

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113294.D
 Acq On : 26 Mar 2019 16:29
 Operator : JU/SJ
 Sample : K1560-01
 Misc : 16PPM LOD
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 04:58:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	157761	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	556666	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	304392	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	611930	20.00	ng	0.00
76) Chrysene-d12	13.84	240	551719	20.00	ng	0.00
87) Perylene-d12	15.24	264	552966	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1166264	120.88	ng	0.00
7) Phenol-d6	6.35	99	1446713	118.53	ng	0.00
23) Nitrobenzene-d5	7.27	82	879691	93.80	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	466440	124.06	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1539186	77.75	ng	0.00
79) Terphenyl-d14	12.79	244	1886201	75.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	78391	16.014	ng	97
3) Pyridine	3.12	79	175112	14.511	ng	98
4) n-Nitrosodimethylamine	2.99	42	80211	14.951	ng	95
6) Aniline	6.36	93	240739	16.196	ng	89
8) 2-Chlorophenol	6.49	128	184546	16.471	ng	94
9) Benzaldehyde	6.25	77	137979	16.846	ng	98
10) Phenol	6.36	94	225728	16.199	ng	97
11) bis(2-Chloroethyl)ether	6.44	93	177316	16.601	ng	99
12) 1,3-Dichlorobenzene	6.65	146	207067	17.145	ng	97
13) 1,4-Dichlorobenzene	6.72	146	198749	17.044	ng	98
14) 1,2-Dichlorobenzene	6.87	146	179792	15.672	ng	97
15) Benzyl Alcohol	6.85	79	141250	17.542	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	273204	17.026	ng	99
17) 2-Methylphenol	6.97	107	141080	16.067	ng	96
18) Hexachloroethane	7.22	117	71623	17.101	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	121047	15.788	ng	97
20) 3+4-Methylphenols	7.12	107	178982	12.307	ng	98
22) Acetophenone	7.11	105	237494	18.708	ng	# 98
24) Nitrobenzene	7.28	77	184360	18.838	ng	93
25) Isophorone	7.52	82	331554	18.242	ng	97
26) 2-Nitrophenol	7.60	139	95990	18.556	ng	92
27) 2,4-Dimethylphenol	7.65	122	138581	18.623	ng	100
28) bis(2-Chloroethoxy)methane	7.73	93	212564	18.571	ng	100
29) 2,4-Dichlorophenol	7.85	162	143940	17.849	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	157364	18.087	ng	100
31) Naphthalene	8.00	128	505520	18.583	ng	99
32) Benzoic acid	7.76	122	90753	15.151	ng	97
33) 4-Chloroaniline	8.06	127	201198	18.967	ng	100
34) Hexachlorobutadiene	8.13	225	95453	18.459	ng	99
35) Caprolactam	8.40	113	45106	17.428	ng	91
36) 4-Chloro-3-methylphenol	8.55	107	147710	18.211	ng	98
37) 2-Methylnaphthalene	8.70	142	334531	19.709	ng	99
38) 1-Methylnaphthalene	8.79	142	320350	19.622	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	159544	16.328	ng	98

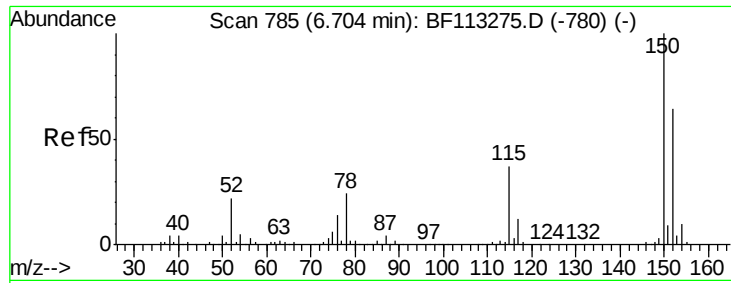
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113294.D
 Acq On : 26 Mar 2019 16:29
 Operator : JU/SJ
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 Misc : 16PPM LOD
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Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 04:58:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	43102	10.422	ng	95
43) 2,4,6-Trichlorophenol	8.98	196	99516	15.640	ng	97
44) 2,4,5-Trichlorophenol	9.03	196	107824	15.312	ng	97
46) 1,1'-Biphenyl	9.16	154	441019	17.347	ng	98
47) 2-Chloronaphthalene	9.18	162	329688	16.843	ng	98
48) 2-Nitroaniline	9.28	65	100255	16.321	ng	94
49) Acenaphthylene	9.59	152	589427	18.623	ng	99
50) Dimethylphthalate	9.46	163	390346	17.304	ng	100
51) 2,6-Dinitrotoluene	9.52	165	87952	17.283	ng	90
52) Acenaphthene	9.77	154	329394	18.481	ng	99
53) 3-Nitroaniline	9.69	138	99274	17.298	ng	92
54) 2,4-Dinitrophenol	9.80	184	36575	14.450	ng	91
55) Dibenzofuran	9.94	168	508719	18.986	ng	97
56) 4-Nitrophenol	9.86	139	65705	16.059	ng	93
57) 2,4-Dinitrotoluene	9.92	165	116518	18.004	ng	98
58) Fluorene	10.28	166	391387	18.803	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.06	232	101855	17.105	ng	97
60) Diethylphthalate	10.16	149	388221	17.543	ng	99
61) 4-Chlorophenyl-phenylether	10.27	204	188932	18.623	ng	91
62) 4-Nitroaniline	10.29	138	103769	17.562	ng	96
63) Azobenzene	10.43	77	381532	18.316	ng	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	52234	15.604	ng	91
66) n-Nitrosodiphenylamine	10.39	169	343469	18.292	ng	99
67) 4-Bromophenyl-phenylether	10.76	248	122697	18.397	ng	99
68) Hexachlorobenzene	10.83	284	140215	18.112	ng	# 91
69) Atrazine	10.92	200	105609	17.819	ng	96
70) Pentachlorophenol	11.03	266	63571	15.761	ng	97
71) Phenanthrene	11.23	178	581146	19.124	ng	99
72) Anthracene	11.29	178	590457	19.129	ng	99
73) Carbazole	11.45	167	567878	19.281	ng	98
74) Di-n-butylphthalate	11.77	149	629689	18.436	ng	99
75) Fluoranthene	12.42	202	655766	19.089	ng	99
77) Benzidine	12.54	184	347105	16.429	ng	96
78) Pyrene	12.65	202	667618	17.462	ng	99
80) Butylbenzylphthalate	13.26	149	267154	15.855	ng	99
81) Benzo(a)anthracene	13.83	228	565224	17.897	ng	99
82) 3,3'-Dichlorobenzidine	13.79	252	226823	17.903	ng	100
83) Chrysene	13.86	228	584583	18.224	ng	99
84) Bis(2-ethylhexyl)phthalate	13.83	149	338292	16.378	ng	99
85) Di-n-octyl phthalate	14.43	149	621425	17.724	ng	100
86) Indeno(1,2,3-cd)pyrene	16.59	276	572046	20.779	ng	98
88) Benzo(b)fluoranthene	14.84	252	591753	17.227	ng	100
89) Benzo(k)fluoranthene	14.87	252	520409	17.252	ng	99
90) Benzo(a)pyrene	15.18	252	533966	17.534	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	476530	18.098	ng	99
92) Benzo(g,h,i)perylene	16.99	276	453570	17.084	ng	98

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

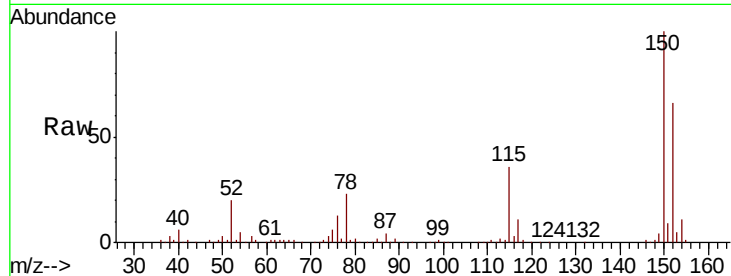


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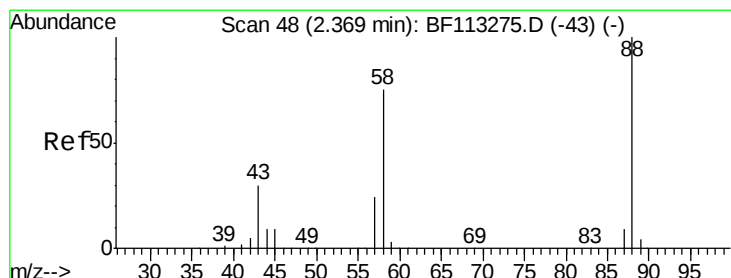
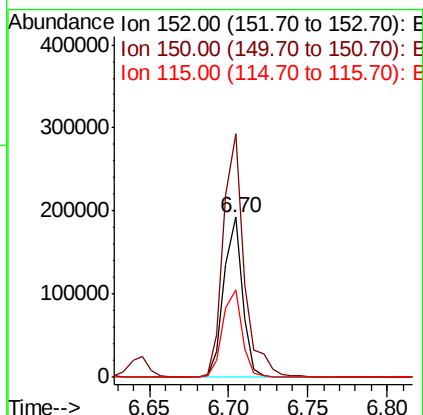
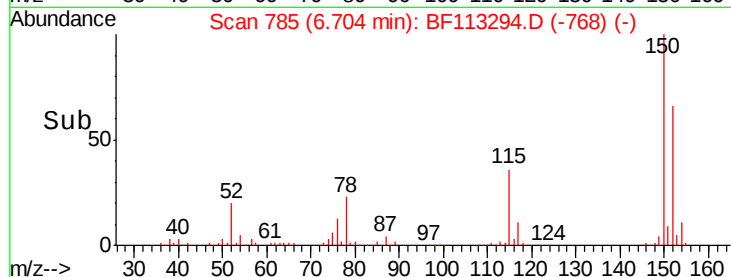
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 157761
Ion Ratio Lower Upper
152 100
150 152.0 124.7 187.1
115 54.9 46.0 69.0



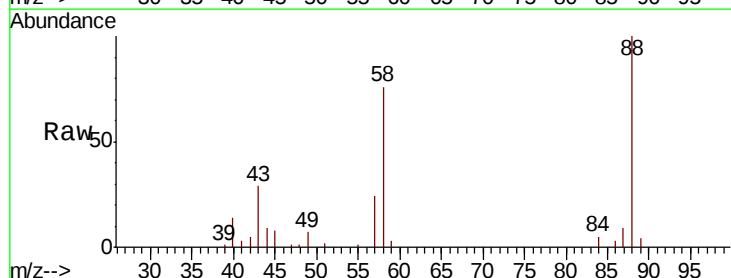
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



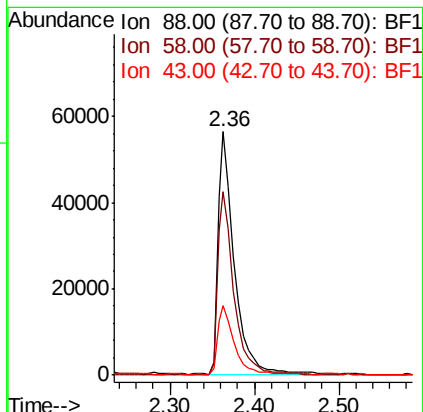
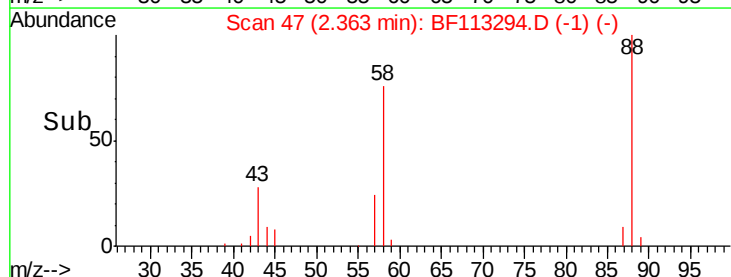
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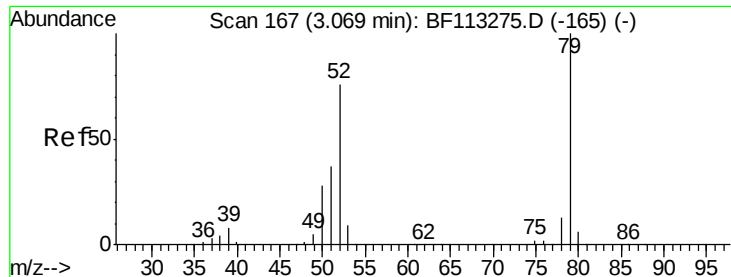
1,4-Dioxane
Concen: 16.014 ng
RT: 2.36 min Scan# 47
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 88 Resp: 78391
Ion Ratio Lower Upper
88 100
58 74.0 61.9 92.9
43 30.0 24.2 36.4



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: 14.511 ng

RT: 3.12 min Scan# 175

Delta R.T. 0.05 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

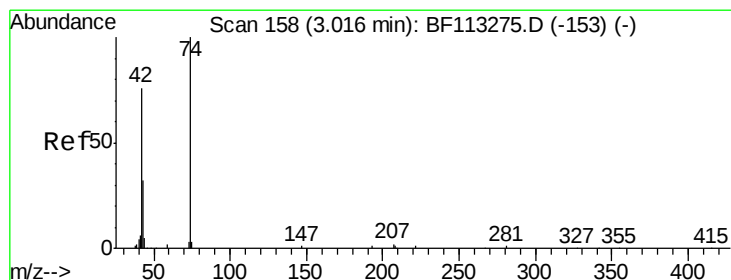
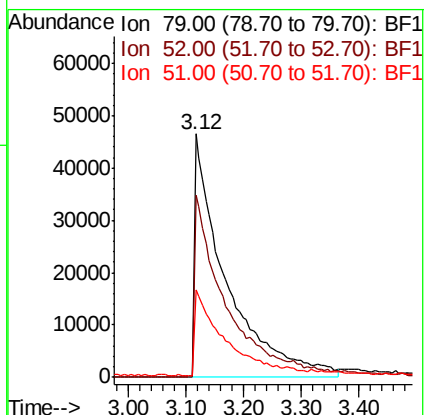
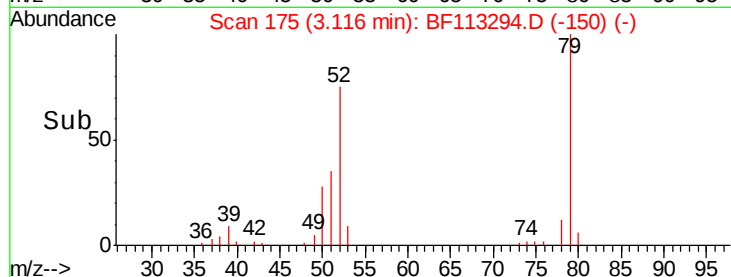
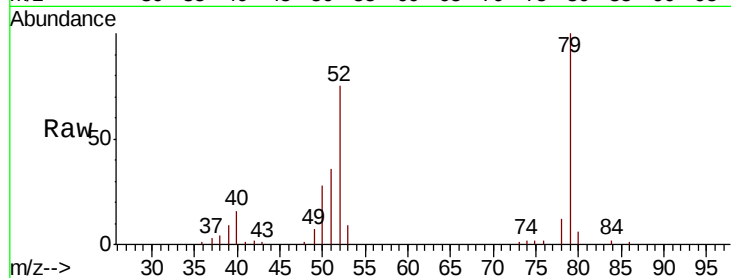
Tgt Ion: 79 Resp: 175112

Ion Ratio Lower Upper

79 100

52 74.6 61.0 91.4

51 36.1 30.6 45.8



#4

n-Nitrosodimethylamine

Concen: 14.951 ng

RT: 2.99 min Scan# 154

Delta R.T. -0.02 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

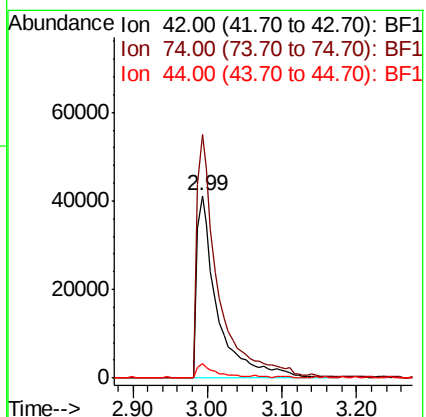
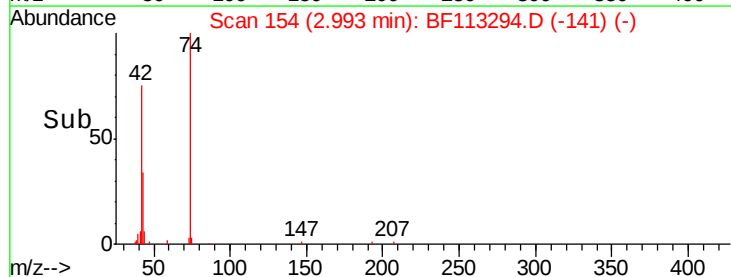
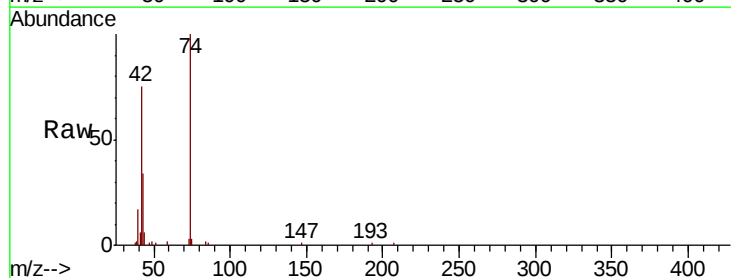
Tgt Ion: 42 Resp: 80211

Ion Ratio Lower Upper

42 100

74 133.5 102.4 153.6

44 7.6 5.5 8.3





#5

2-Fluorophenol

Concen: 120.878 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

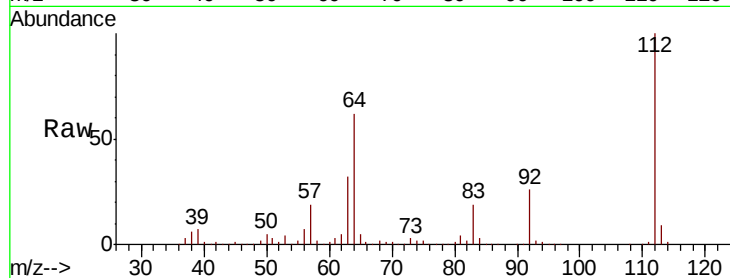
Tgt Ion: 112 Resp: 1166264

Ion Ratio Lower Upper

112 100

64 62.4 49.2 73.8

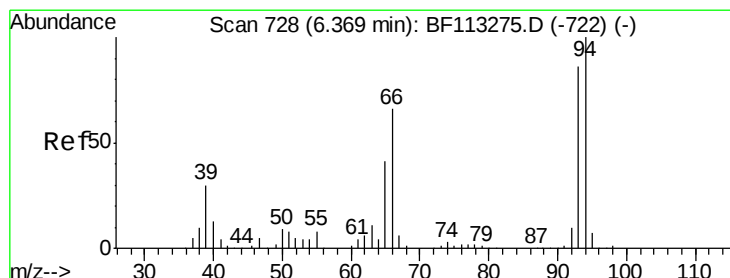
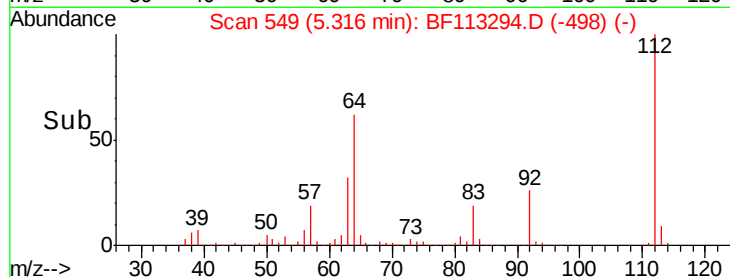
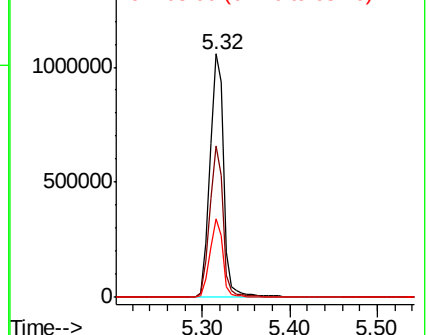
63 32.1 24.9 37.3



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: 16.196 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

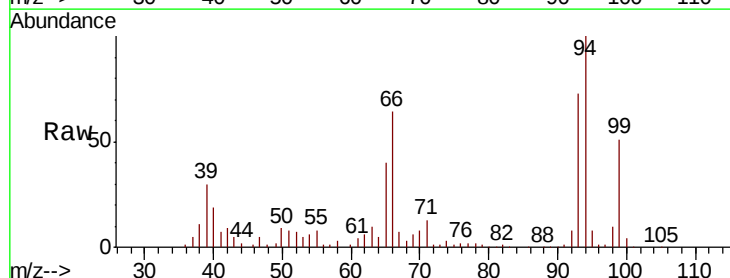
Tgt Ion: 93 Resp: 240739

Ion Ratio Lower Upper

93 100

66 88.1 62.1 93.1

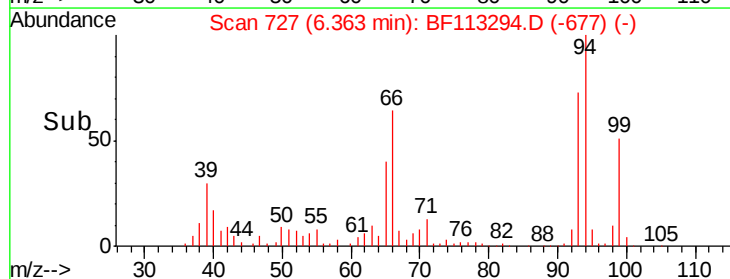
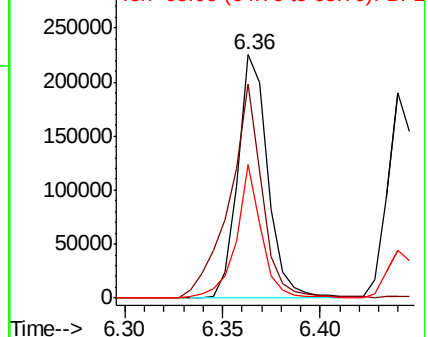
65 54.6 38.7 58.1



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: 118.529 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

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BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

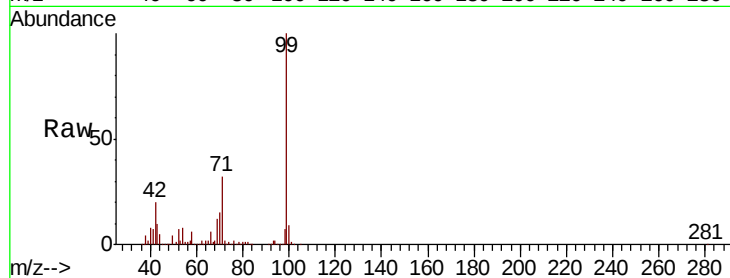
Tgt Ion: 99 Resp: 1446713

Ion Ratio Lower Upper

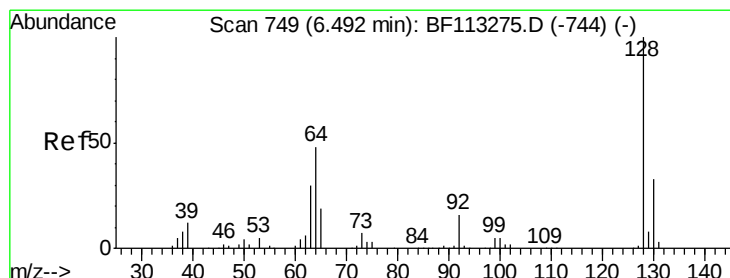
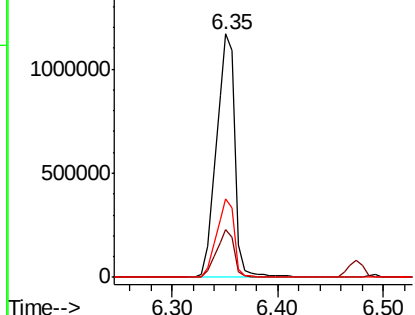
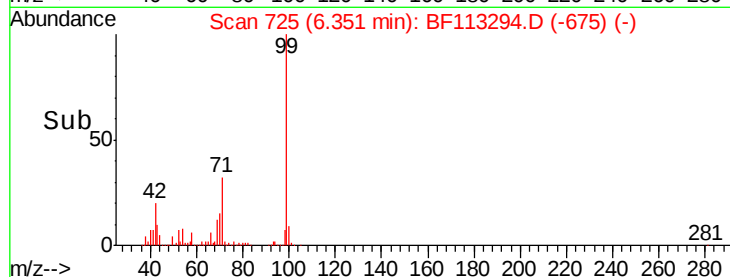
99 100

42 19.6 14.8 22.2

71 32.3 24.9 37.3



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: 16.471 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

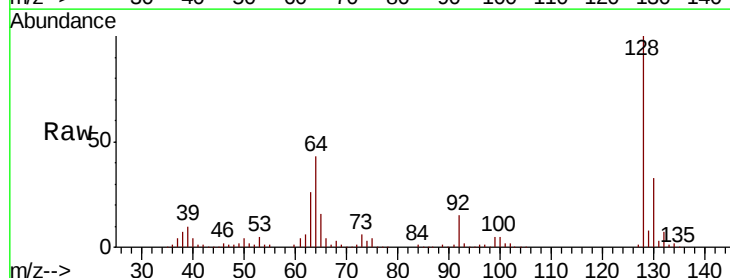
Tgt Ion: 128 Resp: 184546

Ion Ratio Lower Upper

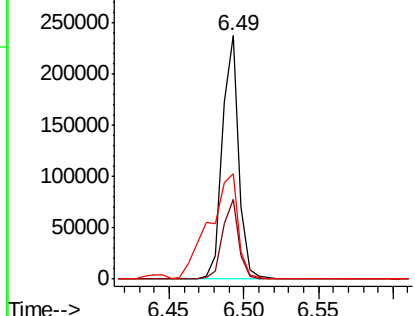
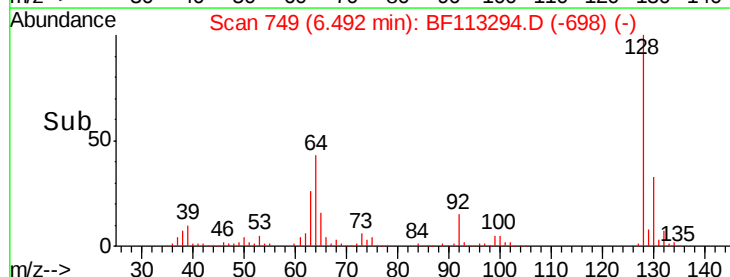
128 100

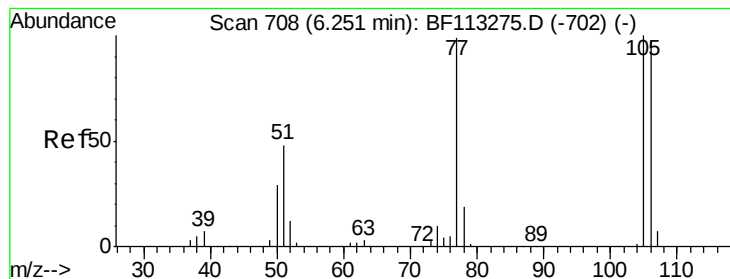
130 32.9 12.6 52.6

64 43.1 29.4 69.4



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: 16.846 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

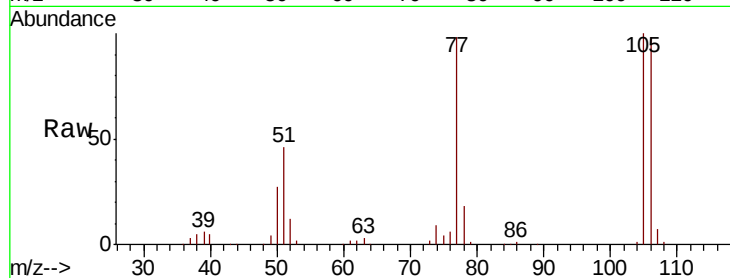
Tgt Ion: 77 Resp: 137979

Ion Ratio Lower Upper

77 100

105 102.3 80.9 120.9

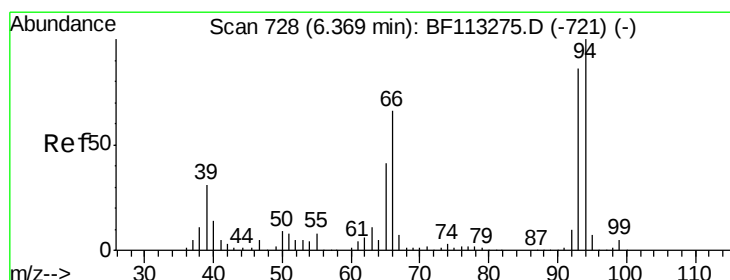
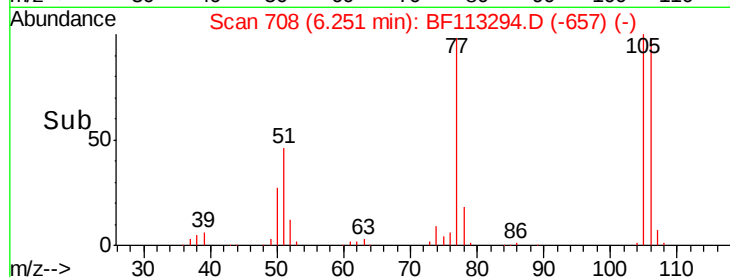
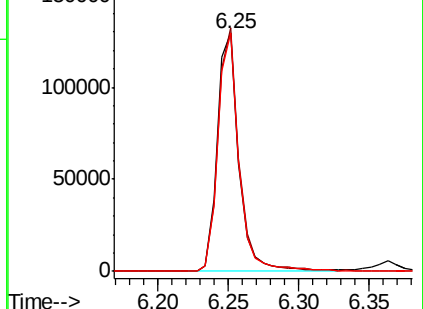
106 100.1 77.8 117.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 16.199 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

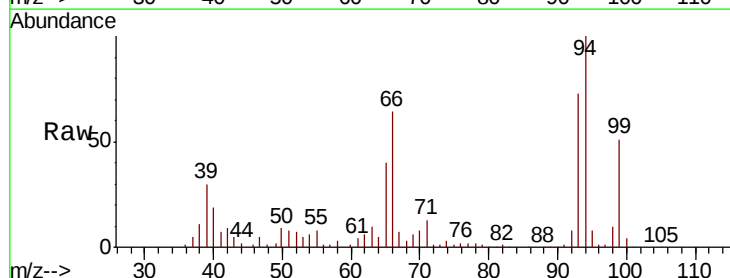
Tgt Ion: 94 Resp: 225728

Ion Ratio Lower Upper

94 100

65 39.8 21.4 61.4

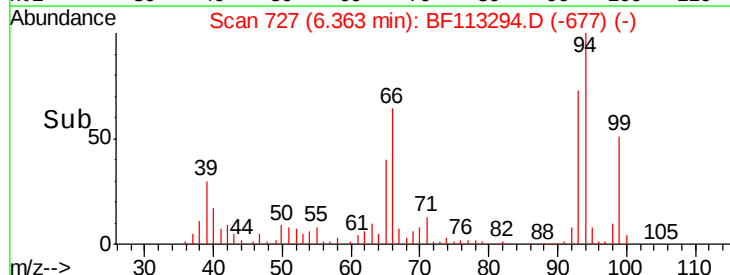
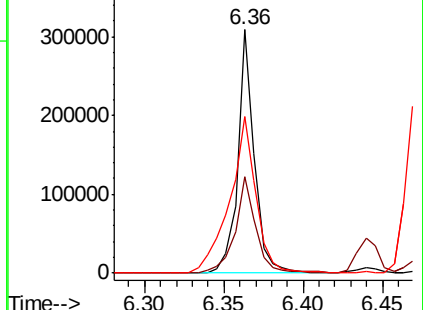
66 64.2 46.4 86.4



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

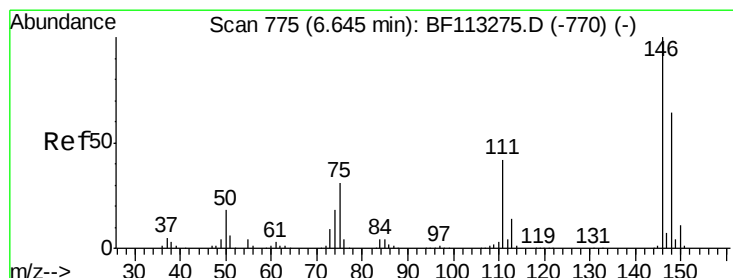
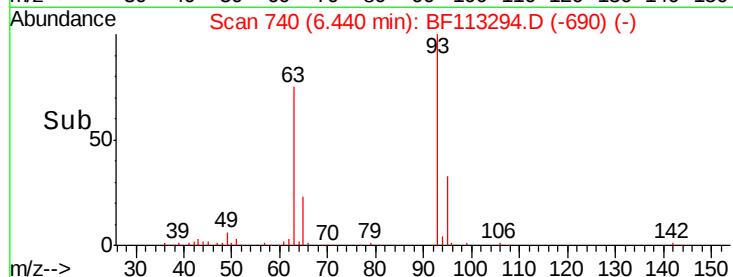
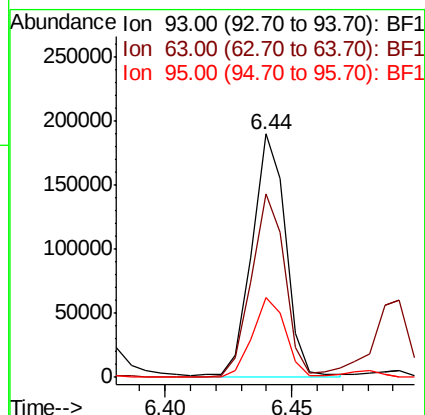
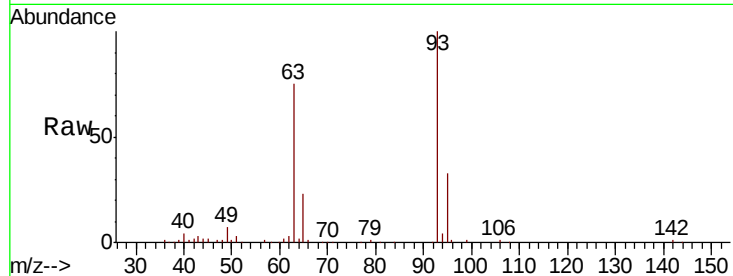




#11
bis(2-Chloroethyl)ether
Concen: 16.601 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

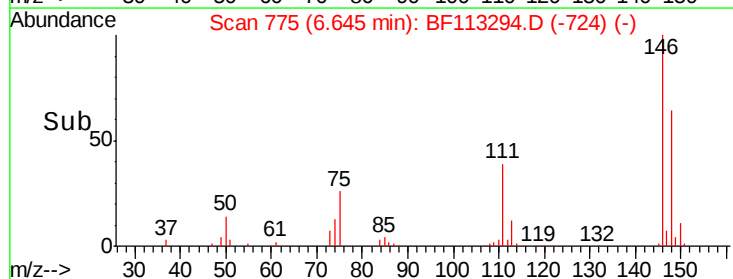
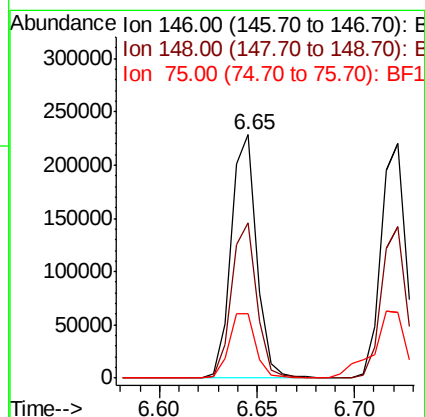
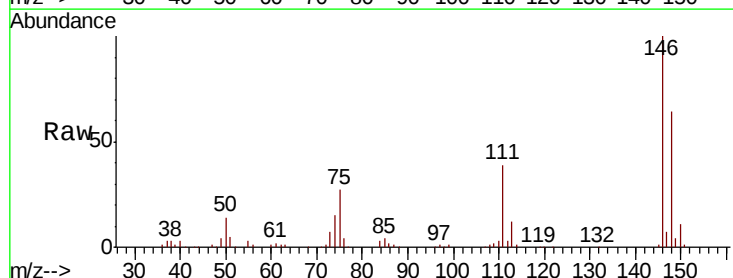
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

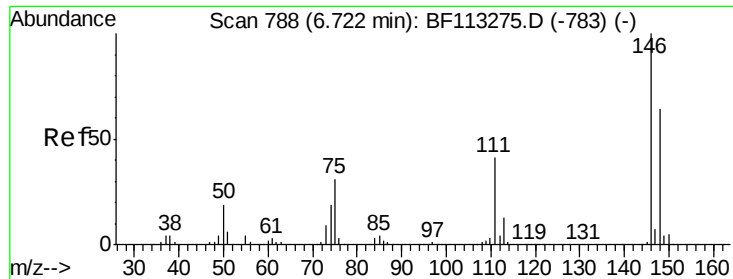
Tgt Ion: 93 Resp: 177316
Ion Ratio Lower Upper
93 100
63 75.4 56.1 96.1
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 17.145 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 146 Resp: 207067
Ion Ratio Lower Upper
146 100
148 63.8 51.4 77.0
75 26.5 24.8 37.2

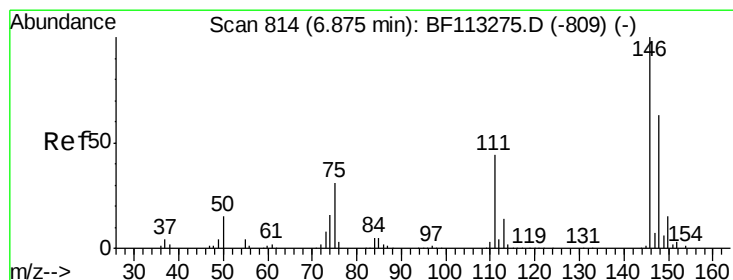
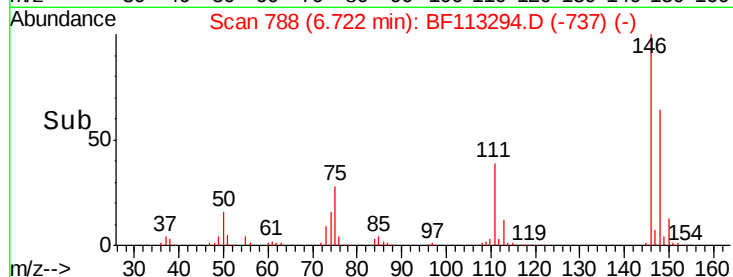
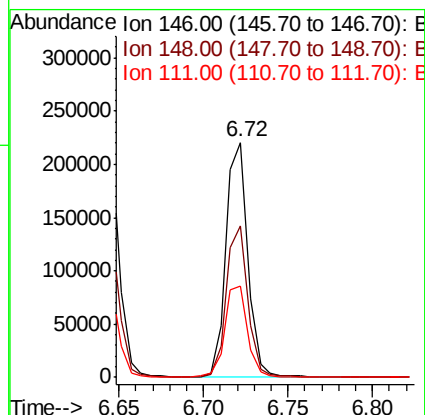
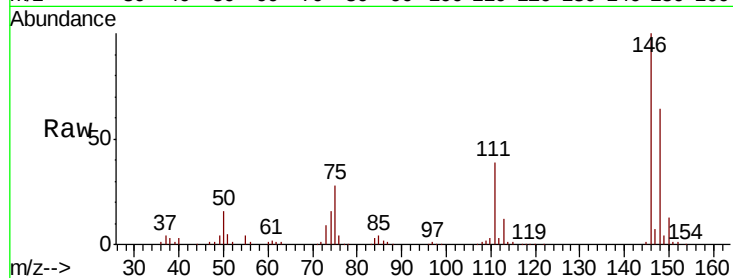




#13
 1,4-Dichlorobenzene
 Concen: 17.044 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

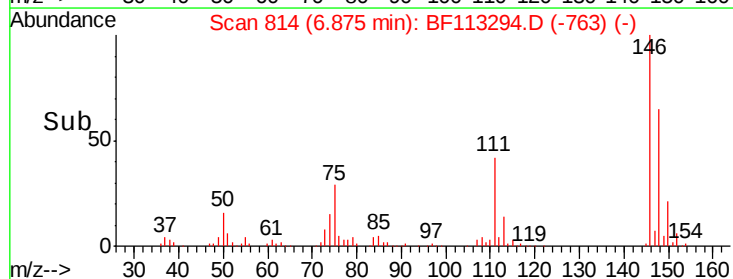
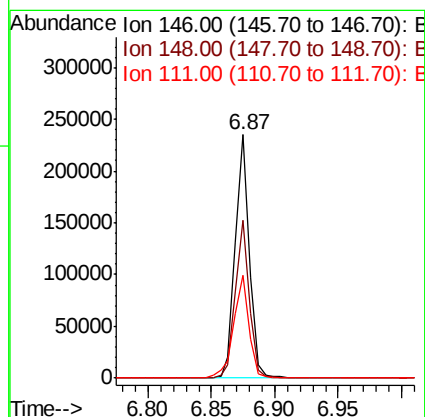
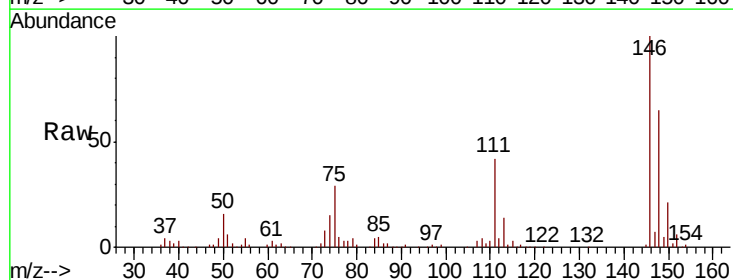
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

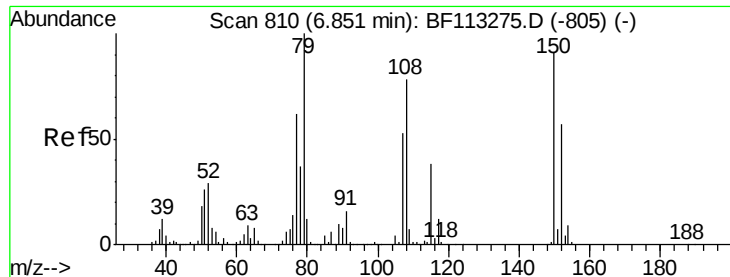
Tgt Ion:146 Resp: 198749
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.1 76.7
 111 39.1 32.8 49.2



#14
 1,2-Dichlorobenzene
 Concen: 15.672 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:146 Resp: 179792
 Ion Ratio Lower Upper
 146 100
 148 64.7 50.2 75.4
 111 42.0 35.4 53.2





#15

Benzyl Alcohol

Concen: 17.542 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

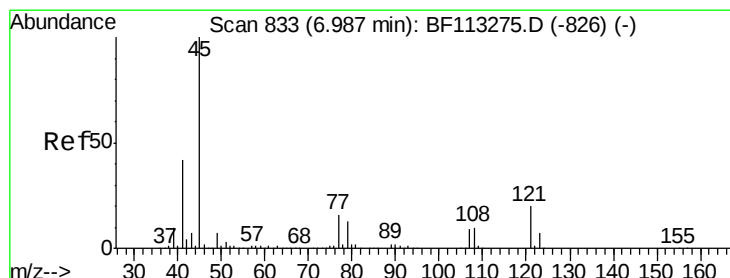
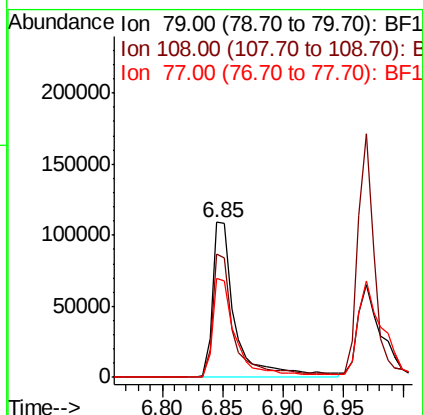
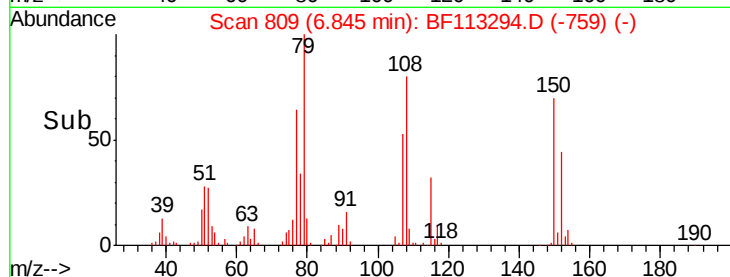
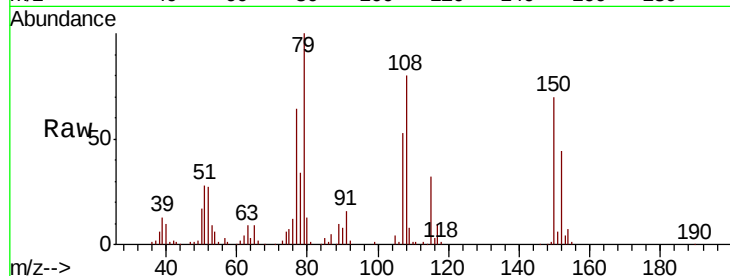
Tgt Ion: 79 Resp: 141250

Ion Ratio Lower Upper

79 100

108 79.5 62.0 93.0

77 64.0 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 17.026 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

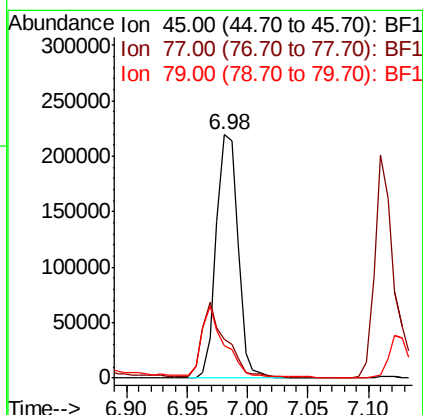
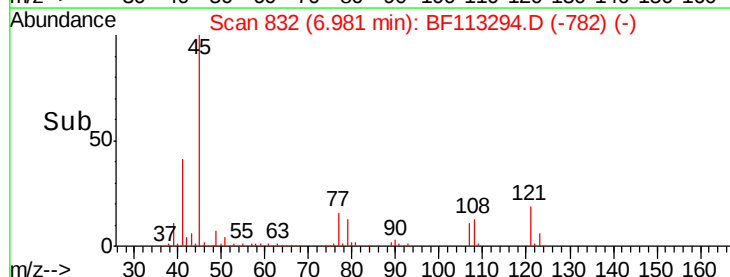
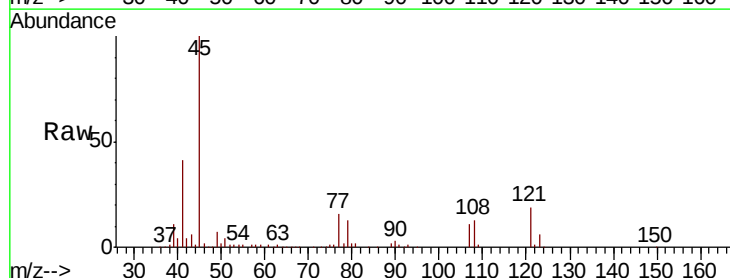
Tgt Ion: 45 Resp: 273204

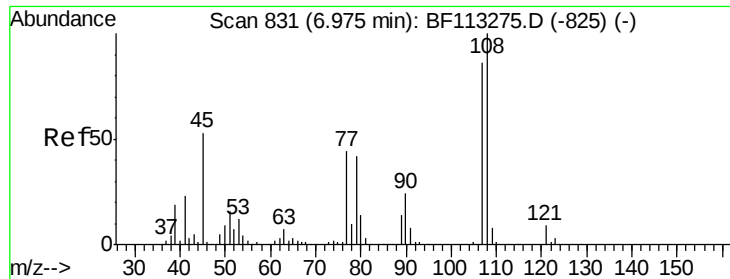
Ion Ratio Lower Upper

45 100

77 16.1 0.0 36.6

79 13.4 0.0 34.0

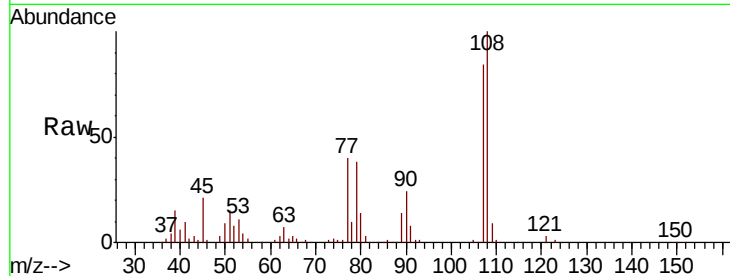




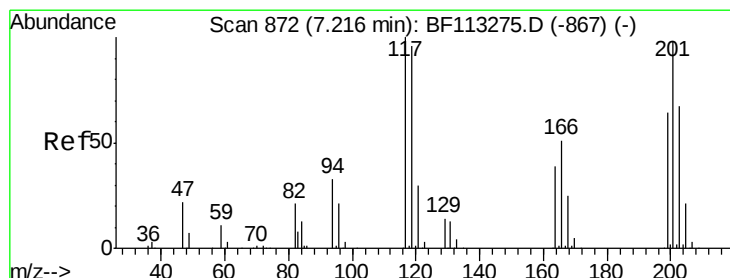
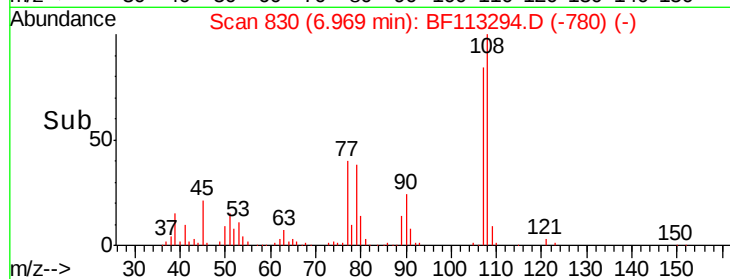
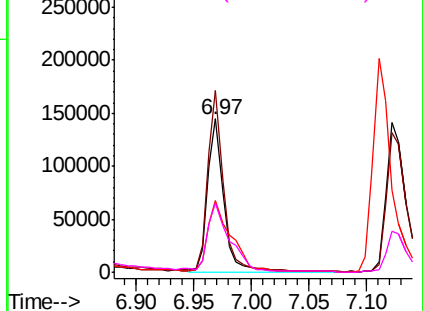
#17
2-Methylphenol
Concen: 16.067 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:107 Resp: 141080
Ion Ratio Lower Upper
107 100
108 118.3 93.4 140.0
77 47.1 41.2 61.8
79 45.0 40.1 60.1

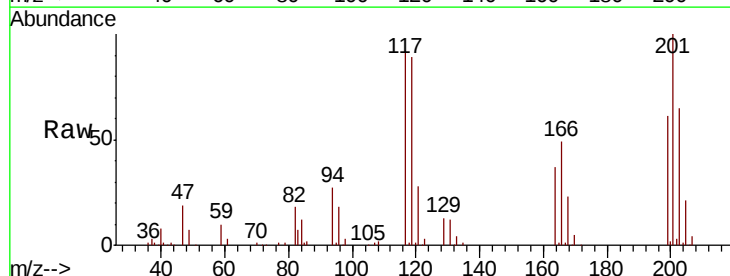


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

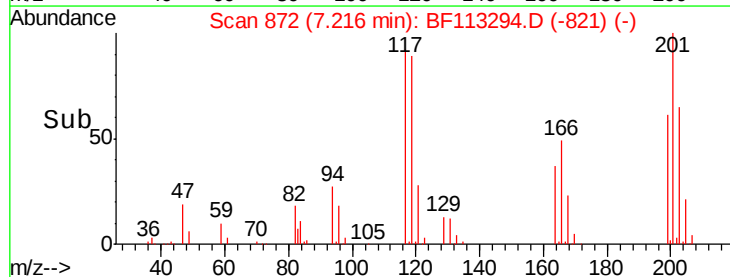
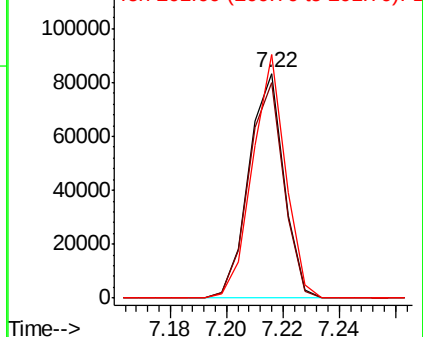


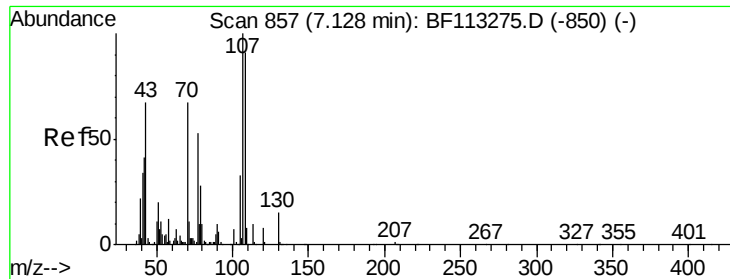
#18
Hexachloroethane
Concen: 17.101 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:117 Resp: 71623
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
201 108.5 78.7 118.1



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

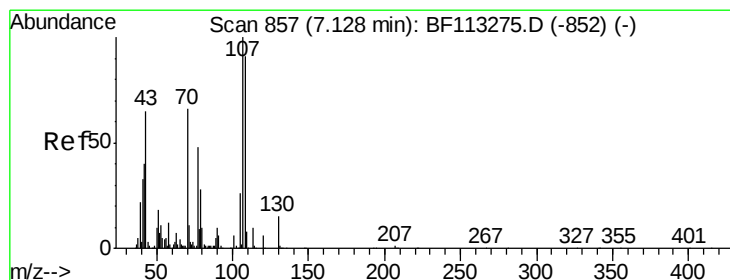
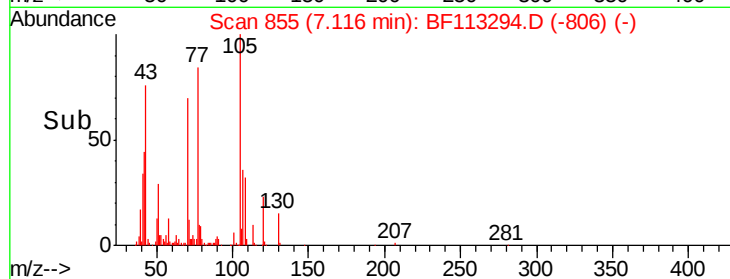
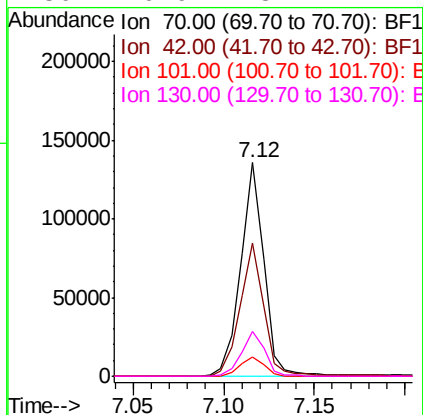
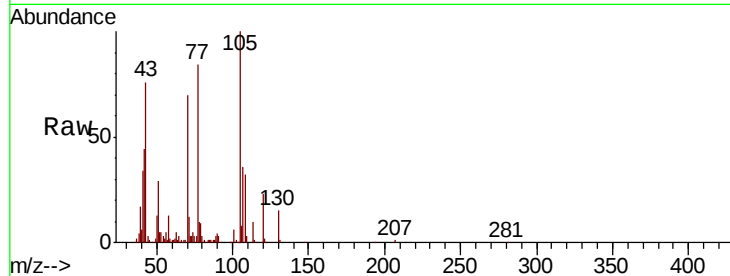




#19
n-Nitroso-di-n-propylamine
Concen: 15.788 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

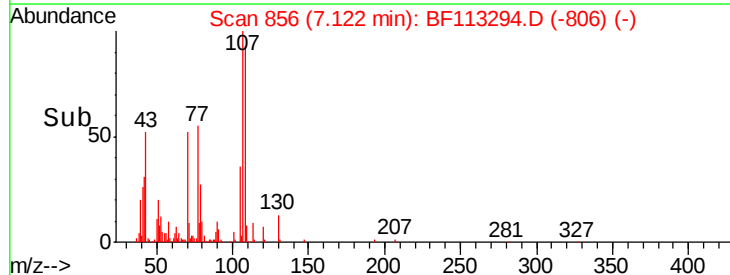
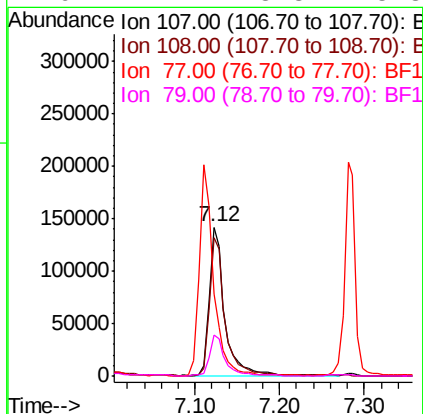
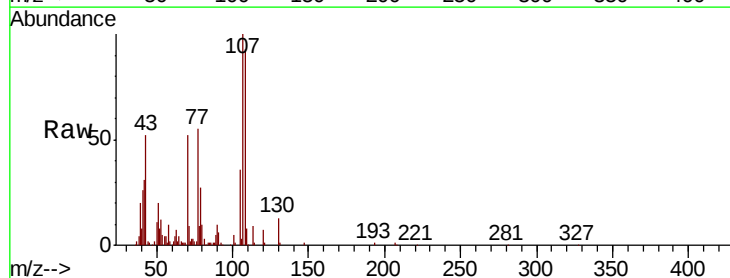
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

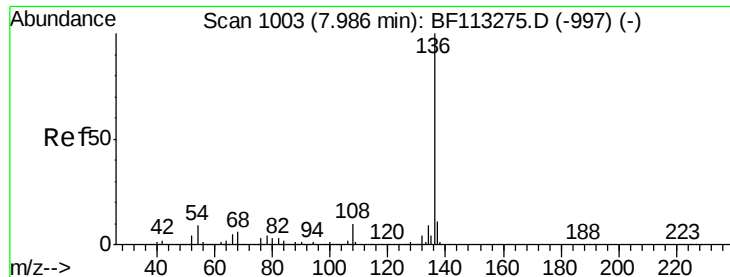
Tgt Ion:	70	Resp:	121047
Ion	Ratio	Lower	Upper
70	100		
42	62.4	48.4	72.6
101	8.9	7.8	11.8
130	20.9	18.2	27.4



#20
3+4-Methylphenols
Concen: 12.307 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:	107	Resp:	178982
Ion	Ratio	Lower	Upper
107	100		
108	93.0	71.4	111.4
77	54.7	33.5	73.5
79	27.2	8.3	48.3

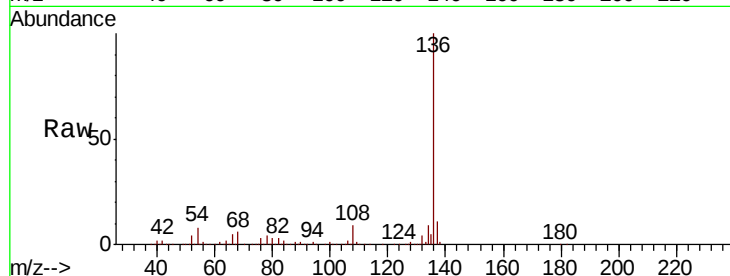




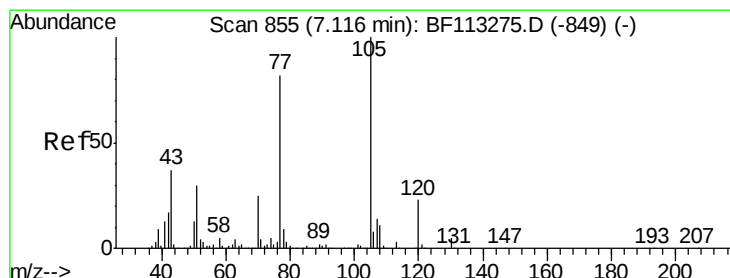
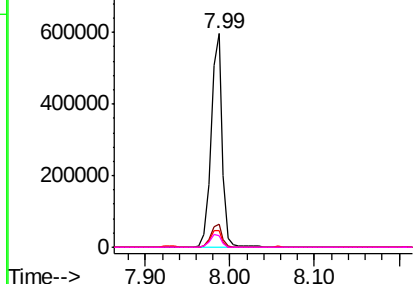
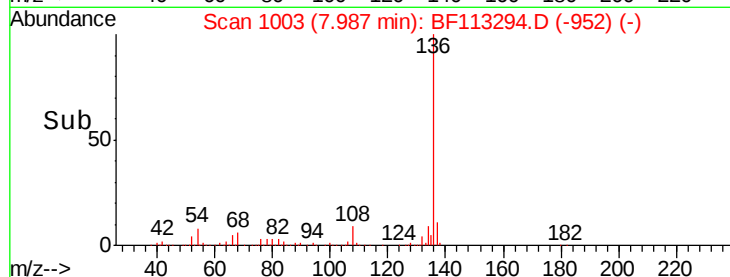
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	136	Resp:	556666
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	7.0	10.6
68	5.6	4.8	7.2

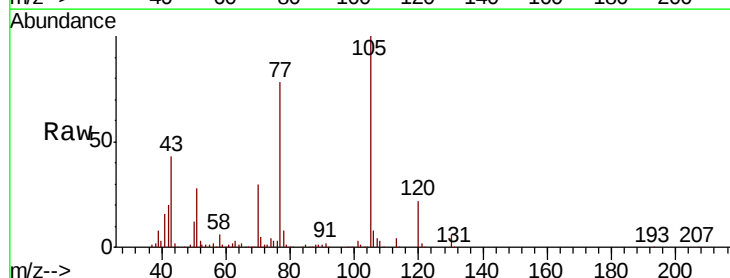


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

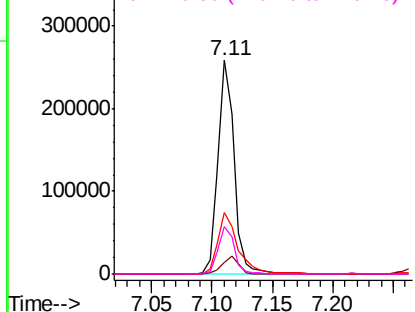
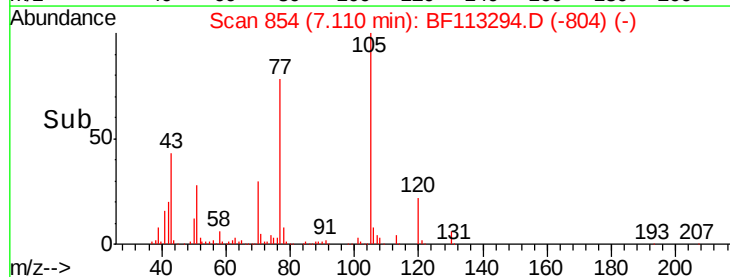


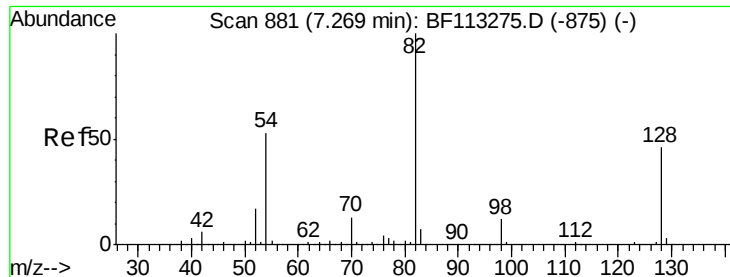
#22
Acetophenone
Concen: 18.708 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:	105	Resp:	237494
Ion	Ratio	Lower	Upper
105	100		
71	5.2	3.3	4.9#
51	28.5	24.2	36.2
120	22.4	18.1	27.1



Abundance Ion 105.00 (104.70 to 105.70): E
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

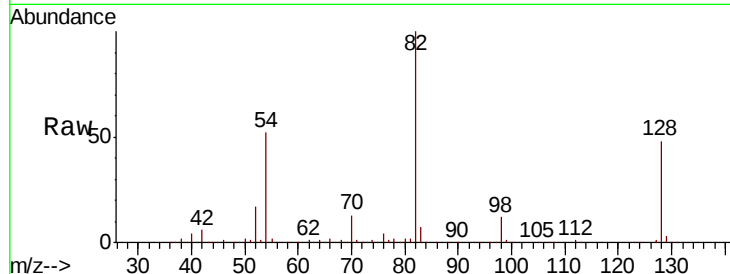




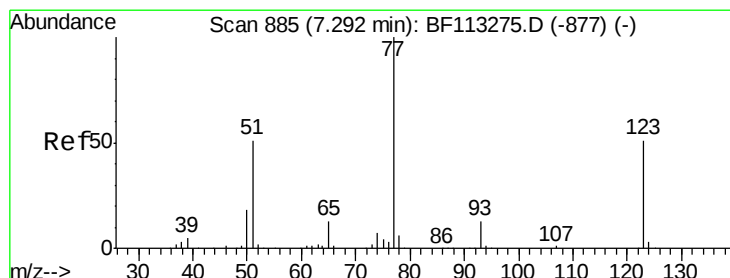
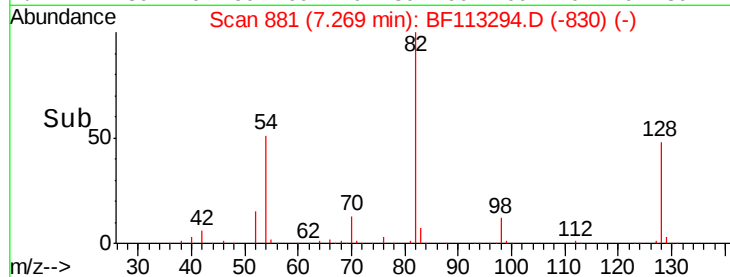
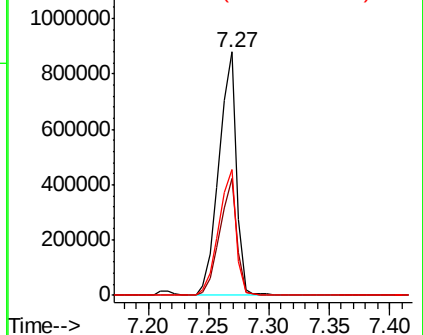
#23
Nitrobenzene-d5
Concen: 93.796 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 82 Resp: 879691
Ion Ratio Lower Upper
82 100
128 47.9 36.5 54.7
54 51.8 42.2 63.2

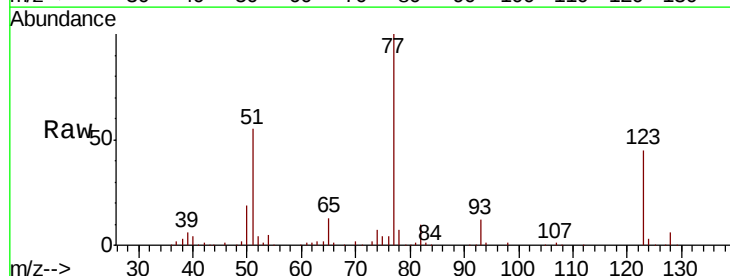


Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

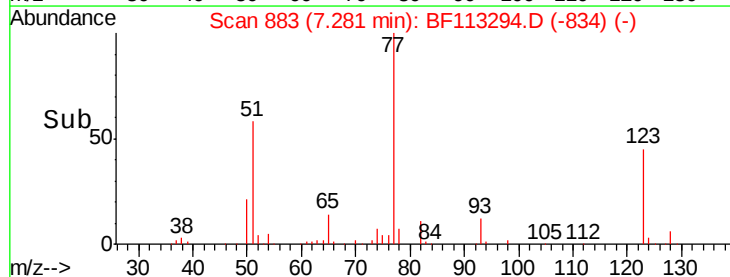
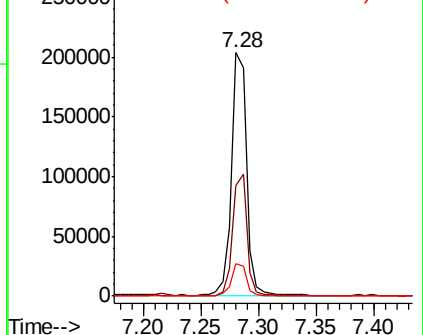


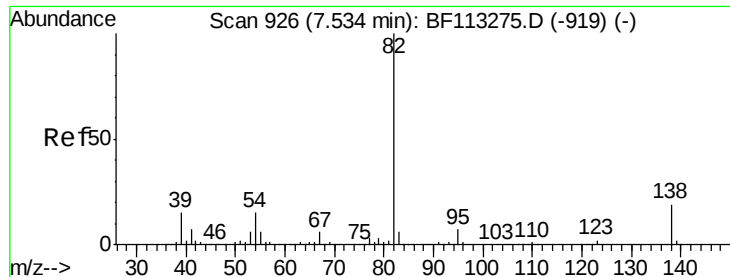
#24
Nitrobenzene
Concen: 18.838 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 77 Resp: 184360
Ion Ratio Lower Upper
77 100
123 45.2 40.8 61.2
65 13.1 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF1
250000
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 18.242 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

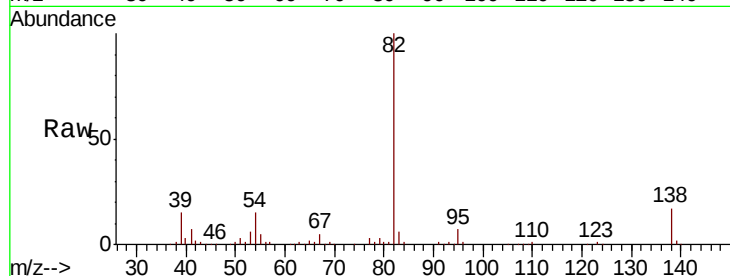
Tgt Ion: 82 Resp: 331554

Ion Ratio Lower Upper

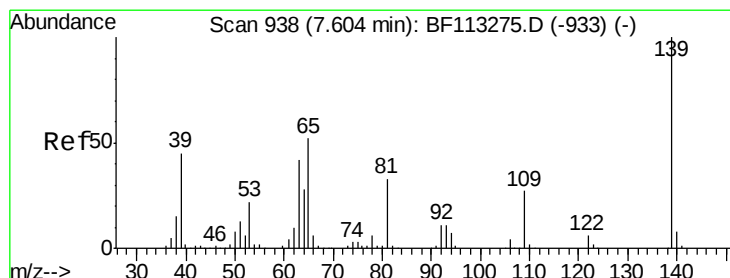
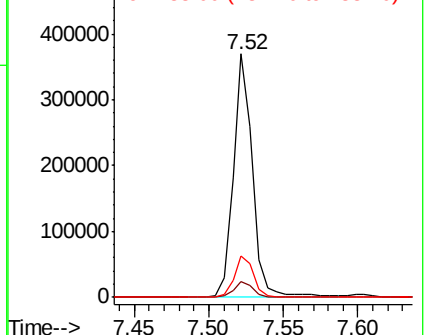
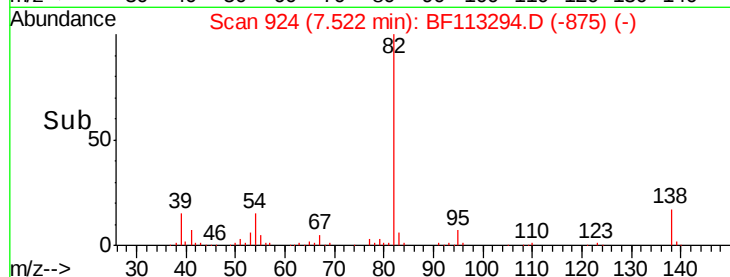
82 100

95 6.5 5.5 8.3

138 17.2 15.2 22.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 18.556 ng

RT: 7.60 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

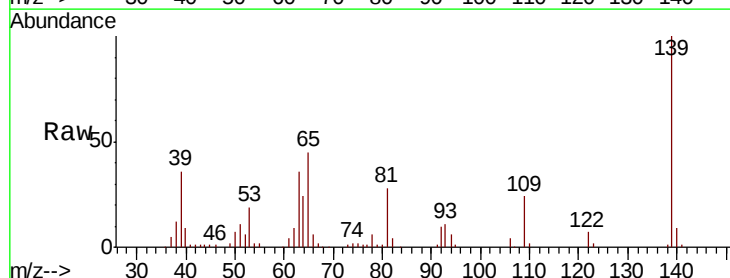
Tgt Ion: 139 Resp: 95990

Ion Ratio Lower Upper

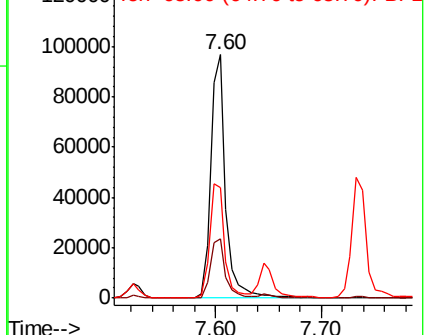
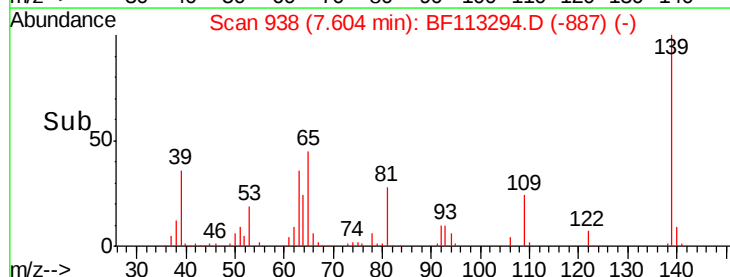
139 100

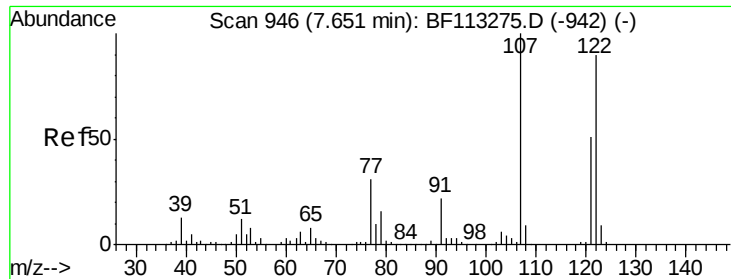
109 24.4 21.7 32.5

65 45.5 41.6 62.4



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

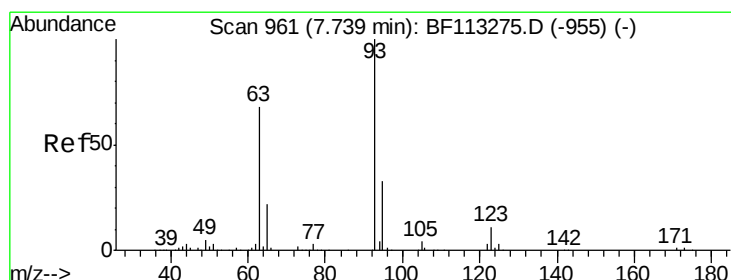
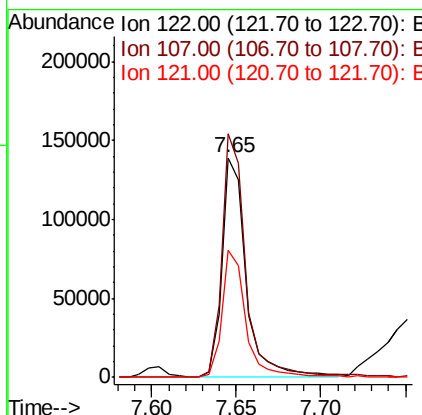
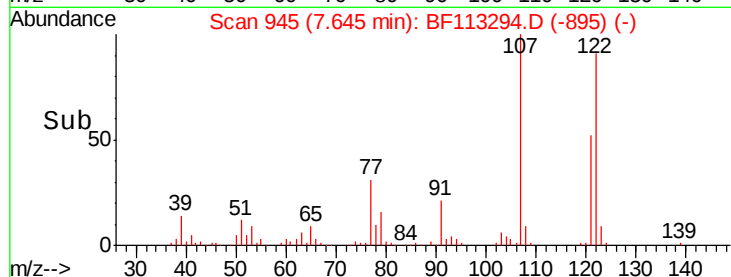
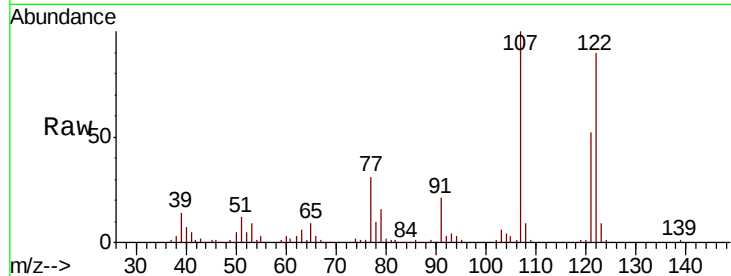




#27
2,4-Dimethylphenol
Concen: 18.623 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

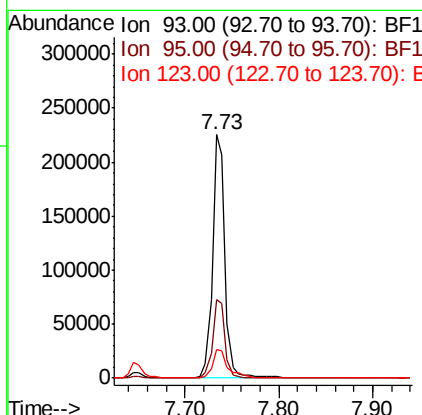
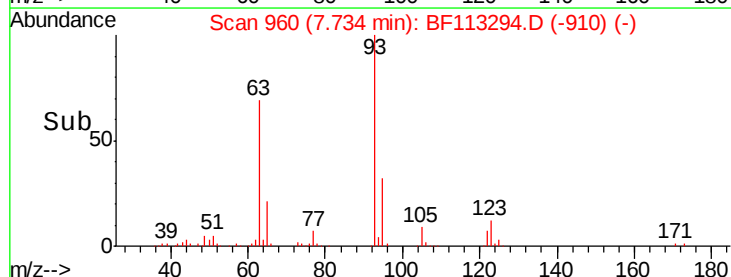
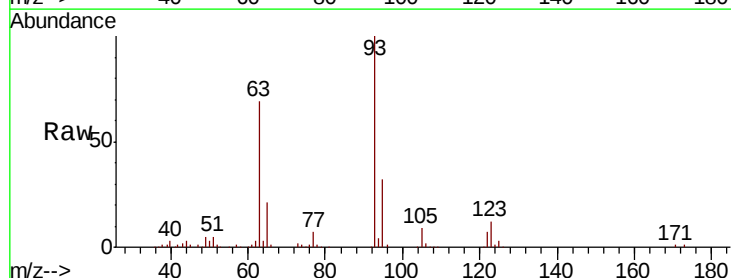
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

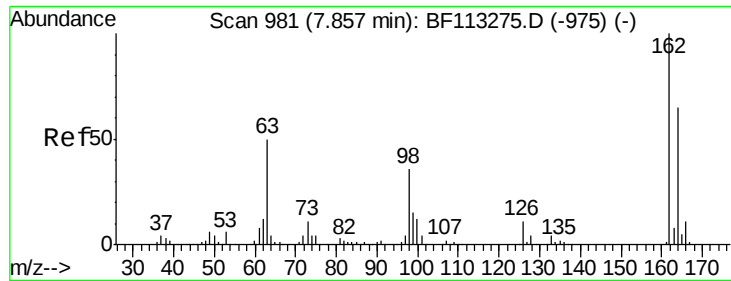
Tgt Ion:122 Resp: 138581
Ion Ratio Lower Upper
122 100
107 110.8 88.8 133.2
121 57.6 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 18.571 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 93 Resp: 212564
Ion Ratio Lower Upper
93 100
95 32.4 26.0 39.0
123 11.5 9.1 13.7

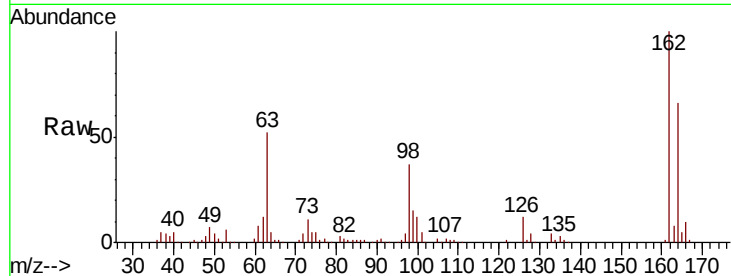




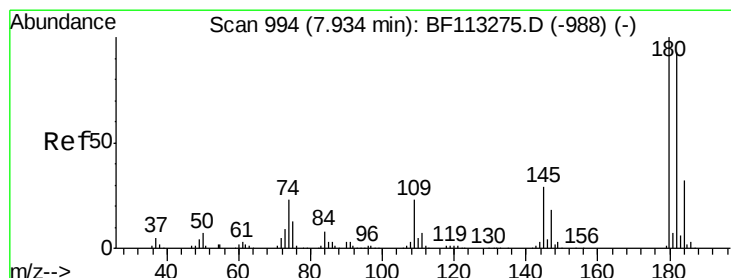
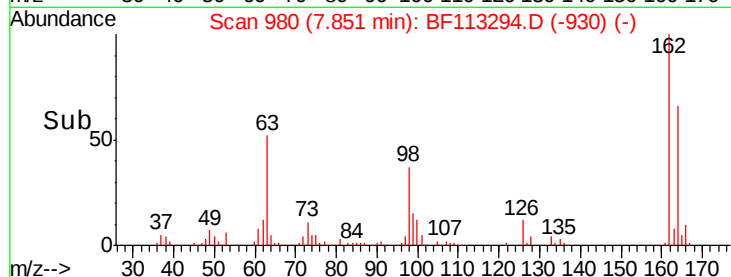
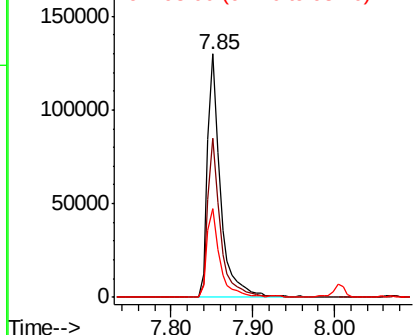
#29
2,4-Dichlorophenol
Concen: 17.849 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:162 Resp: 143940
Ion Ratio Lower Upper
162 100
164 65.6 44.6 84.6
98 36.7 15.6 55.6

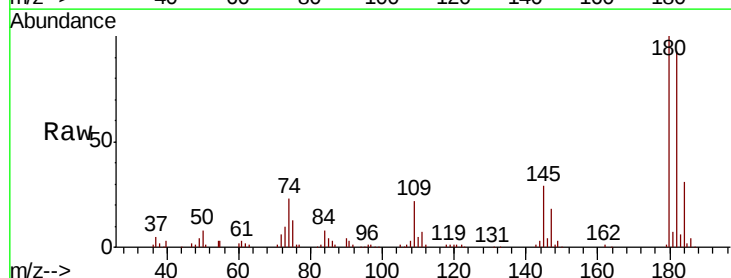


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

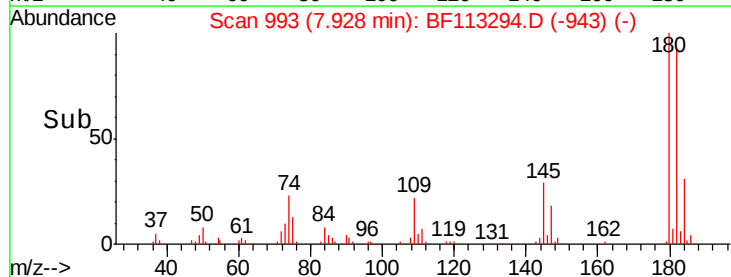
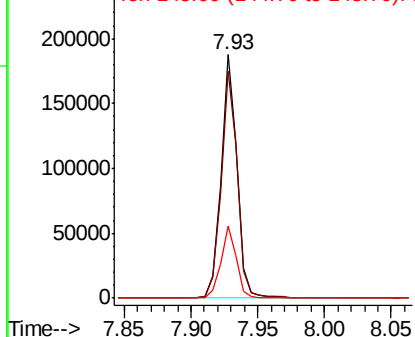


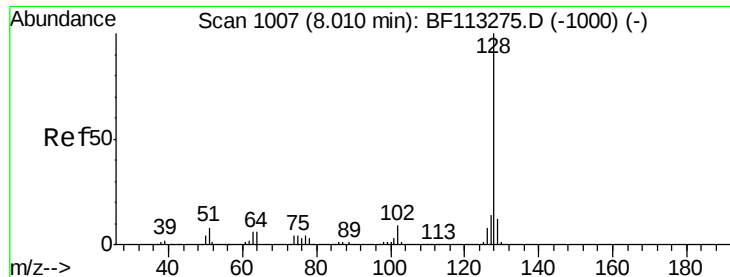
#30
1,2,4-Trichlorobenzene
Concen: 18.087 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:180 Resp: 157364
Ion Ratio Lower Upper
180 100
182 93.1 74.6 111.8
145 29.5 23.4 35.0



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

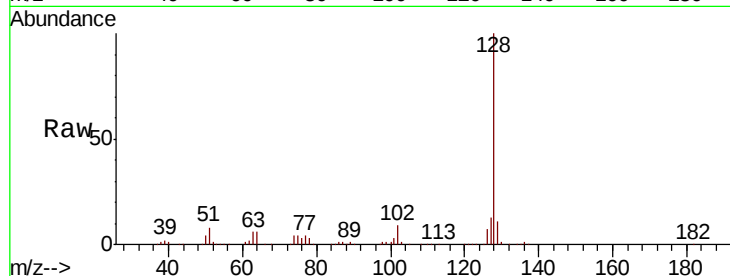




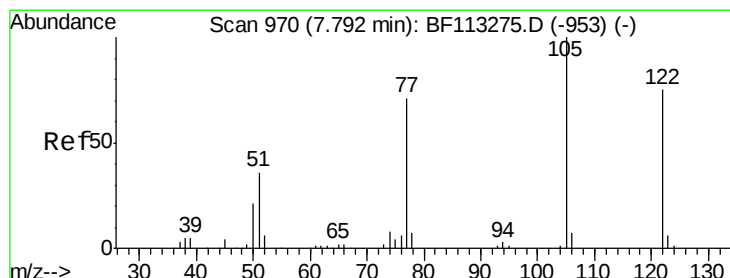
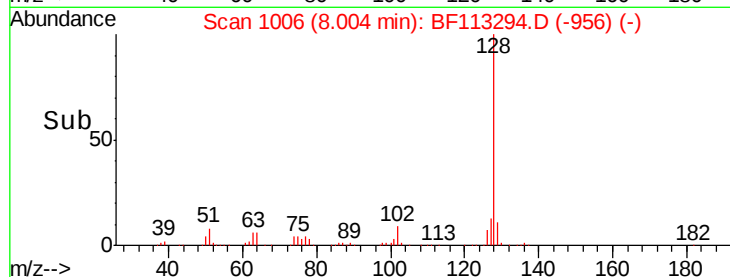
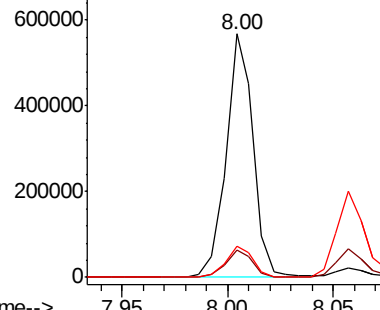
#31
Naphthalene
Concen: 18.583 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:128 Resp: 505520
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 13.0 10.9 16.3

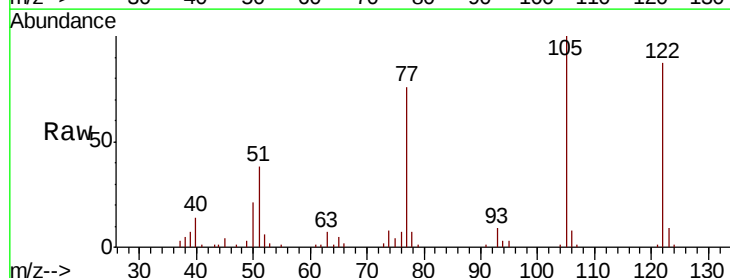


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

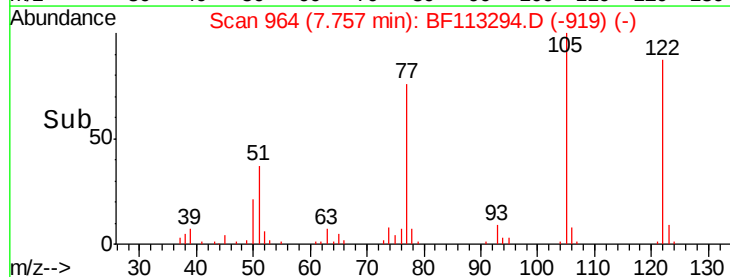
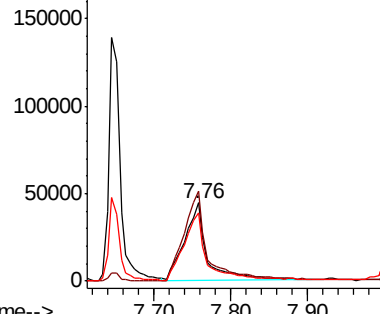


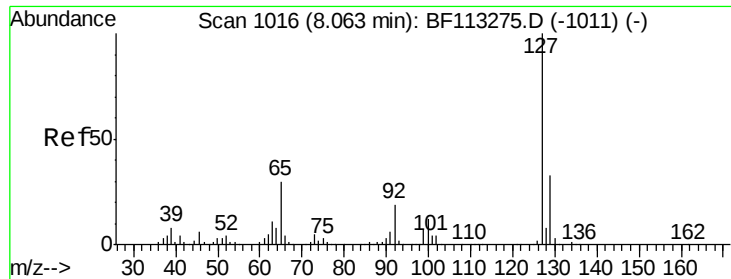
#32
Benzoic acid
Concen: 15.151 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.03 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:122 Resp: 90753
Ion Ratio Lower Upper
122 100
105 115.5 100.4 140.4
77 87.8 69.0 109.0



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

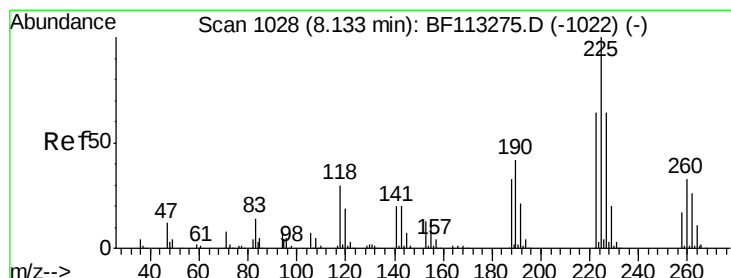
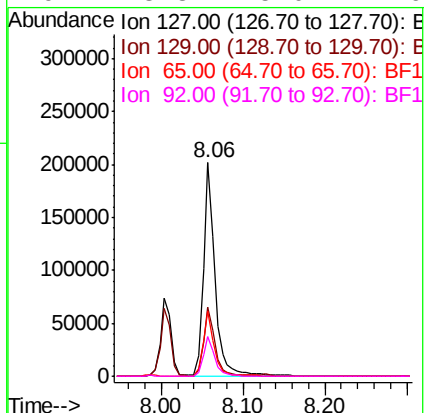
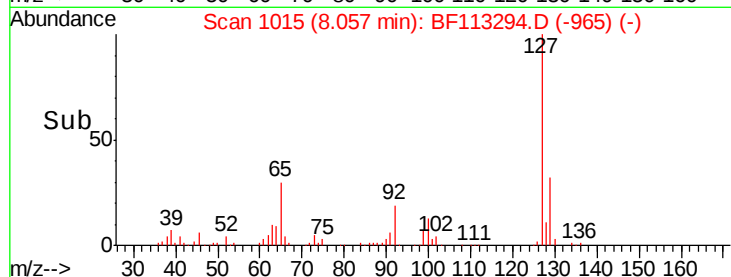
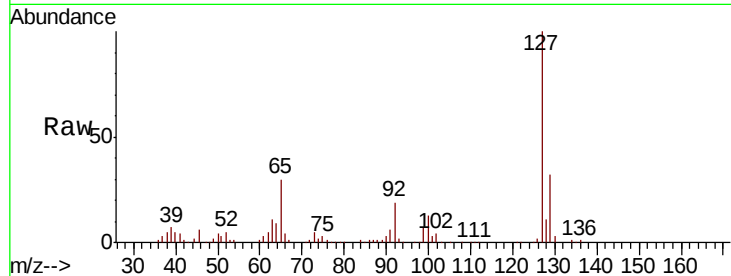




#33
4-Chloroaniline
Concen: 18.967 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

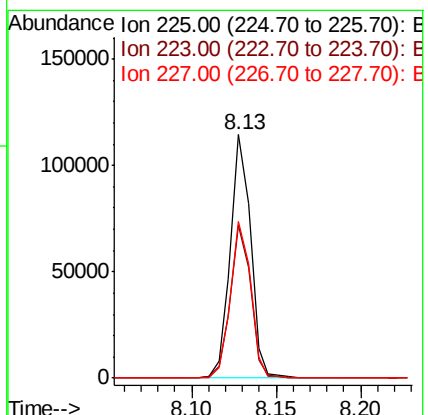
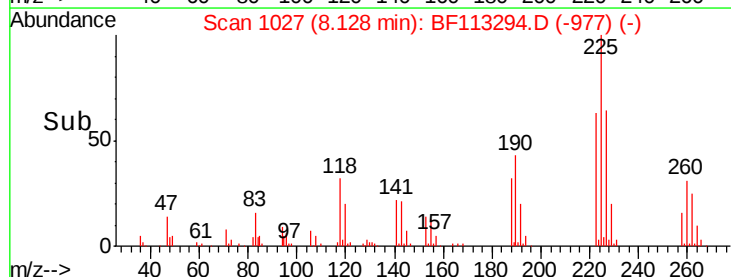
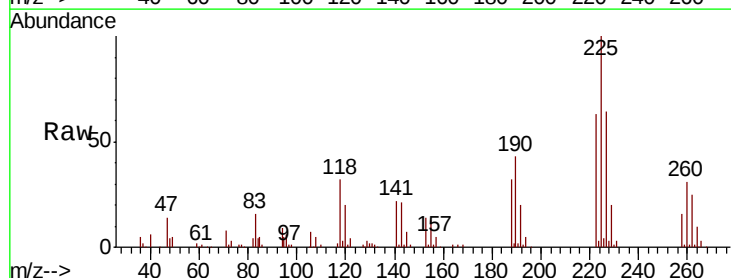
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

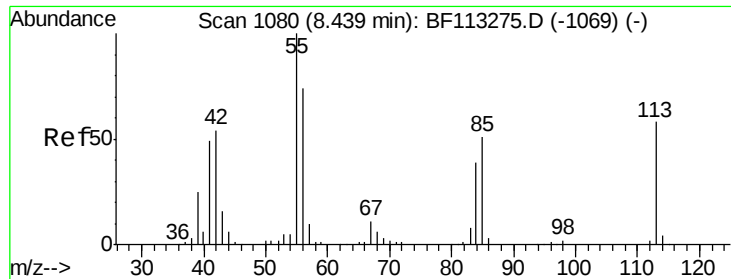
Tgt Ion:	127	Resp:	201198
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	30.4	24.2	36.4
92	18.8	15.0	22.6



#34
Hexachlorobutadiene
Concen: 18.459 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:	225	Resp:	95453
Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.4	77.2
227	64.5	51.1	76.7

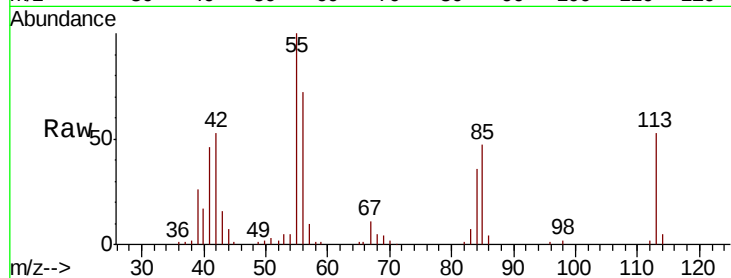




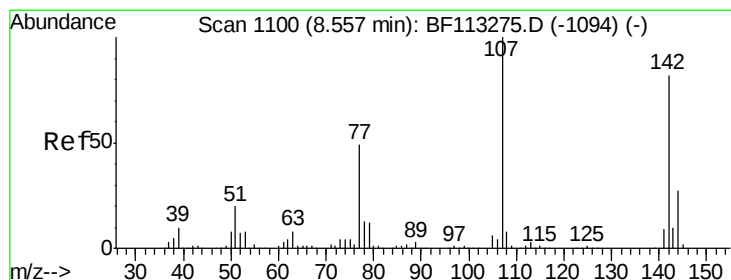
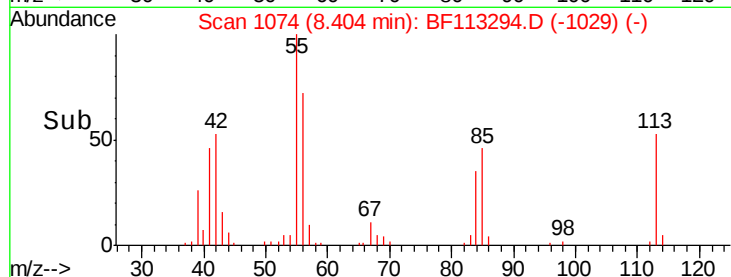
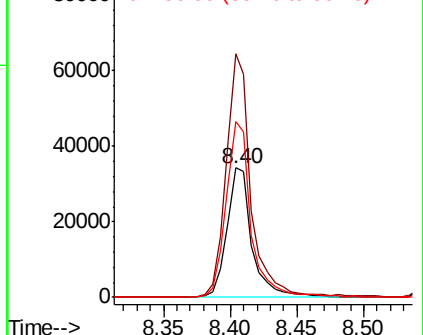
#35
 Caprolactam
 Concen: 17.428 ng
 RT: 8.40 min Scan# 1074
 Delta R.T. -0.04 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:113 Resp: 45106
 Ion Ratio Lower Upper
 113 100
 55 188.0 152.7 192.7
 56 135.6 108.3 148.3

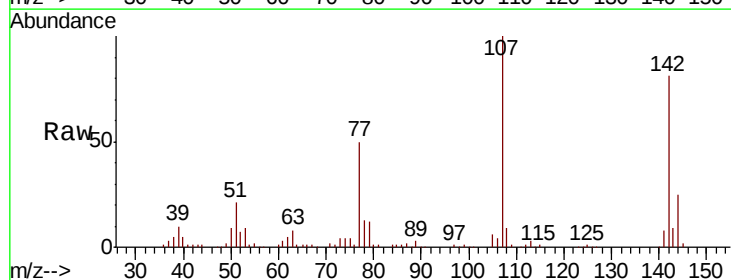


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

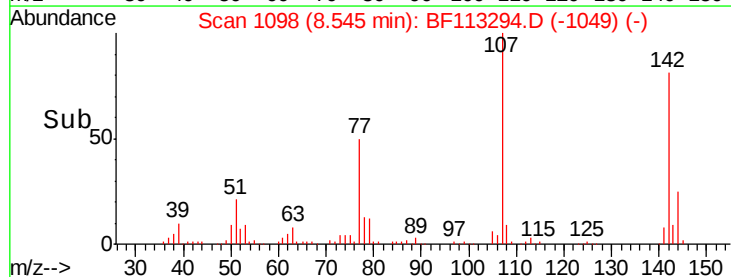
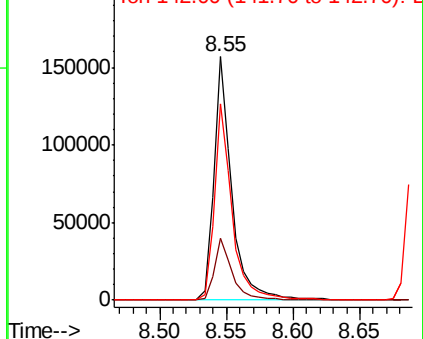


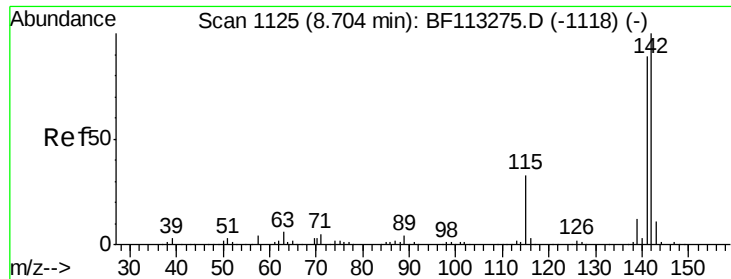
#36
 4-Chloro-3-methylphenol
 Concen: 18.211 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:107 Resp: 147710
 Ion Ratio Lower Upper
 107 100
 144 25.2 21.4 32.0
 142 80.6 65.6 98.4



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

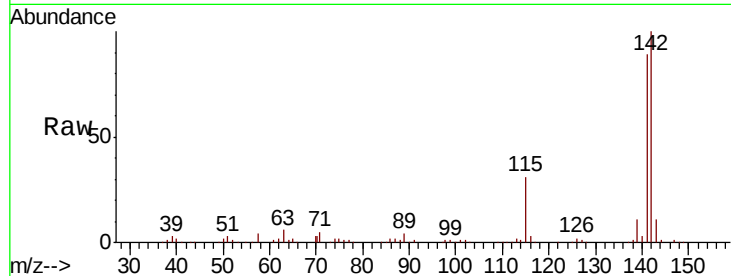




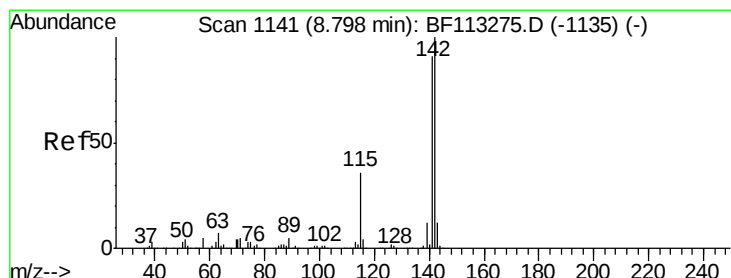
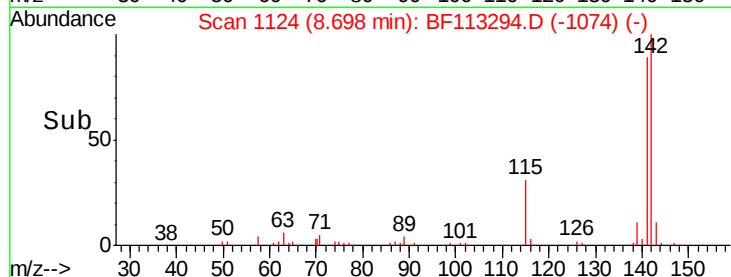
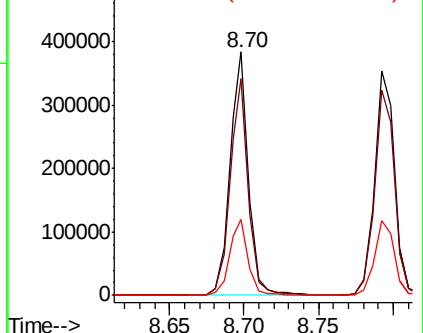
#37
2-Methylnaphthalene
Concen: 19.709 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	31.2	26.6	39.8

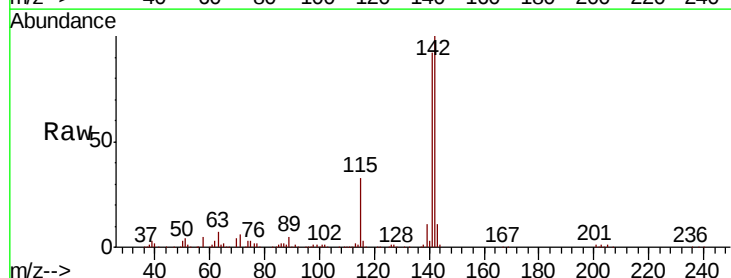


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

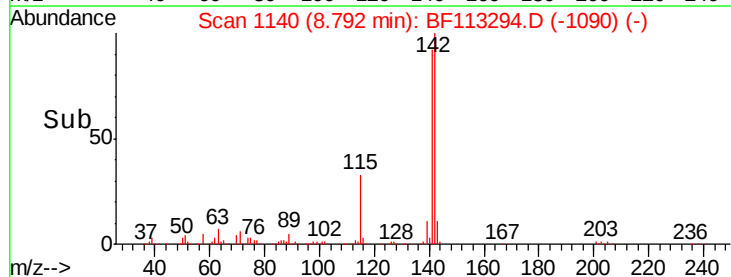
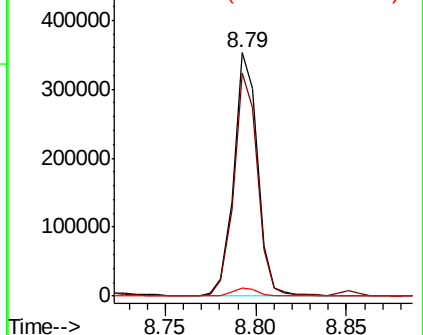


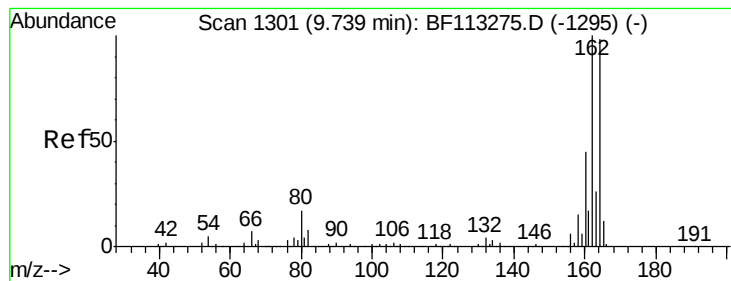
#38
1-Methylnaphthalene
Concen: 19.622 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8
116	3.5	3.0	4.4



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

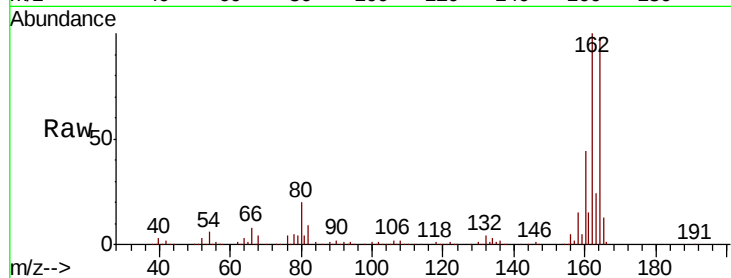
Tgt Ion:164 Resp: 304392

Ion Ratio Lower Upper

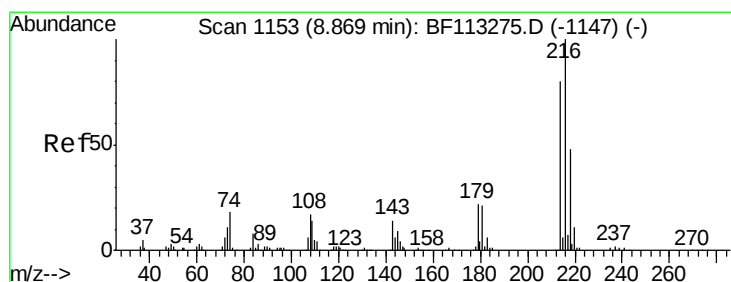
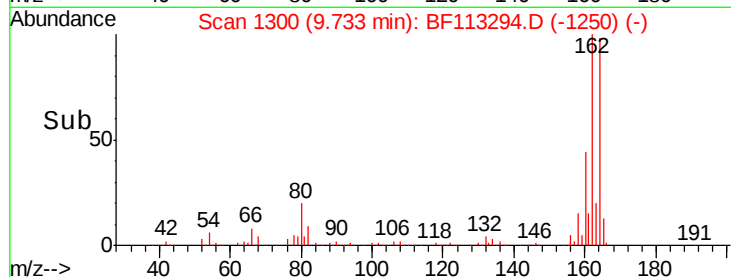
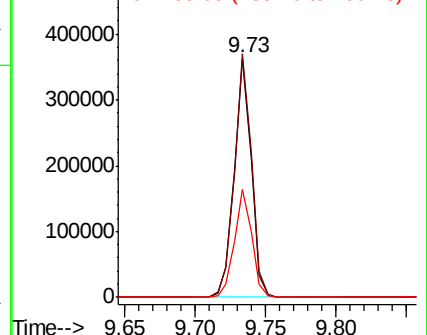
164 100

162 101.9 81.8 122.6

160 44.9 36.4 54.6



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: 16.328 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Tgt Ion:216 Resp: 159544

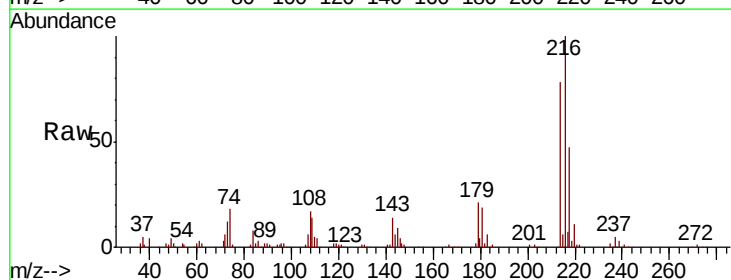
Ion Ratio Lower Upper

216 100

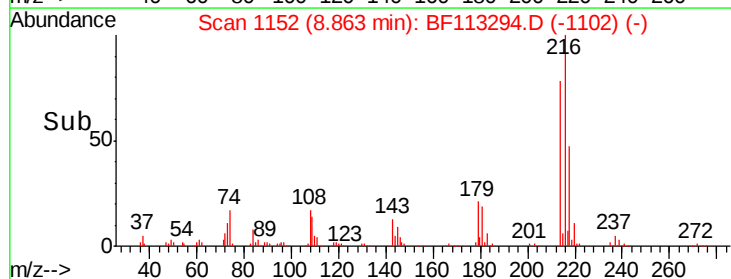
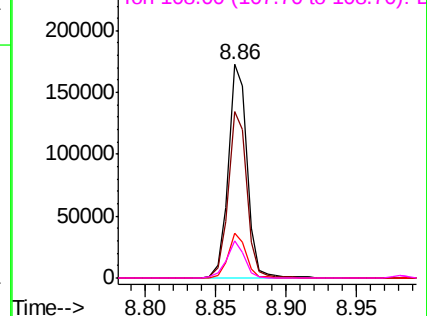
214 77.5 63.0 94.6

179 19.9 16.8 25.2

108 16.6 13.8 20.6



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: 10.422 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

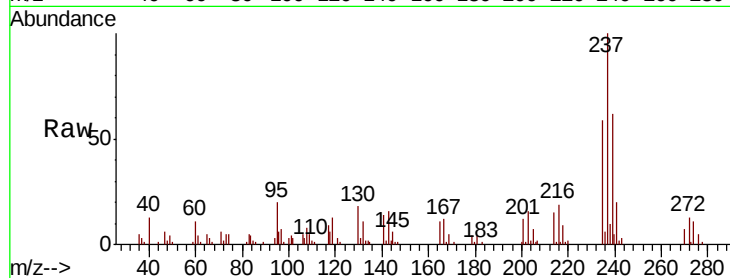
Tgt Ion: 237 Resp: 43102

Ion Ratio Lower Upper

237 100

235 59.3 43.4 83.4

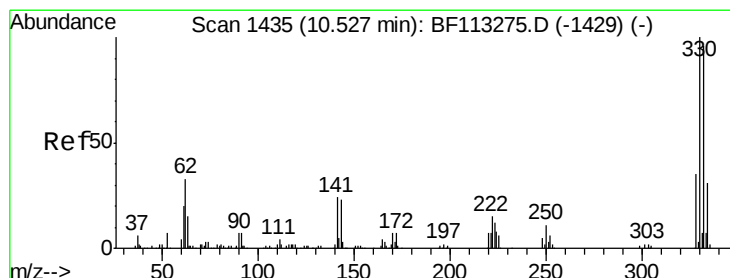
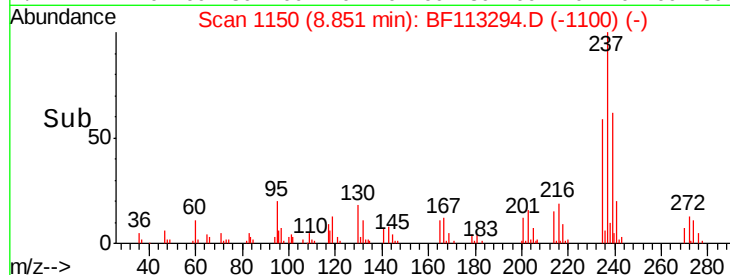
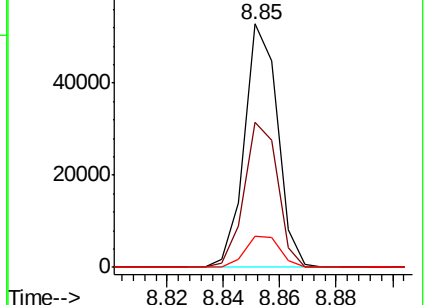
272 12.8 0.0 33.7



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: 124.055 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

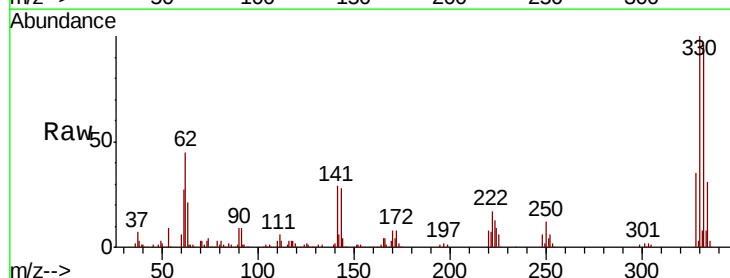
Tgt Ion: 330 Resp: 466440

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

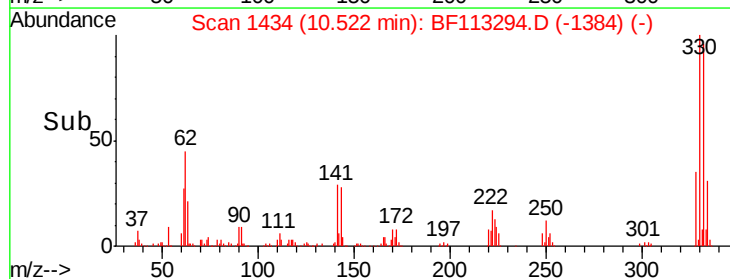
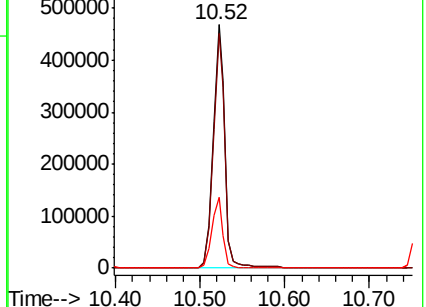
141 27.6 22.7 34.1

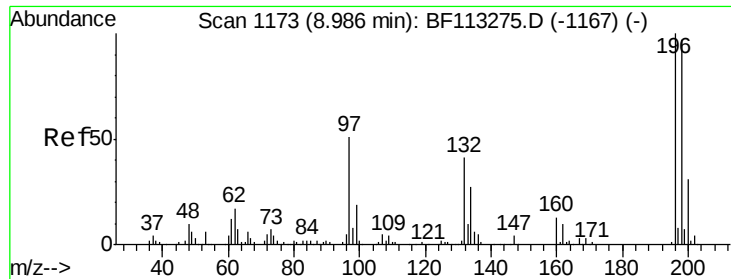


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

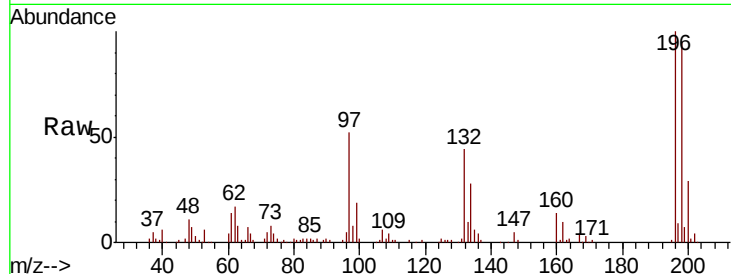




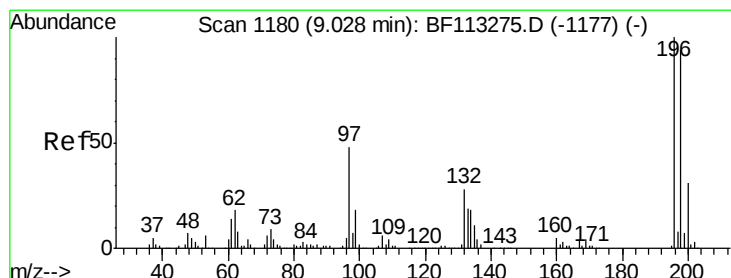
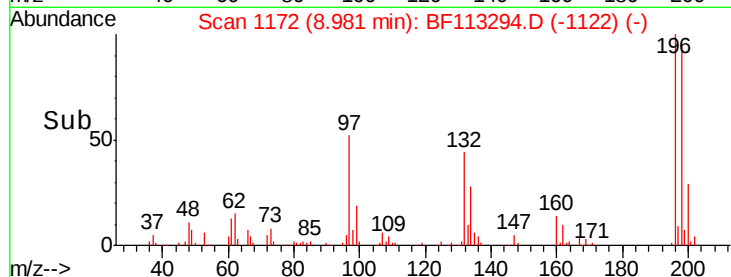
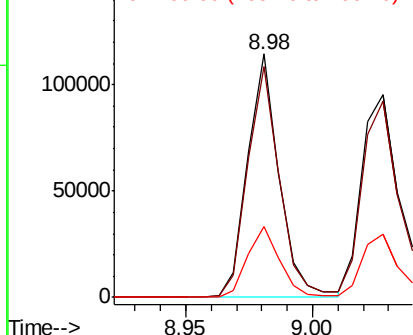
#43
 2,4,6-Trichlorophenol
 Concen: 15.640 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:196 Resp: 99516
 Ion Ratio Lower Upper
 196 100
 198 94.6 77.7 116.5
 200 29.0 24.9 37.3

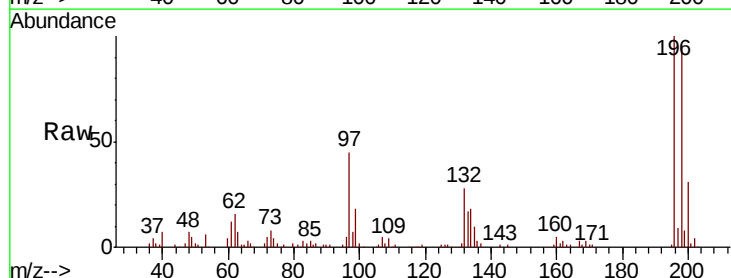


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

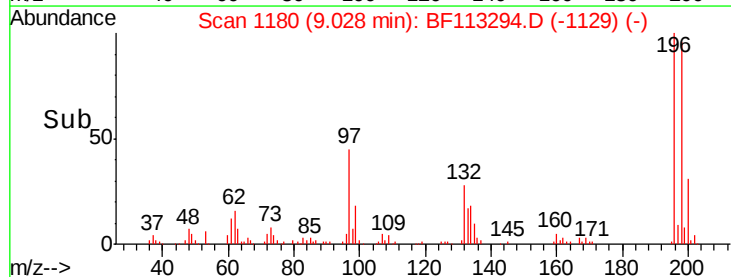
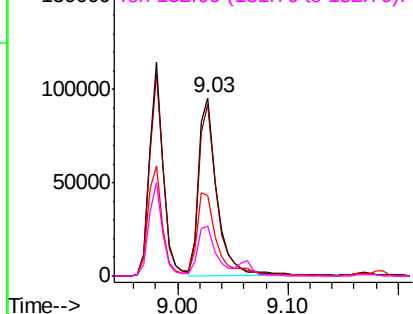


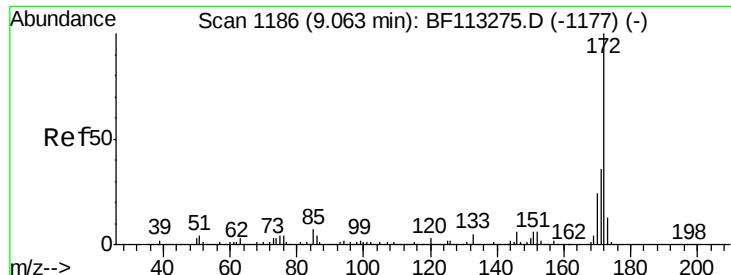
#44
 2,4,5-Trichlorophenol
 Concen: 15.312 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:196 Resp: 107824
 Ion Ratio Lower Upper
 196 100
 198 96.3 75.4 113.2
 97 45.3 38.6 58.0
 132 28.2 22.9 34.3



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

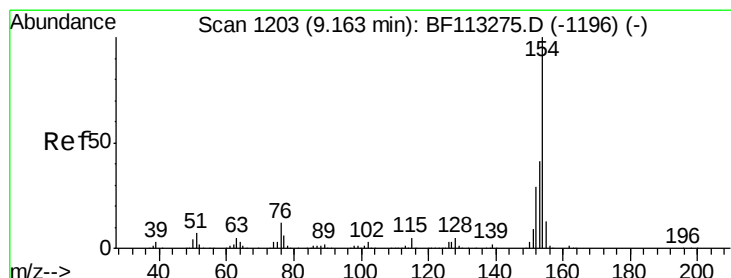
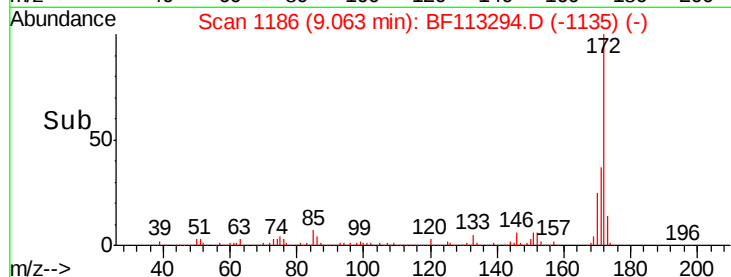
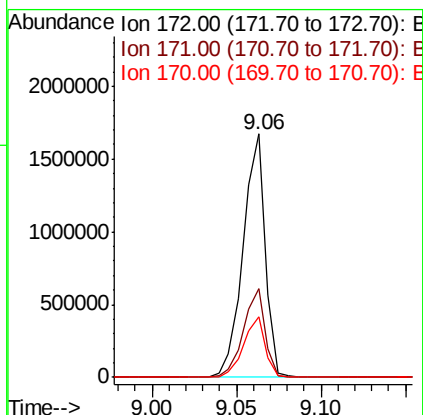
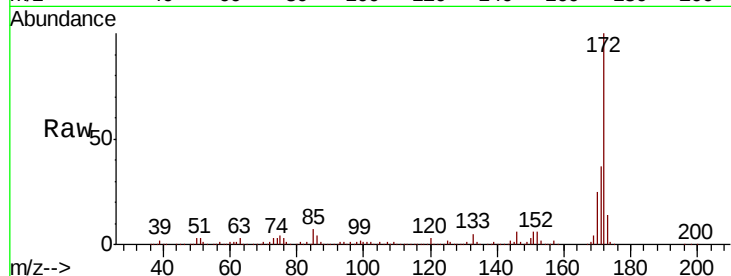




#45
2-Fluorobiphenyl
Concen: 77.751 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

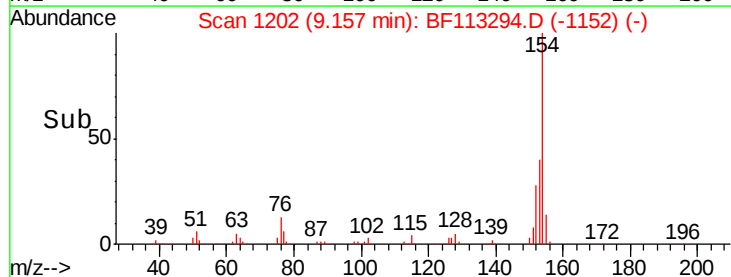
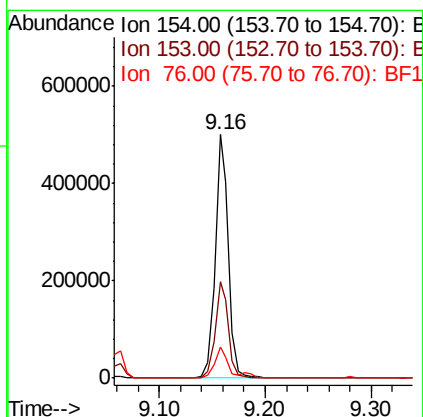
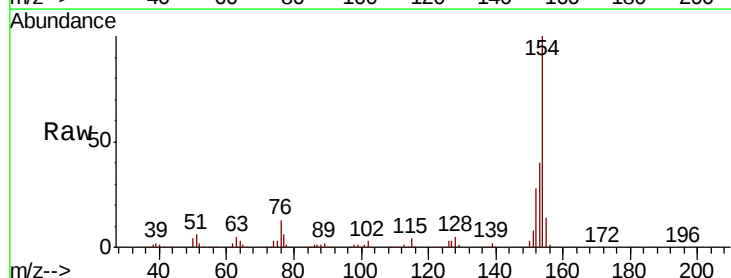
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

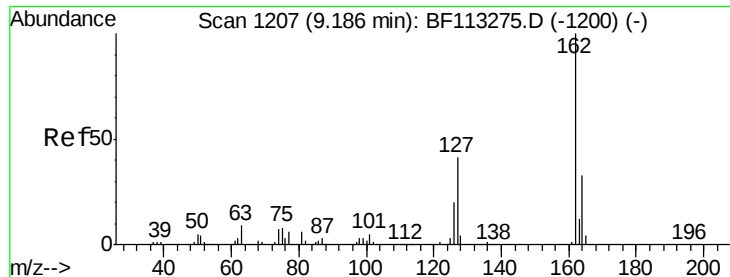
Tgt Ion:172 Resp: 1539186
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.6 19.5 29.3



#46
1,1'-Biphenyl
Concen: 17.347 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:154 Resp: 441019
Ion Ratio Lower Upper
154 100
153 39.8 20.8 60.8
76 12.8 0.0 31.9

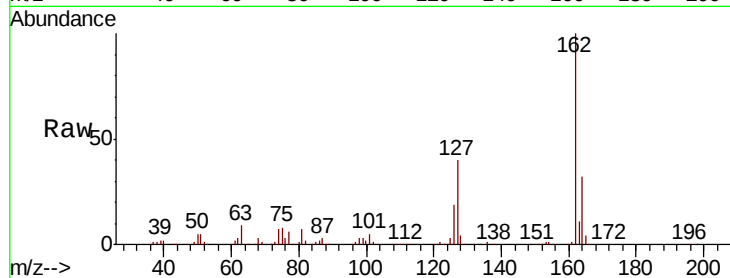




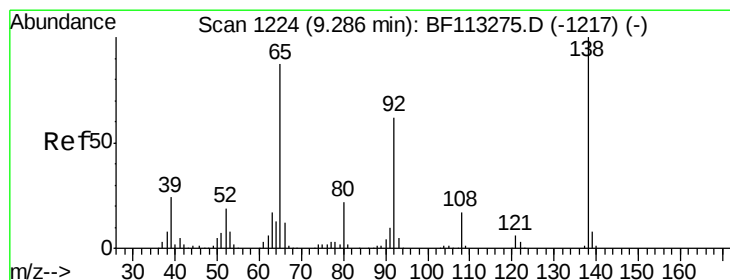
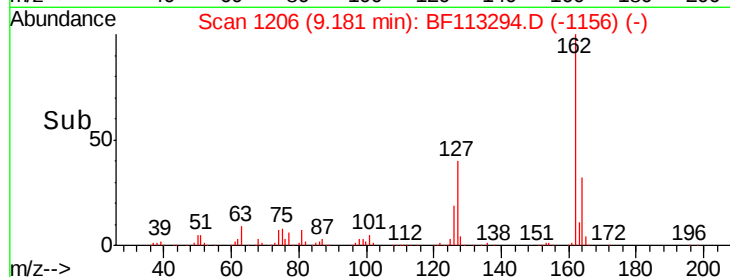
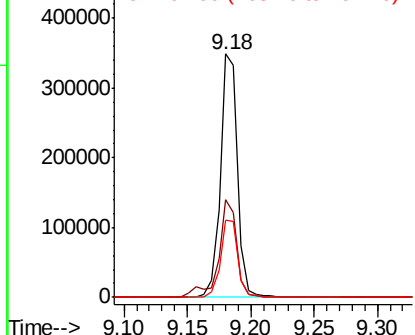
#47
 2-Chloronaphthalene
 Concen: 16.843 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.6	49.0
164	31.9	26.6	39.8

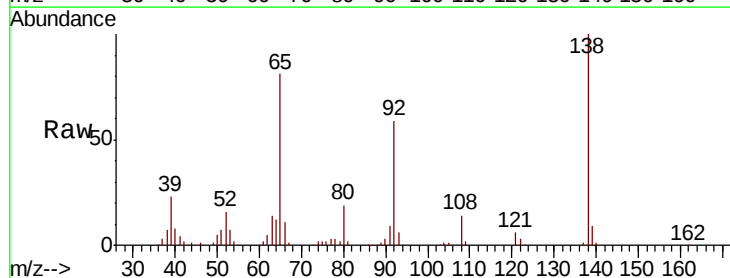


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

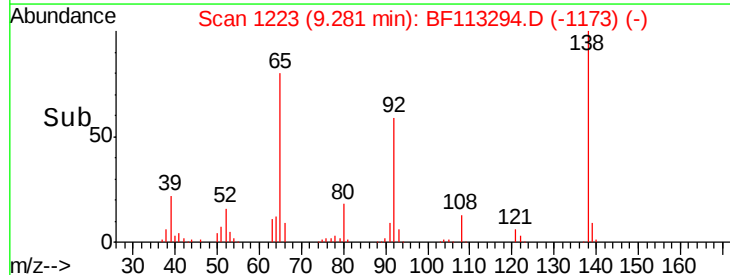
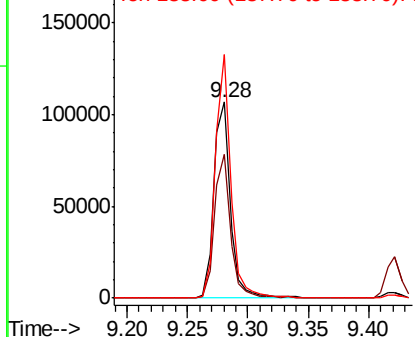


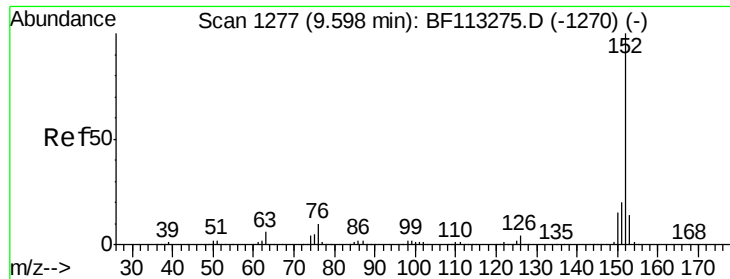
#48
 2-Nitroaniline
 Concen: 16.321 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.2	56.8	85.2
138	124.2	92.3	138.5



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: 18.623 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

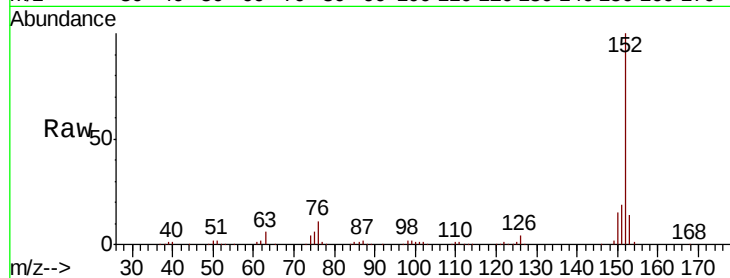
Tgt Ion:152 Resp: 589427

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.4

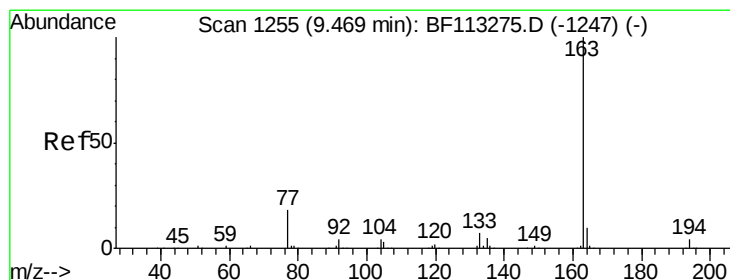
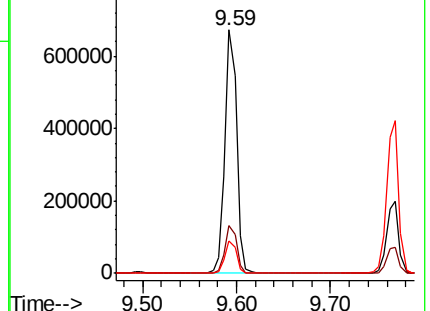
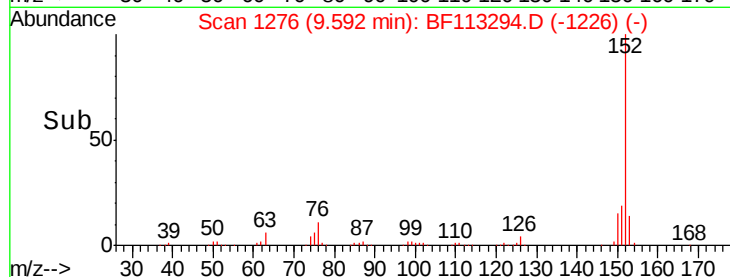
153 13.5 11.0 16.6



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: 17.304 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

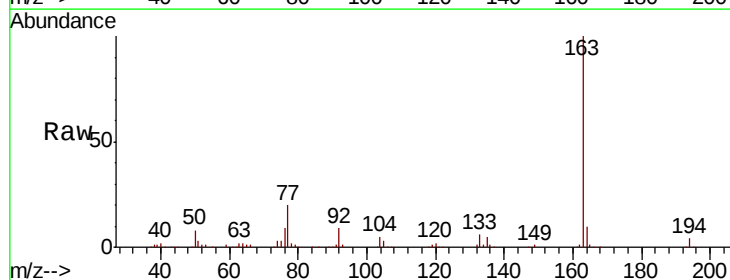
Tgt Ion:163 Resp: 390346

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

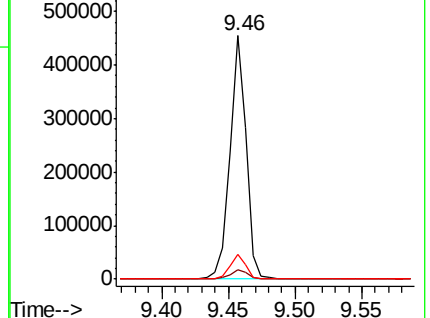
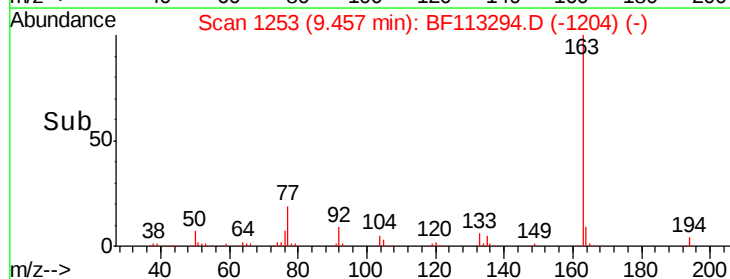
164 10.3 8.1 12.1

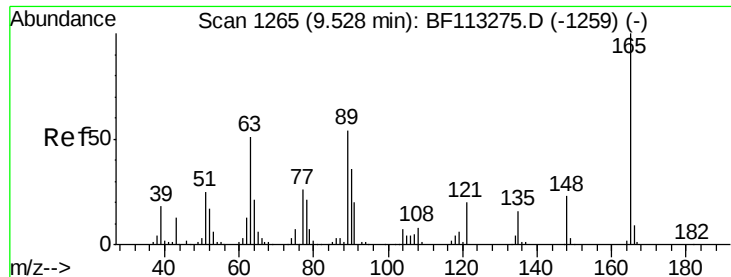


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 17.283 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

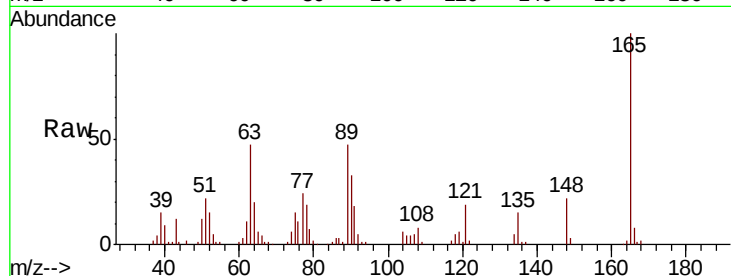
Tgt Ion:165 Resp: 87952

Ion Ratio Lower Upper

165 100

63 47.0 43.4 65.0

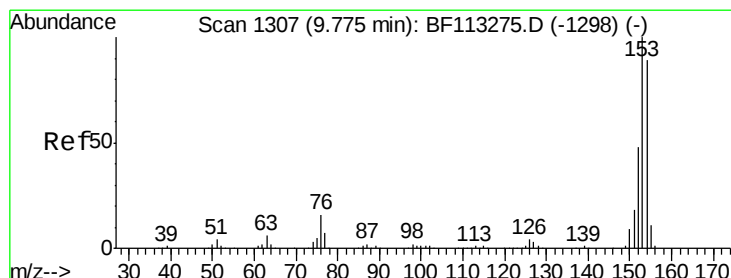
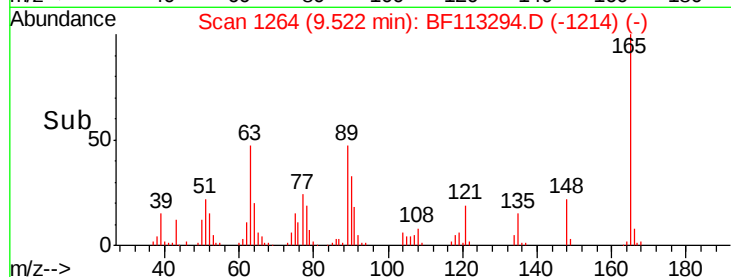
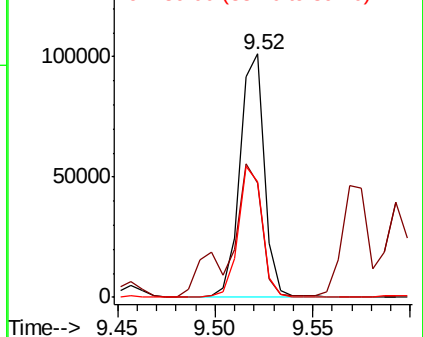
89 47.4 43.1 64.7



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: 18.481 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

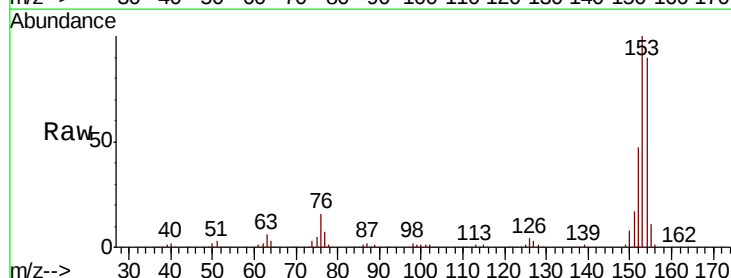
Tgt Ion:154 Resp: 329394

Ion Ratio Lower Upper

154 100

153 111.1 89.5 134.3

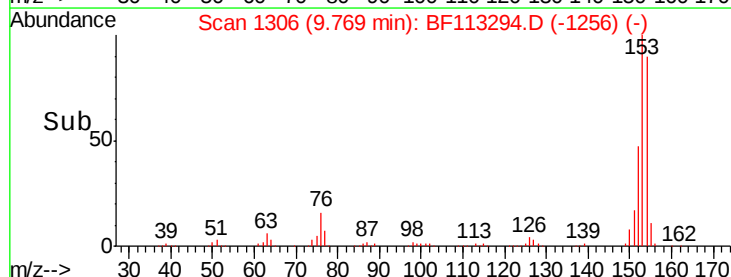
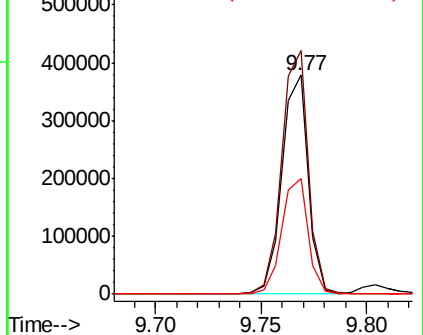
152 52.5 43.3 64.9

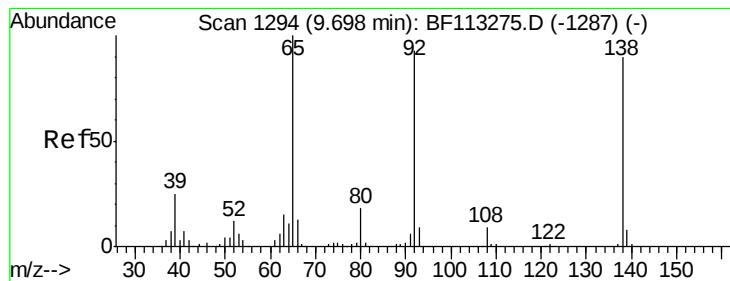


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.298 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

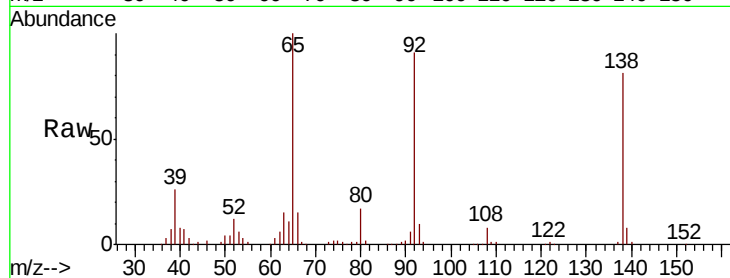
Tgt Ion:138 Resp: 99274

Ion Ratio Lower Upper

138 100

108 10.3 7.8 11.6

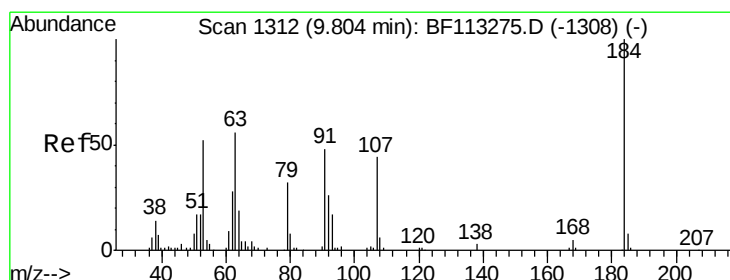
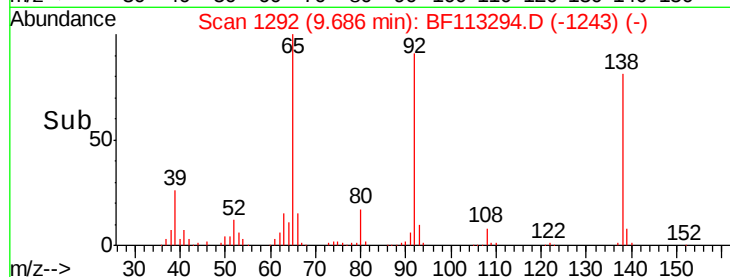
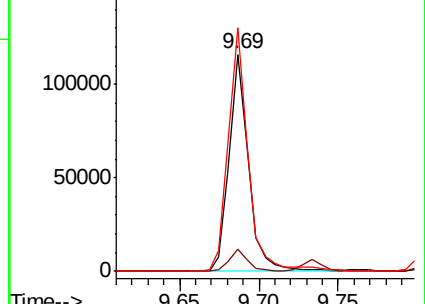
92 112.1 82.6 124.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 14.450 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

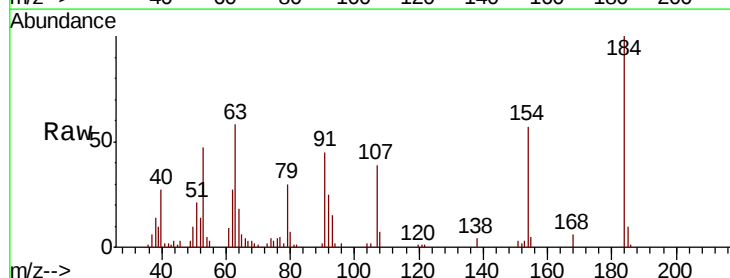
Tgt Ion:184 Resp: 36575

Ion Ratio Lower Upper

184 100

63 58.4 54.3 81.5

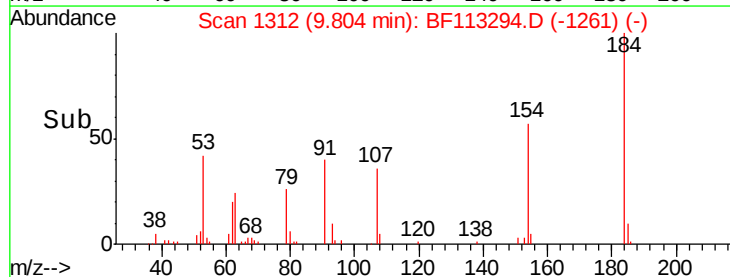
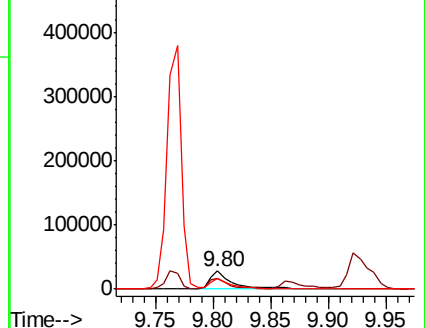
154 56.8 48.4 72.6

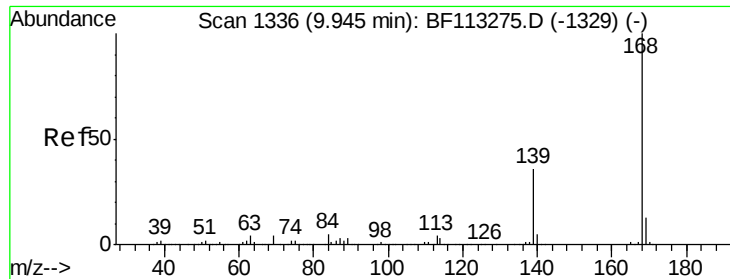


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 18.986 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

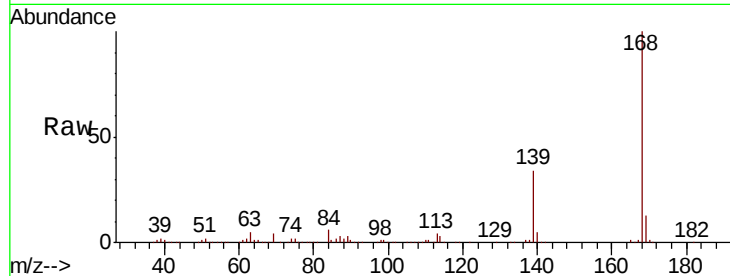
Tgt Ion:168 Resp: 508719

Ion Ratio Lower Upper

168 100

139 34.4 29.7 44.5

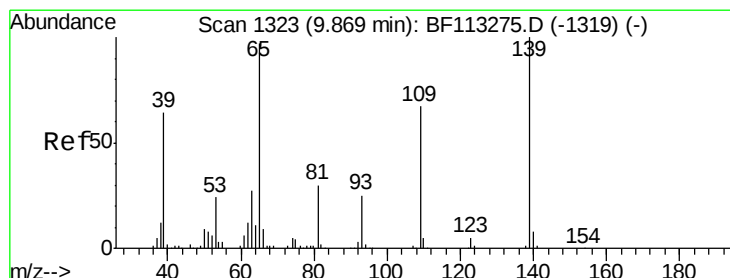
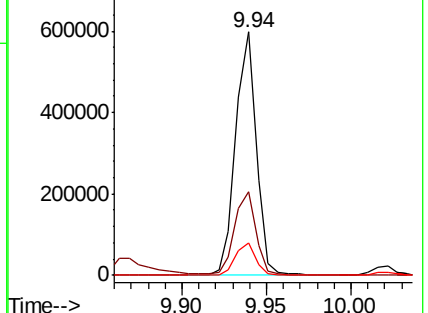
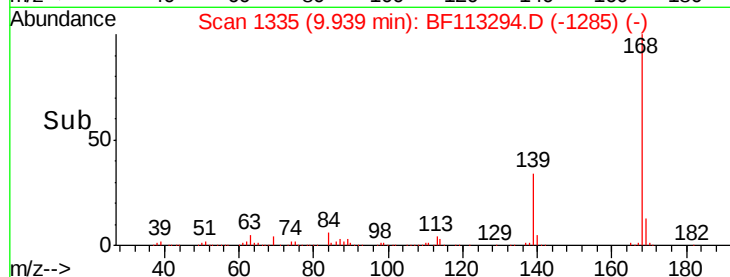
169 13.5 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 16.059 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

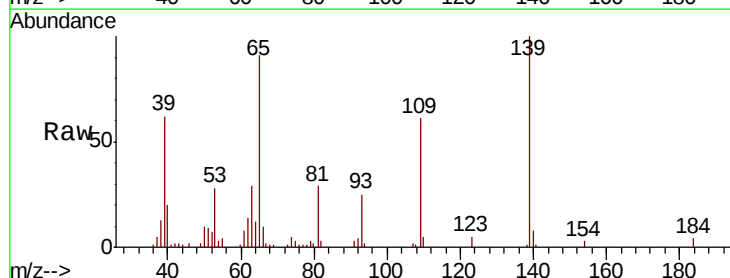
Tgt Ion:139 Resp: 65705

Ion Ratio Lower Upper

139 100

109 60.8 46.9 86.9

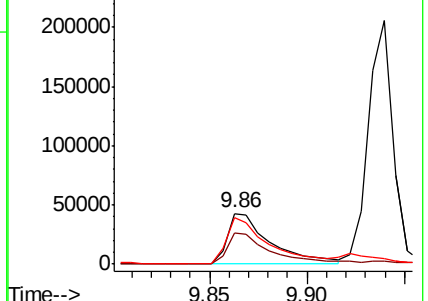
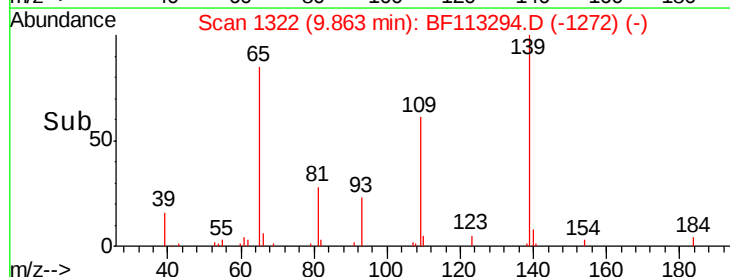
65 91.5 77.2 117.2

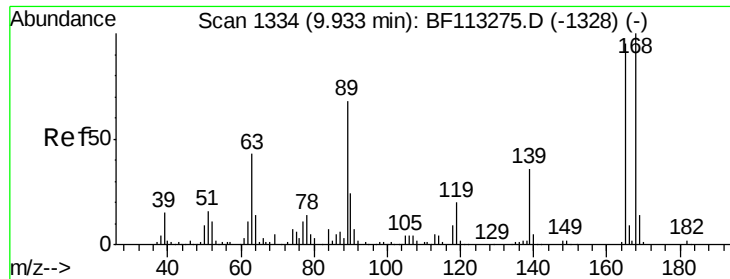


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

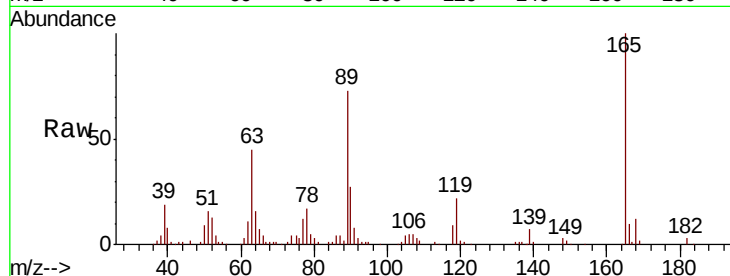




#57
2,4-Dinitrotoluene
Concen: 18.004 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.5	56.3
89	73.5	57.4	86.2
182	2.6	2.0	3.0

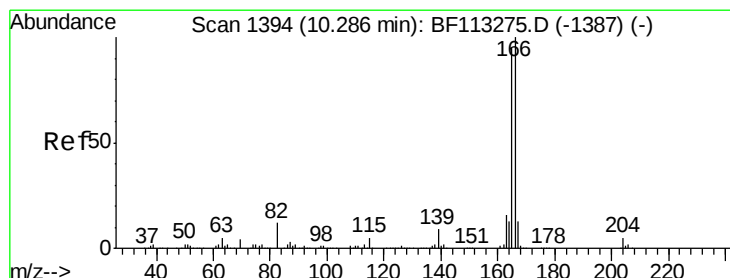
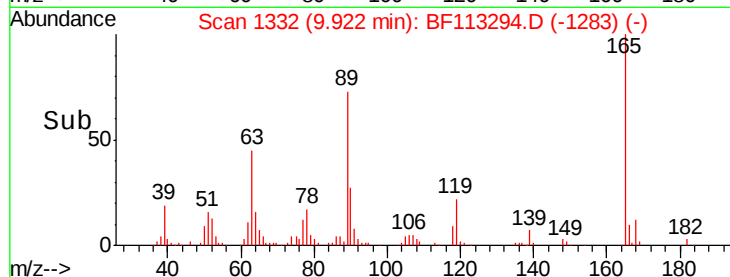
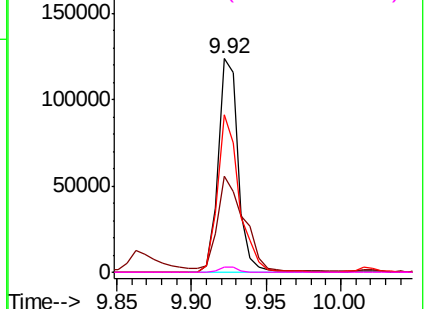


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

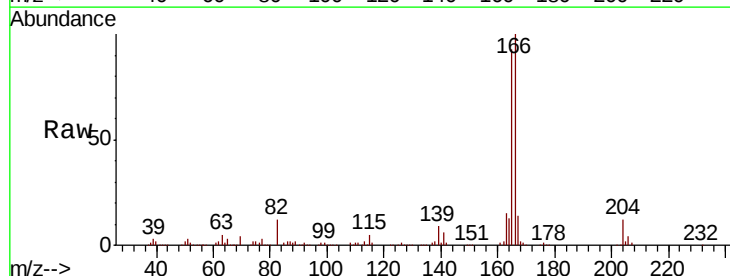
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 18.803 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

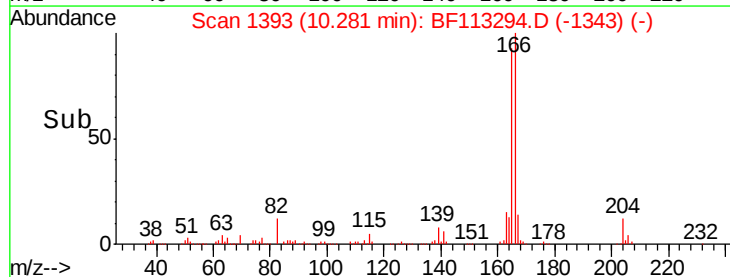
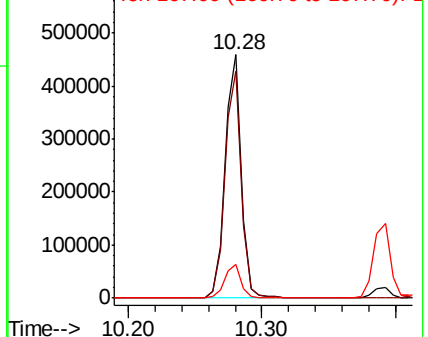
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.3	76.2	114.2
167	13.6	10.7	16.1

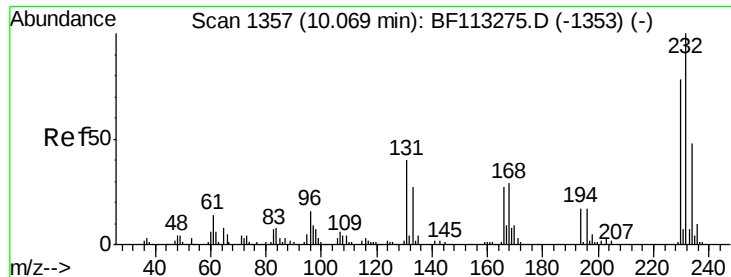


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

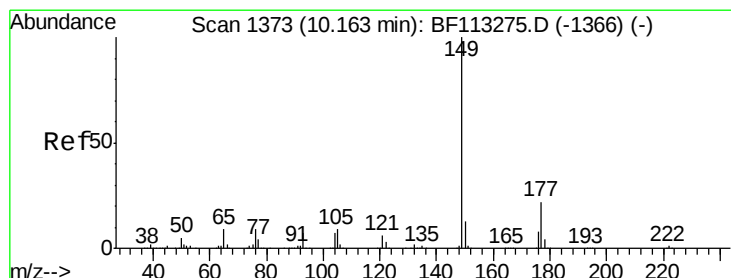
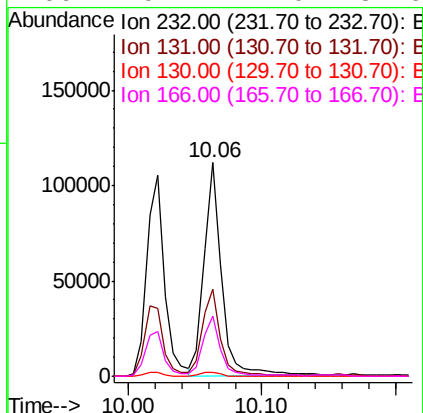
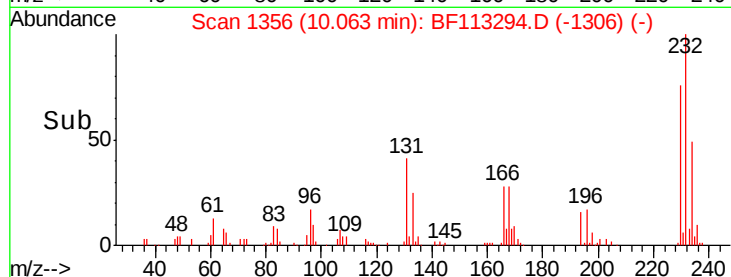
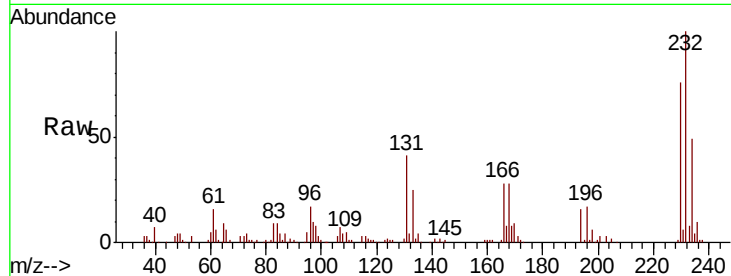




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 17.105 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

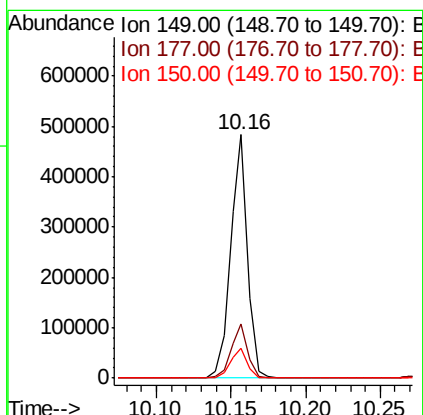
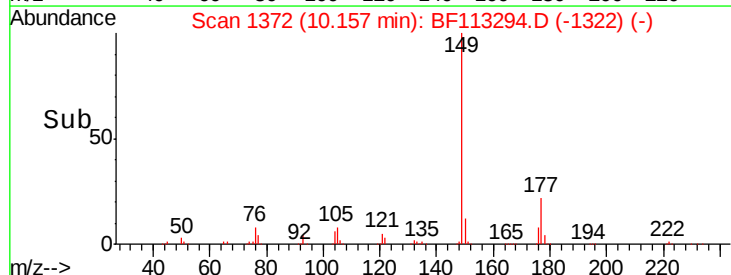
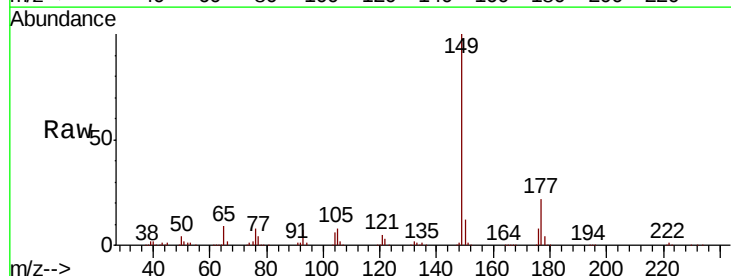
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

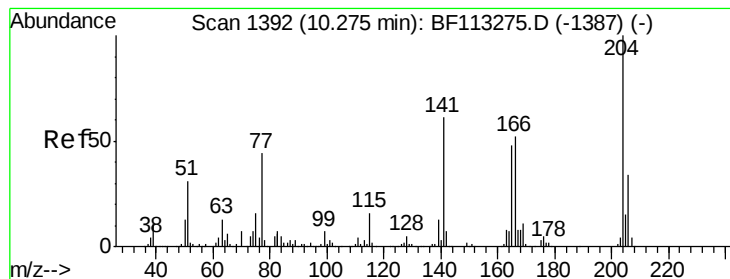
Tgt Ion:	232	Resp:	101855
Ion	Ratio	Lower	Upper
232	100		
131	42.9	33.2	49.8
130	1.9	1.6	2.4
166	29.1	21.0	31.6



#60
 Diethylphthalate
 Concen: 17.543 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:	149	Resp:	388221
Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.4	26.0
150	12.1	10.0	15.0





#61

4-Chlorophenyl-phenylether

Concen: 18.623 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

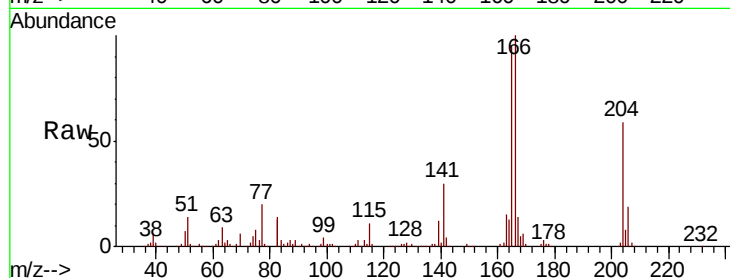
Tgt Ion:204 Resp: 188932

Ion Ratio Lower Upper

204 100

206 32.5 26.9 40.3

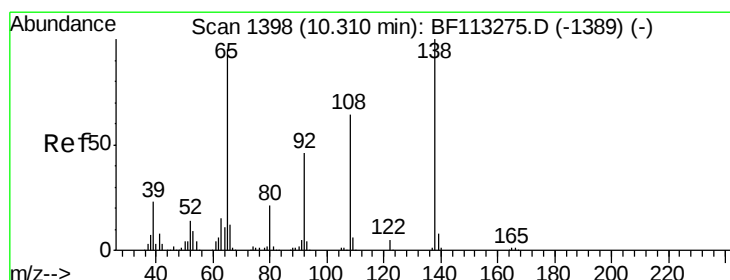
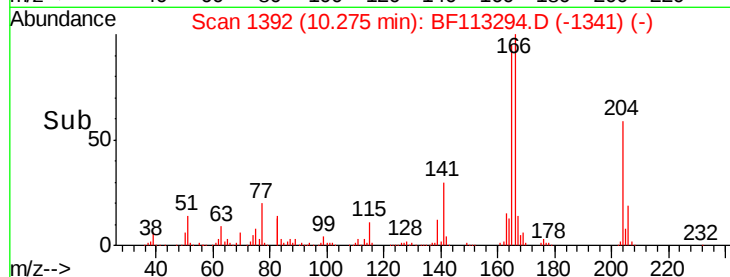
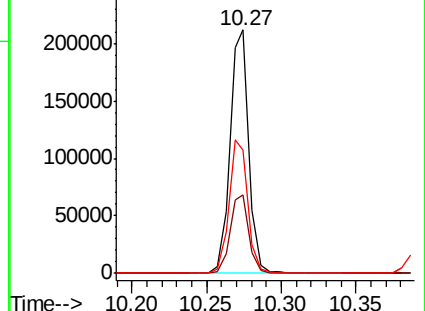
141 50.8 48.8 73.2



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: 17.562 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

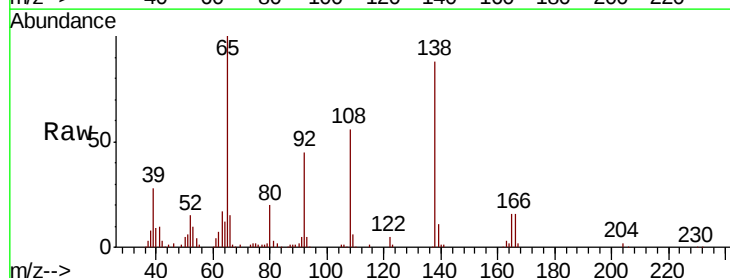
Tgt Ion:138 Resp: 103769

Ion Ratio Lower Upper

138 100

92 51.6 25.8 65.8

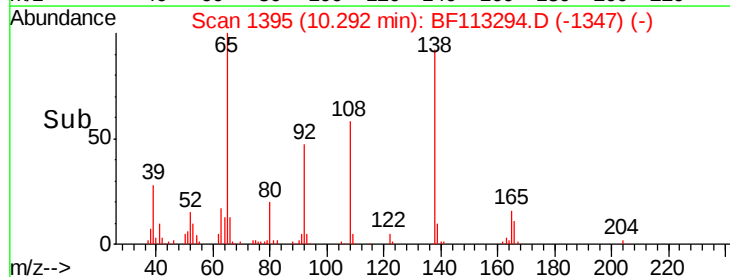
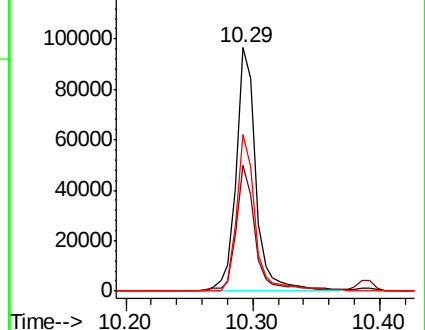
108 64.1 44.0 84.0

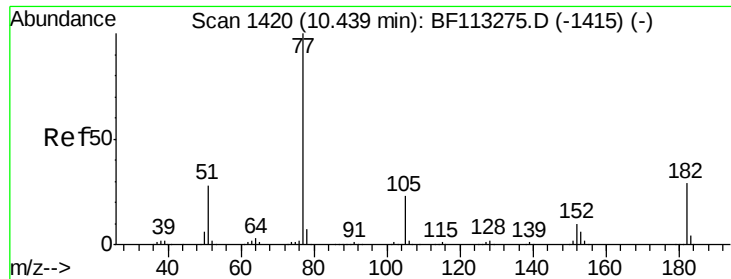


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

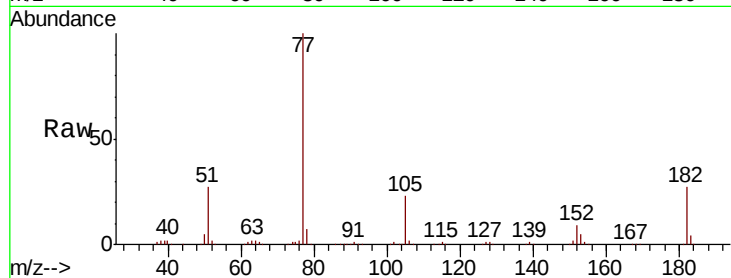




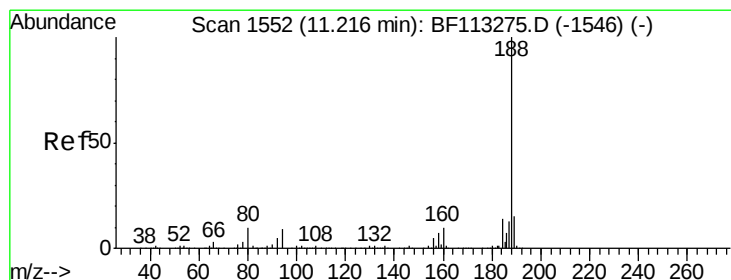
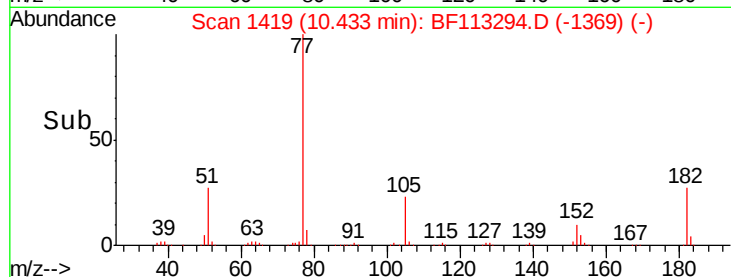
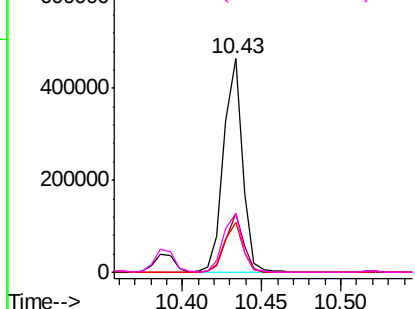
#63
Azobenzene
Concen: 18.316 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 381532
Ion Ratio Lower Upper
77 100
182 27.4 8.7 48.7
105 23.2 2.9 42.9
51 27.3 8.8 48.8

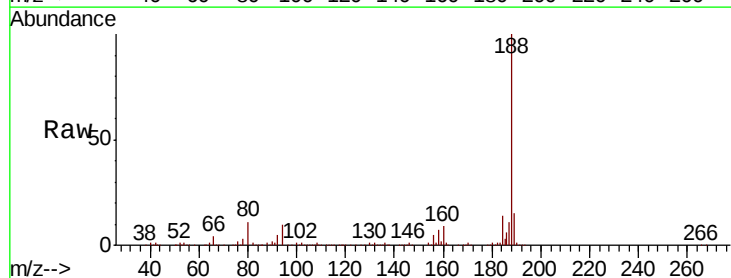


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

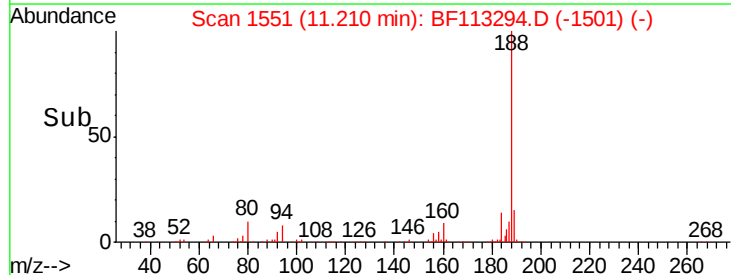
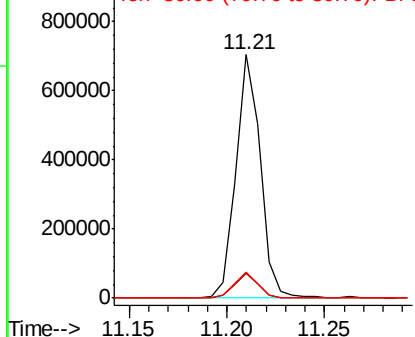


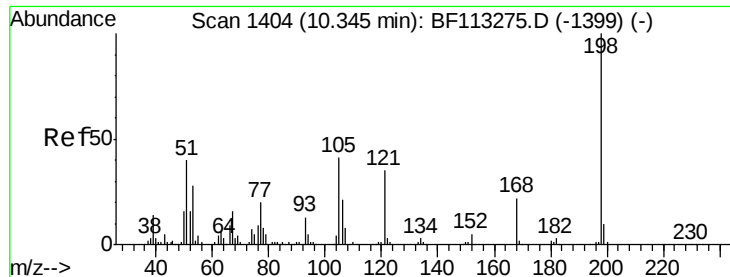
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion: 188 Resp: 611930
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 15.604 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

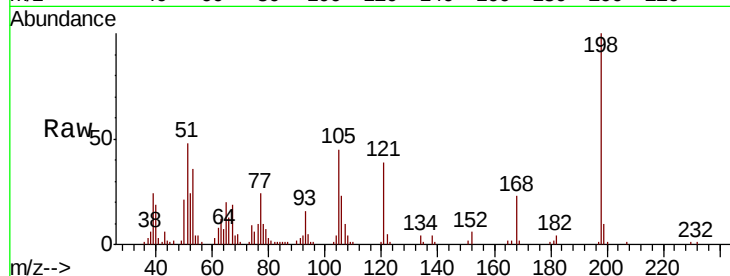
Tgt Ion:198 Resp: 52234

Ion Ratio Lower Upper

198 100

51 48.3 21.6 61.6

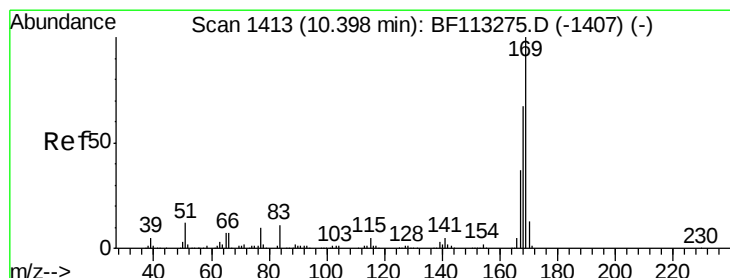
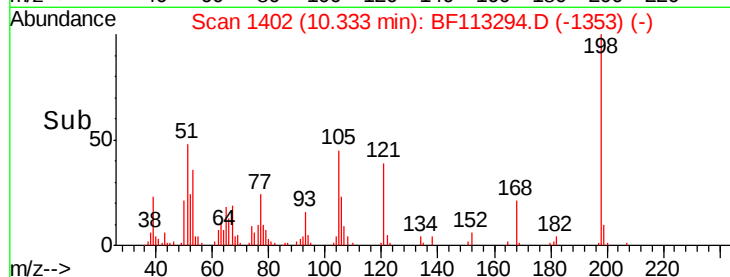
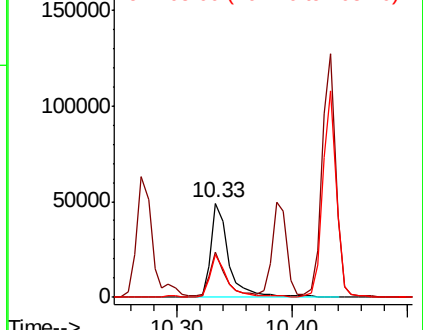
105 44.8 20.6 60.6



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: 18.292 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

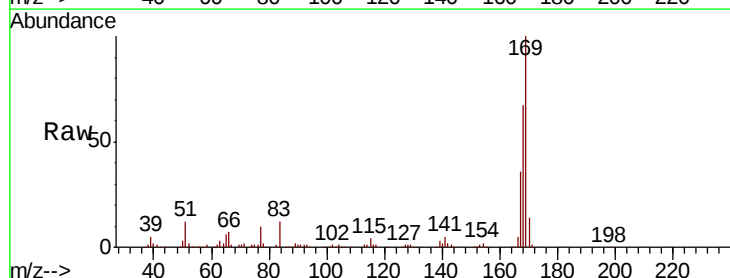
Tgt Ion:169 Resp: 343469

Ion Ratio Lower Upper

169 100

168 66.5 53.7 80.5

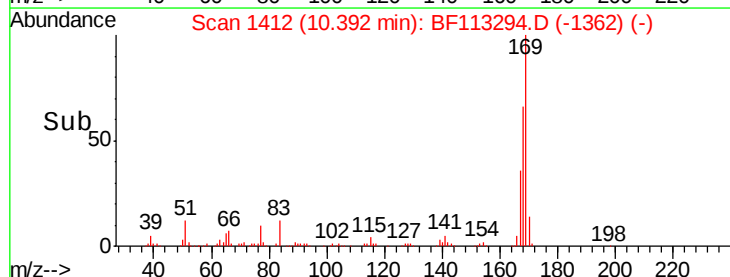
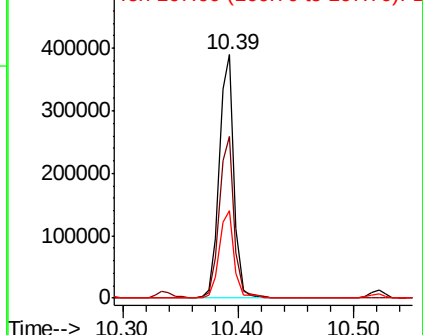
167 36.1 29.5 44.3

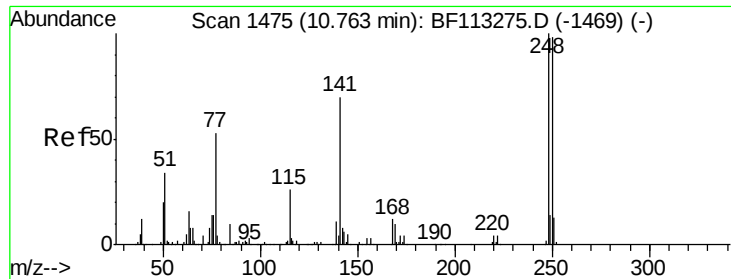


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

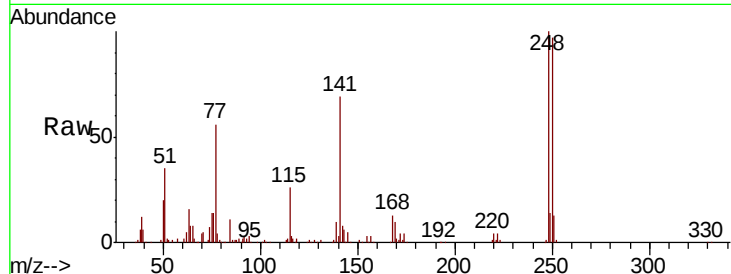




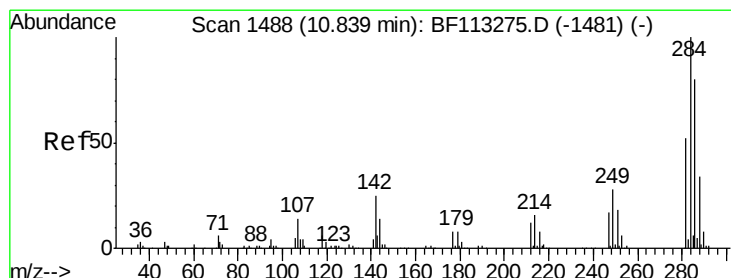
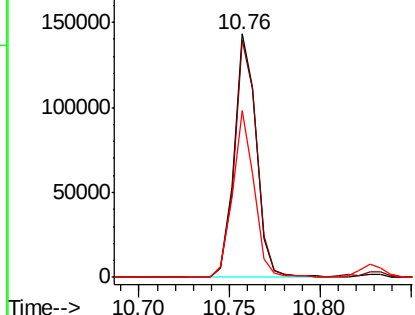
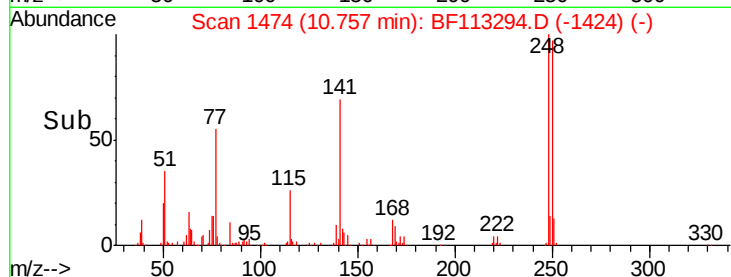
#67
4-Bromophenyl-phenylether
Concen: 18.397 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:248 Resp: 122697
Ion Ratio Lower Upper
248 100
250 97.3 78.3 117.5
141 68.8 56.2 84.4

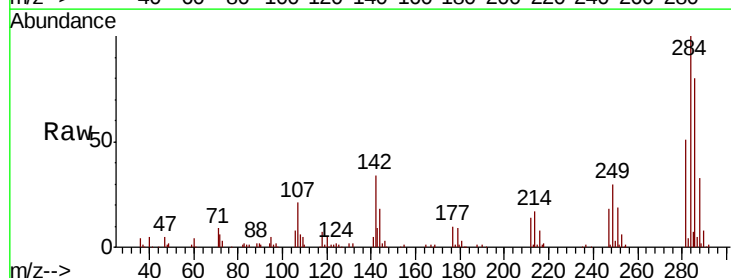


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

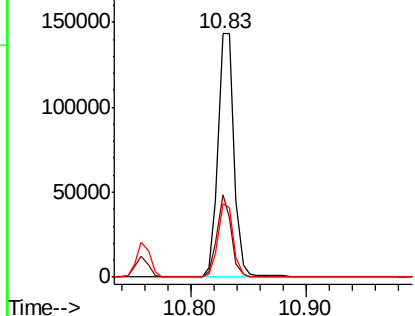
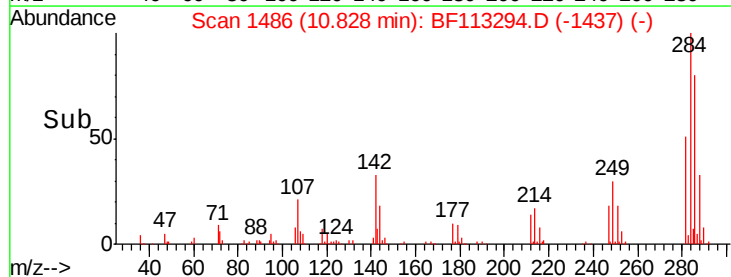


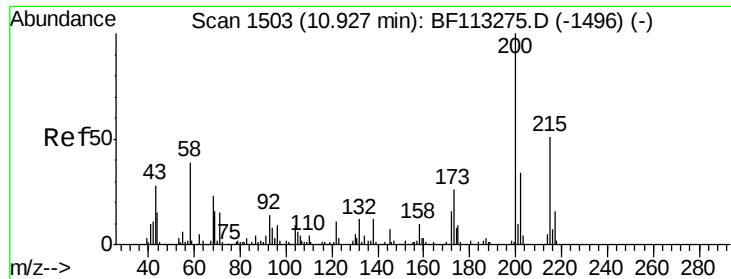
#68
Hexachlorobenzene
Concen: 18.112 ng
RT: 10.83 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:284 Resp: 140215
Ion Ratio Lower Upper
284 100
142 33.6 20.1 30.1#
249 30.0 22.7 34.1



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

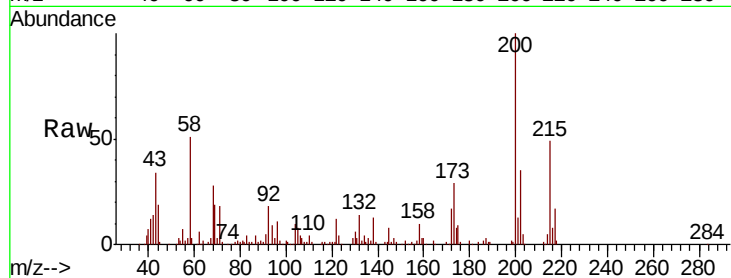




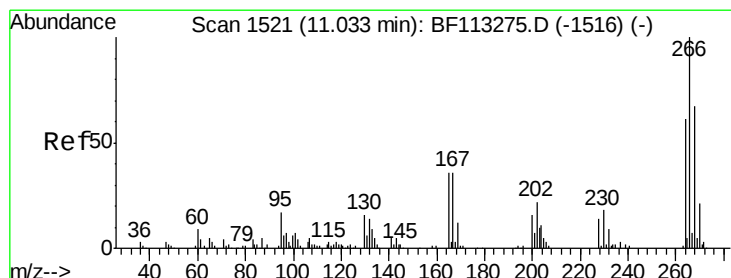
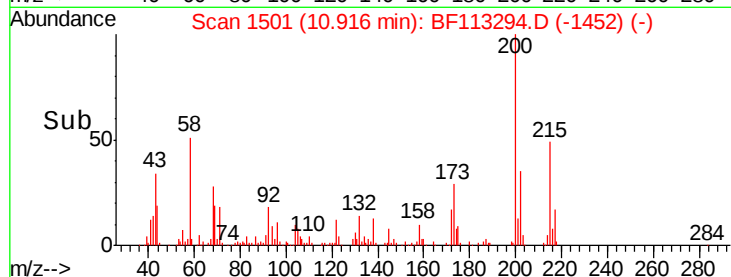
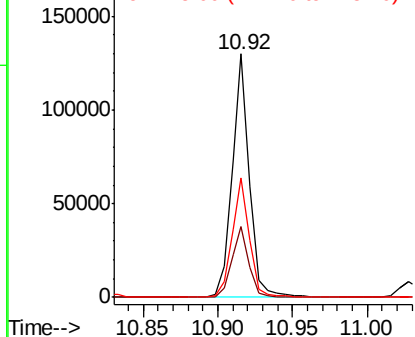
#69
Atrazine
Concen: 17.819 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:200 Resp: 105609
Ion Ratio Lower Upper
200 100
173 28.9 6.0 46.0
215 49.2 31.3 71.3

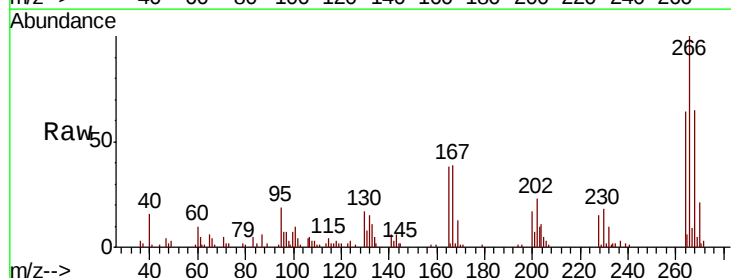


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

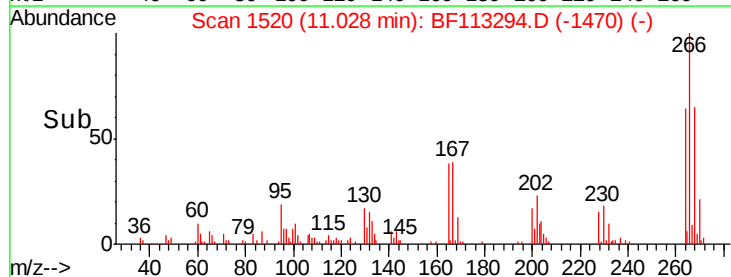
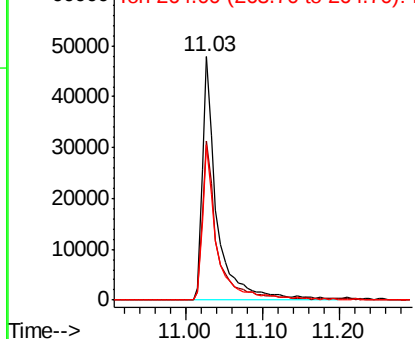


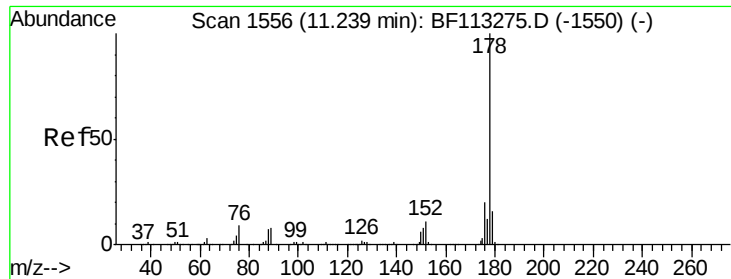
#70
Pentachlorophenol
Concen: 15.761 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:266 Resp: 63571
Ion Ratio Lower Upper
266 100
268 65.3 53.8 80.6
264 63.6 49.2 73.8



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: 19.124 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

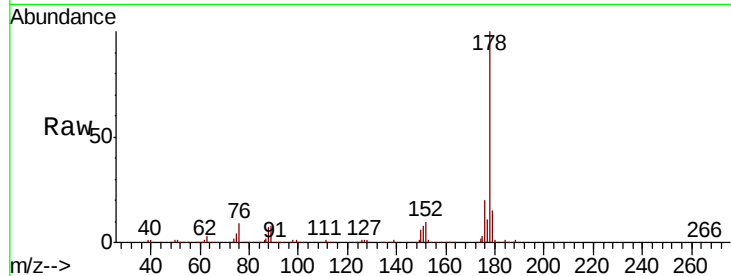
Tgt Ion:178 Resp: 581146

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

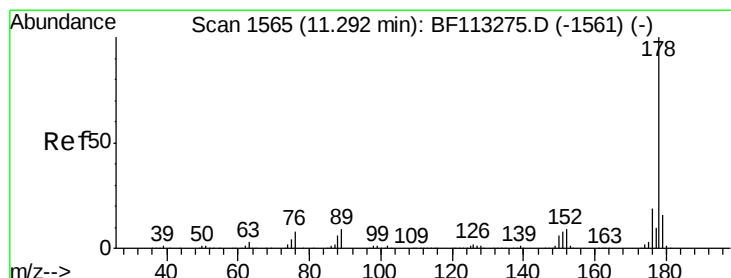
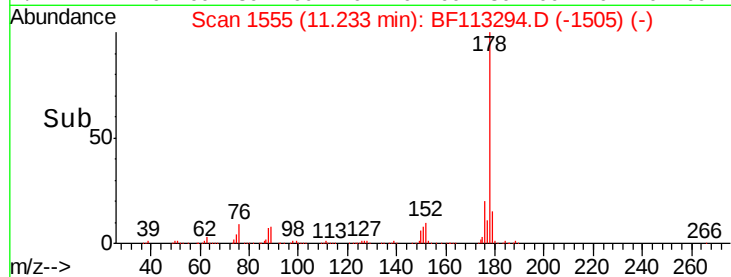
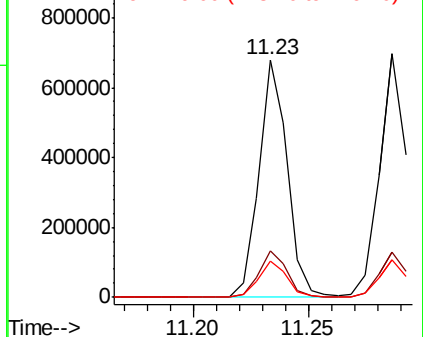
179 15.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 19.129 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

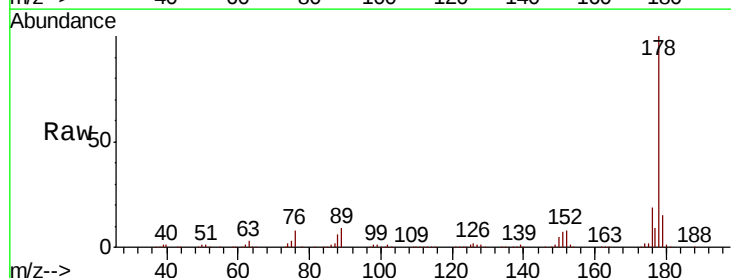
Tgt Ion:178 Resp: 590457

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

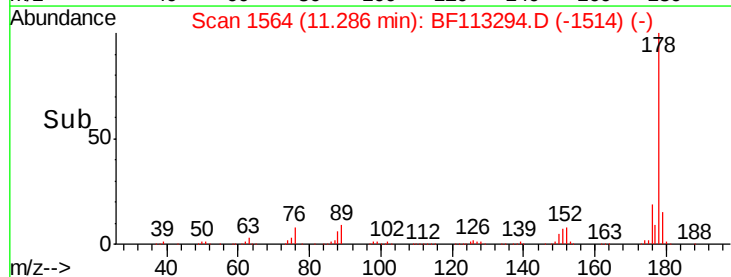
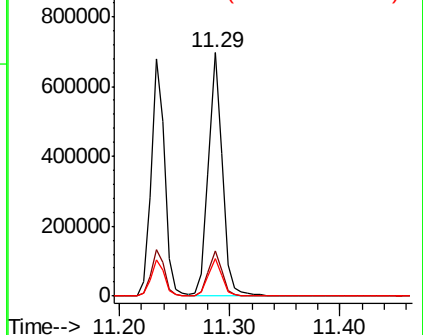
179 15.5 12.8 19.2

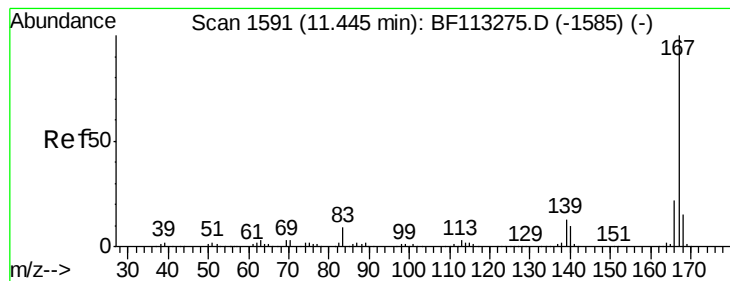


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 19.281 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

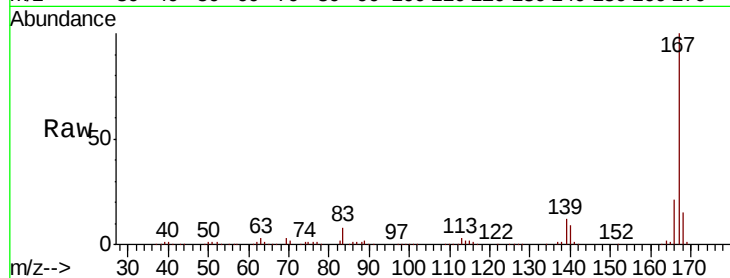
Tgt Ion:167 Resp: 567878

Ion Ratio Lower Upper

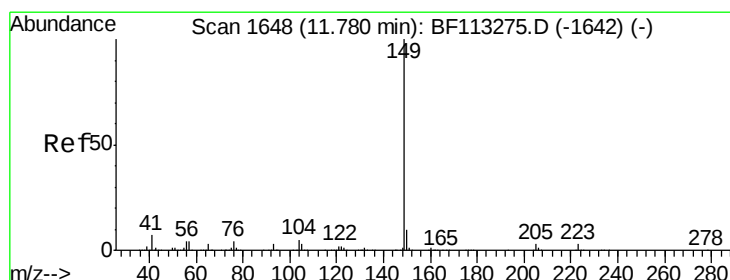
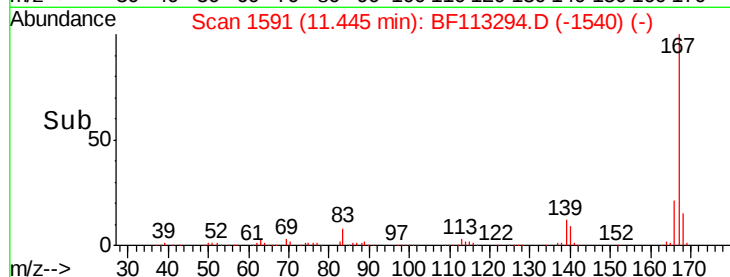
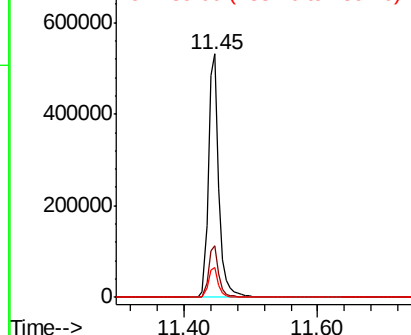
167 100

166 21.0 17.4 26.0

139 12.3 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 18.436 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

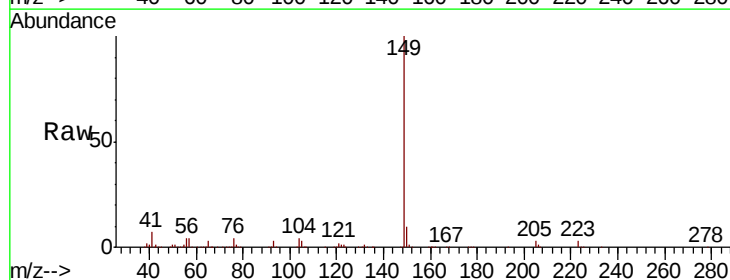
Tgt Ion:149 Resp: 629689

Ion Ratio Lower Upper

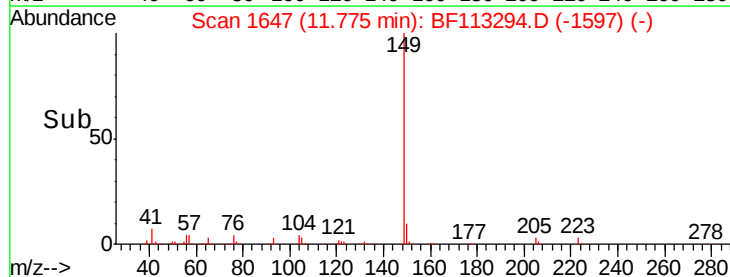
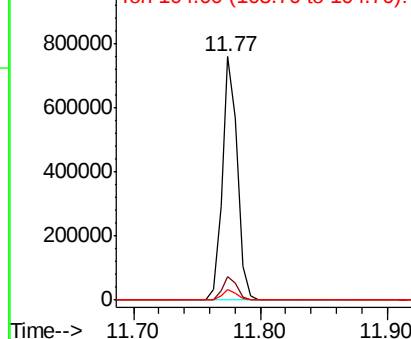
149 100

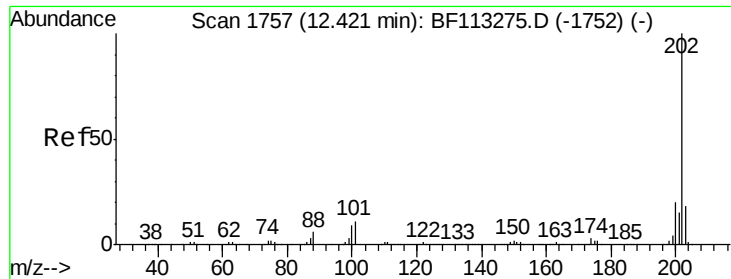
150 9.7 7.7 11.5

104 4.2 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 19.089 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

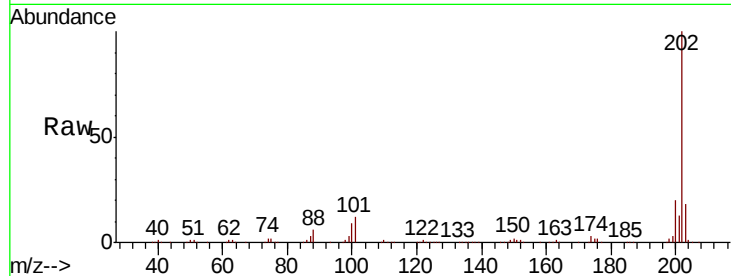
Tgt Ion: 202 Resp: 655766

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.4

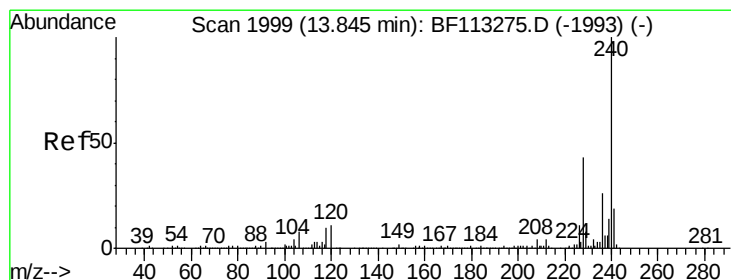
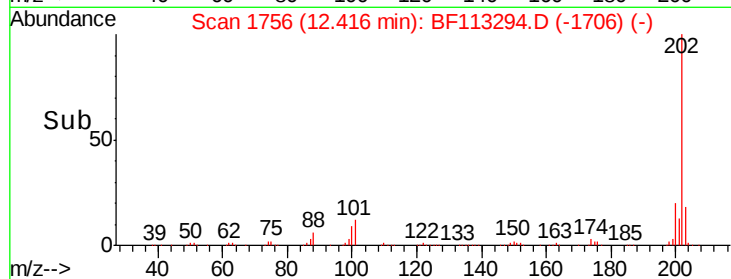
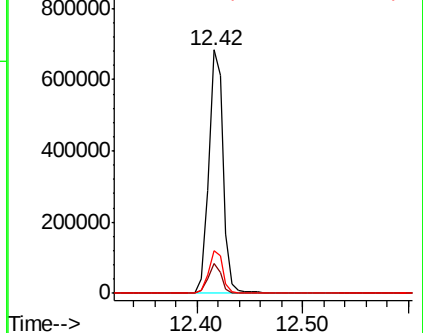
203 17.6 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

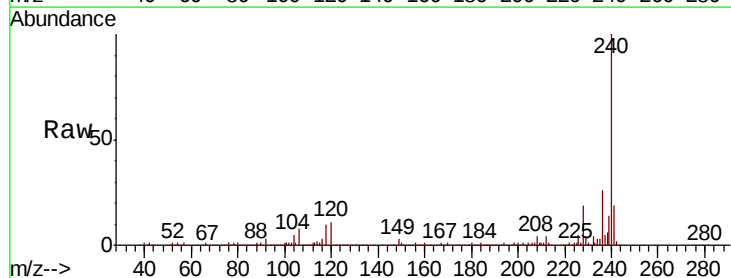
Tgt Ion: 240 Resp: 551719

Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

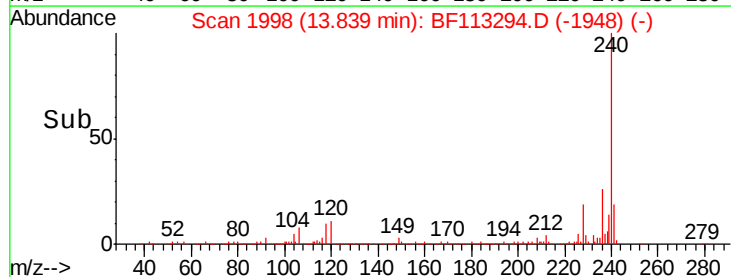
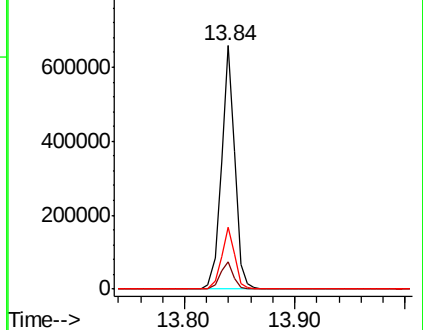
236 25.7 20.9 31.3

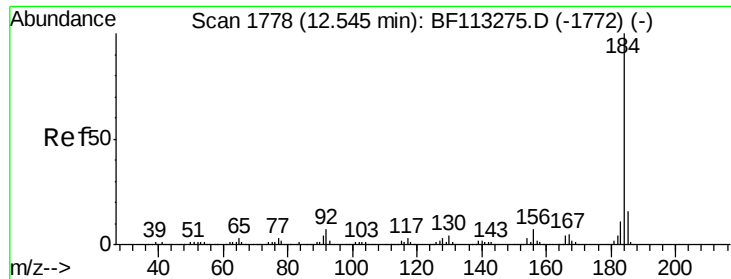


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.429 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

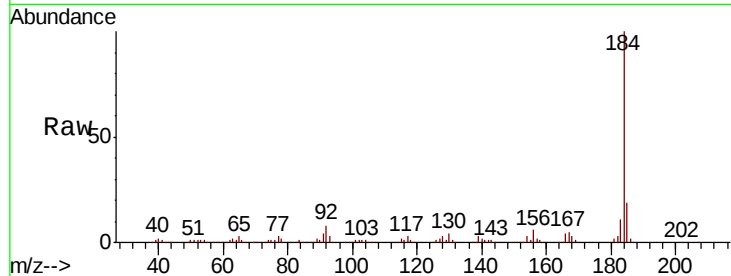
Tgt Ion:184 Resp: 347105

Ion Ratio Lower Upper

184 100

185 18.6 13.0 19.6

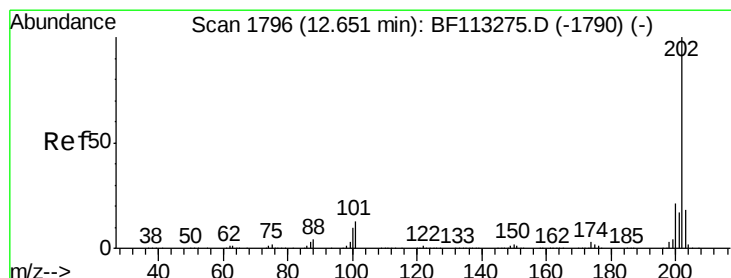
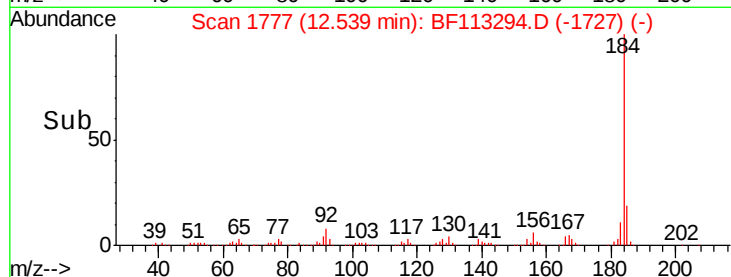
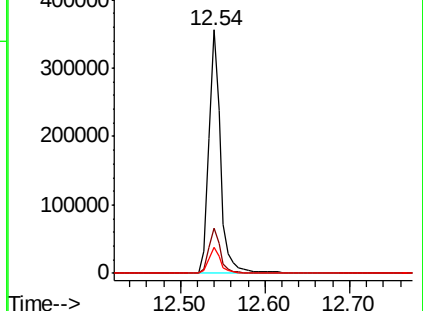
183 10.9 9.0 13.4



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: 17.462 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

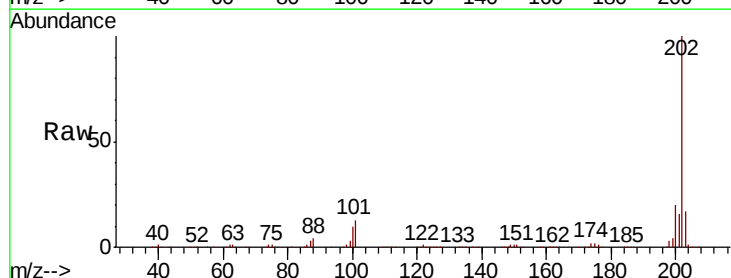
Tgt Ion:202 Resp: 667618

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

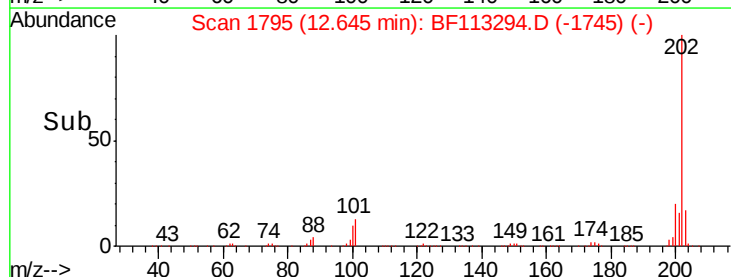
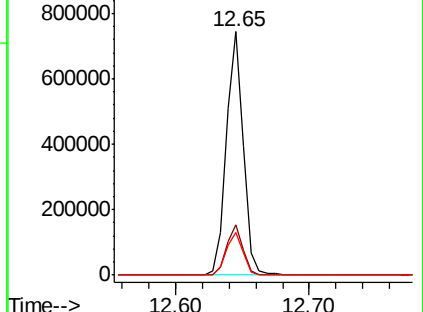
203 17.5 14.4 21.6



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

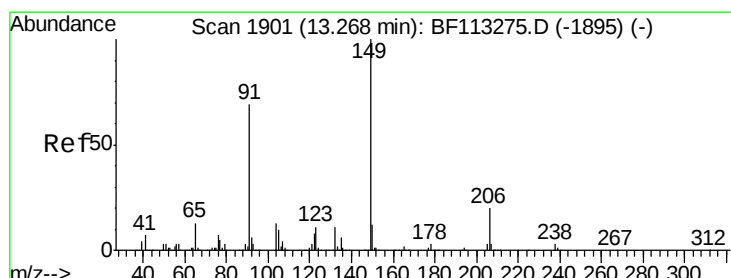
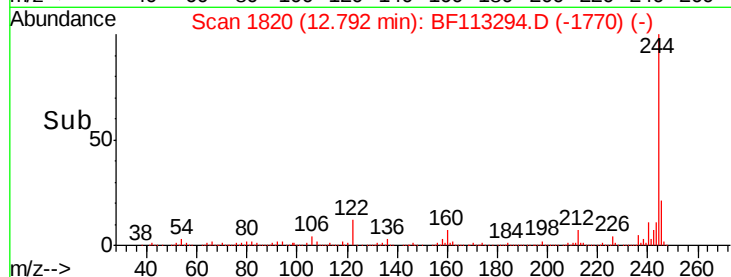
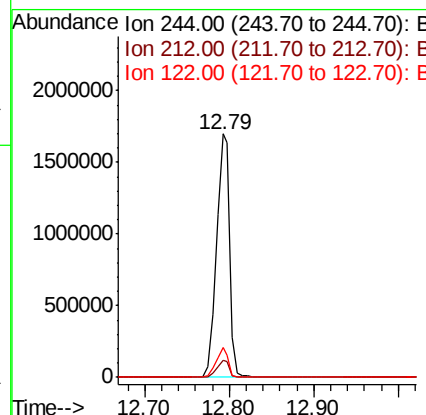
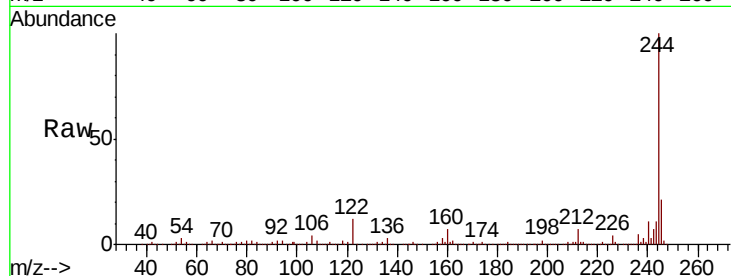




#79
 Terphenyl-d14
 Concen: 75.355 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

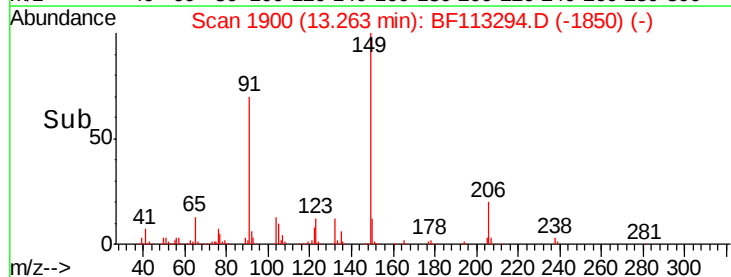
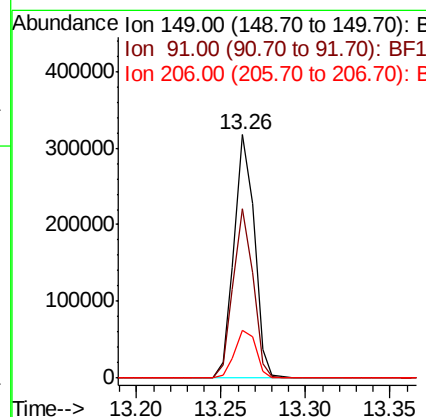
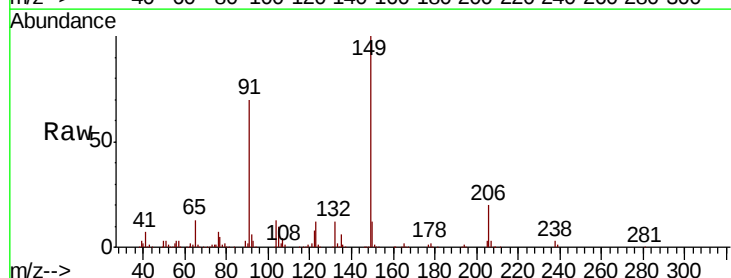
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

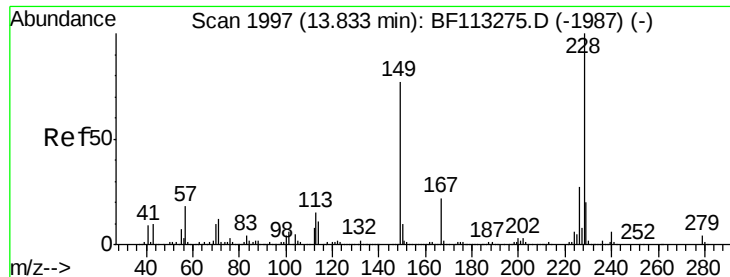
Tgt Ion:244 Resp: 1886201
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.0 8.6 13.0



#80
 Butylbenzylphthalate
 Concen: 15.855 ng
 RT: 13.26 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:149 Resp: 267154
 Ion Ratio Lower Upper
 149 100
 91 69.7 55.2 82.8
 206 19.6 16.1 24.1





#81

Benzo(a)anthracene

Concen: 17.897 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

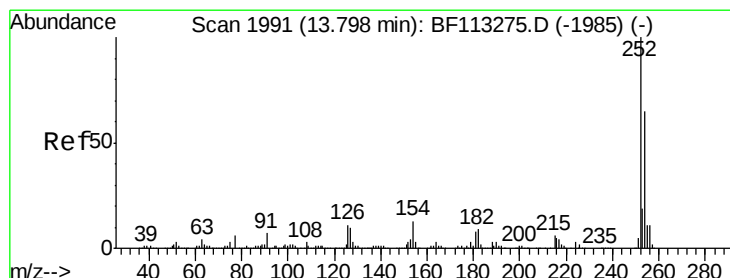
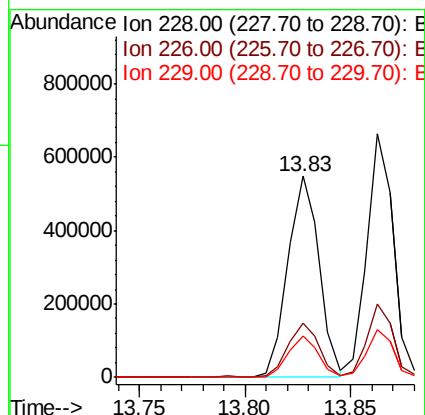
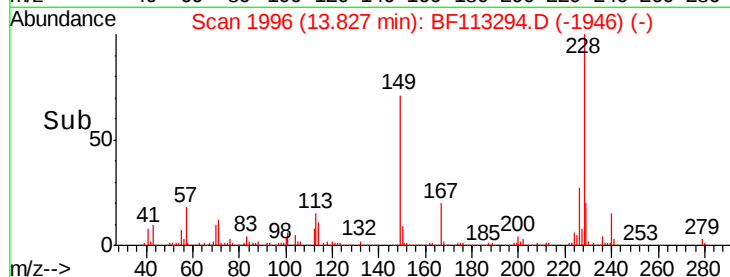
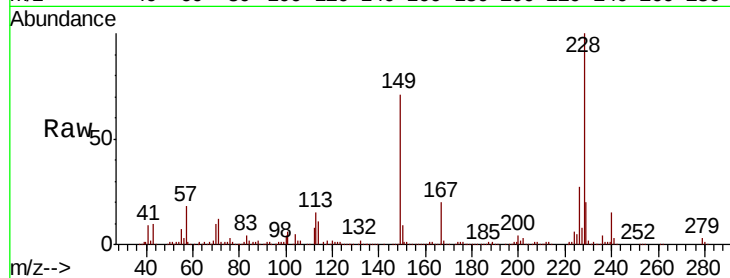
Tgt Ion:228 Resp: 565224

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.8

229 20.3 16.2 24.4



#82

3,3'-Dichlorobenzidine

Concen: 17.903 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

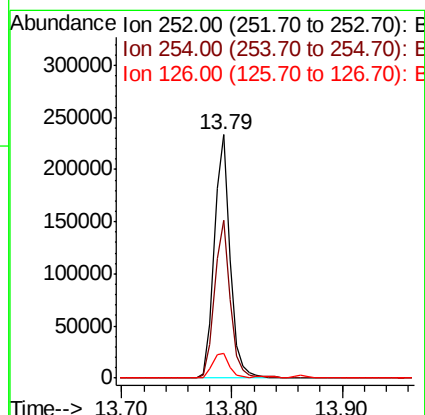
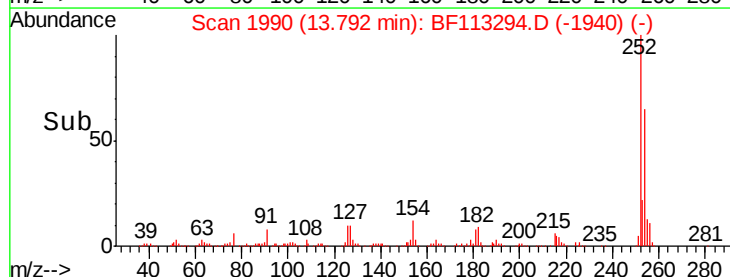
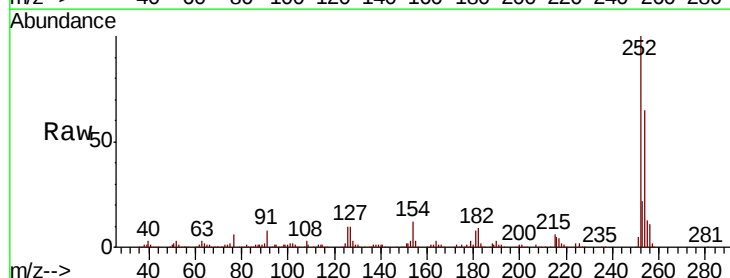
Tgt Ion:252 Resp: 226823

Ion Ratio Lower Upper

252 100

254 65.1 52.2 78.2

126 10.2 8.5 12.7





#83

Chrysene

Concen: 18.224 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

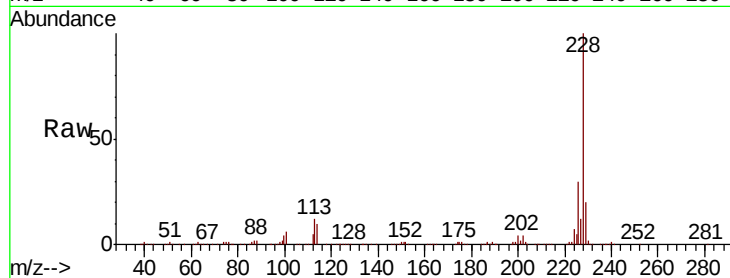
Tgt Ion:228 Resp: 584583

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

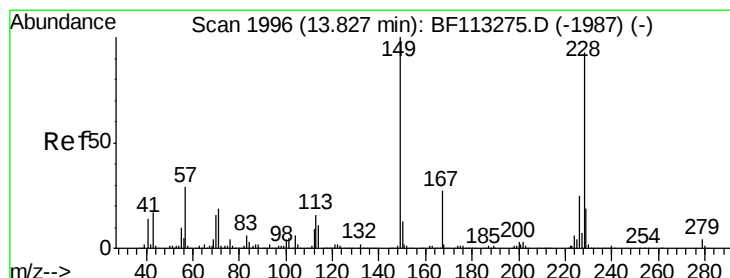
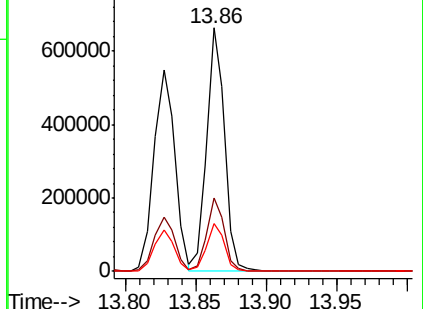
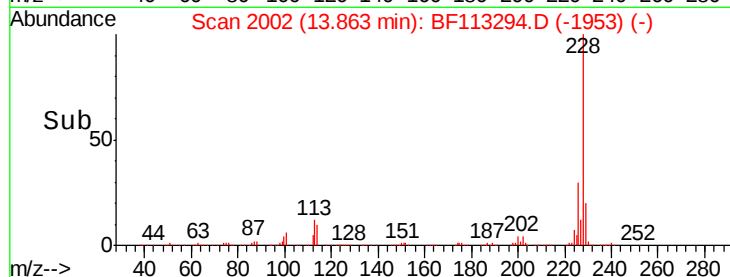
229 19.7 16.3 24.5



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: 16.378 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

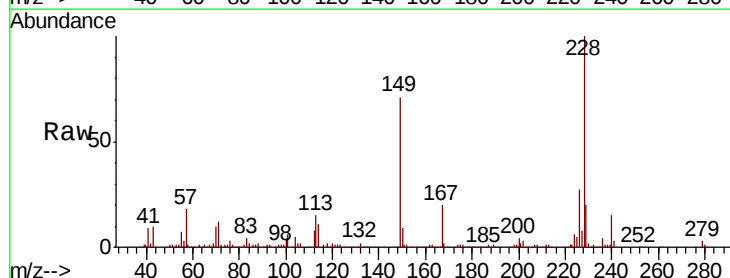
Tgt Ion:149 Resp: 338292

Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.8

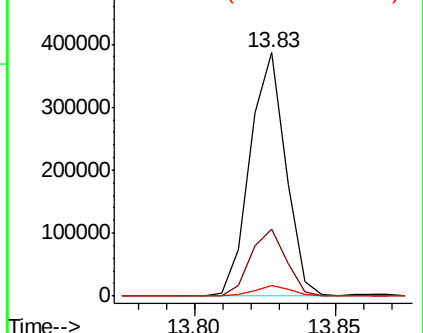
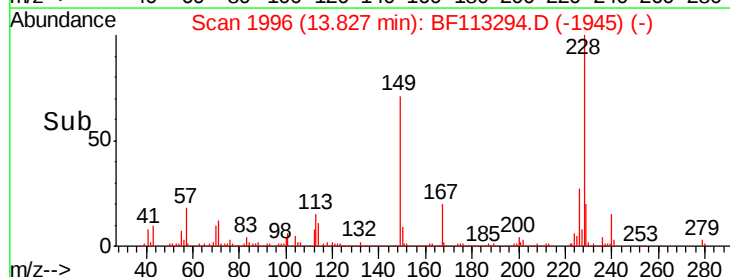
279 4.2 2.9 4.3

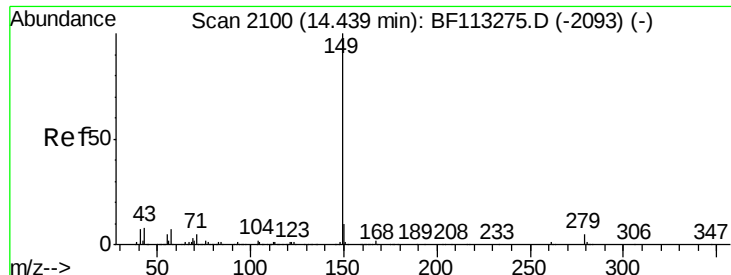


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 17.724 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

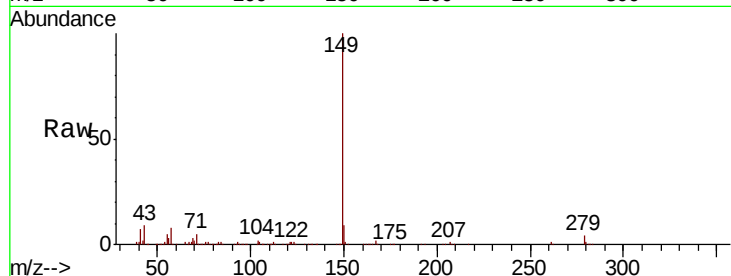
Tgt Ion:149 Resp: 621425

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

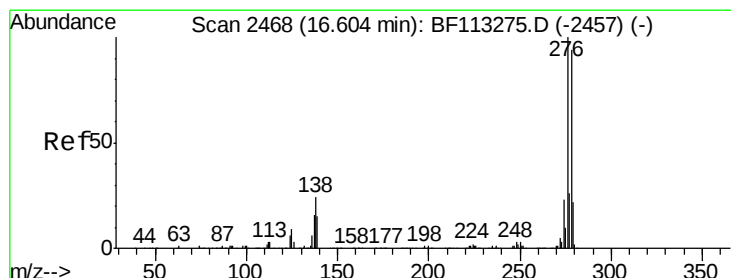
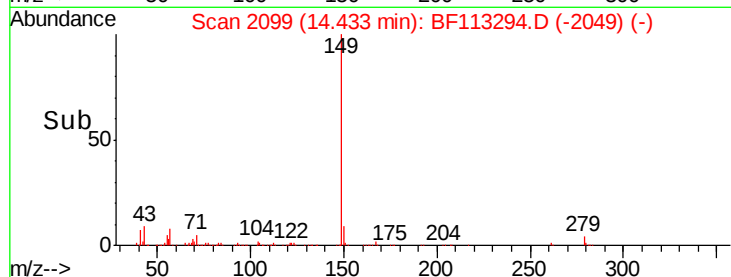
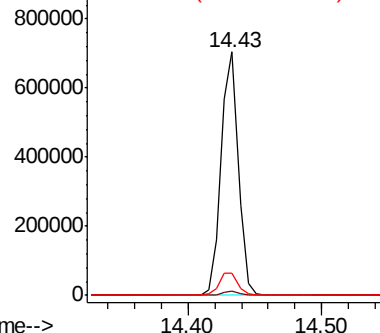
43 9.6 7.7 11.5



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: 20.779 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

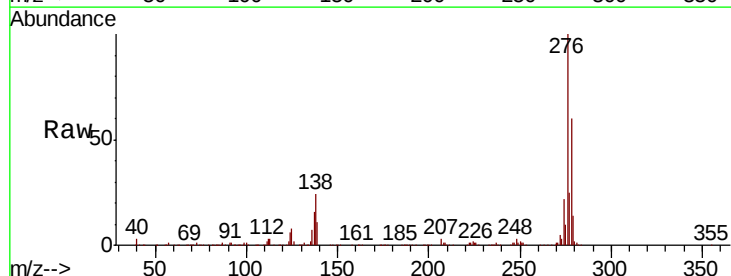
Tgt Ion:276 Resp: 572046

Ion Ratio Lower Upper

276 100

138 24.2 18.1 27.1

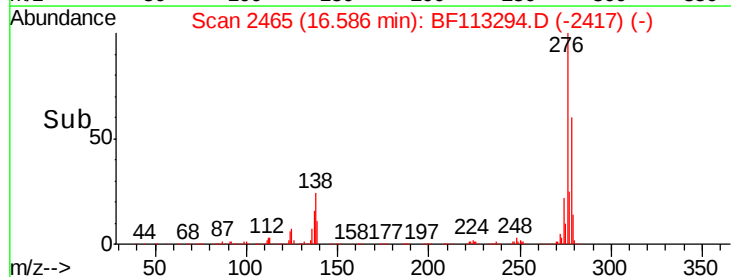
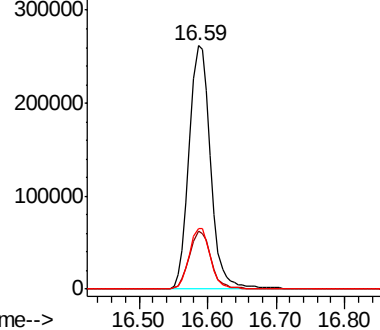
277 24.8 20.2 30.4

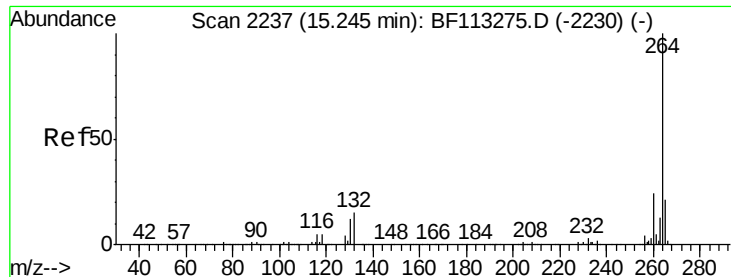


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

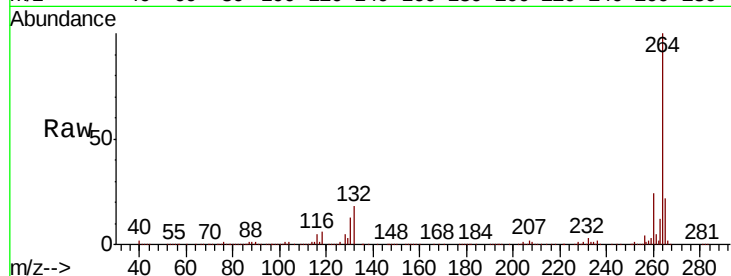




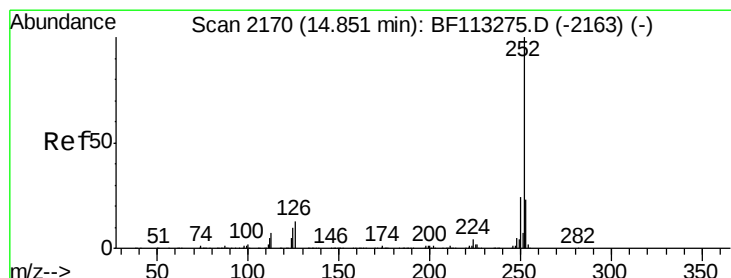
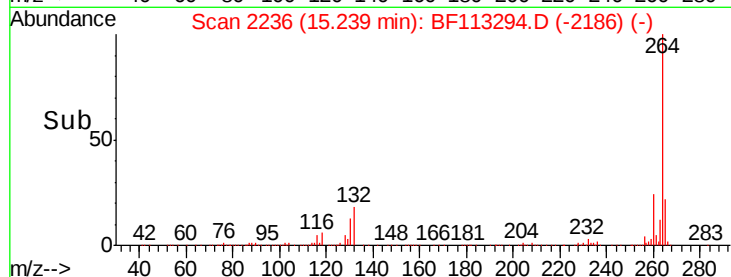
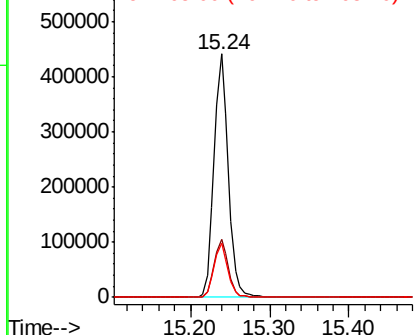
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:264 Resp: 552966
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 22.4 17.1 25.7

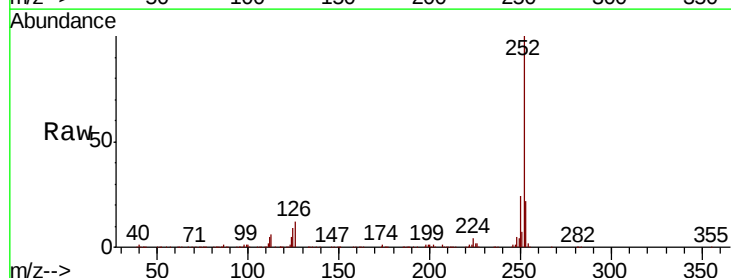


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

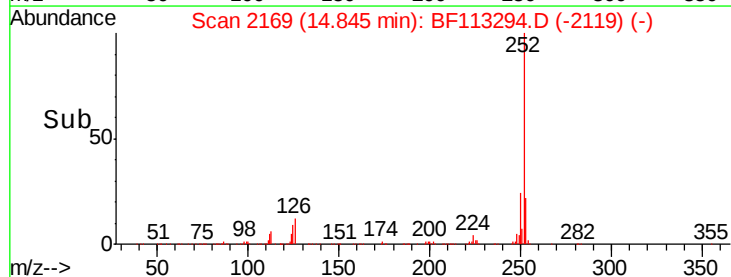
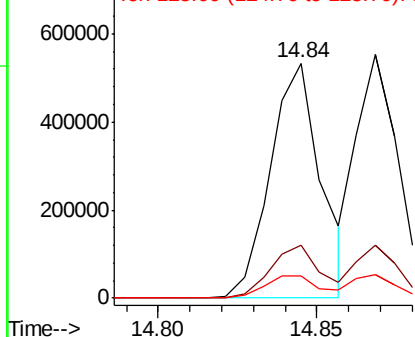


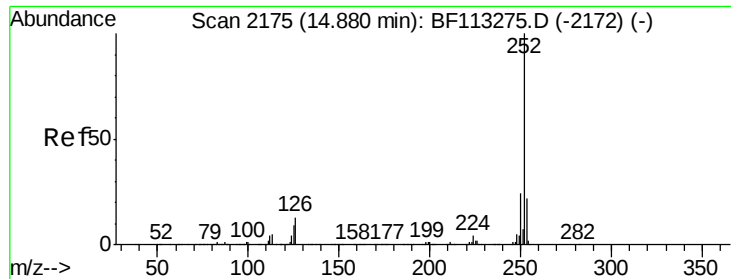
#88
Benzo(b)fluoranthene
Concen: 17.227 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:252 Resp: 591753
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 9.4 7.6 11.4



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

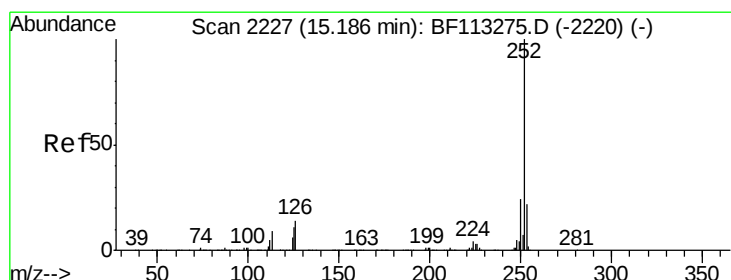
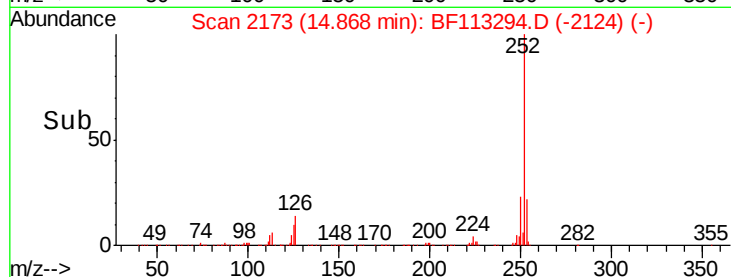
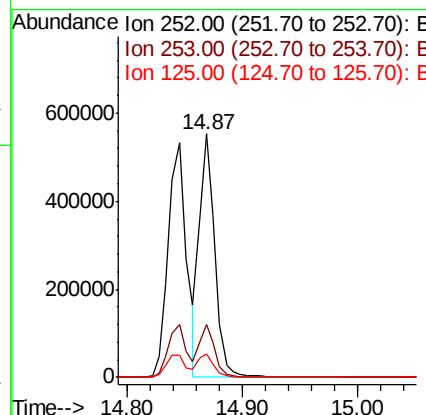
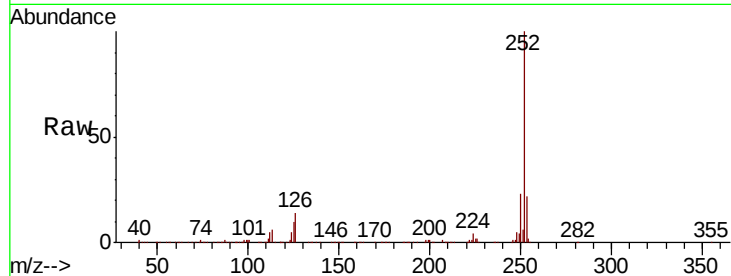




#89
Benzo(k)fluoranthene
Concen: 17.252 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

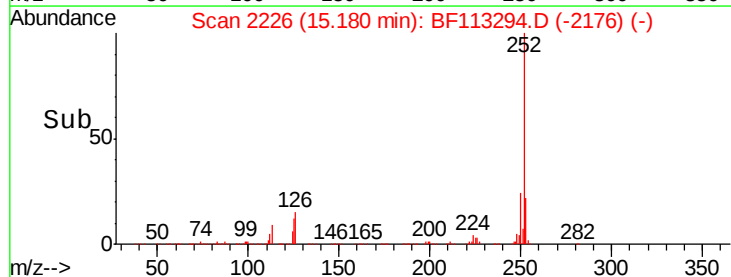
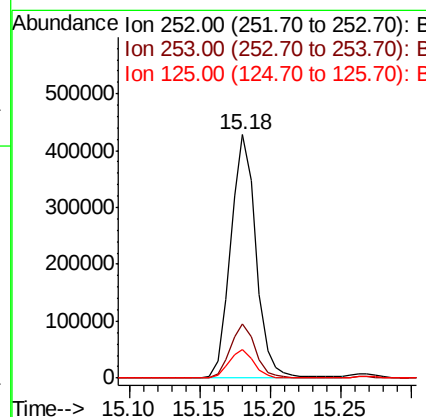
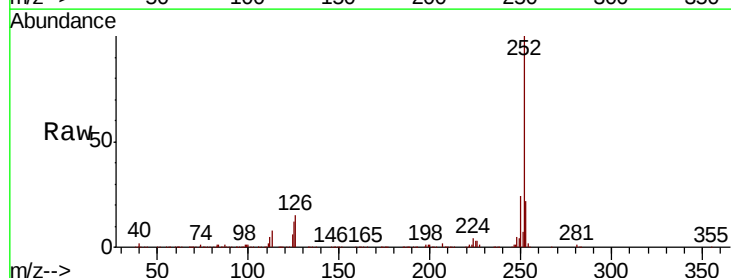
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

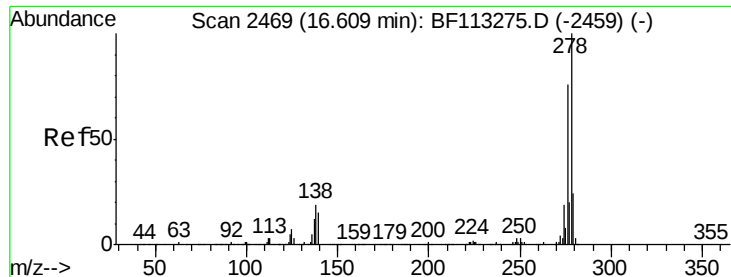
Tgt Ion:252 Resp: 520409
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.6 7.3 10.9



#90
Benzo(a)pyrene
Concen: 17.534 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:252 Resp: 533966
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 11.6 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 18.098 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

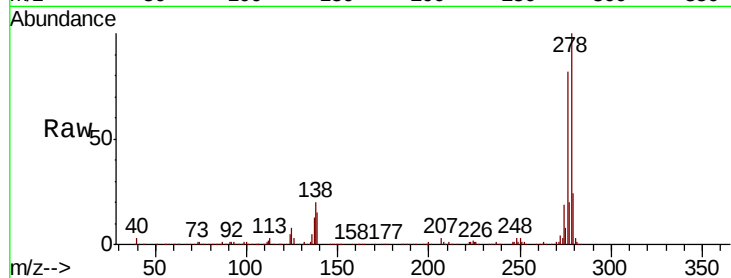
Tgt Ion:278 Resp: 476530

Ion Ratio Lower Upper

278 100

139 15.5 12.0 18.0

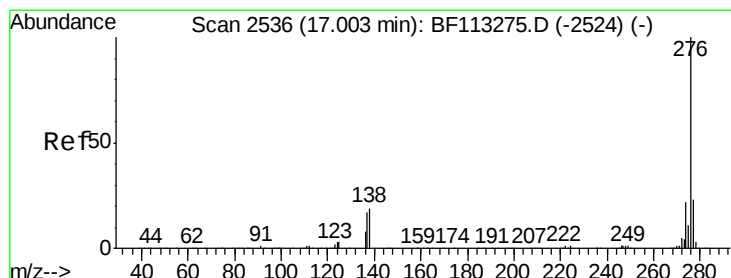
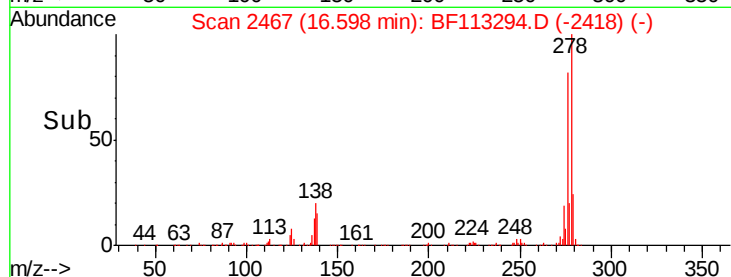
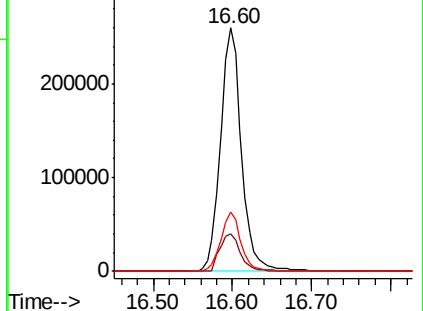
279 24.4 19.0 28.6



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: 17.084 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

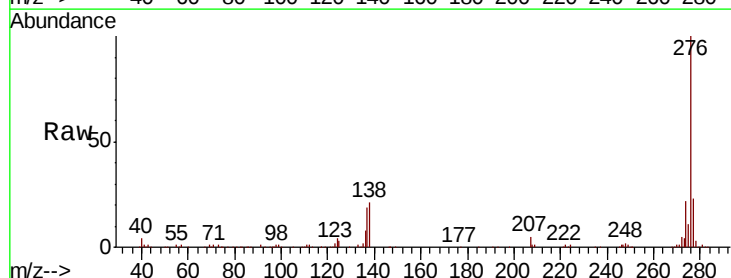
Tgt Ion:276 Resp: 453570

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 21.4 15.6 23.4



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

