

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061219\
 Data File : BF114977.D
 Acq On : 12 Jun 2019 16:24
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 13 02:07:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	277308	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1075260	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	529553	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1049307	20.00	ng	0.00
76) Chrysene-d12	13.77	240	763485	20.00	ng	-0.01
87) Perylene-d12	15.16	264	728046	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	2031320	122.31	ng	0.00
7) Phenol-d6	6.30	99	2496532	124.62	ng	0.00
23) Nitrobenzene-d5	7.22	82	1529925	85.64	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	757763	133.63	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2680368	85.79	ng	0.00
79) Terphenyl-d14	12.74	244	2924858	72.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	36794	4.733	ng	98
3) Pyridine	3.06	79	85736	3.917	ng	99
4) n-Nitrosodimethylamine	2.89	42	33849	4.356	ng	97
6) Aniline	6.31	93	136442	5.086	ng	95
8) 2-Chlorophenol	6.43	128	98746	5.244	ng	98
9) Benzaldehyde	6.19	77	79975	1.050	ng	99
10) Phenol	6.30	94	120051	5.356	ng	97
11) bis(2-Chloroethyl)ether	6.39	93	90606	5.208	ng	98
12) 1,3-Dichlorobenzene	6.59	146	112338	5.107	ng	99
13) 1,4-Dichlorobenzene	6.66	146	115984	5.245	ng	96
14) 1,2-Dichlorobenzene	6.82	146	107474	5.162	ng	99
15) Benzyl Alcohol	6.79	79	97858	6.520	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.93	45	119138	5.117	ng	98
17) 2-Methylphenol	6.91	107	81886	5.213	ng	95
18) Hexachloroethane	7.16	117	37843	4.739	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	66935	5.499	ng	98
20) 3+4-Methylphenols	7.06	107	106407	5.692	ng	94
22) Acetophenone	7.05	105	142747	5.865	ng	# 93
24) Nitrobenzene	7.23	77	105382	5.798	ng	95
25) Isophorone	7.46	82	179042	5.351	ng	96
26) 2-Nitrophenol	7.55	139	52531	5.185	ng	98
27) 2,4-Dimethylphenol	7.59	122	77599	5.310	ng	97
28) bis(2-Chloroethoxy)methane	7.68	93	116401	5.423	ng	97
29) 2,4-Dichlorophenol	7.79	162	84082	5.446	ng	97
30) 1,2,4-Trichlorobenzene	7.87	180	95515	5.354	ng	98
31) Naphthalene	7.95	128	310603	6.105	ng	96
32) Benzoic acid	7.66	122	29089	2.751	ng	95
33) 4-Chloroaniline	8.00	127	125973	5.364	ng	98
34) Hexachlorobutadiene	8.07	225	51685	5.212	ng	99
35) Caprolactam	8.33	113	26083	5.072	ng	97
36) 4-Chloro-3-methylphenol	8.48	107	85482	5.494	ng	95
37) 2-Methylnaphthalene	8.64	142	209969	6.188	ng	97
38) 1-Methylnaphthalene	8.74	142	198577	6.192	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.80	216	89516	5.722	ng	98

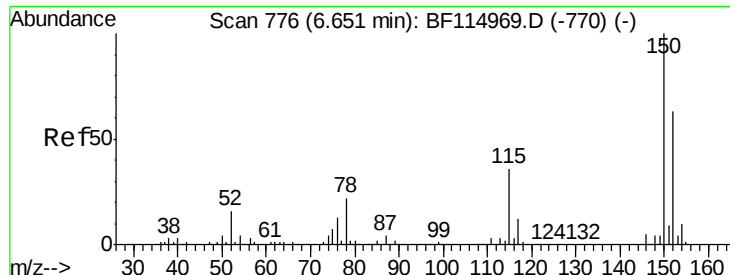
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061219\
 Data File : BF114977.D
 Acq On : 12 Jun 2019 16:24
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	22157	2.874	ng	97
43) 2,4,6-Trichlorophenol	8.92	196	57581	4.928	ng	99
44) 2,4,5-Trichlorophenol	8.96	196	59390	5.029	ng	97
46) 1,1'-Biphenyl	9.10	154	253641	5.977	ng	96
47) 2-Chloronaphthalene	9.12	162	195308	5.692	ng	98
48) 2-Nitroaniline	9.22	65	48812	4.813	ng	99
49) Acenaphthylene	9.53	152	316153	5.992	ng	97
50) Dimethylphthalate	9.40	163	216401	5.434	ng	99
51) 2,6-Dinitrotoluene	9.46	165	47859	5.298	ng	89
52) Acenaphthene	9.70	154	179764	5.955	ng	99
53) 3-Nitroaniline	9.62	138	53187	4.805	ng	98
54) 2,4-Dinitrophenol	9.73	184	10368	2.366	ng	91
55) Dibenzofuran	9.87	168	274231	6.028	ng	97
56) 4-Nitrophenol	9.79	139	31815	4.168	ng	98
57) 2,4-Dinitrotoluene	9.86	165	63125	5.490	ng	98
58) Fluorene	10.22	166	211567	Below Cal		99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	50935	5.340	ng	99
60) Diethylphthalate	10.10	149	212833	5.589	ng	97
61) 4-Chlorophenyl-phenylether	10.22	204	100432	Below Cal		92
62) 4-Nitroaniline	10.23	138	53951	4.848	ng	94
63) Azobenzene	10.37	77	193980	5.823	ng	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	22408	3.810	ng	88
66) n-Nitrosodiphenylamine	10.33	169	182287	5.812	ng	98
67) 4-Bromophenyl-phenylether	10.70	248	60745	5.392	ng	93
68) Hexachlorobenzene	10.77	284	67360	5.431	ng	# 91
69) Atrazine	10.86	200	54999	5.439	ng	96
70) Pentachlorophenol	10.96	266	26532	3.939	ng	98
71) Phenanthrene	11.17	178	323633	5.974	ng	97
72) Anthracene	11.22	178	323198	5.913	ng	97
73) Carbazole	11.37	167	291288	6.106	ng	96
74) Di-n-butylphthalate	11.72	149	334680	5.565	ng	97
75) Fluoranthene	12.35	202	330035	5.957	ng	98
77) Benzidine	12.47	184	123184	3.989	ng	98
78) Pyrene	12.57	202	338648	4.869	ng	97
80) Butylbenzylphthalate	13.20	149	136610	4.205	ng	94
81) Benzo(a)anthracene	13.76	228	294173	5.149	ng	97
82) 3,3'-Dichlorobenzidine	13.73	252	100039	4.567	ng	96
83) Chrysene	13.79	228	283919	4.997	ng	97
84) Bis(2-ethylhexyl)phthalate	13.77	149	181396	4.724	ng	99
85) Di-n-octyl phthalate	14.39	149	321208	4.858	ng	100
86) Indeno(1,2,3-cd)pyrene	16.46	276	219744	4.403	ng	99
88) Benzo(b)fluoranthene	14.77	252	250544	5.177	ng	99
89) Benzo(k)fluoranthene	14.77	252	250544	5.898	ng	99
90) Benzo(a)pyrene	15.10	252	230646	5.523	ng	99
91) Dibenzo(a,h)anthracene	16.47	278	185444	5.156	ng	98
92) Benzo(g,h,i)perylene	16.84	276	179267	4.887	ng	99

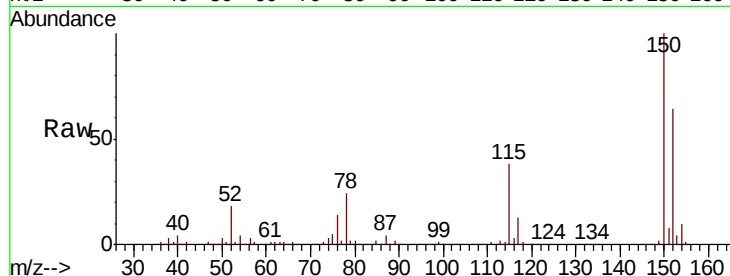
(#) = qualifier out of range (m) = manual integration (+) = signals summed



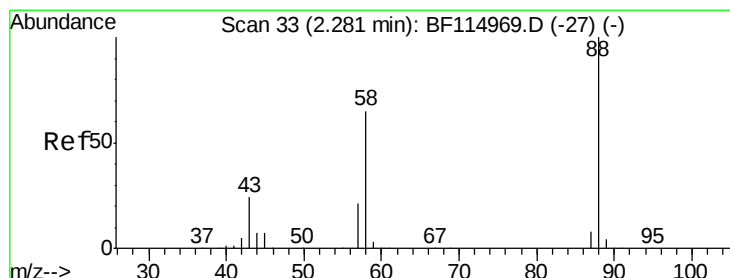
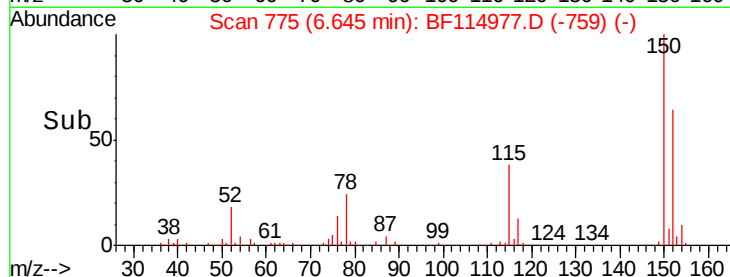
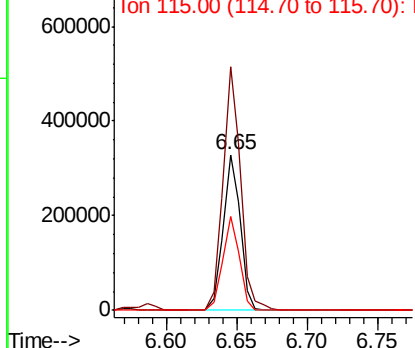
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 152 Resp: 277308
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.4 191.0
 115 59.9 46.0 69.0

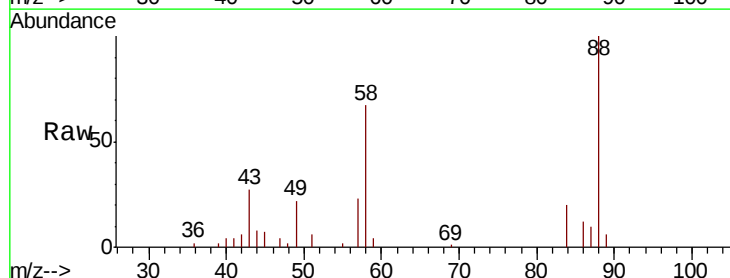


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

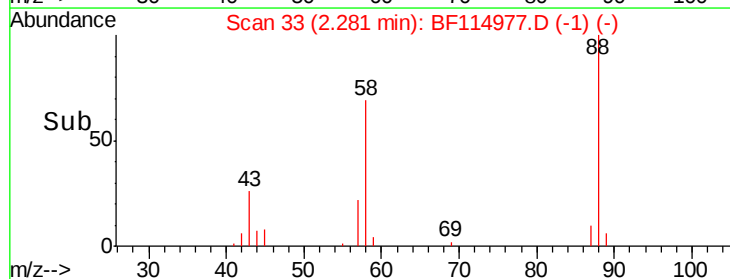
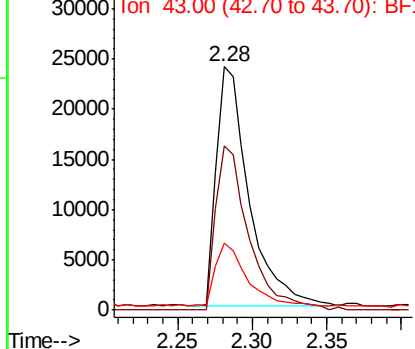


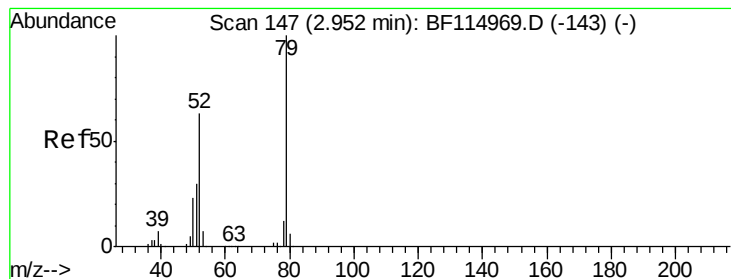
#2
 1,4-Dioxane
 Concen: 4.733 ng
 RT: 2.28 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 88 Resp: 36794
 Ion Ratio Lower Upper
 88 100
 58 68.8 53.4 80.2
 43 24.9 19.7 29.5



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 3.917 ng

RT: 3.06 min Scan# 166

Delta R.T. 0.11 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

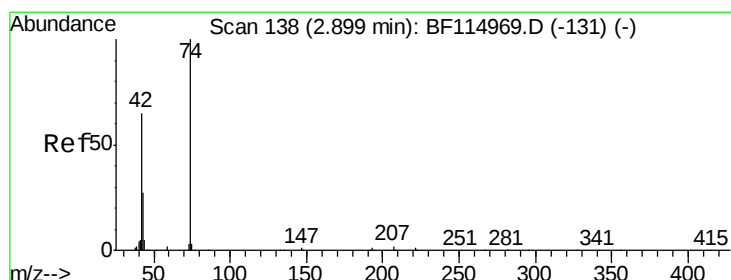
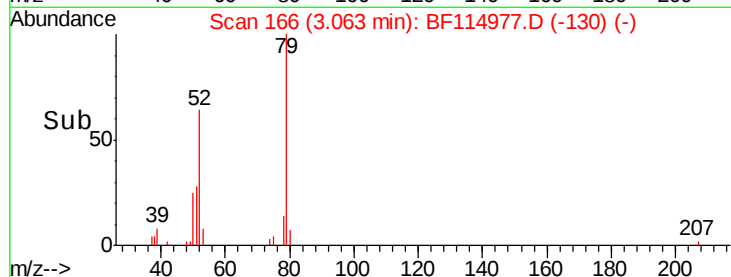
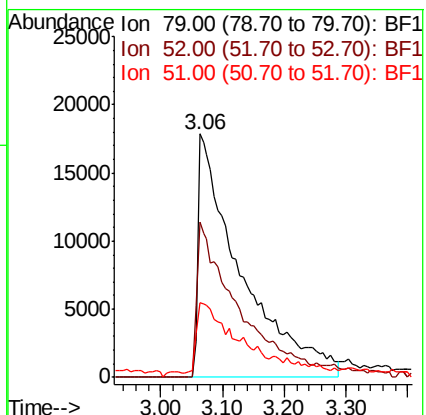
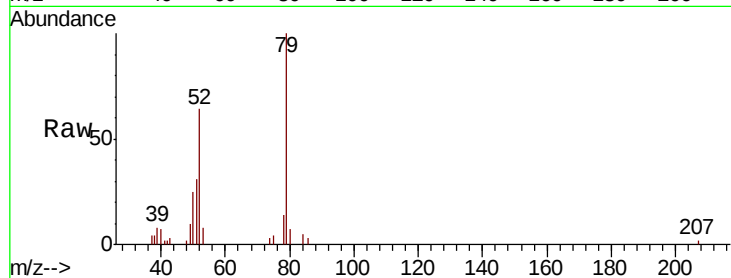
Tgt Ion: 79 Resp: 85736

Ion Ratio Lower Upper

79 100

52 63.5 50.3 75.5

51 30.9 24.4 36.6



#4

n-Nitrosodimethylamine

Concen: 4.356 ng

RT: 2.89 min Scan# 136

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

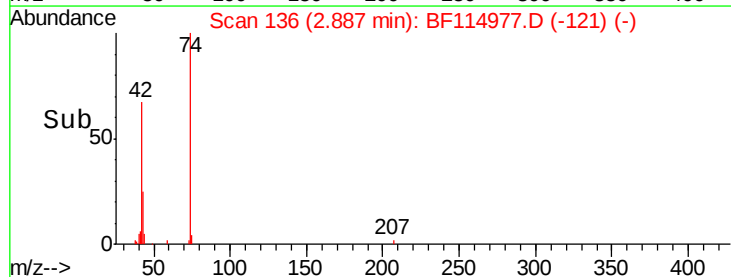
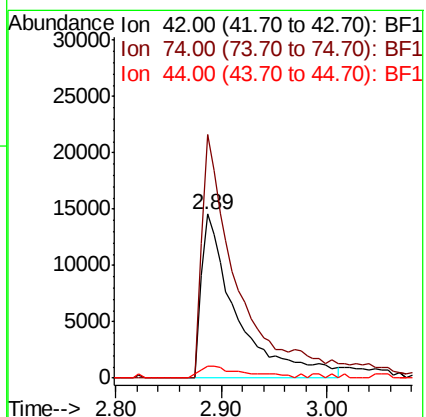
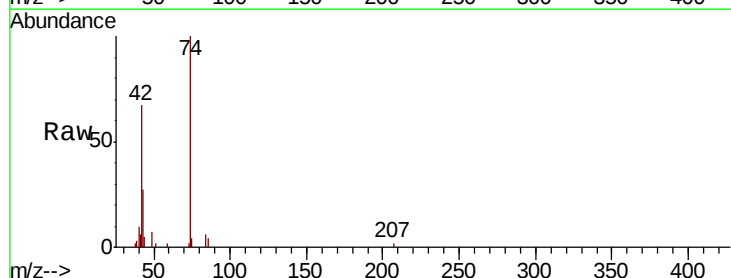
Tgt Ion: 42 Resp: 33849

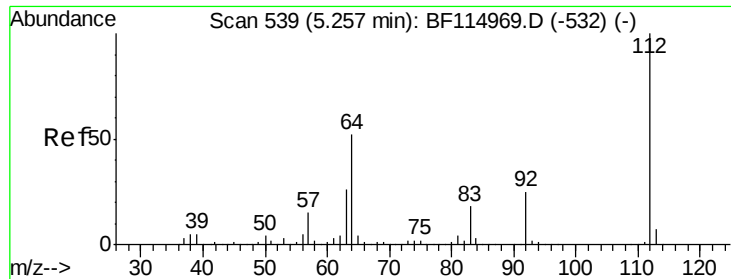
Ion Ratio Lower Upper

42 100

74 148.4 122.2 183.2

44 7.6 5.8 8.8





#5

2-Fluorophenol

Concen: 122.314 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

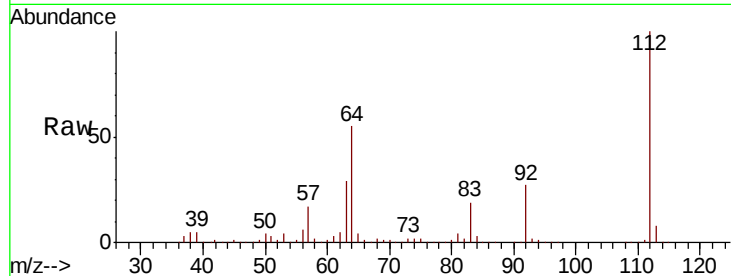
Tgt Ion: 112 Resp: 2031320

Ion Ratio Lower Upper

112 100

64 55.3 41.6 62.4

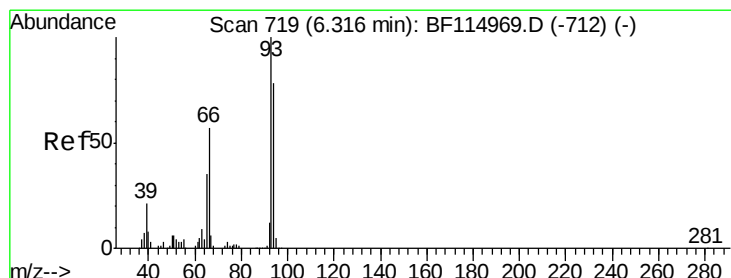
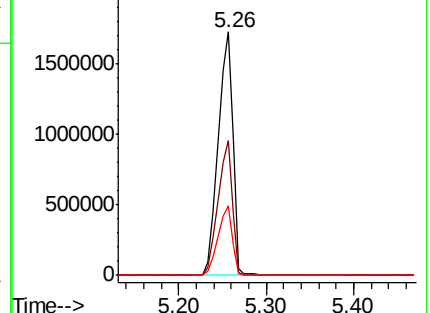
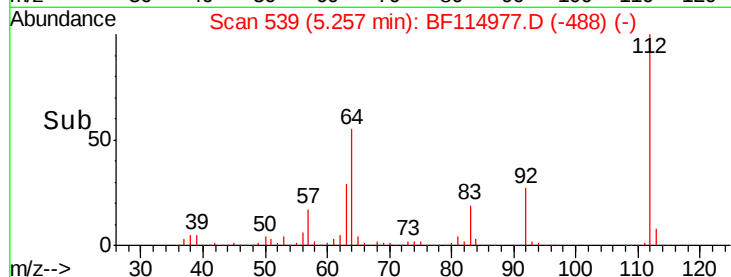
63 28.7 20.9 31.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 5.086 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

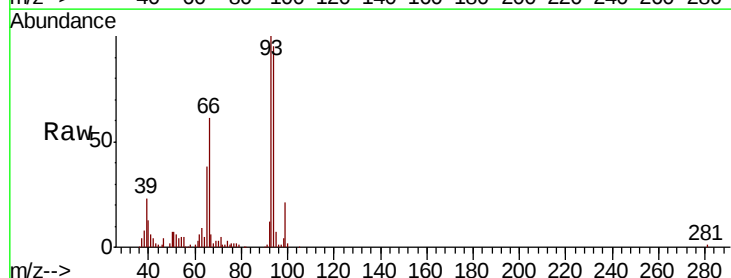
Tgt Ion: 93 Resp: 136442

Ion Ratio Lower Upper

93 100

66 61.1 46.2 69.2

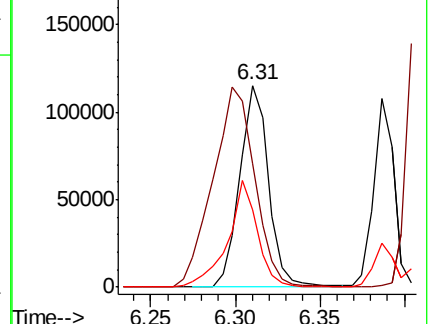
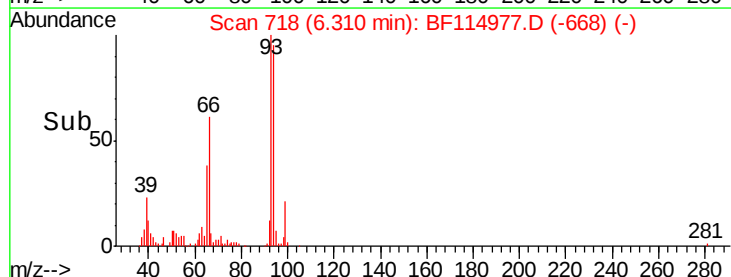
65 38.0 27.7 41.5

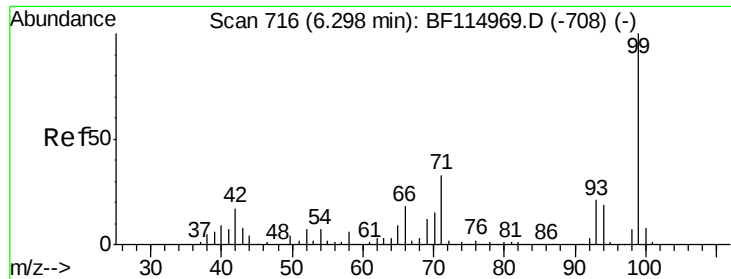


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 124.619 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF114977.D

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LOD-MDL-SOIL-01-QT2-2019

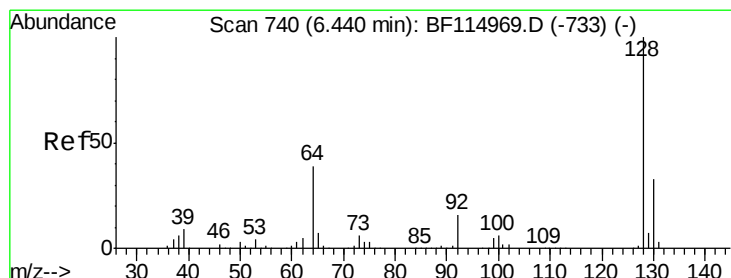
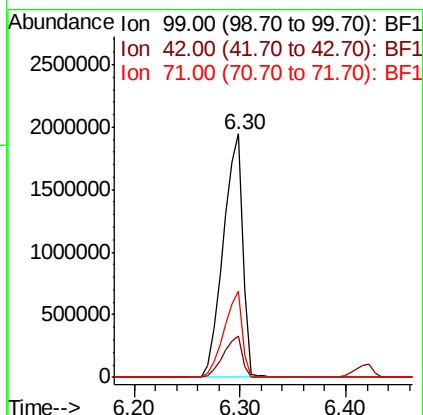
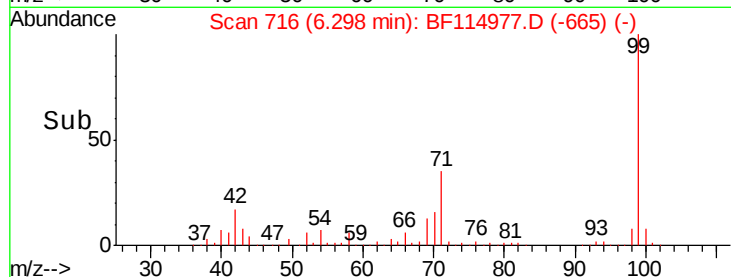
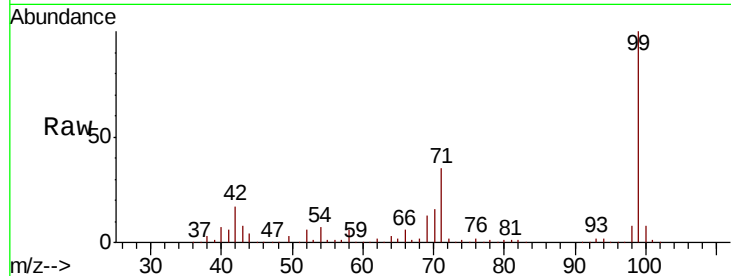
Tgt Ion: 99 Resp: 2496532

Ion Ratio Lower Upper

99 100

42 16.8 13.4 20.2

71 35.3 26.4 39.6



#8

2-Chlorophenol

Concen: 5.244 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

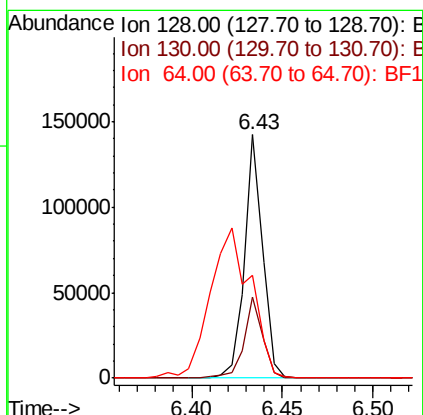
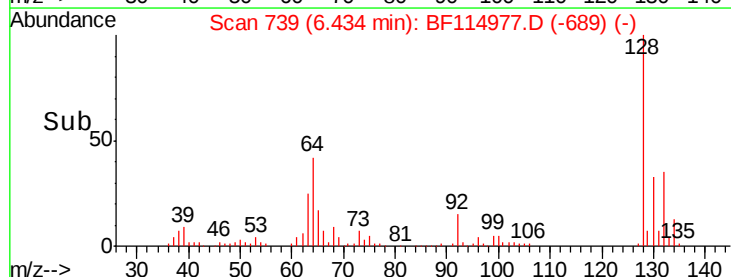
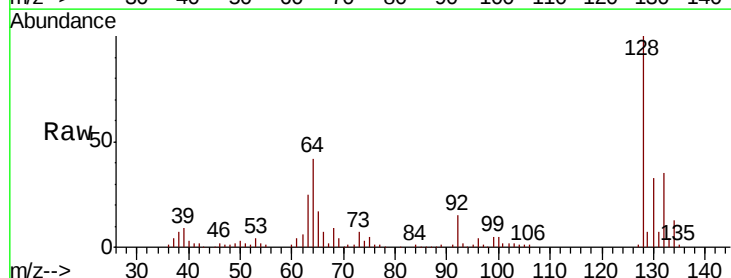
Tgt Ion: 128 Resp: 98746

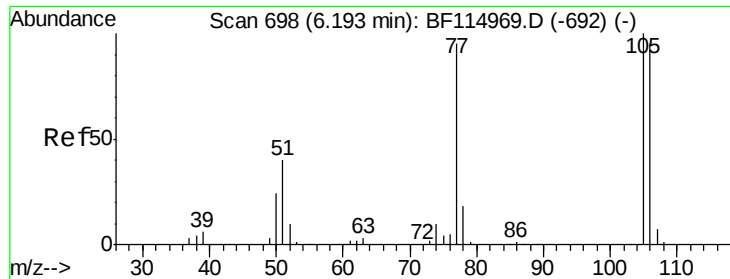
Ion Ratio Lower Upper

128 100

130 33.1 13.4 53.4

64 42.1 20.1 60.1





#9

Benzaldehyde

Concen: 1.050 ng

RT: 6.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

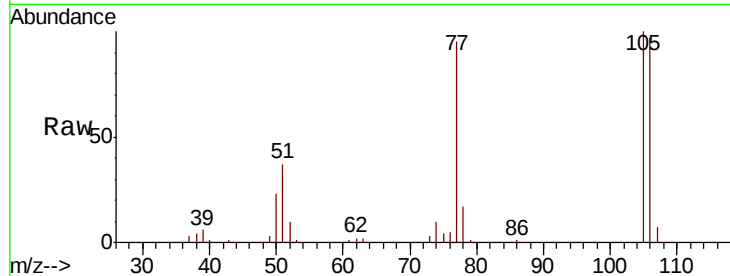
Tgt Ion: 77 Resp: 79975

Ion Ratio Lower Upper

77 100

105 105.7 85.1 125.1

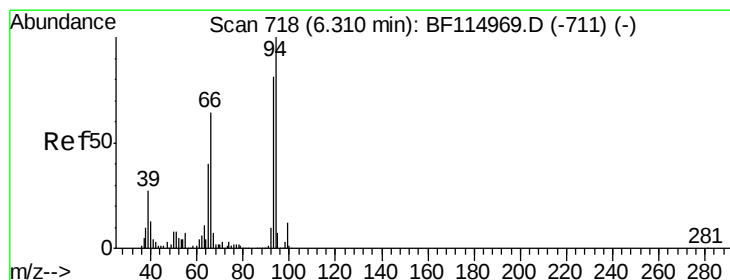
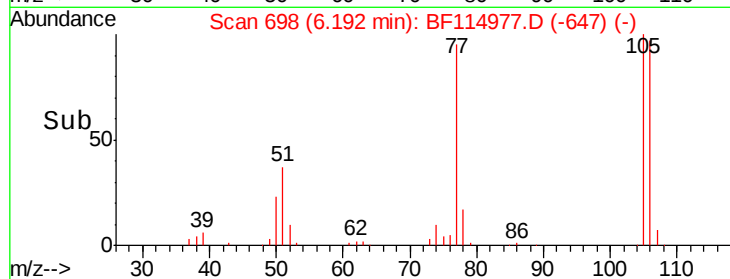
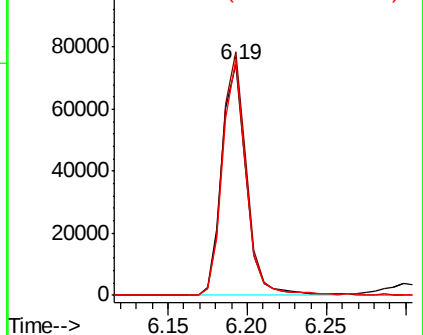
106 102.3 80.0 120.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 5.356 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

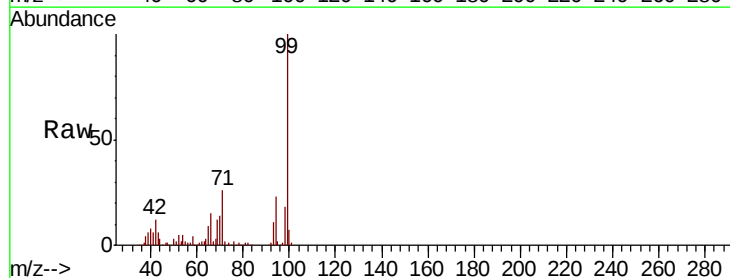
Tgt Ion: 94 Resp: 120051

Ion Ratio Lower Upper

94 100

65 38.7 20.0 60.0

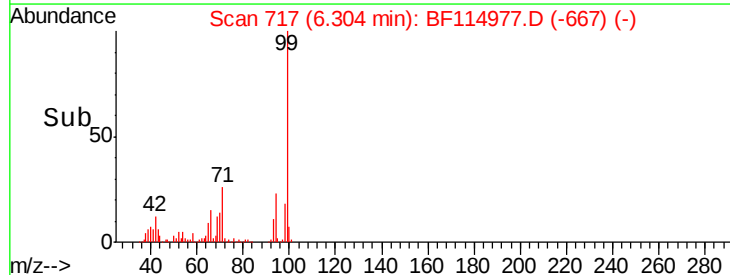
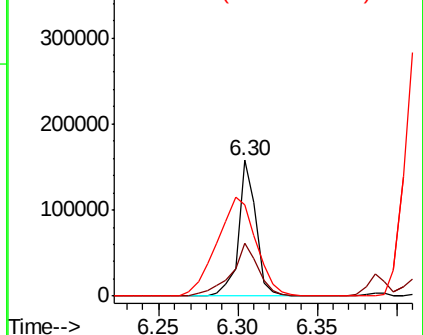
66 67.4 44.1 84.1

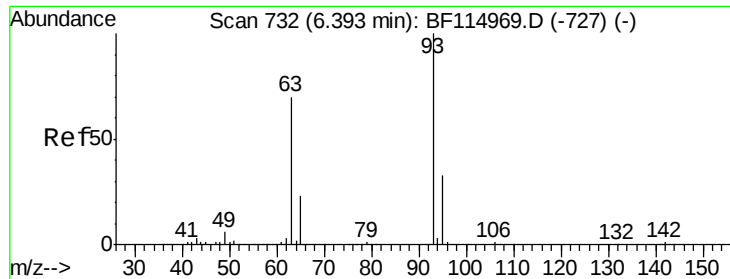


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 5.208 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

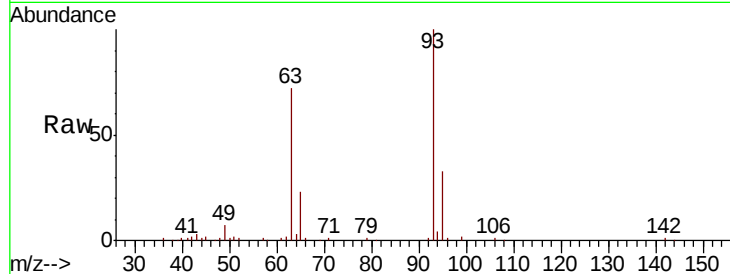
Instrument :

BNA_F

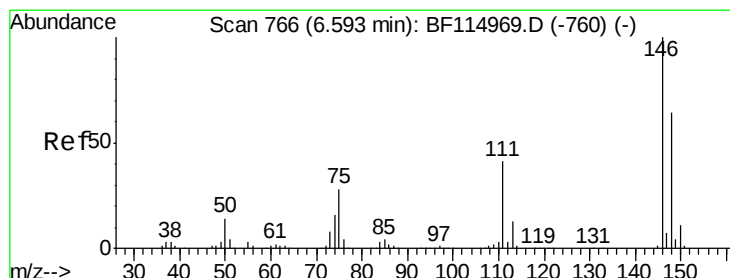
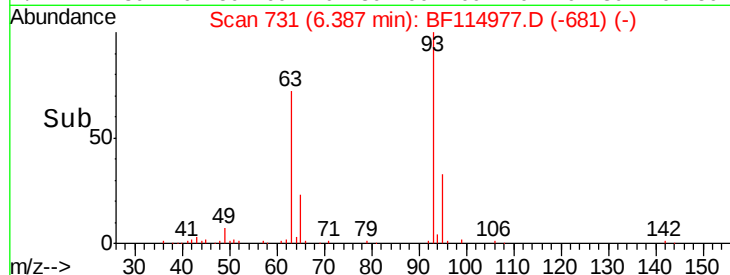
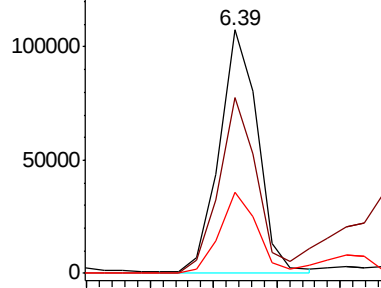
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	93	Resp:	90606
Ion	Ratio	Lower	Upper
93	100		
63	72.0	49.8	89.8
95	33.0	13.3	53.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 5.107 ng

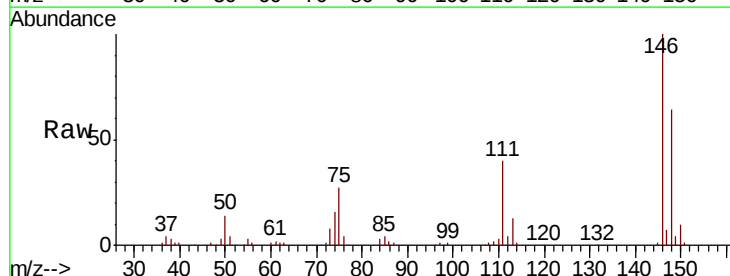
RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

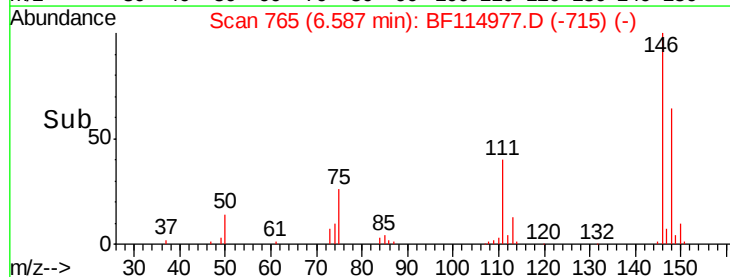
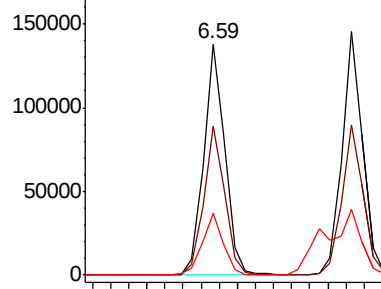
Lab File: BF114977.D

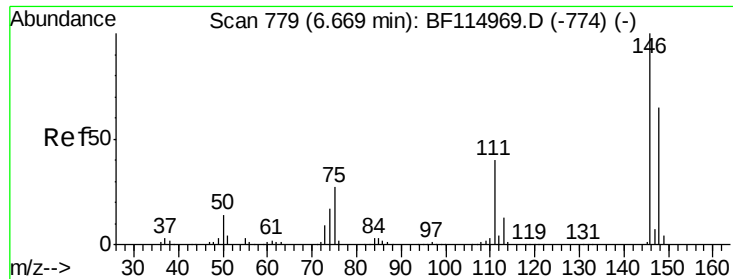
Acq: 12 Jun 2019 16:24

Tgt Ion:	146	Resp:	112338
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	26.9	22.3	33.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

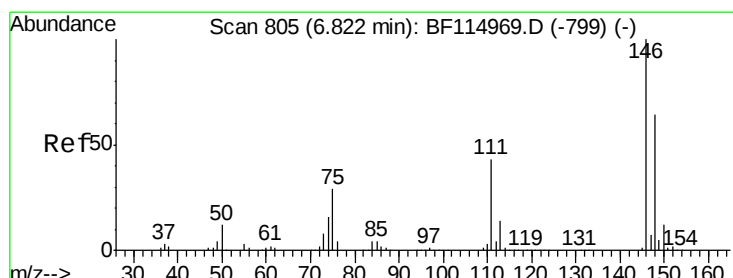
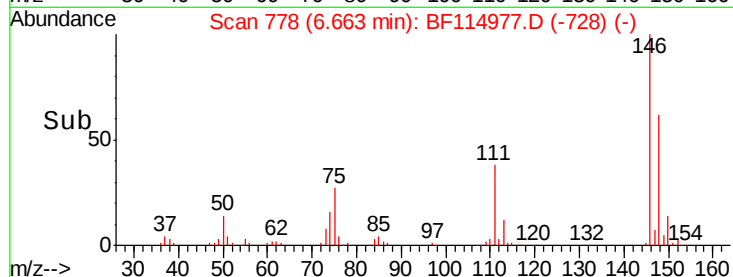
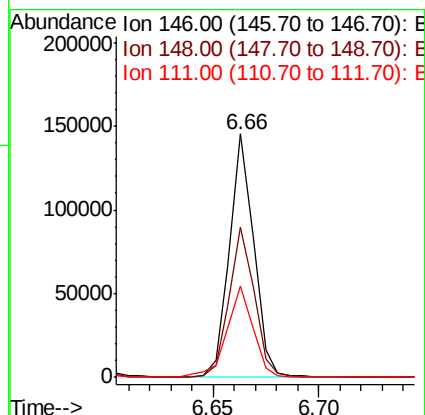
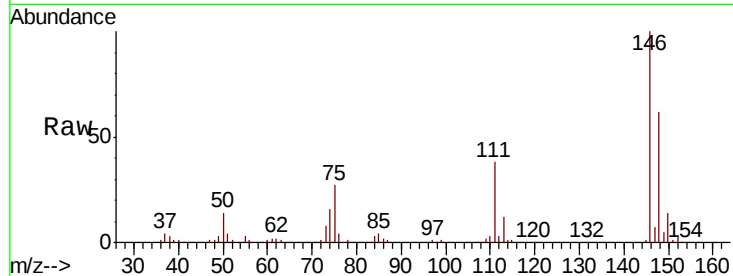




#13
 1,4-Dichlorobenzene
 Concen: 5.245 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

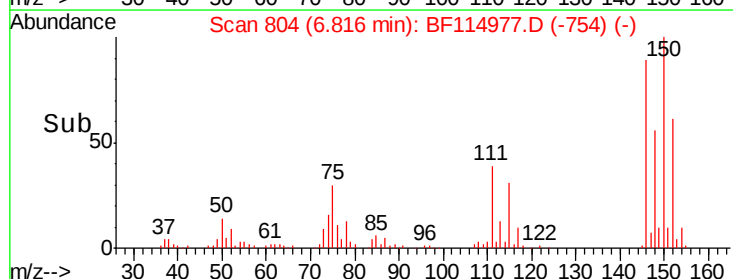
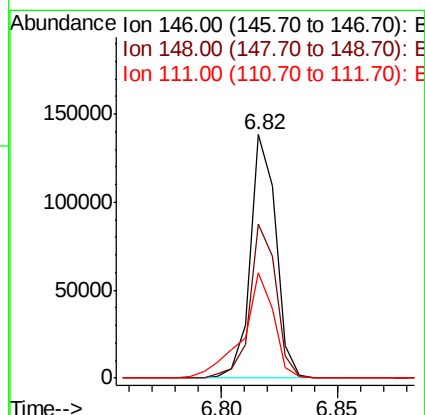
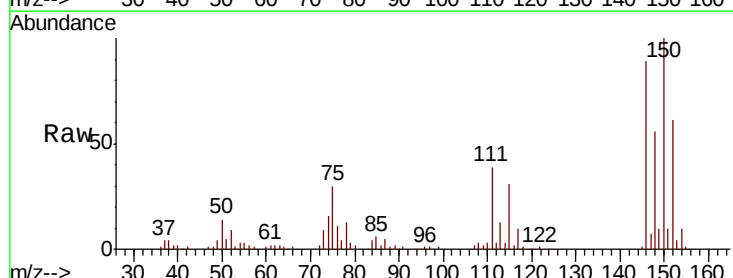
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

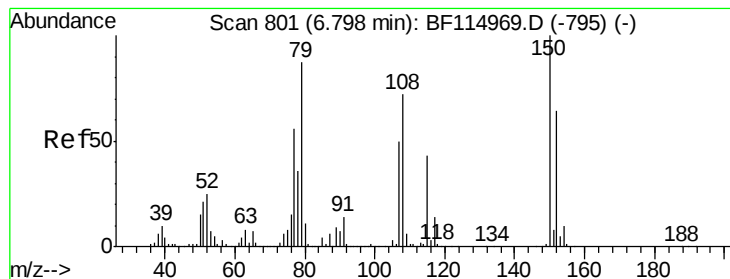
Tgt Ion:146 Resp: 115984
 Ion Ratio Lower Upper
 146 100
 148 61.8 52.2 78.2
 111 37.6 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 5.162 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:146 Resp: 107474
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.5 77.3
 111 43.2 34.6 51.8





#15

Benzyl Alcohol

Concen: 6.520 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

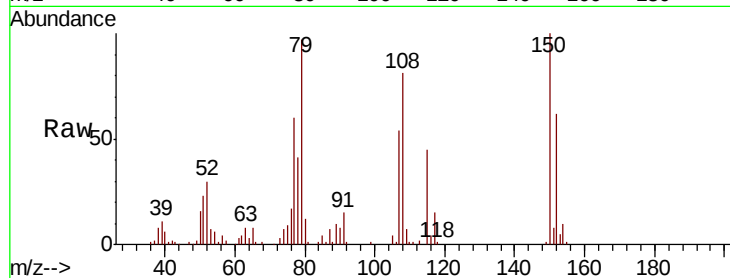
Tgt Ion: 79 Resp: 97858

Ion Ratio Lower Upper

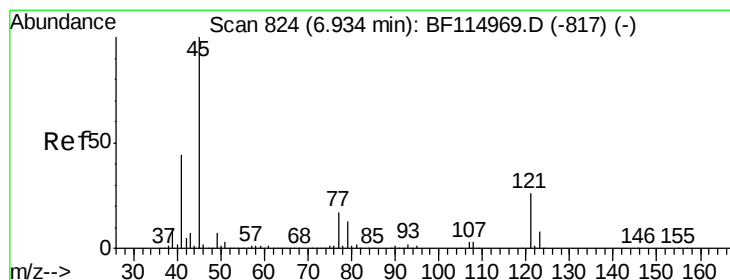
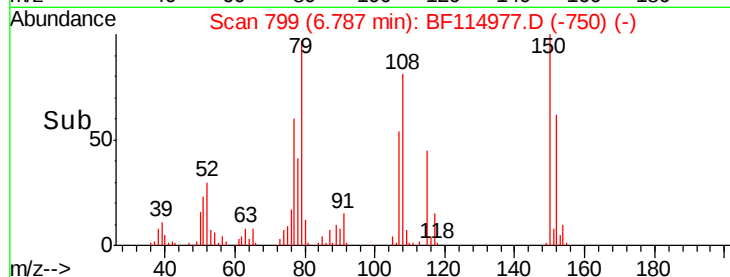
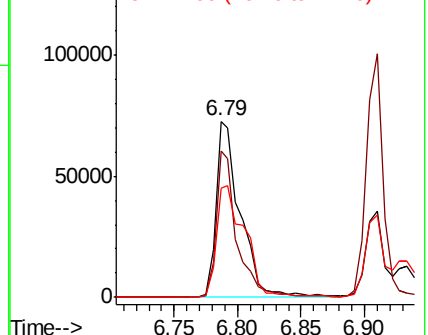
79 100

108 83.0 66.0 99.0

77 61.7 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.117 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

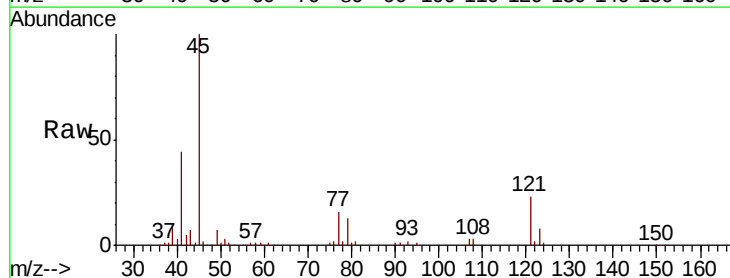
Tgt Ion: 45 Resp: 119138

Ion Ratio Lower Upper

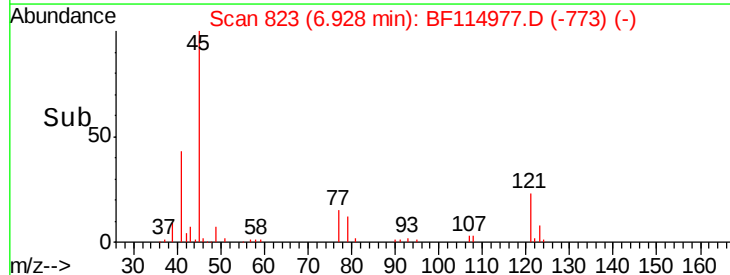
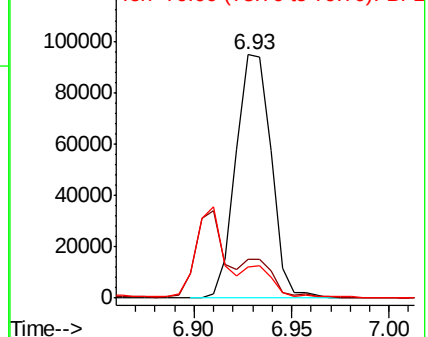
45 100

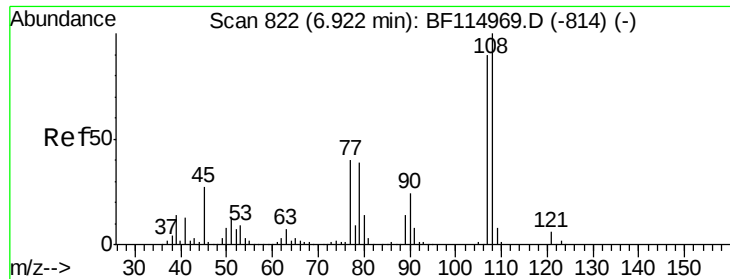
77 15.7 0.0 37.0

79 12.7 0.0 33.1



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 5.213 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:107 Resp: 81886

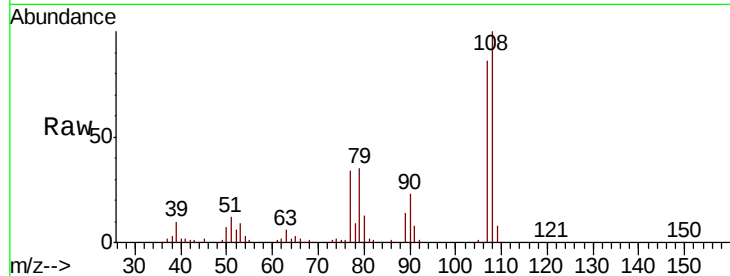
Ion Ratio Lower Upper

107 100

108 115.9 89.3 133.9

77 39.4 35.4 53.2

79 40.8 34.9 52.3

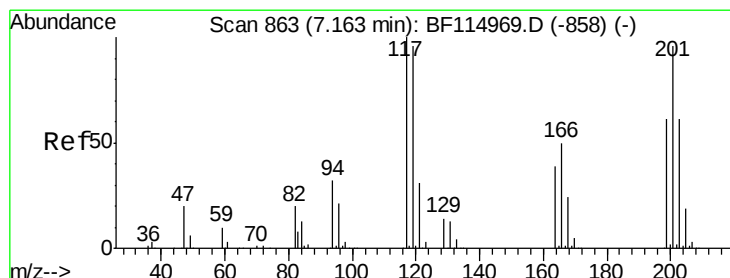
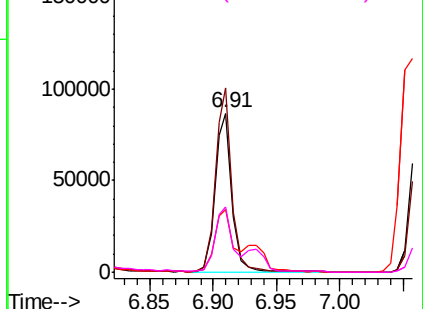
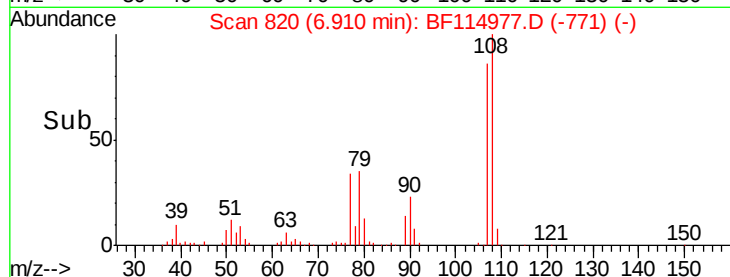


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 4.739 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

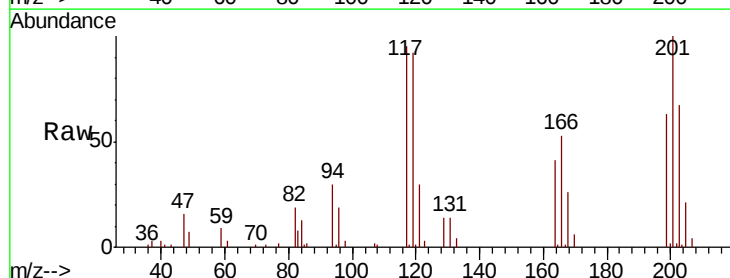
Tgt Ion:117 Resp: 37843

Ion Ratio Lower Upper

117 100

119 96.0 77.0 115.4

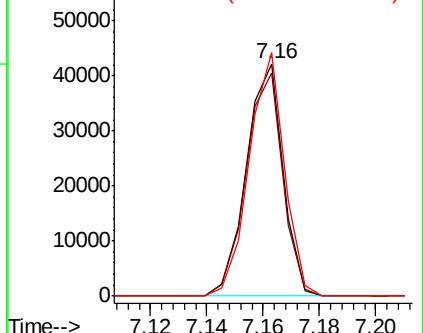
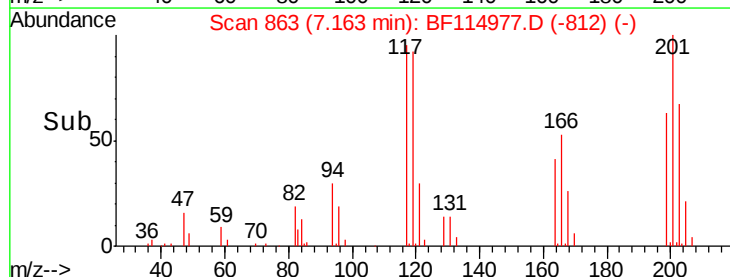
201 104.8 76.6 115.0

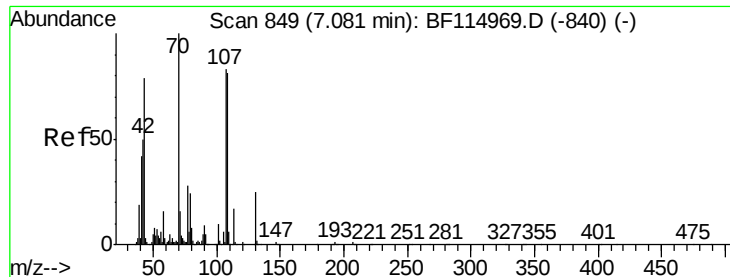


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

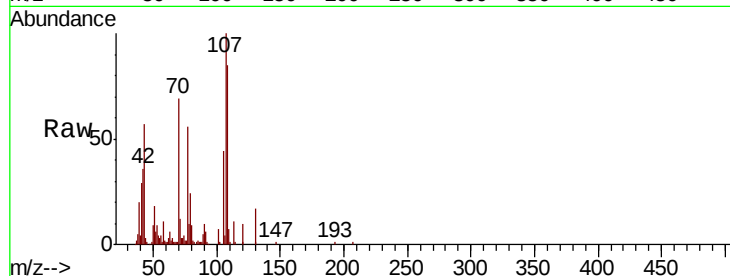




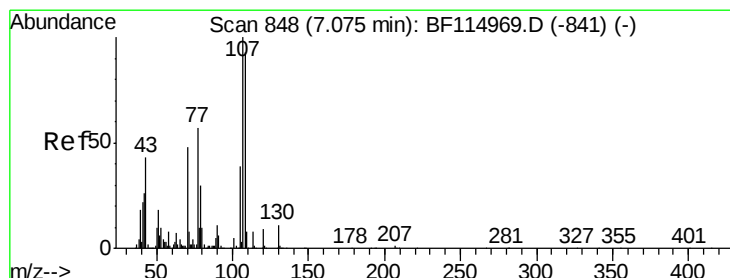
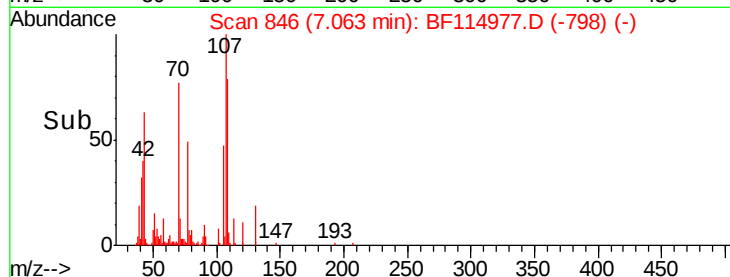
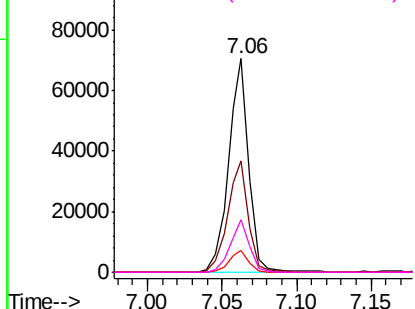
#19
n-Nitroso-di-n-propylamine
Concen: 5.499 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	70	Resp:	66935
Ion	Ratio	Lower	Upper
70	100		
42	52.2	40.3	60.5
101	10.2	8.2	12.4
130	24.7	20.3	30.5

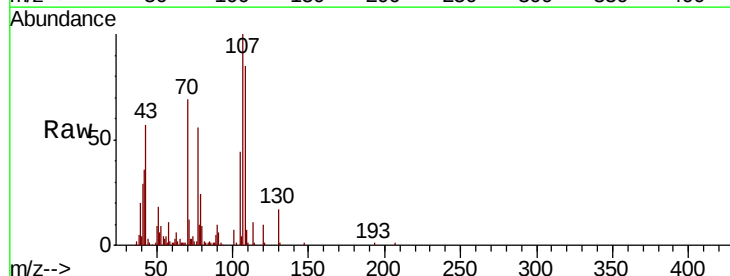


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

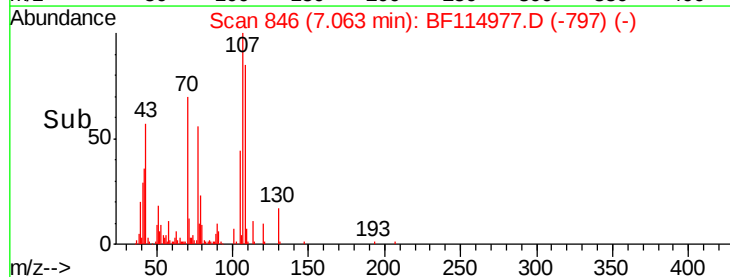
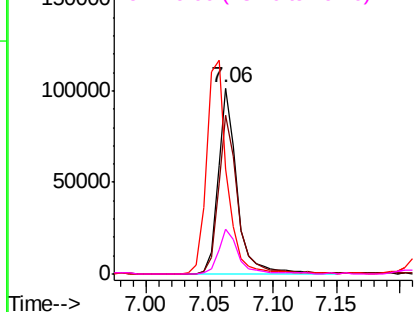


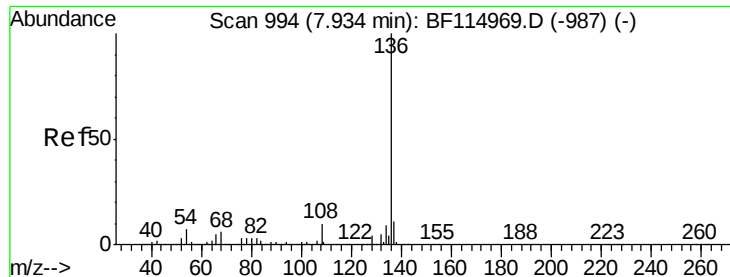
#20
3+4-Methylphenols
Concen: 5.692 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	107	Resp:	106407
Ion	Ratio	Lower	Upper
107	100		
108	85.4	73.1	113.1
77	56.4	37.3	77.3
79	23.9	9.6	49.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

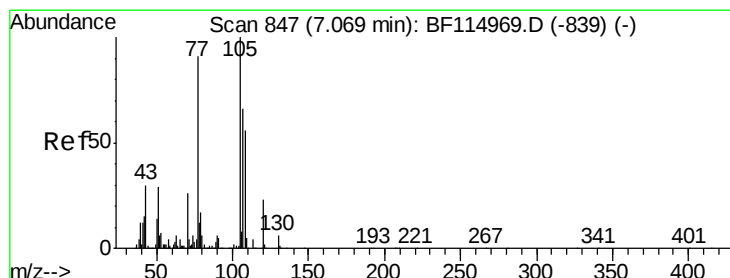
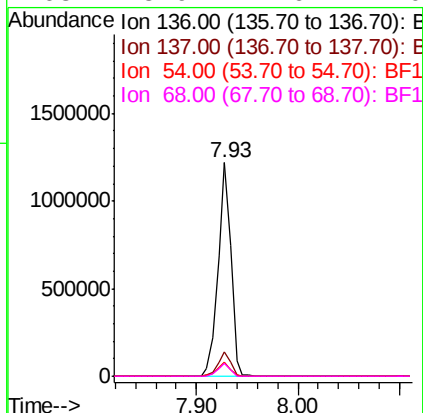
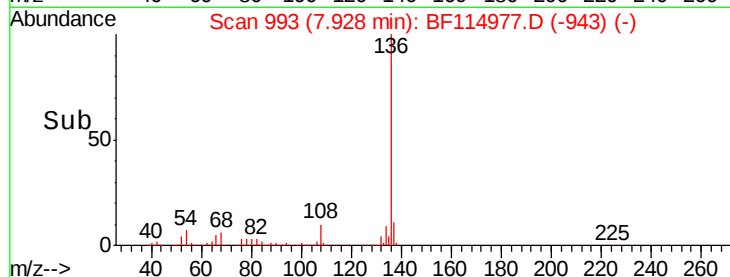
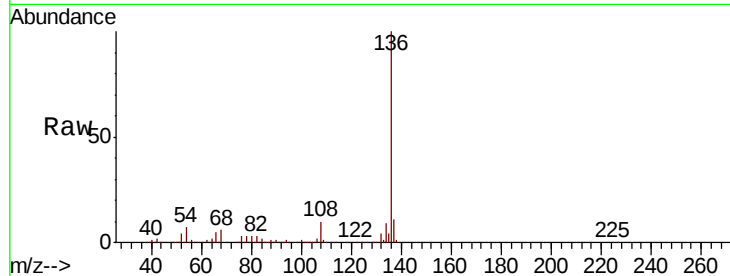




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

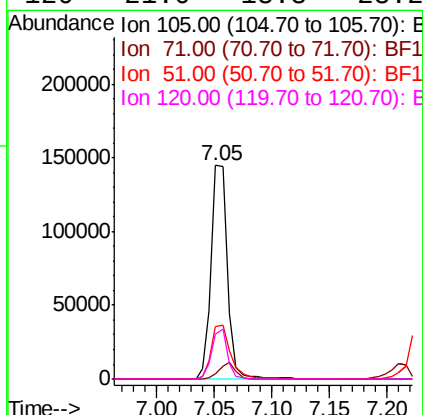
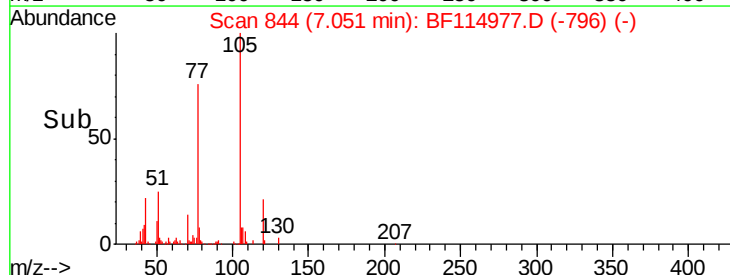
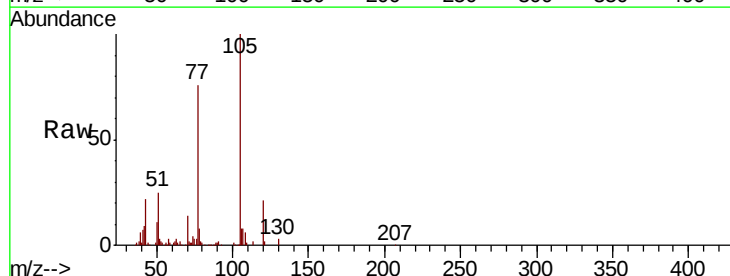
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

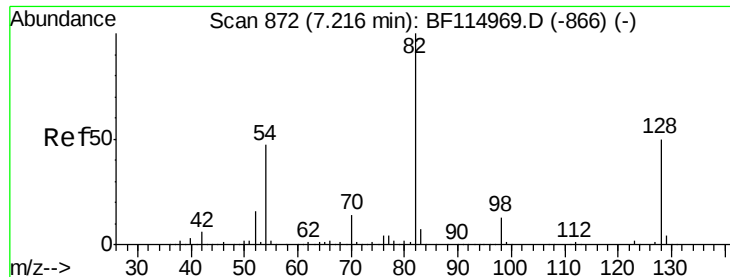
Tgt Ion:	136	Resp:	1075260
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.8	5.4	8.0
68	5.9	4.6	7.0



#22
Acetophenone
Concen: 5.865 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	105	Resp:	142747
Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.4	5.2#
51	24.5	23.3	34.9
120	21.0	18.8	28.2

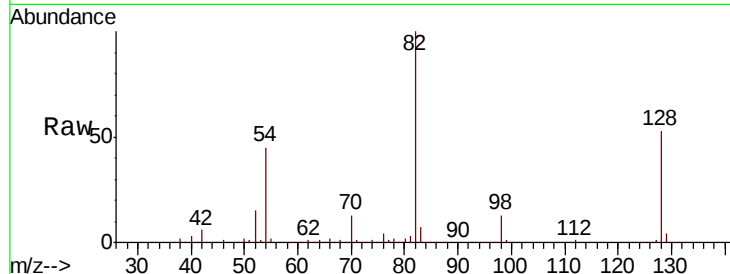




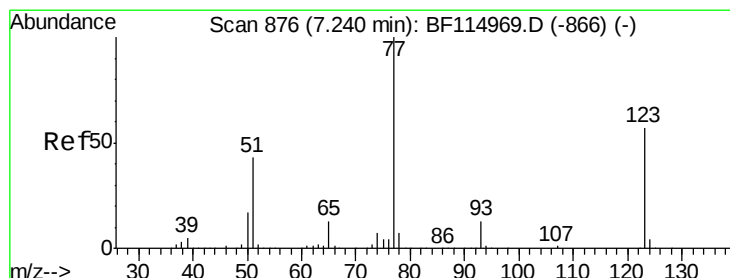
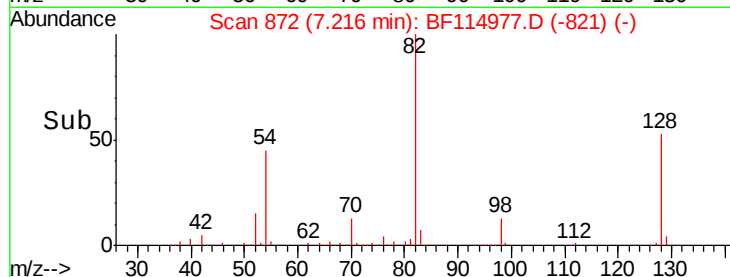
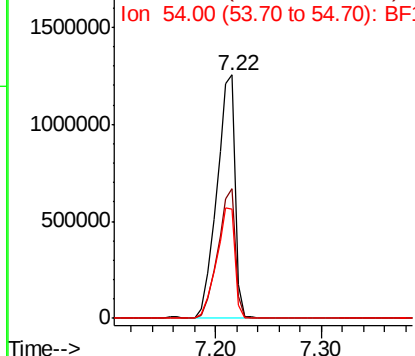
#23
 Nitrobenzene-d5
 Concen: 85.644 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 82 Resp: 1529925
 Ion Ratio Lower Upper
 82 100
 128 53.5 39.9 59.9
 54 45.1 37.3 55.9

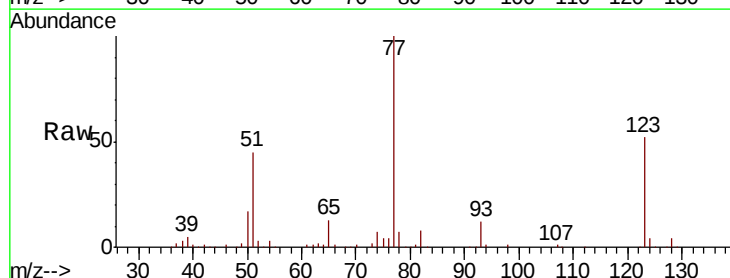


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

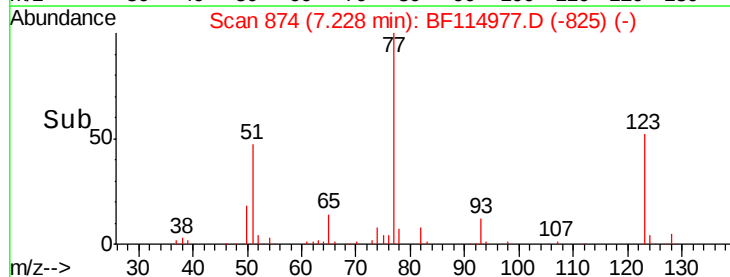
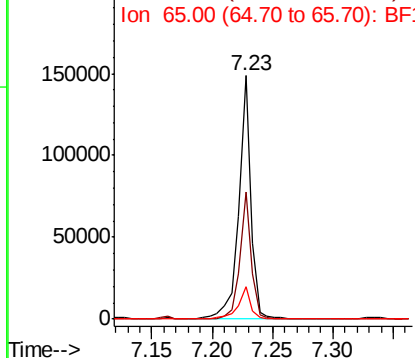


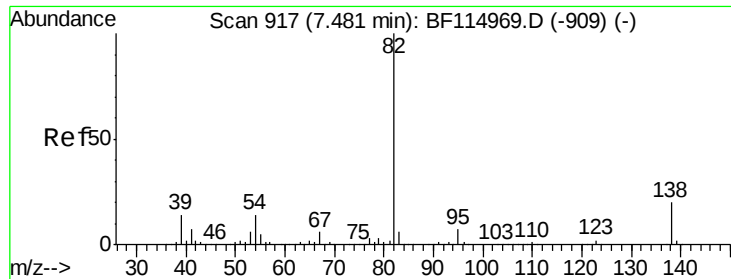
#24
 Nitrobenzene
 Concen: 5.798 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 77 Resp: 105382
 Ion Ratio Lower Upper
 77 100
 123 52.3 45.5 68.3
 65 13.1 10.3 15.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 5.351 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

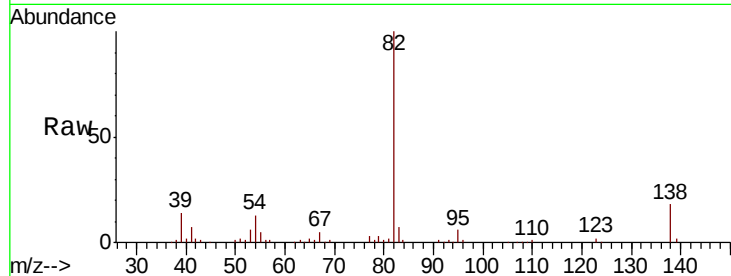
Tgt Ion: 82 Resp: 179042

Ion Ratio Lower Upper

82 100

95 6.5 5.6 8.4

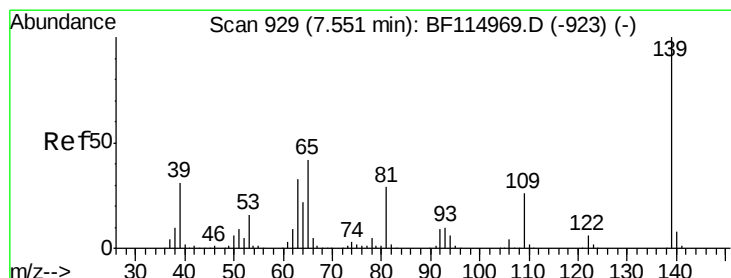
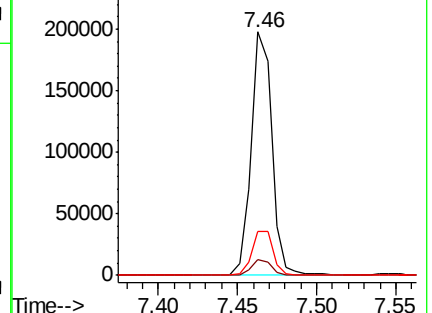
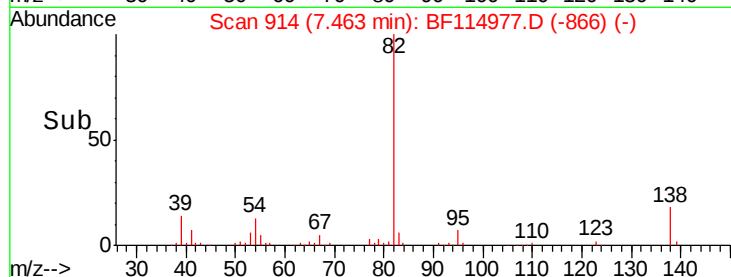
138 17.9 16.1 24.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 5.185 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

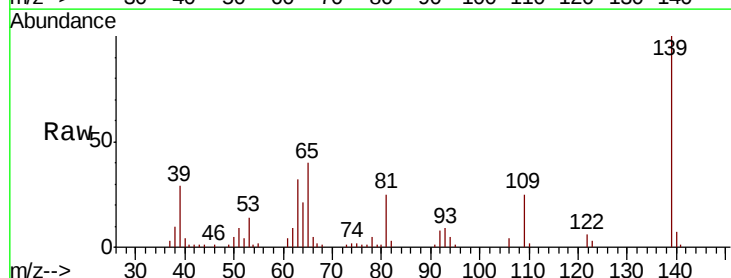
Tgt Ion: 139 Resp: 52531

Ion Ratio Lower Upper

139 100

109 25.1 20.8 31.2

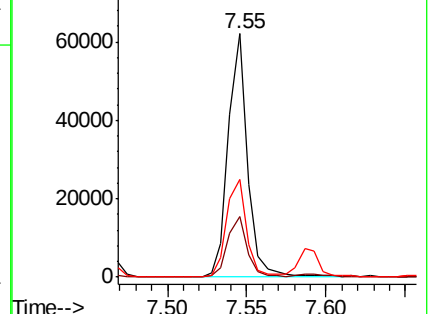
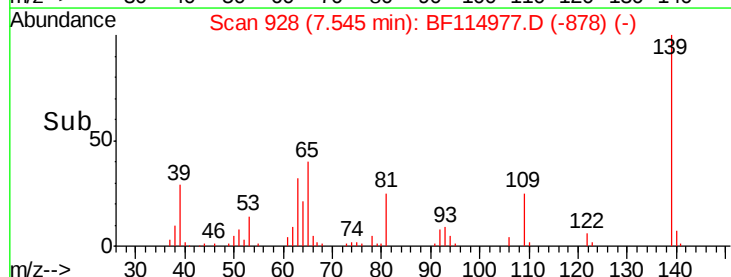
65 40.1 33.4 50.2

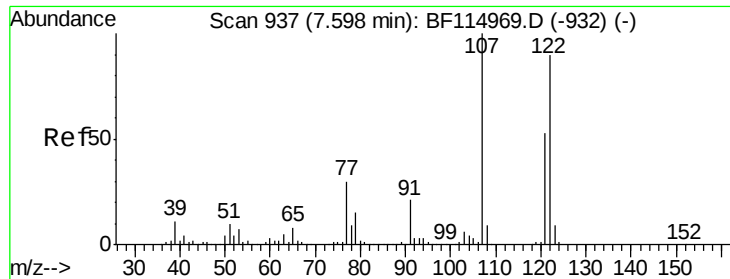


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

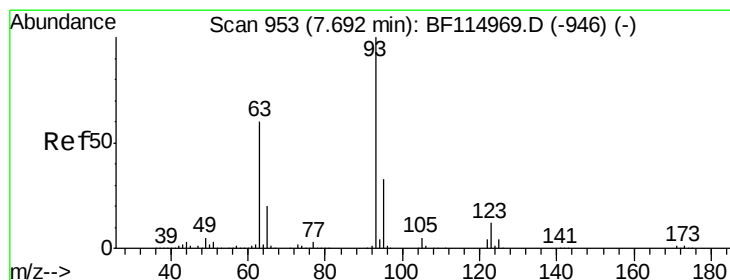
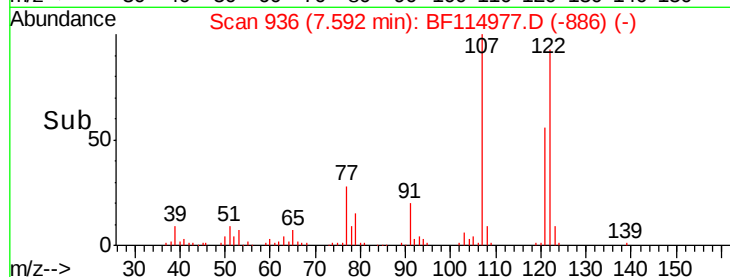
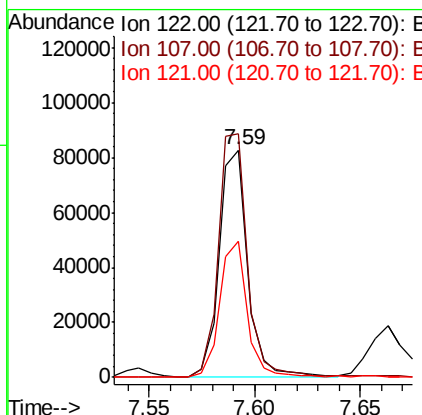
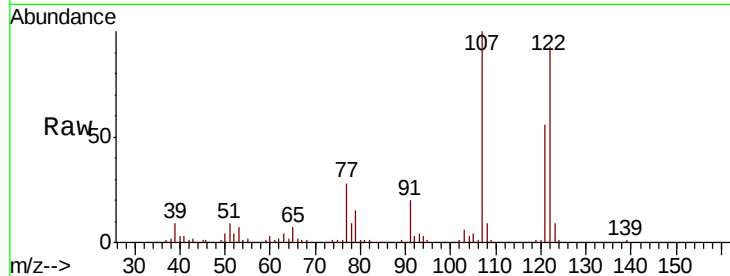




#27
 2,4-Dimethylphenol
 Concen: 5.310 ng
 RT: 7.59 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

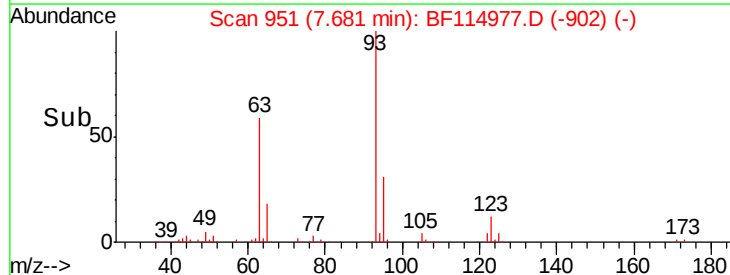
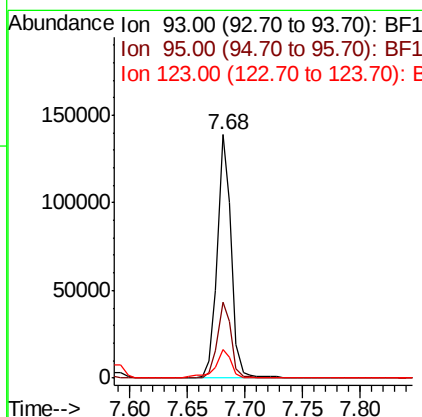
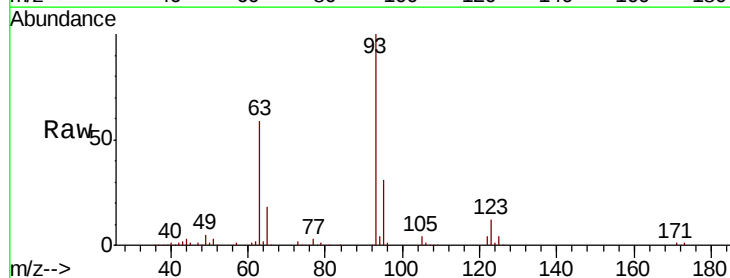
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

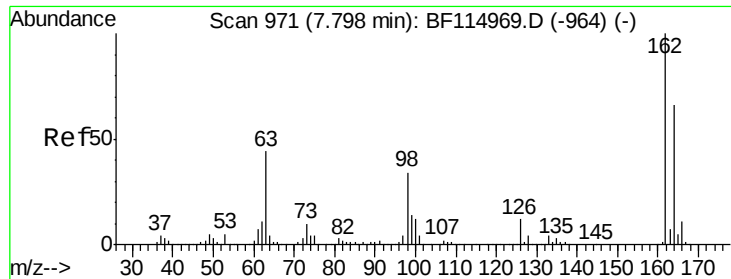
Tgt Ion:122 Resp: 77599
 Ion Ratio Lower Upper
 122 100
 107 107.0 88.8 133.2
 121 60.0 47.4 71.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.423 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 93 Resp: 116401
 Ion Ratio Lower Upper
 93 100
 95 31.3 26.6 40.0
 123 11.6 9.9 14.9

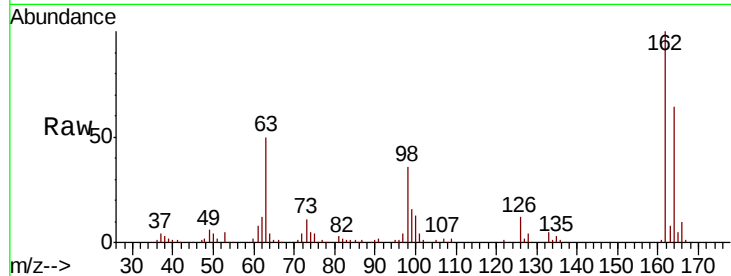




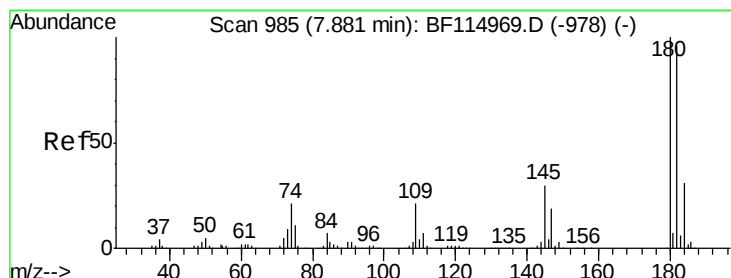
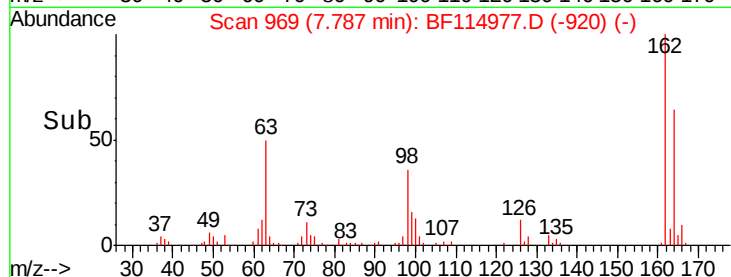
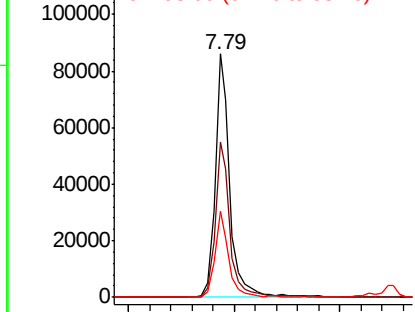
#29
2,4-Dichlorophenol
Concen: 5.446 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:162 Resp: 84082
Ion Ratio Lower Upper
162 100
164 63.8 45.7 85.7
98 35.6 14.0 54.0

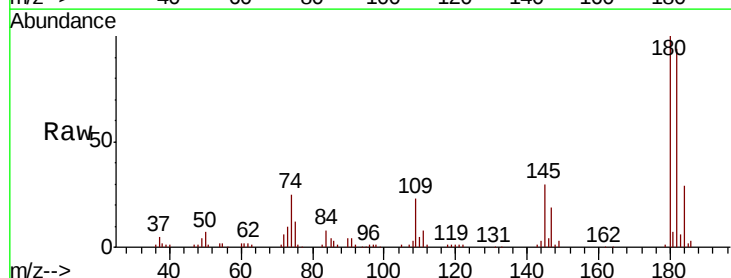


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

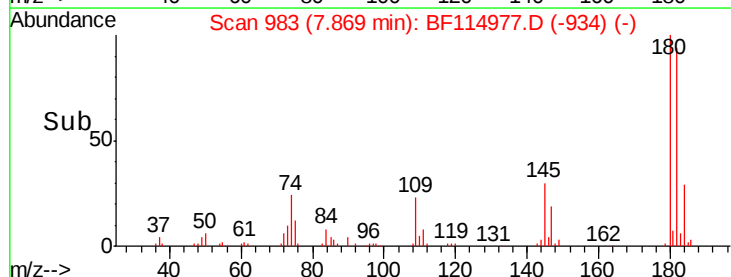
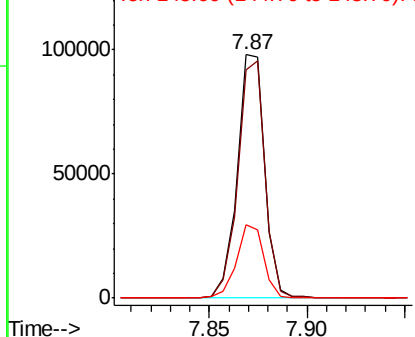


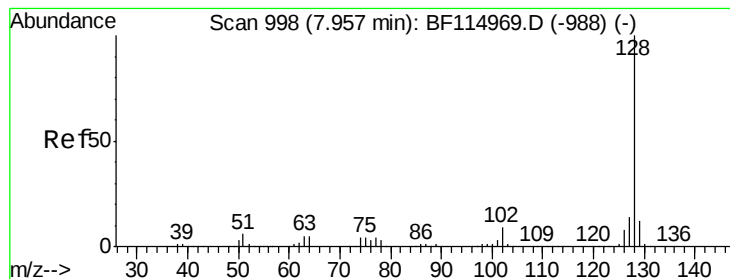
#30
1,2,4-Trichlorobenzene
Concen: 5.354 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:180 Resp: 95515
Ion Ratio Lower Upper
180 100
182 94.0 76.7 115.1
145 30.3 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 6.105 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

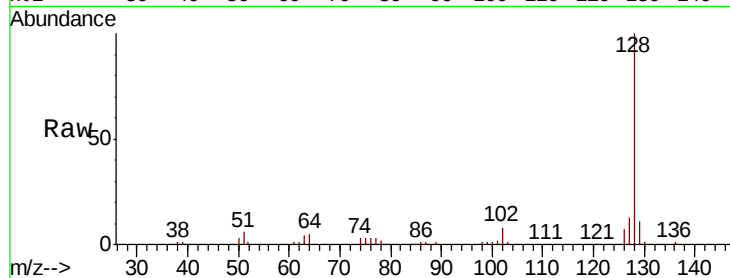
Tgt Ion:128 Resp: 310603

Ion Ratio Lower Upper

128 100

129 10.6 9.5 14.3

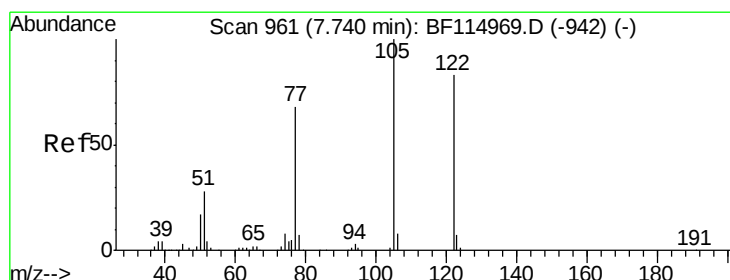
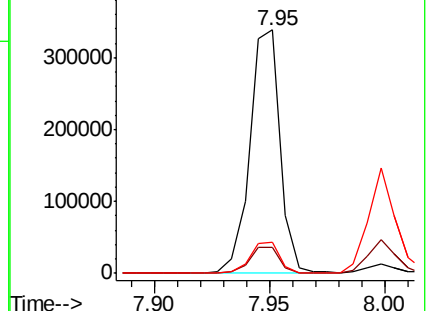
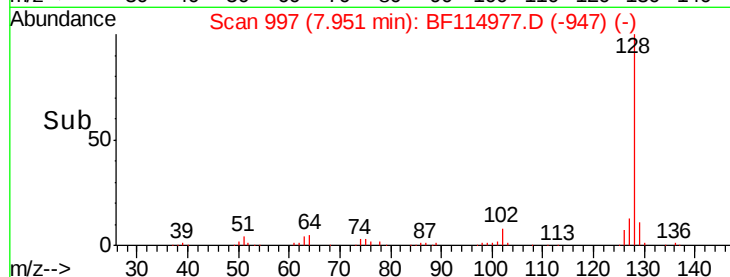
127 12.7 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.751 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.08 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

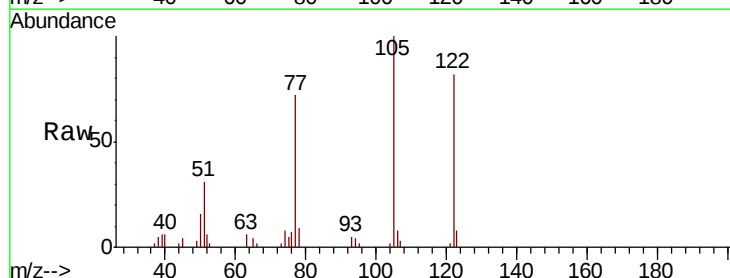
Tgt Ion:122 Resp: 29089

Ion Ratio Lower Upper

122 100

105 121.5 98.6 138.6

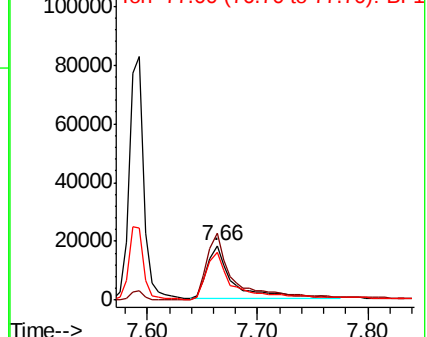
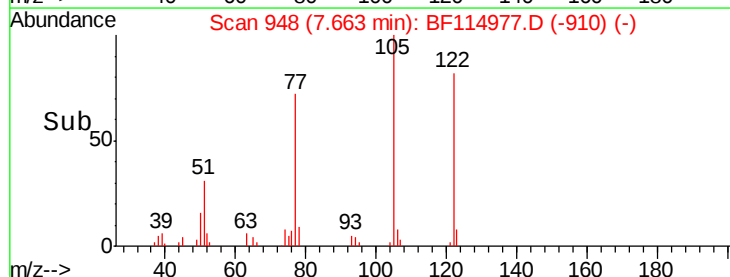
77 87.9 60.9 100.9

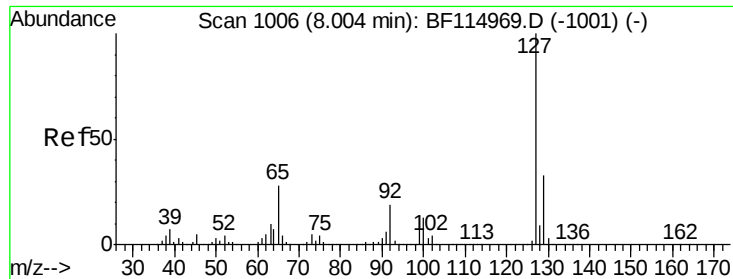


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

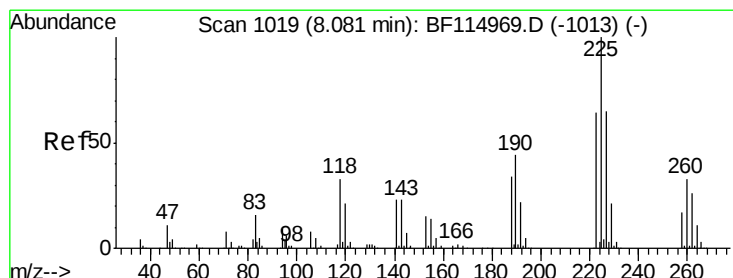
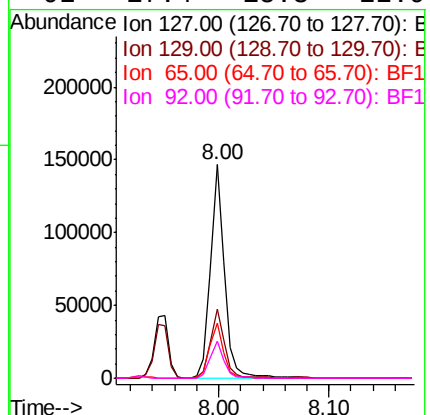
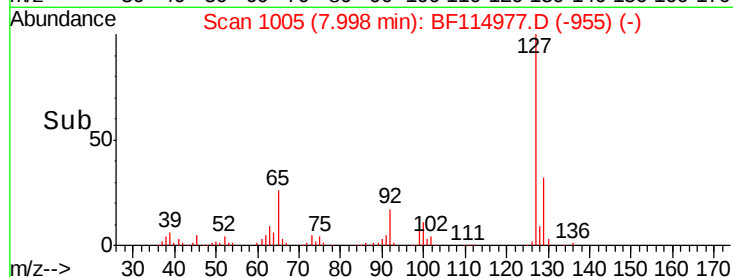
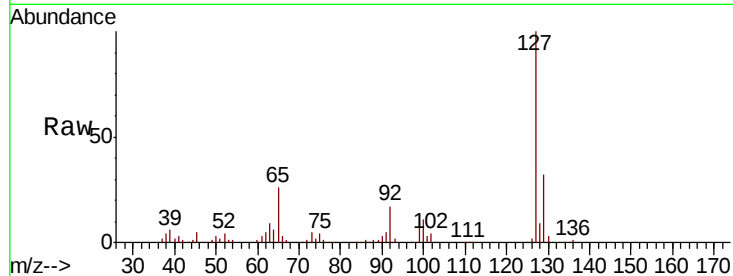




#33
4-Chloroaniline
Concen: 5.364 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

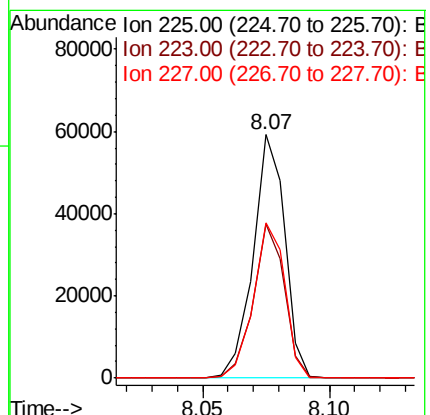
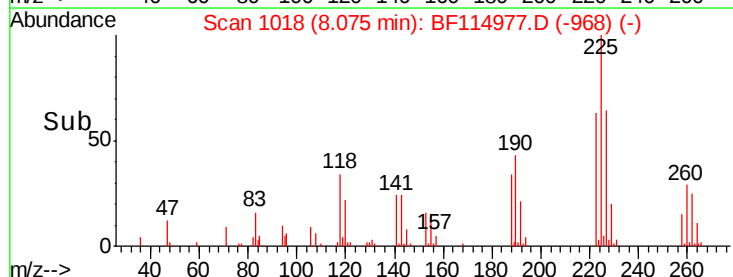
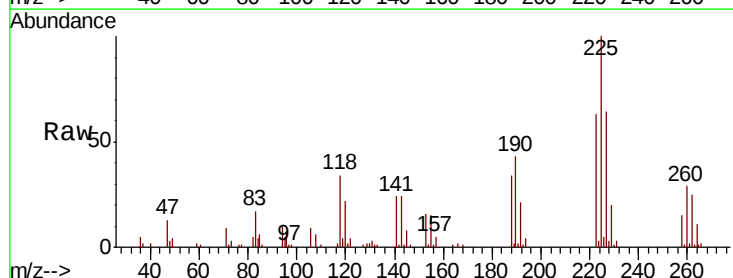
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

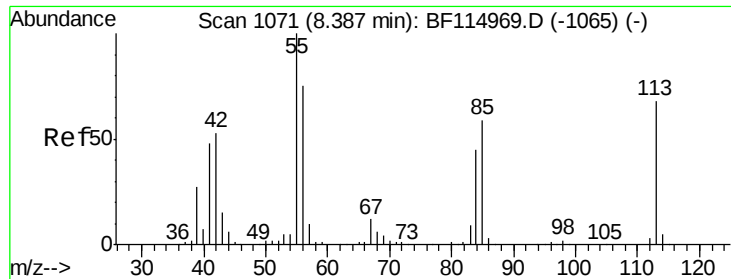
Tgt Ion:	127	Resp:	125973
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	26.0	22.3	33.5
92	17.4	15.3	22.9



#34
Hexachlorobutadiene
Concen: 5.212 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	225	Resp:	51685
Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	63.9	51.7	77.5

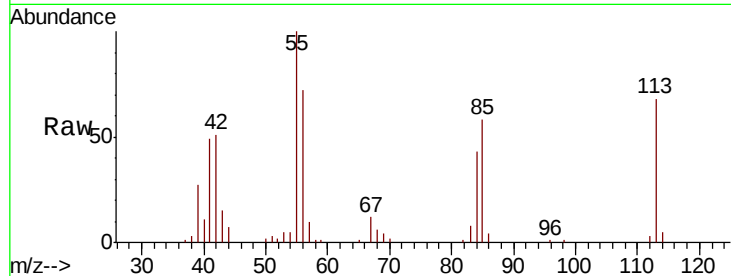




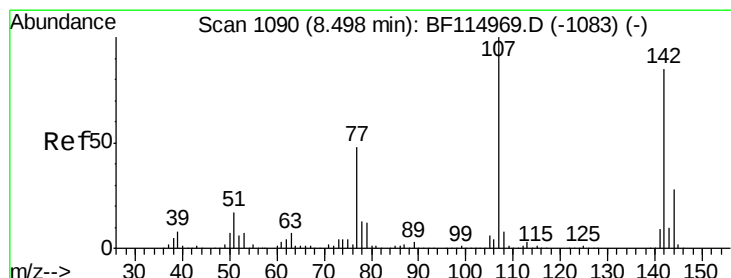
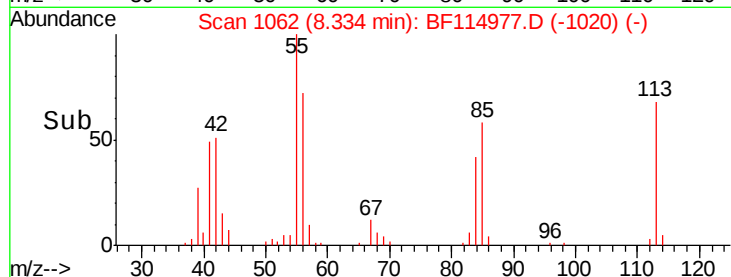
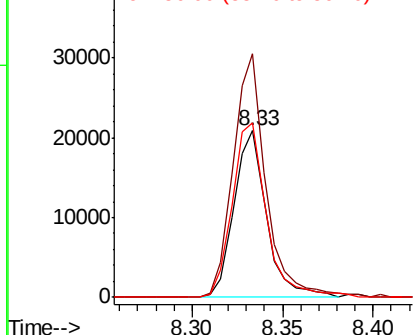
#35
 Caprolactam
 Concen: 5.072 ng
 RT: 8.33 min Scan# 1062
 Delta R.T. -0.05 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:113 Resp: 26083
 Ion Ratio Lower Upper
 113 100
 55 146.3 127.3 167.3
 56 105.2 90.6 130.6

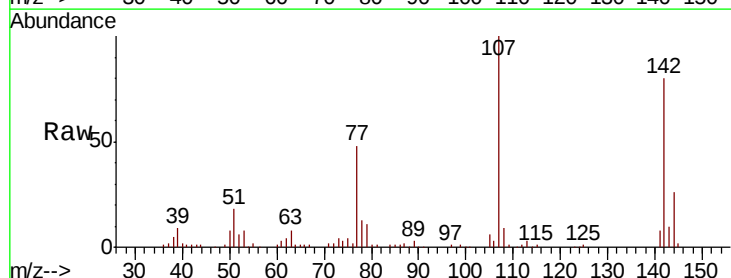


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

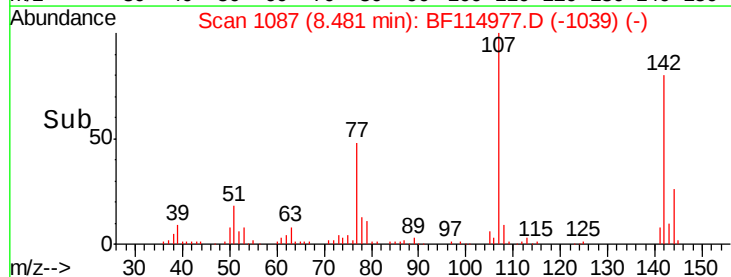
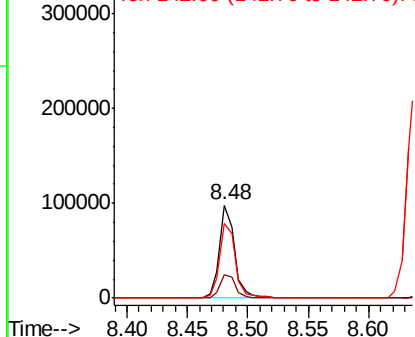


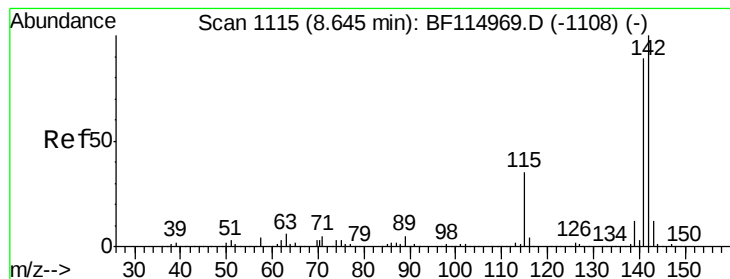
#36
 4-Chloro-3-methylphenol
 Concen: 5.494 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:107 Resp: 85482
 Ion Ratio Lower Upper
 107 100
 144 25.6 22.0 33.0
 142 80.5 68.2 102.4



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 6.188 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

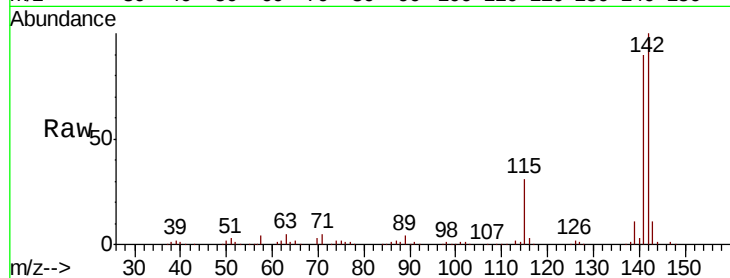
Tgt Ion:142 Resp: 209969

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

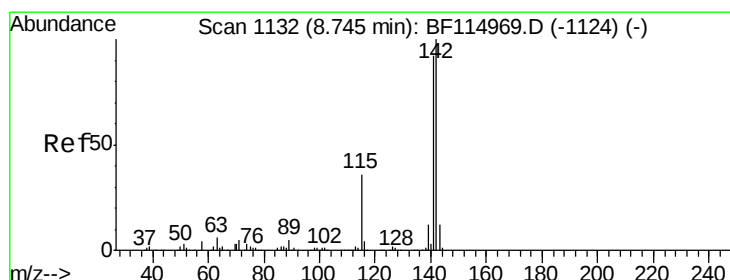
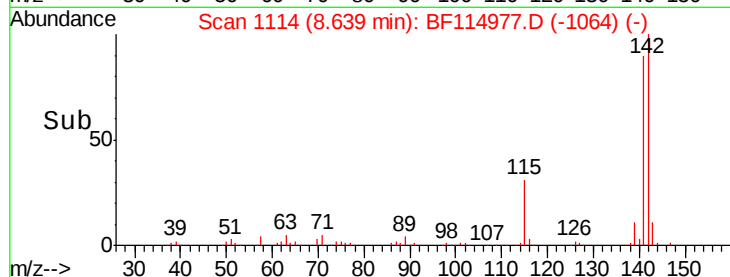
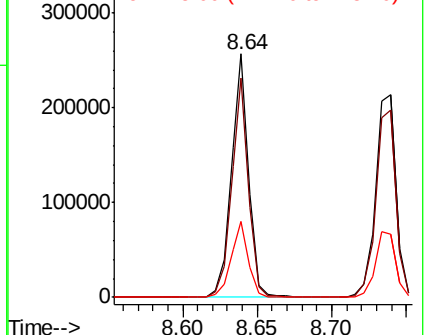
115 31.3 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 6.192 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

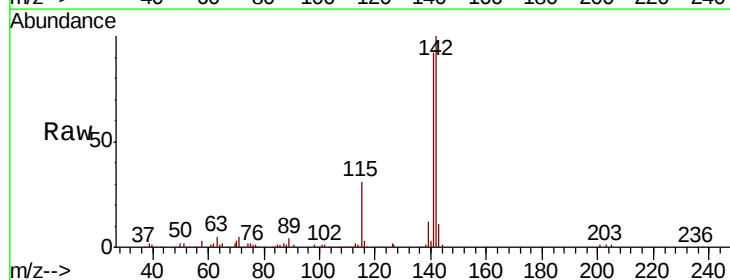
Tgt Ion:142 Resp: 198577

Ion Ratio Lower Upper

142 100

141 92.3 73.8 110.8

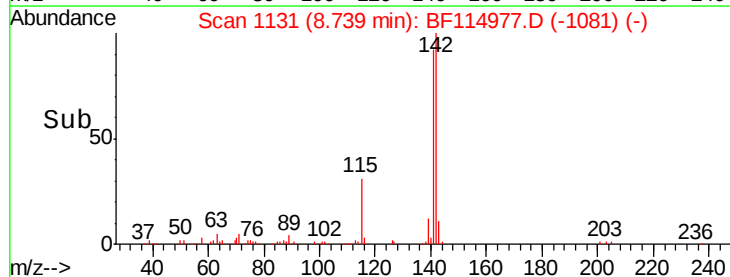
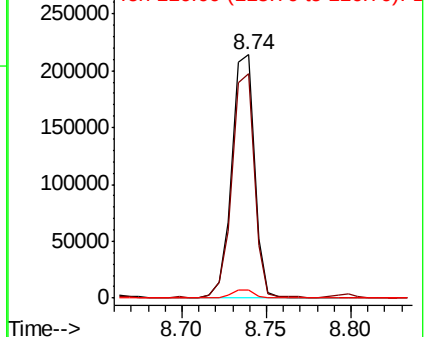
116 3.2 2.9 4.3

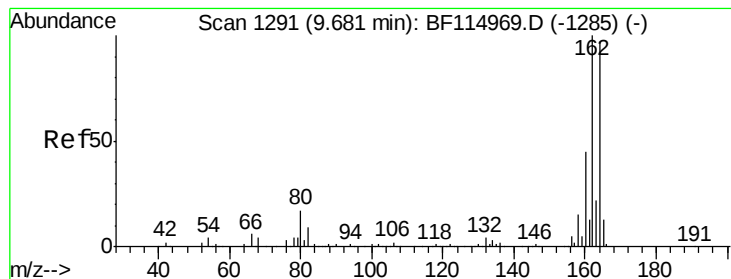


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

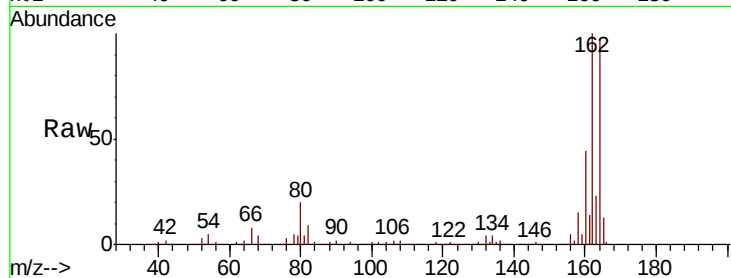
Tgt Ion:164 Resp: 529553

Ion Ratio Lower Upper

164 100

162 102.6 82.6 124.0

160 45.3 36.9 55.3

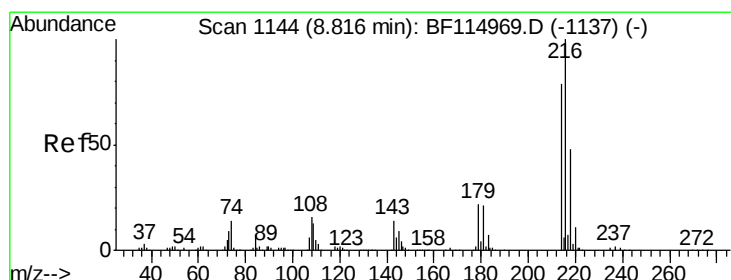
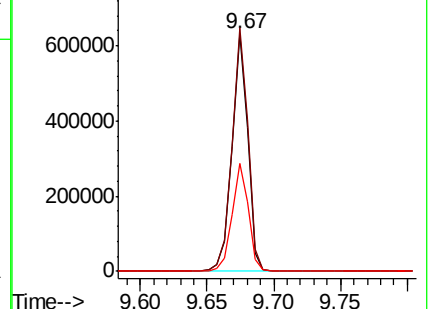
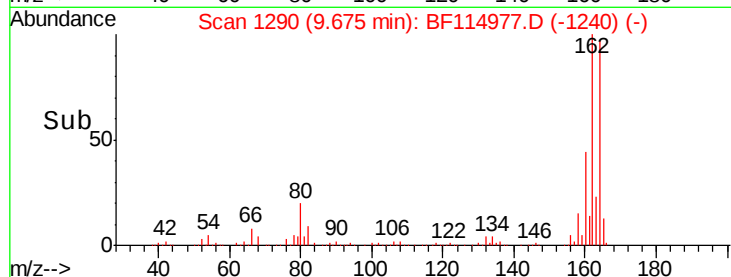


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.722 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:216 Resp: 89516

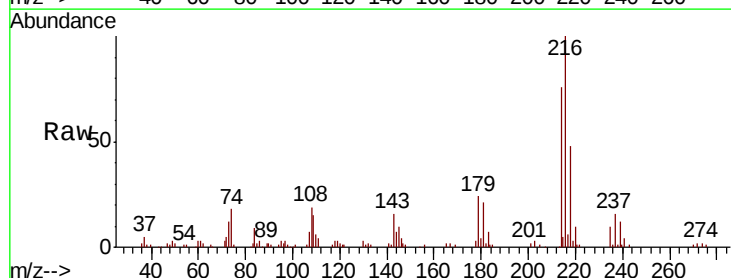
Ion Ratio Lower Upper

216 100

214 77.9 63.7 95.5

179 22.5 18.2 27.4

108 17.7 15.0 22.6



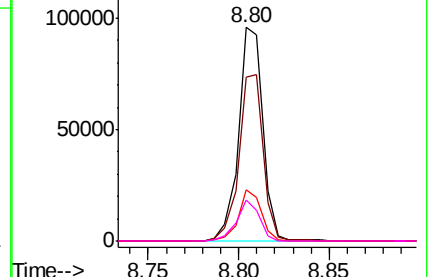
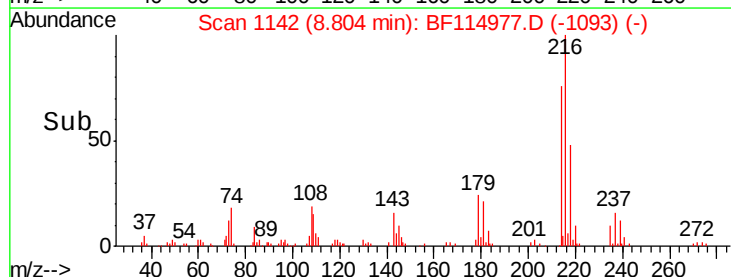
Abundance

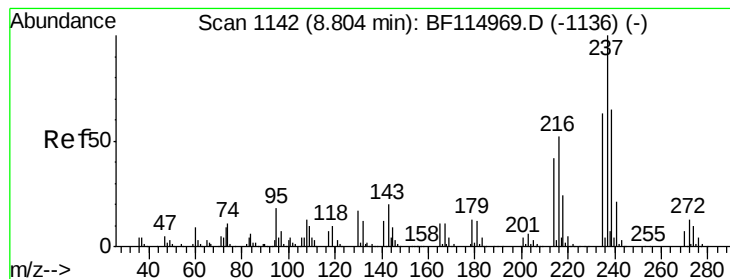
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 2.874 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

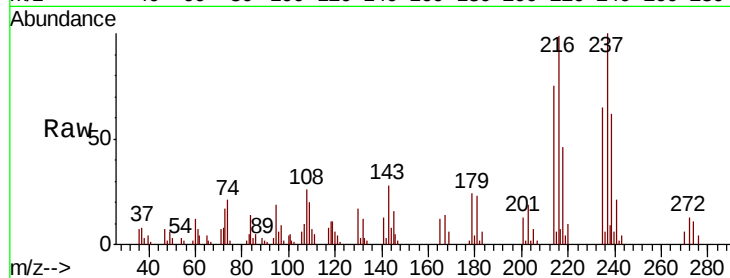
Tgt Ion: 237 Resp: 22157

Ion Ratio Lower Upper

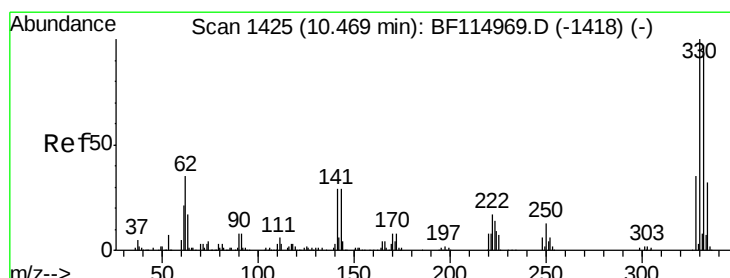
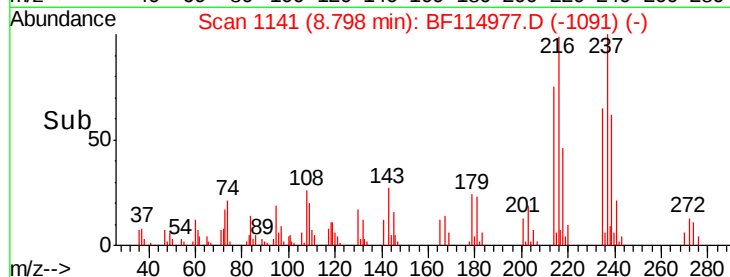
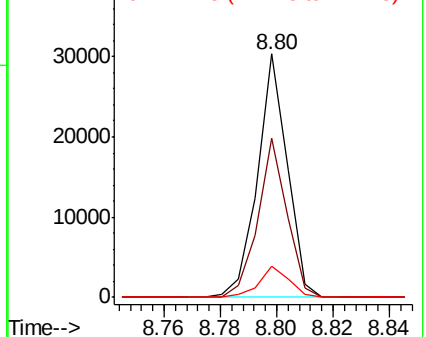
237 100

235 65.4 42.7 82.7

272 12.6 0.0 32.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 133.626 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

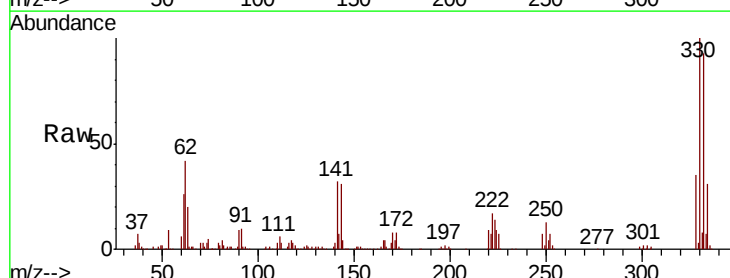
Tgt Ion: 330 Resp: 757763

Ion Ratio Lower Upper

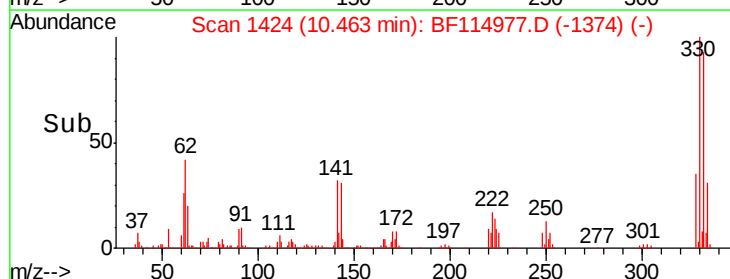
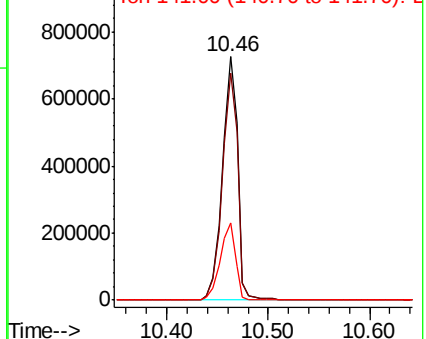
330 100

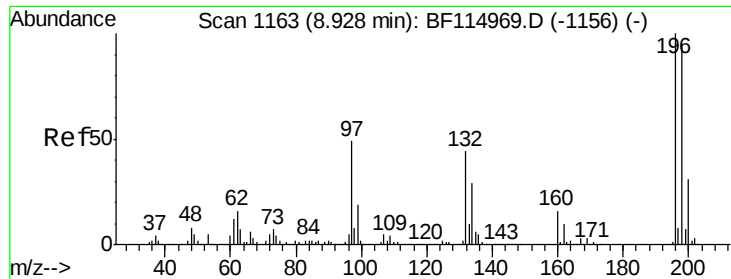
332 94.9 77.6 116.4

141 32.0 27.2 40.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

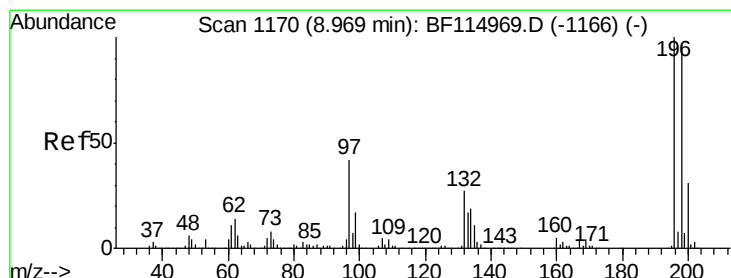
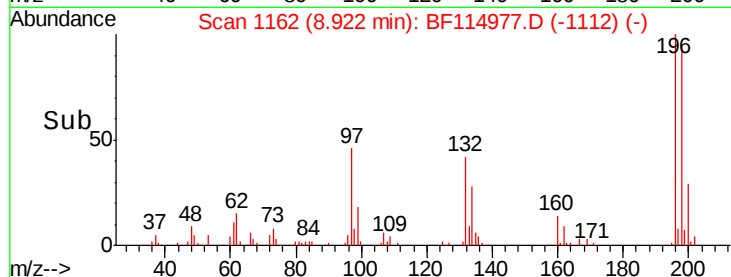
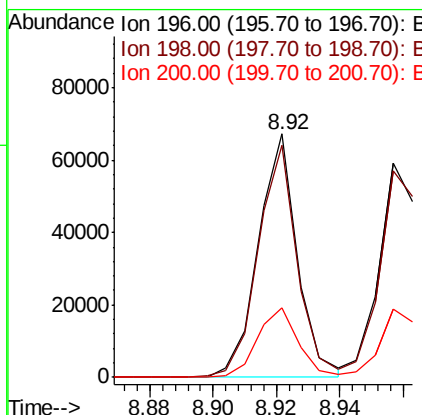
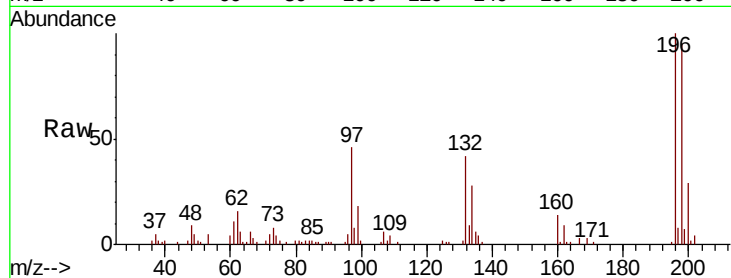




#43
 2,4,6-Trichlorophenol
 Concen: 4.928 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

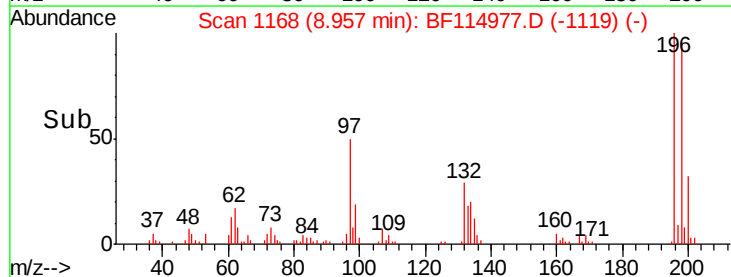
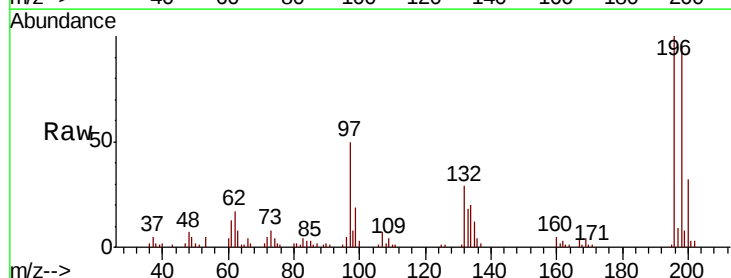
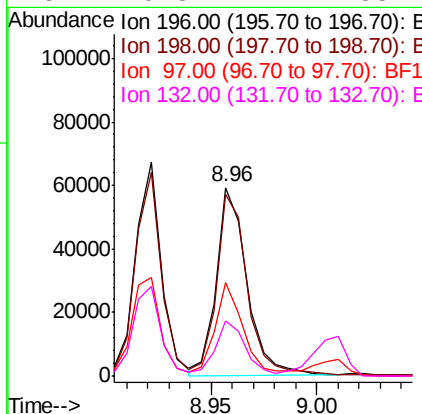
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

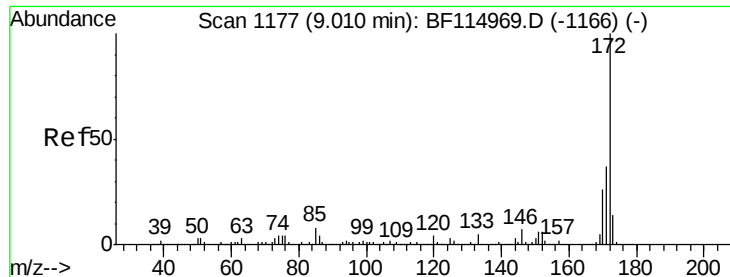
Tgt Ion:196 Resp: 57581
 Ion Ratio Lower Upper
 196 100
 198 95.1 75.8 113.8
 200 28.8 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 5.029 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:196 Resp: 59390
 Ion Ratio Lower Upper
 196 100
 198 96.5 77.3 115.9
 97 50.0 34.2 51.4
 132 29.3 22.1 33.1

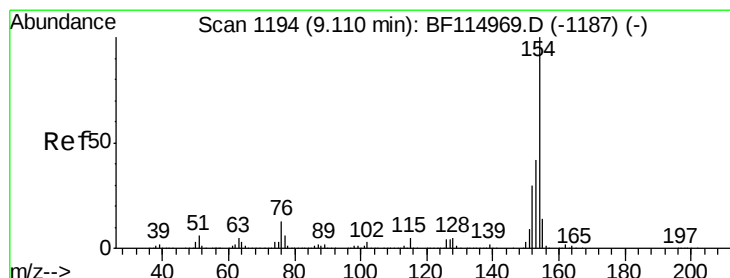
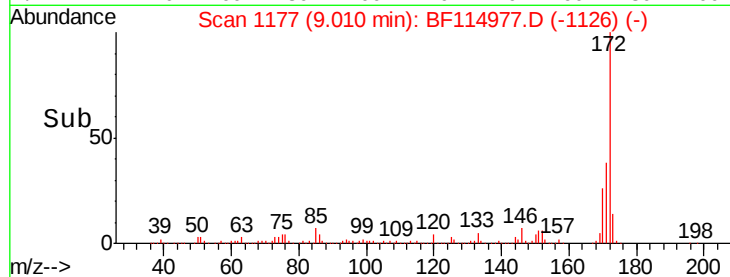
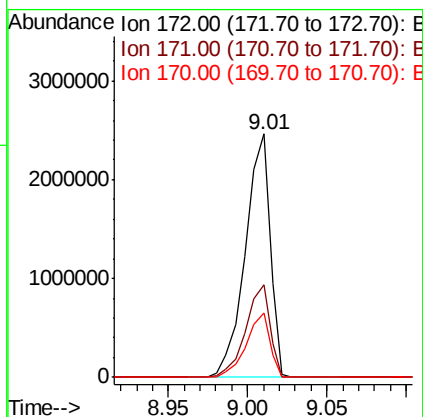
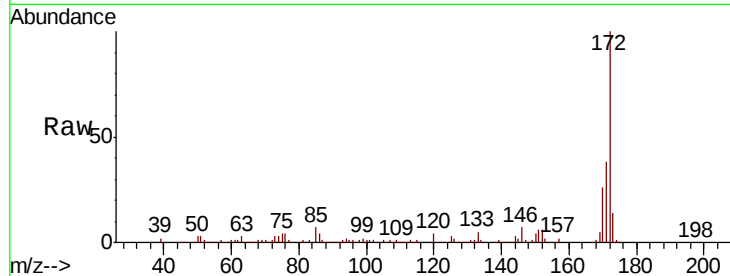




#45
2-Fluorobiphenyl
Concen: 85.785 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

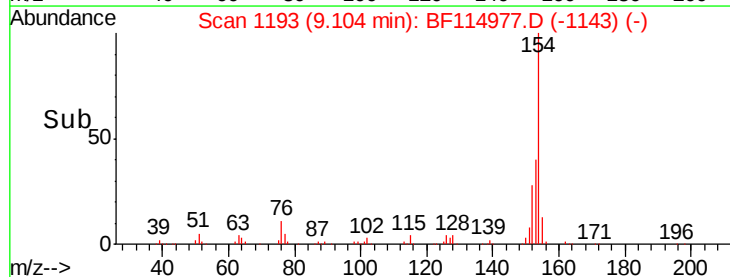
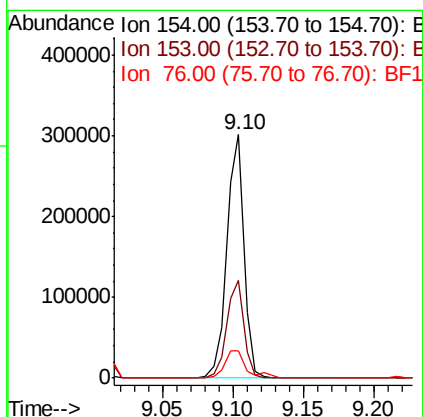
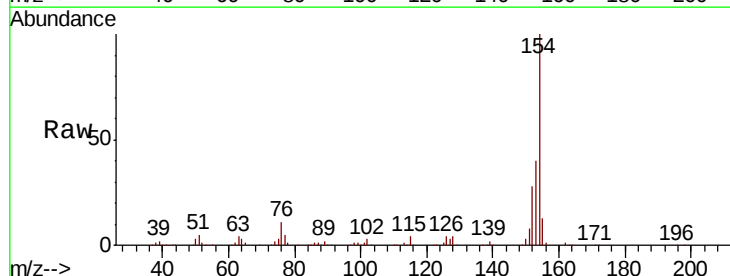
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

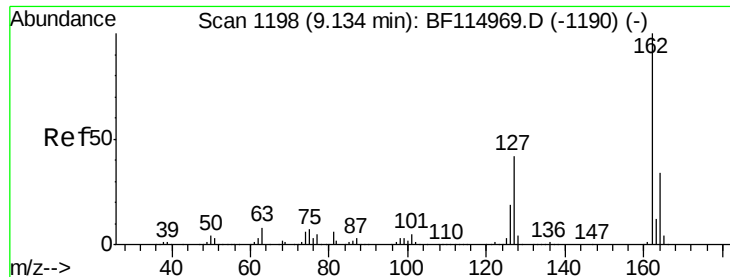
Tgt Ion:172 Resp: 2680368
Ion Ratio Lower Upper
172 100
171 38.0 29.8 44.6
170 26.3 20.6 31.0



#46
1,1'-Biphenyl
Concen: 5.977 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:154 Resp: 253641
Ion Ratio Lower Upper
154 100
153 40.3 22.4 62.4
76 11.2 0.0 33.3

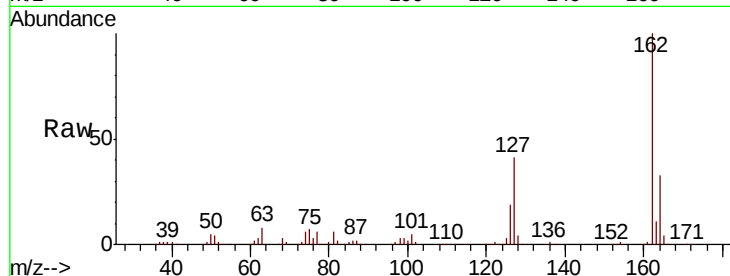




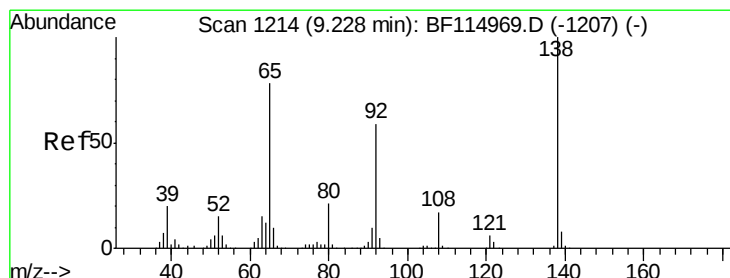
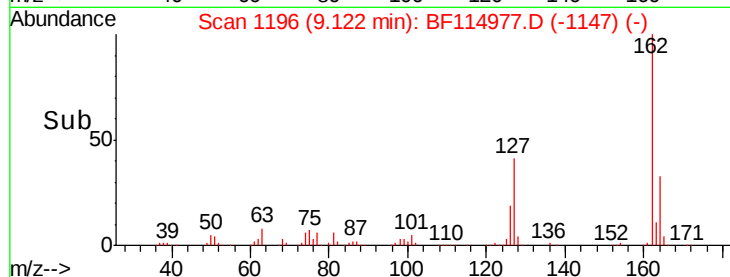
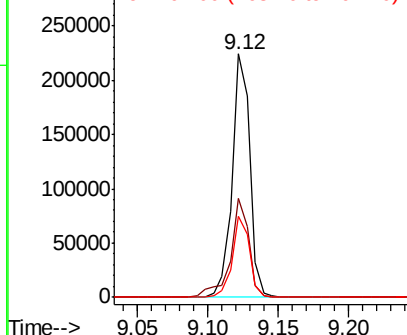
#47
2-Chloronaphthalene
Concen: 5.692 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 162 Resp: 195308
Ion Ratio Lower Upper
162 100
127 40.5 33.4 50.2
164 33.4 27.2 40.8

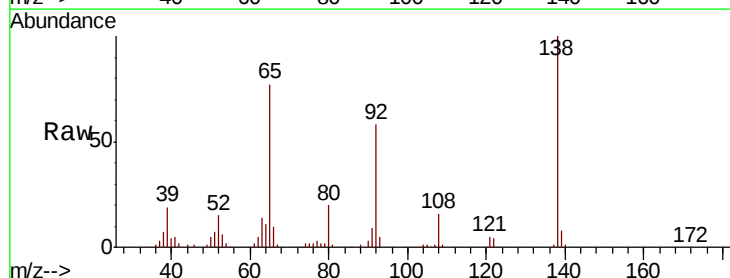


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

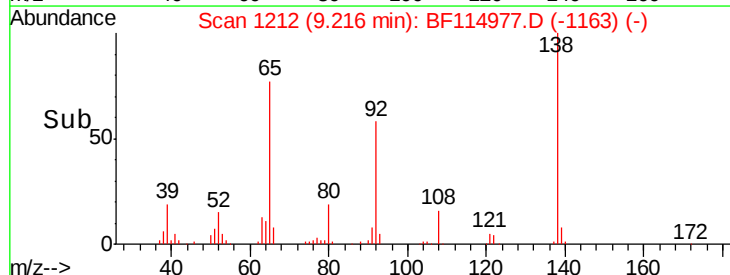
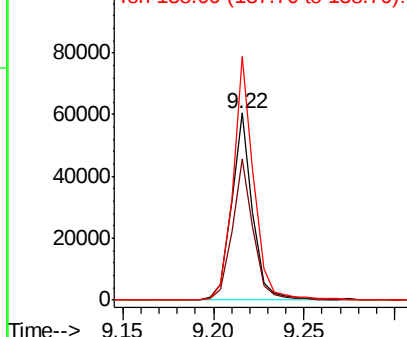


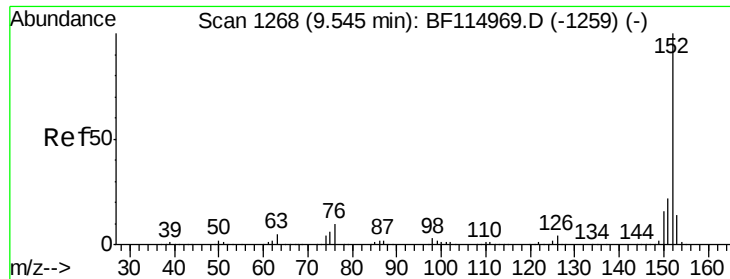
#48
2-Nitroaniline
Concen: 4.813 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion: 65 Resp: 48812
Ion Ratio Lower Upper
65 100
92 75.5 60.5 90.7
138 130.1 102.0 153.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.992 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

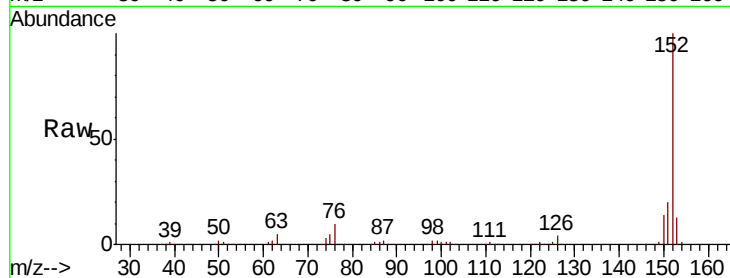
Tgt Ion:152 Resp: 316153

Ion Ratio Lower Upper

152 100

151 19.9 17.5 26.3

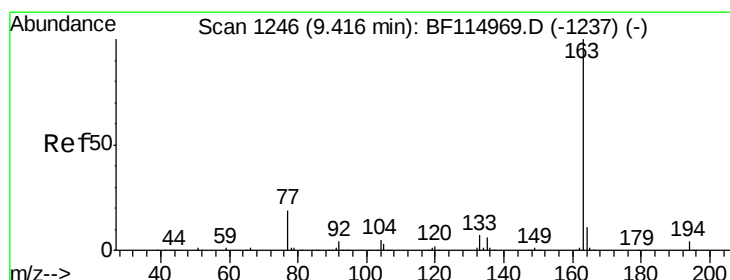
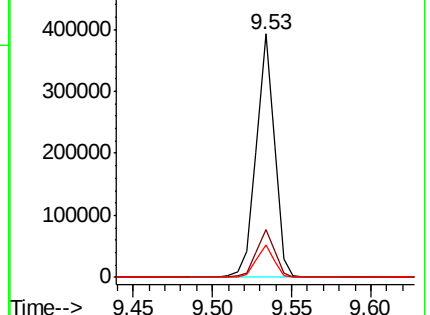
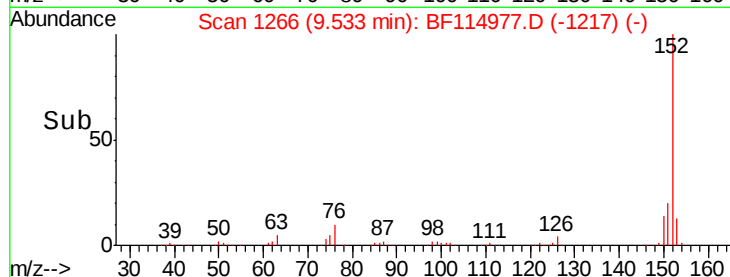
153 13.1 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.434 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

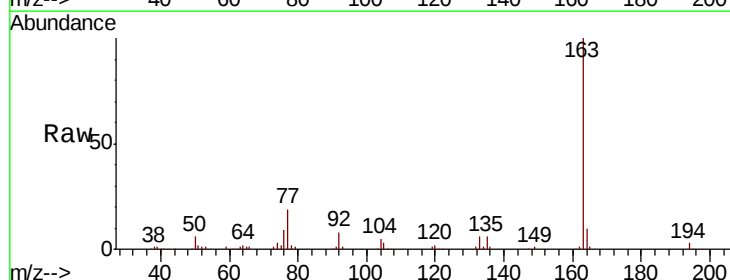
Tgt Ion:163 Resp: 216401

Ion Ratio Lower Upper

163 100

194 3.4 3.3 4.9

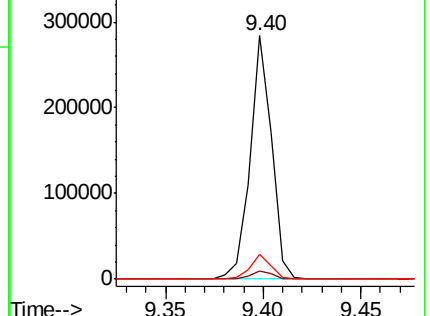
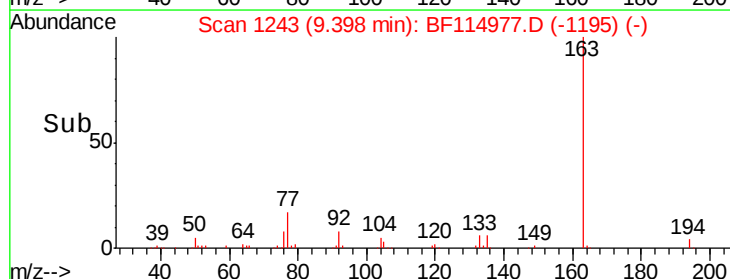
164 10.4 8.6 12.8

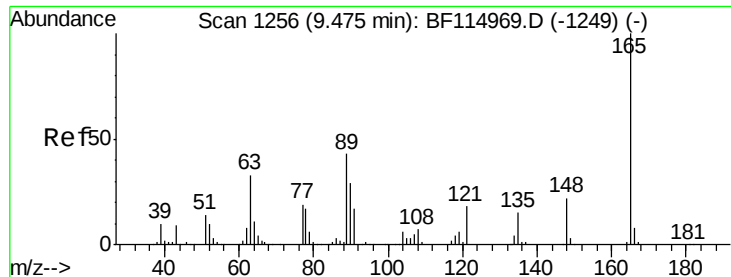


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

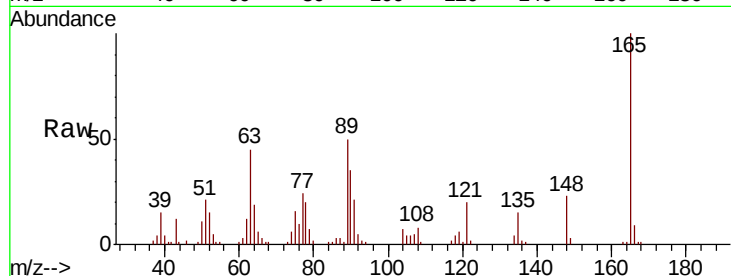




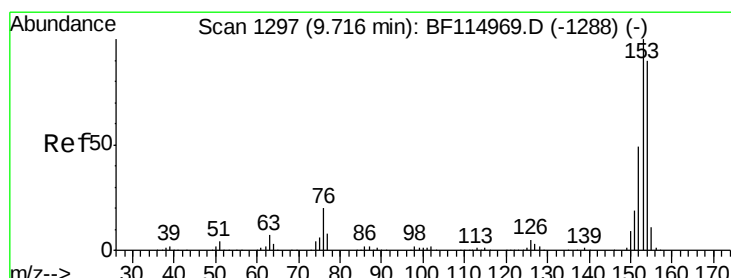
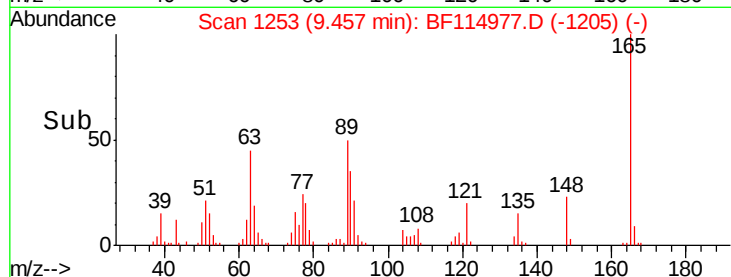
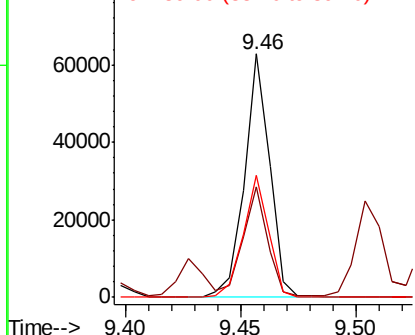
#51
2,6-Dinitrotoluene
Concen: 5.298 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:165 Resp: 47859
Ion Ratio Lower Upper
165 100
63 45.4 30.6 46.0
89 50.1 34.4 51.6

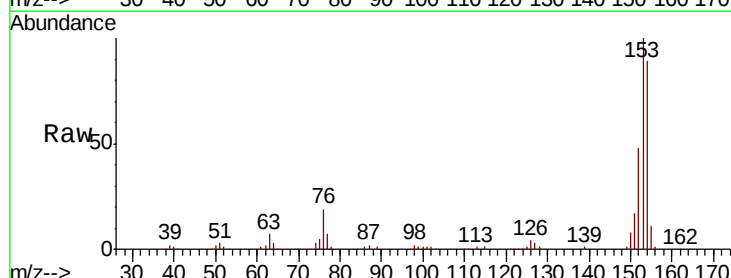


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

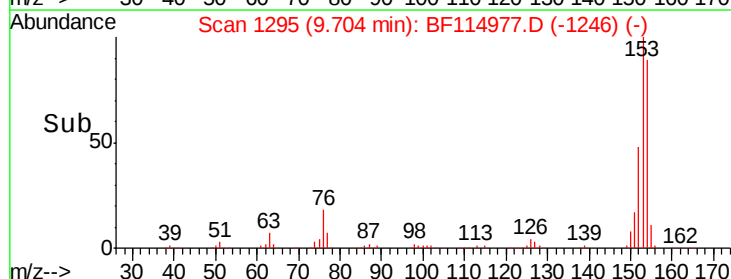
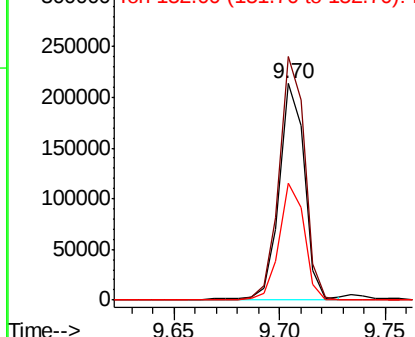


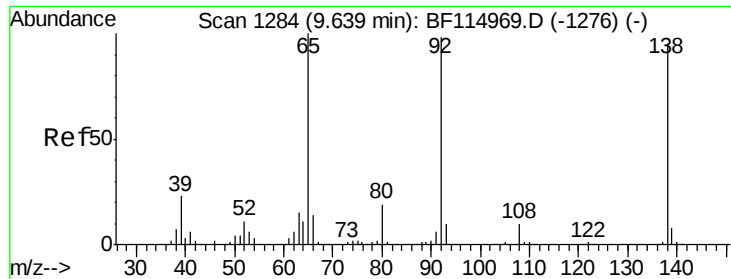
#52
Acenaphthene
Concen: 5.955 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:154 Resp: 179764
Ion Ratio Lower Upper
154 100
153 112.5 88.5 132.7
152 53.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

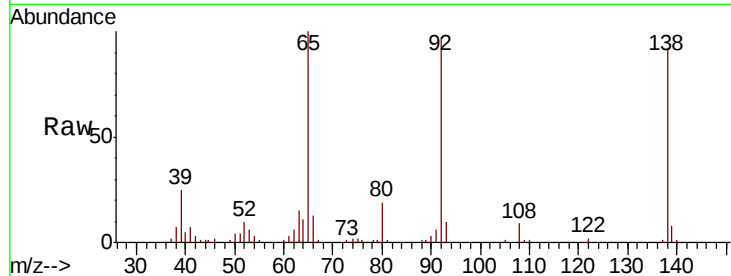




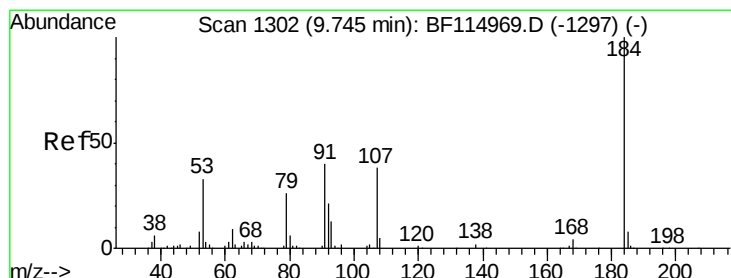
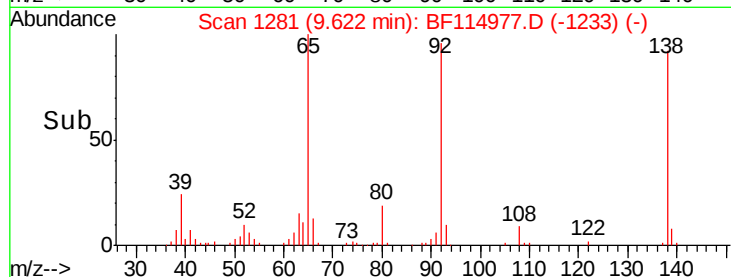
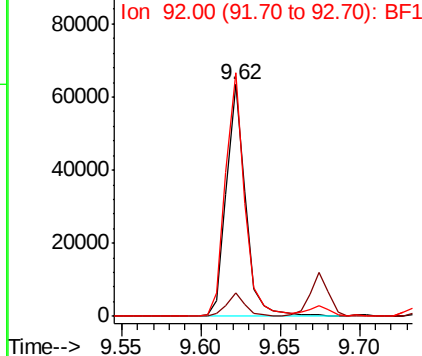
#53
 3-Nitroaniline
 Concen: 4.805 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:138 Resp: 53187
 Ion Ratio Lower Upper
 138 100
 108 9.9 8.0 12.0
 92 105.0 82.4 123.6

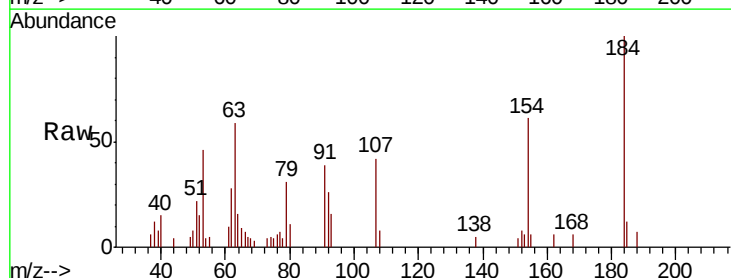


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

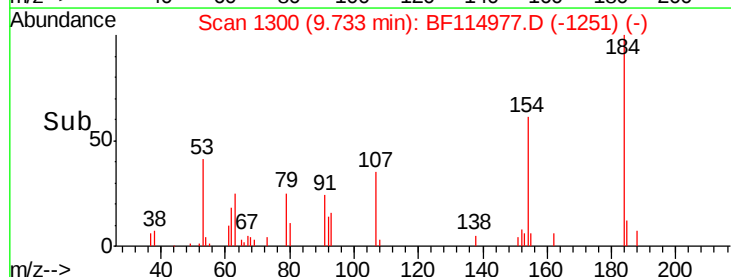
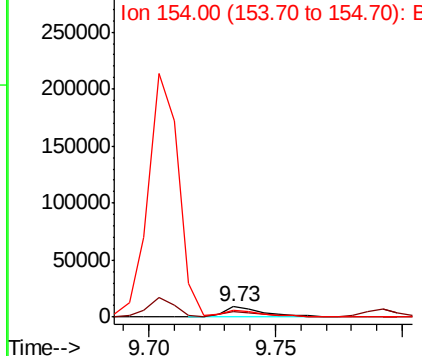


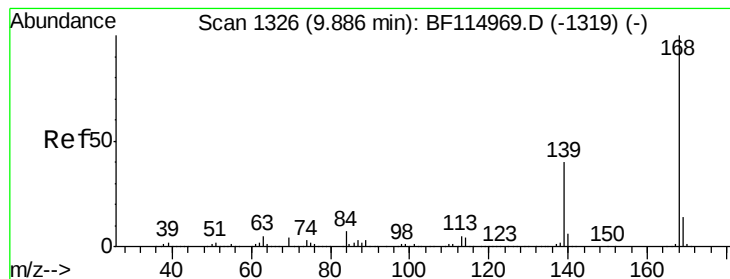
#54
 2,4-Dinitrophenol
 Concen: 2.366 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:184 Resp: 10368
 Ion Ratio Lower Upper
 184 100
 63 58.6 40.5 60.7
 154 61.4 44.8 67.2



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 6.028 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

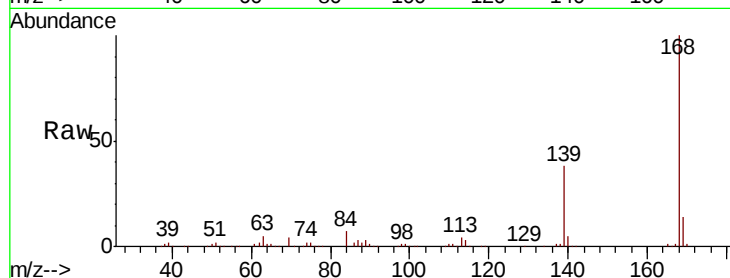
Tgt Ion:168 Resp: 274231

Ion Ratio Lower Upper

168 100

139 38.1 32.5 48.7

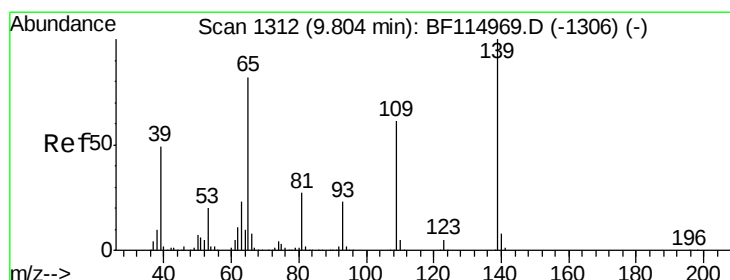
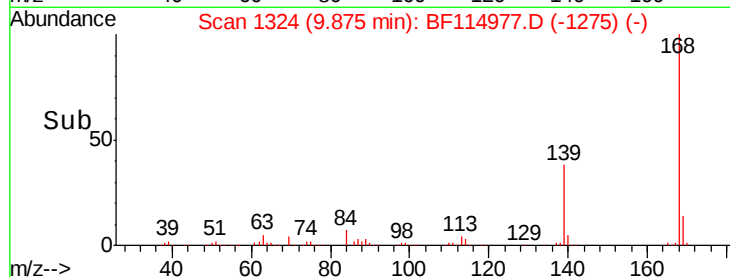
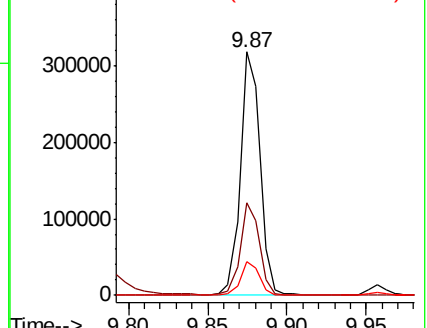
169 14.0 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 4.168 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

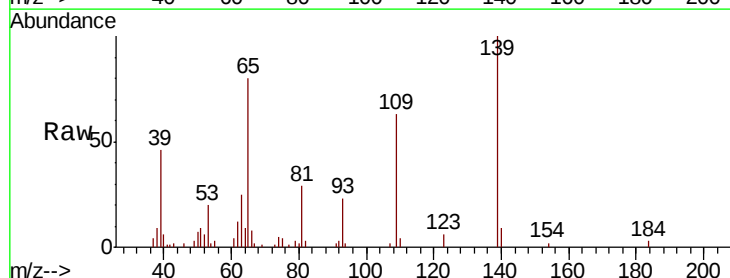
Tgt Ion:139 Resp: 31815

Ion Ratio Lower Upper

139 100

109 62.6 41.4 81.4

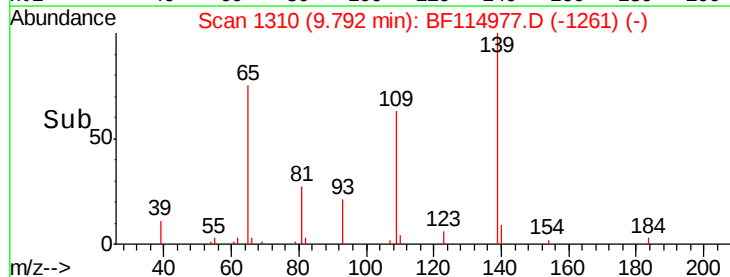
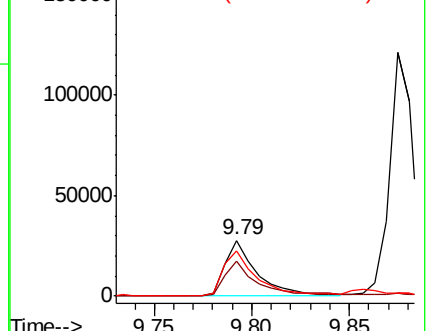
65 80.2 62.7 102.7

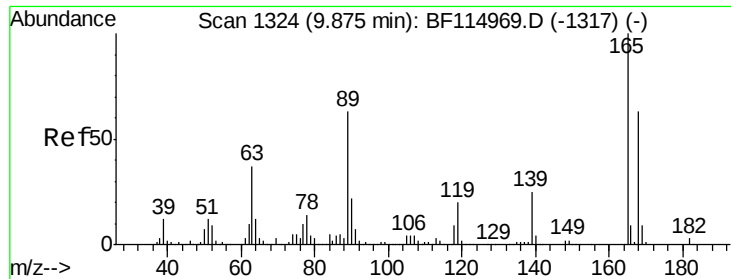


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

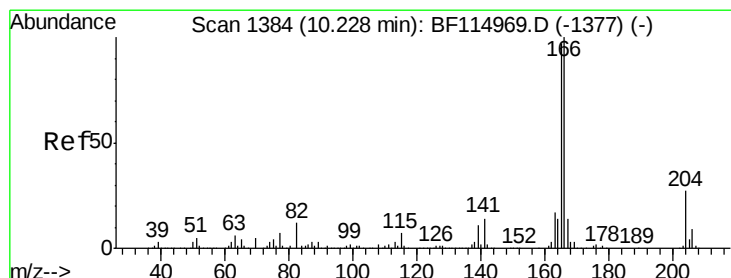
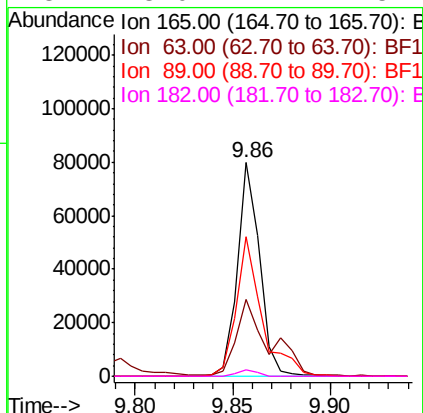
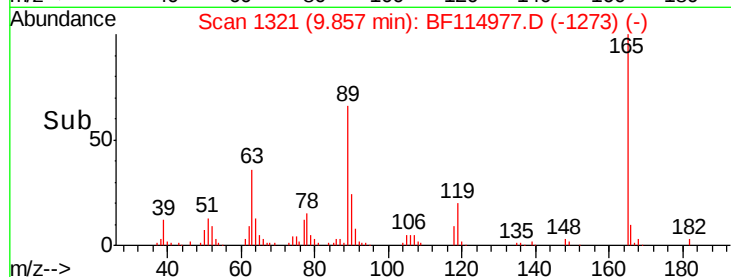
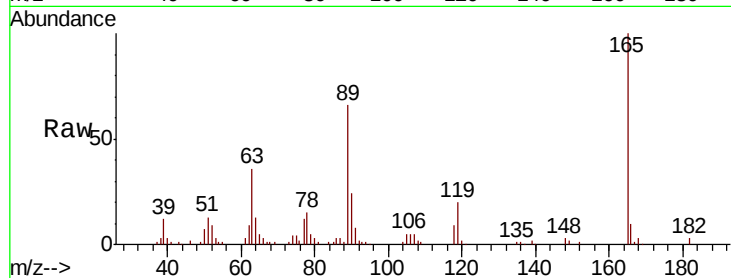




#57
2,4-Dinitrotoluene
Concen: 5.490 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

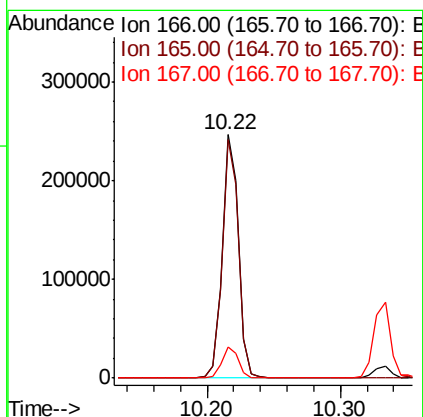
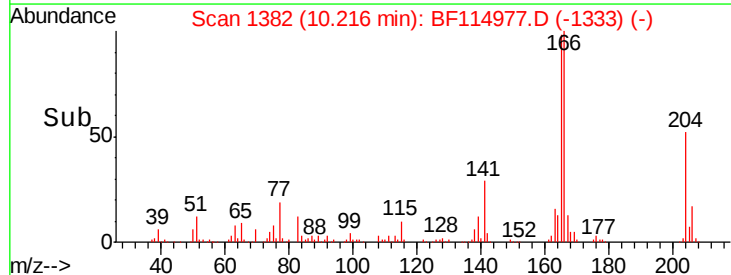
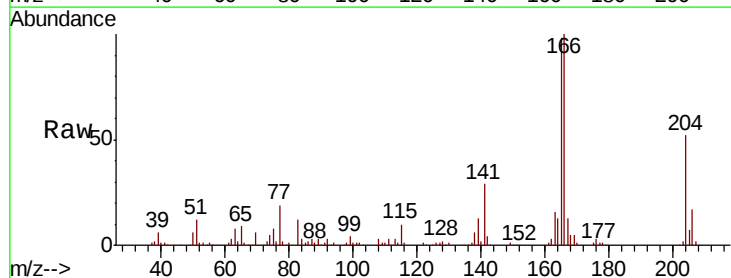
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

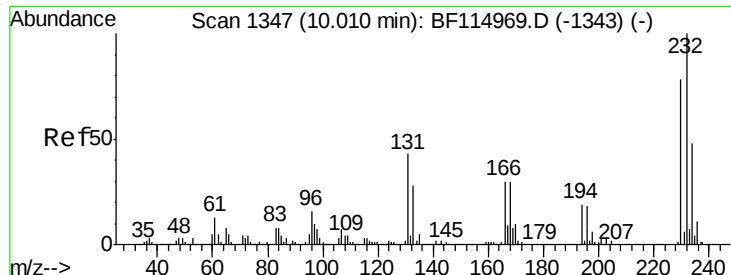
Tgt Ion:	165	Resp:	63125
Ion	Ratio	Lower	Upper
165	100		
63	36.1	29.4	44.2
89	65.6	50.6	75.8
182	3.0	2.2	3.2



#58
Fluorene
Concen: Below Cal
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:	166	Resp:	211567
Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.6	116.4
167	12.9	11.0	16.4

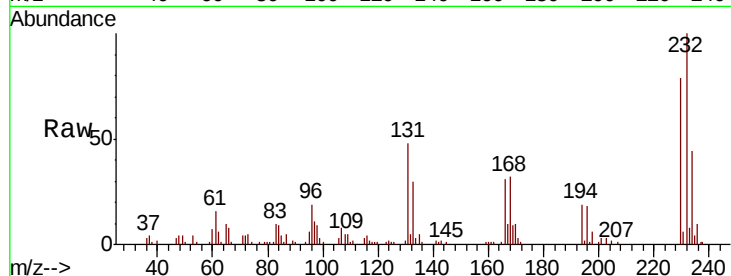




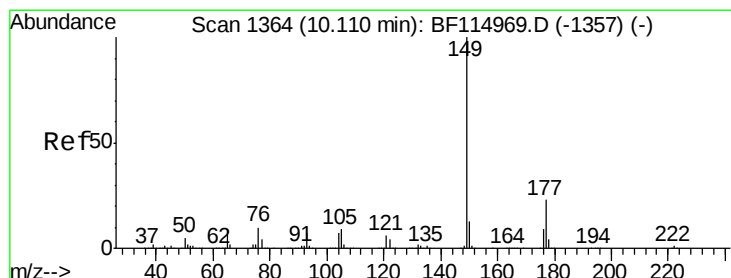
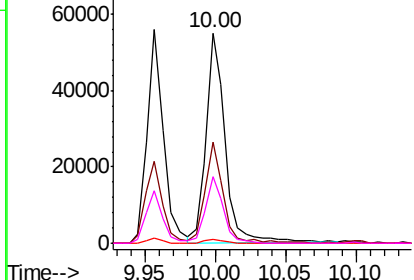
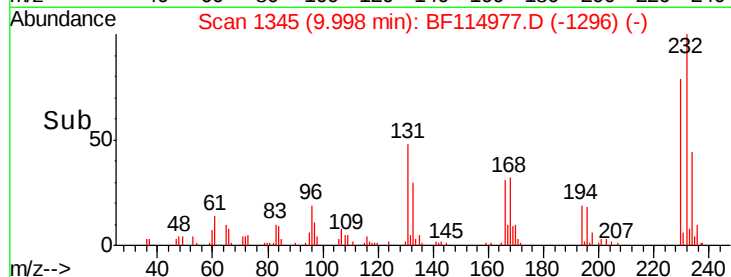
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.340 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 232 Resp: 50935
 Ion Ratio Lower Upper
 232 100
 131 46.7 36.9 55.3
 130 1.9 1.8 2.6
 166 30.1 24.8 37.2

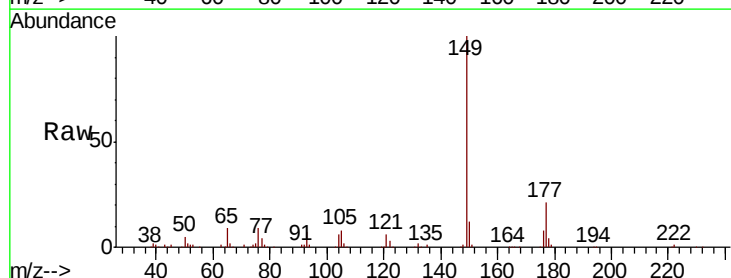


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

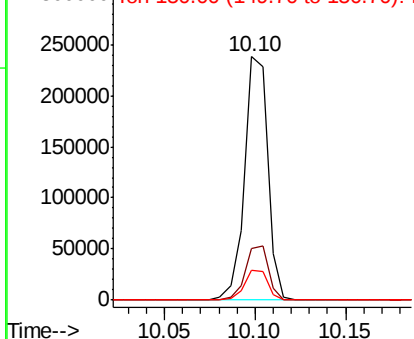
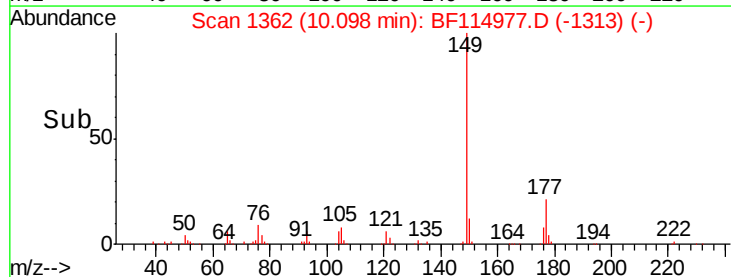


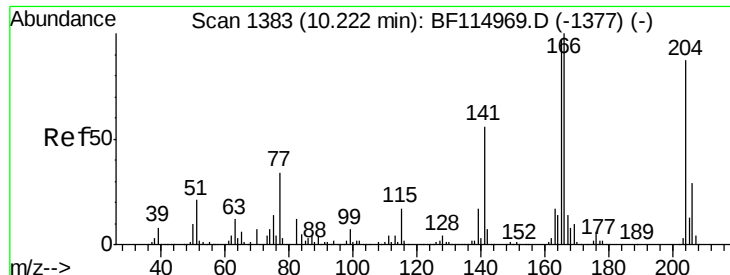
#60
 Diethylphthalate
 Concen: 5.589 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 149 Resp: 212833
 Ion Ratio Lower Upper
 149 100
 177 21.2 18.6 27.8
 150 12.2 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

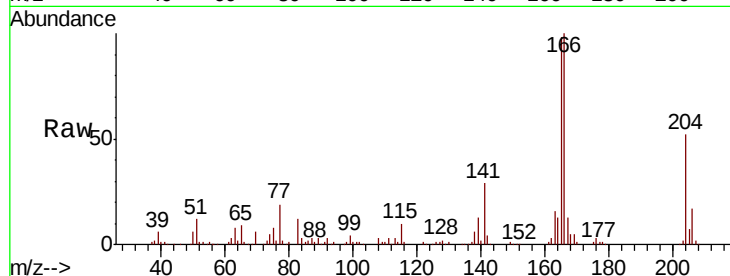




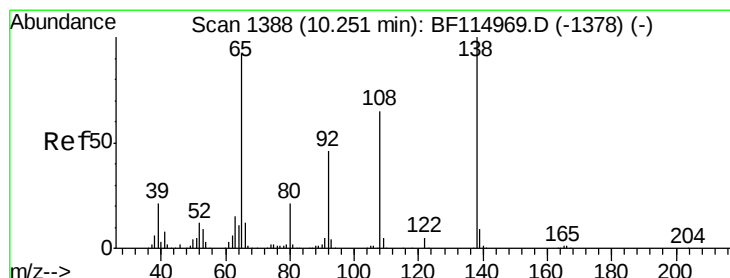
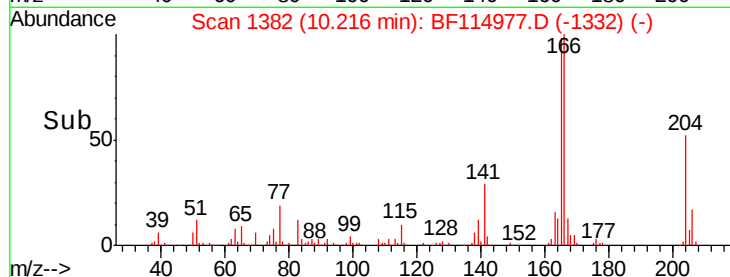
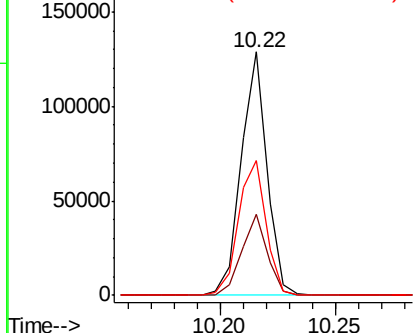
#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:204 Resp: 100432
 Ion Ratio Lower Upper
 204 100
 206 33.3 26.5 39.7
 141 55.3 51.8 77.8

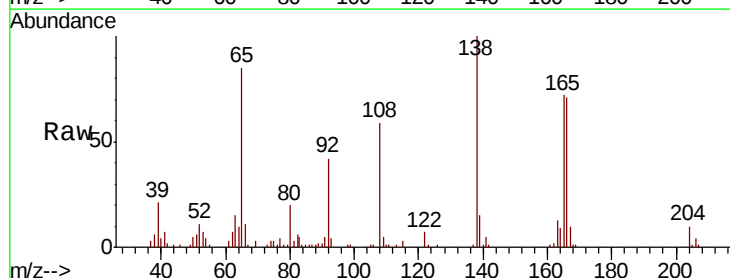


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

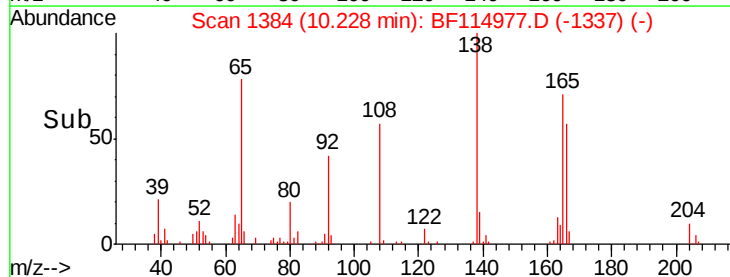
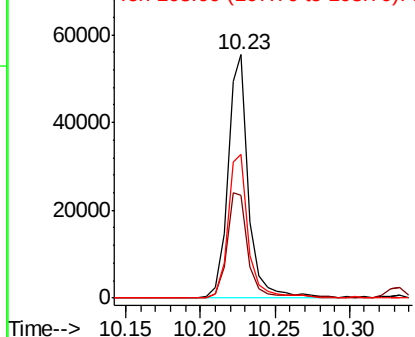


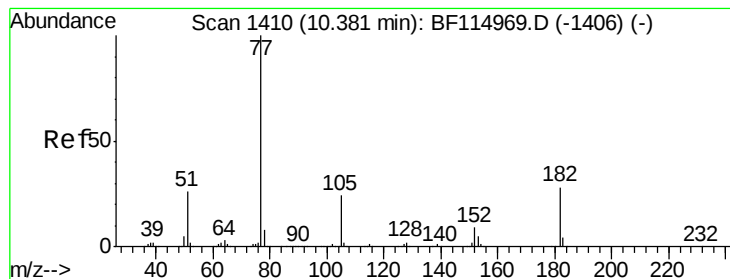
#62
 4-Nitroaniline
 Concen: 4.848 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:138 Resp: 53951
 Ion Ratio Lower Upper
 138 100
 92 42.1 25.7 65.7
 108 59.1 44.6 84.6



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 5.823 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 77 Resp: 193980

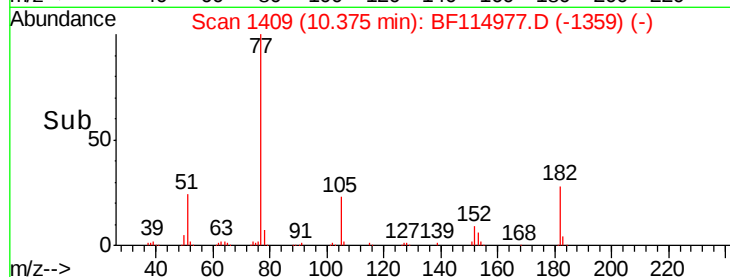
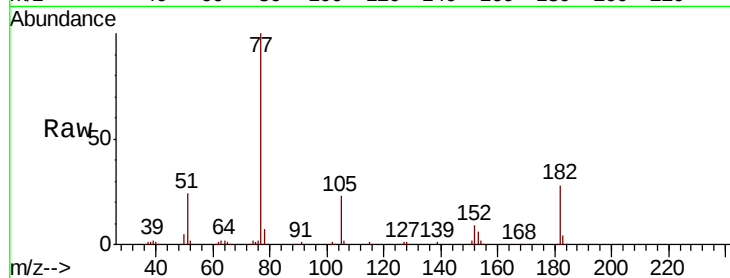
Ion Ratio Lower Upper

77 100

182 27.6 7.4 47.4

105 23.0 4.2 44.2

51 24.1 6.2 46.2

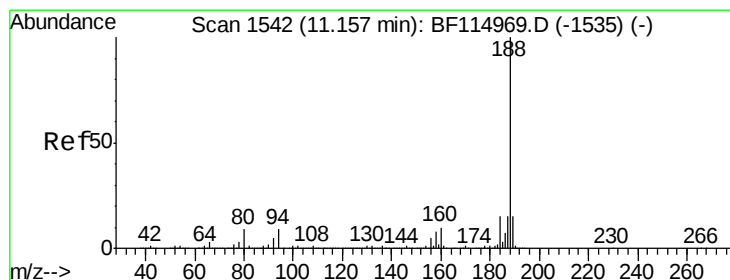
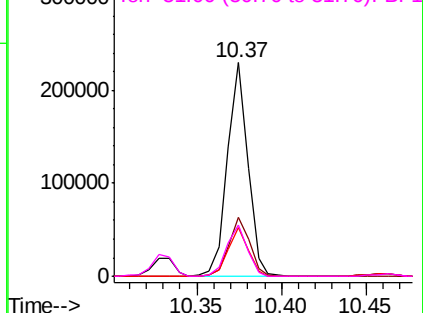


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

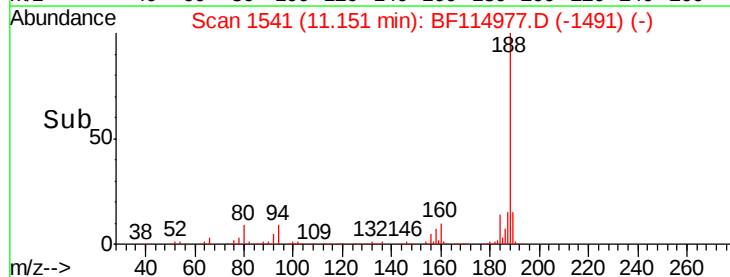
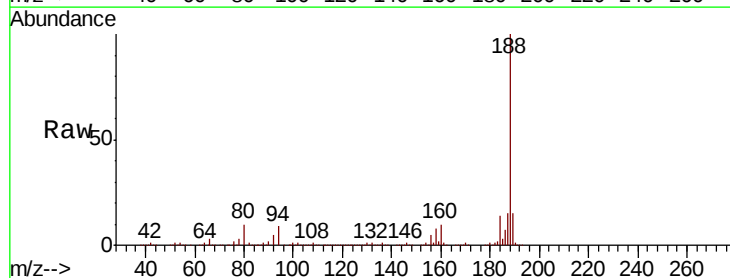
Tgt Ion: 188 Resp: 1049307

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

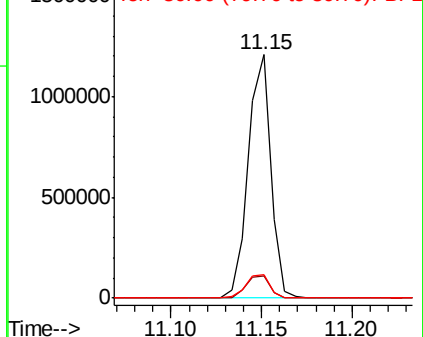
80 9.5 7.4 11.2

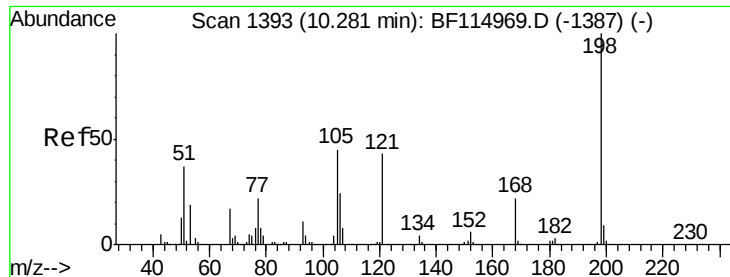


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

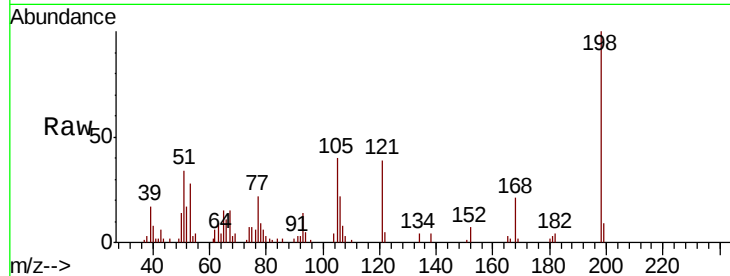




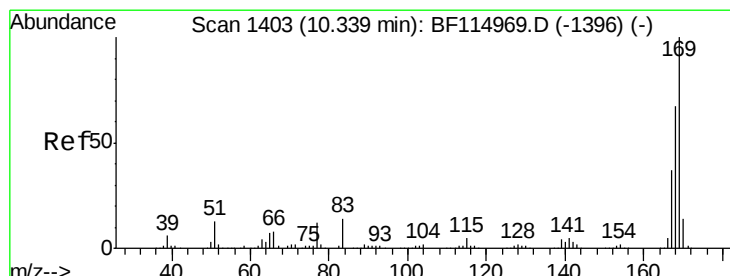
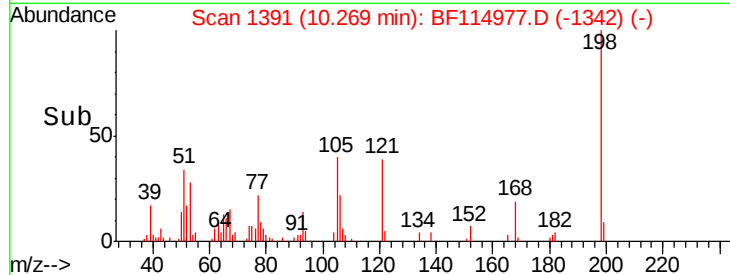
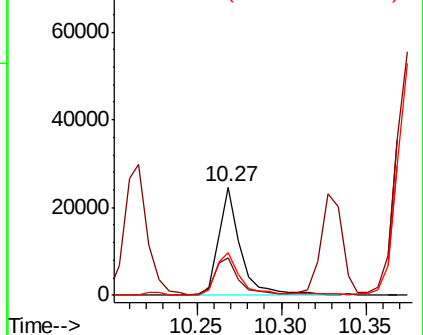
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.810 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:198 Resp: 22408
 Ion Ratio Lower Upper
 198 100
 51 34.2 23.0 63.0
 105 39.7 26.5 66.5

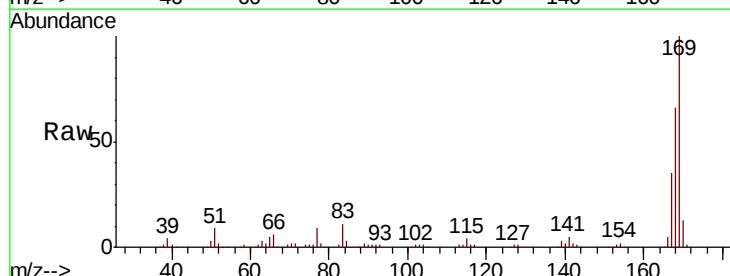


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

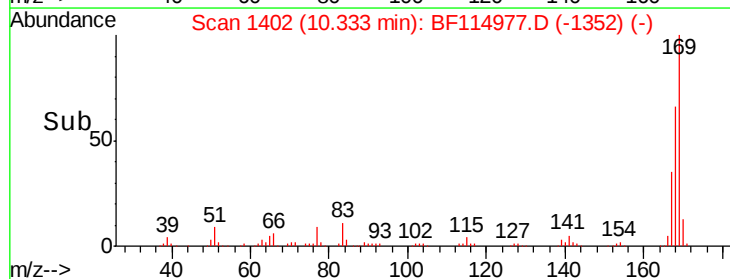
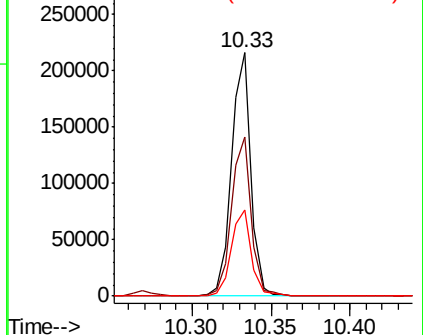


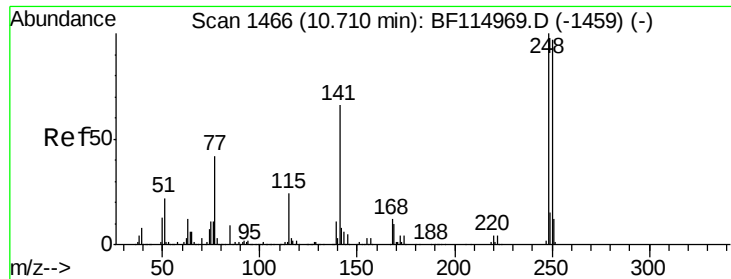
#66
 n-Nitrosodiphenylamine
 Concen: 5.812 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion:169 Resp: 182287
 Ion Ratio Lower Upper
 169 100
 168 65.6 53.6 80.4
 167 35.4 29.6 44.4



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

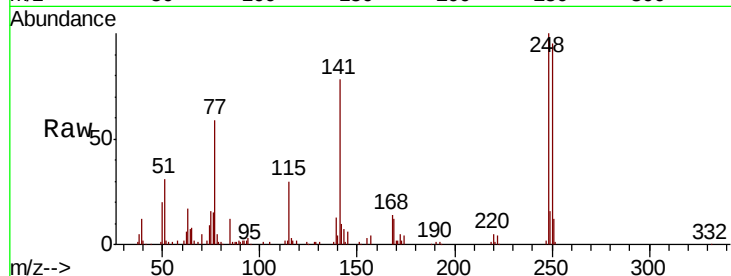




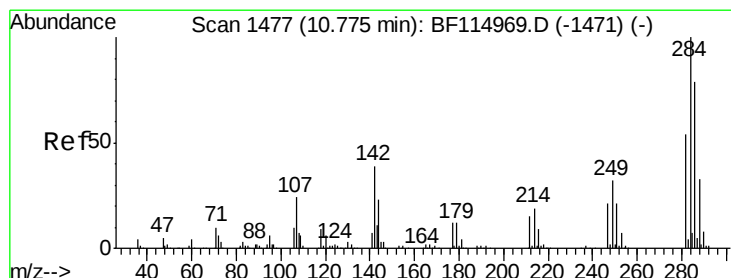
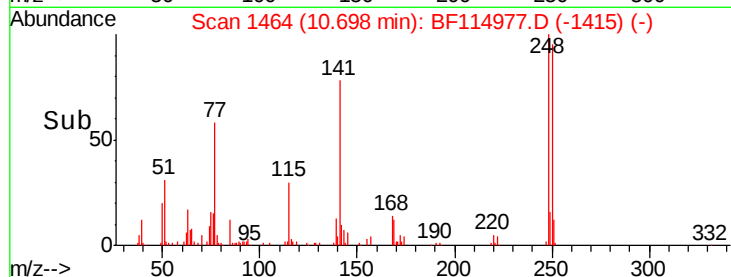
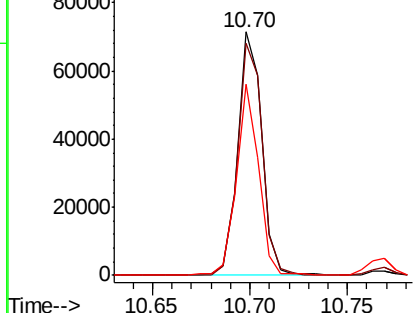
#67
4-Bromophenyl-phenylether
Concen: 5.392 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:248 Resp: 60745
Ion Ratio Lower Upper
248 100
250 95.4 77.8 116.8
141 78.3 53.1 79.7

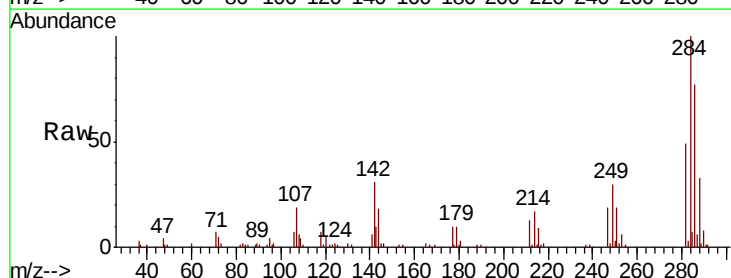


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

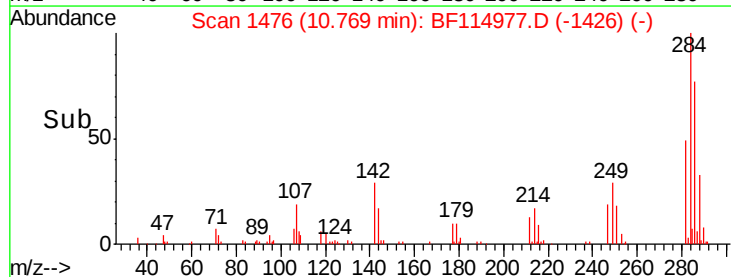
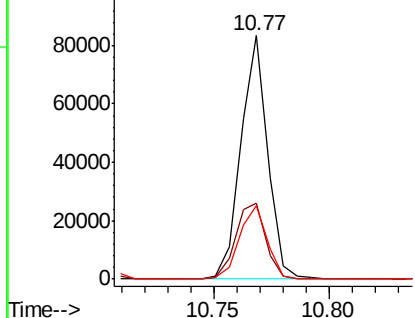


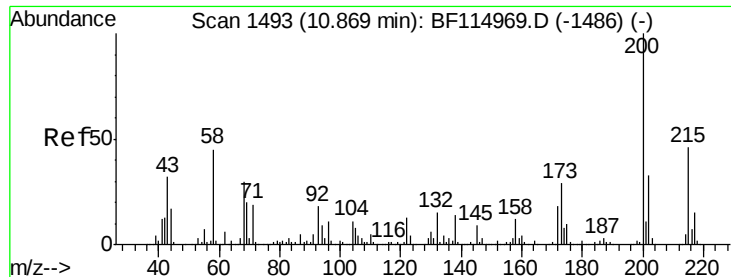
#68
Hexachlorobenzene
Concen: 5.431 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:284 Resp: 67360
Ion Ratio Lower Upper
284 100
142 31.1 31.5 47.3#
249 30.0 25.6 38.4



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

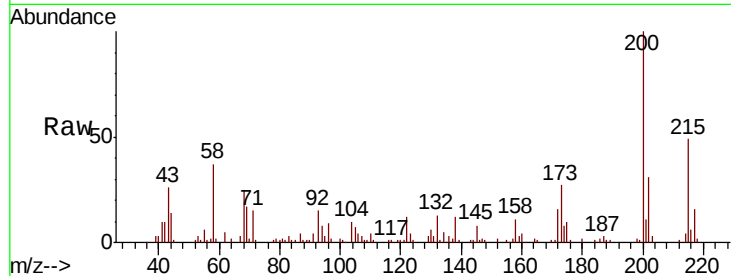




#69
Atrazine
Concen: 5.439 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.8	9.0	49.0
215	48.7	26.5	66.5

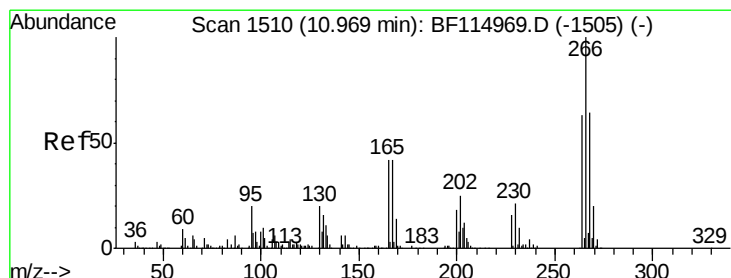
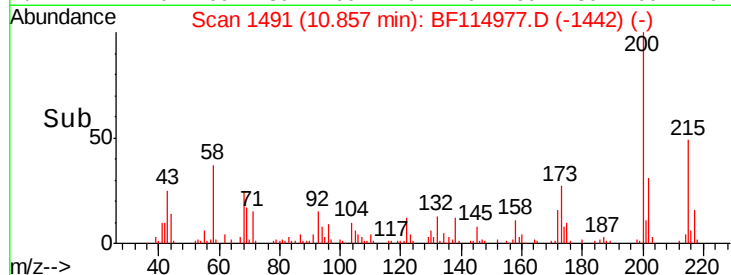
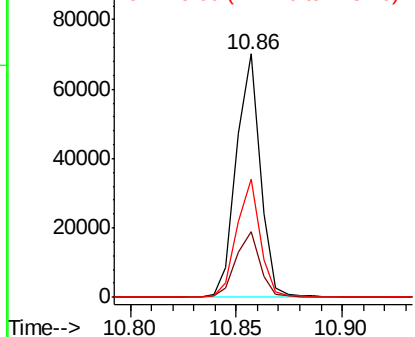


Abundance

Ion 200.00 (199.70 to 200.70): E

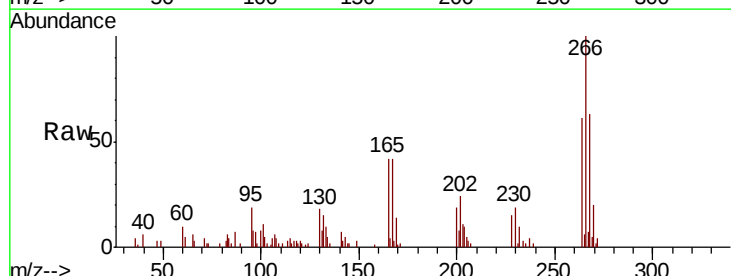
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 3.939 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.4	77.2
264	60.9	50.3	75.5

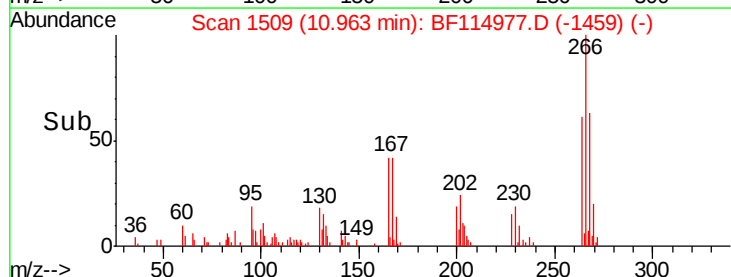
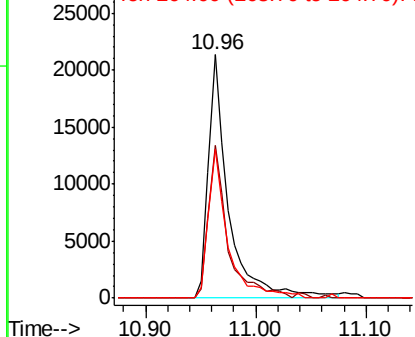


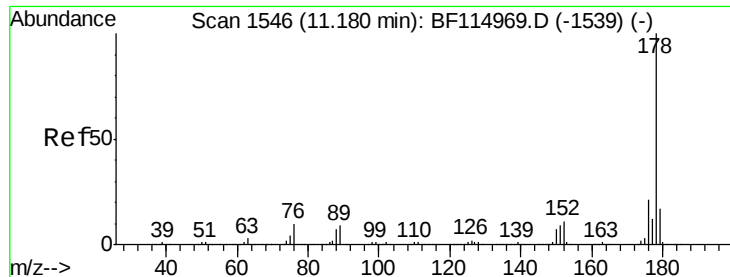
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

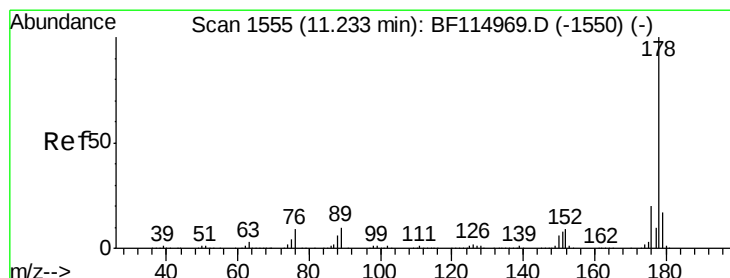
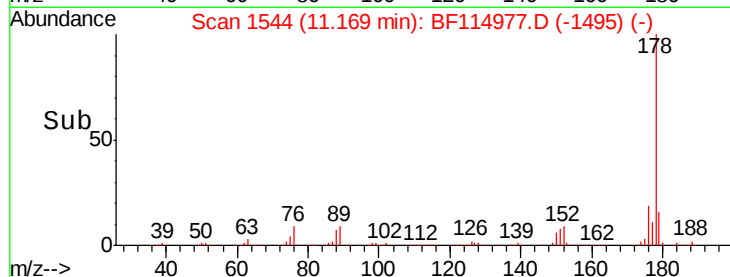
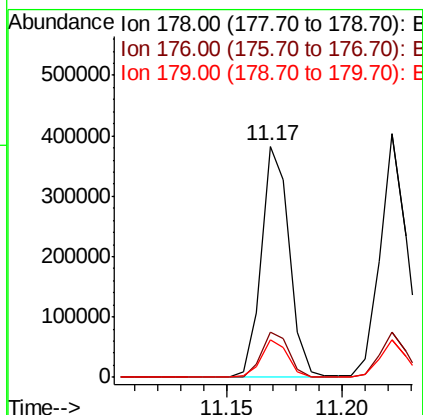
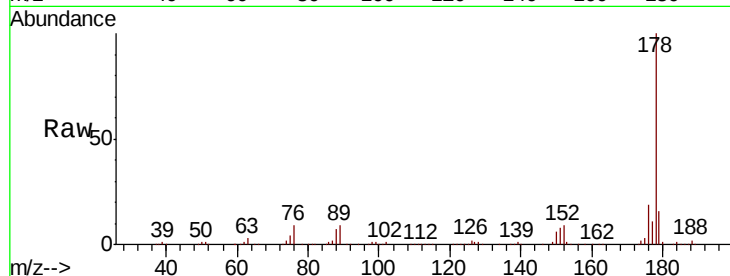




#71
Phenanthrene
Concen: 5.974 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

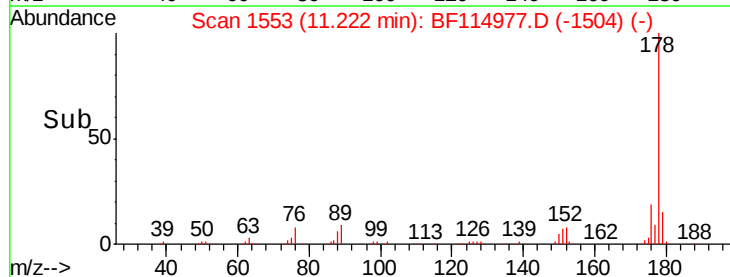
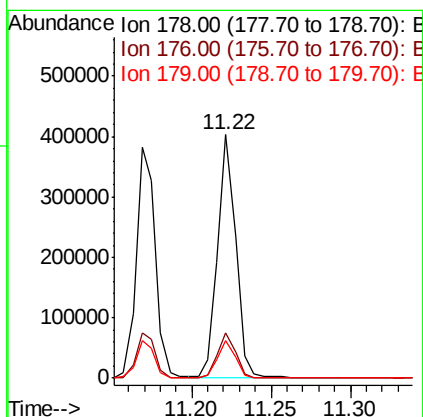
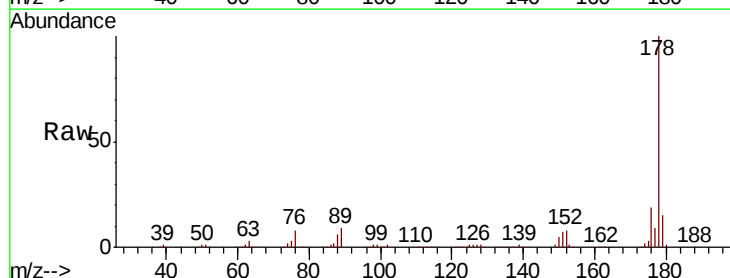
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

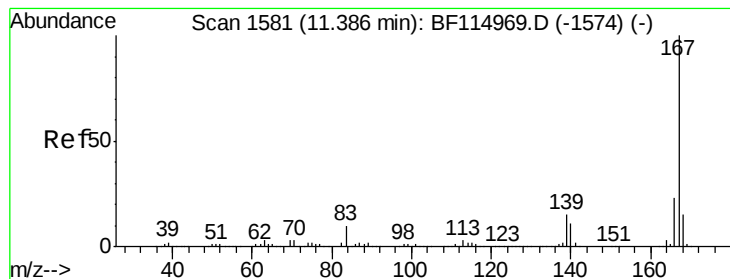
Tgt Ion:178 Resp: 323633
Ion Ratio Lower Upper
178 100
176 19.5 16.9 25.3
179 16.1 13.4 20.0



#72
Anthracene
Concen: 5.913 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:178 Resp: 323198
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.5 13.2 19.8





#73

Carbazole

Concen: 6.106 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

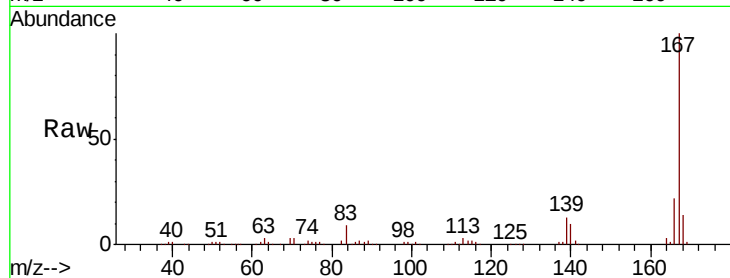
Tgt Ion:167 Resp: 291288

Ion Ratio Lower Upper

167 100

166 21.6 18.5 27.7

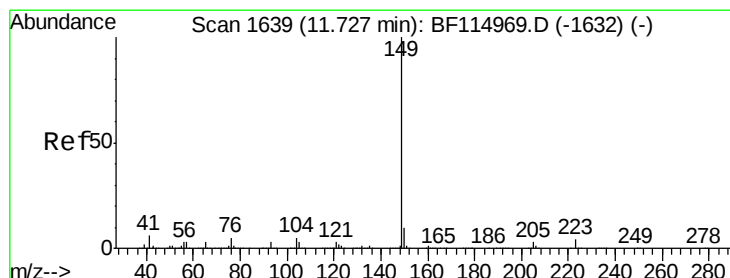
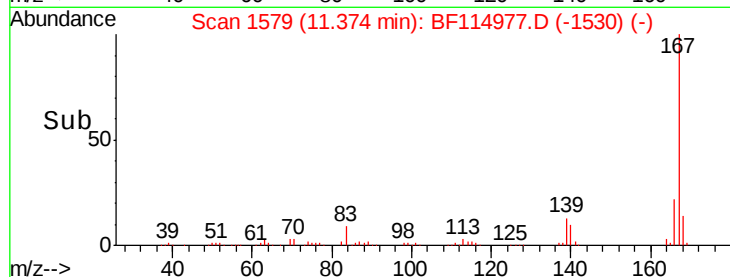
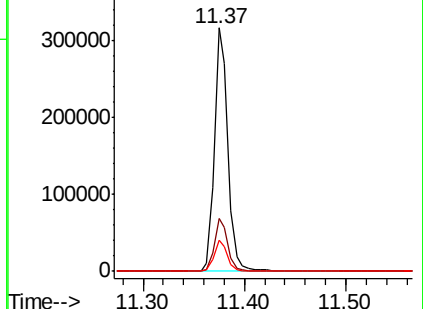
139 13.0 12.0 18.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 5.565 ng

RT: 11.72 min Scan# 1638

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

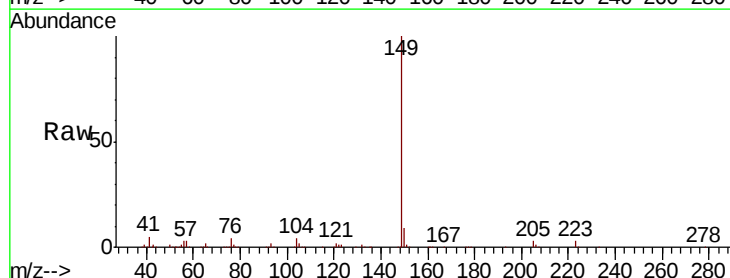
Tgt Ion:149 Resp: 334680

Ion Ratio Lower Upper

149 100

150 8.8 8.1 12.1

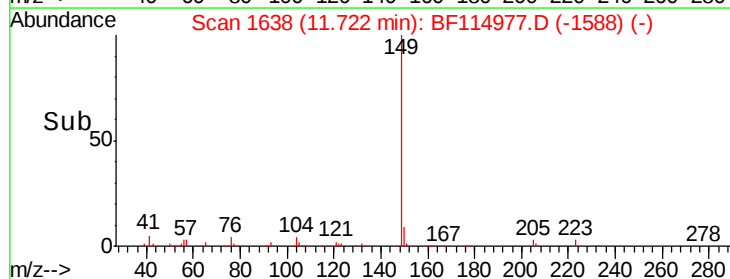
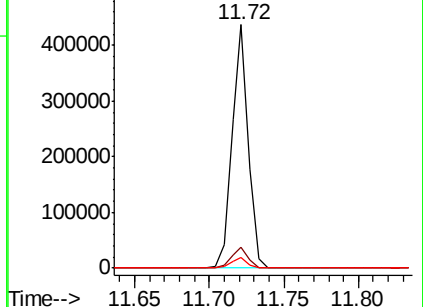
104 4.1 4.0 6.0

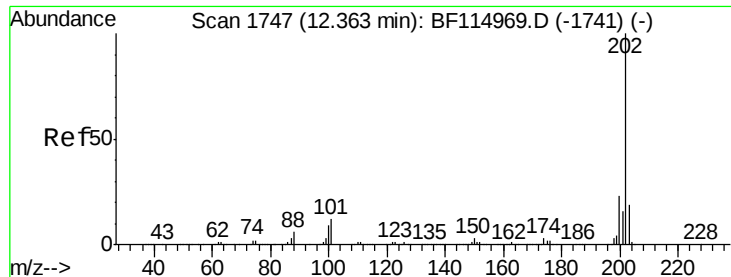


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.957 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

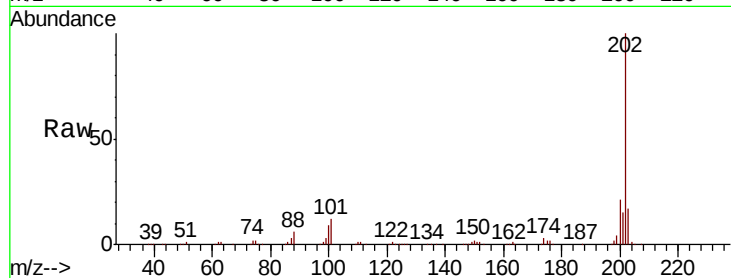
Tgt Ion: 202 Resp: 330035

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

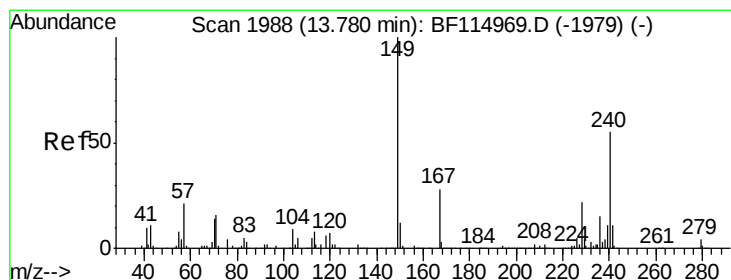
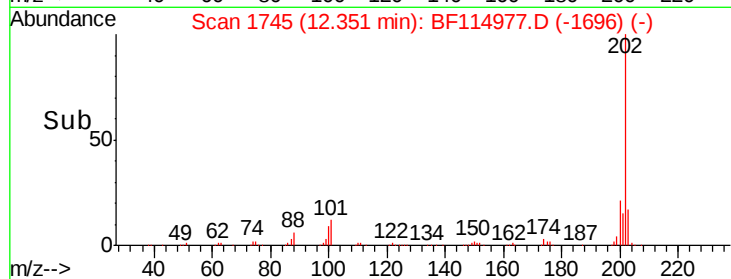
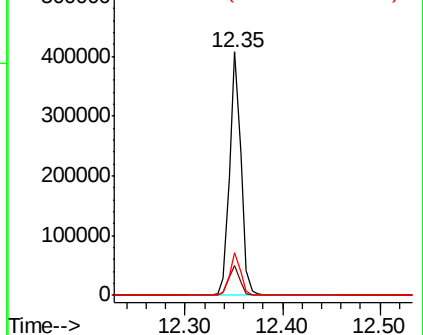
203 17.3 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

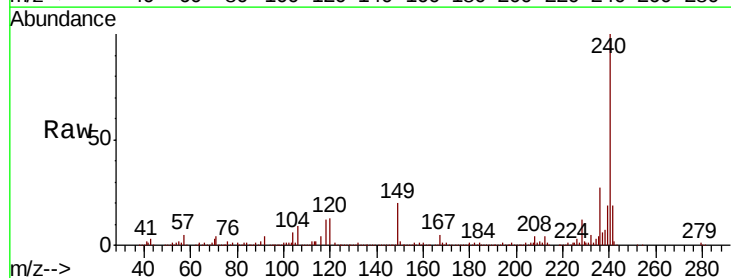
Tgt Ion: 240 Resp: 763485

Ion Ratio Lower Upper

240 100

120 13.5 10.0 15.0

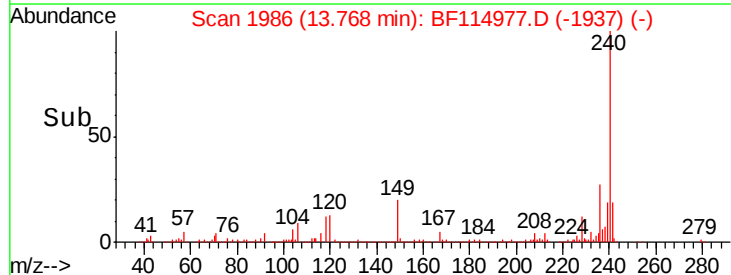
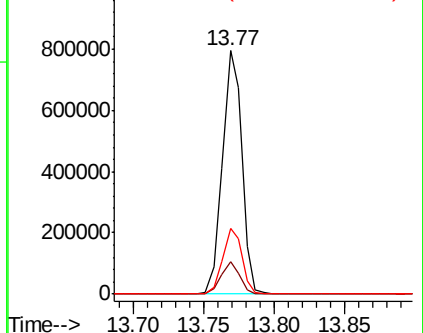
236 26.9 21.6 32.4

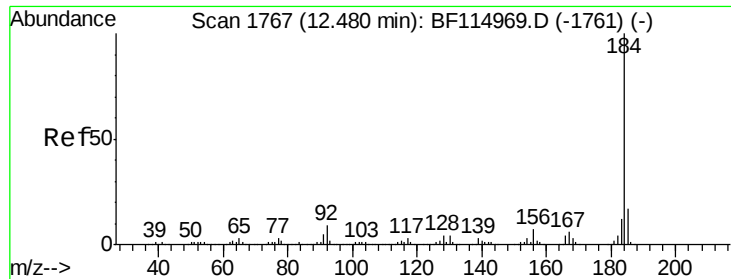


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.989 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

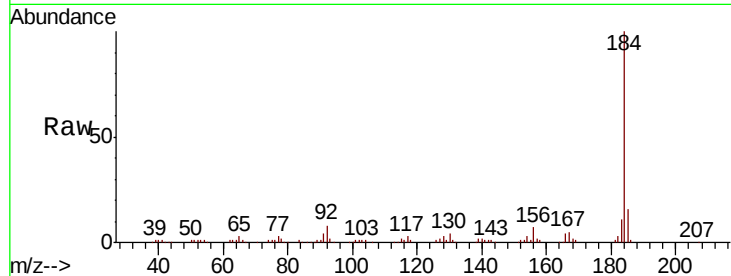
Tgt Ion:184 Resp: 123184

Ion Ratio Lower Upper

184 100

185 15.8 13.4 20.0

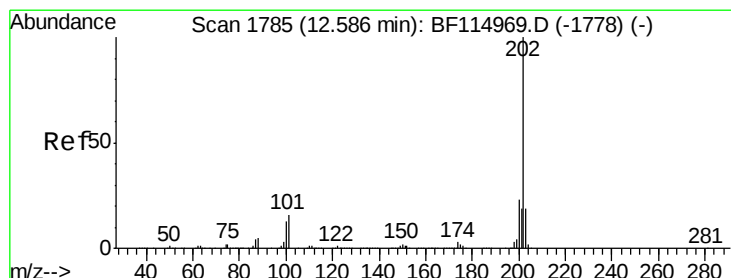
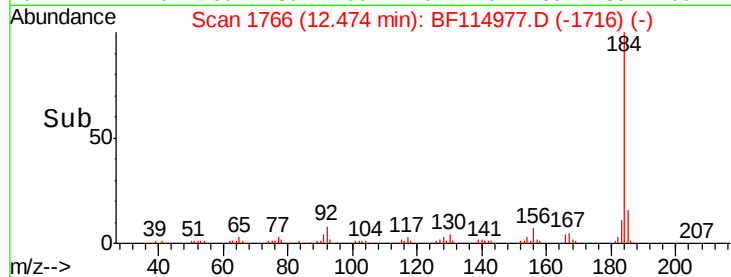
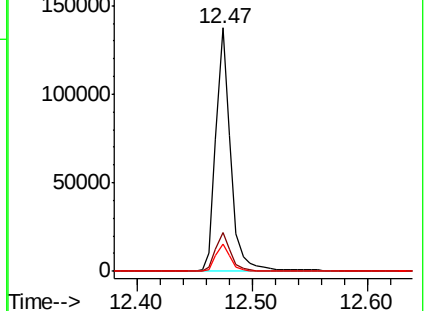
183 11.4 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 4.869 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

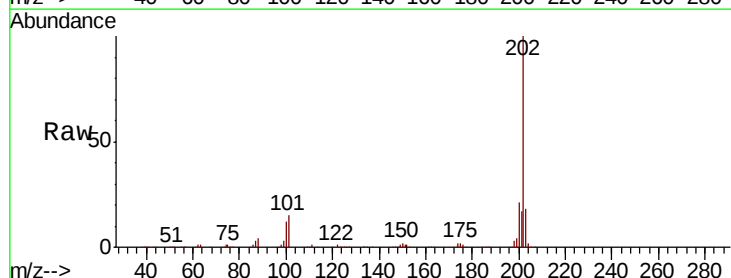
Tgt Ion:202 Resp: 338648

Ion Ratio Lower Upper

202 100

200 20.7 18.4 27.6

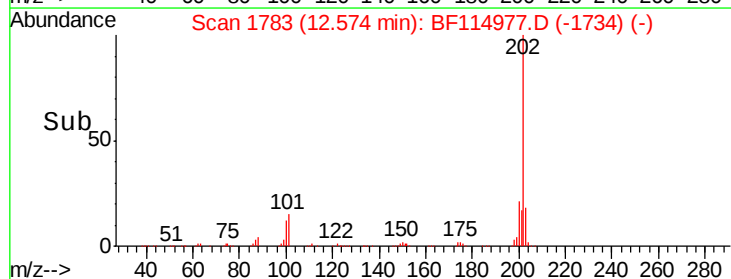
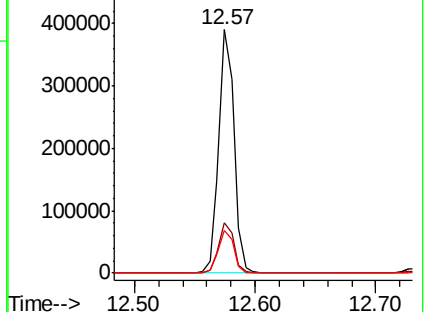
203 17.7 14.9 22.3

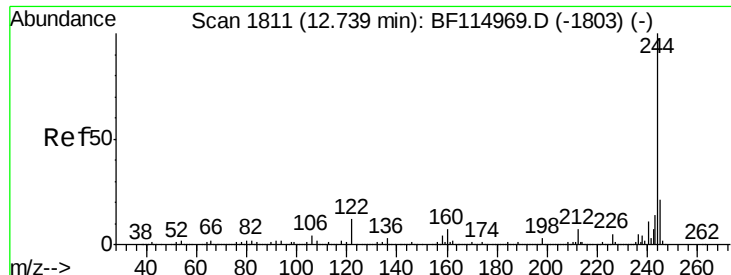


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

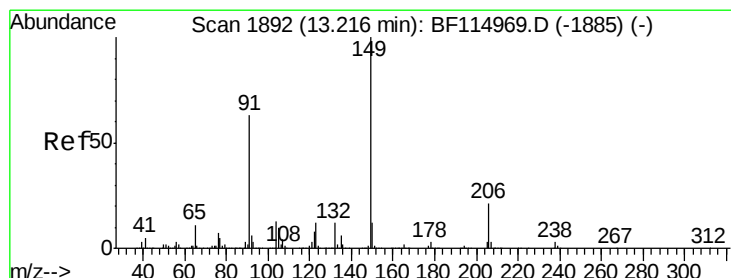
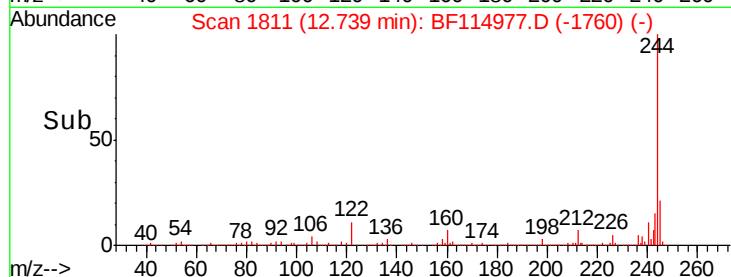
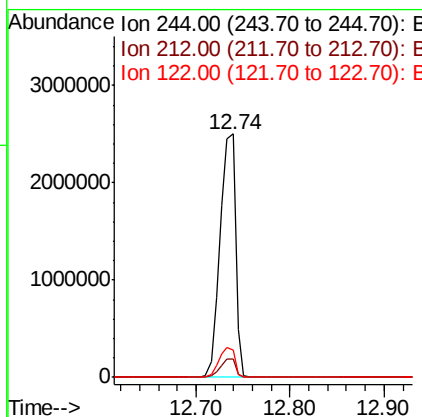
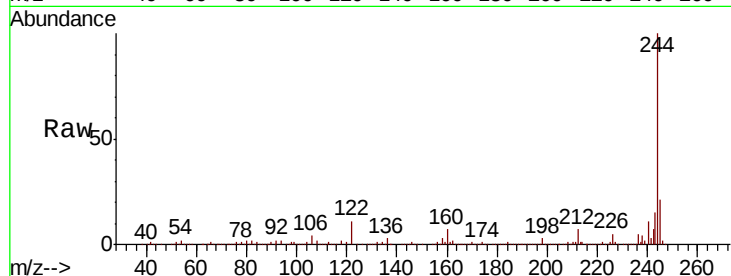




#79
 Terphenyl-d14
 Concen: 72.055 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

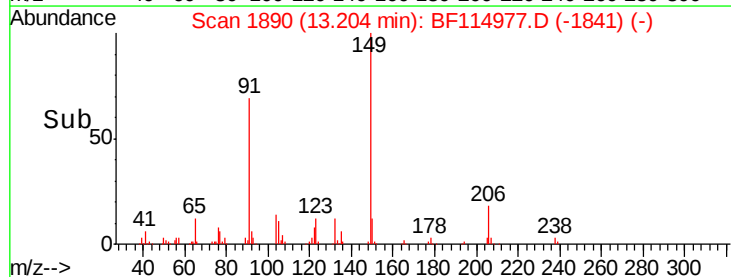
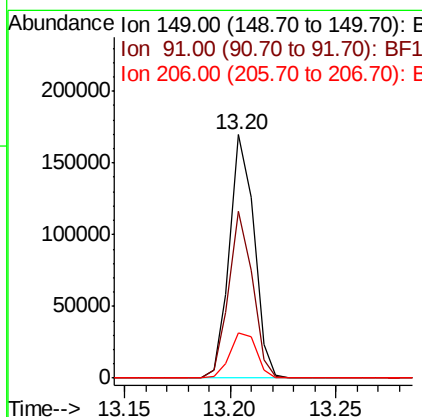
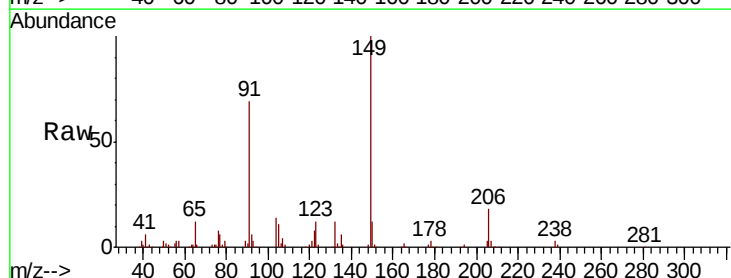
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

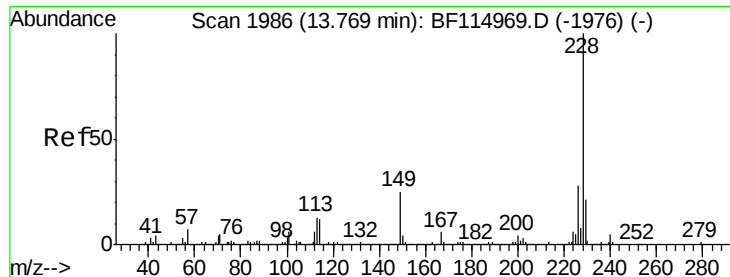
Tgt Ion: 244 Resp: 2924858
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 11.1 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 4.205 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BF114977.D
 Acq: 12 Jun 2019 16:24

Tgt Ion: 149 Resp: 136610
 Ion Ratio Lower Upper
 149 100
 91 68.6 50.6 76.0
 206 18.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 5.149 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

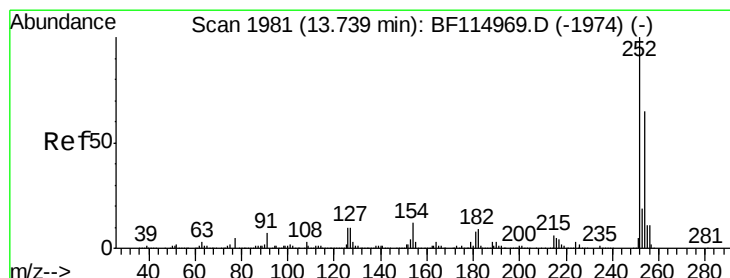
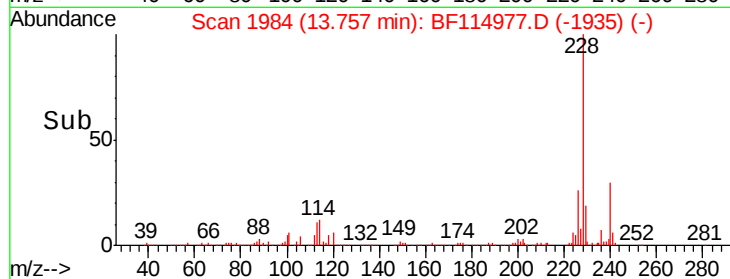
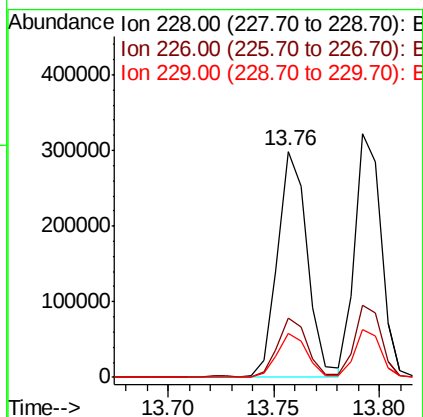
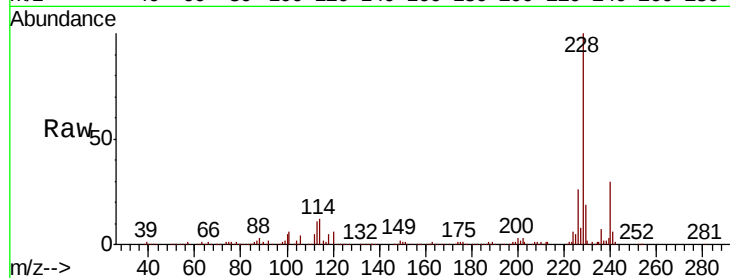
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	228	Resp:	294173
Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.0	33.0
229	19.3	16.6	25.0



#82

3,3'-Dichlorobenzidine

Concen: 4.567 ng

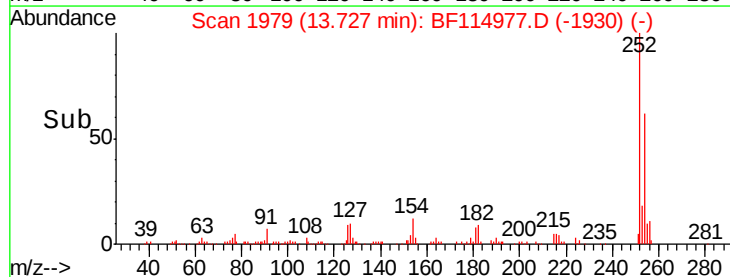
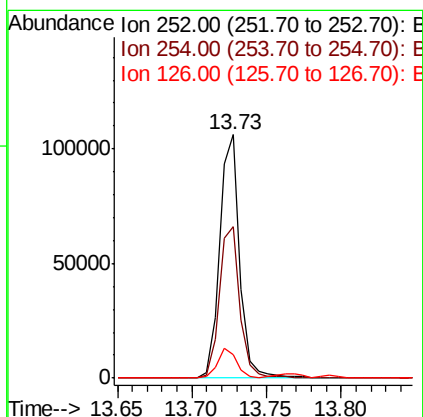
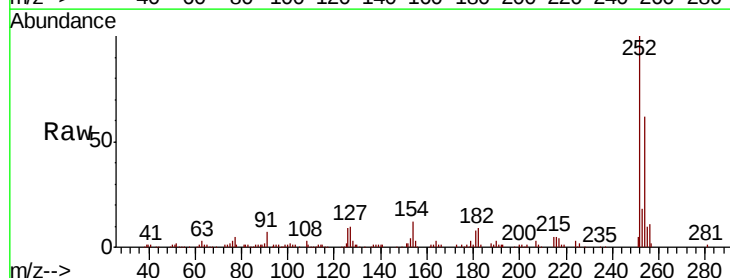
RT: 13.73 min Scan# 1979

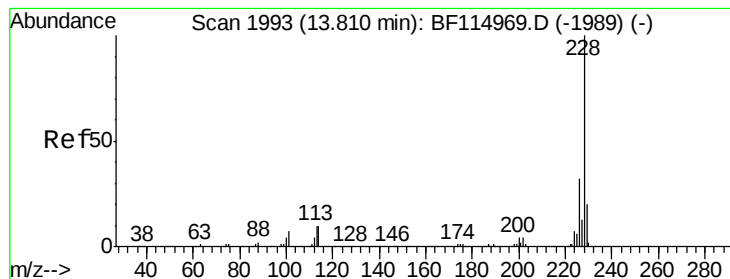
Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Tgt Ion:	252	Resp:	100039
Ion	Ratio	Lower	Upper
252	100		
254	62.0	52.2	78.4
126	9.4	8.0	12.0





#83

Chrysene

Concen: 4.997 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

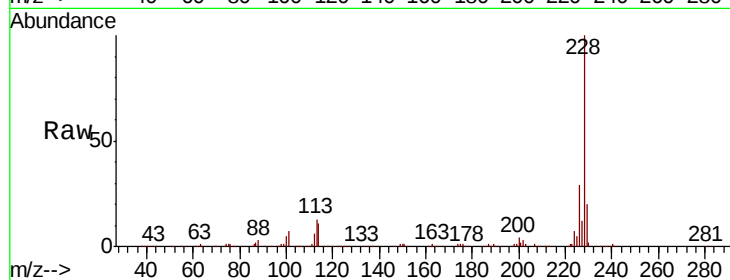
Tgt Ion:228 Resp: 283919

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

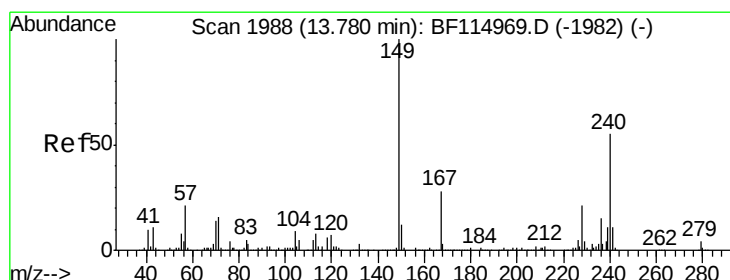
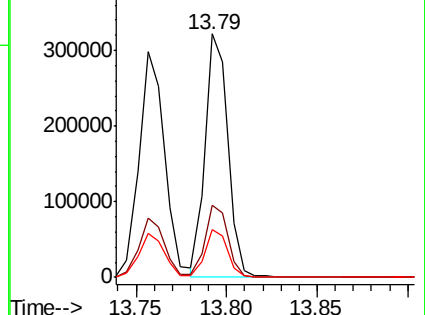
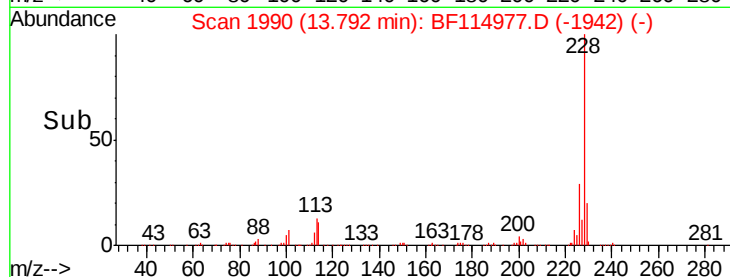
229 19.7 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.724 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

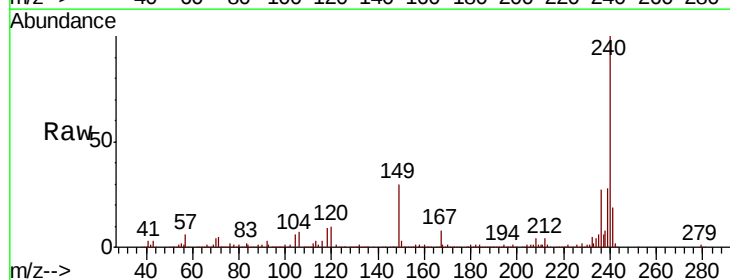
Tgt Ion:149 Resp: 181396

Ion Ratio Lower Upper

149 100

167 28.4 22.2 33.4

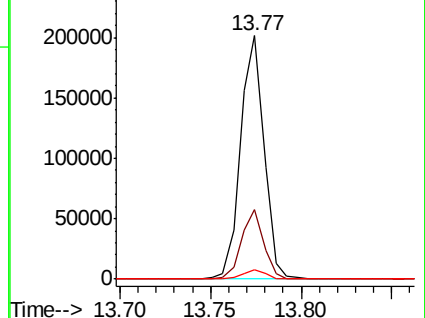
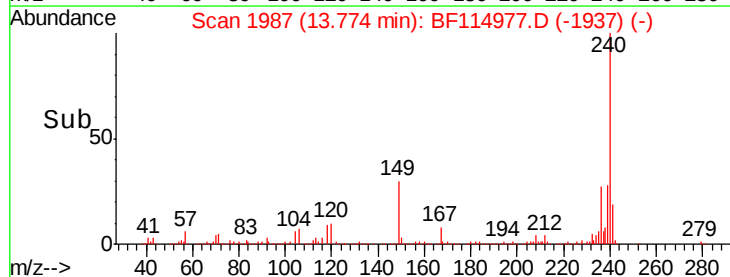
279 3.8 3.4 5.0

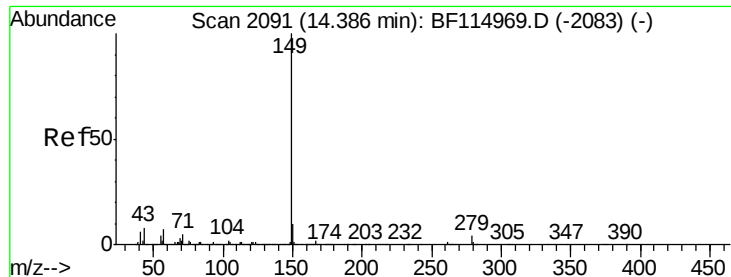


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.858 ng

RT: 14.39 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

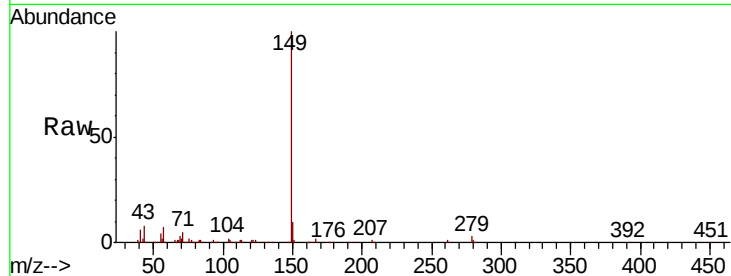
Tgt Ion:149 Resp: 321208

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

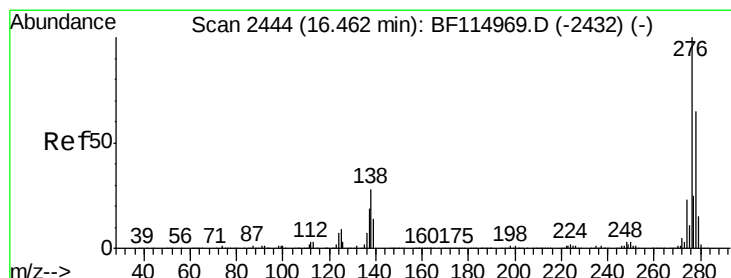
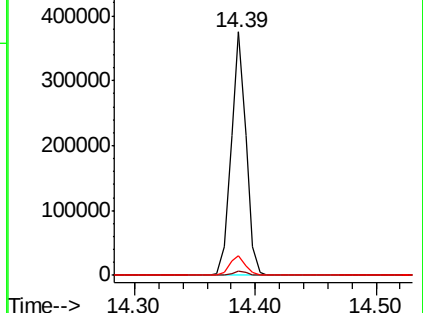
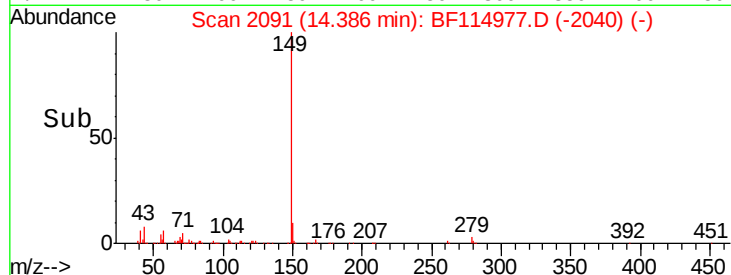
43 8.1 6.5 9.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.403 ng

RT: 16.46 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

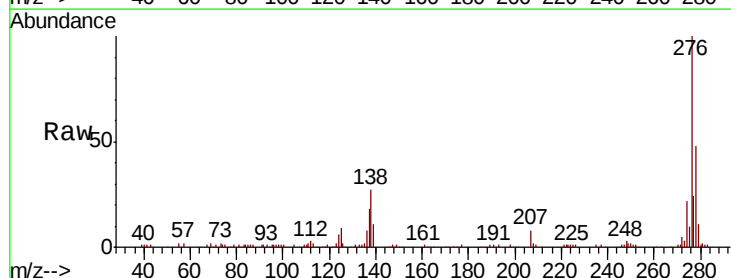
Tgt Ion:276 Resp: 219744

Ion Ratio Lower Upper

276 100

138 29.3 23.0 34.4

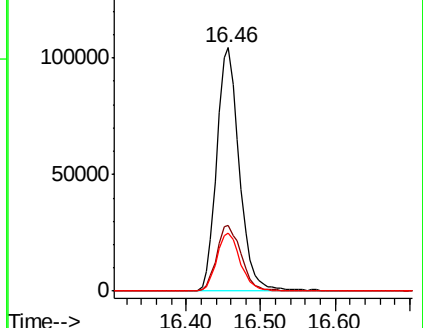
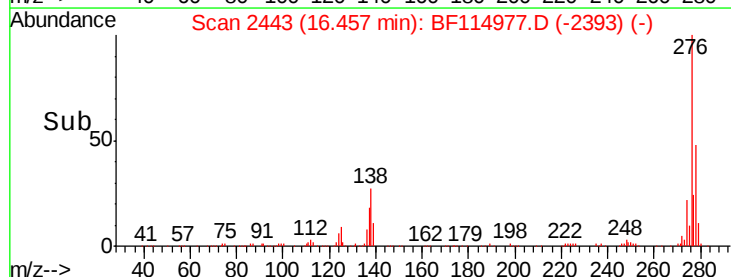
277 24.8 20.6 30.8

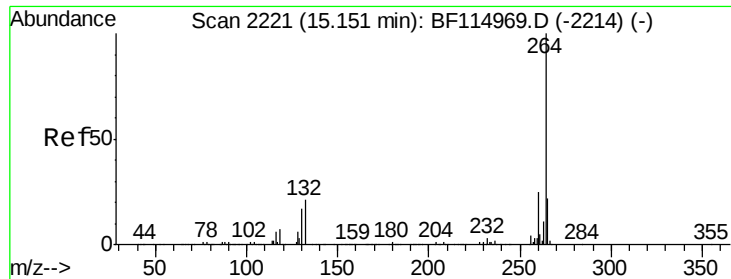


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

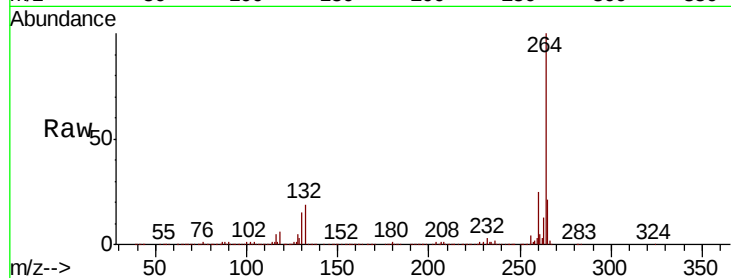
Tgt Ion:264 Resp: 728046

Ion Ratio Lower Upper

264 100

260 24.5 19.9 29.9

265 21.3 17.6 26.4

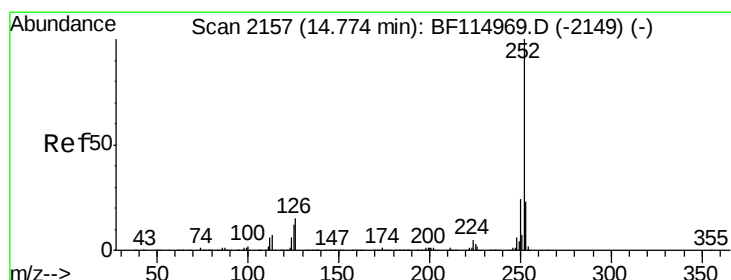
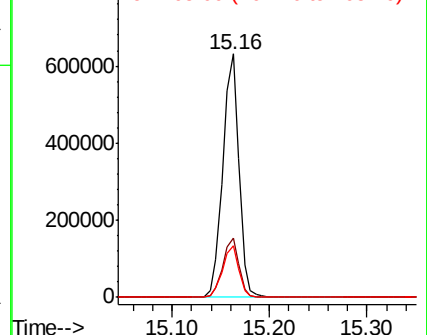
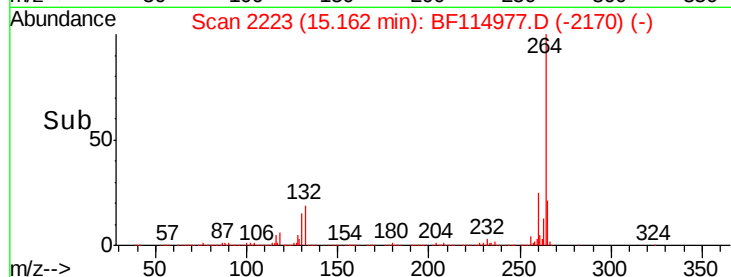


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.177 ng

RT: 14.77 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

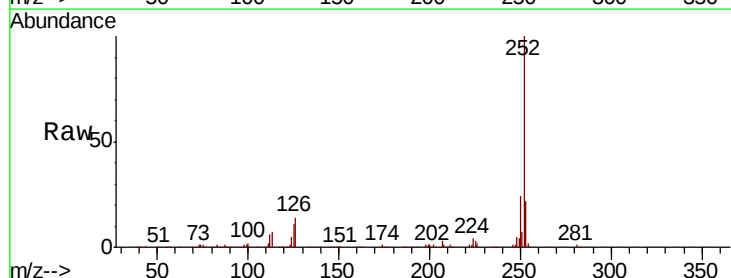
Tgt Ion:252 Resp: 250544

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 11.4 9.4 14.0

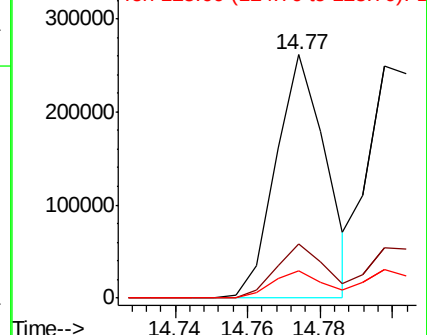
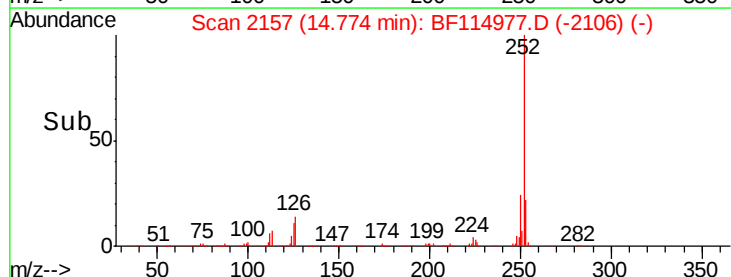


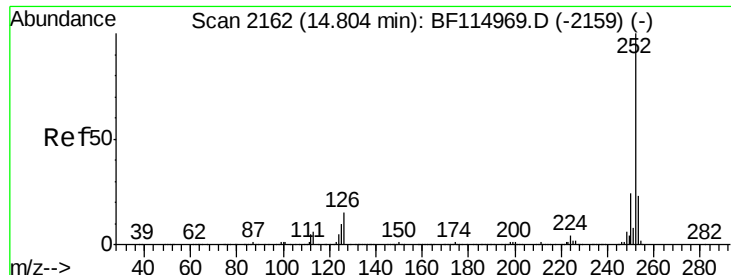
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

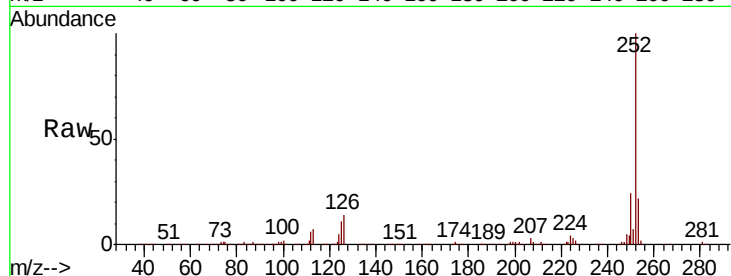




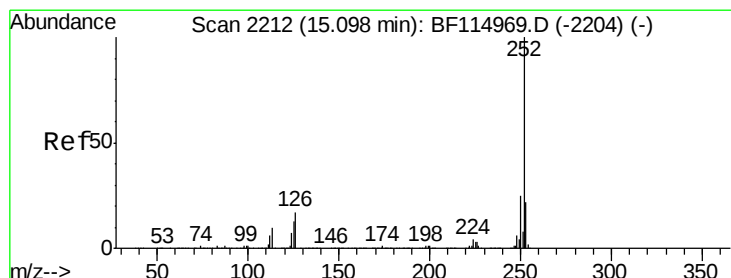
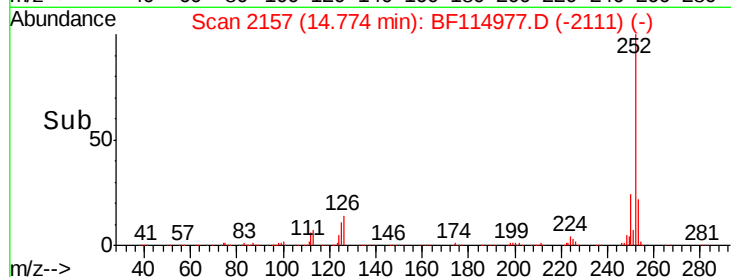
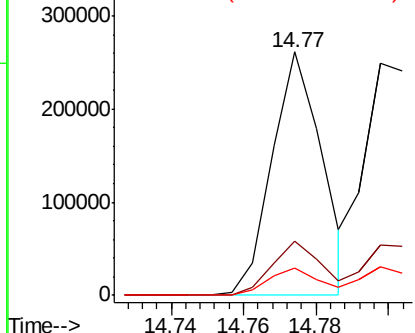
#89
Benzo(k)fluoranthene
Concen: 5.898 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.03 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:252 Resp: 250544
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 11.4 8.2 12.4

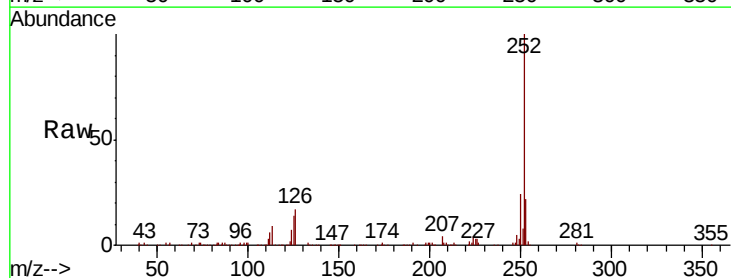


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

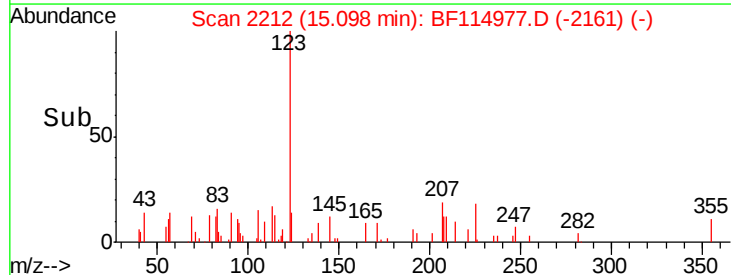
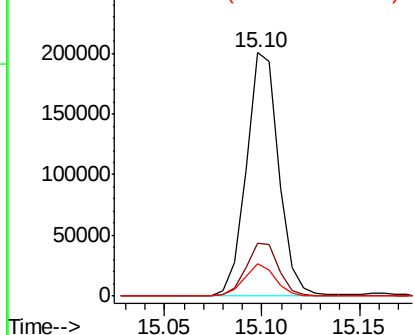


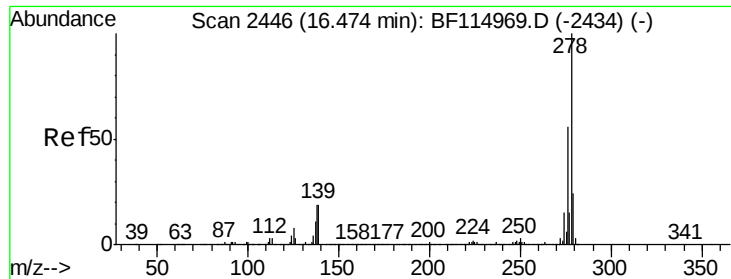
#90
Benzo(a)pyrene
Concen: 5.523 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114977.D
Acq: 12 Jun 2019 16:24

Tgt Ion:252 Resp: 230646
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 13.5 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.156 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

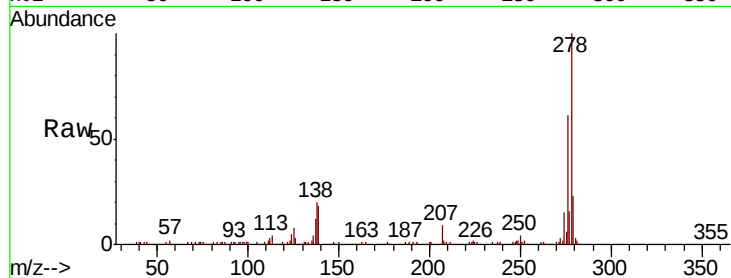
Tgt Ion: 278 Resp: 185444

Ion Ratio Lower Upper

278 100

139 18.2 15.3 22.9

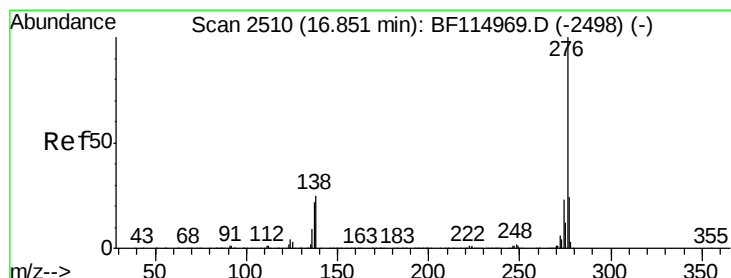
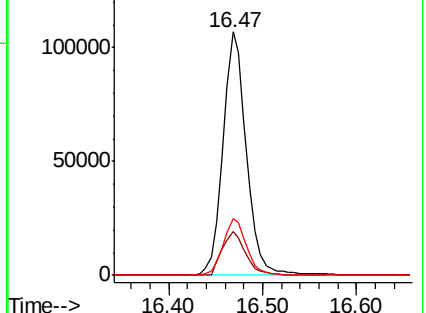
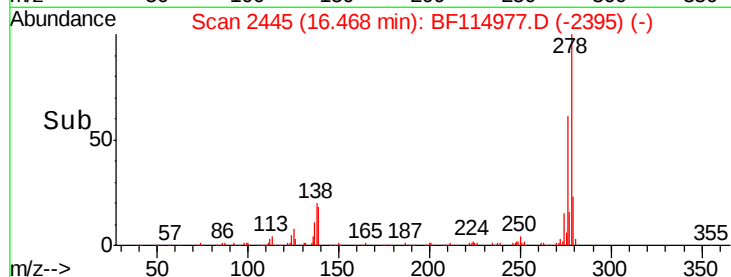
279 23.2 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.887 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF114977.D

Acq: 12 Jun 2019 16:24

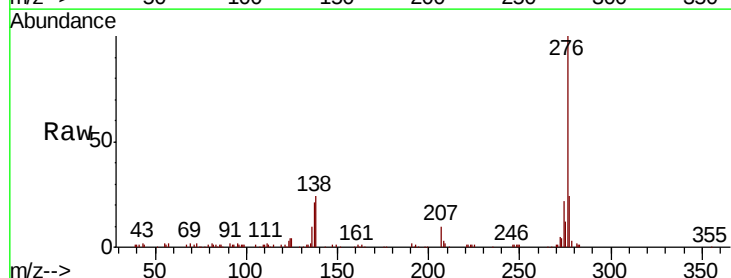
Tgt Ion: 276 Resp: 179267

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 24.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

