

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061219\
 Data File : BF114978.D
 Acq On : 12 Jun 2019 16:51
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 13 02:08:28 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	288532	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1124837	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	554420	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1087696	20.00	ng	0.00
76) Chrysene-d12	13.77	240	784425	20.00	ng	-0.01
87) Perylene-d12	15.16	264	750344	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1720554	99.57	ng	0.00
7) Phenol-d6	6.29	99	2156992	103.48	ng	0.00
23) Nitrobenzene-d5	7.21	82	1325681	70.94	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	631295	106.33	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2361002	72.17	ng	0.00
79) Terphenyl-d14	12.73	244	2610761	62.60	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	56333	6.965	ng	99
3) Pyridine	3.02	79	137185	6.024	ng	96
4) n-Nitrosodimethylamine	2.88	42	51740	6.400	ng	# 97
6) Aniline	6.31	93	206662	7.403	ng	# 85
8) 2-Chlorophenol	6.43	128	147746	7.541	ng	99
9) Benzaldehyde	6.19	77	119938	4.360	ng	98
10) Phenol	6.30	94	183331	7.861	ng	86
11) bis(2-Chloroethyl)ether	6.39	93	132242	7.306	ng	99
12) 1,3-Dichlorobenzene	6.59	146	167859	7.335	ng	97
13) 1,4-Dichlorobenzene	6.66	146	171805	7.467	ng	97
14) 1,2-Dichlorobenzene	6.82	146	160910	7.428	ng	99
15) Benzyl Alcohol	6.79	79	133688	8.560	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.93	45	179705	7.418	ng	98
17) 2-Methylphenol	6.91	107	122539	7.498	ng	96
18) Hexachloroethane	7.16	117	58052	6.987	ng	94
19) n-Nitroso-di-n-propylamine	7.06	70	98449	7.774	ng	97
20) 3+4-Methylphenols	7.06	107	157123	8.078	ng	96
22) Acetophenone	7.06	105	211454	8.304	ng	# 96
24) Nitrobenzene	7.23	77	154616	8.132	ng	95
25) Isophorone	7.47	82	272843	7.795	ng	99
26) 2-Nitrophenol	7.55	139	79078	7.462	ng	95
27) 2,4-Dimethylphenol	7.59	122	112073	7.331	ng	98
28) bis(2-Chloroethoxy)methane	7.68	93	172417	7.678	ng	99
29) 2,4-Dichlorophenol	7.79	162	126532	7.834	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	143733	7.702	ng	99
31) Naphthalene	7.95	128	462337	8.687	ng	97
32) Benzoic acid	7.67	122	53234	4.812	ng	95
33) 4-Chloroaniline	8.00	127	189116	7.698	ng	97
34) Hexachlorobutadiene	8.07	225	78063	7.526	ng	99
35) Caprolactam	8.33	113	39914	7.420	ng	99
36) 4-Chloro-3-methylphenol	8.48	107	128692	7.907	ng	95
37) 2-Methylnaphthalene	8.64	142	310649	8.751	ng	97
38) 1-Methylnaphthalene	8.74	142	294721	8.785	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.80	216	134425	8.207	ng	99

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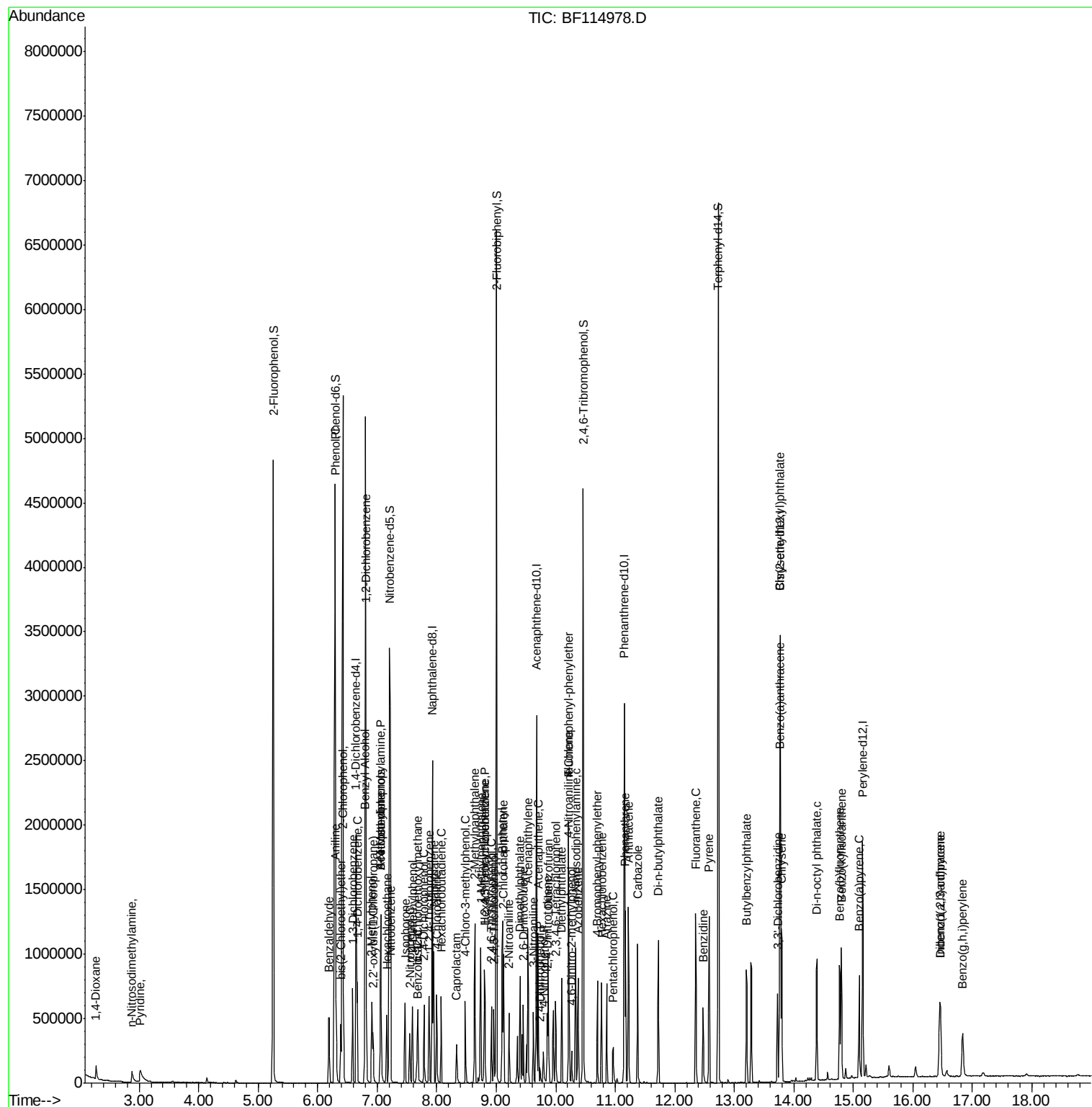
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	39820	4.934	ng	98
43) 2,4,6-Trichlorophenol	8.92	196	87842	7.180	ng	98
44) 2,4,5-Trichlorophenol	8.96	196	93200	7.538	ng	97
46) 1,1'-Biphenyl	9.10	154	376849	8.482	ng	96
47) 2-Chloronaphthalene	9.12	162	288845	8.040	ng	98
48) 2-Nitroaniline	9.22	65	74454	7.011	ng	98
49) Acenaphthylene	9.53	152	471243	8.531	ng	97
50) Dimethylphthalate	9.40	163	328915	7.889	ng	99
51) 2,6-Dinitrotoluene	9.46	165	72844	7.702	ng #	83
52) Acenaphthene	9.71	154	271037	8.576	ng	98
53) 3-Nitroaniline	9.62	138	81551	7.038	ng	97
54) 2,4-Dinitrophenol	9.73	184	21642	4.718	ng	96
55) Dibenzofuran	9.87	168	408736	8.582	ng	97
56) 4-Nitrophenol	9.79	139	51733	6.474	ng	91
57) 2,4-Dinitrotoluene	9.86	165	95295	7.916	ng	96
58) Fluorene	10.22	166	313399	2.486	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	75646	7.575	ng	99
60) Diethylphthalate	10.10	149	321531	8.065	ng	98
61) 4-Chlorophenyl-phenylether	10.22	204	149434	2.289	ng	94
62) 4-Nitroaniline	10.23	138	80858	6.940	ng	96
63) Azobenzene	10.37	77	288185	8.263	ng	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	37480	6.148	ng	90
66) n-Nitrosodiphenylamine	10.33	169	272313	8.375	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	92460	7.917	ng	92
68) Hexachlorobenzene	10.77	284	100060	7.782	ng #	91
69) Atrazine	10.86	200	84528	8.064	ng	98
70) Pentachlorophenol	10.96	266	43306	6.202	ng	98
71) Phenanthrene	11.17	178	480584	8.558	ng	98
72) Anthracene	11.22	178	488050	8.614	ng	97
73) Carbazole	11.37	167	435467	8.806	ng	95
74) Di-n-butylphthalate	11.72	149	508742	8.161	ng	98
75) Fluoranthene	12.35	202	490433	8.540	ng	98
77) Benzidine	12.47	184	217863	6.867	ng	98
78) Pyrene	12.57	202	505448	7.073	ng	97
80) Butylbenzylphthalate	13.20	149	212231	6.359	ng	93
81) Benzo(a)anthracene	13.76	228	434125	7.396	ng	98
82) 3,3'-Dichlorobenzidine	13.73	252	154960	6.886	ng	98
83) Chrysene	13.79	228	420868	7.210	ng	96
84) Bis(2-ethylhexyl)phthalate	13.77	149	274682	6.963	ng	99
85) Di-n-octyl phthalate	14.39	149	485257	7.143	ng	99
86) Indeno(1,2,3-cd)pyrene	16.45	276	327369	6.385	ng	99
88) Benzo(b)fluoranthene	14.77	252	395126	7.922	ng	99
89) Benzo(k)fluoranthene	14.80	252	355438	8.118	ng	98
90) Benzo(a)pyrene	15.10	252	342740	7.963	ng	98
91) Dibenzo(a,h)anthracene	16.46	278	273760	7.386	ng	100
92) Benzo(g,h,i)perylene	16.83	276	265327	7.019	ng	100

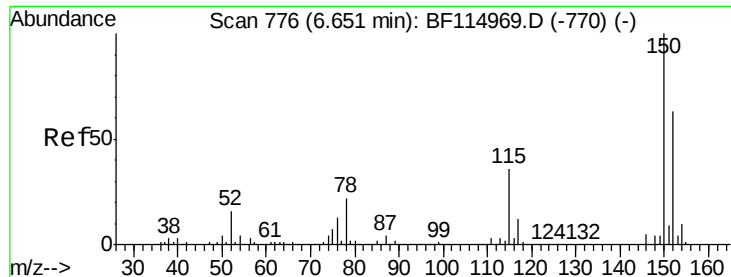
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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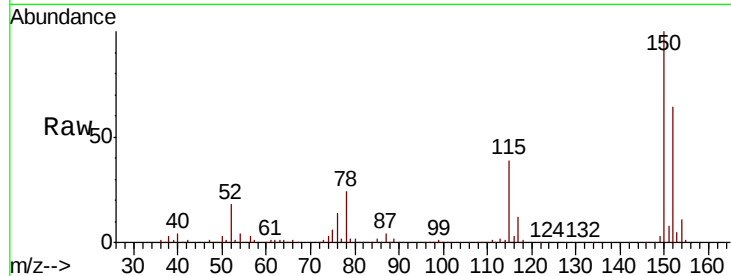


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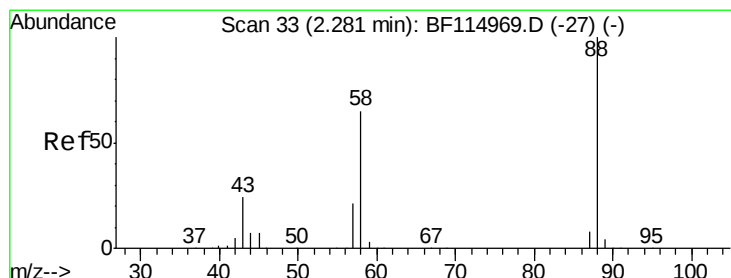
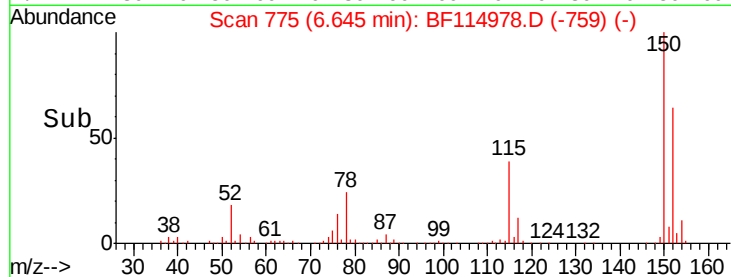
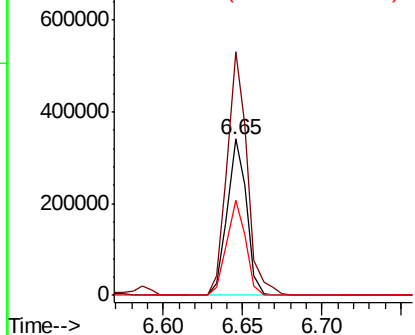
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion: 152 Resp: 288532
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.0
115 60.5 46.0 69.0



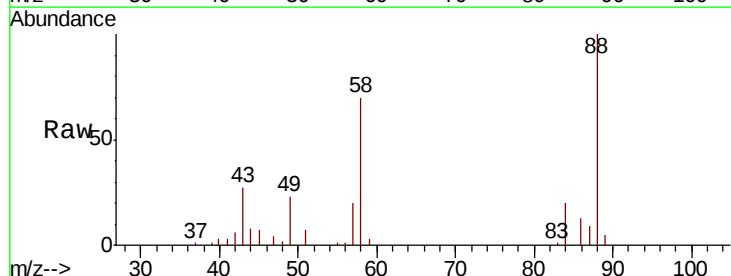
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



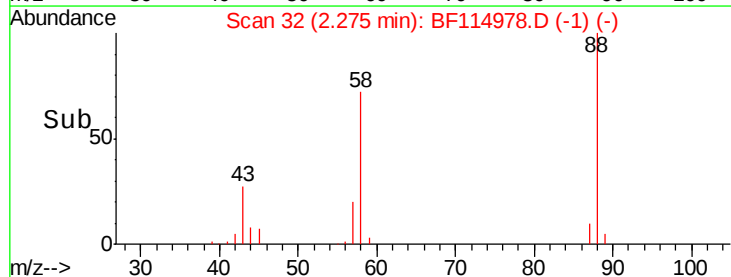
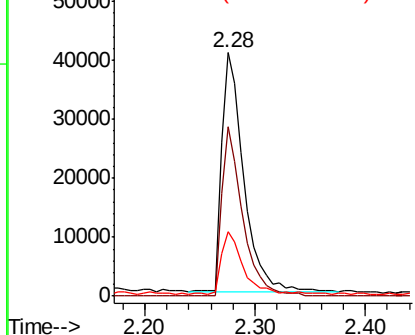
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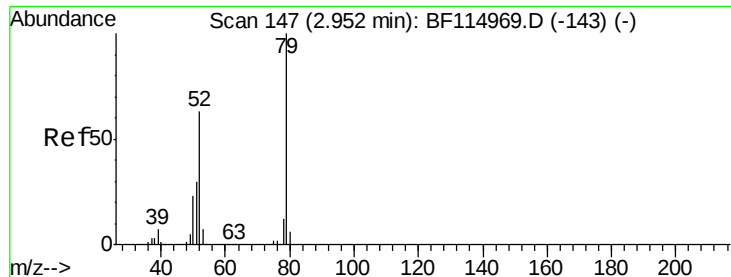
1,4-Dioxane
Concen: 6.965 ng
RT: 2.28 min Scan# 32
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion: 88 Resp: 56333
Ion Ratio Lower Upper
88 100
58 67.5 53.4 80.2
43 24.8 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

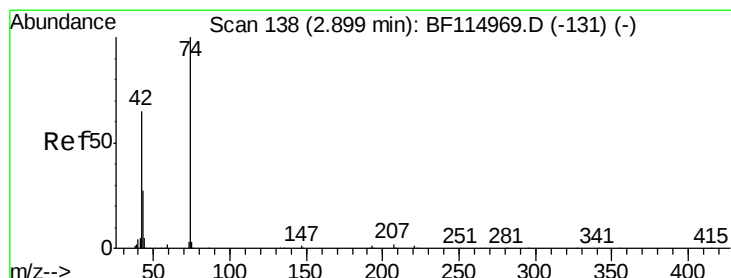
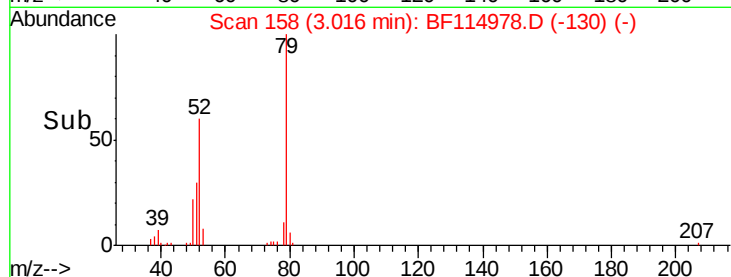
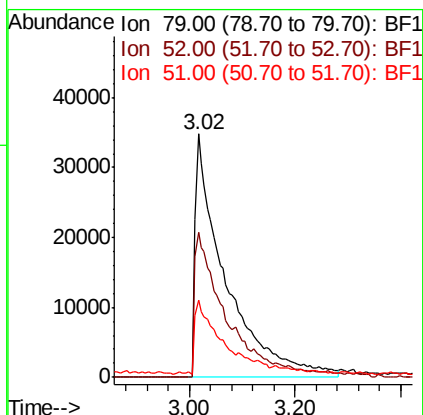
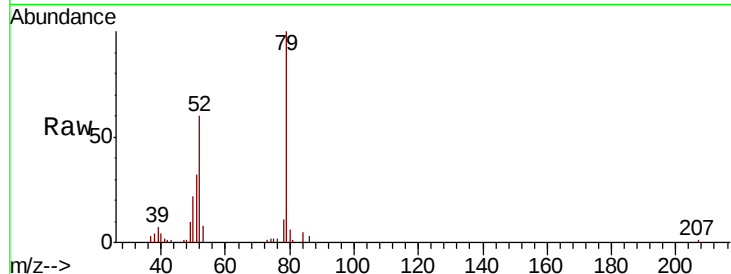




#3
 Pyridine
 Concen: 6.024 ng
 RT: 3.02 min Scan# 158
 Delta R.T. 0.06 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

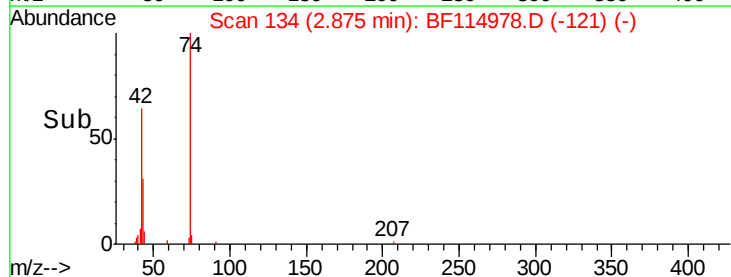
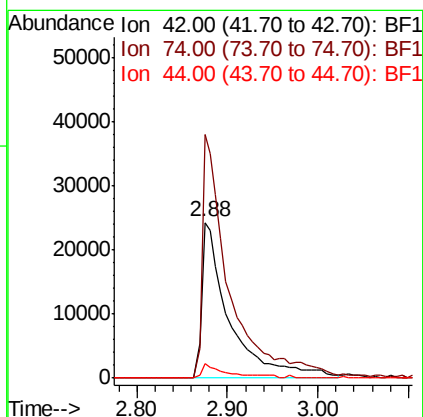
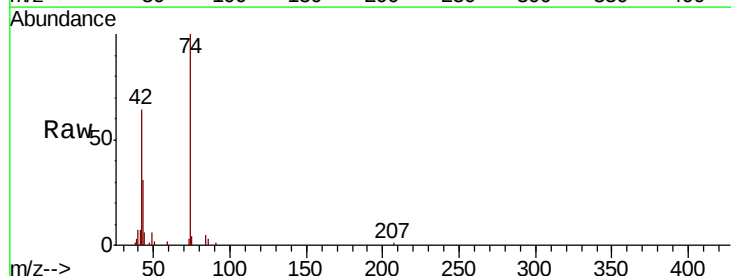
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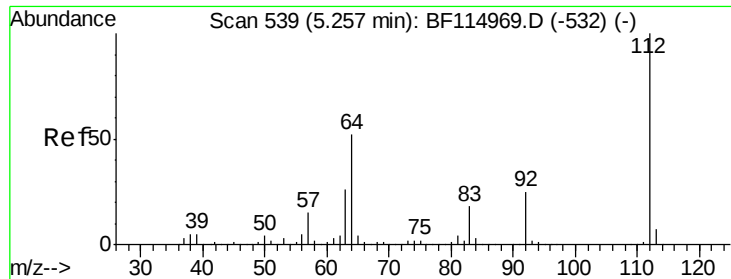
Tgt Ion: 79 Resp: 137185
 Ion Ratio Lower Upper
 79 100
 52 59.6 50.3 75.5
 51 31.8 24.4 36.6



#4
 n-Nitrosodimethylamine
 Concen: 6.400 ng
 RT: 2.88 min Scan# 134
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 42 Resp: 51740
 Ion Ratio Lower Upper
 42 100
 74 156.3 122.2 183.2
 44 9.1 5.8 8.8#





#5

2-Fluorophenol

Concen: 99.572 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

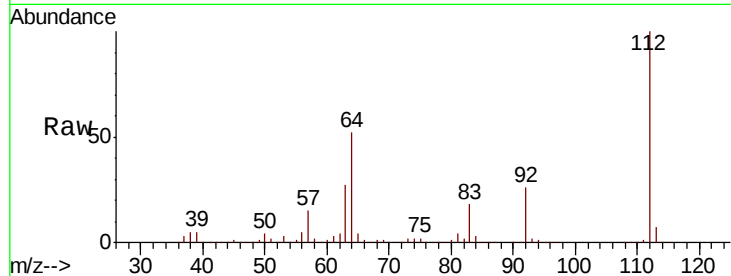
Tgt Ion: 112 Resp: 1720554

Ion Ratio Lower Upper

112 100

64 52.0 41.6 62.4

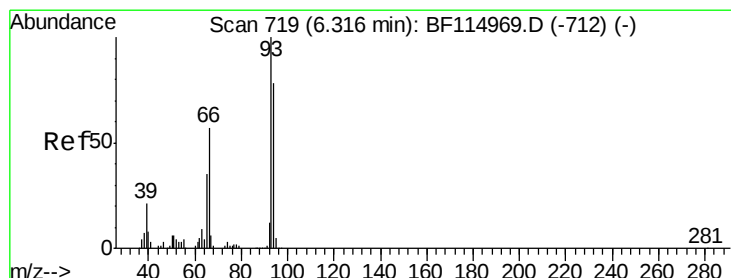
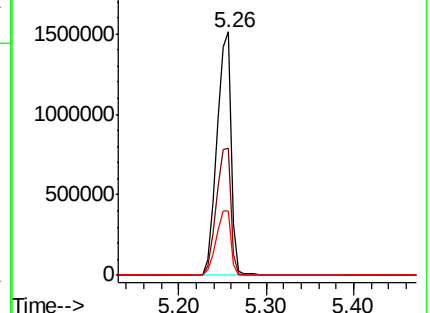
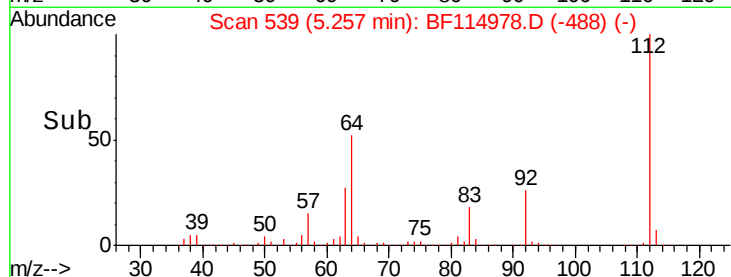
63 26.6 20.9 31.3



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: 7.403 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

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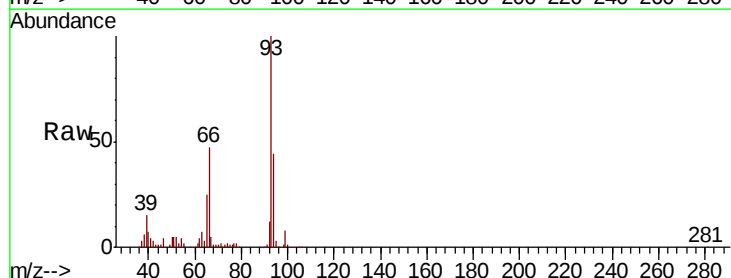
Tgt Ion: 93 Resp: 206662

Ion Ratio Lower Upper

93 100

66 46.6 46.2 69.2

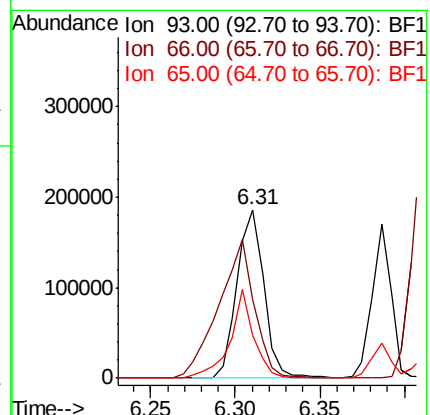
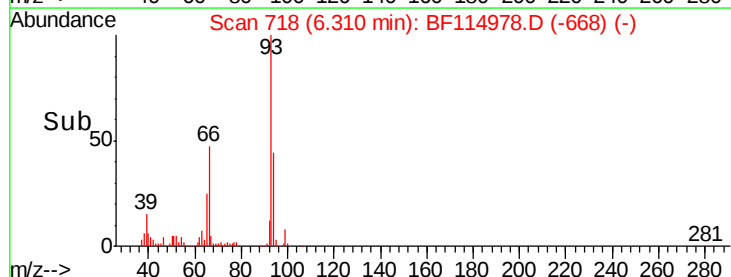
65 25.4 27.7 41.5#

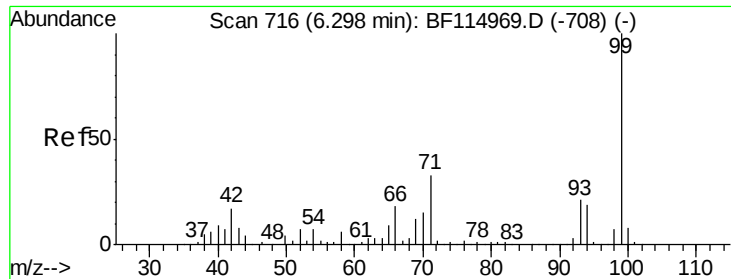


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.482 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

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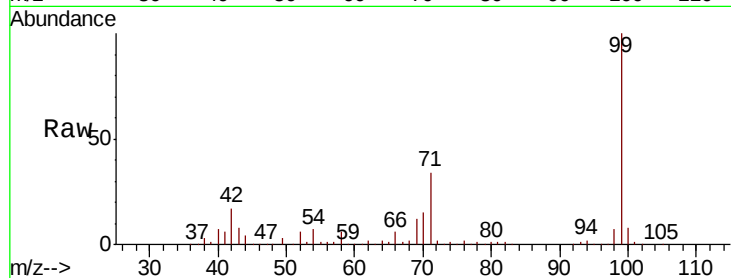
Tgt Ion: 99 Resp: 2156992

Ion Ratio Lower Upper

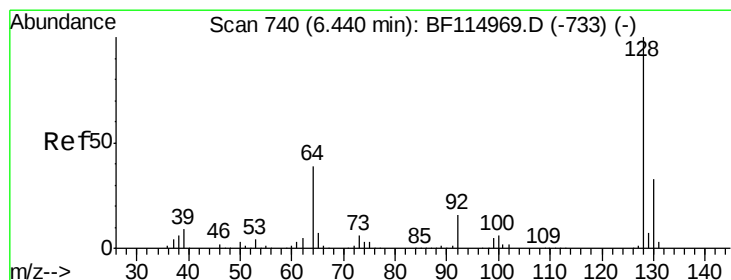
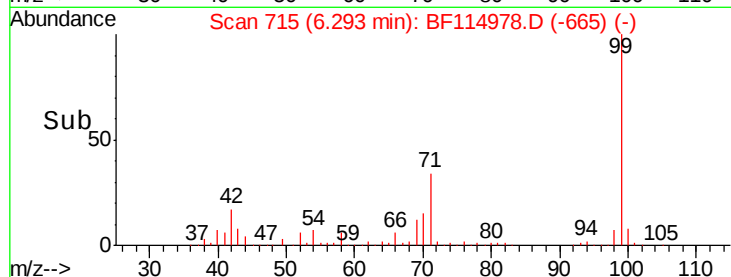
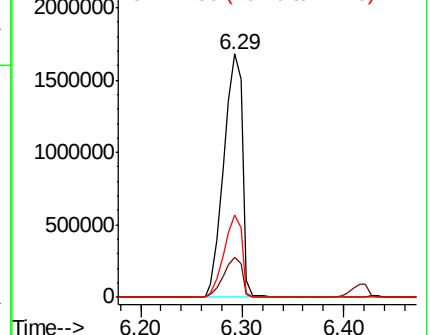
99 100

42 16.7 13.4 20.2

71 33.7 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.541 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

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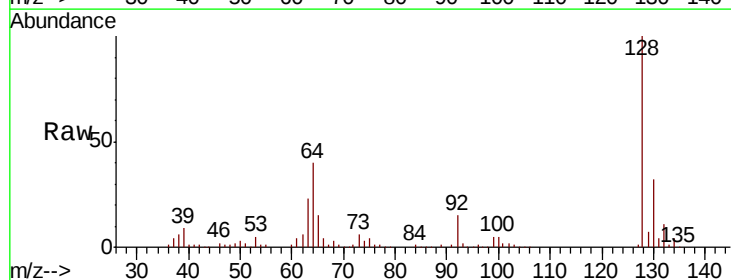
Tgt Ion: 128 Resp: 147746

Ion Ratio Lower Upper

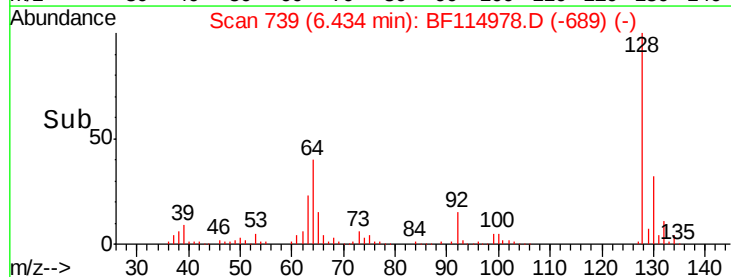
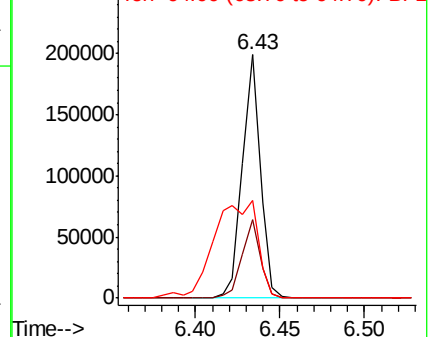
128 100

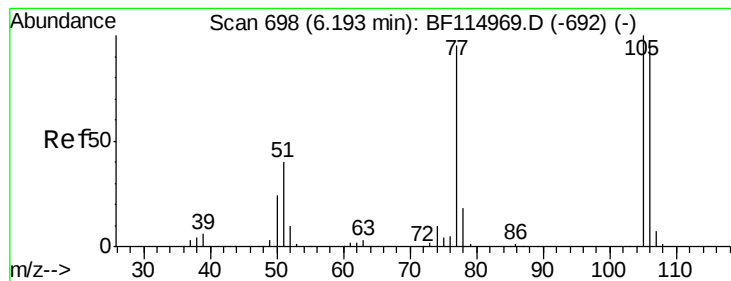
130 32.4 13.4 53.4

64 40.1 20.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 4.360 ng

RT: 6.19 min Scan# 698

Delta R.T. -0.00 min

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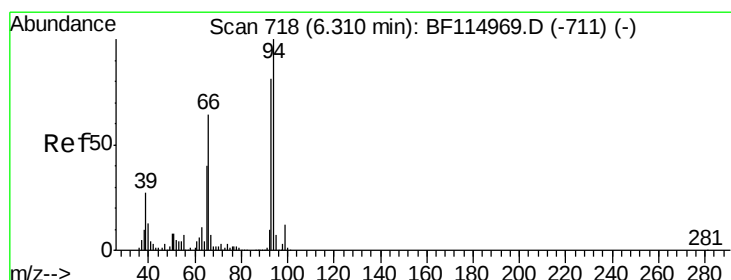
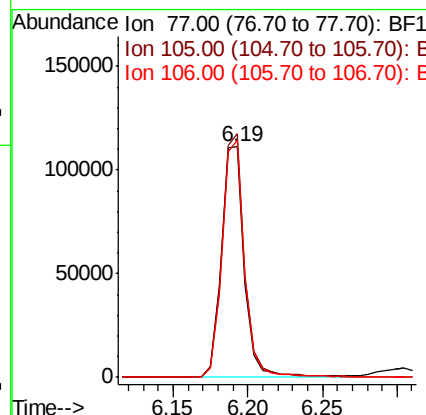
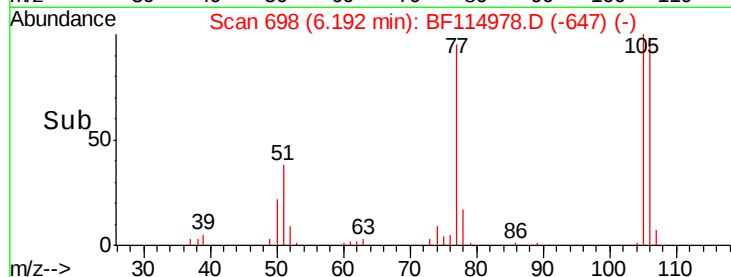
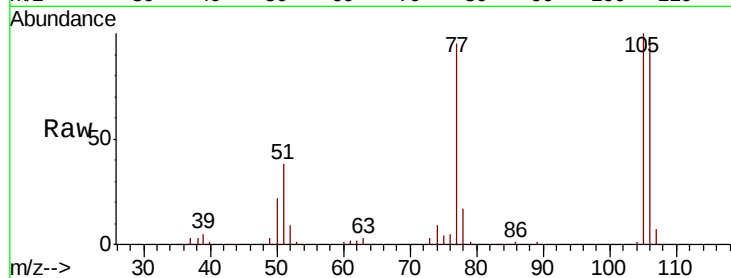
Tgt Ion: 77 Resp: 119938

Ion Ratio Lower Upper

77 100

105 105.6 85.1 125.1

106 102.7 80.0 120.0



#10

Phenol

Concen: 7.861 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

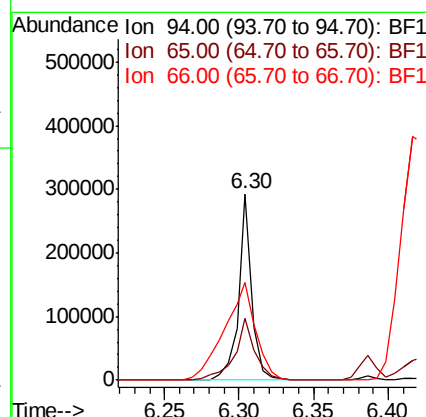
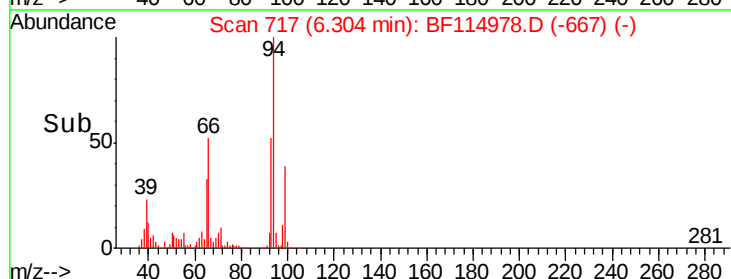
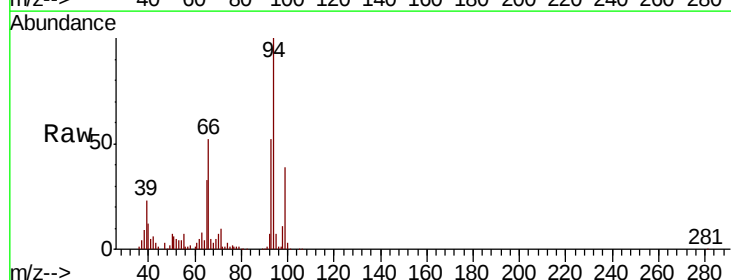
Tgt Ion: 94 Resp: 183331

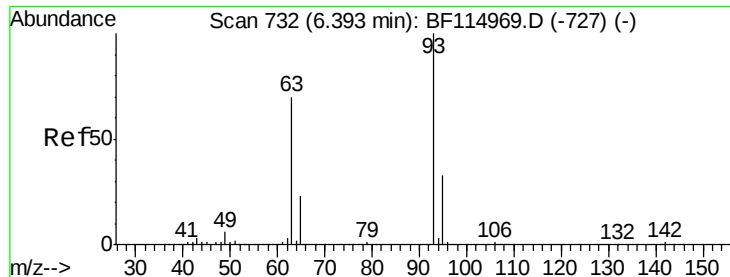
Ion Ratio Lower Upper

94 100

65 33.2 20.0 60.0

66 52.2 44.1 84.1





#11

bis(2-Chloroethyl)ether

Concen: 7.306 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

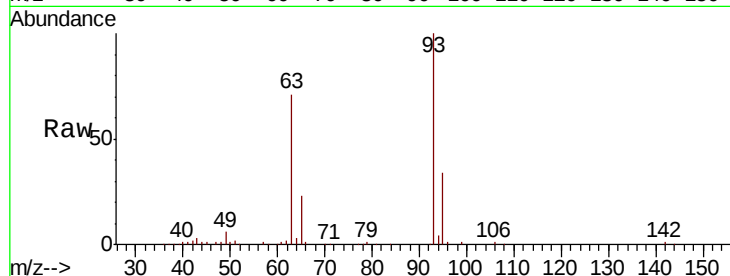
Tgt Ion: 93 Resp: 132242

Ion Ratio Lower Upper

93 100

63 70.5 49.8 89.8

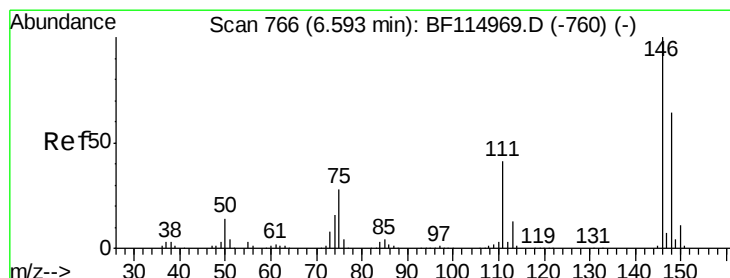
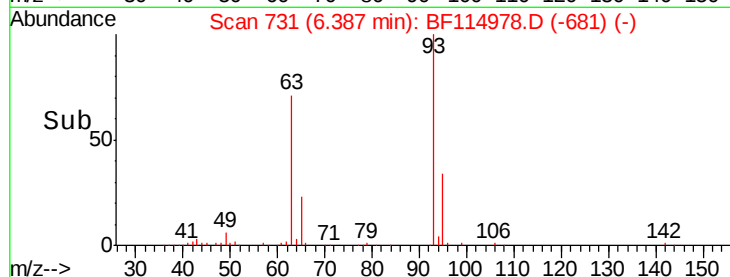
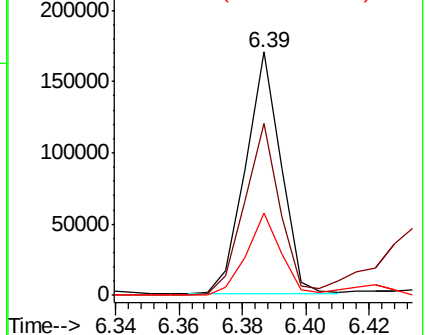
95 33.9 13.3 53.3



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: 7.335 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

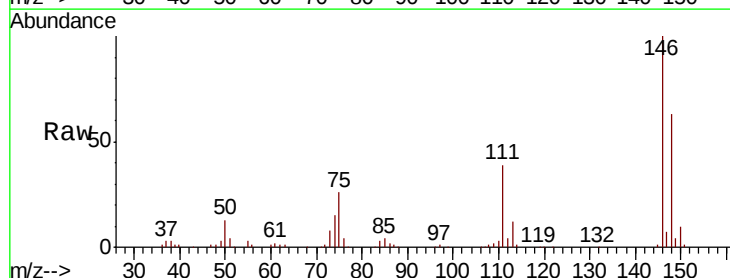
Tgt Ion: 146 Resp: 167859

Ion Ratio Lower Upper

146 100

148 62.8 51.6 77.4

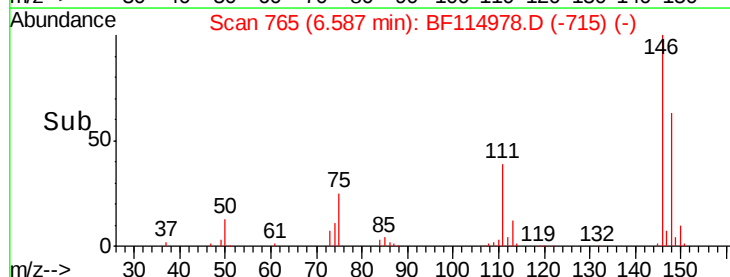
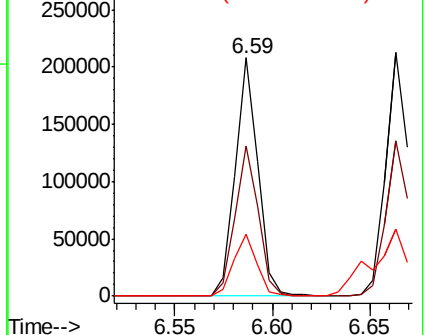
75 25.8 22.3 33.5

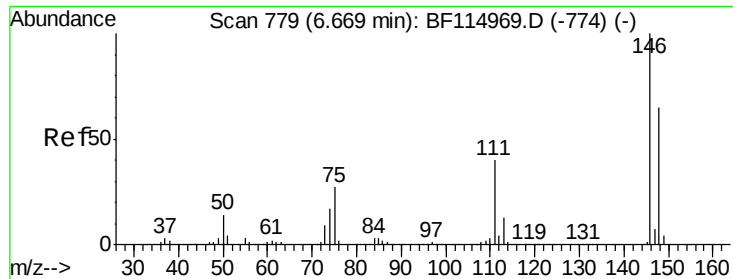


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

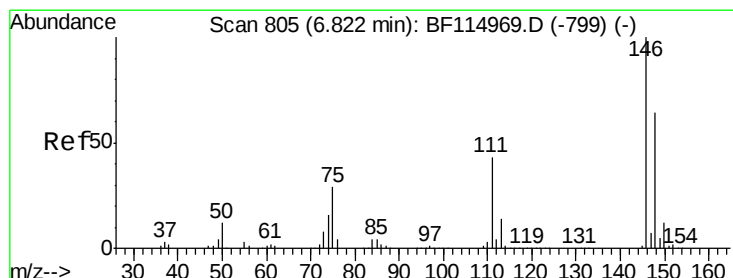
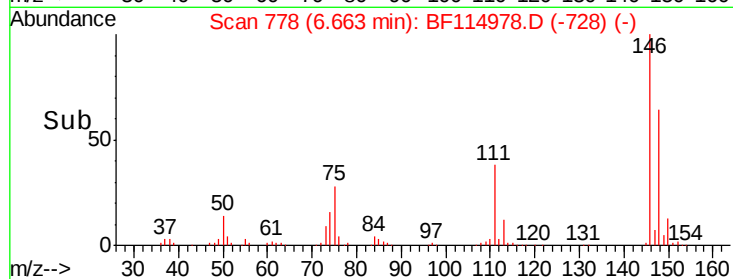
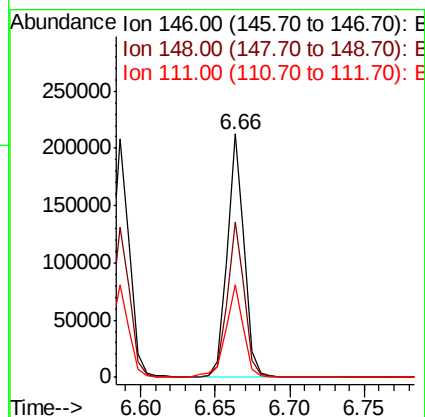
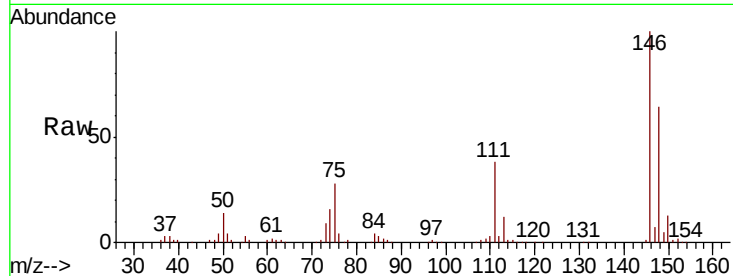




#13
 1,4-Dichlorobenzene
 Concen: 7.467 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

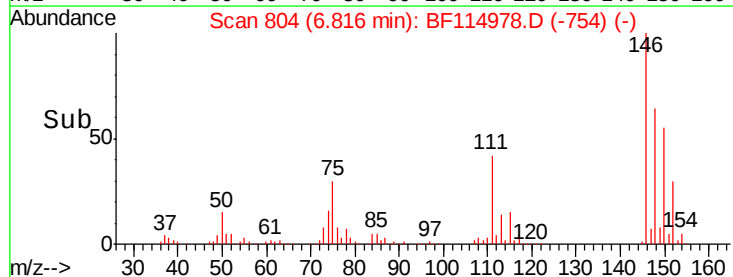
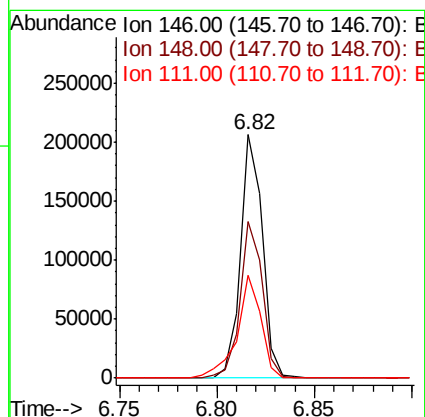
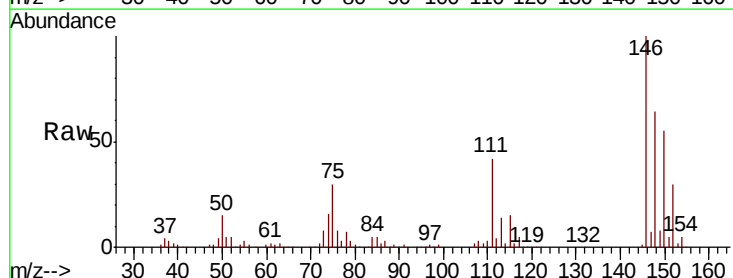
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

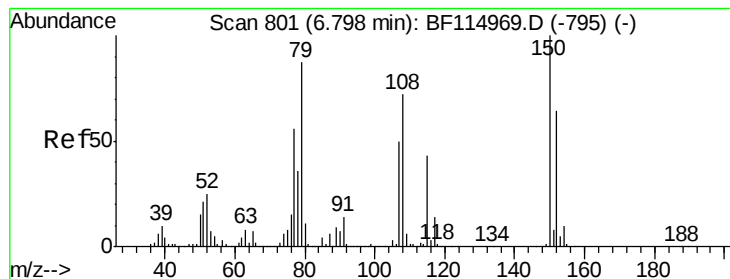
Tgt Ion:146 Resp: 171805
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.2 78.2
 111 37.9 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 7.428 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:146 Resp: 160910
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.5 77.3
 111 42.4 34.6 51.8





#15

Benzyl Alcohol

Concen: 8.560 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

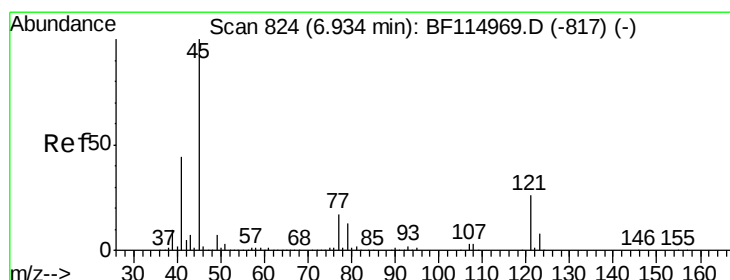
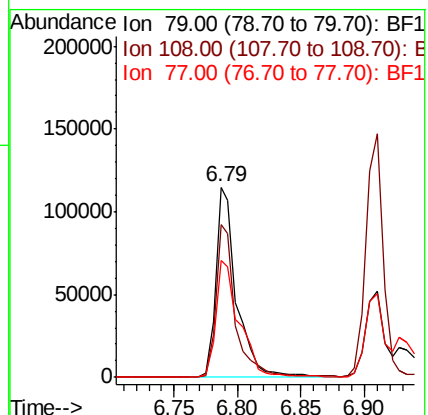
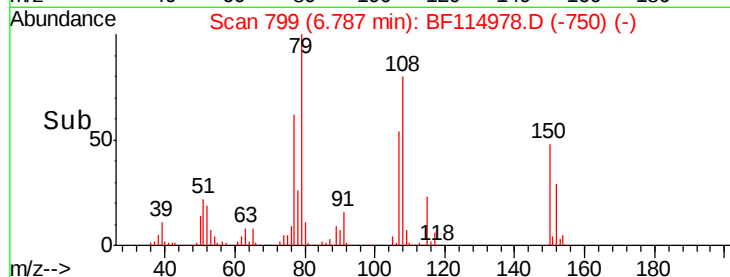
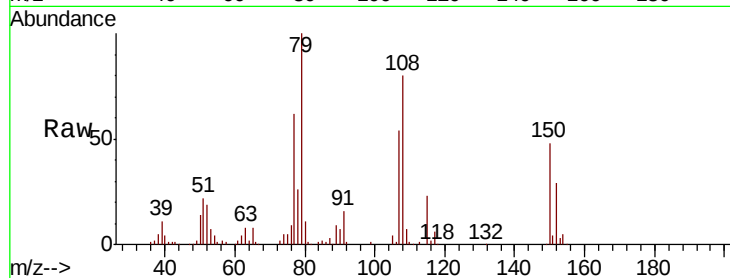
Tgt Ion: 79 Resp: 133688

Ion Ratio Lower Upper

79 100

108 80.3 66.0 99.0

77 61.8 51.1 76.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.418 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

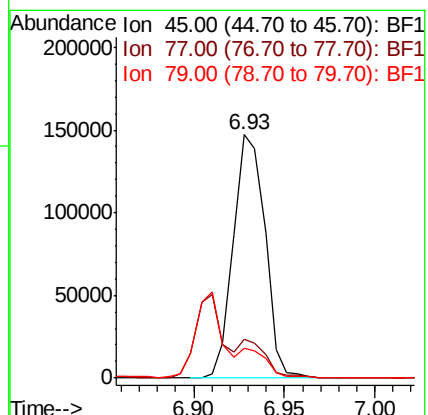
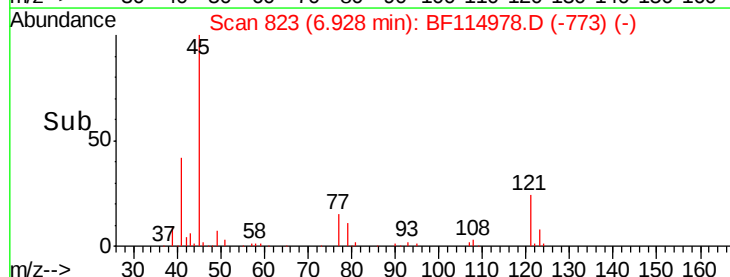
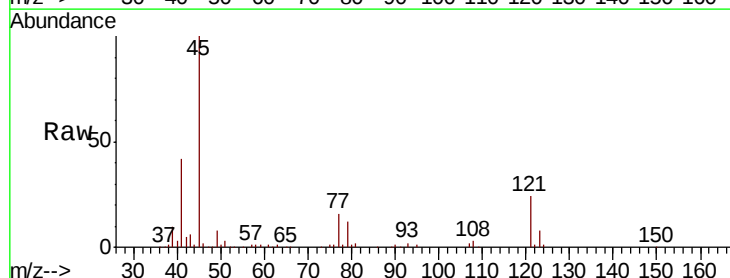
Tgt Ion: 45 Resp: 179705

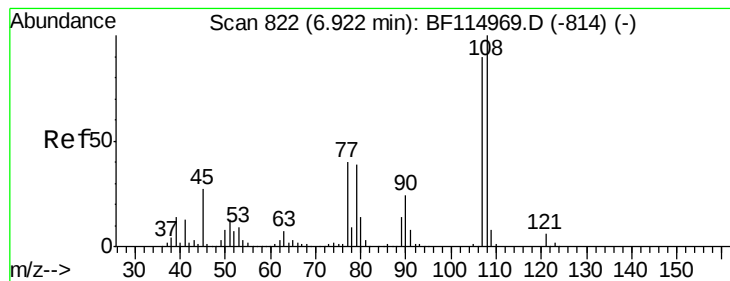
Ion Ratio Lower Upper

45 100

77 16.2 0.0 37.0

79 12.0 0.0 33.1

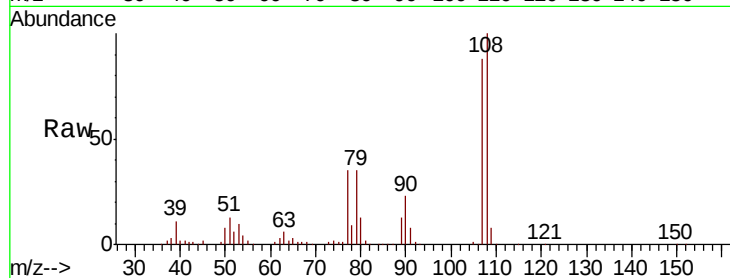




#17
2-Methylphenol
Concen: 7.498 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:	107	Resp:	122539
Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.3	133.9
77	39.3	35.4	53.2
79	40.3	34.9	52.3



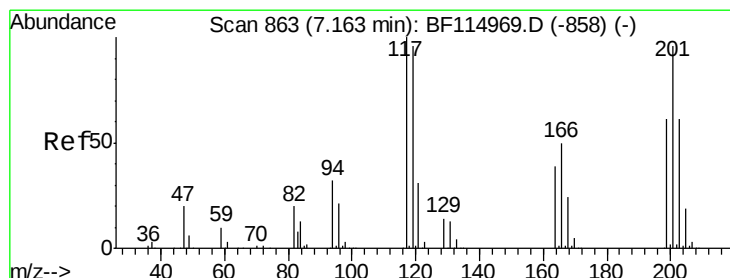
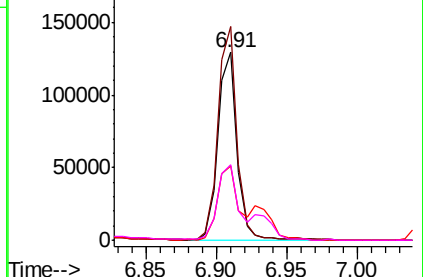
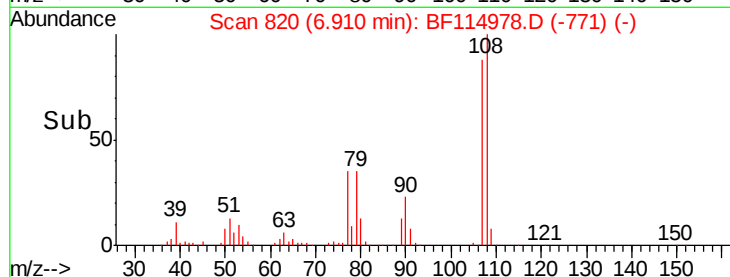
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

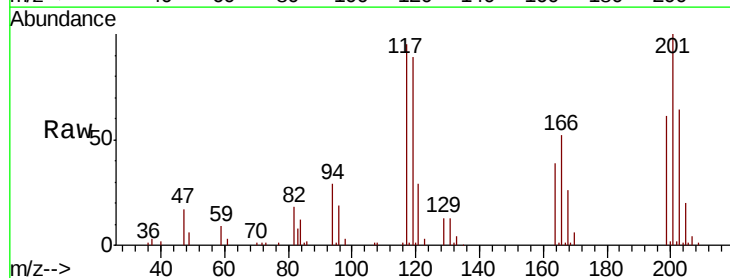
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 6.987 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	117	Resp:	58052
Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.4
201	105.7	76.6	115.0

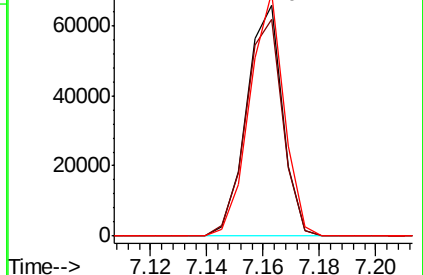
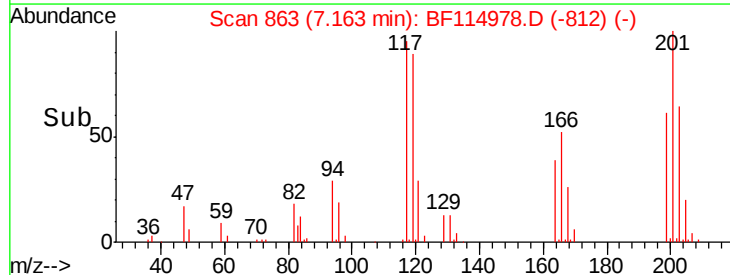


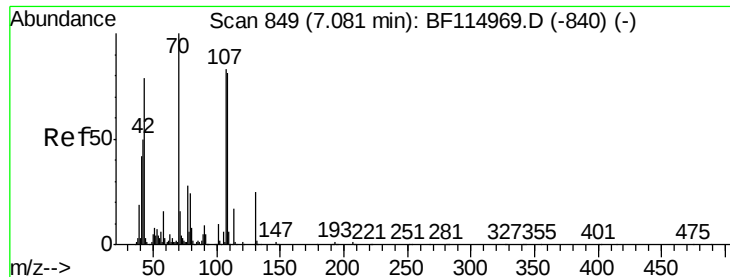
Abundance

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

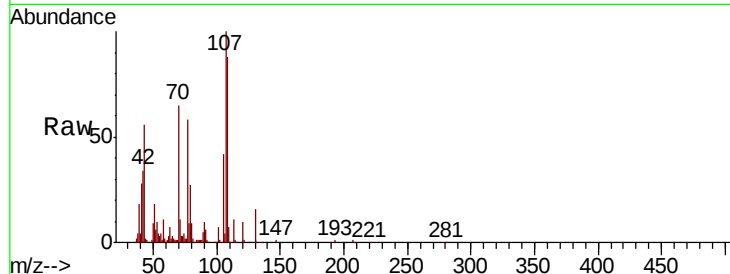




#19
n-Nitroso-di-n-propylamine
Concen: 7.774 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:	70	Resp:	98449
Ion	Ratio	Lower	Upper
70	100		
42	53.0	40.3	60.5
101	10.1	8.2	12.4
130	24.1	20.3	30.5



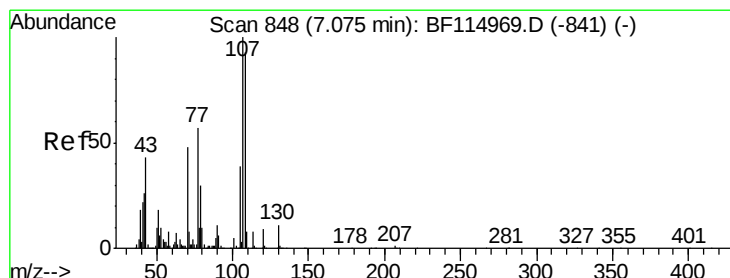
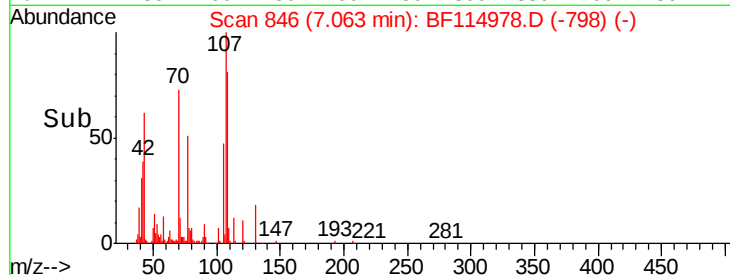
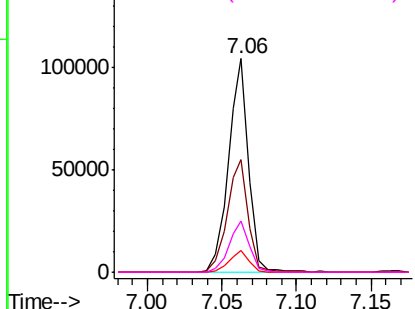
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

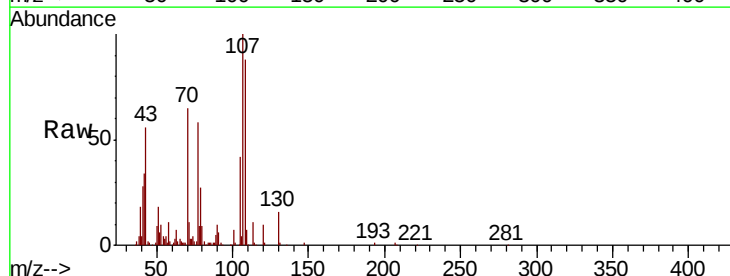
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 8.078 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	107	Resp:	157123
Ion	Ratio	Lower	Upper
107	100		
108	88.0	73.1	113.1
77	58.3	37.3	77.3
79	26.7	9.6	49.6



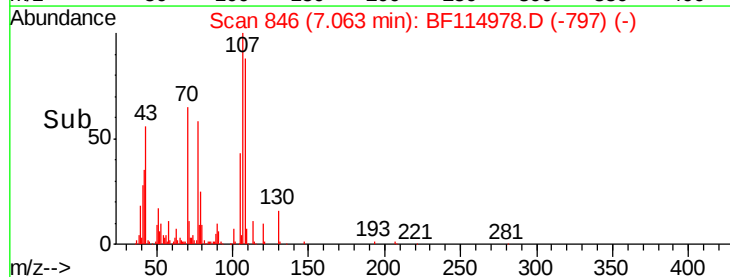
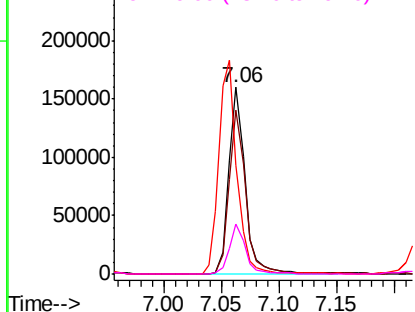
Abundance

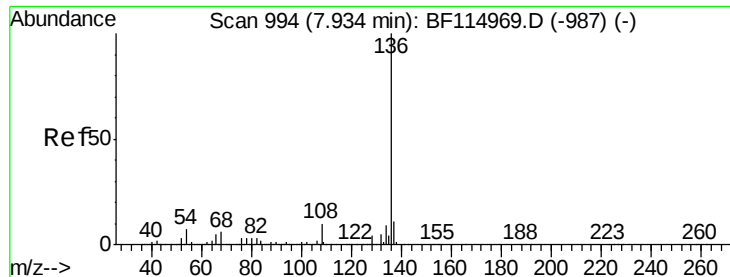
Ion 107.00 (106.70 to 107.70): E

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

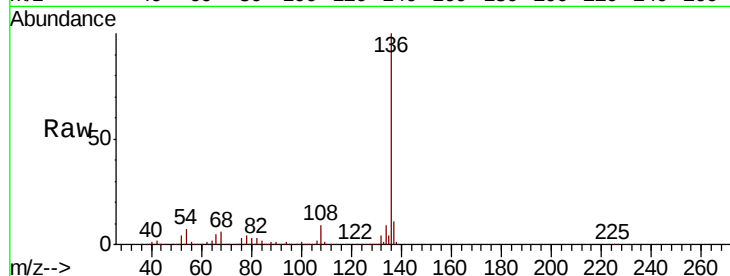




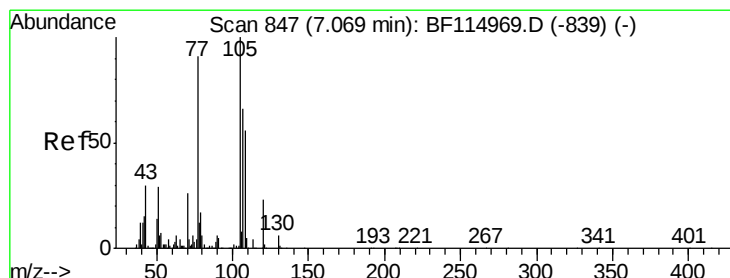
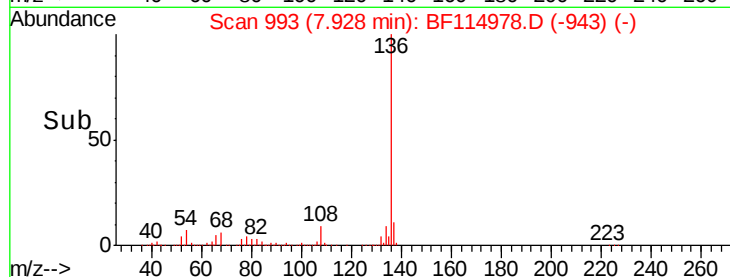
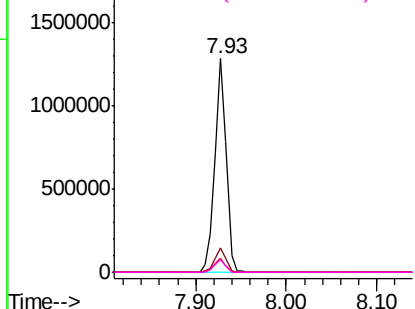
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:	136	Resp:	1124837
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.8	5.4	8.0
68	6.0	4.6	7.0

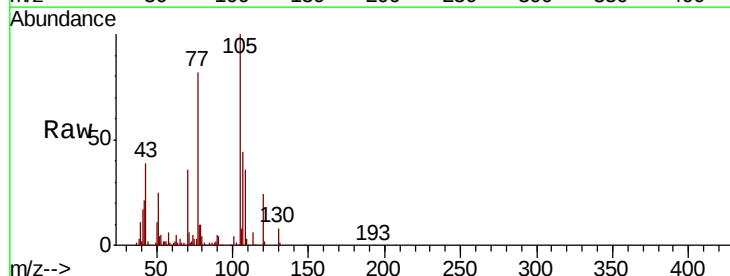


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

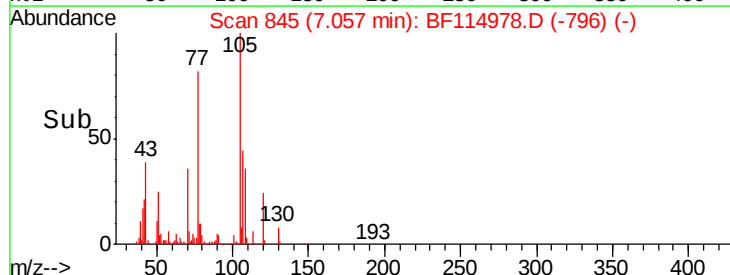
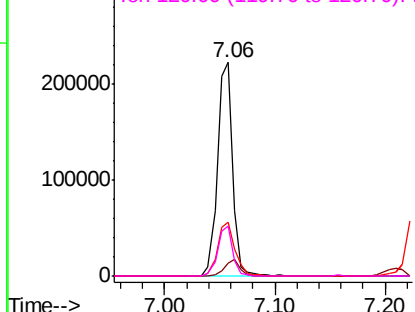


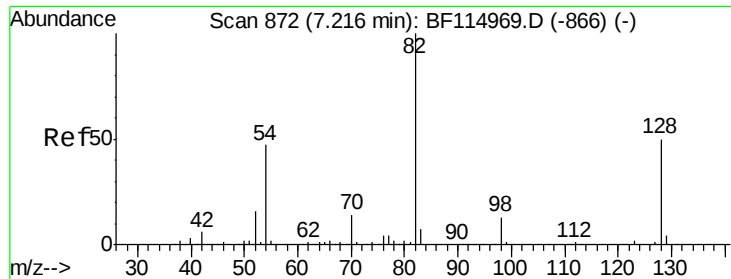
#22
Acetophenone
Concen: 8.304 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	105	Resp:	211454
Ion	Ratio	Lower	Upper
105	100		
71	5.9	3.4	5.2#
51	25.4	23.3	34.9
120	23.5	18.8	28.2



Abundance Ion 105.00 (104.70 to 105.70): E
300000
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

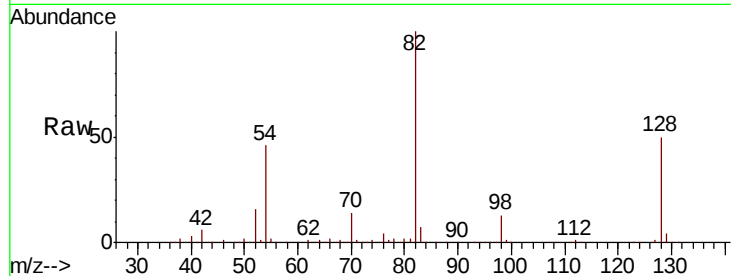




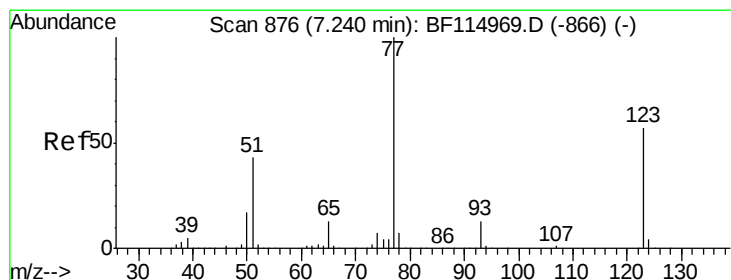
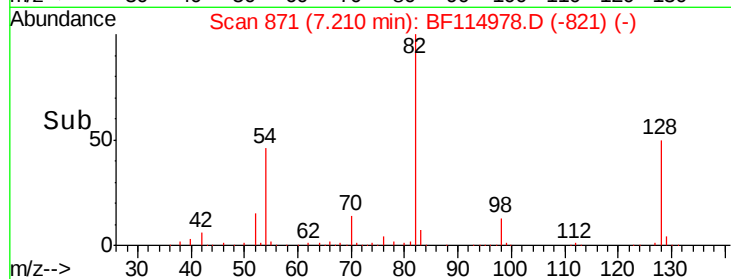
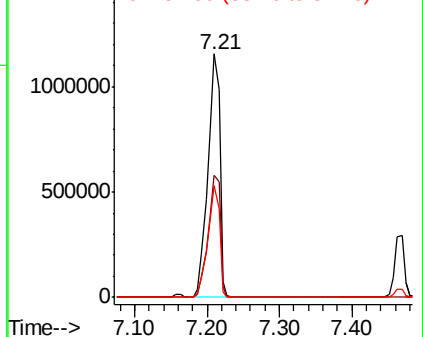
#23
 Nitrobenzene-d5
 Concen: 70.940 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion: 82 Resp: 1325681
 Ion Ratio Lower Upper
 82 100
 128 50.3 39.9 59.9
 54 46.0 37.3 55.9

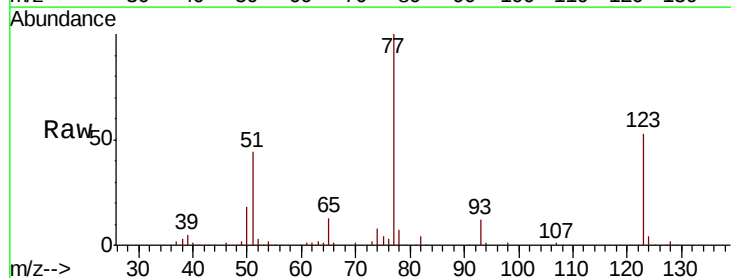


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

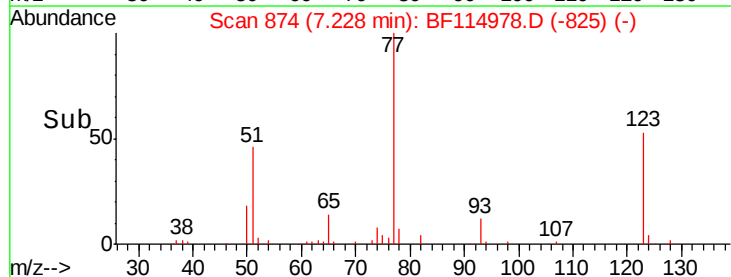
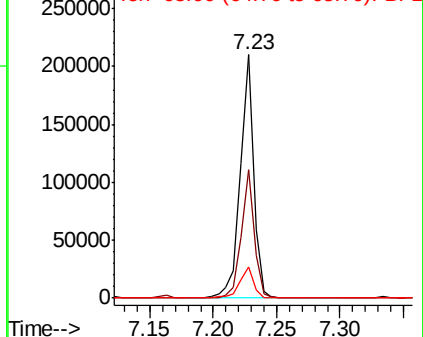


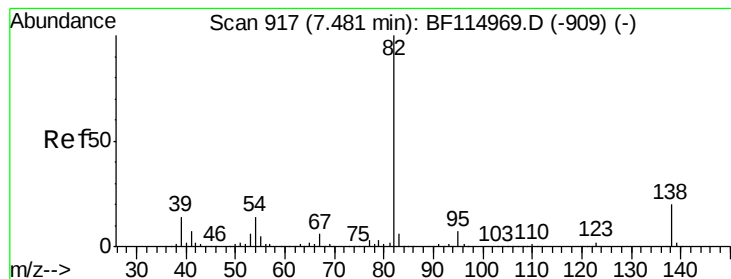
#24
 Nitrobenzene
 Concen: 8.132 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 77 Resp: 154616
 Ion Ratio Lower Upper
 77 100
 123 52.9 45.5 68.3
 65 12.6 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: 7.795 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

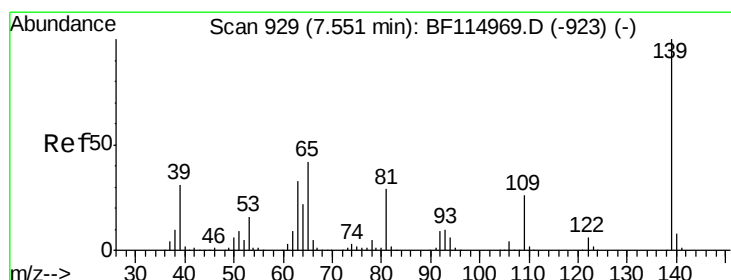
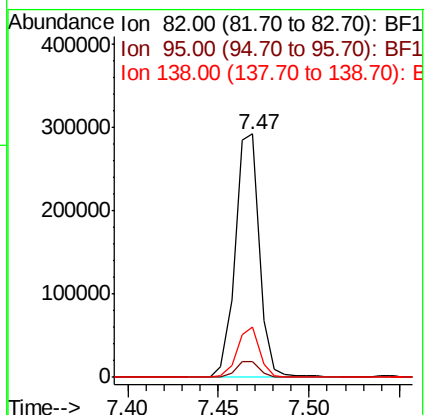
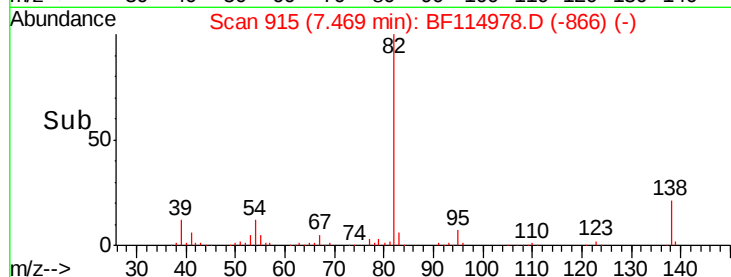
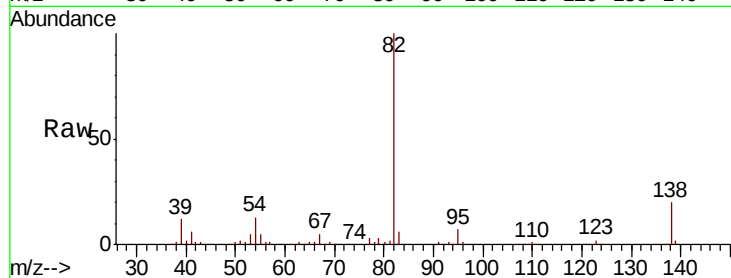
Tgt Ion: 82 Resp: 272843

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 20.4 16.1 24.1



#26

2-Nitrophenol

Concen: 7.462 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

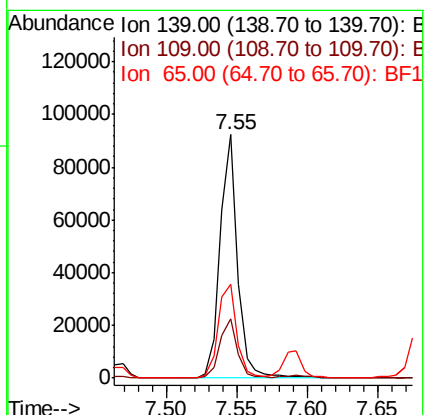
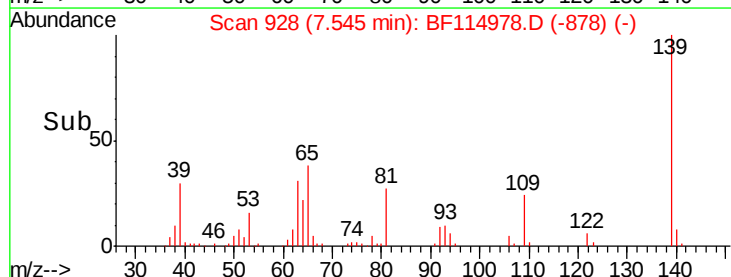
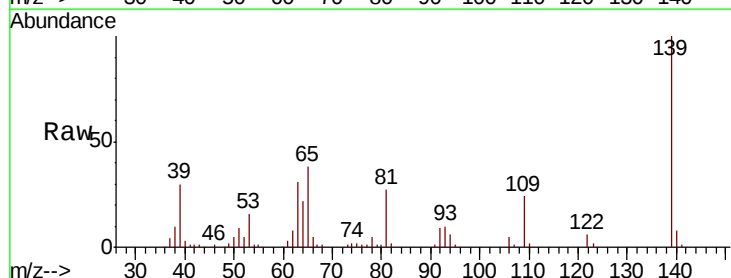
Tgt Ion: 139 Resp: 79078

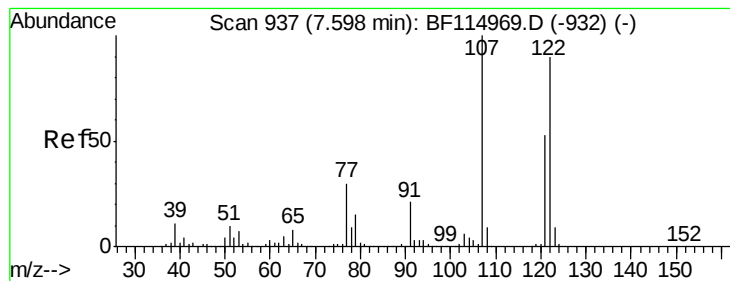
Ion Ratio Lower Upper

139 100

109 24.2 20.8 31.2

65 38.3 33.4 50.2





#27

2,4-Dimethylphenol

Concen: 7.331 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

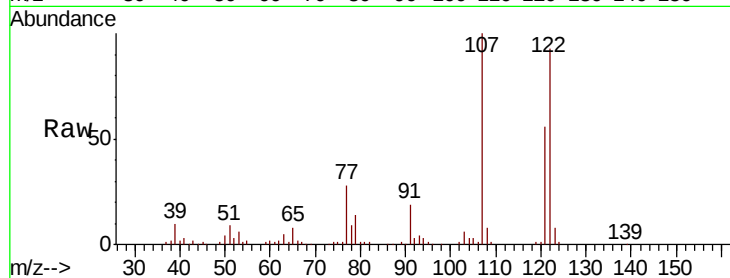
Tgt Ion:122 Resp: 112073

Ion Ratio Lower Upper

122 100

107 107.3 88.8 133.2

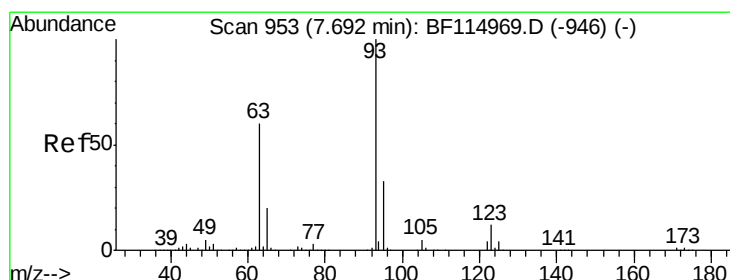
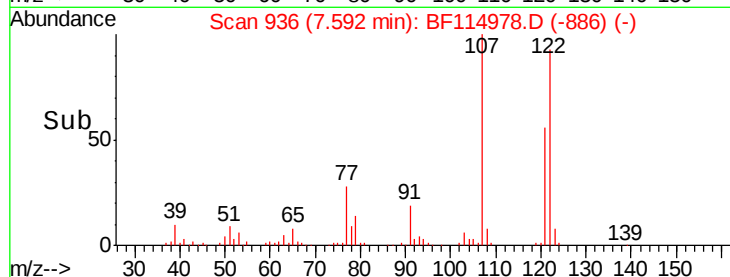
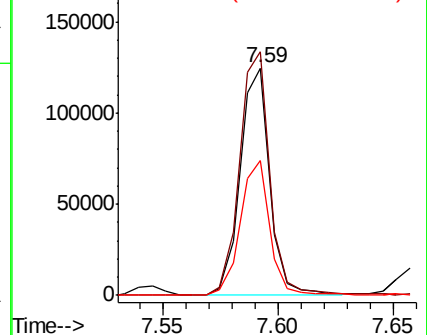
121 59.6 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.678 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

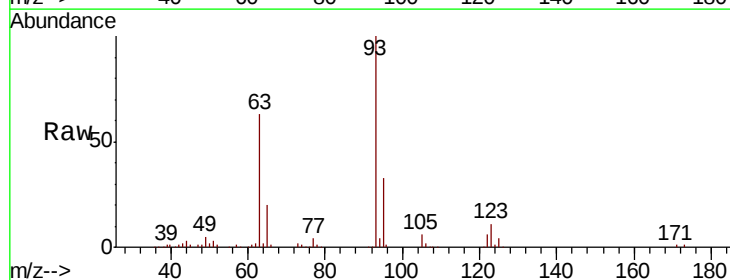
Tgt Ion: 93 Resp: 172417

Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

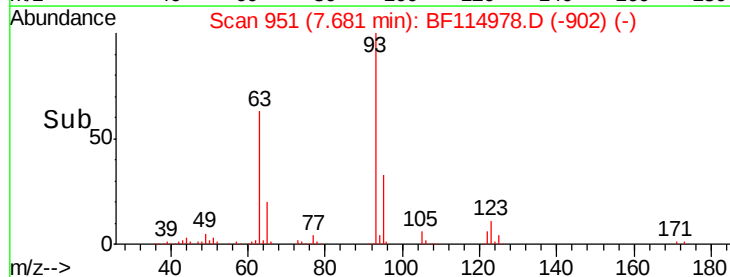
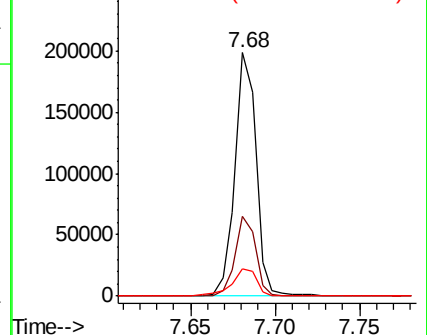
123 11.1 9.9 14.9

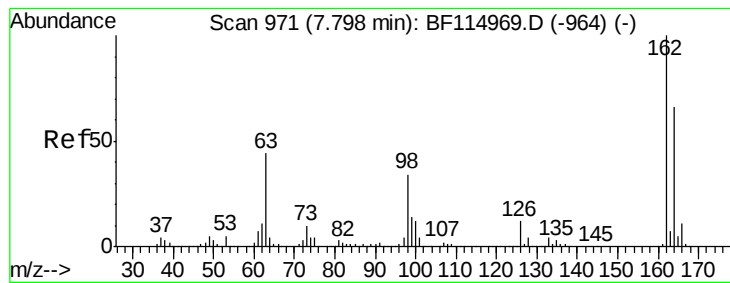


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 7.834 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

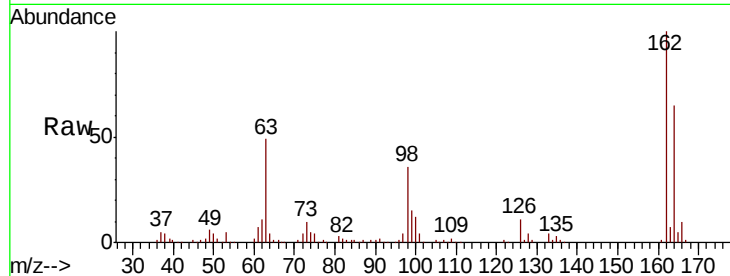
Tgt Ion:162 Resp: 126532

Ion Ratio Lower Upper

162 100

164 65.2 45.7 85.7

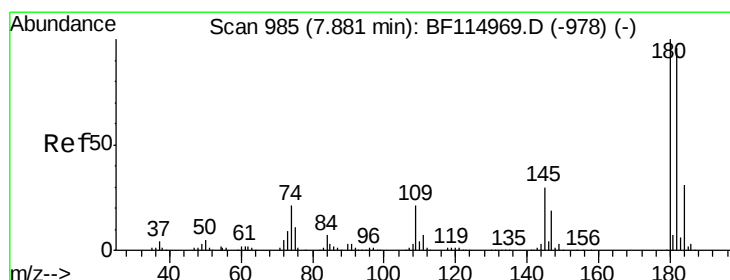
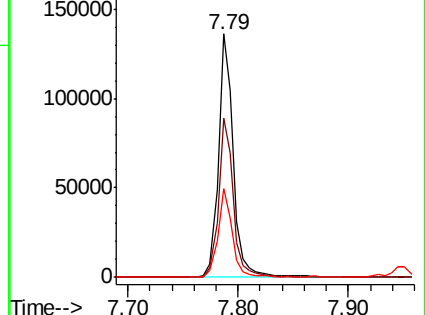
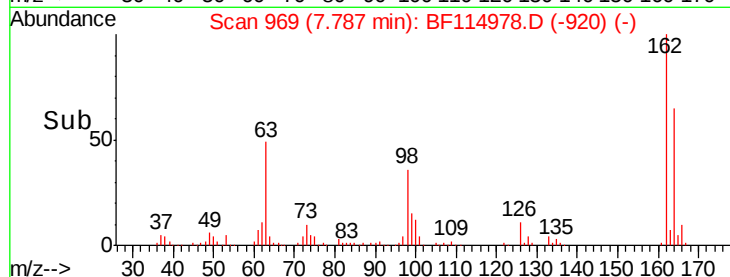
98 36.2 14.0 54.0



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: 7.702 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

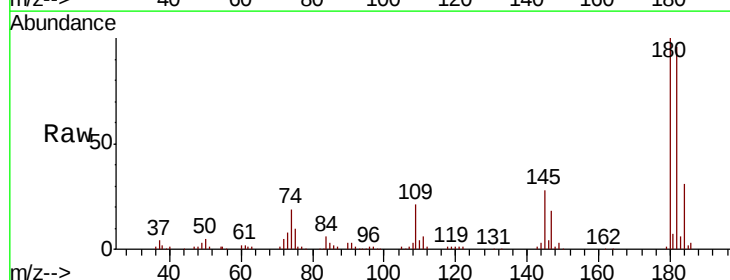
Tgt Ion:180 Resp: 143733

Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

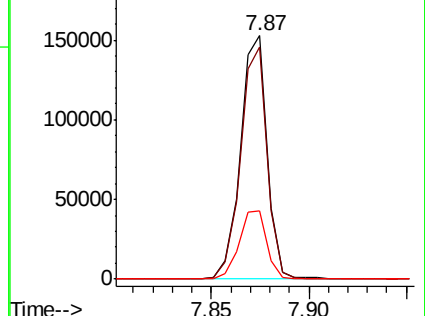
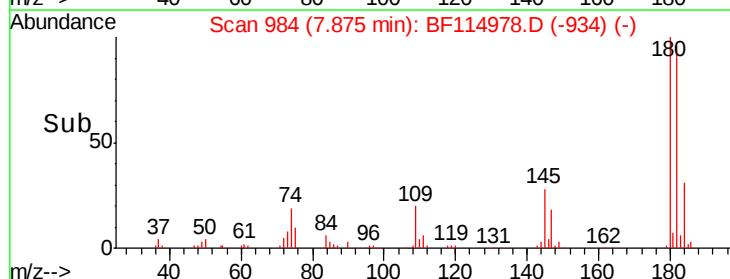
145 28.0 24.1 36.1

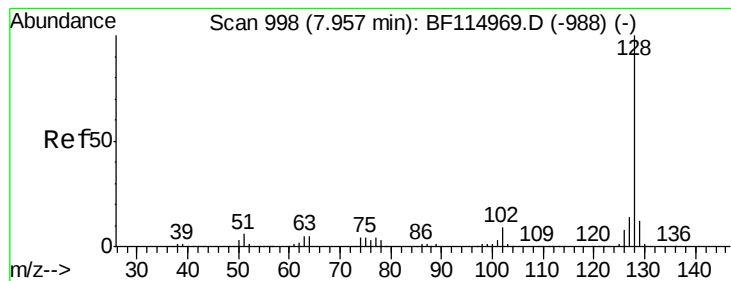


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 8.687 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

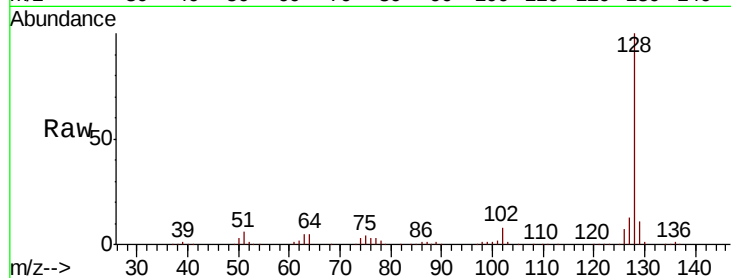
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

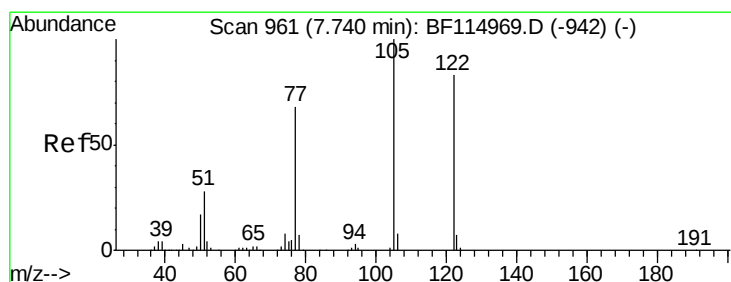
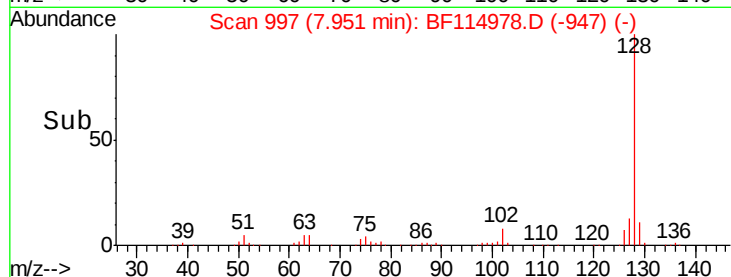
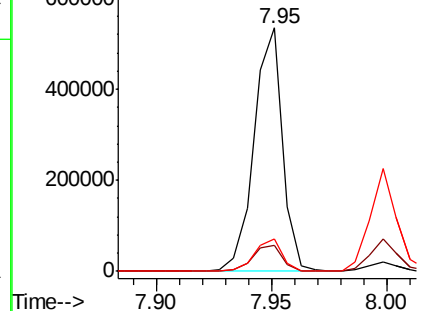
Tgt Ion:	128	Resp:	462337
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.5	14.3
127	13.1	11.5	17.3



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: 4.812 ng

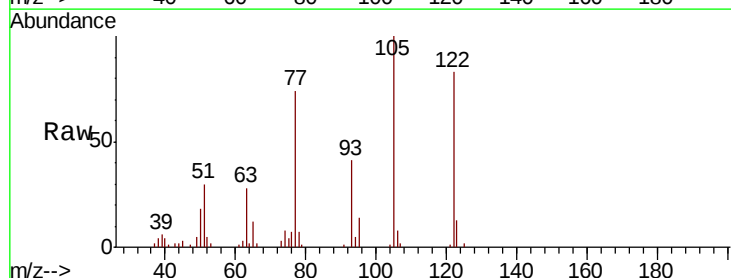
RT: 7.67 min Scan# 949

Delta R.T. -0.07 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

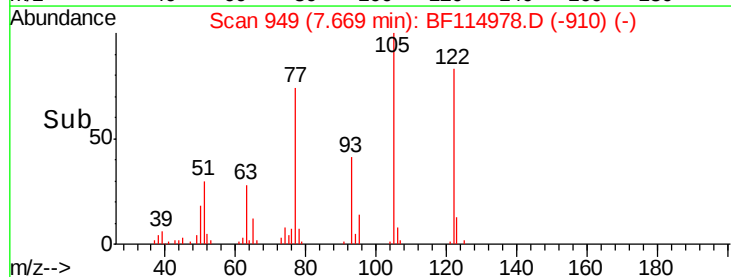
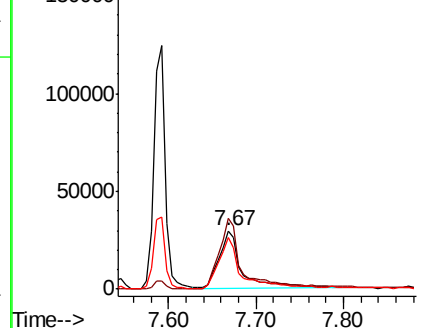
Tgt Ion:	122	Resp:	53234
Ion	Ratio	Lower	Upper
122	100		
105	120.7	98.6	138.6
77	89.5	60.9	100.9

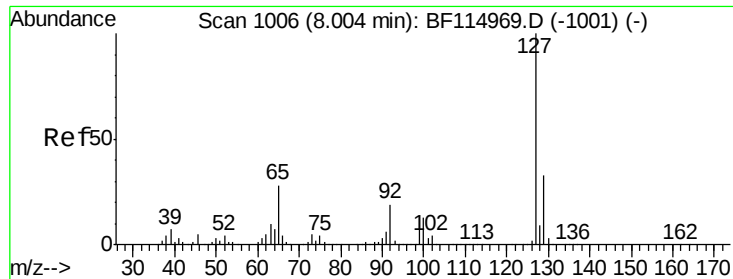


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

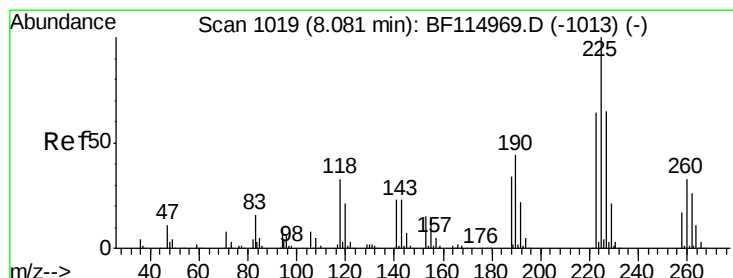
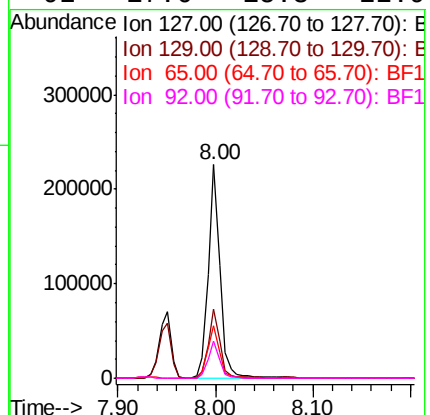
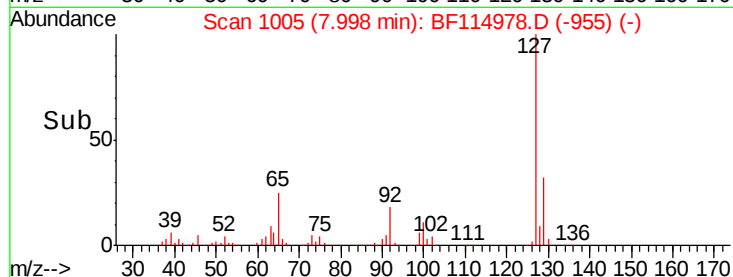
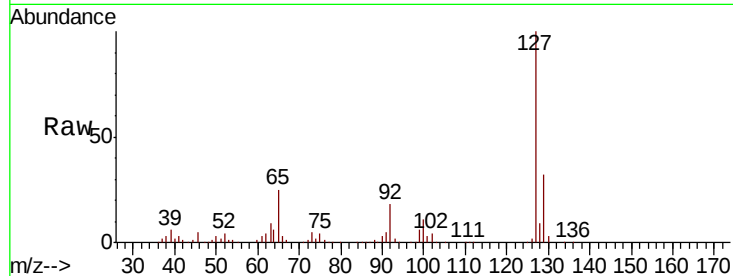




#33
4-Chloroaniline
Concen: 7.698 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

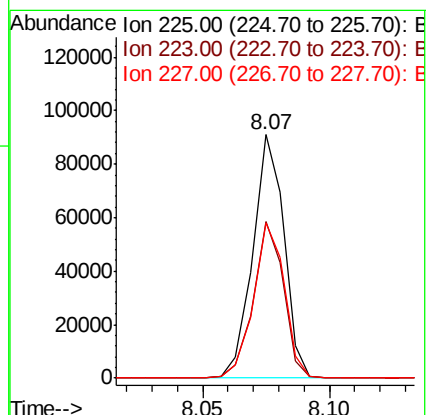
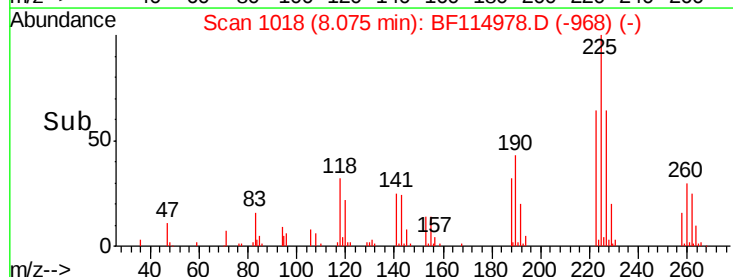
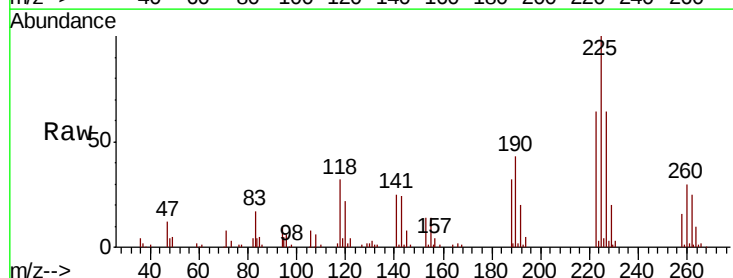
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

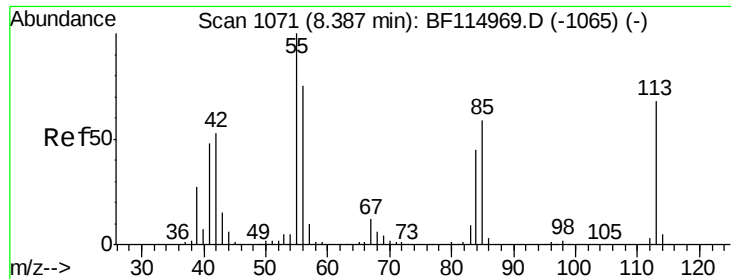
Tgt Ion:	127	Resp:	189116
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	24.8	22.3	33.5
92	17.6	15.3	22.9



#34
Hexachlorobutadiene
Concen: 7.526 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	225	Resp:	78063
Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.0	76.6
227	63.6	51.7	77.5

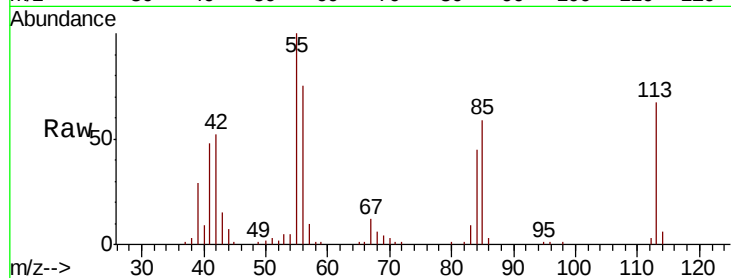




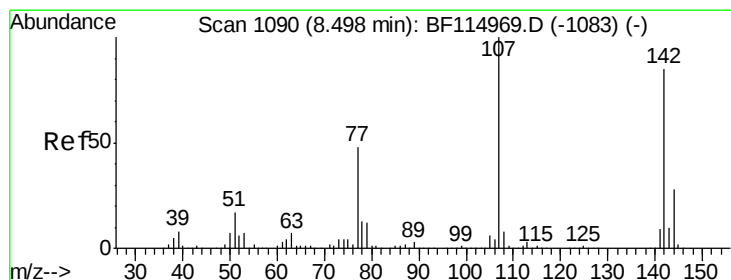
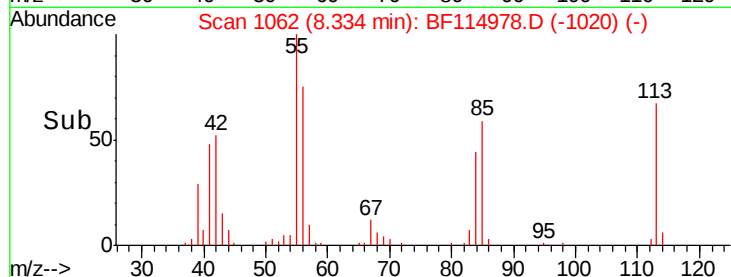
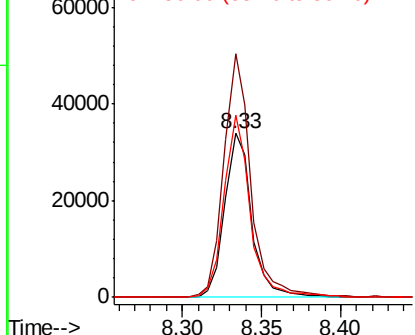
#35
 Caprolactam
 Concen: 7.420 ng
 RT: 8.33 min Scan# 1062
 Delta R.T. -0.05 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion:113 Resp: 39914
 Ion Ratio Lower Upper
 113 100
 55 148.7 127.3 167.3
 56 111.1 90.6 130.6

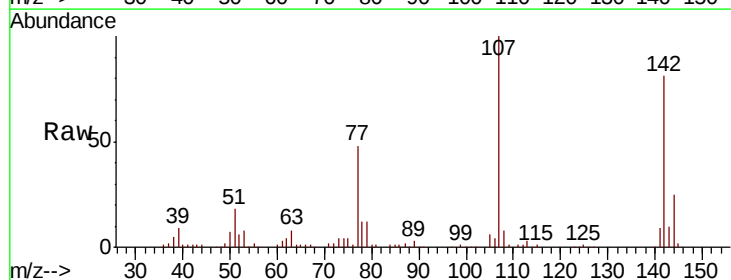


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

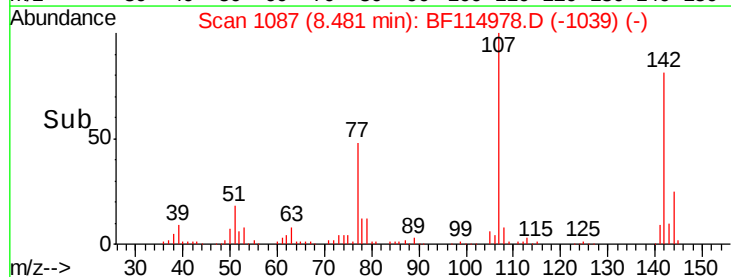
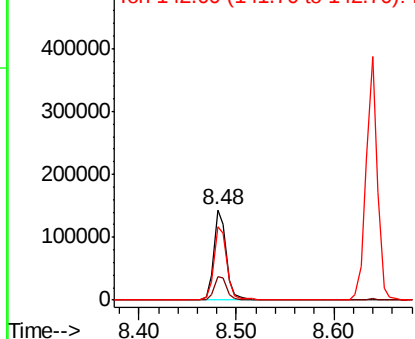


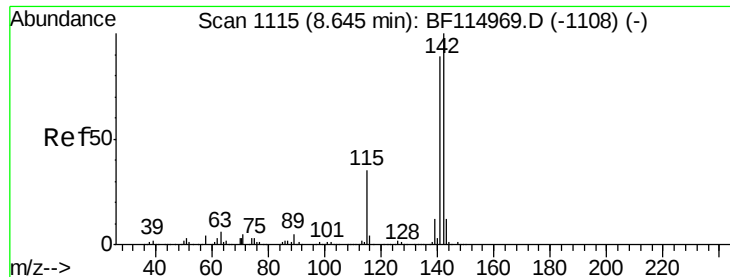
#36
 4-Chloro-3-methylphenol
 Concen: 7.907 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:107 Resp: 128692
 Ion Ratio Lower Upper
 107 100
 144 25.3 22.0 33.0
 142 80.7 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

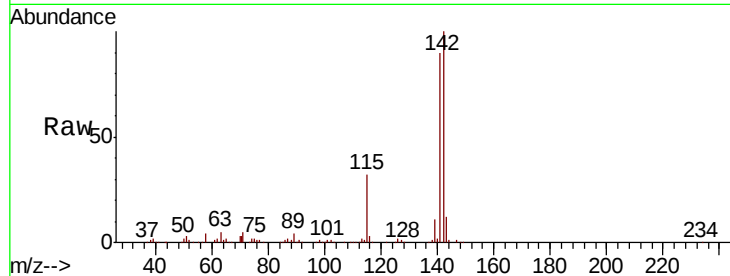




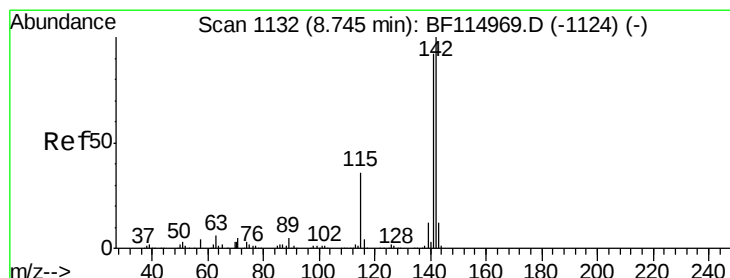
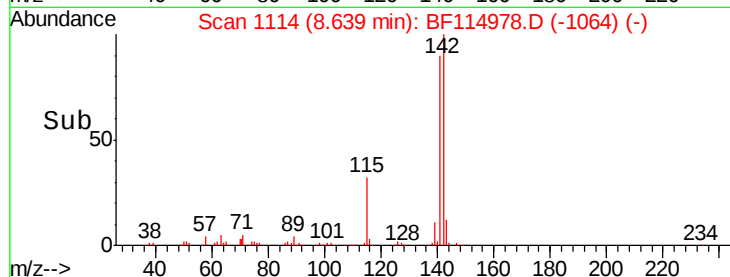
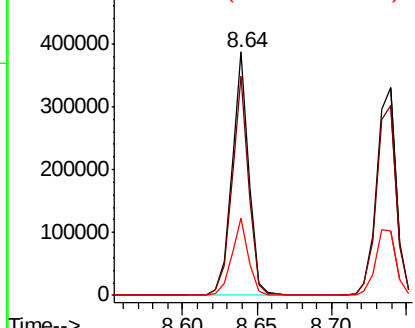
#37
2-Methylnaphthalene
Concen: 8.751 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:142 Resp: 310649
Ion Ratio Lower Upper
142 100
141 90.2 71.0 106.6
115 31.5 27.9 41.9

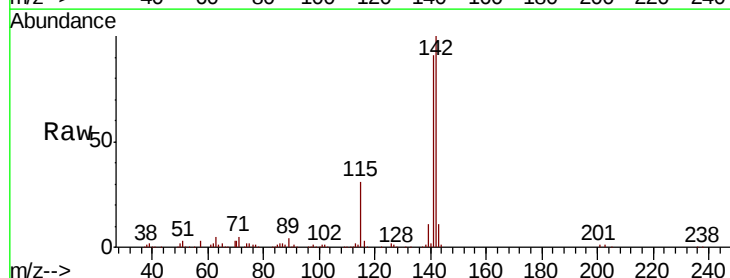


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

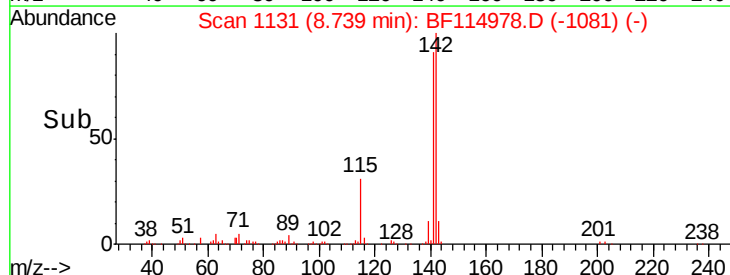
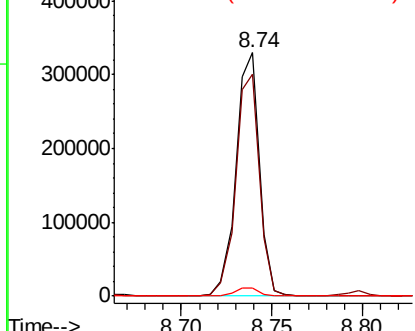


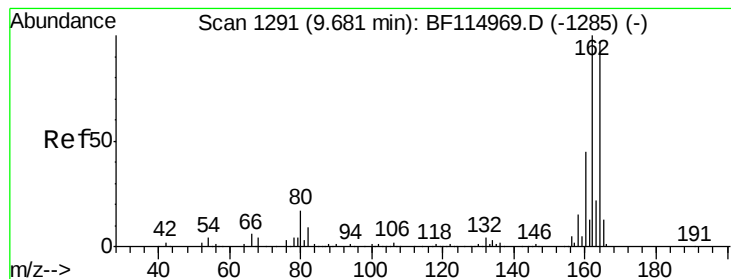
#38
1-Methylnaphthalene
Concen: 8.785 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:142 Resp: 294721
Ion Ratio Lower Upper
142 100
141 91.3 73.8 110.8
116 3.4 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: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

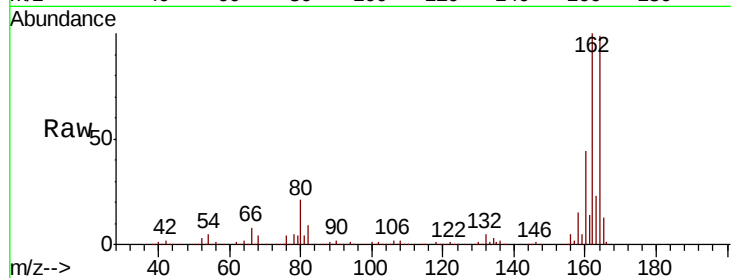
Tgt Ion:164 Resp: 554420

Ion Ratio Lower Upper

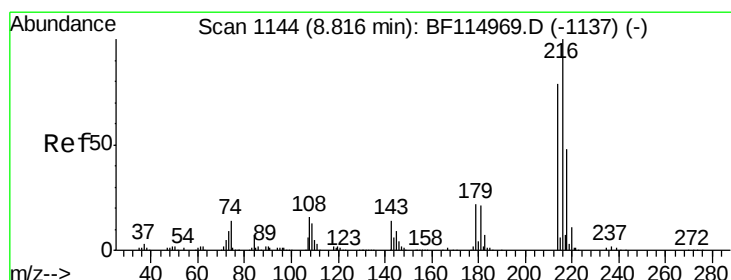
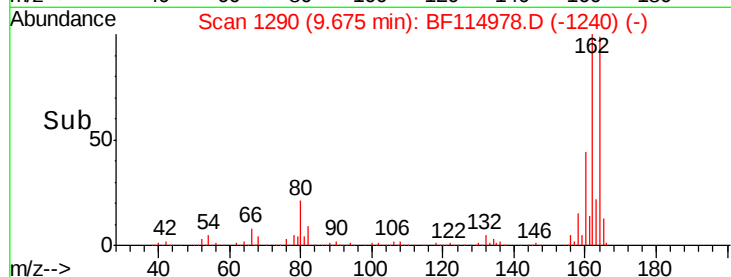
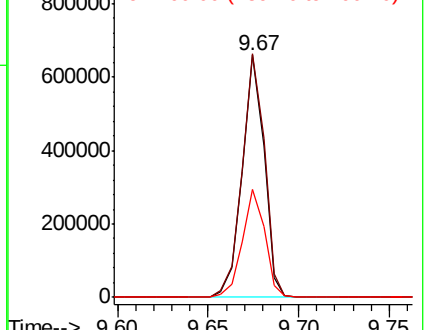
164 100

162 100.6 82.6 124.0

160 44.7 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: 8.207 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Tgt Ion:216 Resp: 134425

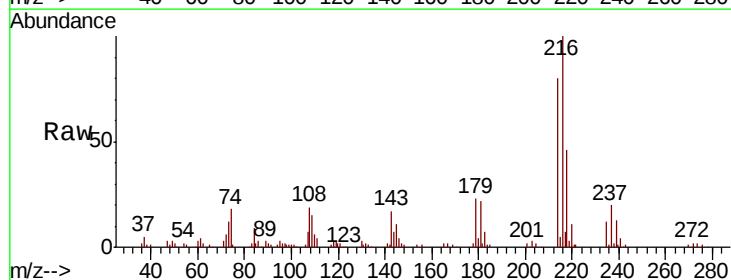
Ion Ratio Lower Upper

216 100

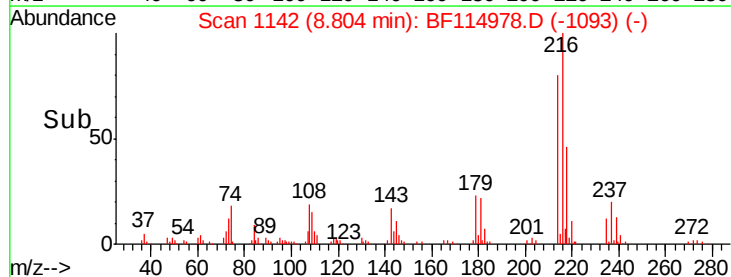
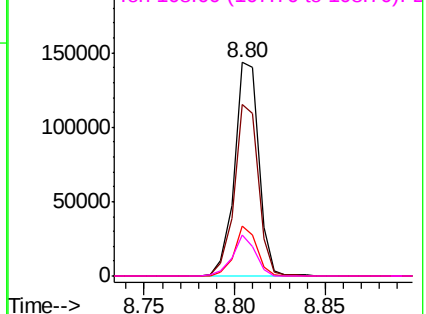
214 79.4 63.7 95.5

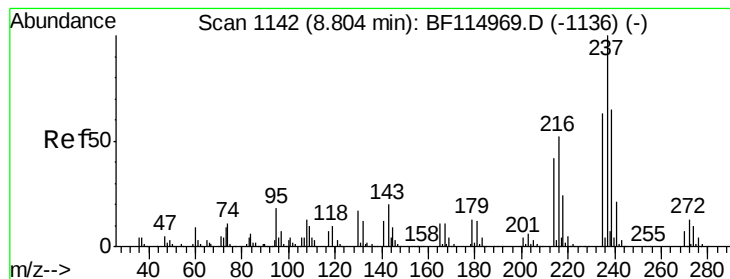
179 21.8 18.2 27.4

108 17.9 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: 4.934 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

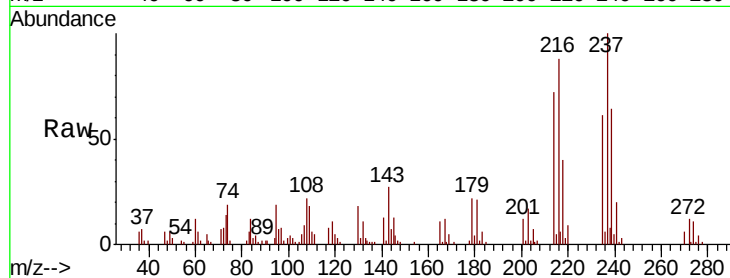
Tgt Ion: 237 Resp: 39820

Ion Ratio Lower Upper

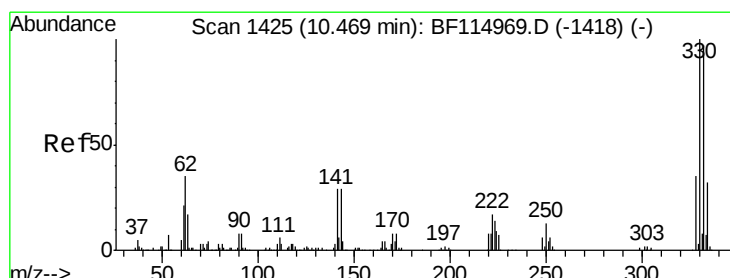
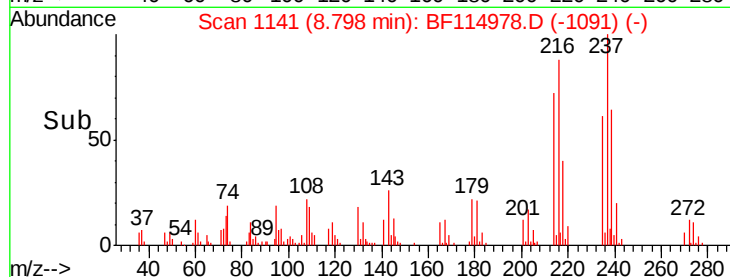
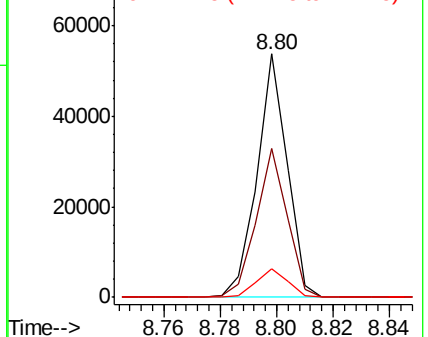
237 100

235 61.2 42.7 82.7

272 11.9 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: 106.331 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

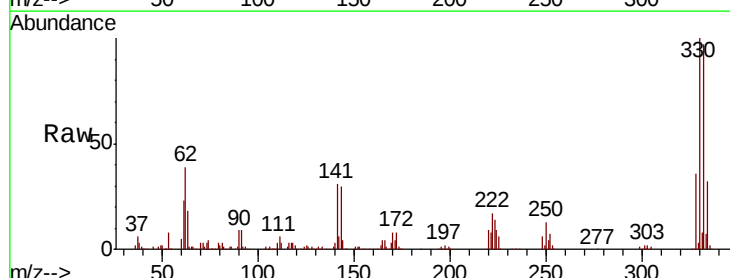
Tgt Ion: 330 Resp: 631295

Ion Ratio Lower Upper

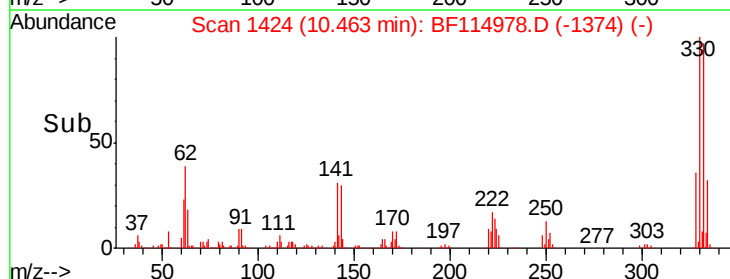
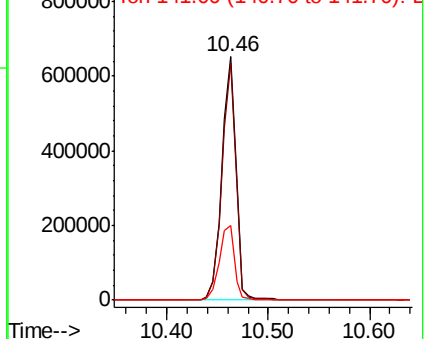
330 100

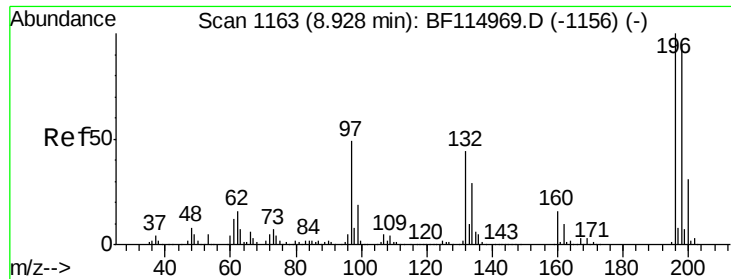
332 96.3 77.6 116.4

141 33.0 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

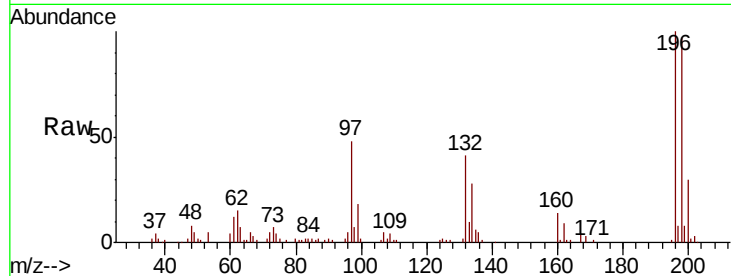




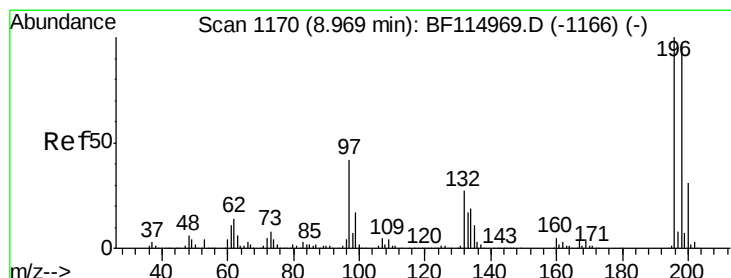
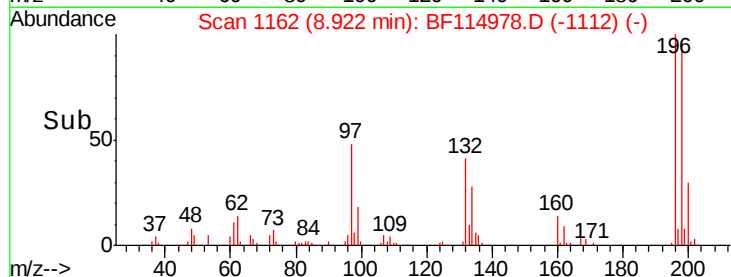
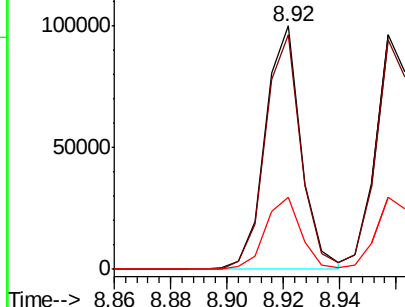
#43
 2,4,6-Trichlorophenol
 Concen: 7.180 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.5	75.8	113.8
200	29.5	24.9	37.3



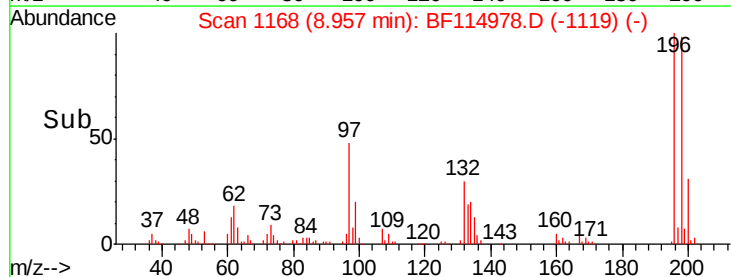
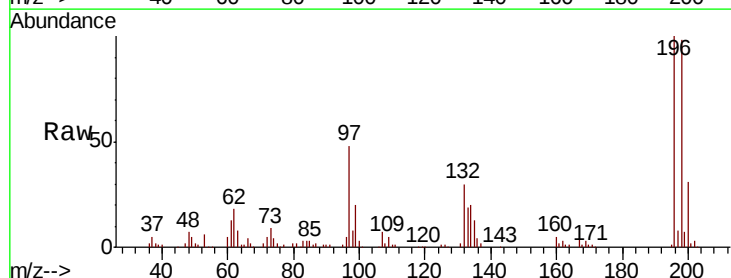
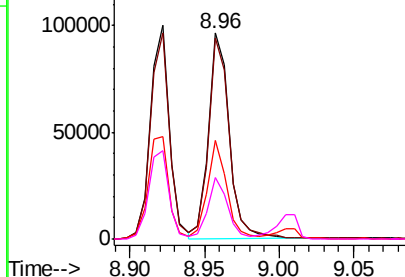
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

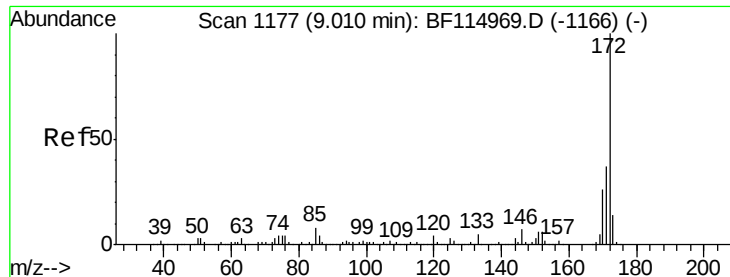


#44
 2,4,5-Trichlorophenol
 Concen: 7.538 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.3	115.9
97	47.7	34.2	51.4
132	30.1	22.1	33.1

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

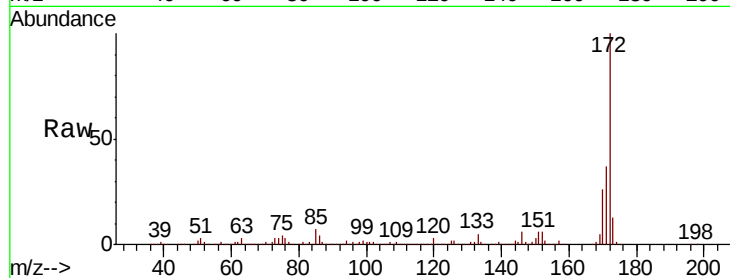




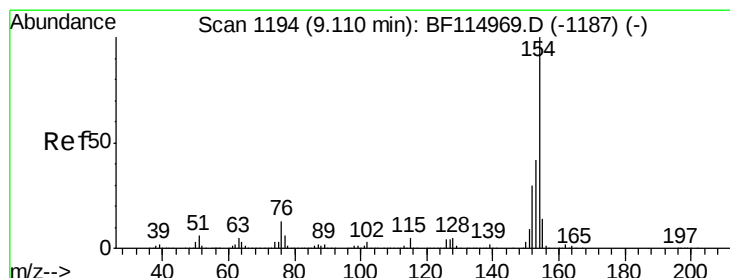
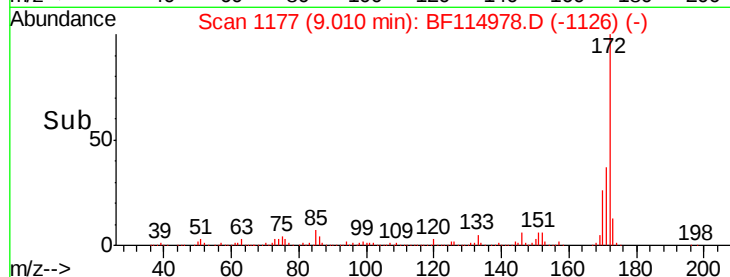
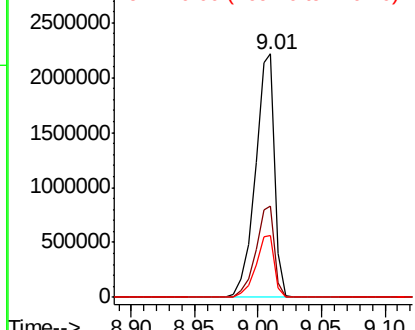
#45
2-Fluorobiphenyl
Concen: 72.175 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:172 Resp: 2361002
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.6 20.6 31.0

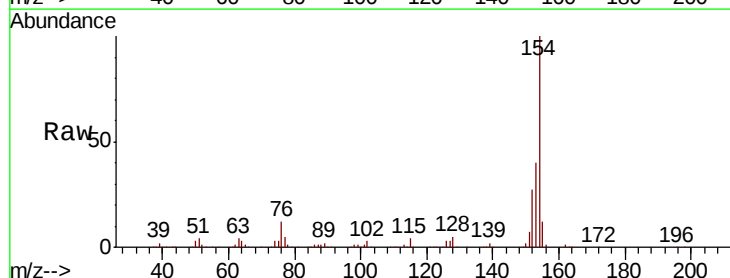


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

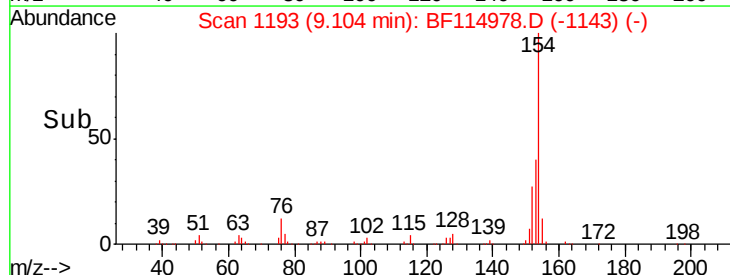
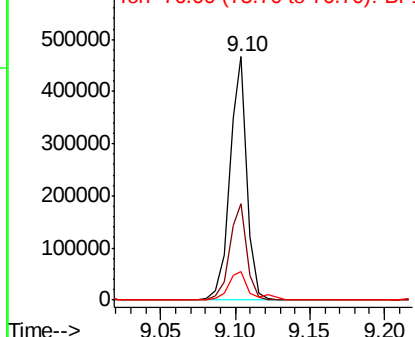


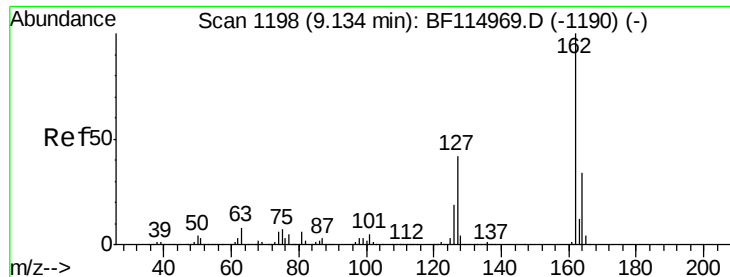
#46
1,1'-Biphenyl
Concen: 8.482 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:154 Resp: 376849
Ion Ratio Lower Upper
154 100
153 39.7 22.4 62.4
76 11.7 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 8.040 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

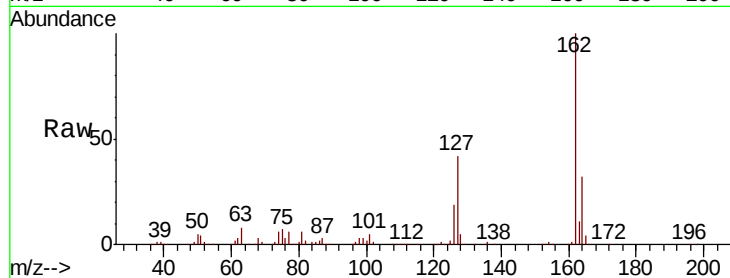
Tgt Ion: 162 Resp: 288845

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

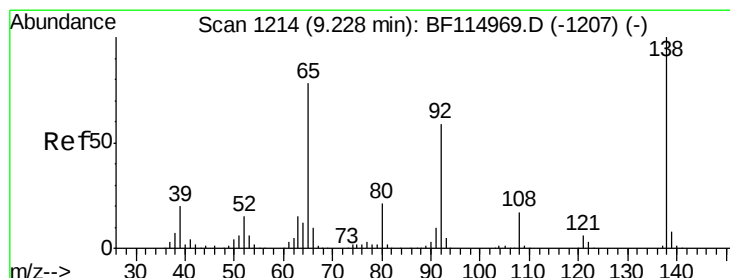
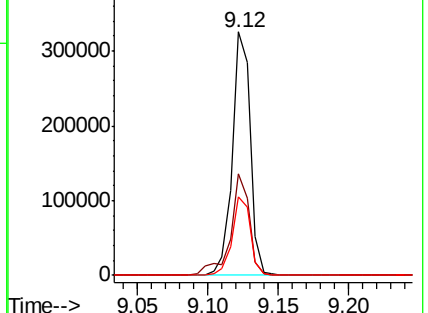
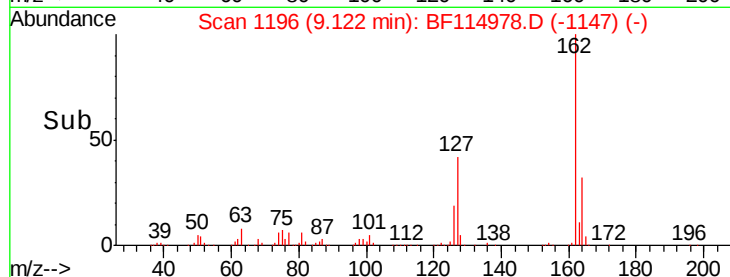
164 32.2 27.2 40.8



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: 7.011 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

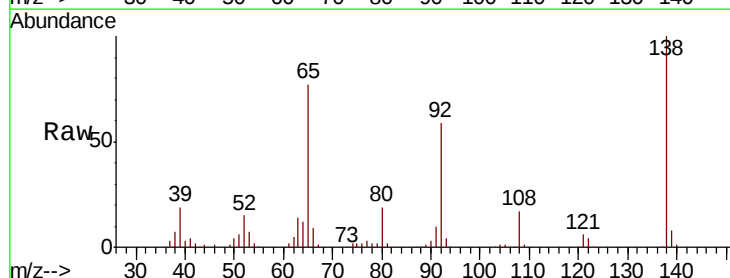
Tgt Ion: 65 Resp: 74454

Ion Ratio Lower Upper

65 100

92 77.1 60.5 90.7

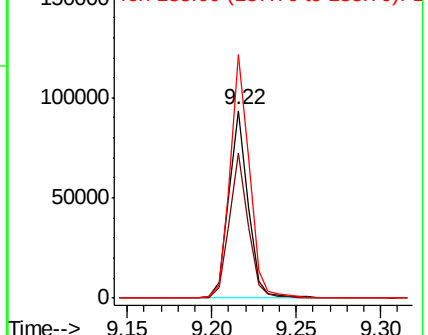
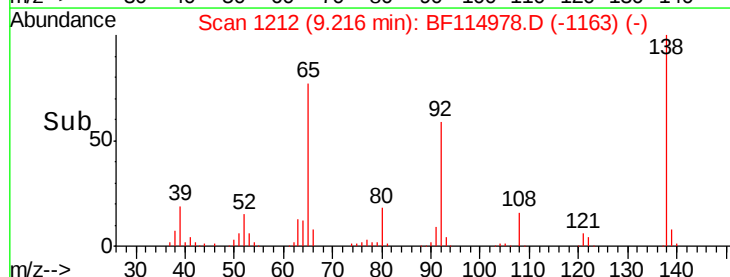
138 130.0 102.0 153.0

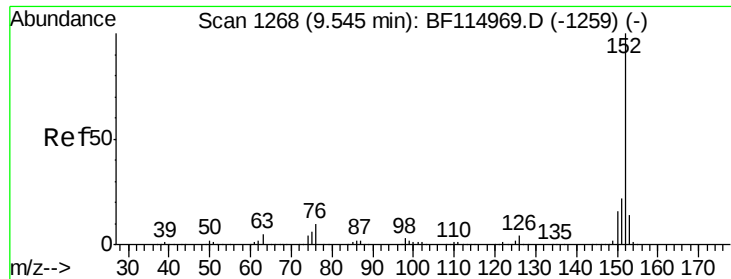


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.531 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

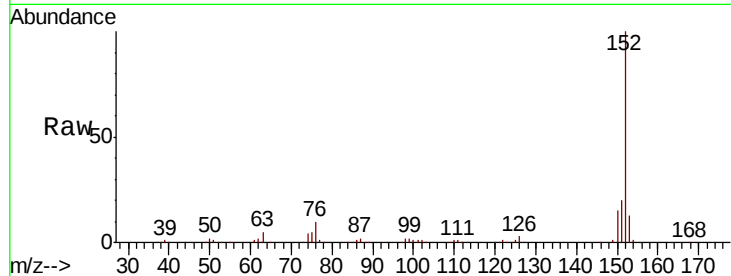
Tgt Ion:152 Resp: 471243

Ion Ratio Lower Upper

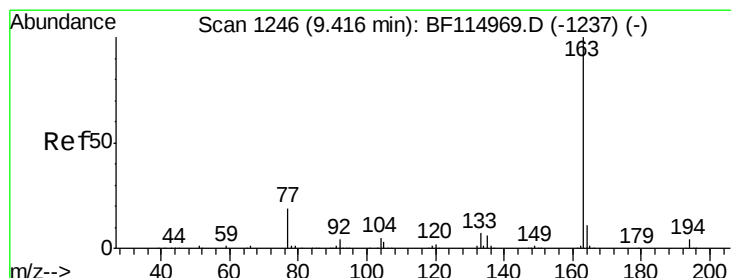
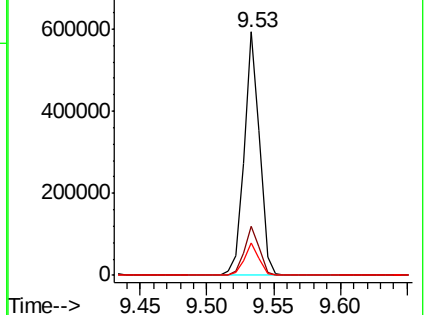
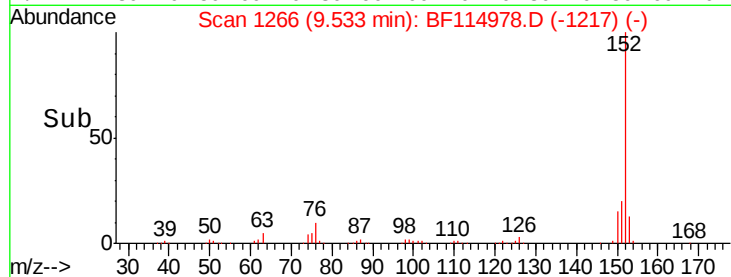
152 100

151 20.0 17.5 26.3

153 13.3 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: 7.889 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

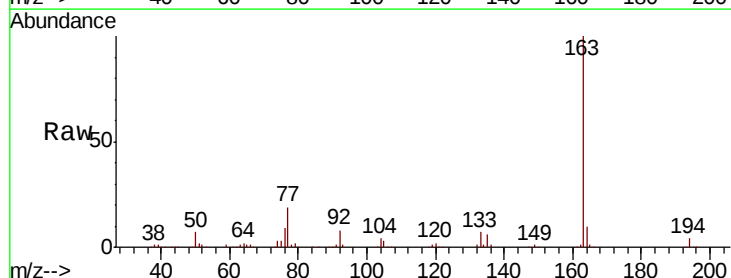
Tgt Ion:163 Resp: 328915

Ion Ratio Lower Upper

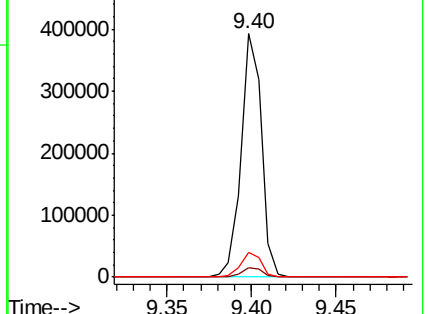
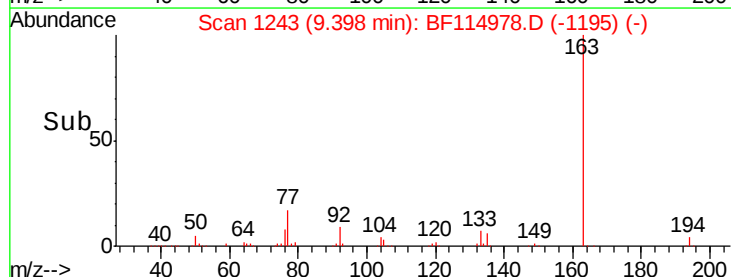
163 100

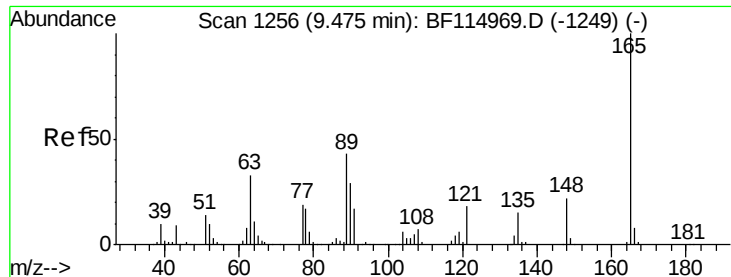
194 3.8 3.3 4.9

164 10.1 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: 7.702 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

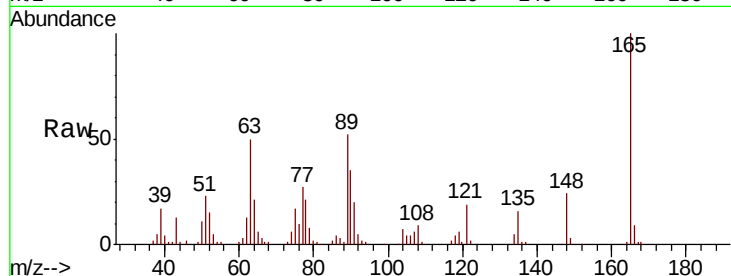
Tgt Ion:165 Resp: 72844

Ion Ratio Lower Upper

165 100

63 50.2 30.6 46.0#

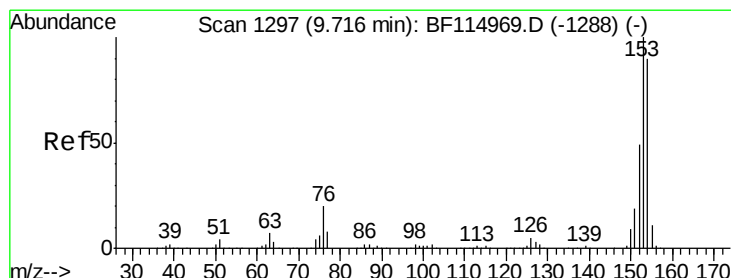
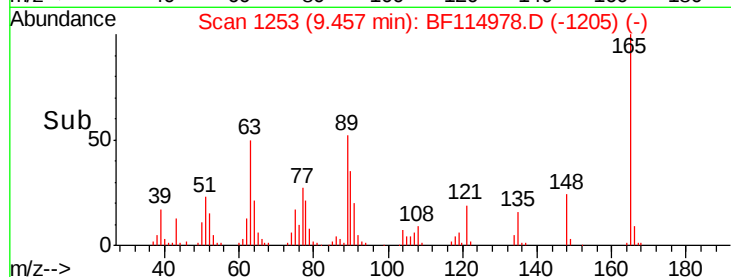
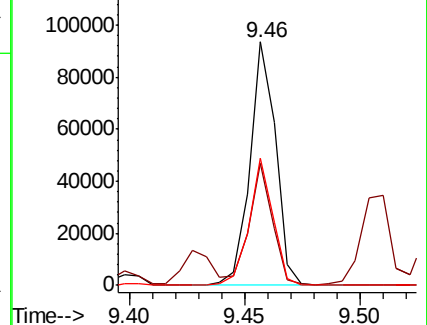
89 52.4 34.4 51.6#



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: 8.576 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

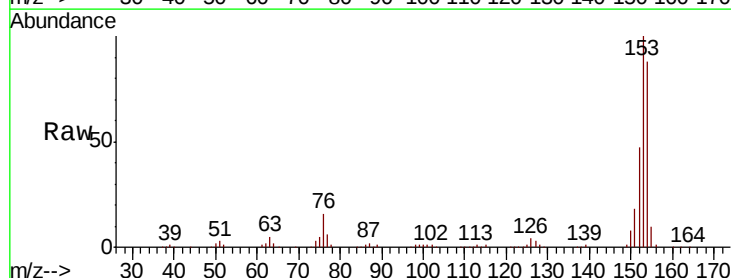
Tgt Ion:154 Resp: 271037

Ion Ratio Lower Upper

154 100

153 113.0 88.5 132.7

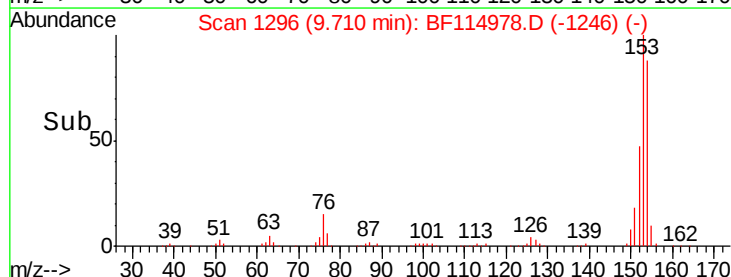
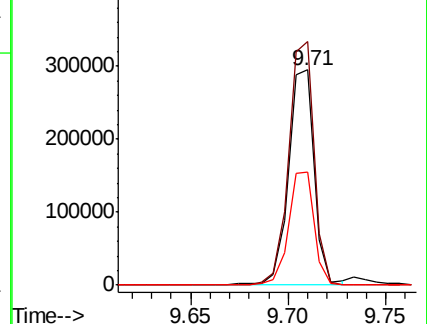
152 52.7 43.6 65.4

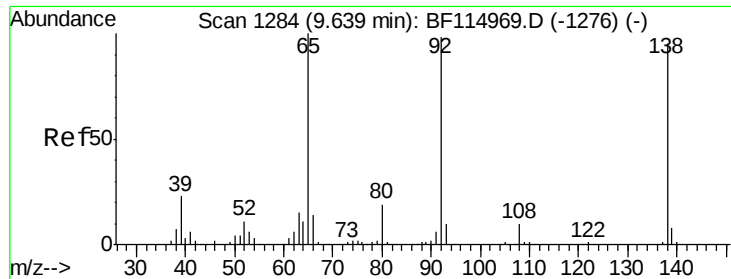


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

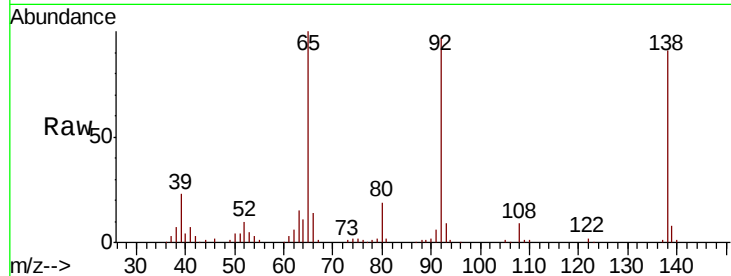




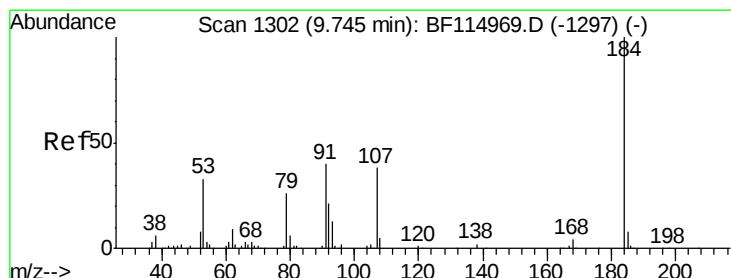
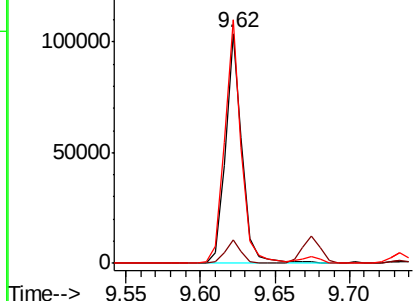
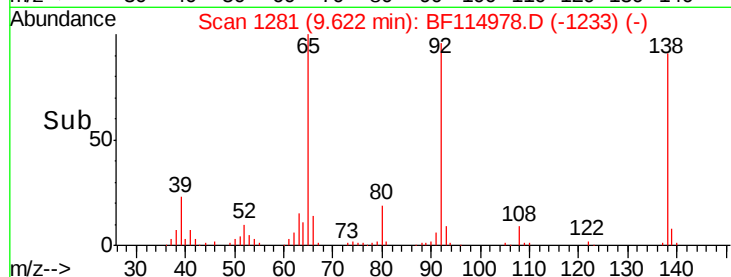
#53
 3-Nitroaniline
 Concen: 7.038 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion:138 Resp: 81551
 Ion Ratio Lower Upper
 138 100
 108 10.0 8.0 12.0
 92 105.9 82.4 123.6

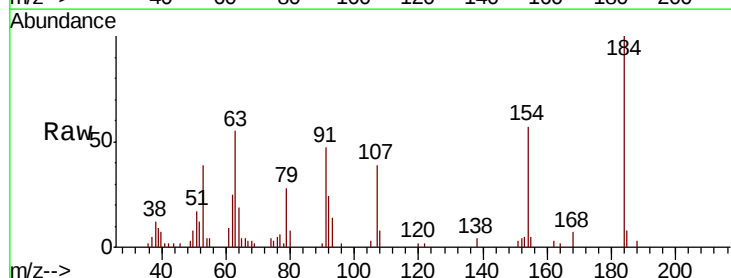


Abundance Ion 138.00 (137.70 to 138.70): E
 150000 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

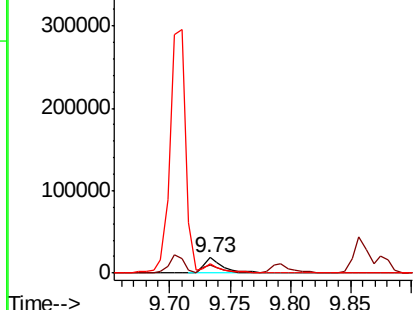
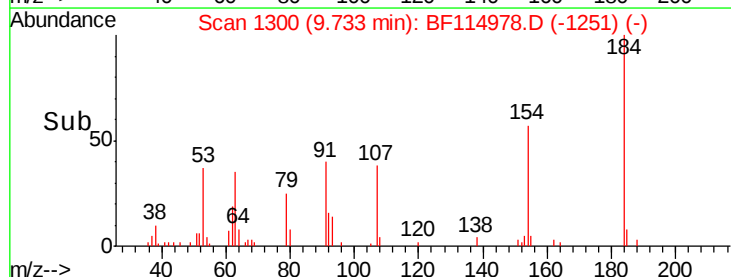


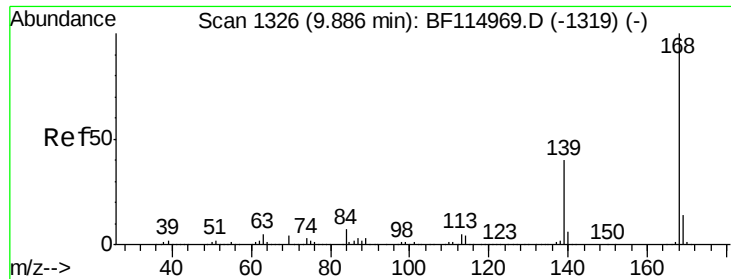
#54
 2,4-Dinitrophenol
 Concen: 4.718 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:184 Resp: 21642
 Ion Ratio Lower Upper
 184 100
 63 54.9 40.5 60.7
 154 57.2 44.8 67.2



Abundance Ion 184.00 (183.70 to 184.70): E
 400000 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

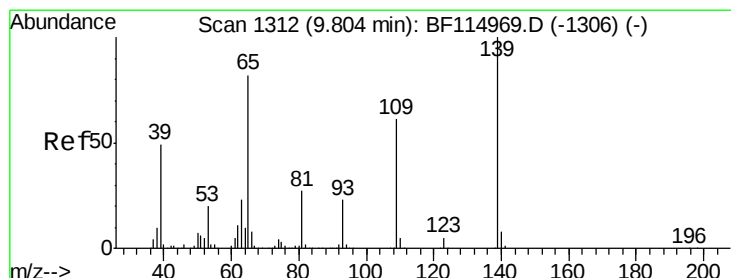
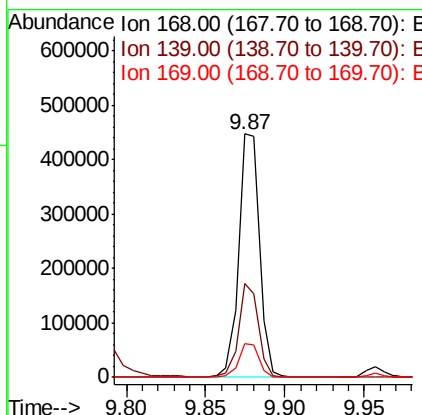
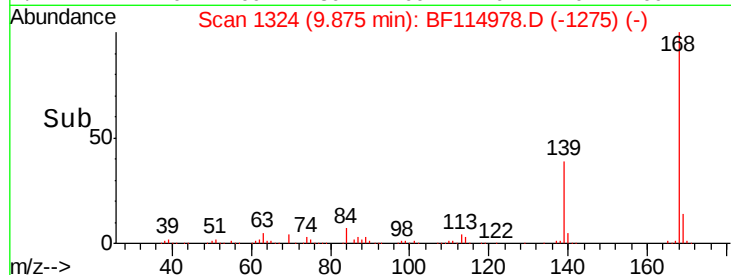
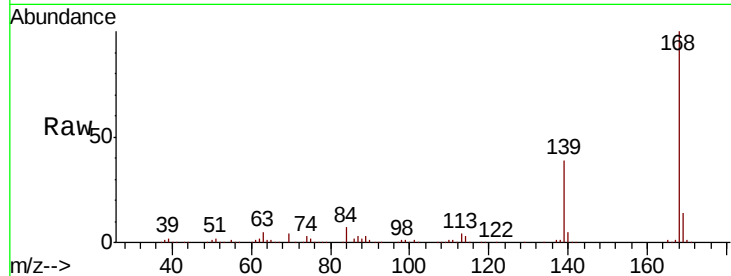




#55
Dibenzenofuran
Concen: 8.582 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

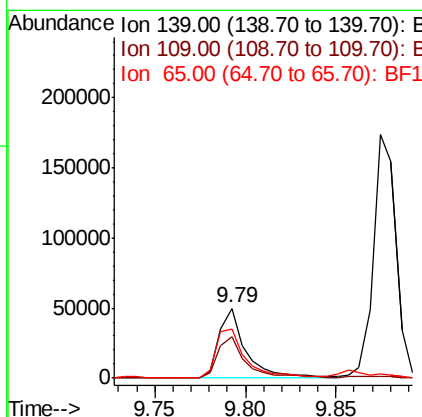
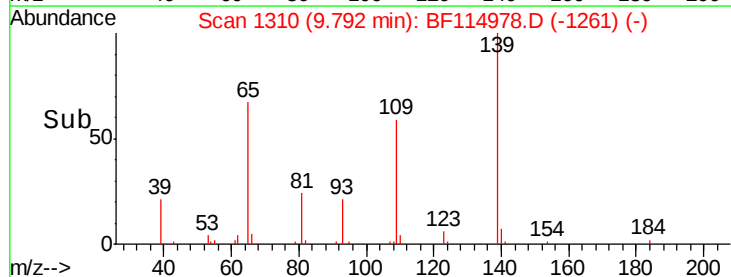
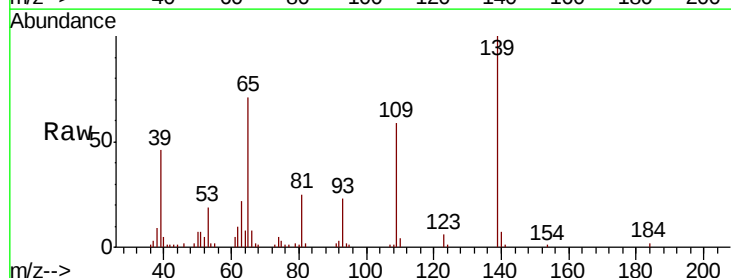
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

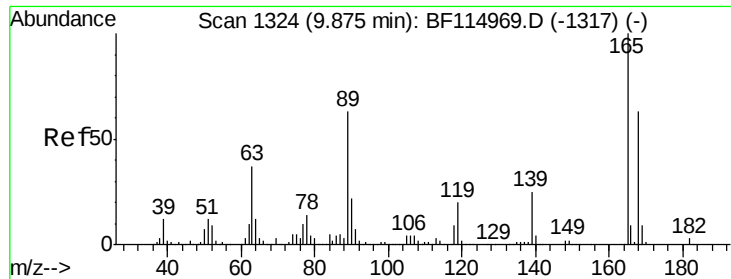
Tgt Ion:168 Resp: 408736
Ion Ratio Lower Upper
168 100
139 38.8 32.5 48.7
169 13.8 11.5 17.3



#56
4-Nitrophenol
Concen: 6.474 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:139 Resp: 51733
Ion Ratio Lower Upper
139 100
109 59.2 41.4 81.4
65 70.9 62.7 102.7

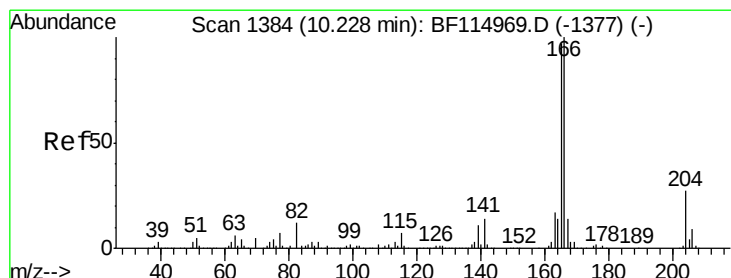
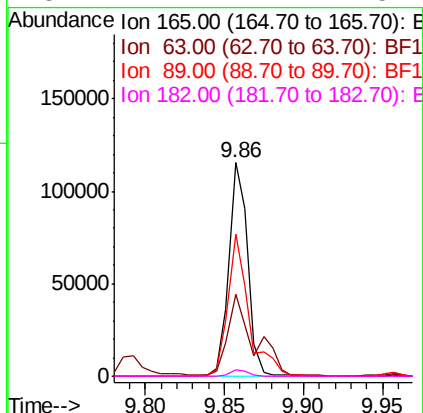
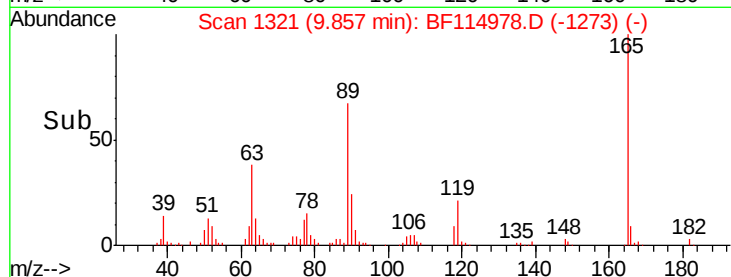
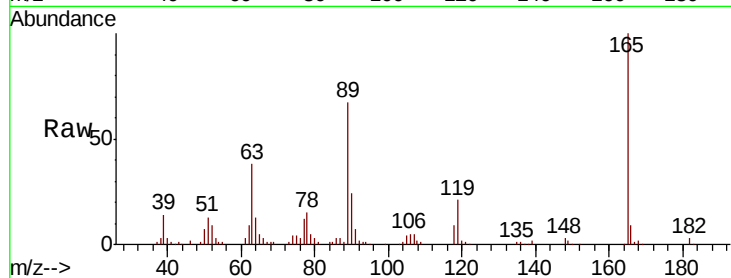




#57
2,4-Dinitrotoluene
Concen: 7.916 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

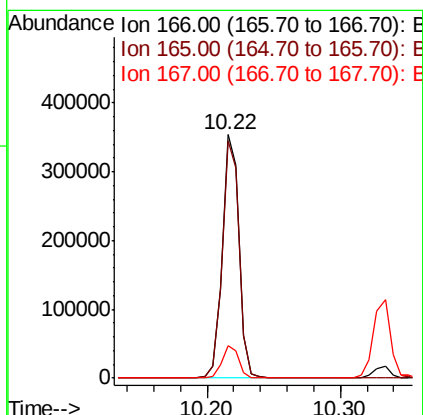
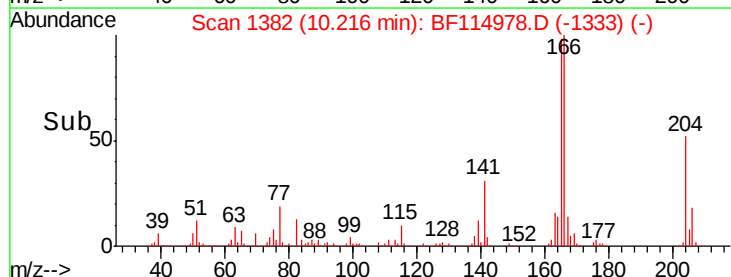
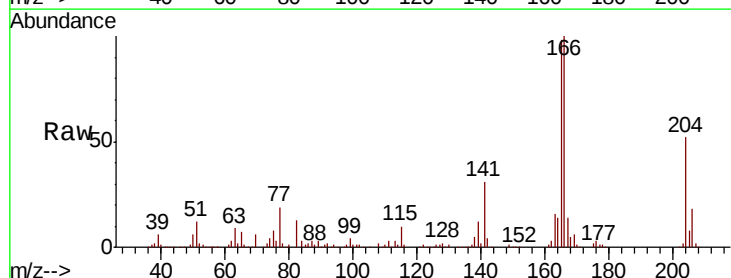
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

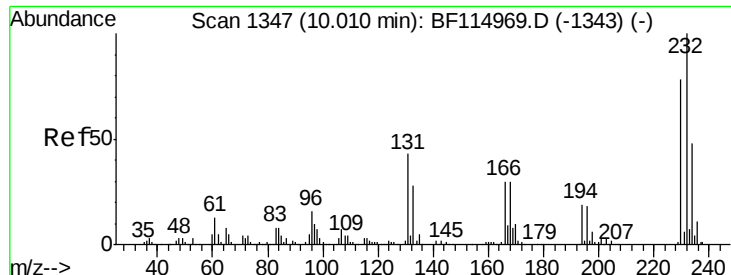
Tgt Ion:	165	Resp:	95295
Ion	Ratio	Lower	Upper
165	100		
63	38.3	29.4	44.2
89	66.7	50.6	75.8
182	2.7	2.2	3.2



#58
Fluorene
Concen: 2.486 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	166	Resp:	313399
Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.6	116.4
167	13.5	11.0	16.4

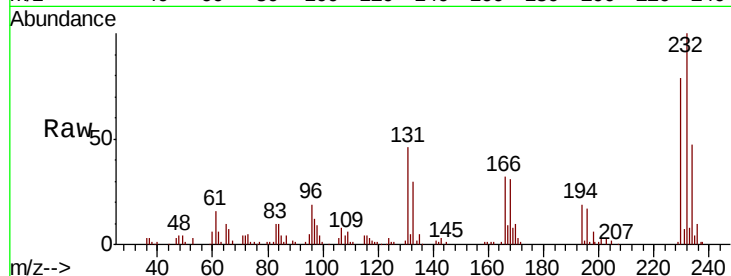




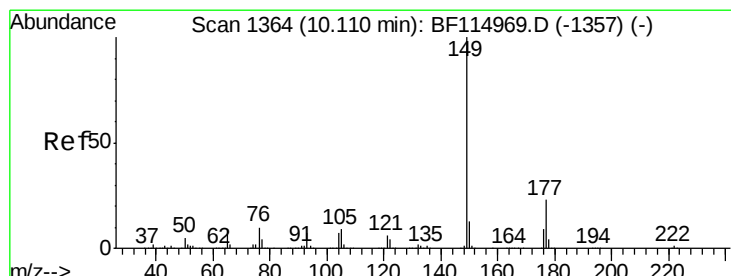
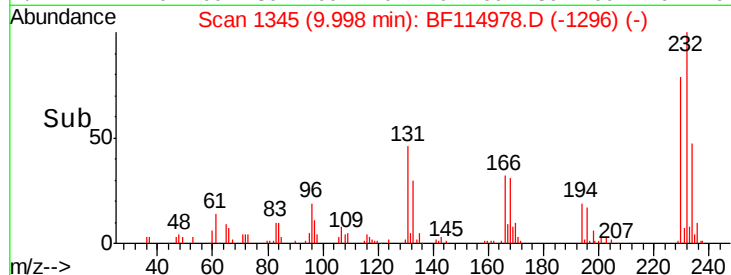
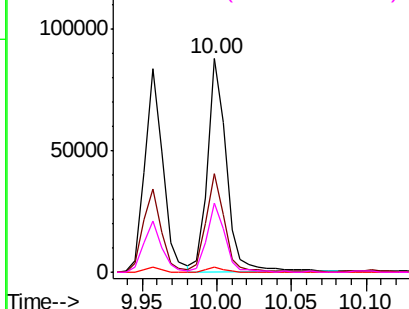
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.575 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion: 232 Resp: 75646
 Ion Ratio Lower Upper
 232 100
 131 47.1 36.9 55.3
 130 2.2 1.8 2.6
 166 31.7 24.8 37.2

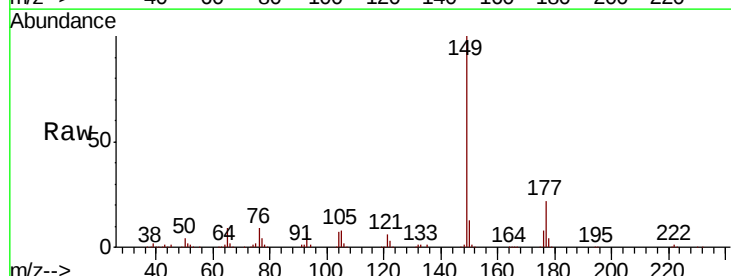


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

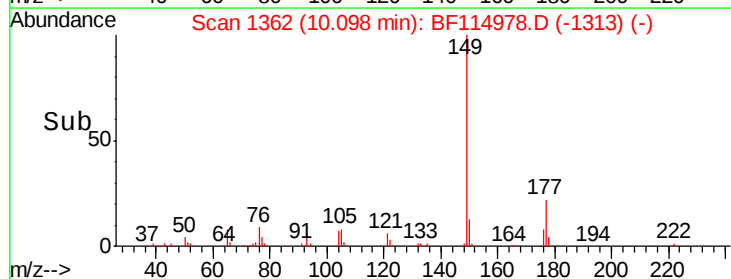
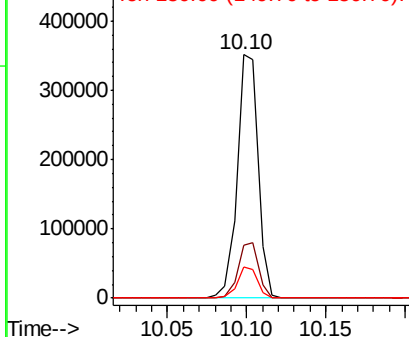


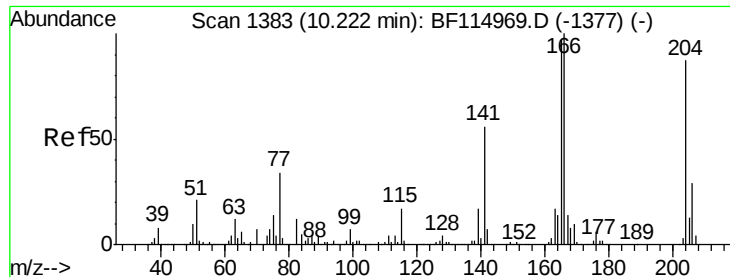
#60
 Diethylphthalate
 Concen: 8.065 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 149 Resp: 321531
 Ion Ratio Lower Upper
 149 100
 177 22.0 18.6 27.8
 150 12.7 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

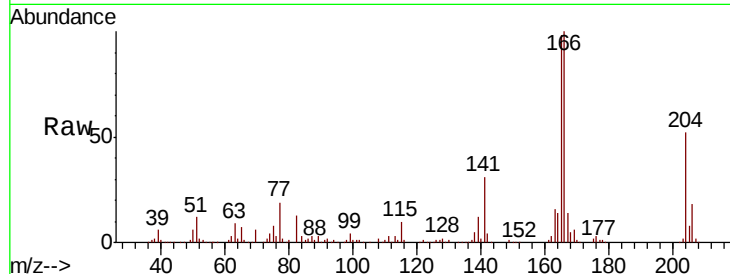




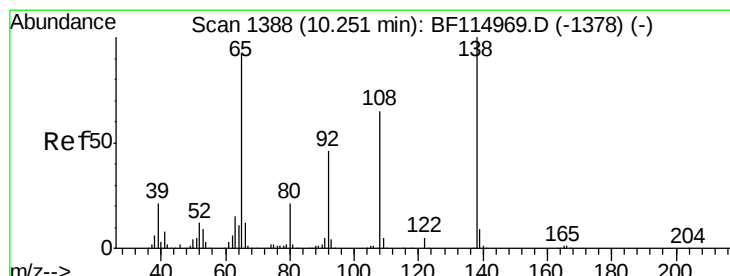
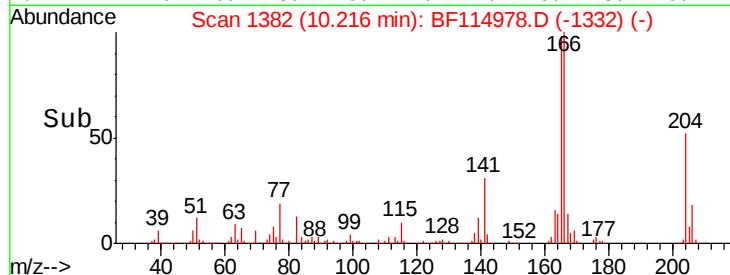
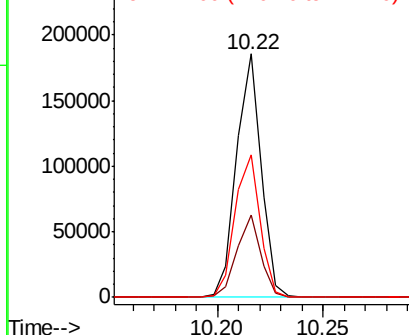
#61
 4-Chlorophenyl-phenylether
 Concen: 2.289 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.5	39.7
141	58.5	51.8	77.8

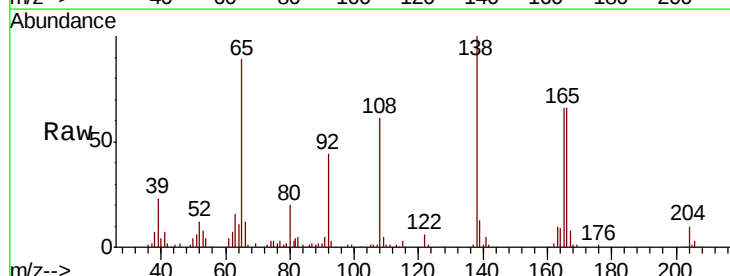


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

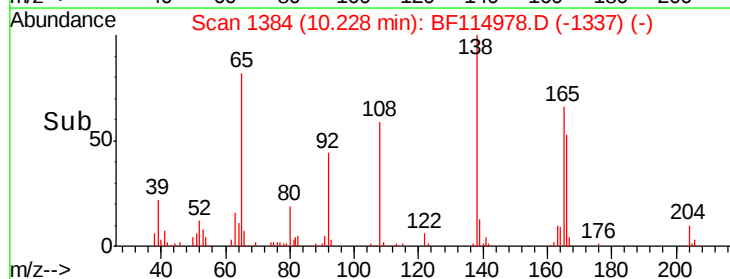
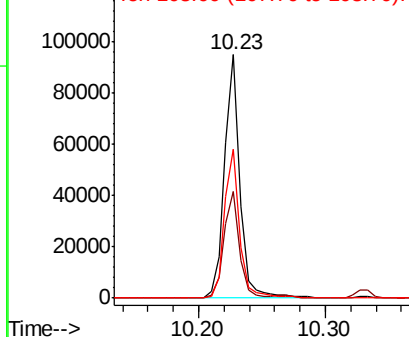


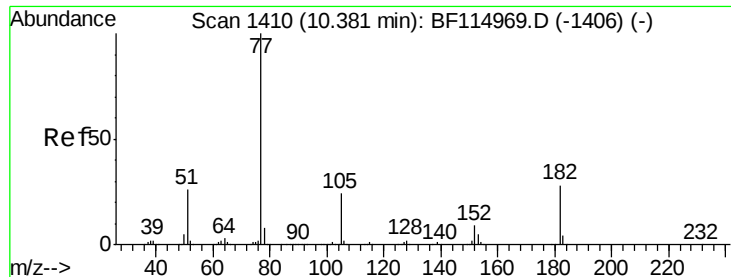
#62
 4-Nitroaniline
 Concen: 6.940 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.6	25.7	65.7
108	61.3	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

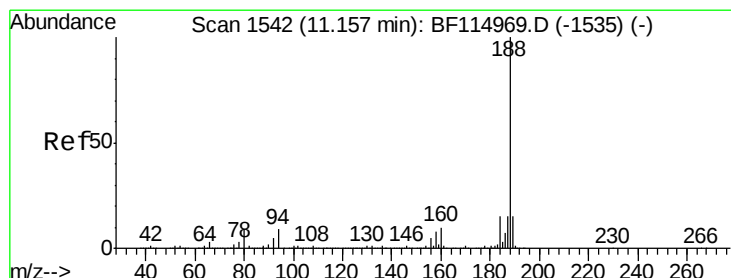
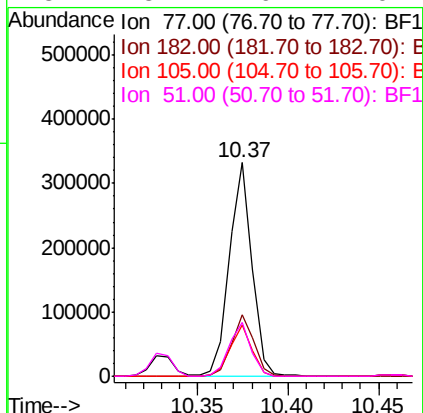
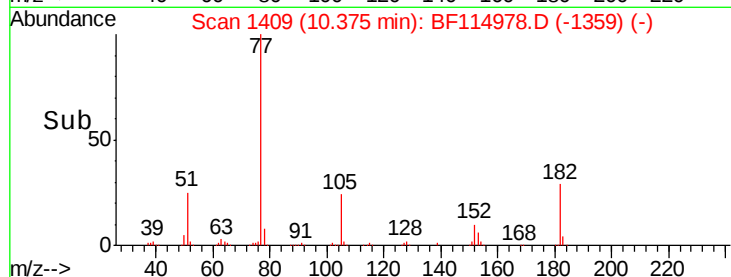
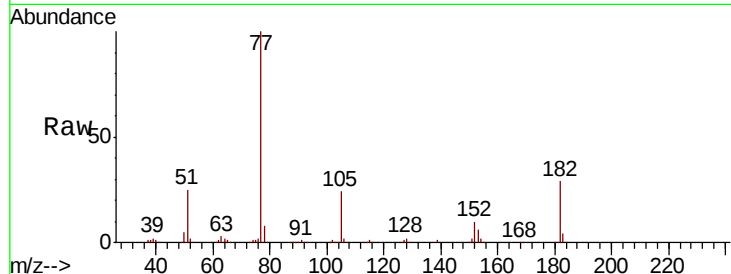




#63
Azobenzene
Concen: 8.263 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

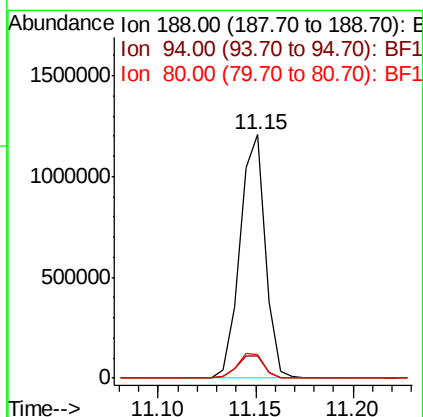
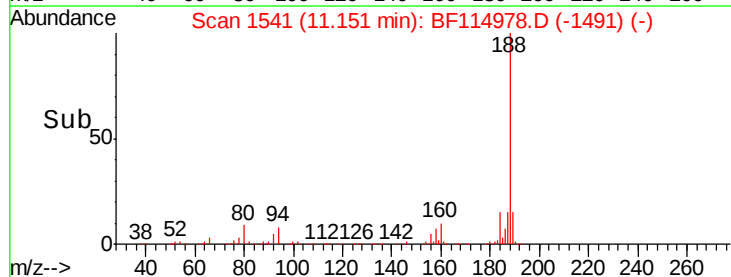
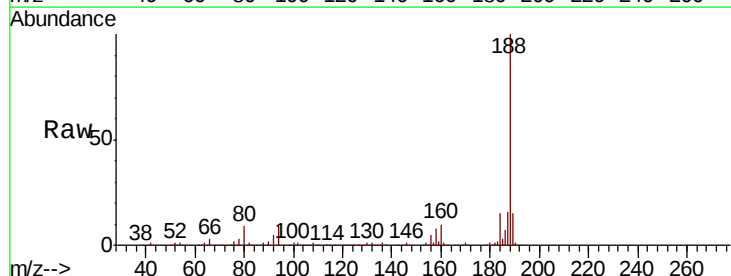
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

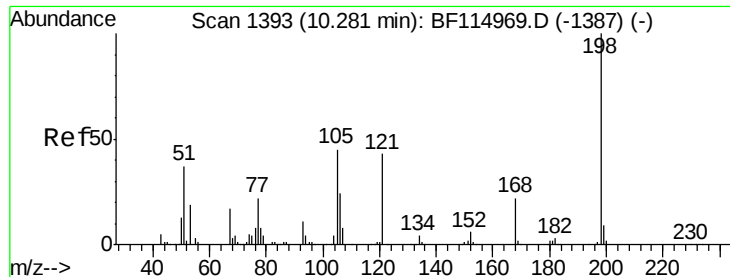
Tgt Ion:	77	Resp:	288185
Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.4	47.4
105	23.9	4.2	44.2
51	25.1	6.2	46.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	188	Resp:	1087696
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.5	7.4	11.2





#65

4,6-Dinitro-2-methylphenol

Concen: 6.148 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

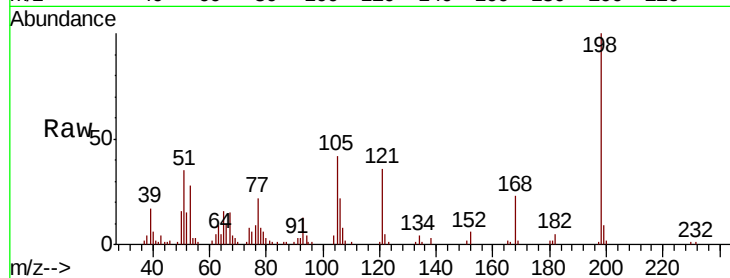
Tgt Ion:198 Resp: 37480

Ion Ratio Lower Upper

198 100

51 35.2 23.0 63.0

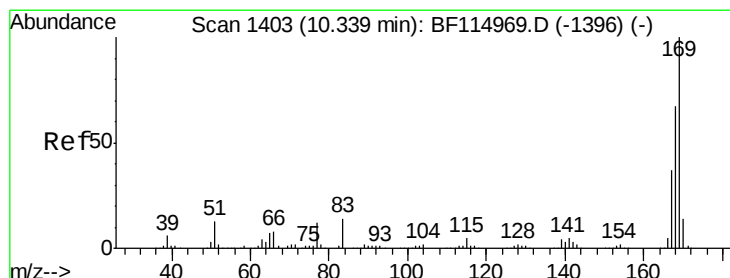
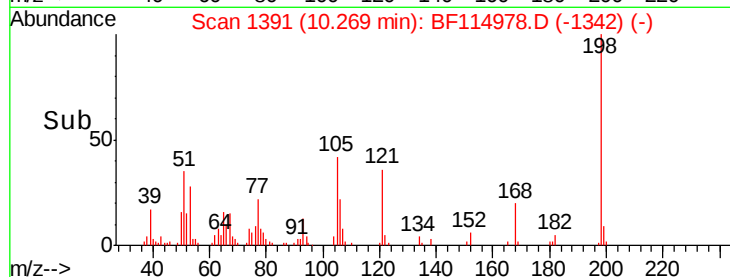
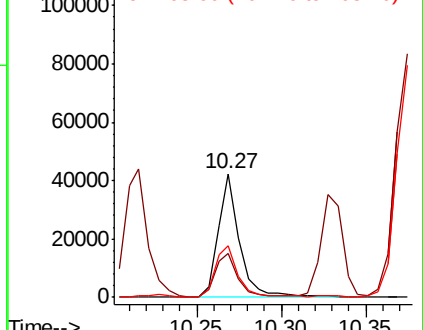
105 41.8 26.5 66.5



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: 8.375 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

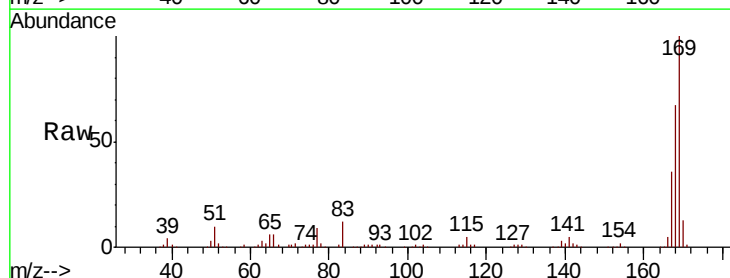
Tgt Ion:169 Resp: 272313

Ion Ratio Lower Upper

169 100

168 66.5 53.6 80.4

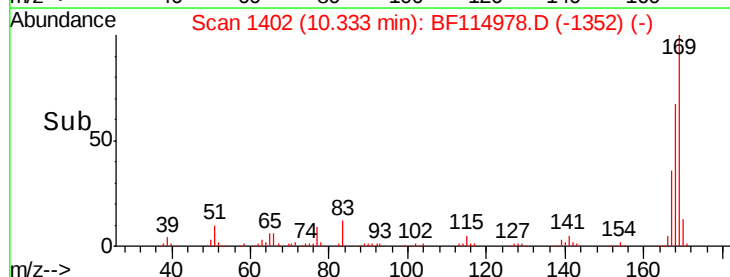
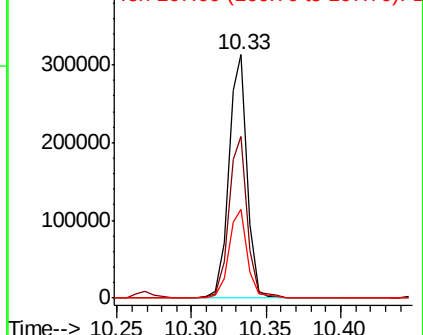
167 36.4 29.6 44.4

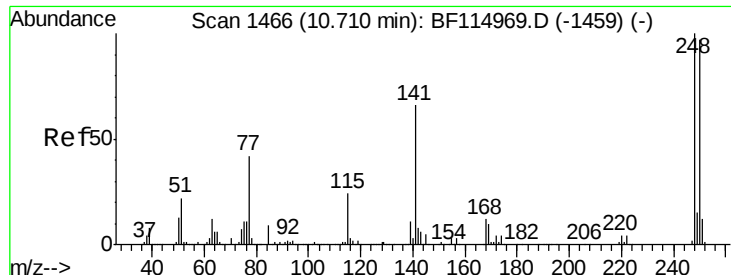


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

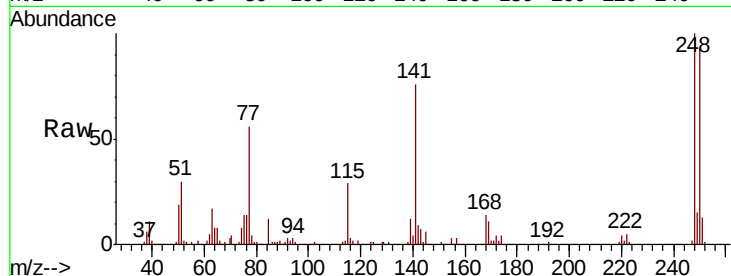




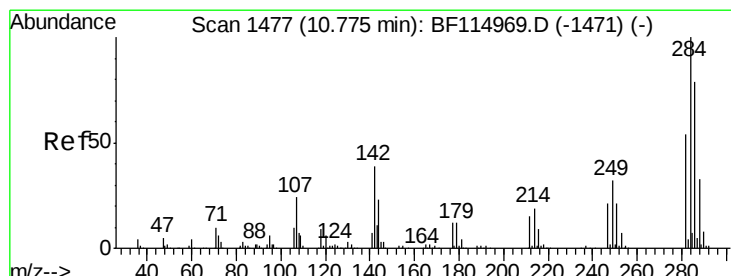
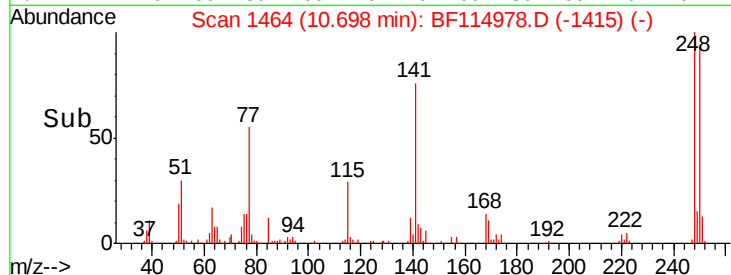
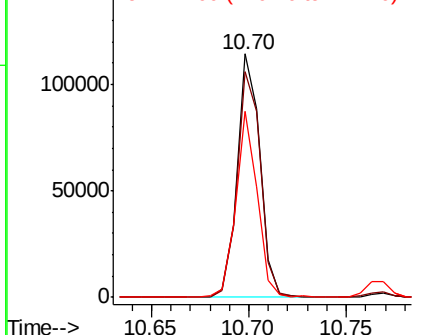
#67
 4-Bromophenyl-phenylether
 Concen: 7.917 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tgt Ion: 248 Resp: 92460
 Ion Ratio Lower Upper
 248 100
 250 92.6 77.8 116.8
 141 76.2 53.1 79.7

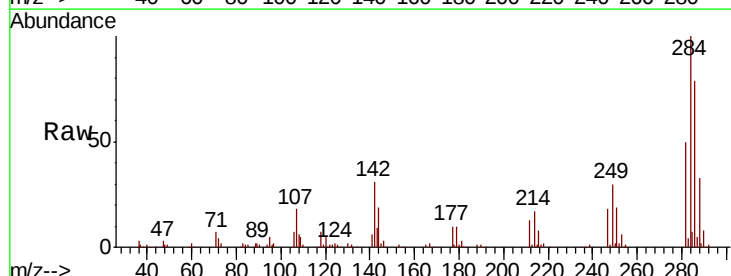


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

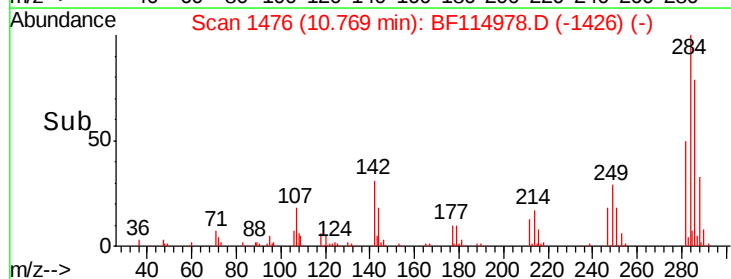
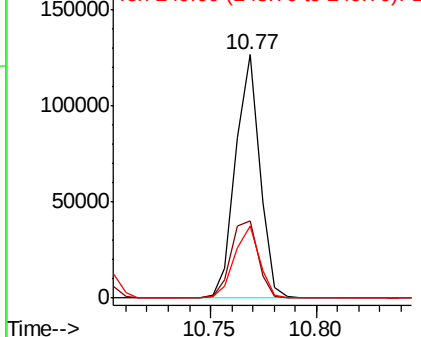


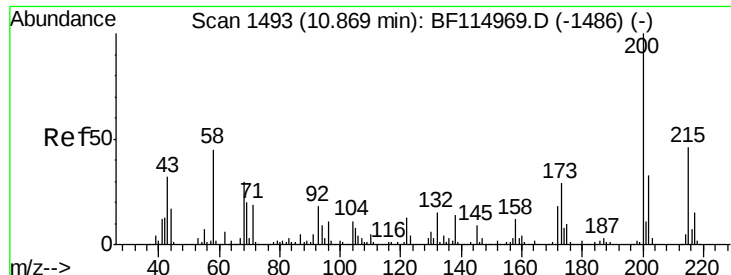
#68
 Hexachlorobenzene
 Concen: 7.782 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 284 Resp: 100060
 Ion Ratio Lower Upper
 284 100
 142 31.5 31.5 47.3#
 249 29.7 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

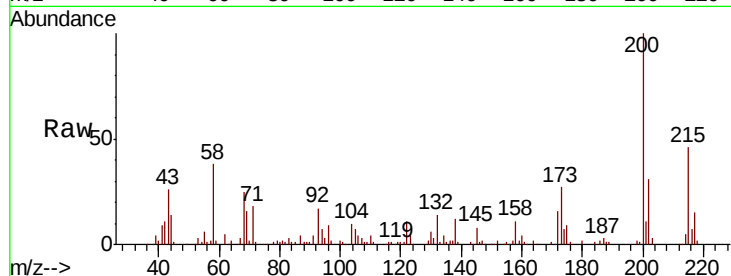




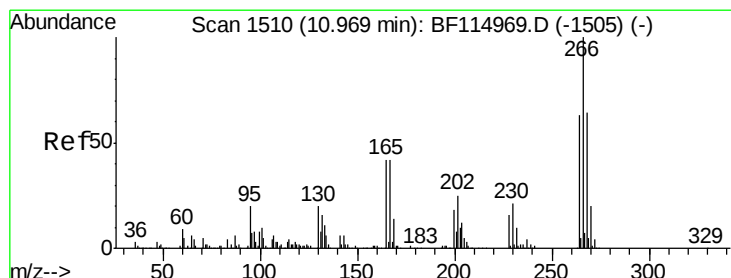
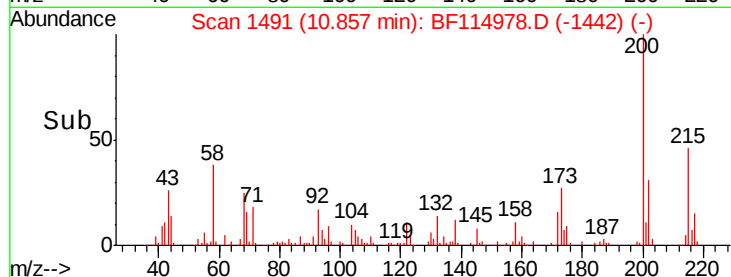
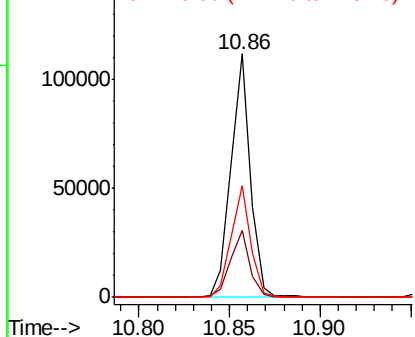
#69
Atrazine
Concen: 8.064 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.3	9.0	49.0
215	45.9	26.5	66.5

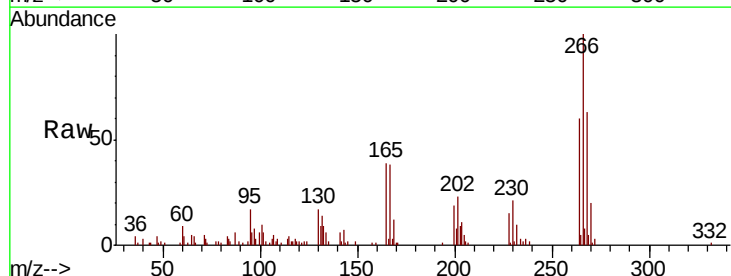


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

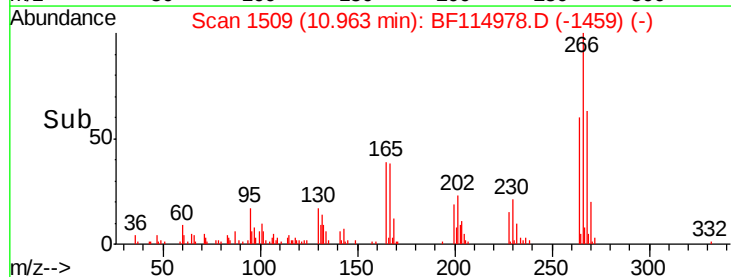
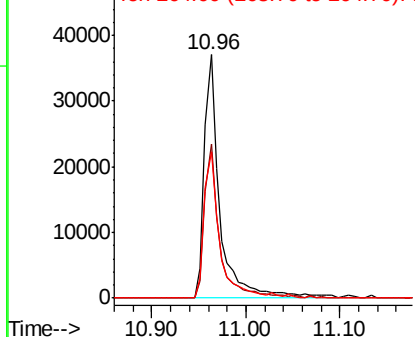


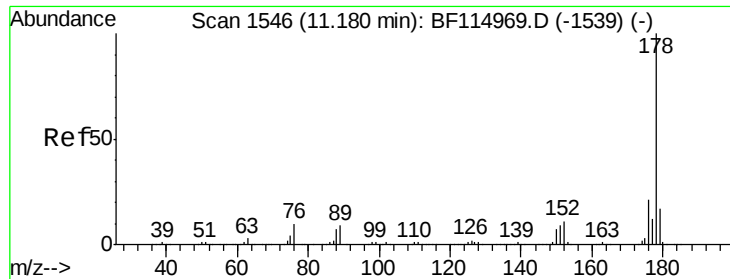
#70
Pentachlorophenol
Concen: 6.202 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.4	77.2
264	60.3	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

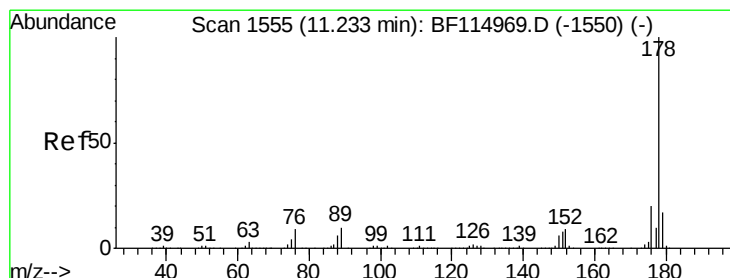
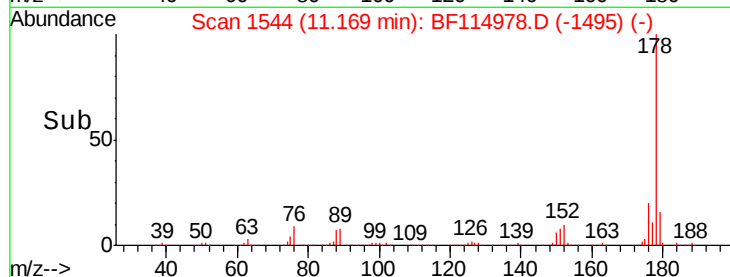
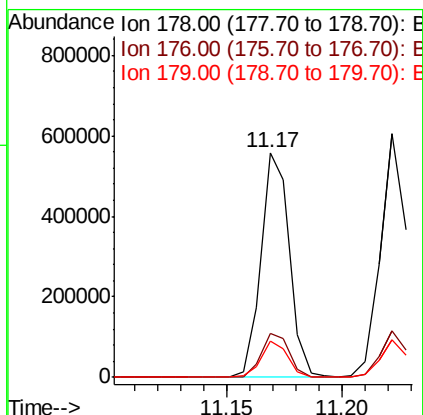
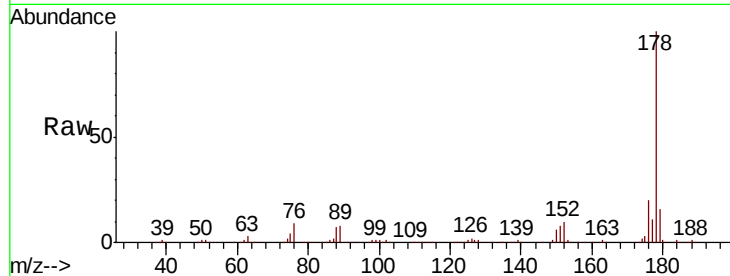




#71
Phenanthrene
Concen: 8.558 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

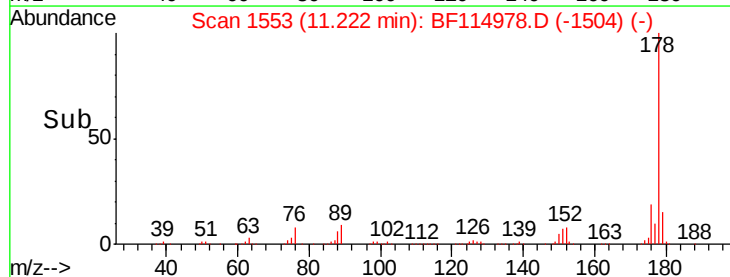
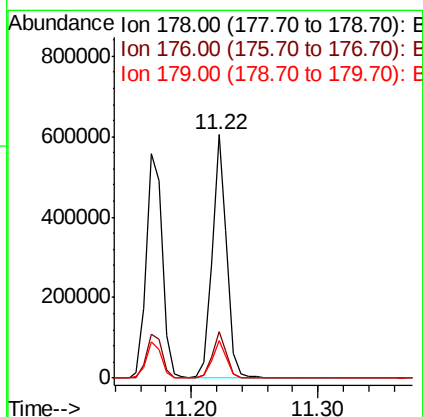
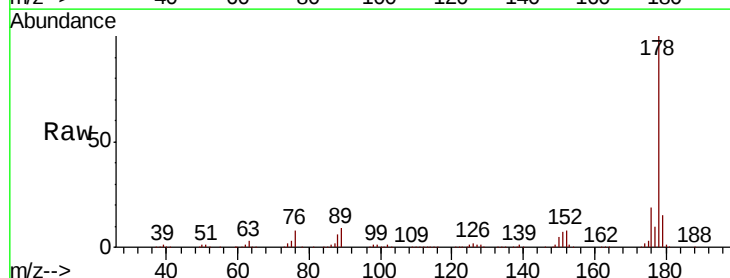
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

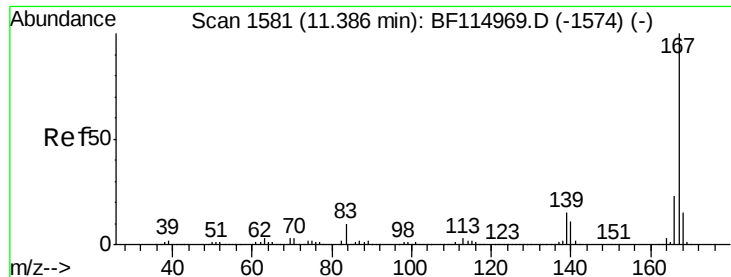
Tgt Ion:178 Resp: 480584
Ion Ratio Lower Upper
178 100
176 19.8 16.9 25.3
179 16.1 13.4 20.0



#72
Anthracene
Concen: 8.614 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:178 Resp: 488050
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.4 13.2 19.8

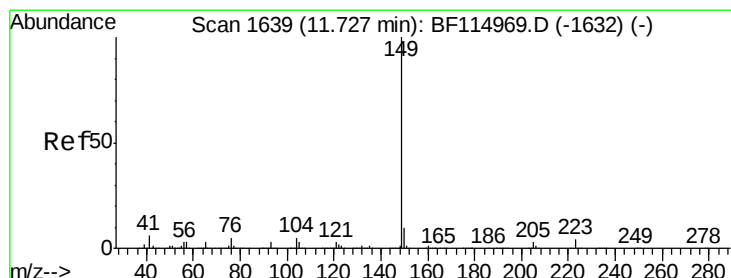
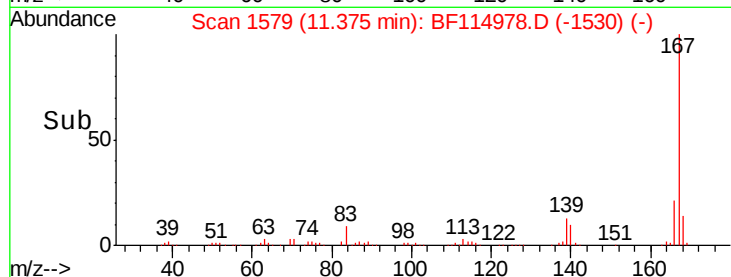
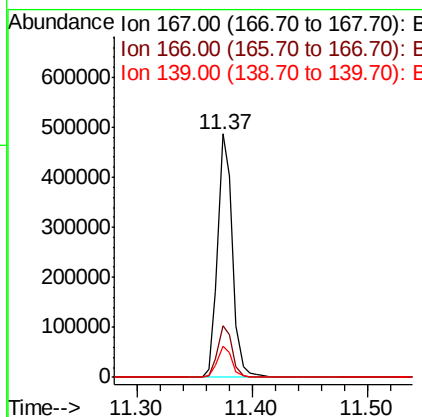
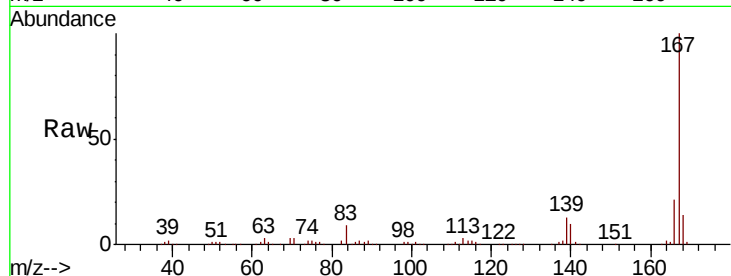




#73
 Carbazole
 Concen: 8.806 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

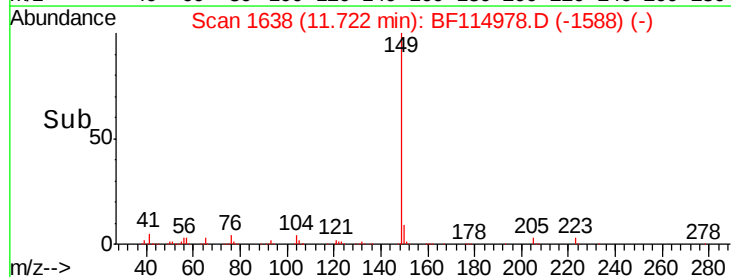
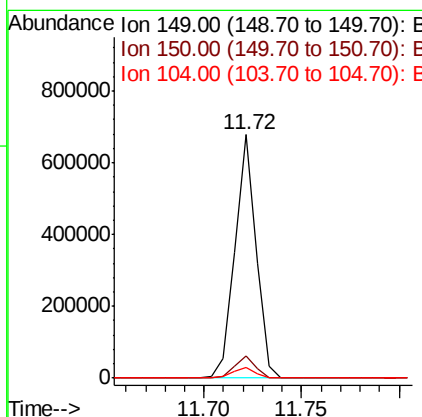
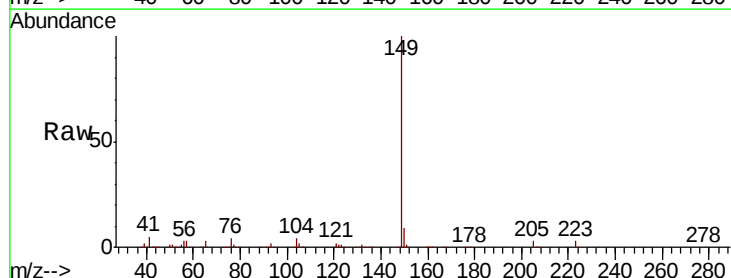
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

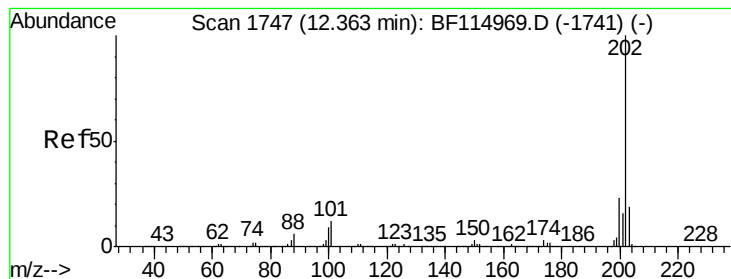
Tgt Ion:167 Resp: 435467
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.5 27.7
 139 13.0 12.0 18.0



#74
 Di-n-butylphthalate
 Concen: 8.161 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:149 Resp: 508742
 Ion Ratio Lower Upper
 149 100
 150 9.3 8.1 12.1
 104 4.2 4.0 6.0





#75

Fluoranthene

Concen: 8.540 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

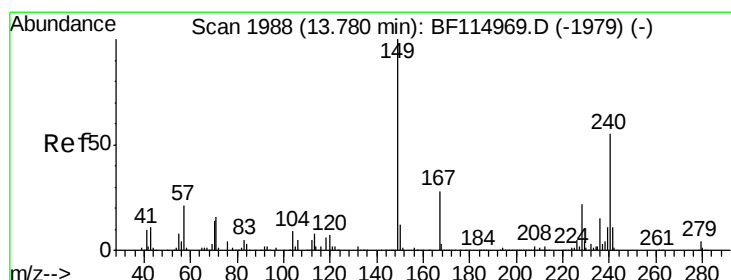
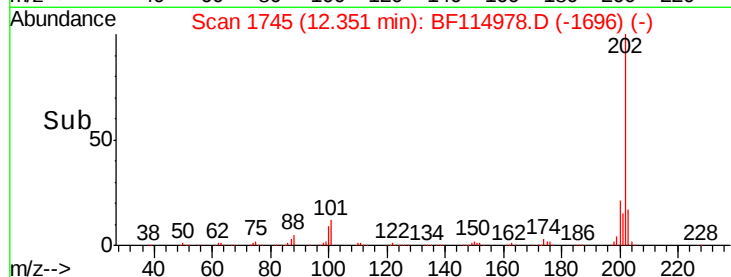
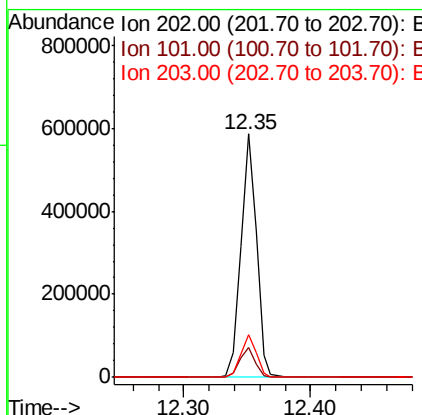
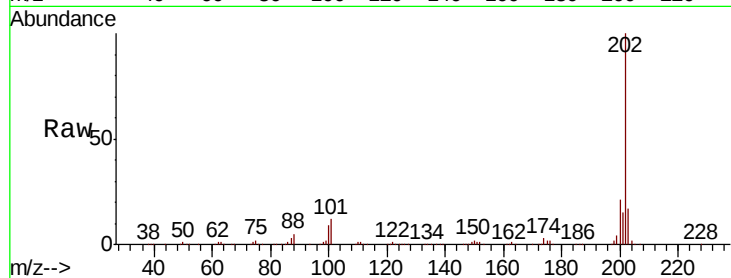
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	202	Resp:	490433
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.4
203	17.4	0.0	38.6



#76

Chrysene-d12

Concen: 20.000 ng

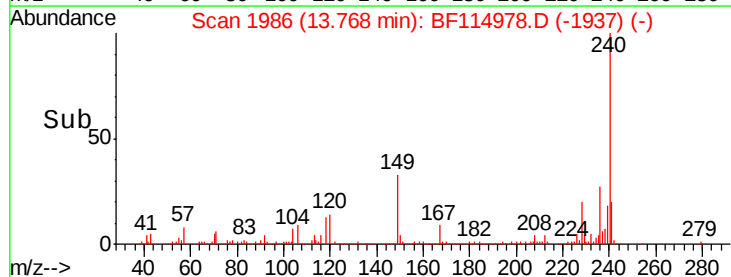
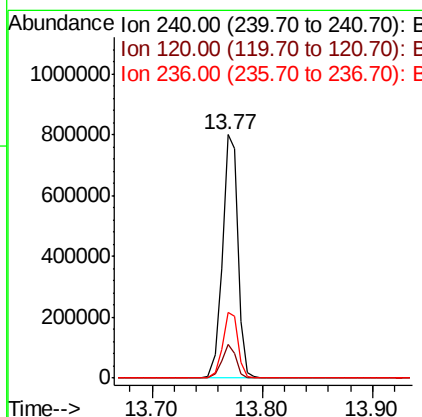
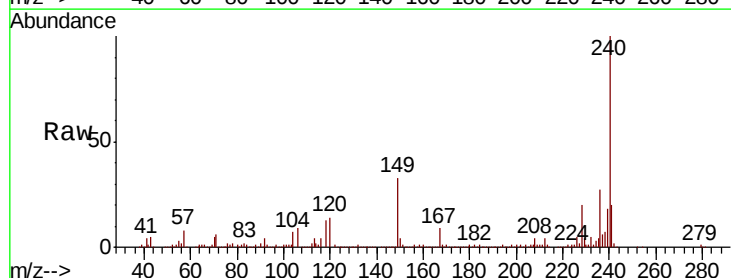
RT: 13.77 min Scan# 1986

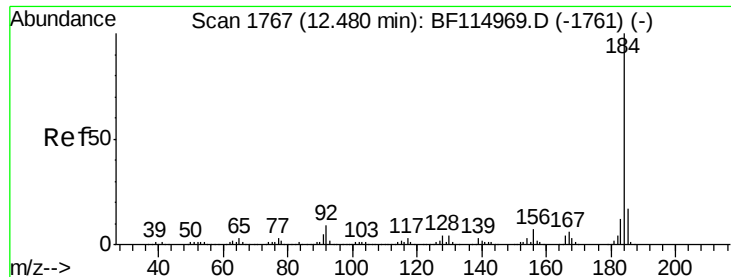
Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Tgt Ion:	240	Resp:	784425
Ion Ratio	Lower	Upper	
240	100		
120	13.8	10.0	15.0
236	26.8	21.6	32.4





#77

Benzidine

Concen: 6.867 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

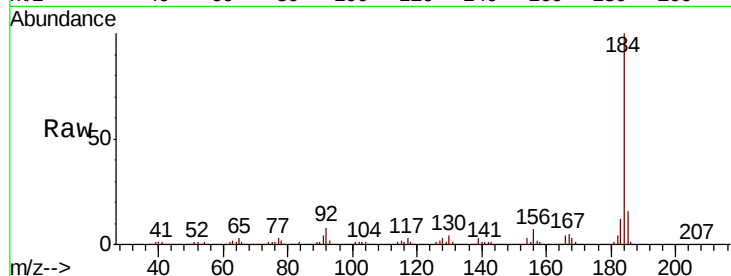
Tgt Ion:184 Resp: 217863

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

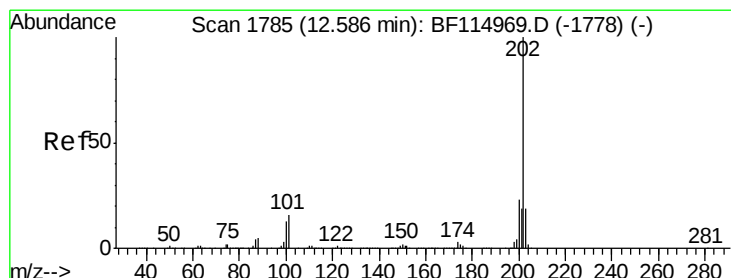
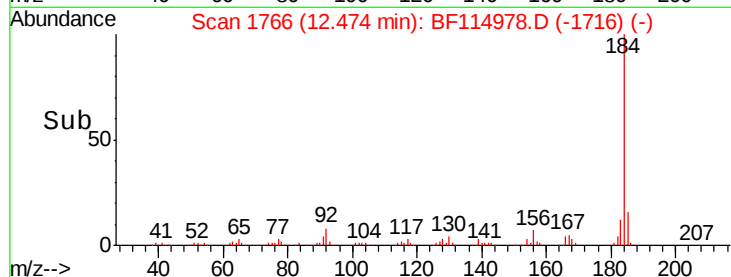
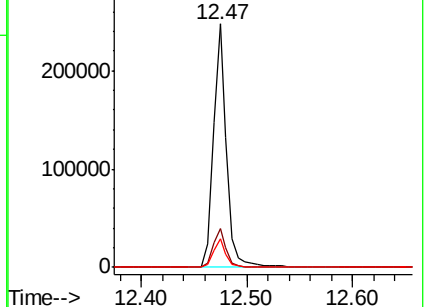
183 11.5 9.8 14.6



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: 7.073 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

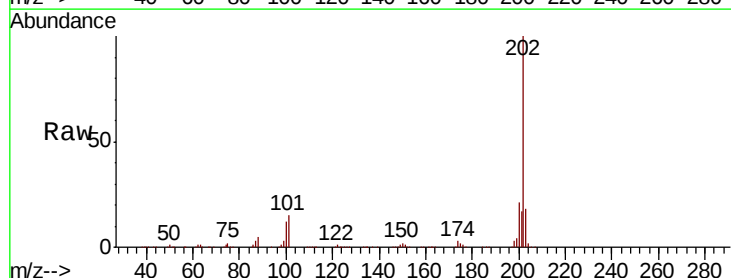
Tgt Ion:202 Resp: 505448

Ion Ratio Lower Upper

202 100

200 21.1 18.4 27.6

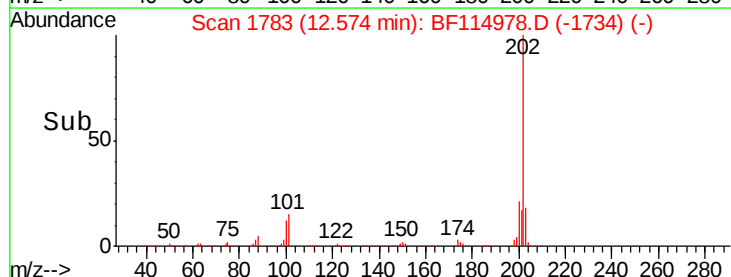
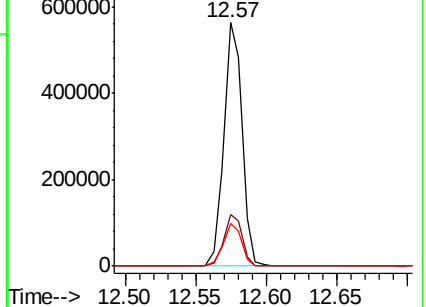
203 17.6 14.9 22.3

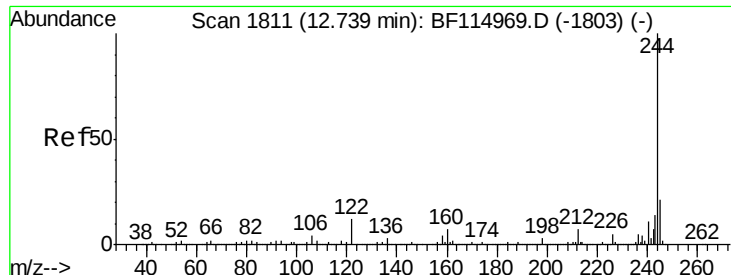


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

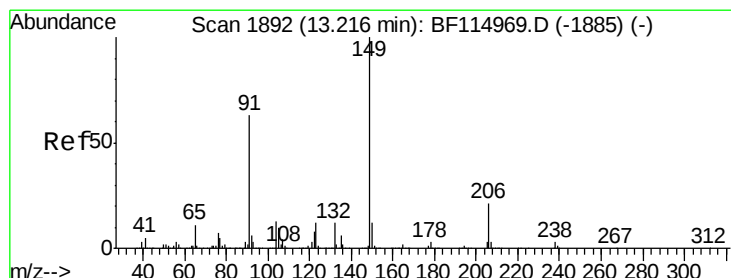
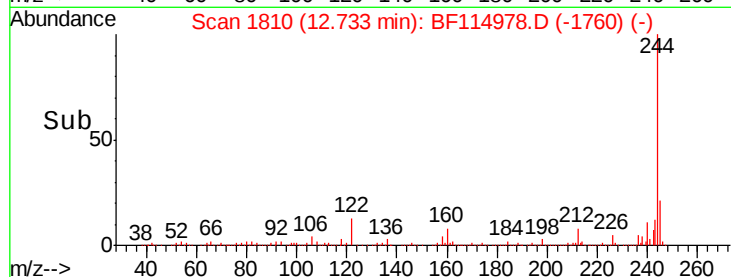
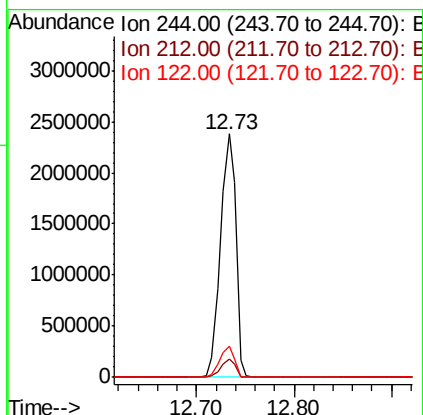
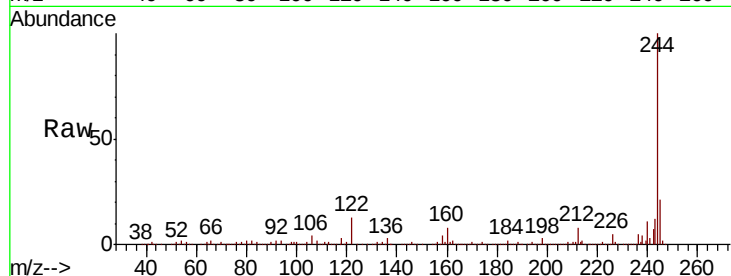




#79
 Terphenyl-d14
 Concen: 62.600 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

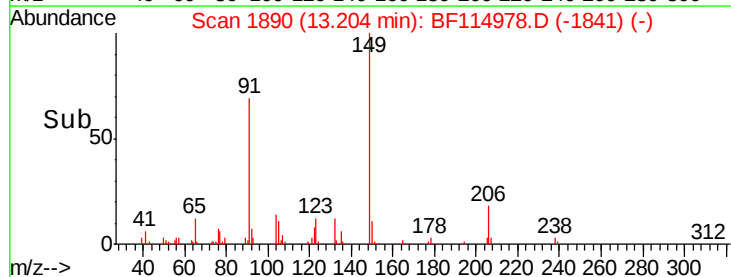
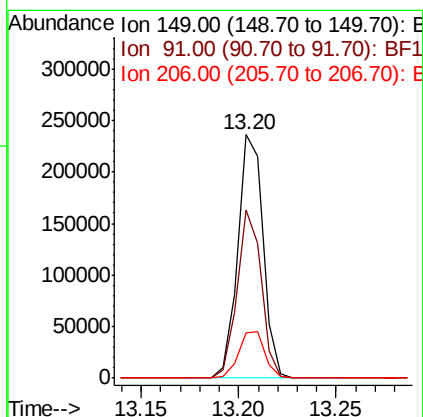
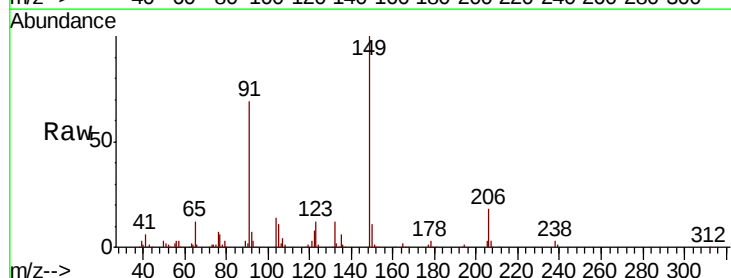
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

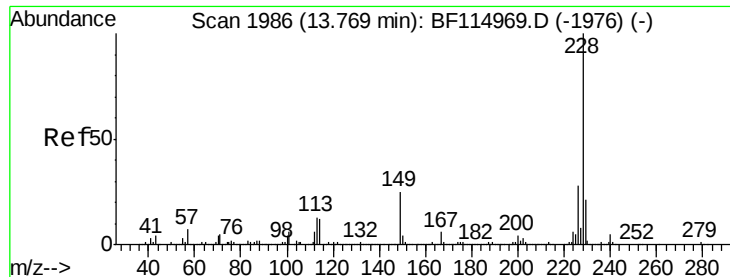
Tgt Ion: 244 Resp: 2610761
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 12.7 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 6.359 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 149 Resp: 212231
 Ion Ratio Lower Upper
 149 100
 91 68.9 50.6 76.0
 206 18.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 7.396 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

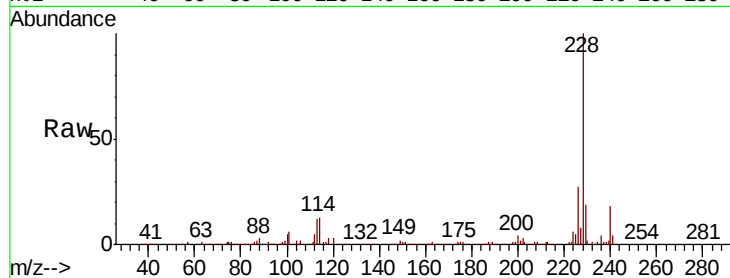
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	228	Resp:	434125
Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	19.5	16.6	25.0

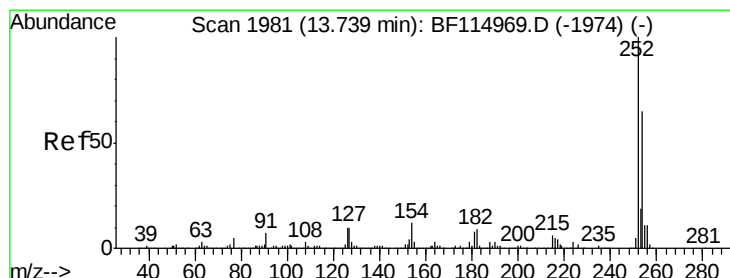
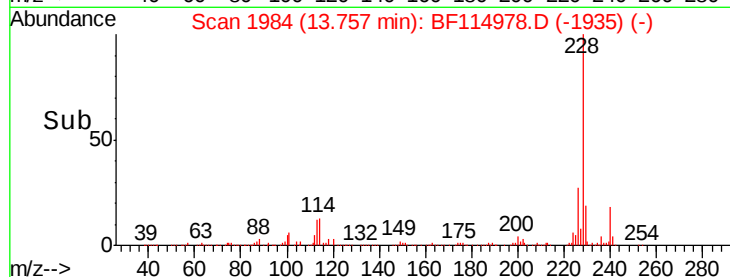
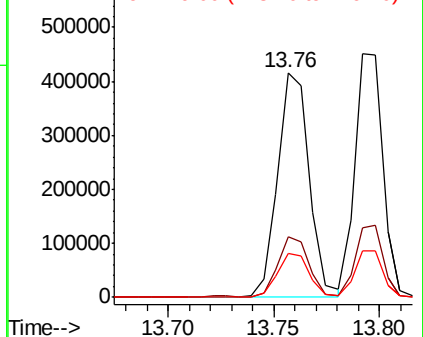


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 6.886 ng

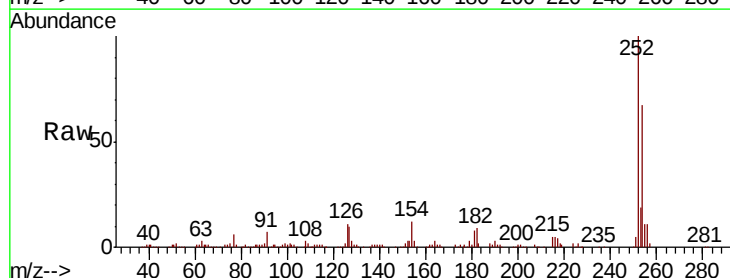
RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Tgt Ion:	252	Resp:	154960
Ion	Ratio	Lower	Upper
252	100		
254	66.9	52.2	78.4
126	10.9	8.0	12.0

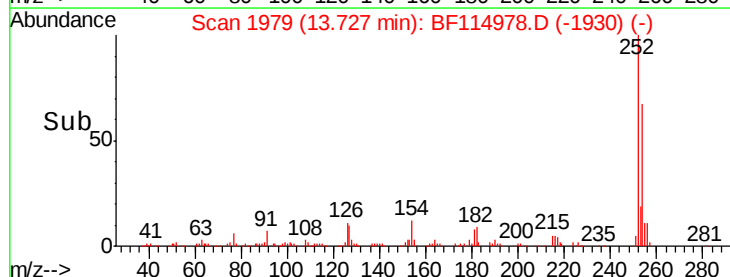
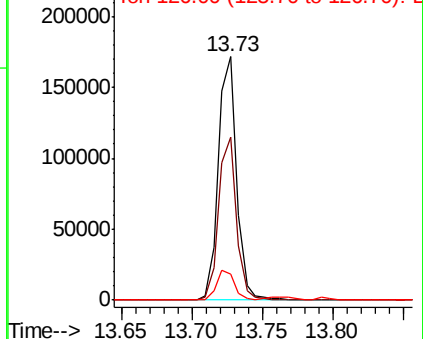


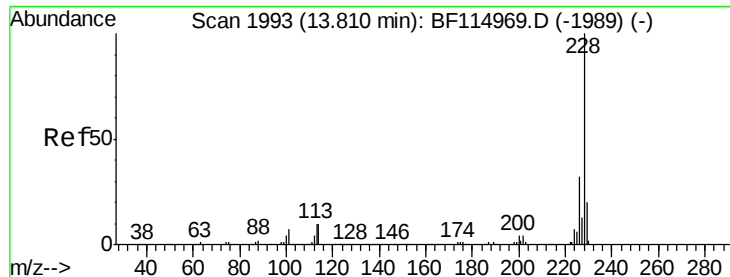
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.210 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

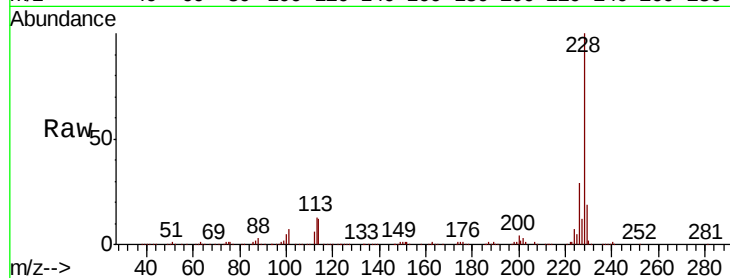
Tgt Ion: 228 Resp: 420868

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.0

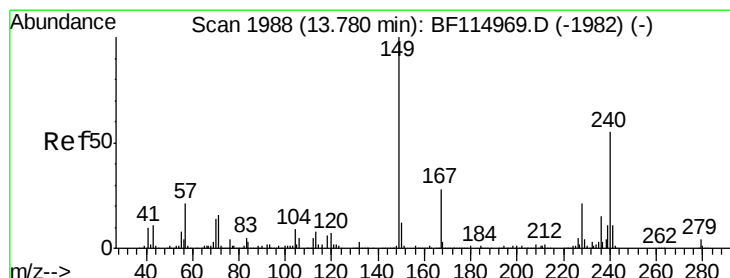
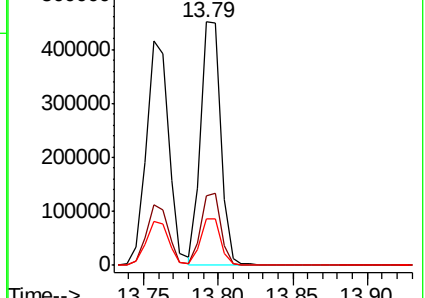
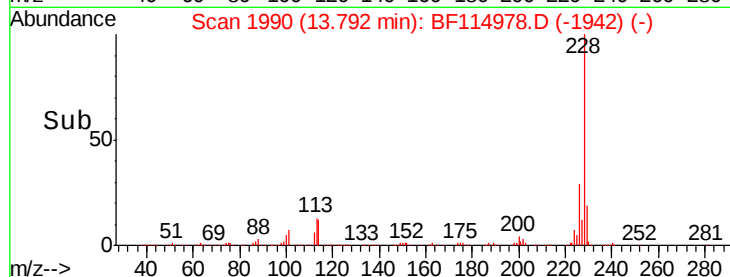
229 19.2 16.4 24.6



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: 6.963 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

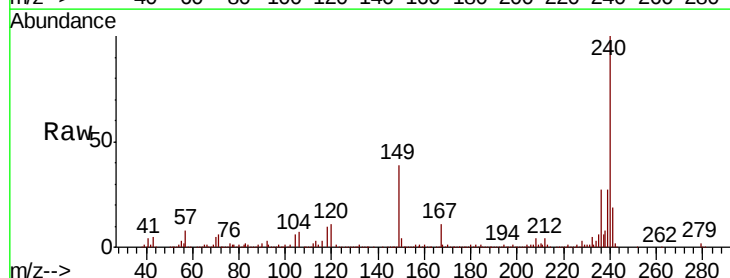
Tgt Ion: 149 Resp: 274682

Ion Ratio Lower Upper

149 100

167 27.4 22.2 33.4

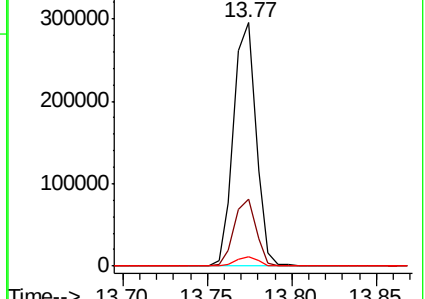
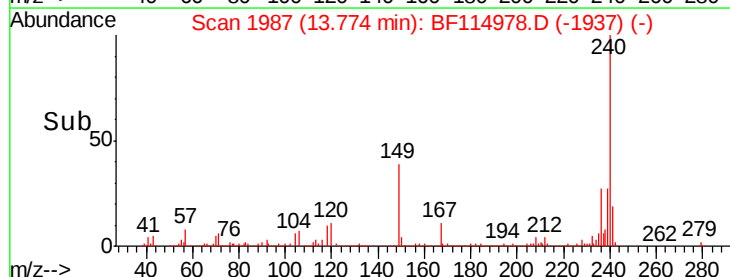
279 3.9 3.4 5.0

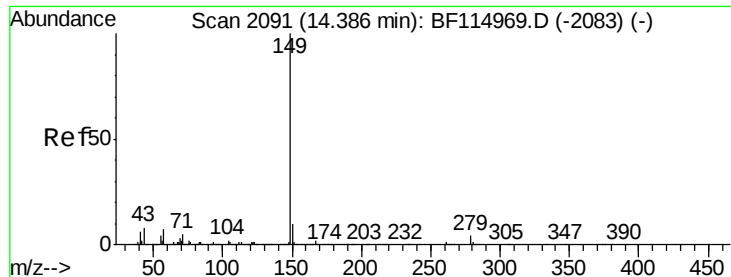


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

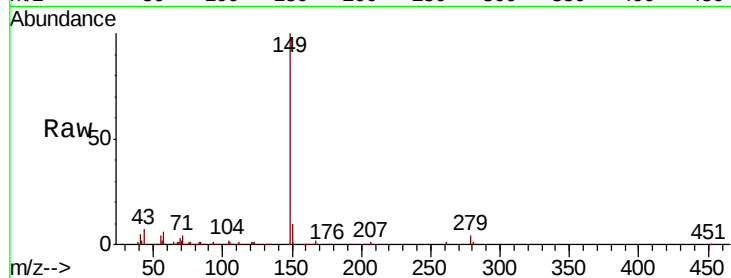




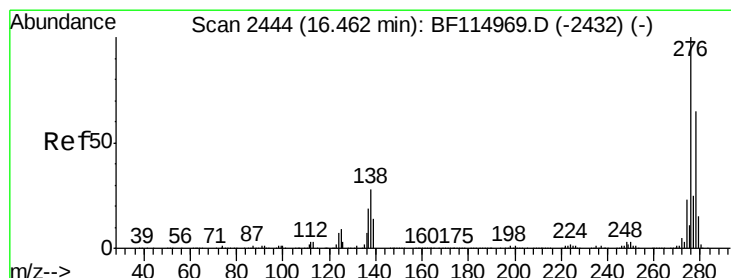
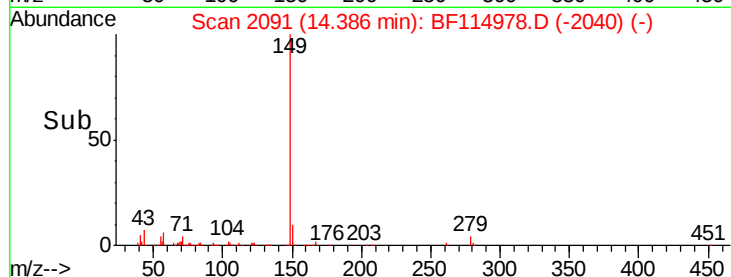
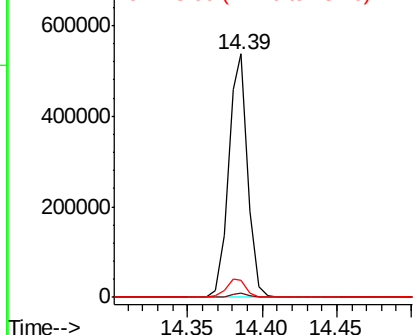
#85
Di-n-octyl phthalate
Concen: 7.143 ng
RT: 14.39 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tgt Ion:149 Resp: 485257
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 7.7 6.5 9.7

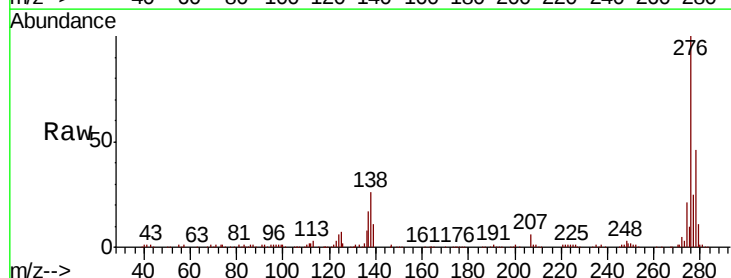


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

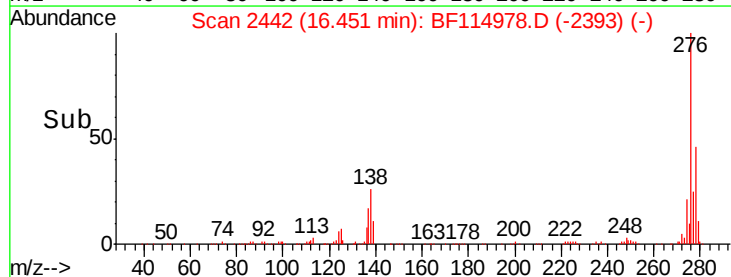
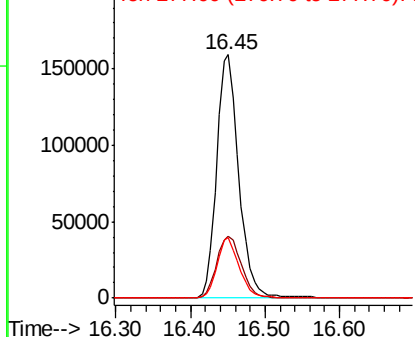


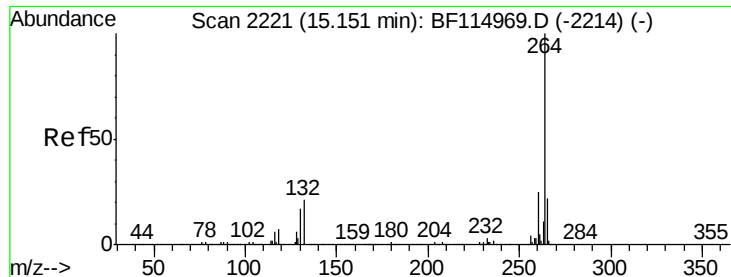
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.385 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:276 Resp: 327369
Ion Ratio Lower Upper
276 100
138 28.5 23.0 34.4
277 24.7 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# 2222

Delta R.T. 0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

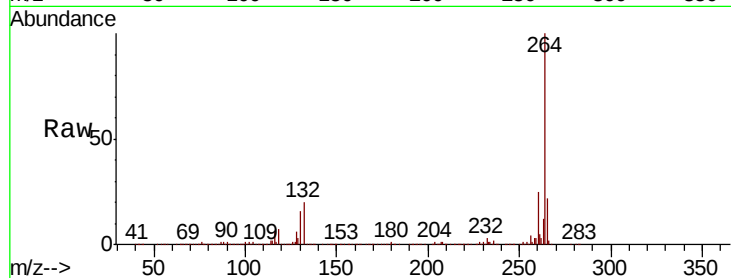
Tgt Ion:264 Resp: 750344

Ion Ratio Lower Upper

264 100

260 24.8 19.9 29.9

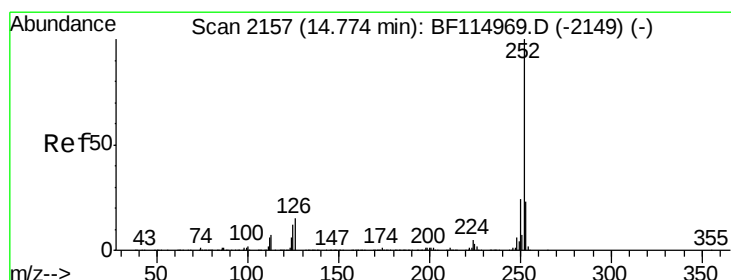
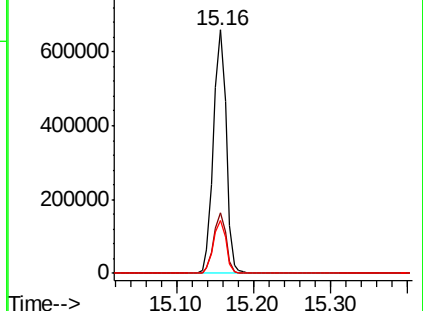
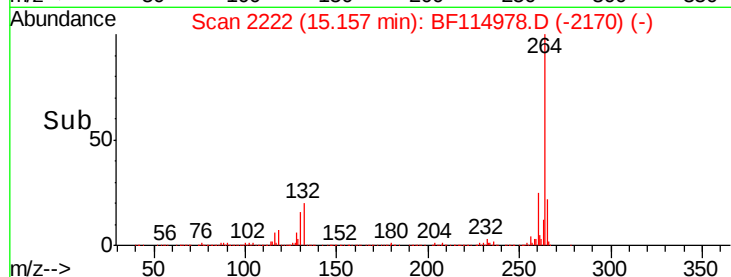
265 21.8 17.6 26.4



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: 7.922 ng

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

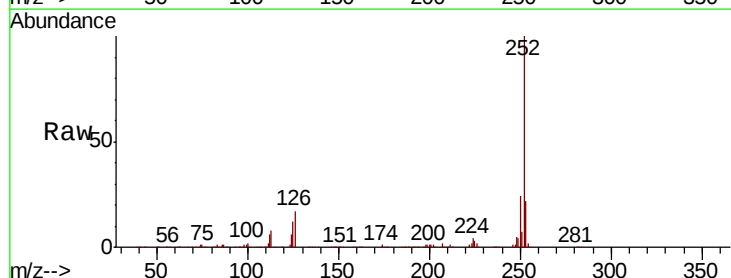
Tgt Ion:252 Resp: 395126

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

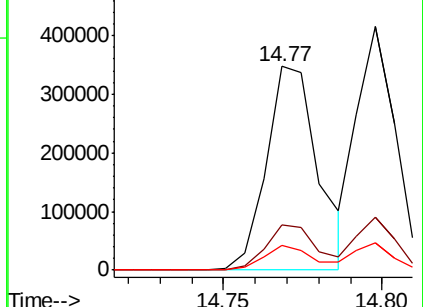
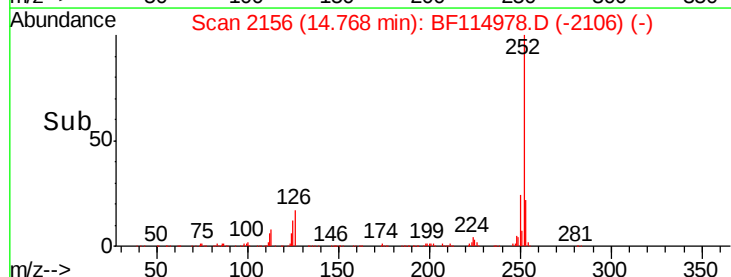
125 11.9 9.4 14.0

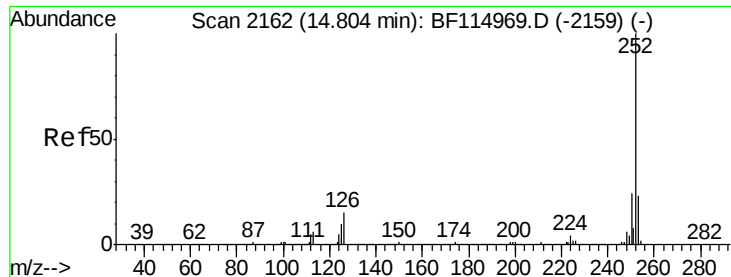


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

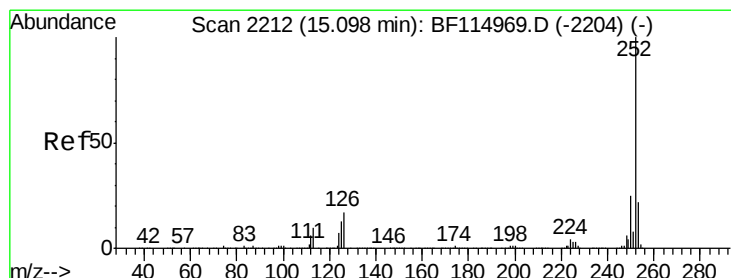
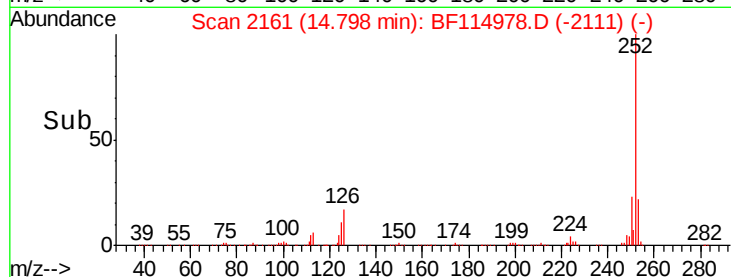
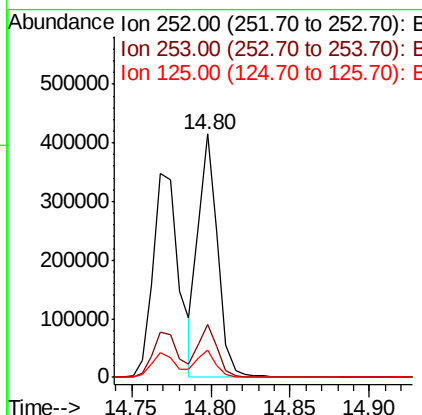
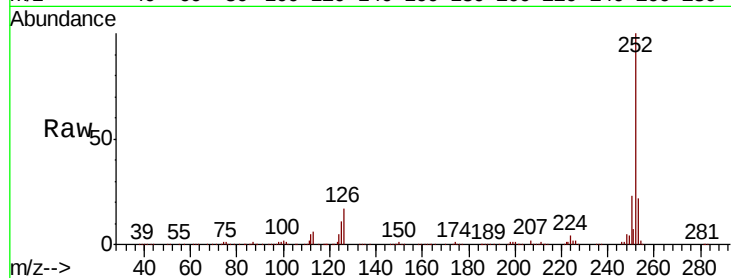




#89
Benzo(k)fluoranthene
Concen: 8.118 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

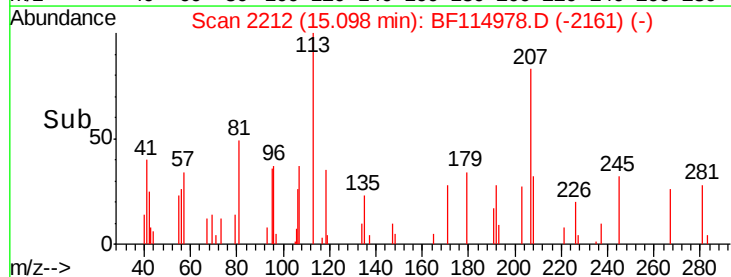
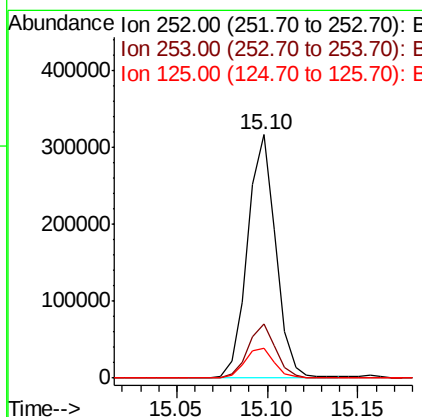
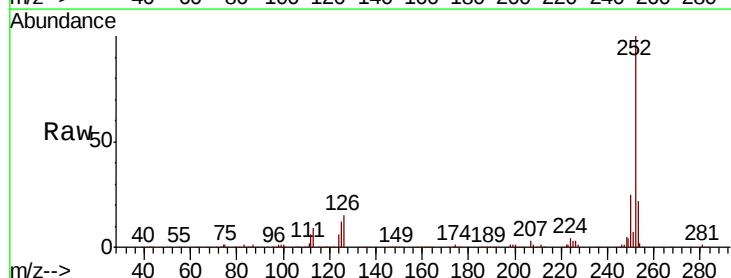
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

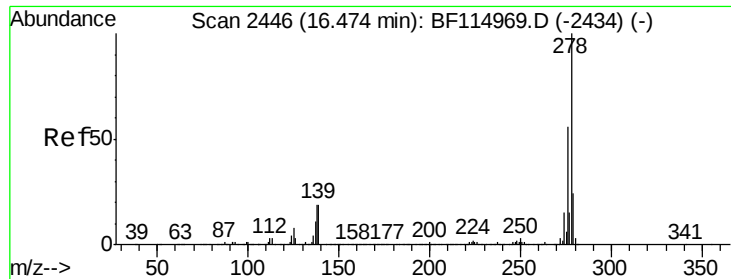
Tgt Ion:252 Resp: 355438
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 11.4 8.2 12.4



#90
Benzo(a)pyrene
Concen: 7.963 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:252 Resp: 342740
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 12.2 10.7 16.1





#91

Dibenzo(a,h)anthracene

Concen: 7.386 ng

RT: 16.46 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

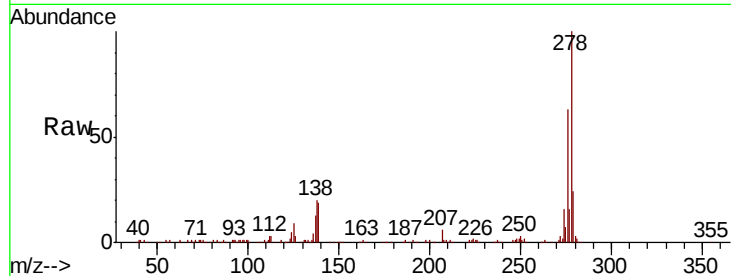
Tgt Ion: 278 Resp: 273760

Ion Ratio Lower Upper

278 100

139 19.1 15.3 22.9

279 24.2 19.2 28.8

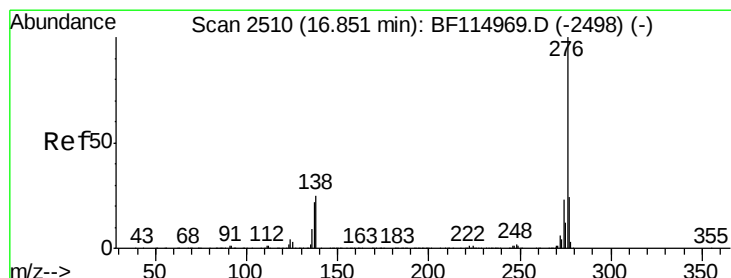
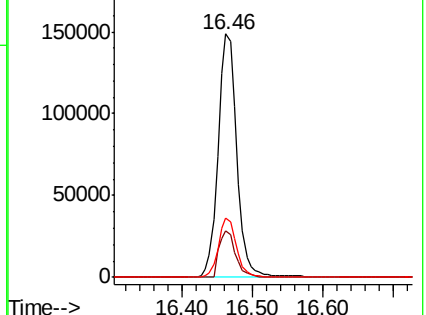
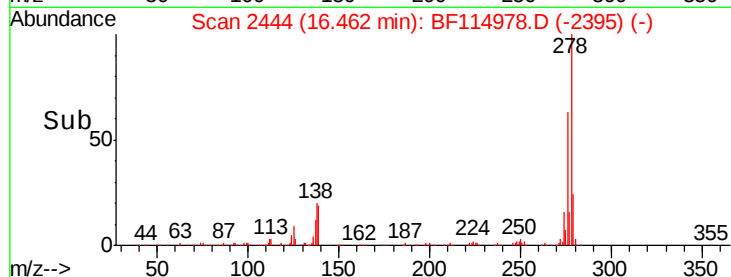


Abundance

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: 7.019 ng

RT: 16.83 min Scan# 2507

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

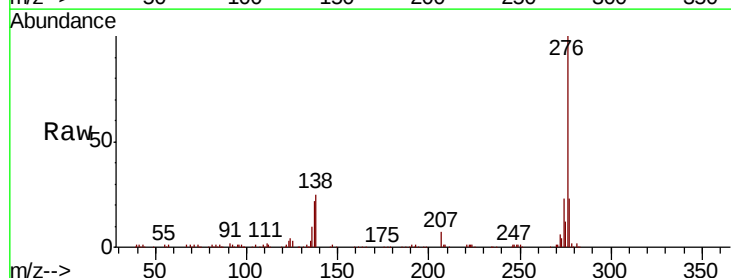
Tgt Ion: 276 Resp: 265327

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 25.3 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

