

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113293.D
 Acq On : 26 Mar 2019 16:01
 Operator : JU/SJ
 Sample : K1560-01
 Misc : 8PPM LOD
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 27 09:01:24 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	163199	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	586214	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	281604	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	593684	20.00	ng	0.00
76) Chrysene-d12	13.84	240	575071	20.00	ng	0.00
87) Perylene-d12	15.24	264	572681	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1173337	117.56	ng	0.00
7) Phenol-d6	6.35	99	1497255	118.58	ng	0.00
23) Nitrobenzene-d5	7.27	82	912842	92.43	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	450804	129.60	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1645425	93.30	ng	0.00
79) Terphenyl-d14	12.80	244	1948662	74.69	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	39252	7.751	ng	96
3) Pyridine	3.16	79	86578	6.935	ng	94
4) n-Nitrosodimethylamine	3.01	42	39953	7.199	ng	# 97
8) 2-Chlorophenol	6.49	128	95410	8.232	ng	95
10) Phenol	6.36	94	118337	8.209	ng	96
11) bis(2-Chloroethyl)ether	6.44	93	89505	8.100	ng	98
12) 1,3-Dichlorobenzene	6.65	146	102603	8.212	ng	97
13) 1,4-Dichlorobenzene	6.72	146	102909	8.531	ng	98
14) 1,2-Dichlorobenzene	6.87	146	98390	8.291	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	141067	8.498	ng	100
17) 2-Methylphenol	6.97	107	72336	7.964	ng	96
18) Hexachloroethane	7.22	117	36055	8.322	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	62363	7.863	ng	97
22) Acetophenone	7.11	105	121178	9.064	ng	# 95
24) Nitrobenzene	7.28	77	97702	9.480	ng	92
25) Isophorone	7.52	82	171613	8.966	ng	98
26) 2-Nitrophenol	7.60	139	48754	8.949	ng	91
27) 2,4-Dimethylphenol	7.65	122	72133	9.205	ng	96
28) bis(2-Chloroethoxy)methane	7.73	93	109362	9.073	ng	99
29) 2,4-Dichlorophenol	7.85	162	73412	8.645	ng	98
30) 1,2,4-Trichlorobenzene	7.93	180	82630	9.019	ng	99
31) Naphthalene	8.00	128	267184	9.327	ng	99
34) Hexachlorobutadiene	8.13	225	49664	9.120	ng	99
35) Caprolactam	8.40	113	23619	8.666	ng	93
36) 4-Chloro-3-methylphenol	8.55	107	79928	9.358	ng	97
37) 2-Methylnaphthalene	8.70	142	184120	10.301	ng	98
38) 1-Methylnaphthalene	8.79	142	167904	9.766	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	81732	9.042	ng	99
41) Hexachlorocyclopentadiene	8.85	237	15768	4.121	ng	96
43) 2,4,6-Trichlorophenol	8.98	196	50024	8.498	ng	99
44) 2,4,5-Trichlorophenol	9.03	196	56209	8.628	ng	97
46) 1,1'-Biphenyl	9.16	154	227023	9.653	ng	99
47) 2-Chloronaphthalene	9.18	162	168320	9.295	ng	100
48) 2-Nitroaniline	9.28	65	50273	8.846	ng	98

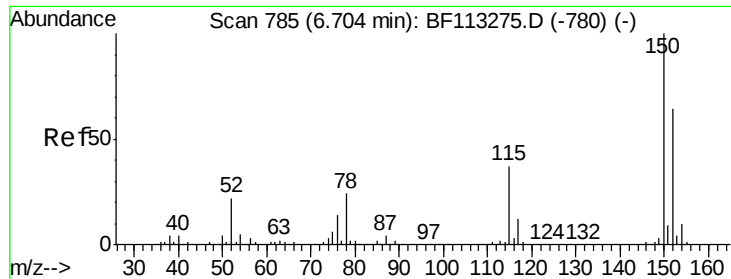
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Acenaphthylene	9.59	152	277621	9.482	ng	98
50) Dimethylphthalate	9.46	163	182500	8.745	ng	98
52) Acenaphthene	9.76	154	154745	9.385	ng	99
53) 3-Nitroaniline	9.69	138	44555	8.392	ng	91
55) Dibenzofuran	9.94	168	240494	9.702	ng	96
57) 2,4-Dinitrotoluene	9.92	165	53480	8.932	ng	98
58) Fluorene	10.28	166	187488	9.736	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.06	232	46589	8.457	ng	97
60) Diethylphthalate	10.16	149	178423	8.715	ng	98
61) 4-Chlorophenyl-phenylether	10.27	204	89275	9.512	ng	89
62) 4-Nitroaniline	10.29	138	47469	8.684	ng	96
63) Azobenzene	10.43	77	173699	9.013	ng	99
66) n-Nitrosodiphenylamine	10.39	169	160115	8.789	ng	99
67) 4-Bromophenyl-phenylether	10.76	248	55232	8.536	ng	97
68) Hexachlorobenzene	10.83	284	66191	8.813	ng	# 93
69) Atrazine	10.92	200	49344	8.581	ng	99
71) Phenanthrene	11.23	178	283374	9.612	ng	98
72) Anthracene	11.29	178	296397	9.898	ng	98
73) Carbazole	11.44	167	288398	10.093	ng	98
74) Di-n-butylphthalate	11.77	149	327292	9.877	ng	98
75) Fluoranthene	12.42	202	344100	10.324	ng	99
77) Benzidine	12.54	184	178939	8.125	ng	98
78) Pyrene	12.64	202	352265	8.840	ng	98
80) Butylbenzylphthalate	13.26	149	136359	7.764	ng	98
81) Benzo(a)anthracene	13.83	228	301004	9.144	ng	98
82) 3,3'-Dichlorobenzidine	13.79	252	116959	8.857	ng	99
83) Chrysene	13.86	228	309041	9.243	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	181930	8.450	ng	100
85) Di-n-octyl phthalate	14.43	149	319386	8.739	ng	100
86) Indeno(1,2,3-cd)pyrene	16.59	276	306530	10.682	ng	97
88) Benzo(b)fluoranthene	14.84	252	311456	8.755	ng	98
89) Benzo(k)fluoranthene	14.87	252	272089	8.709	ng	99
90) Benzo(a)pyrene	15.18	252	278456	8.829	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	252657	9.265	ng	98
92) Benzo(g,h,i)perylene	16.99	276	243260	8.847	ng	98

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

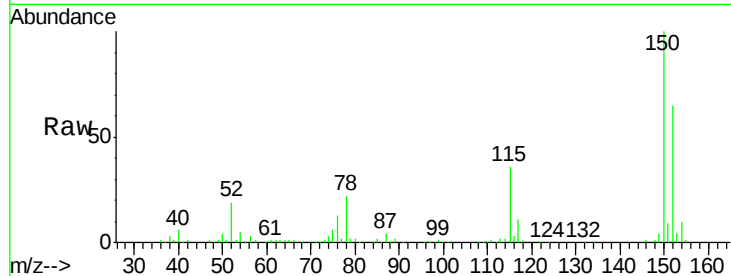


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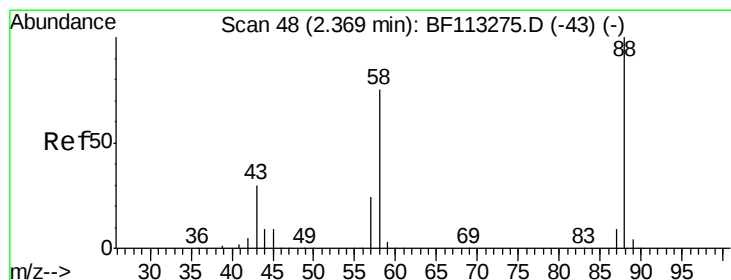
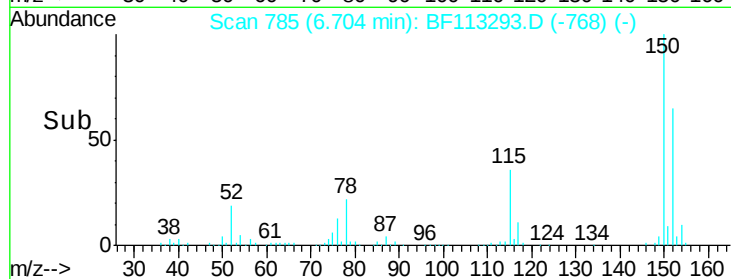
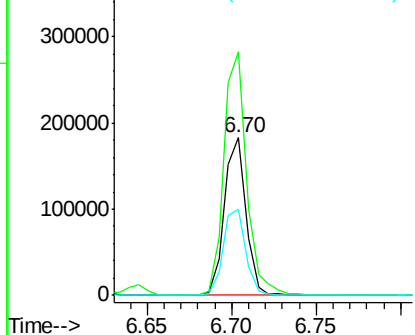
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

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

Tgt Ion:152 Resp: 163199
Ion Ratio Lower Upper
152 100
150 154.8 124.7 187.1
115 55.0 46.0 69.0



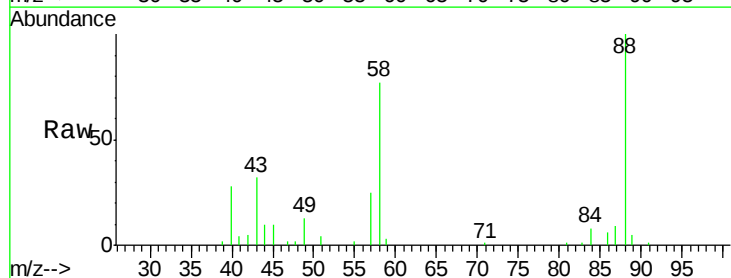
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



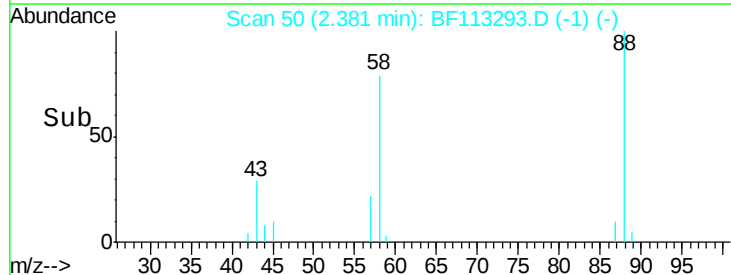
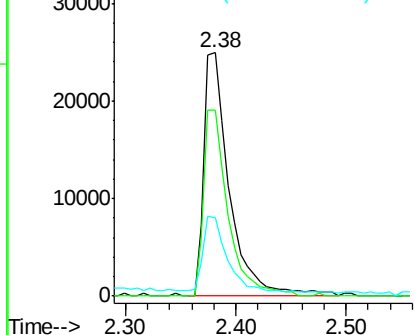
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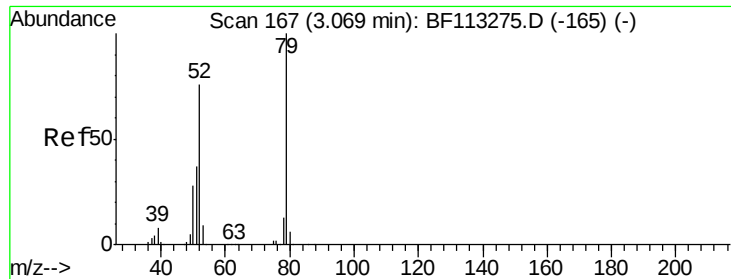
1,4-Dioxane
Concen: 7.751 ng
RT: 2.38 min Scan# 50
Delta R.T. 0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 88 Resp: 39252
Ion Ratio Lower Upper
88 100
58 72.8 61.9 92.9
43 29.1 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: 6.935 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.09 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

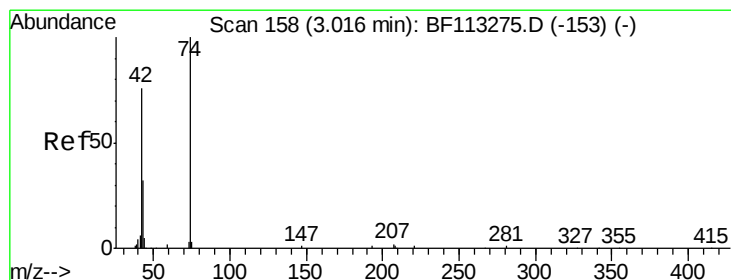
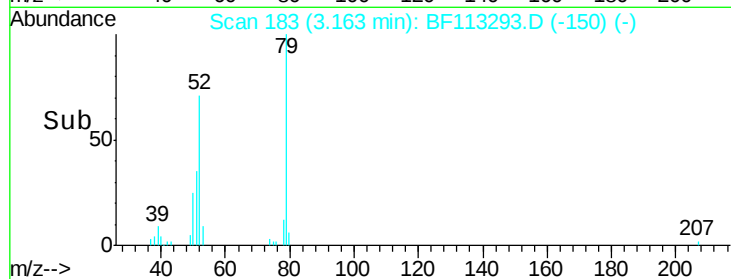
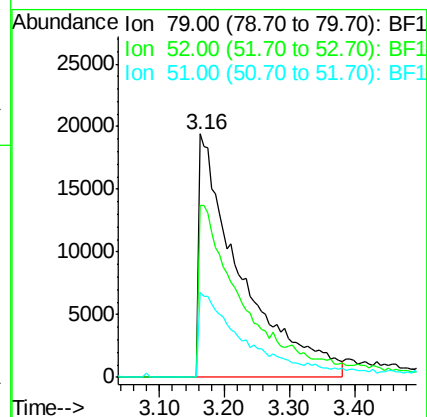
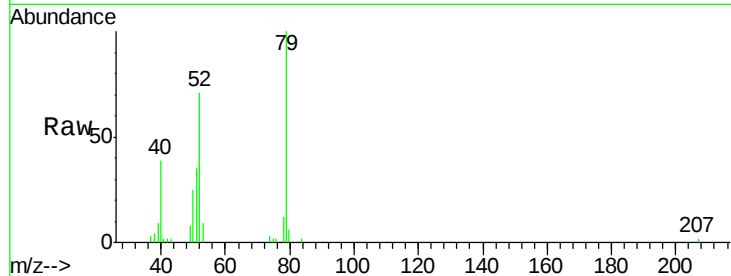
Tgt Ion: 79 Resp: 86578

Ion Ratio Lower Upper

79 100

52 70.8 61.0 91.4

51 34.6 30.6 45.8



#4

n-Nitrosodimethylamine

Concen: 7.199 ng

RT: 3.01 min Scan# 157

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

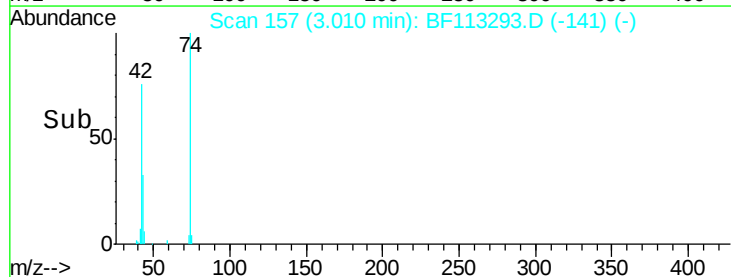
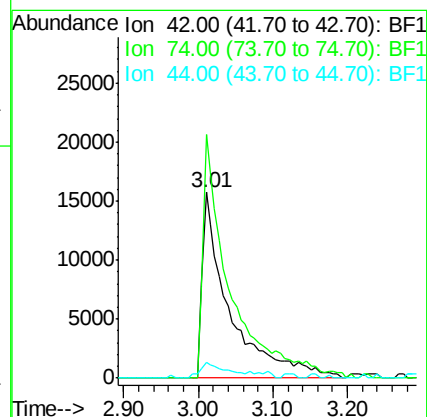
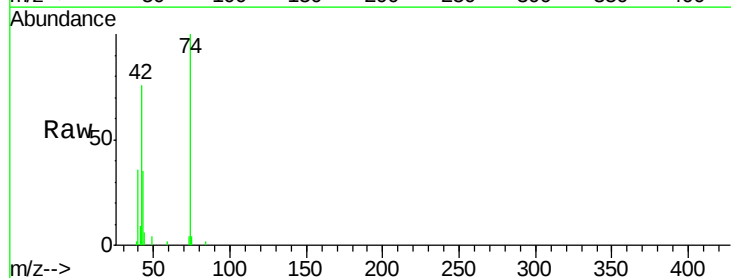
Tgt Ion: 42 Resp: 39953

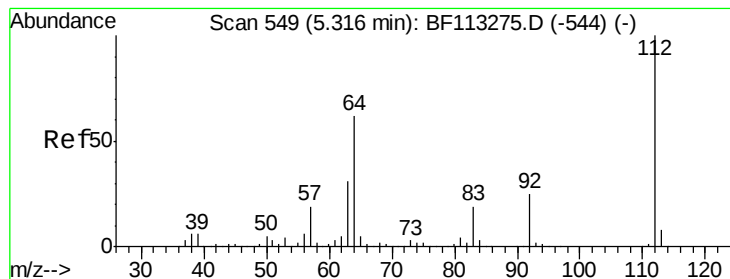
Ion Ratio Lower Upper

42 100

74 130.9 102.4 153.6

44 8.5 5.5 8.3#





#5

2-Fluorophenol

Concen: 117.559 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

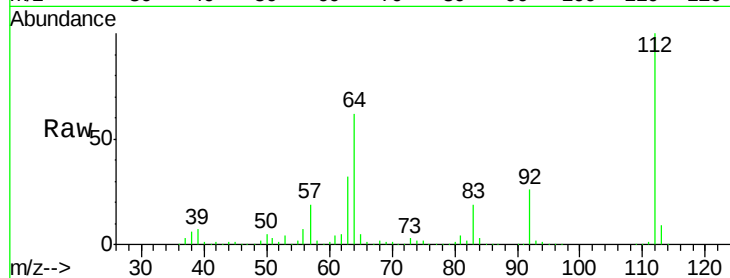
Tgt Ion:112 Resp: 1173337

Ion Ratio Lower Upper

112 100

64 62.4 49.2 73.8

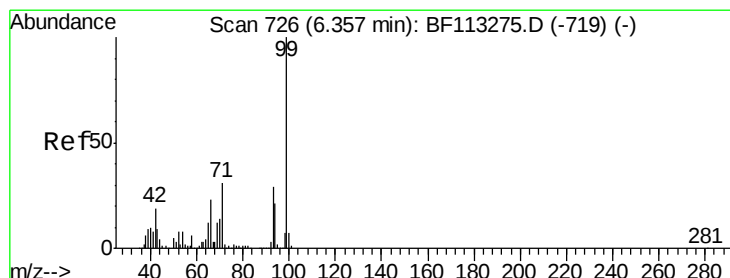
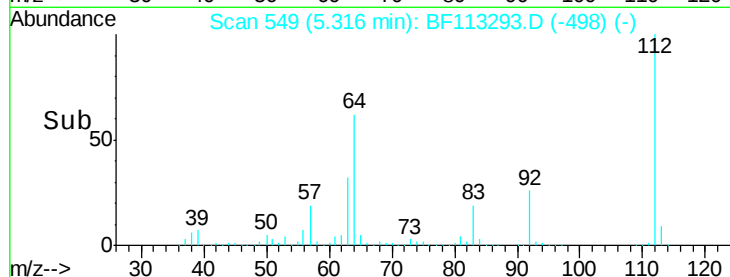
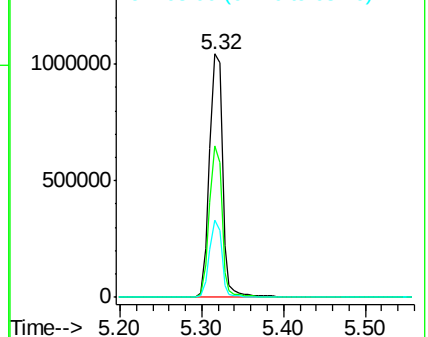
63 31.7 24.9 37.3



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



#7

Phenol-d6

Concen: 118.582 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

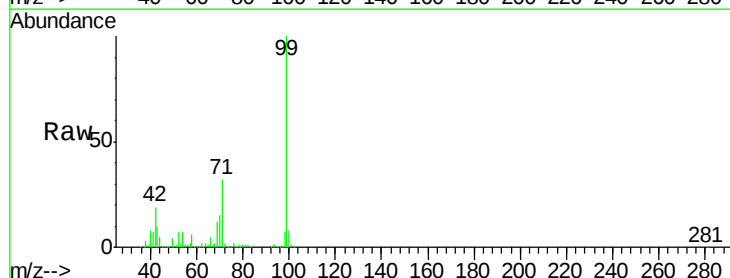
Tgt Ion: 99 Resp: 1497255

Ion Ratio Lower Upper

99 100

42 19.3 14.8 22.2

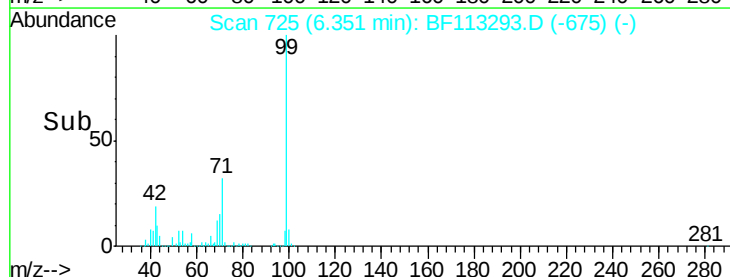
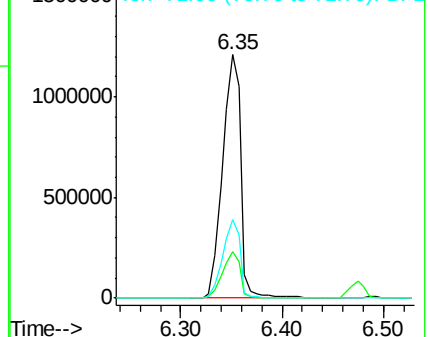
71 32.4 24.9 37.3

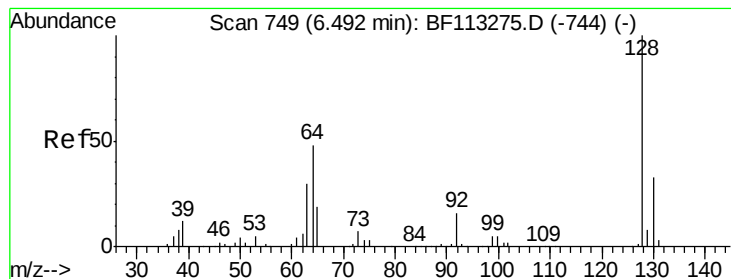


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#8

2-Chlorophenol

Concen: 8.232 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

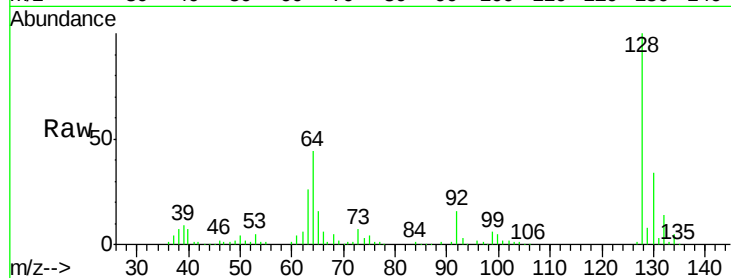
Tgt Ion:128 Resp: 95410

Ion Ratio Lower Upper

128 100

130 33.7 12.6 52.6

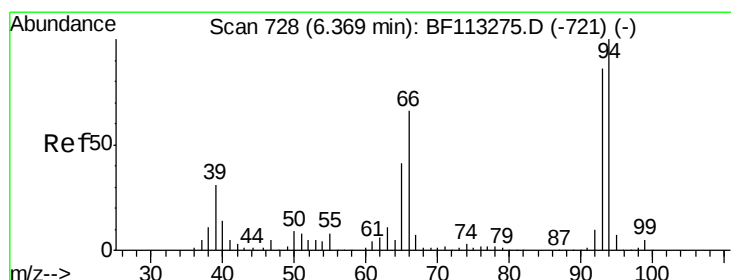
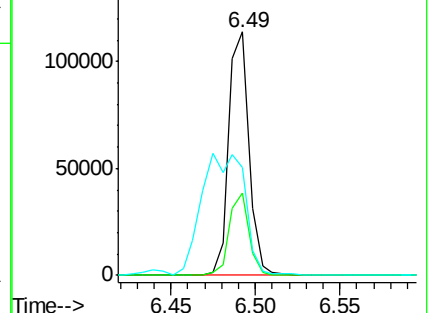
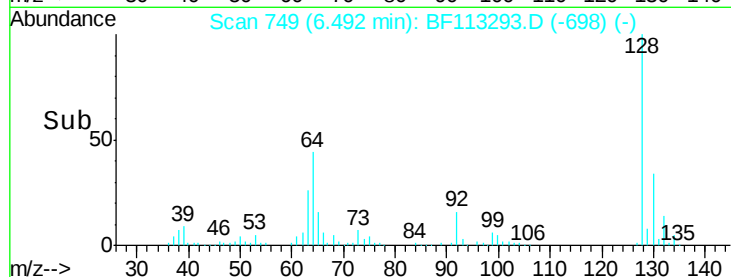
64 44.3 29.4 69.4



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



#10

Phenol

Concen: 8.209 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

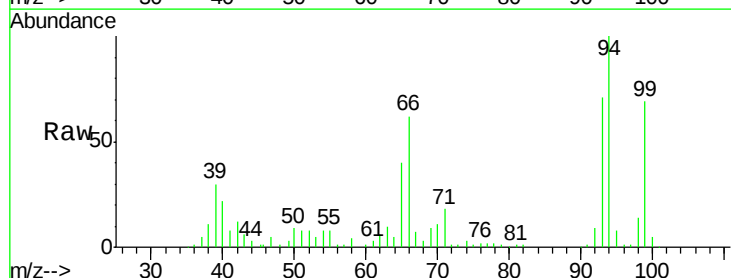
Tgt Ion: 94 Resp: 118337

Ion Ratio Lower Upper

94 100

65 39.6 21.4 61.4

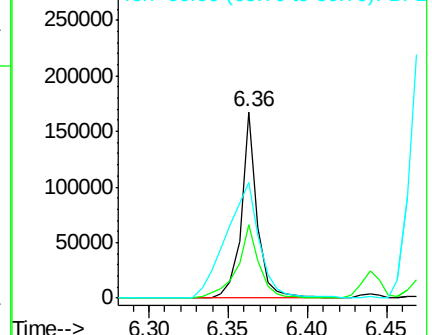
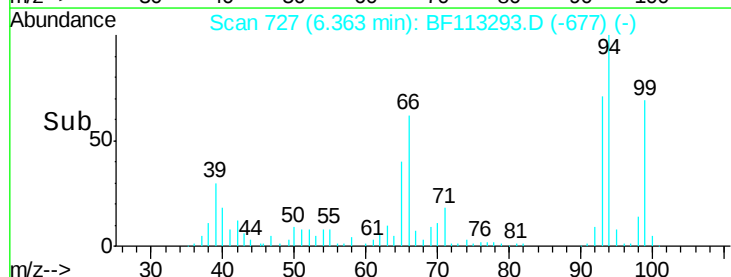
66 62.3 46.4 86.4

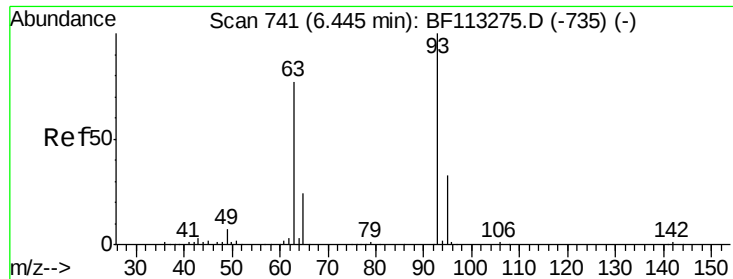


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

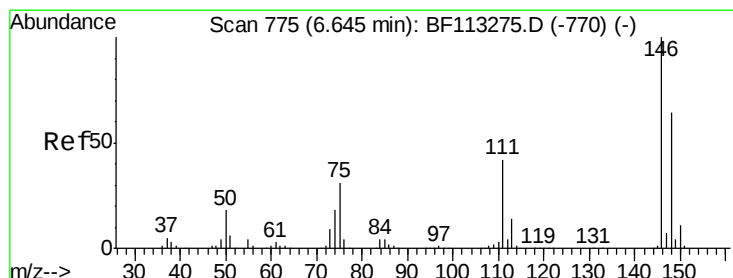
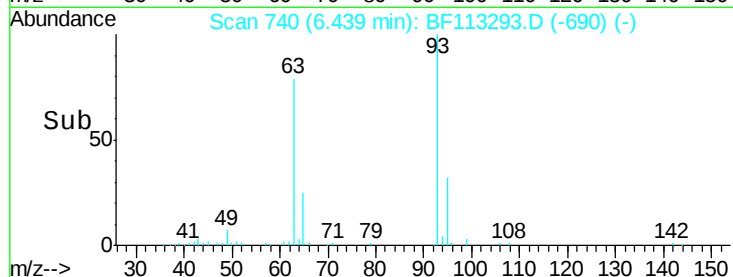
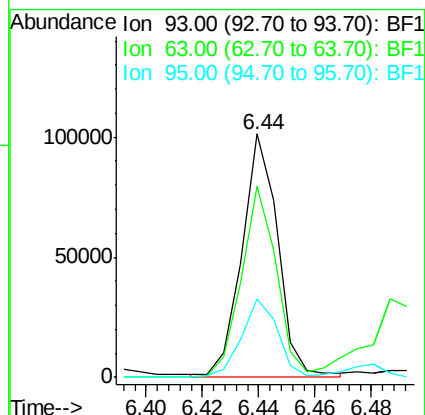
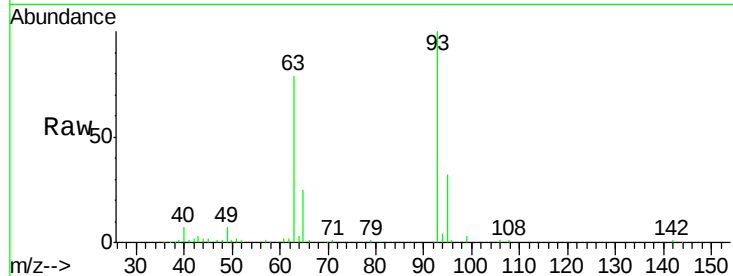




#11
bis(2-Chloroethyl)ether
Concen: 8.100 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

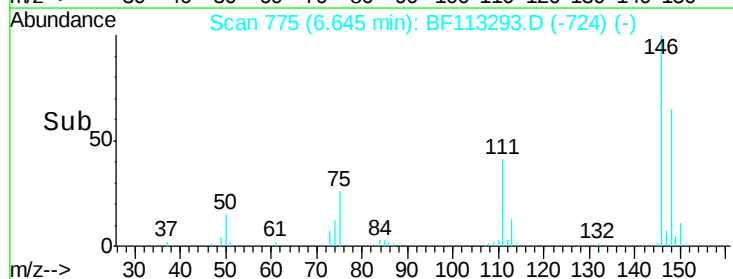
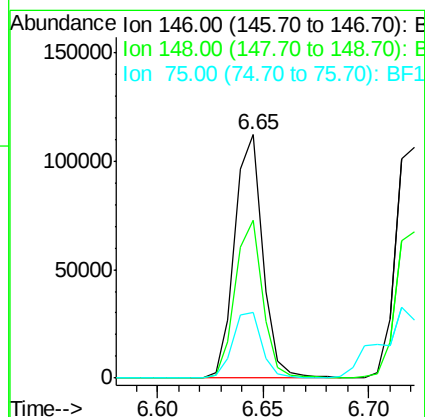
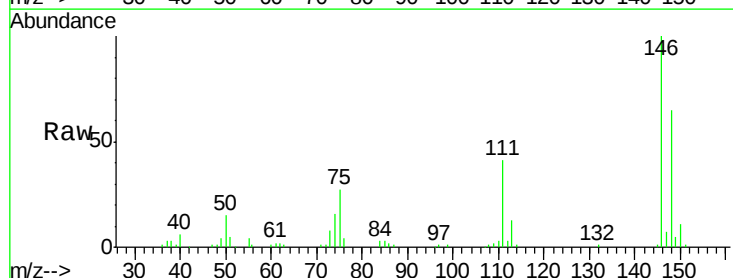
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

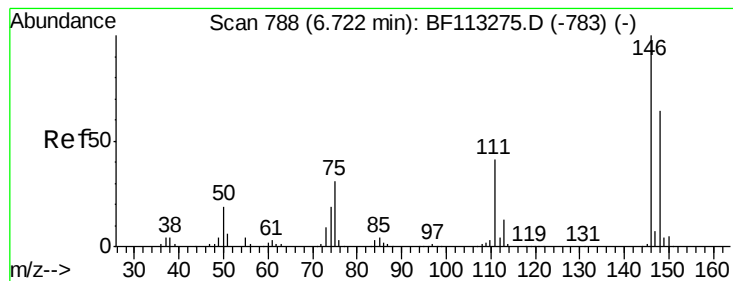
Tgt Ion: 93 Resp: 89505
Ion Ratio Lower Upper
93 100
63 78.7 56.1 96.1
95 32.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 8.212 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 146 Resp: 102603
Ion Ratio Lower Upper
146 100
148 64.9 51.4 77.0
75 27.0 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 8.531 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

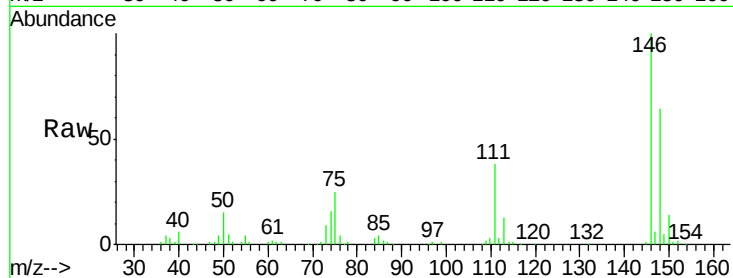
Tgt Ion:146 Resp: 102909

Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

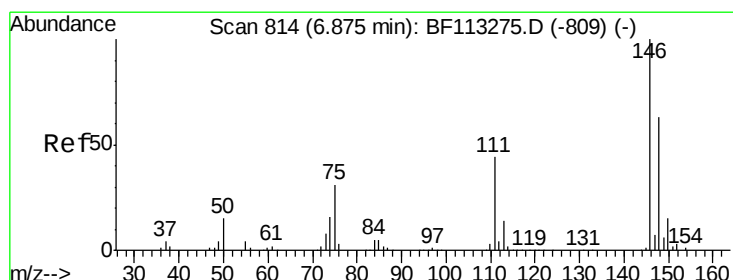
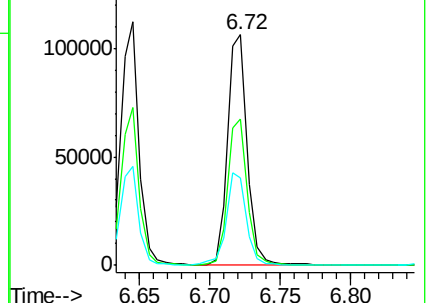
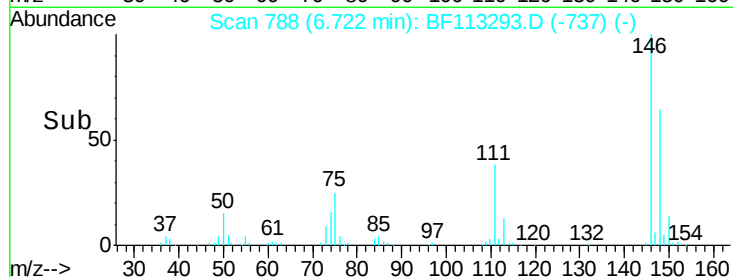
111 37.9 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.291 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

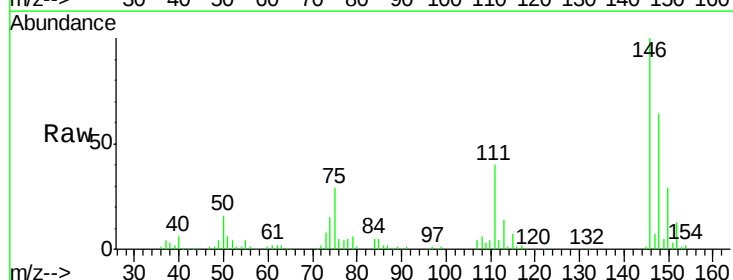
Tgt Ion:146 Resp: 98390

Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.4

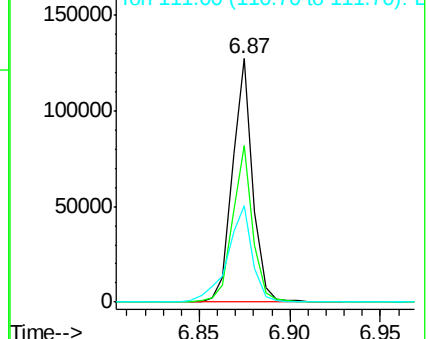
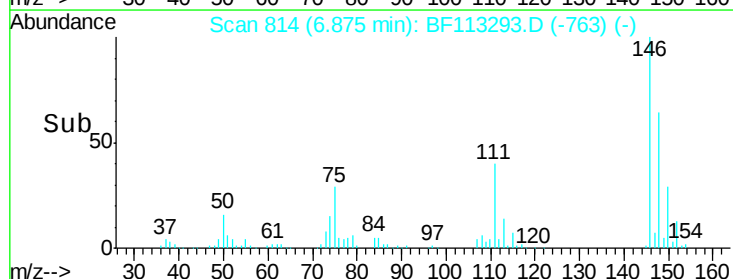
111 39.8 35.4 53.2

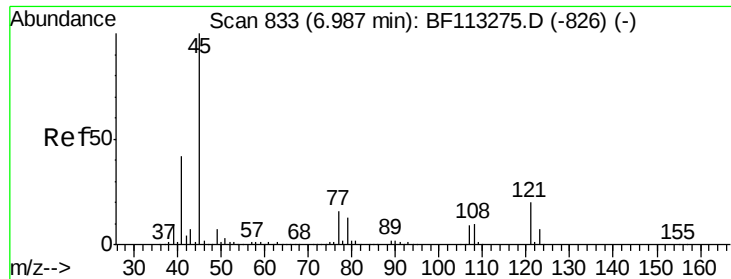


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

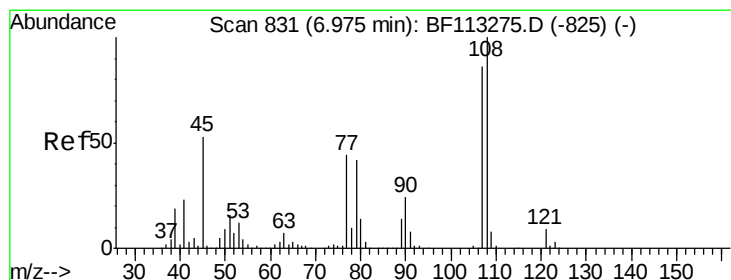
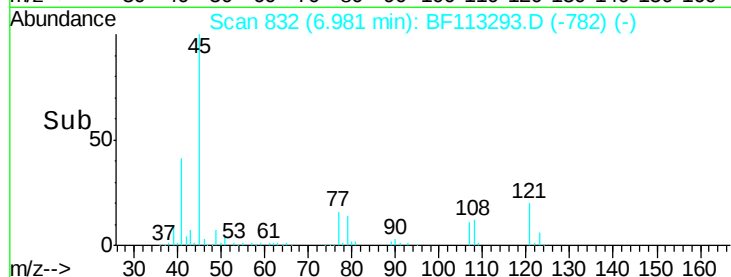
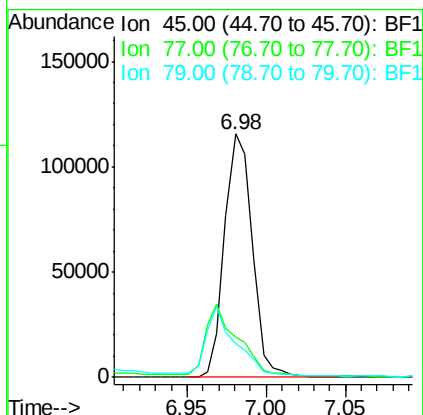
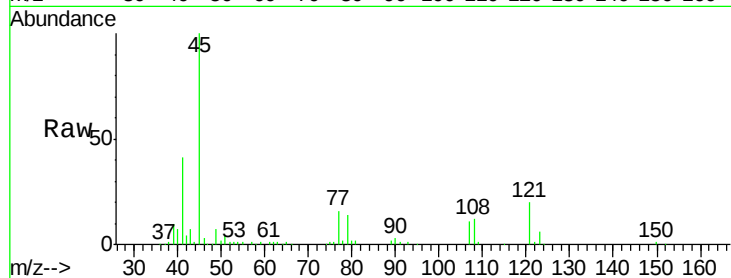




#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.498 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

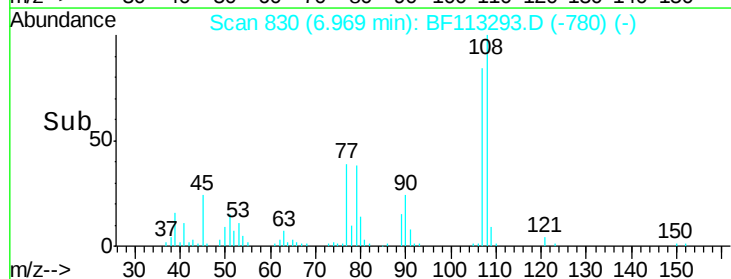
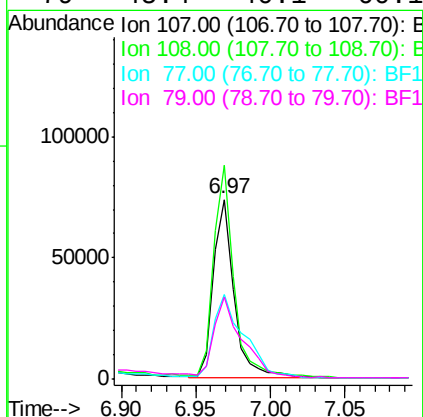
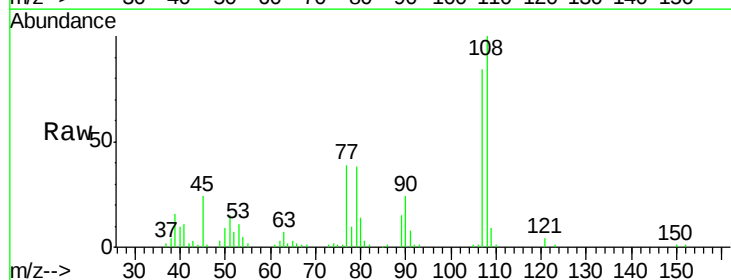
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

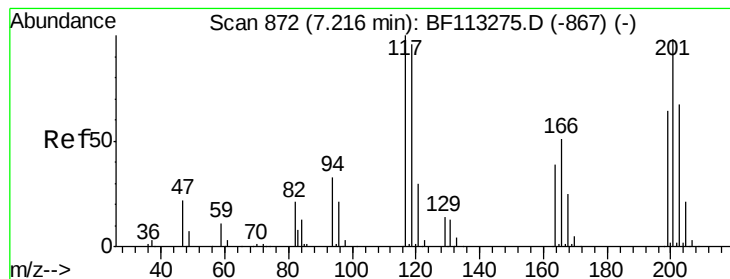
Tgt Ion:	45	Resp:	141067
Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.6
79	14.0	0.0	34.0



#17
2-Methylphenol
Concen: 7.964 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:	107	Resp:	72336
Ion	Ratio	Lower	Upper
107	100		
108	118.8	93.4	140.0
77	46.7	41.2	61.8
79	45.4	40.1	60.1





#18

Hexachloroethane

Concen: 8.322 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

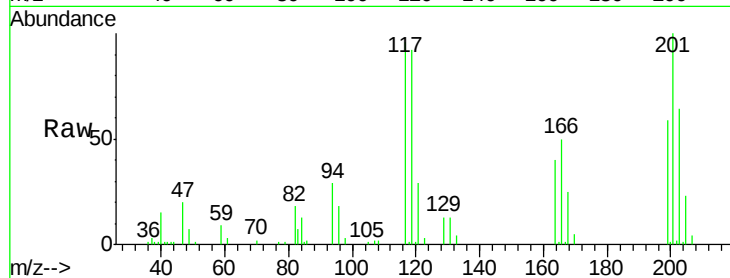
Tgt Ion: 117 Resp: 36055

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3

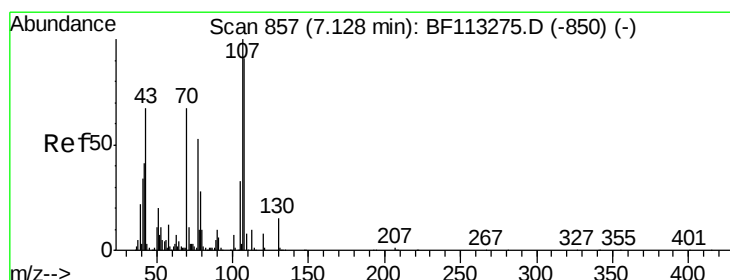
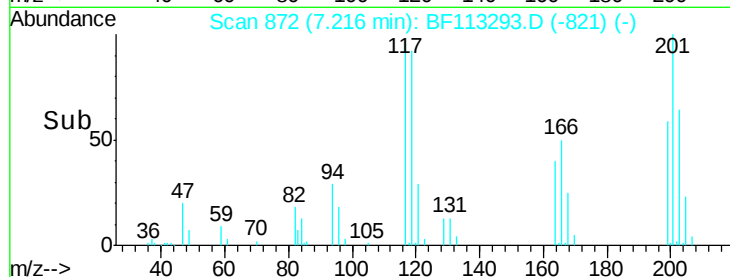
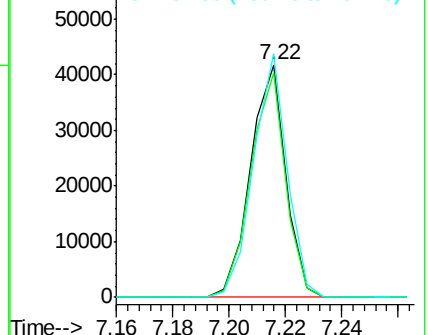
201 104.7 78.7 118.1



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: 7.863 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion: 70 Resp: 62363

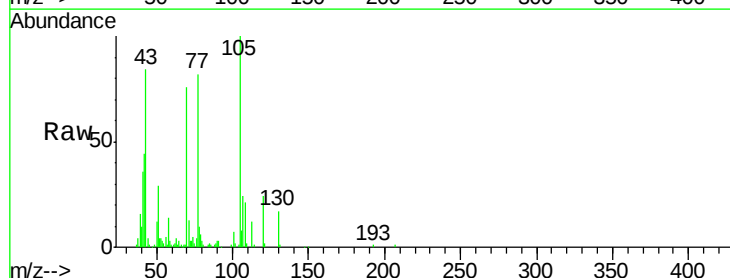
Ion Ratio Lower Upper

70 100

42 57.4 48.4 72.6

101 9.1 7.8 11.8

130 22.1 18.2 27.4

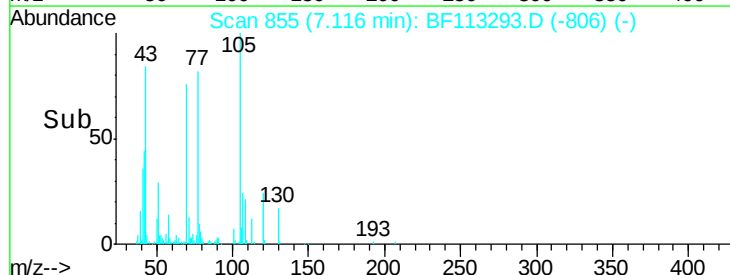
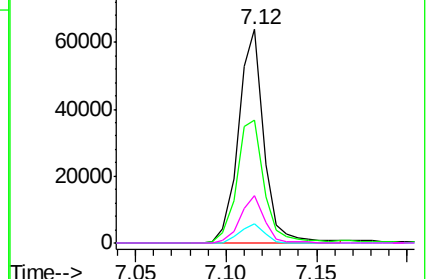


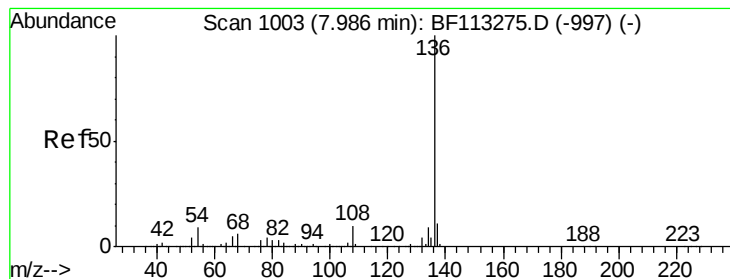
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:136 Resp: 586214

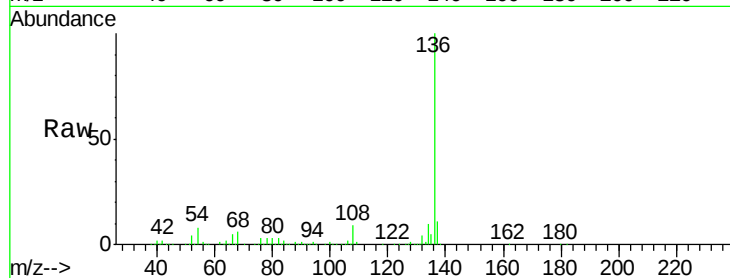
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.6 7.0 10.6

68 5.6 4.8 7.2

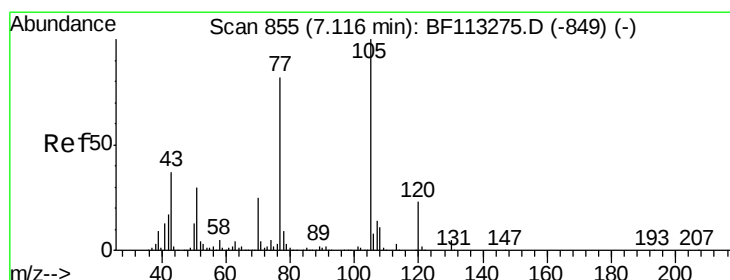
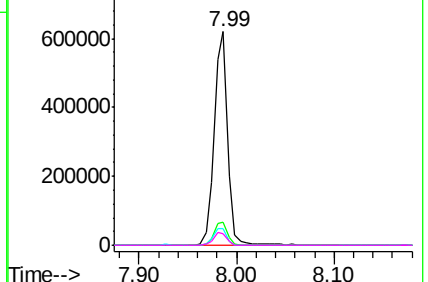
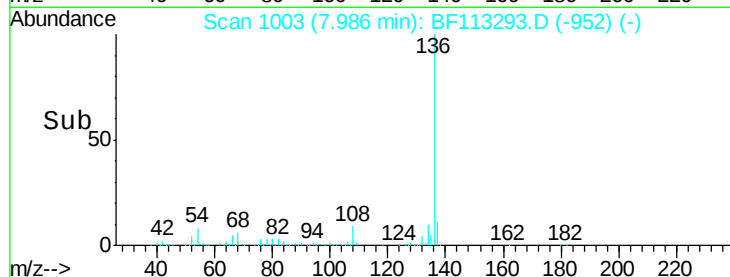


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.064 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:105 Resp: 121178

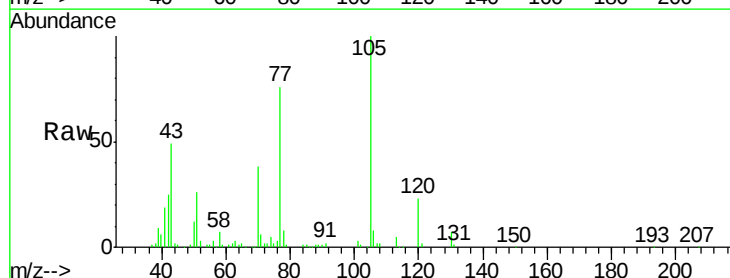
Ion Ratio Lower Upper

105 100

71 6.1 3.3 4.9#

51 26.1 24.2 36.2

120 23.3 18.1 27.1

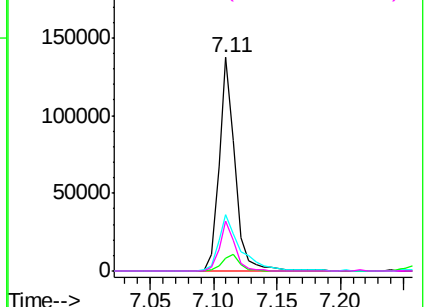
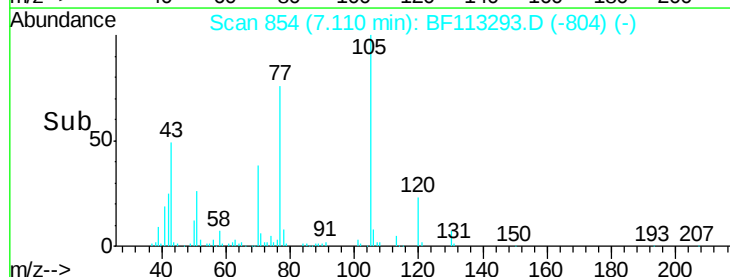


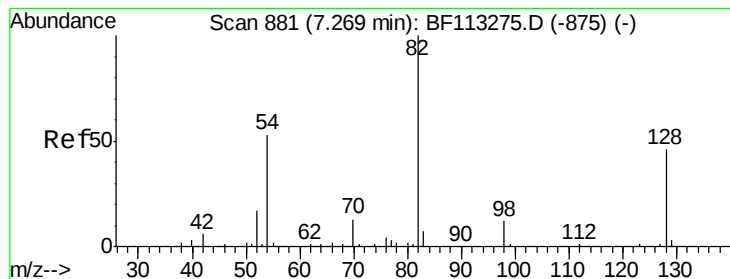
Abundance Ion 105.00 (104.70 to 105.70): E

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: 92.425 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

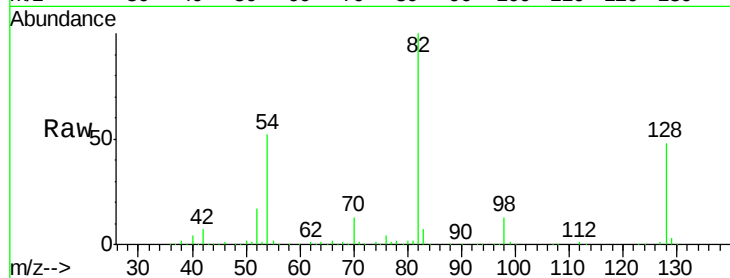
Tgt Ion: 82 Resp: 912842

Ion Ratio Lower Upper

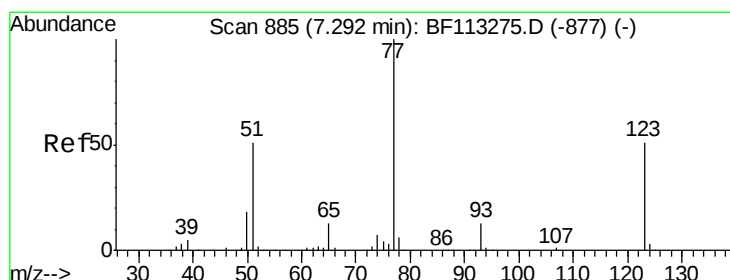
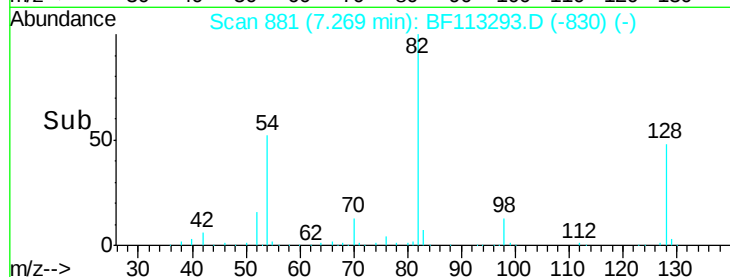
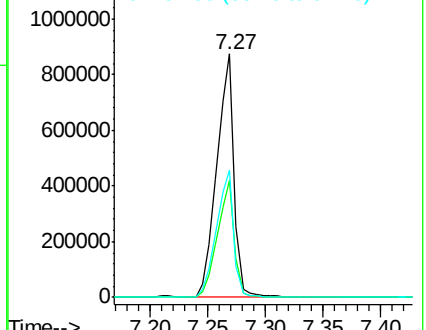
82 100

128 48.2 36.5 54.7

54 52.5 42.2 63.2



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



#24

Nitrobenzene

Concen: 9.480 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

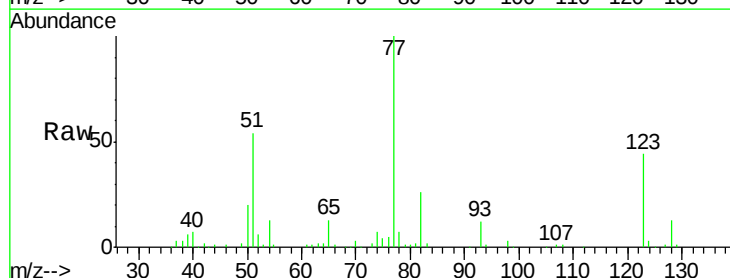
Tgt Ion: 77 Resp: 97702

Ion Ratio Lower Upper

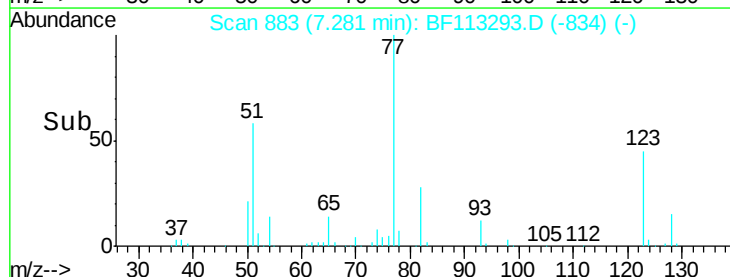
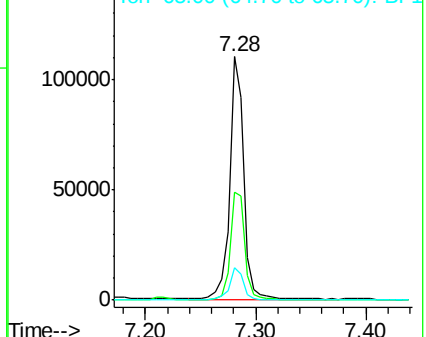
77 100

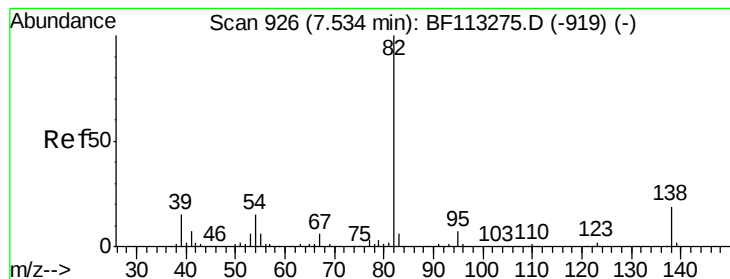
123 44.3 40.8 61.2

65 13.2 10.6 16.0



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





#25

Isophorone

Concen: 8.966 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

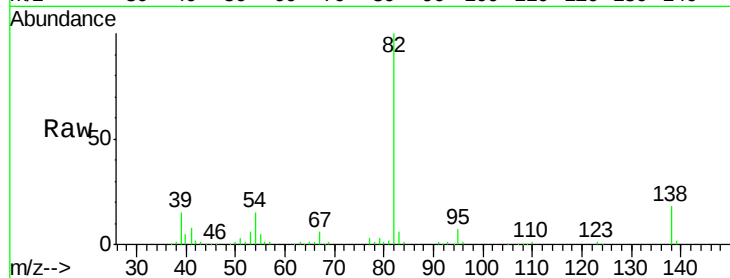
Tgt Ion: 82 Resp: 171613

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

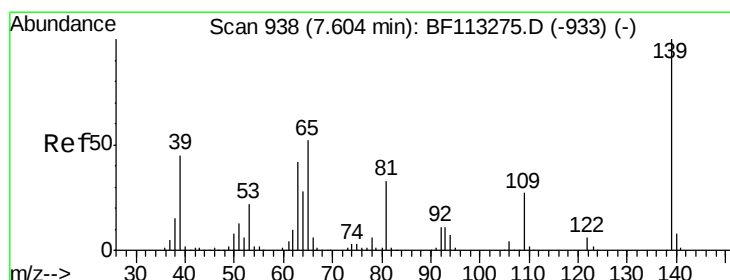
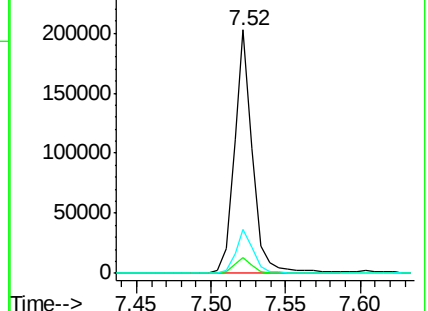
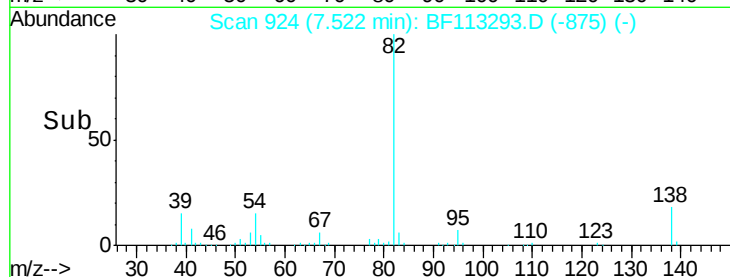
138 17.9 15.2 22.8



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: 8.949 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

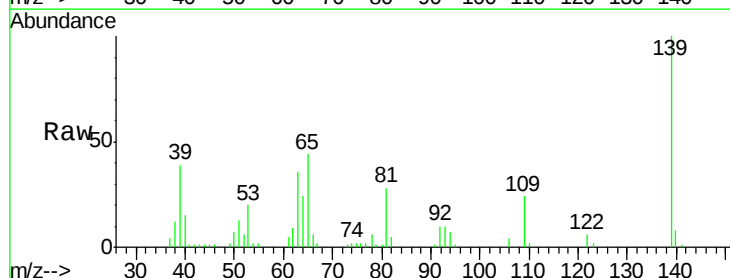
Tgt Ion: 139 Resp: 48754

Ion Ratio Lower Upper

139 100

109 23.7 21.7 32.5

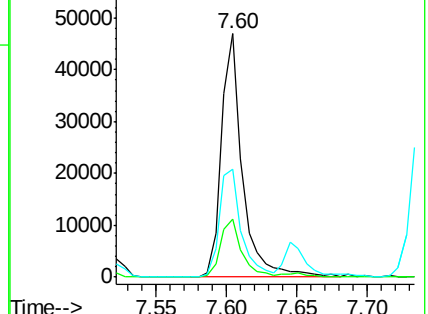
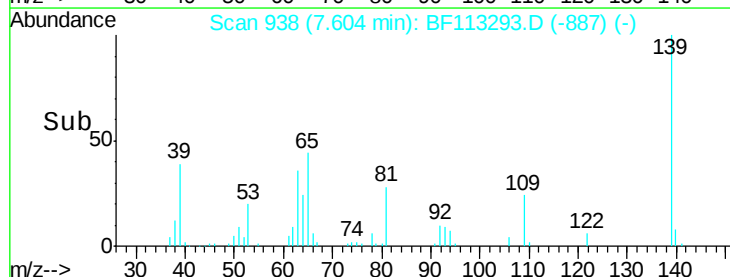
65 44.2 41.6 62.4

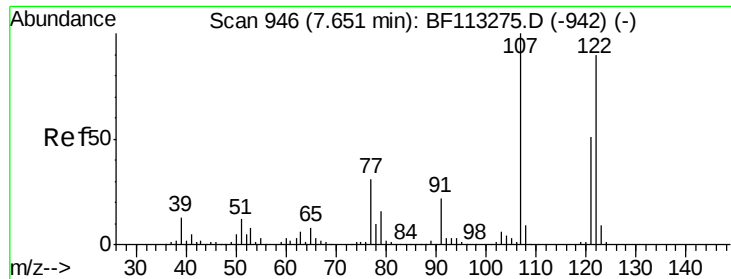


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 9.205 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

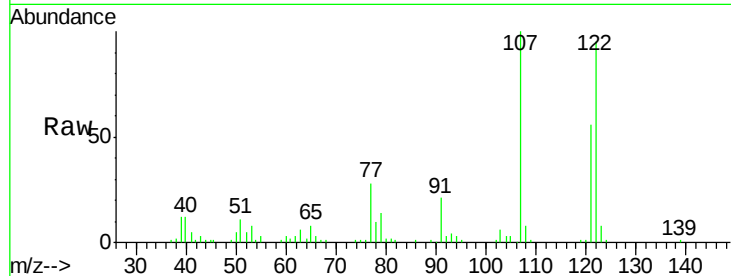
Tgt Ion:122 Resp: 72133

Ion Ratio Lower Upper

122 100

107 105.1 88.8 133.2

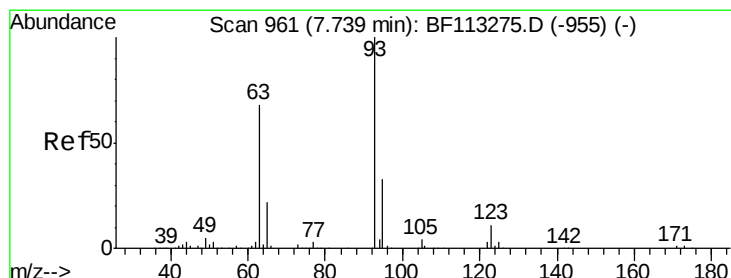
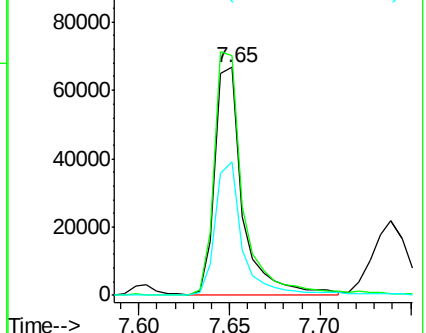
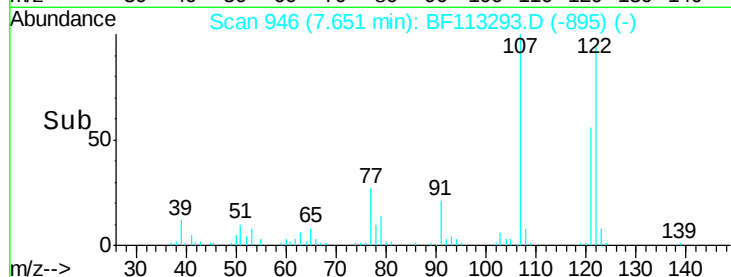
121 58.5 45.5 68.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 9.073 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

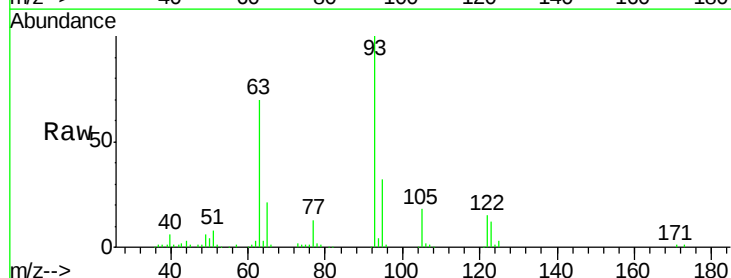
Tgt Ion: 93 Resp: 109362

Ion Ratio Lower Upper

93 100

95 32.2 26.0 39.0

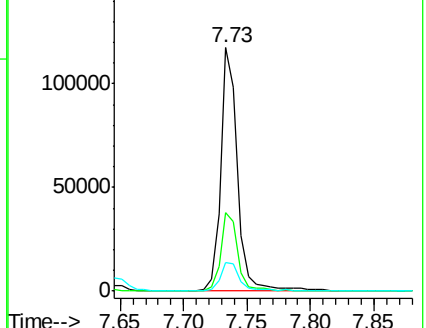
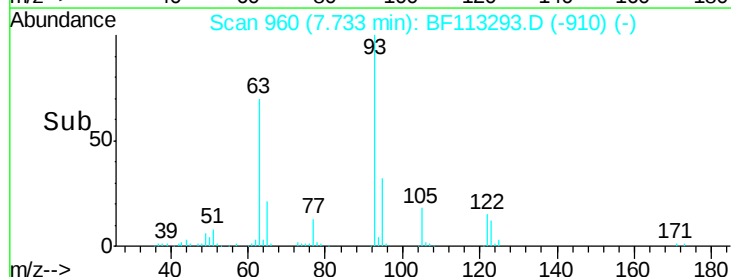
123 11.9 9.1 13.7

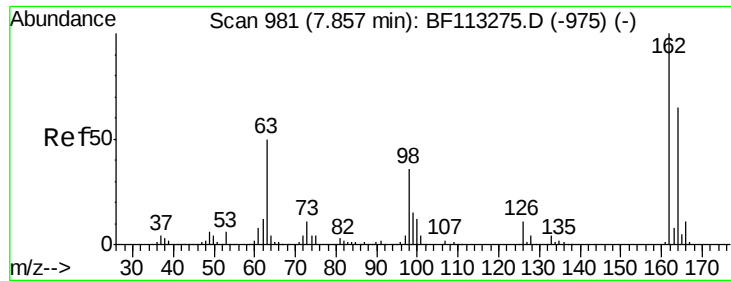


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

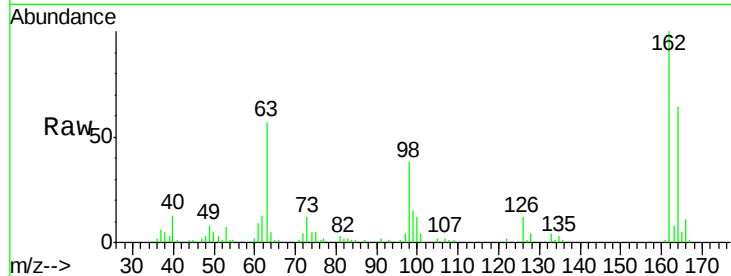




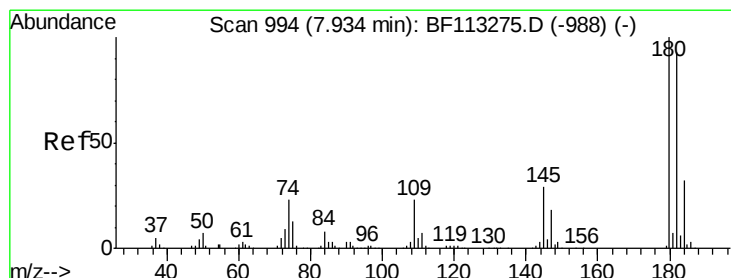
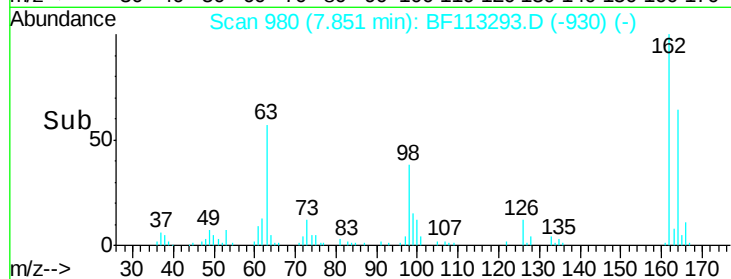
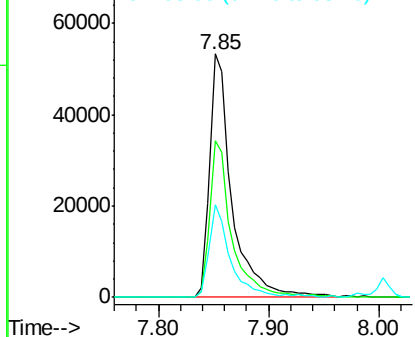
#29
2,4-Dichlorophenol
Concen: 8.645 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

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

Tgt Ion:162 Resp: 73412
Ion Ratio Lower Upper
162 100
164 64.4 44.6 84.6
98 38.0 15.6 55.6

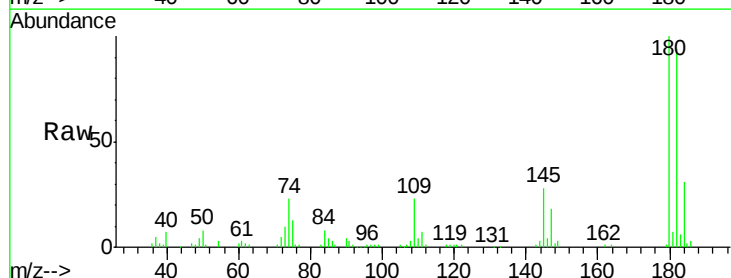


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

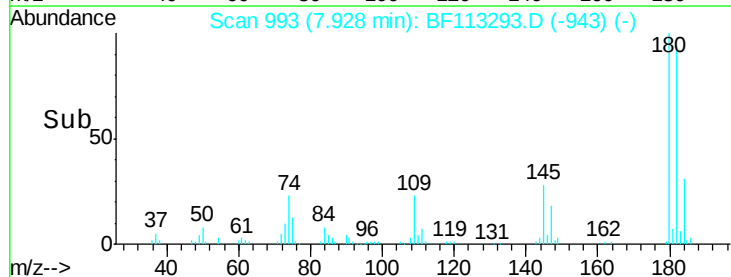
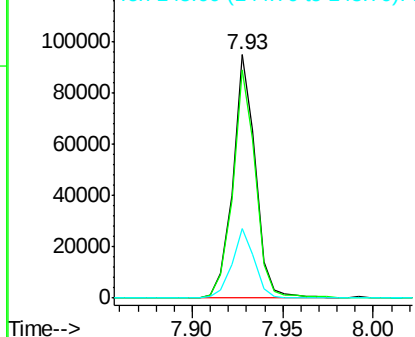


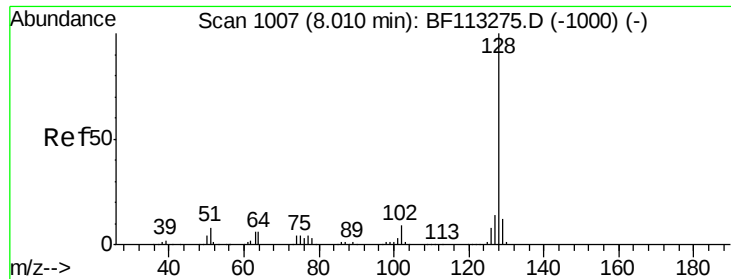
#30
1,2,4-Trichlorobenzene
Concen: 9.019 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:180 Resp: 82630
Ion Ratio Lower Upper
180 100
182 93.8 74.6 111.8
145 28.3 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

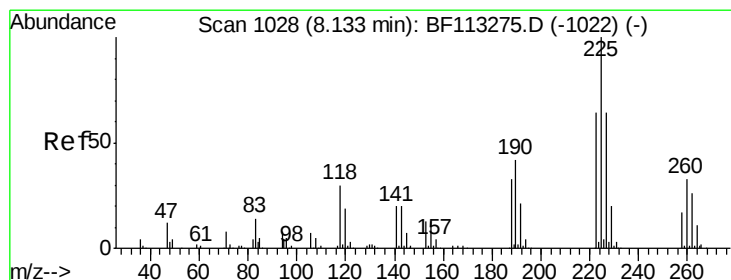
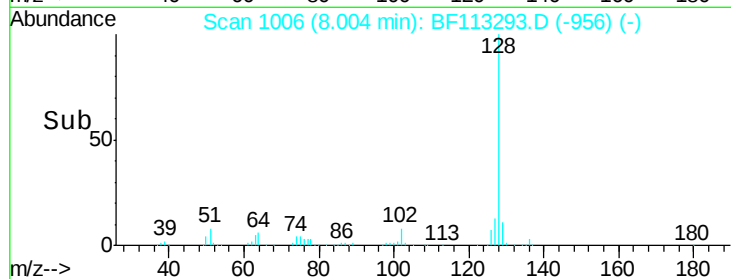
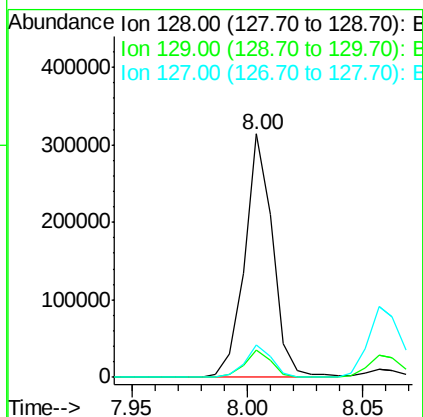
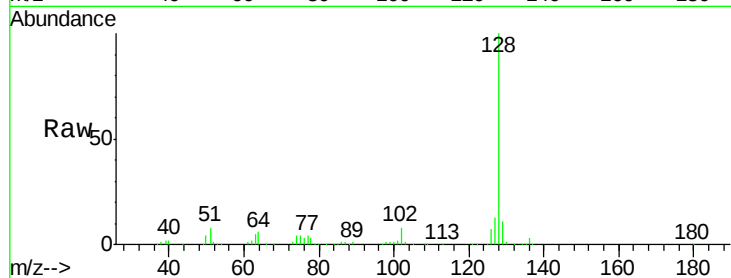




#31
Naphthalene
Concen: 9.327 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

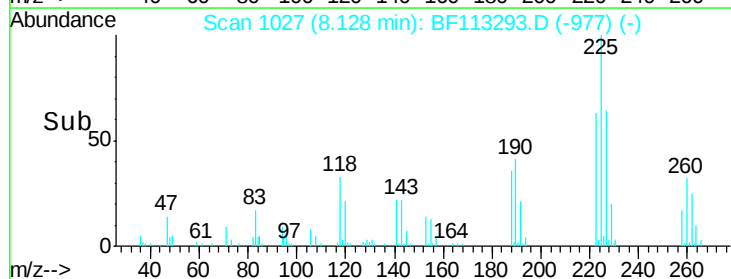
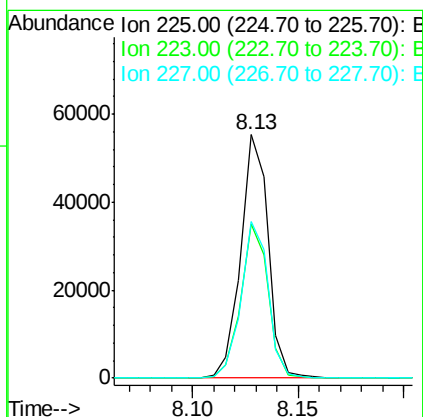
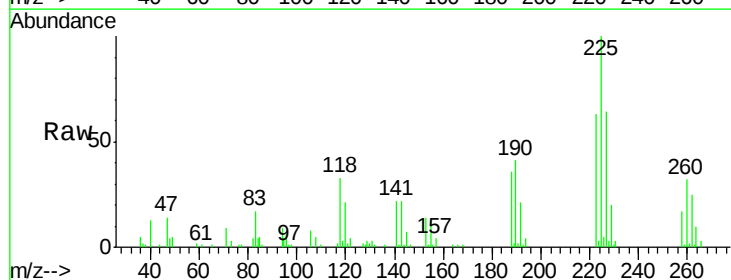
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

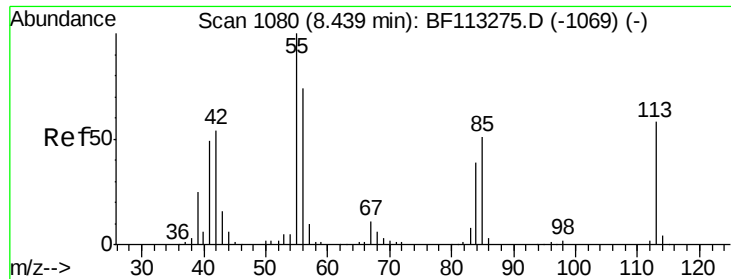
Tgt Ion:128 Resp: 267184
Ion Ratio Lower Upper
128 100
129 11.4 9.3 13.9
127 13.1 10.9 16.3



#34
Hexachlorobutadiene
Concen: 9.120 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:225 Resp: 49664
Ion Ratio Lower Upper
225 100
223 63.1 51.4 77.2
227 64.5 51.1 76.7

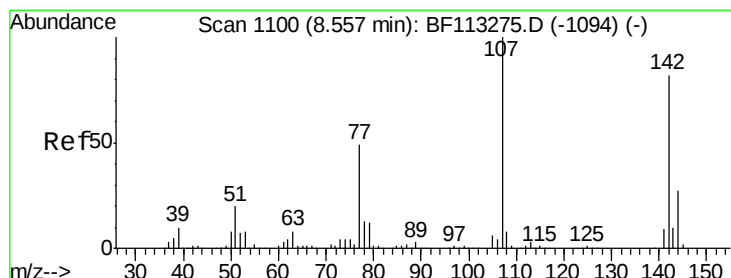
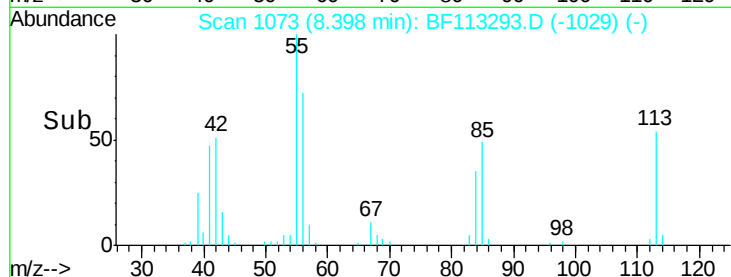
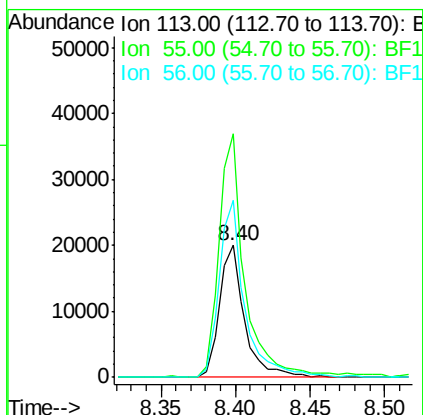
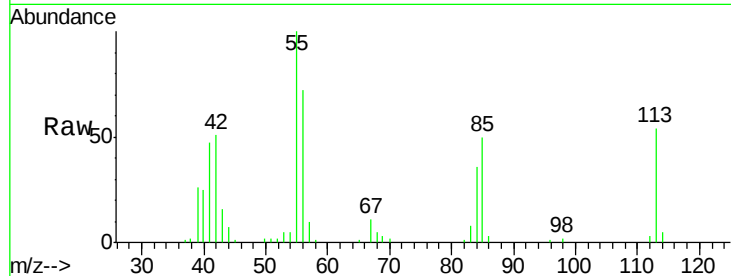




#35
 Caprolactam
 Concen: 8.666 ng
 RT: 8.40 min Scan# 1073
 Delta R.T. -0.04 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

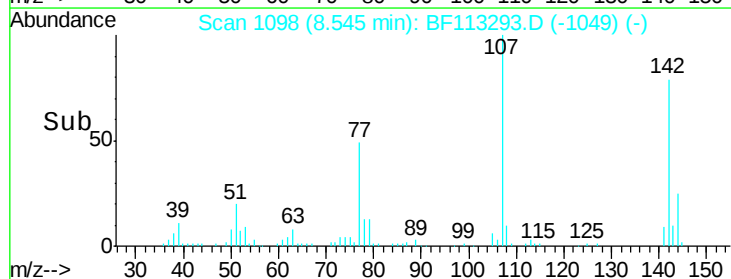
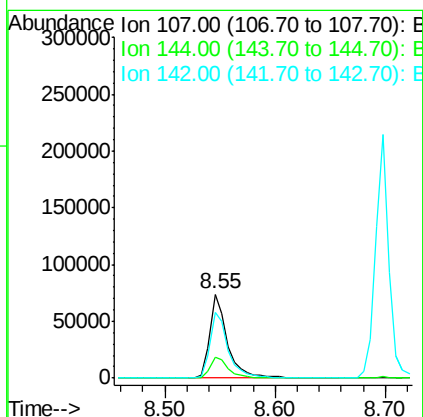
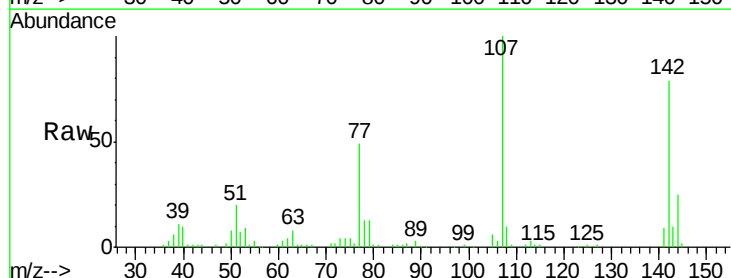
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

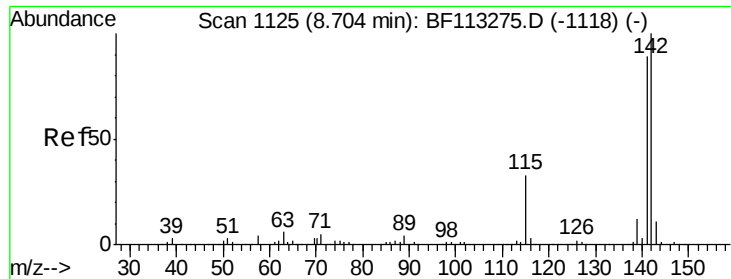
Tgt Ion:113 Resp: 23619
 Ion Ratio Lower Upper
 113 100
 55 184.9 152.7 192.7
 56 134.0 108.3 148.3



#36
 4-Chloro-3-methylphenol
 Concen: 9.358 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:107 Resp: 79928
 Ion Ratio Lower Upper
 107 100
 144 25.1 21.4 32.0
 142 79.1 65.6 98.4

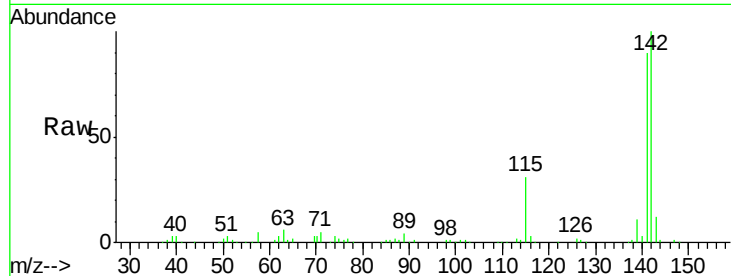




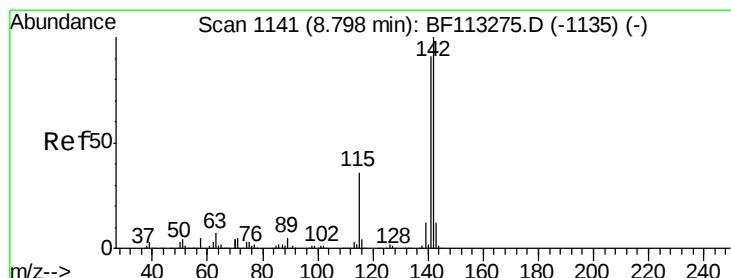
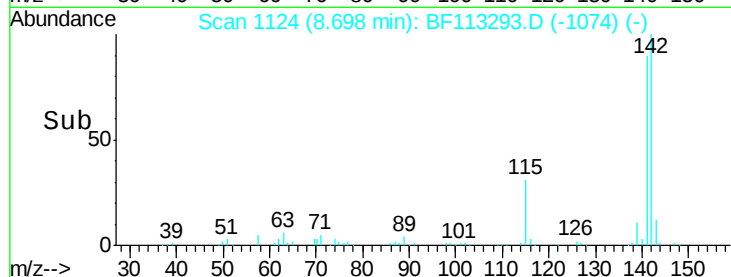
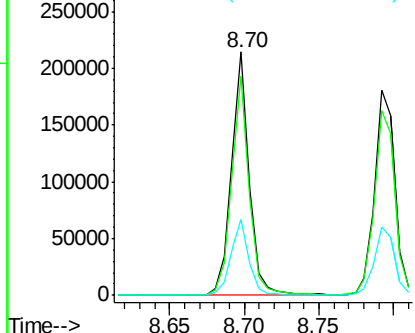
#37
 2-Methylnaphthalene
 Concen: 10.301 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

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

Tgt Ion:142 Resp: 184120
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.0 106.6
 115 31.1 26.6 39.8

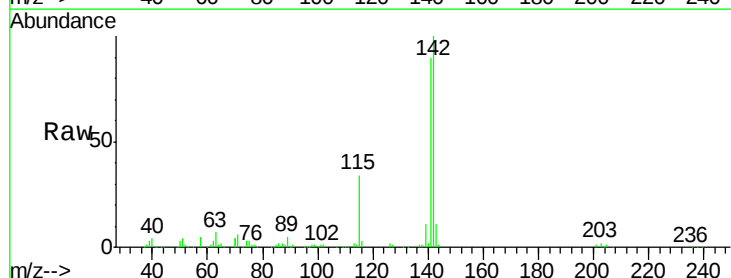


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

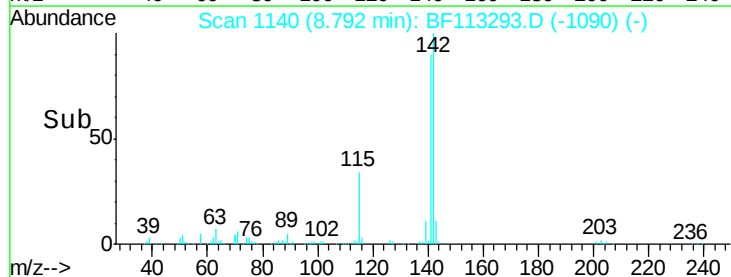
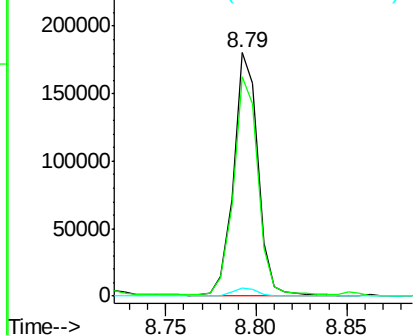


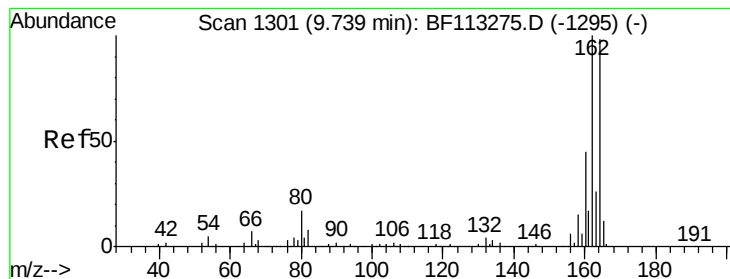
#38
 1-Methylnaphthalene
 Concen: 9.766 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:142 Resp: 167904
 Ion Ratio Lower Upper
 142 100
 141 90.2 73.2 109.8
 116 3.4 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: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

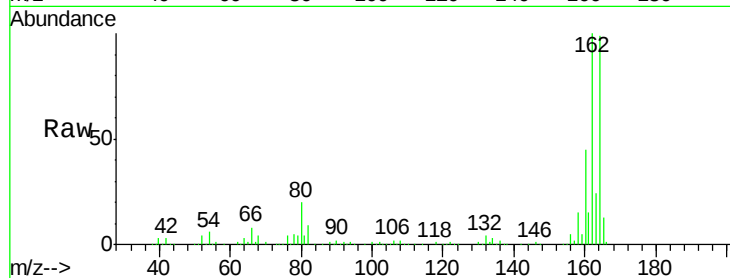
Tgt Ion:164 Resp: 281604

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.6

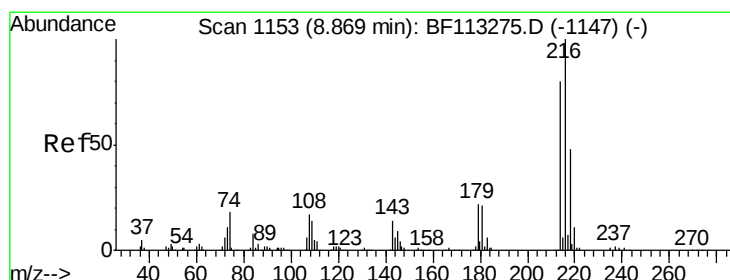
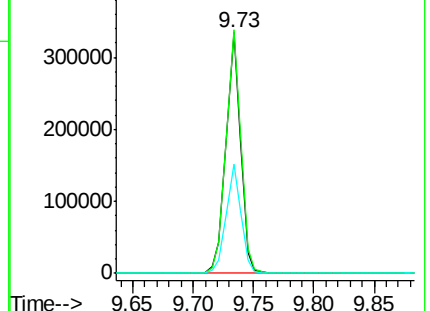
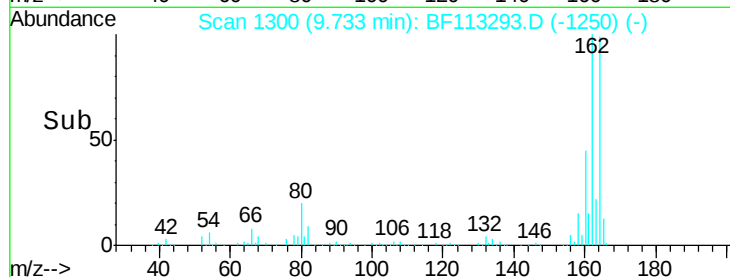
160 45.1 36.4 54.6



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: 9.042 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:216 Resp: 81732

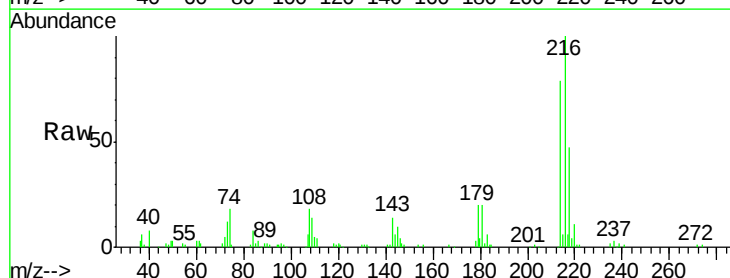
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.6

179 19.5 16.8 25.2

108 16.8 13.8 20.6

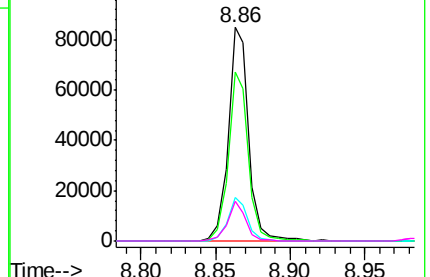
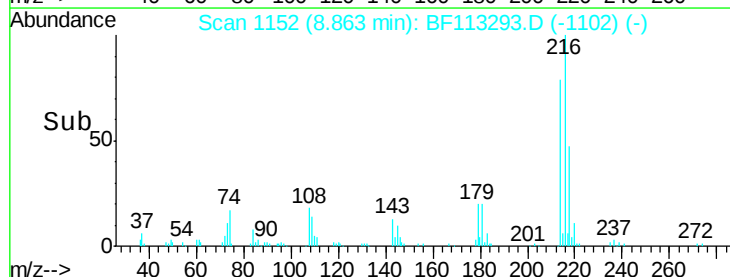


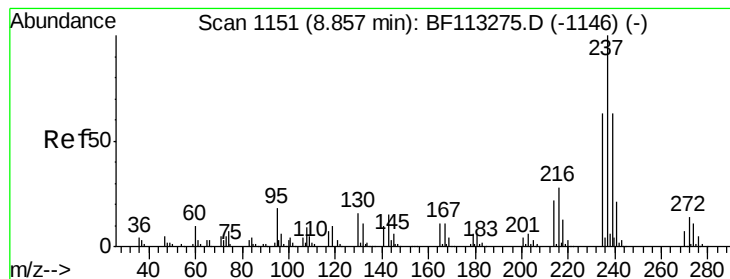
Abundance Ion 216.00 (215.70 to 216.70): E

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: 4.121 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

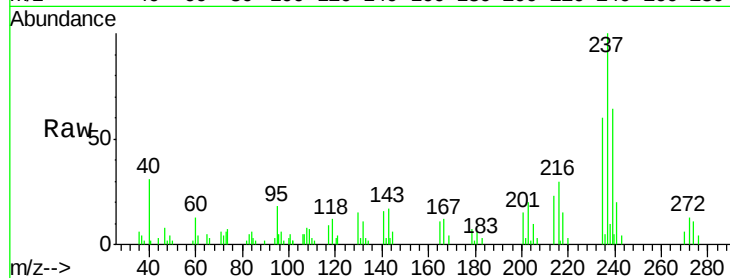
Tgt Ion: 237 Resp: 15768

Ion Ratio Lower Upper

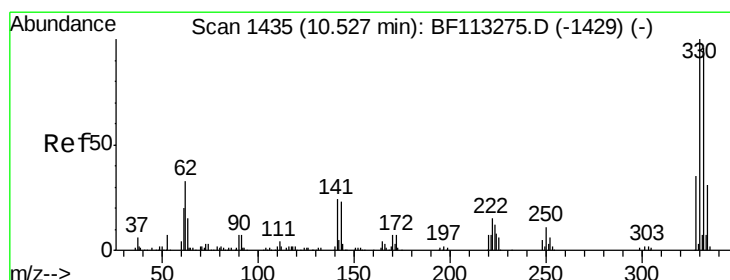
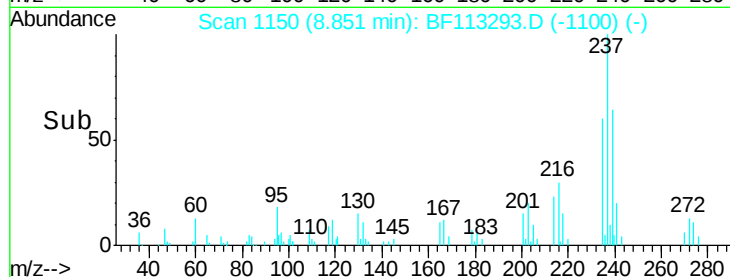
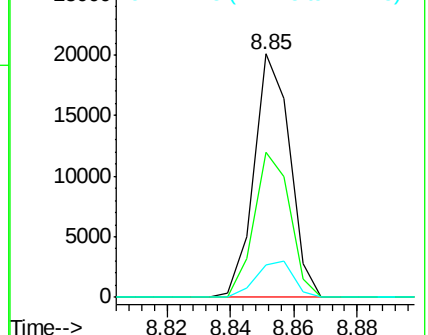
237 100

235 59.5 43.4 83.4

272 13.2 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: 129.599 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

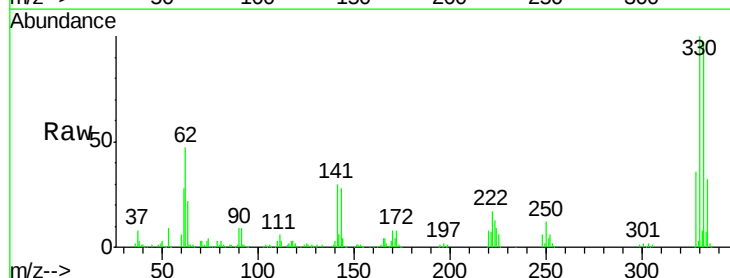
Tgt Ion: 330 Resp: 450804

Ion Ratio Lower Upper

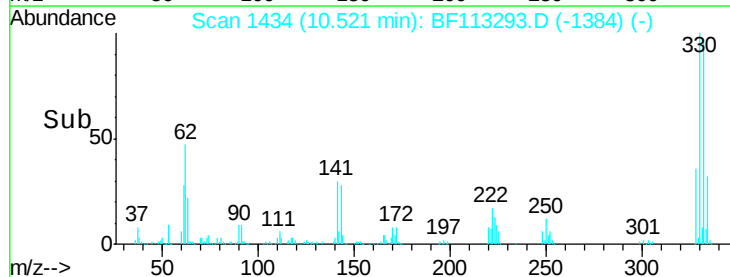
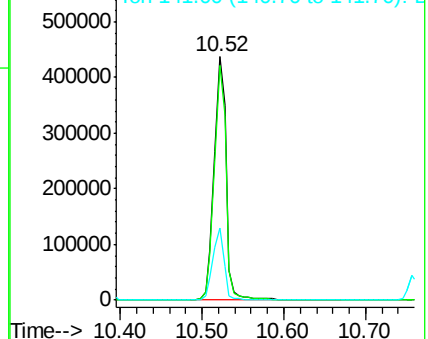
330 100

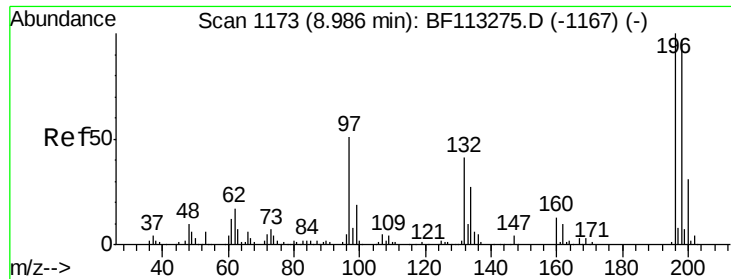
332 95.4 77.8 116.6

141 27.5 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

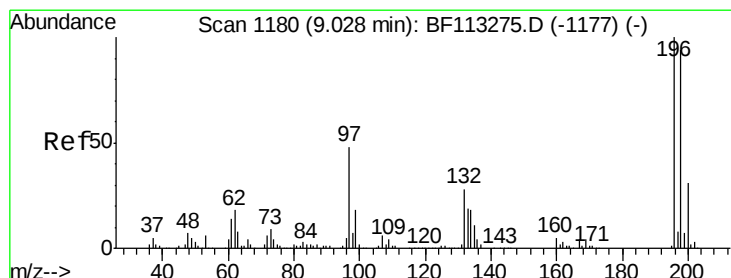
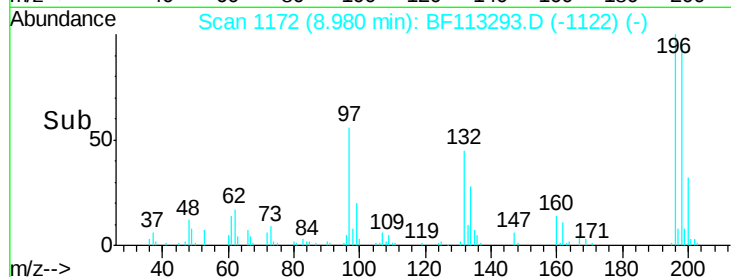
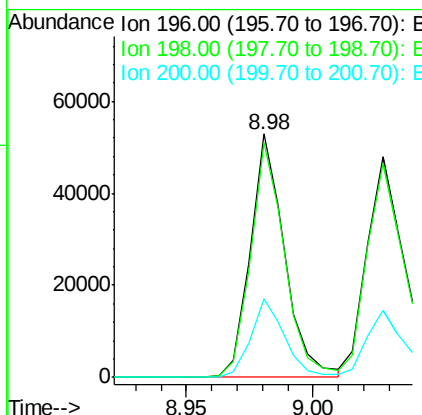
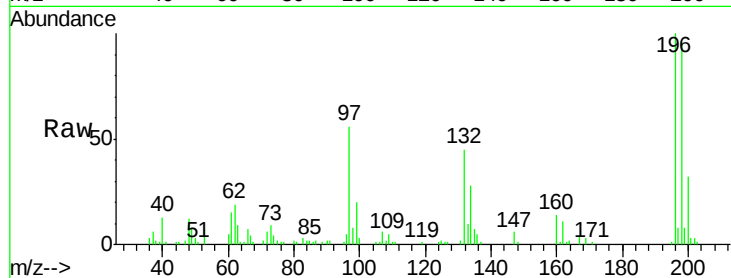




#43
 2,4,6-Trichlorophenol
 Concen: 8.498 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

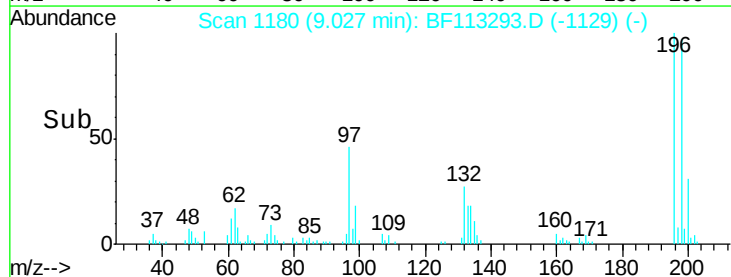
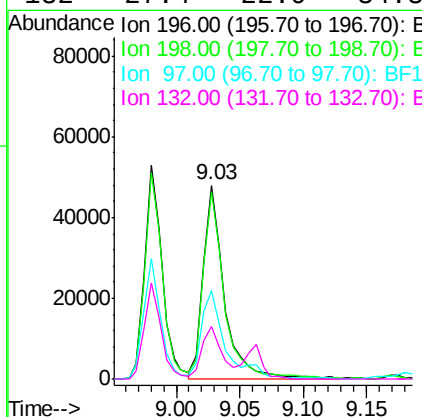
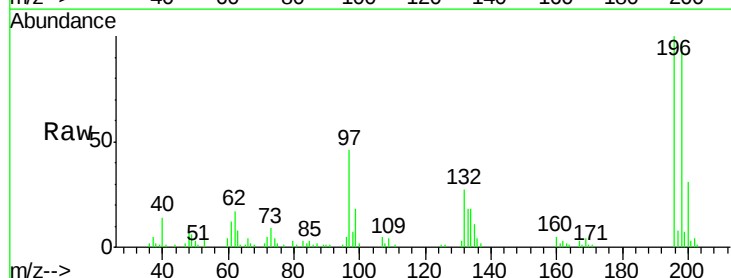
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

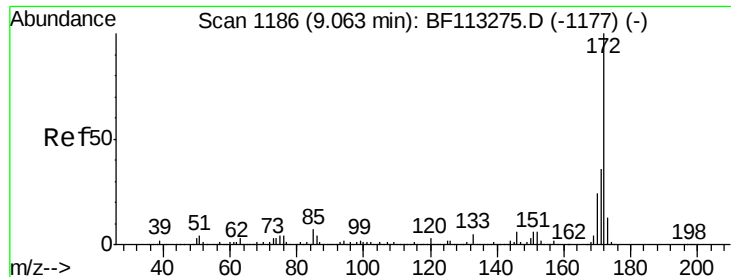
Tgt Ion:	196	Resp:	50024
Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.7	116.5
200	32.3	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 8.628 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:	196	Resp:	56209
Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.4	113.2
97	45.6	38.6	58.0
132	27.4	22.9	34.3

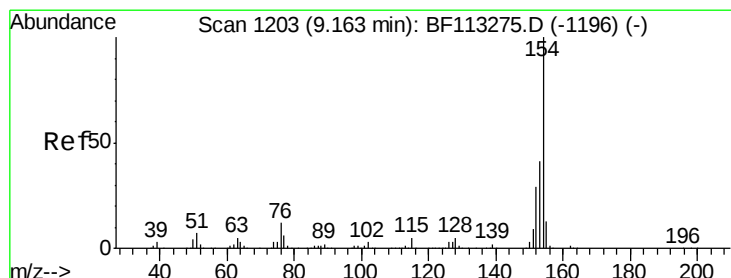
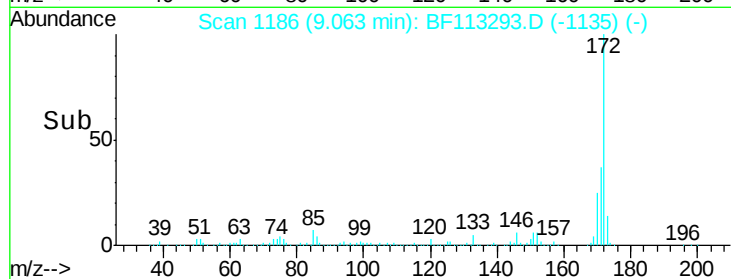
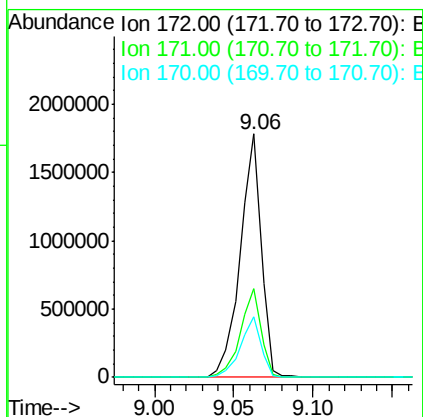
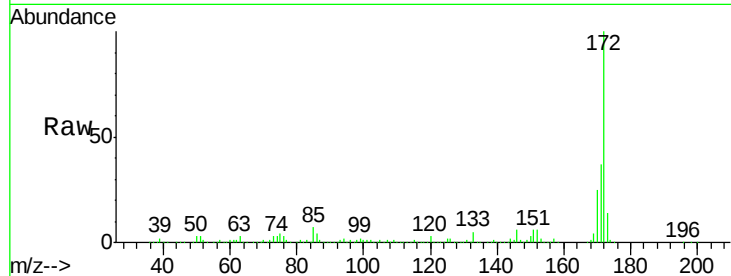




#45
2-Fluorobiphenyl
Concen: 93.305 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

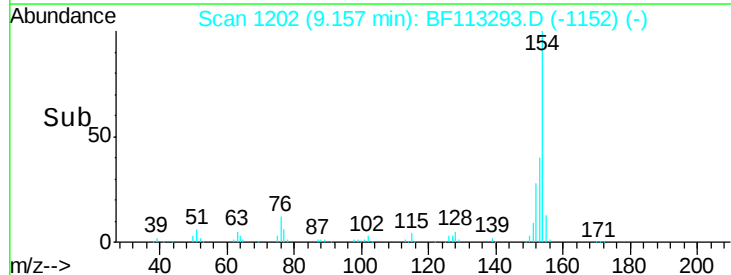
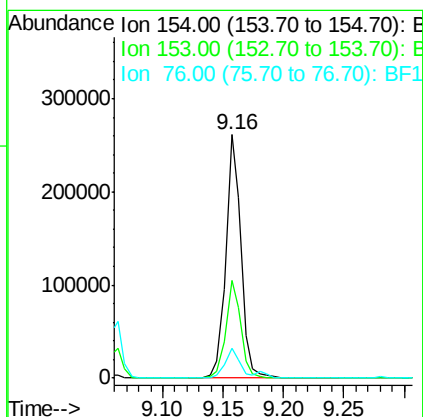
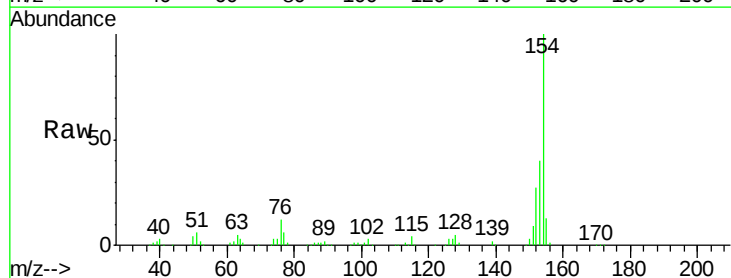
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

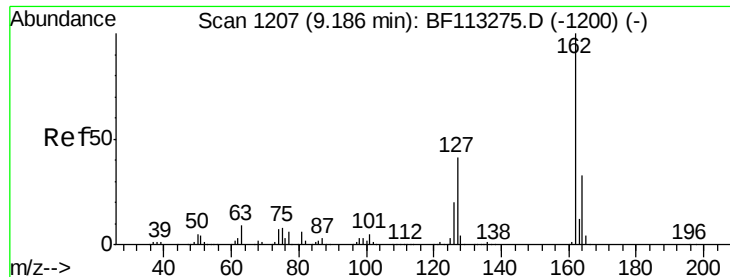
Tgt Ion:172 Resp: 1645425
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.6 19.5 29.3



#46
1,1'-Biphenyl
Concen: 9.653 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:154 Resp: 227023
Ion Ratio Lower Upper
154 100
153 40.2 20.8 60.8
76 12.0 0.0 31.9

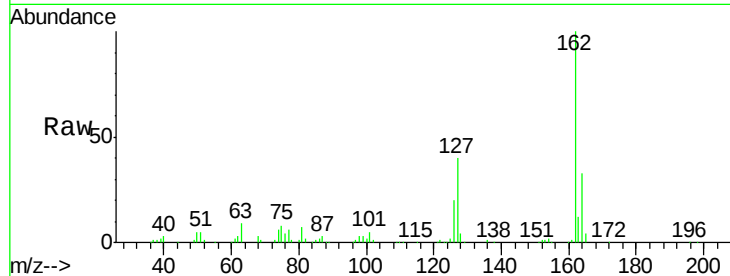




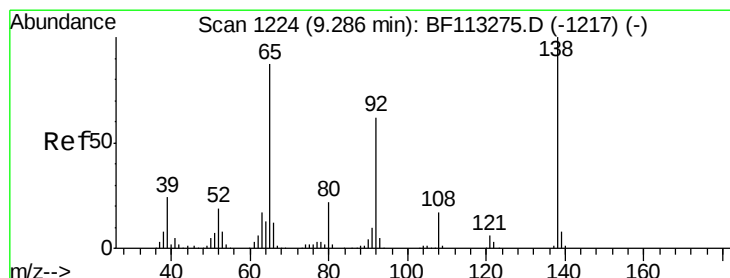
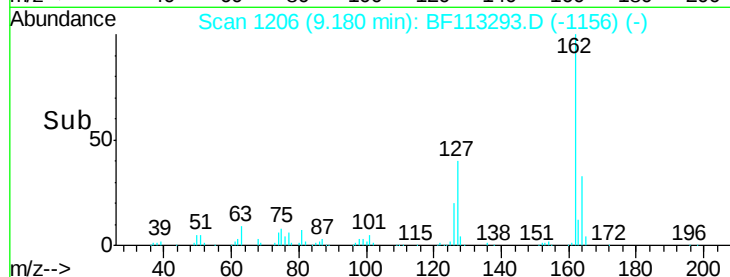
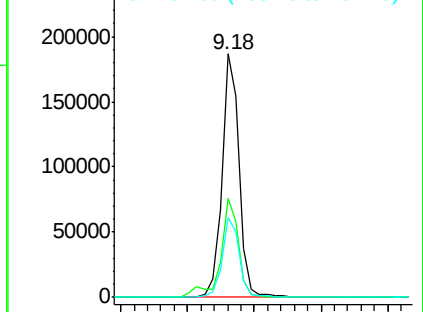
#47
2-Chloronaphthalene
Concen: 9.295 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

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

Tgt Ion: 162 Resp: 168320
Ion Ratio Lower Upper
162 100
127 40.5 32.6 49.0
164 32.9 26.6 39.8

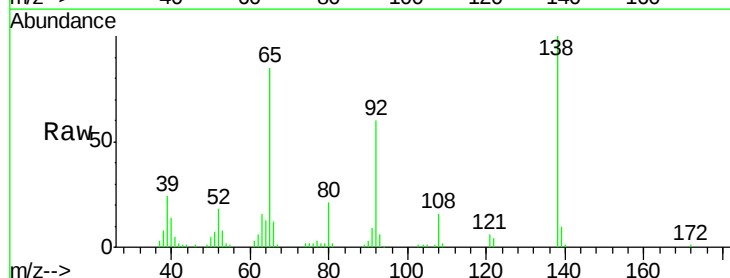


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

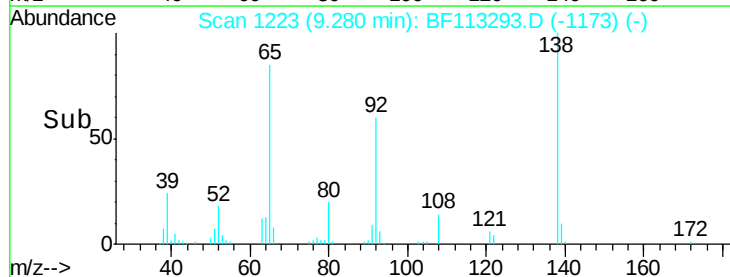
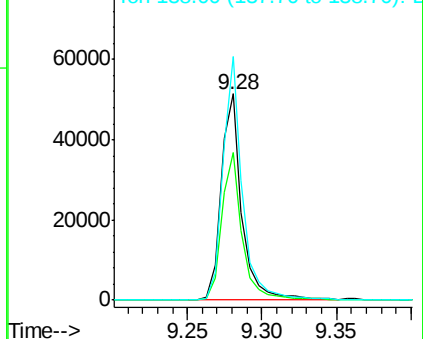


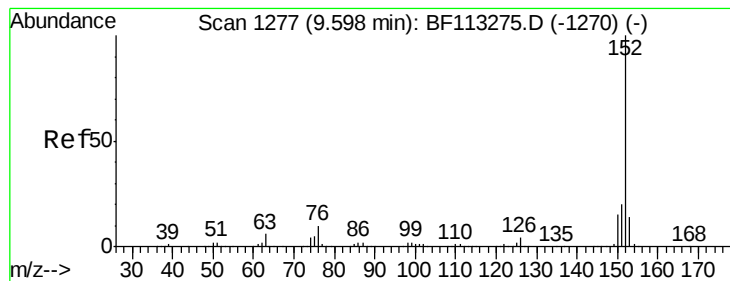
#48
2-Nitroaniline
Concen: 8.846 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 65 Resp: 50273
Ion Ratio Lower Upper
65 100
92 71.3 56.8 85.2
138 118.0 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: 9.482 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

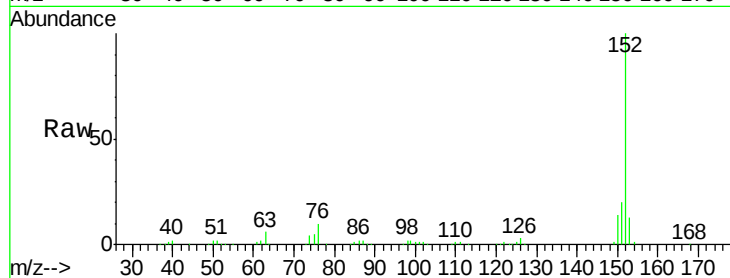
Tgt Ion:152 Resp: 277621

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.4

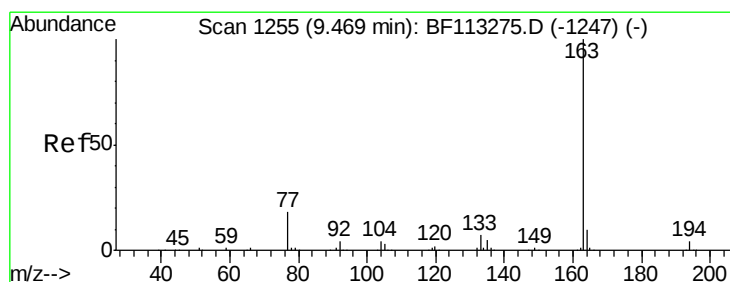
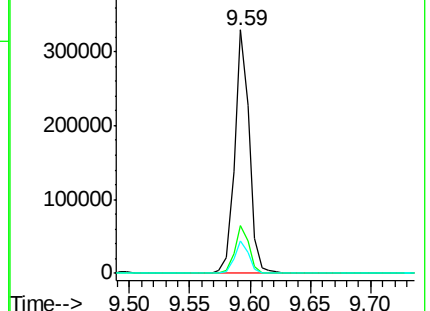
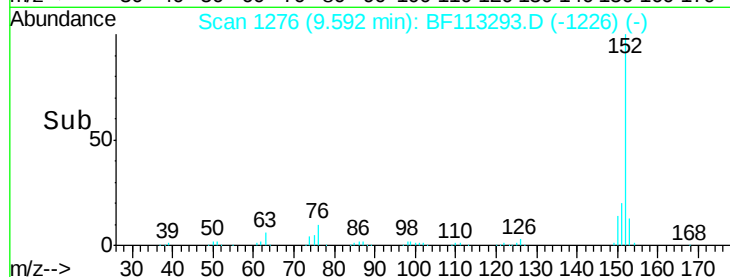
153 13.3 11.0 16.6



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: 8.745 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

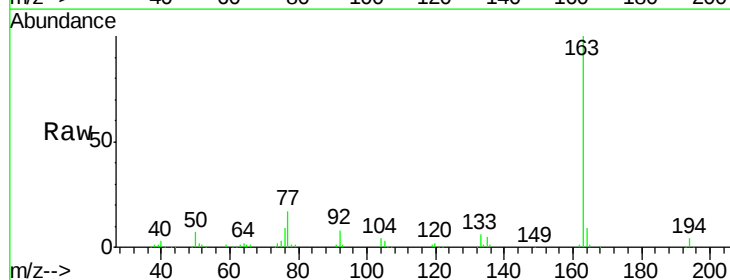
Tgt Ion:163 Resp: 182500

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

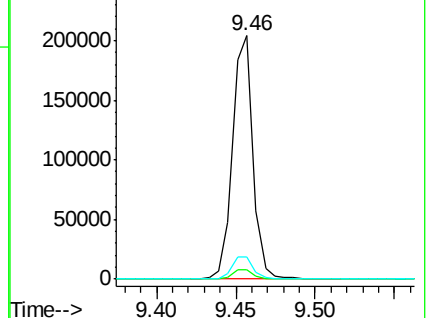
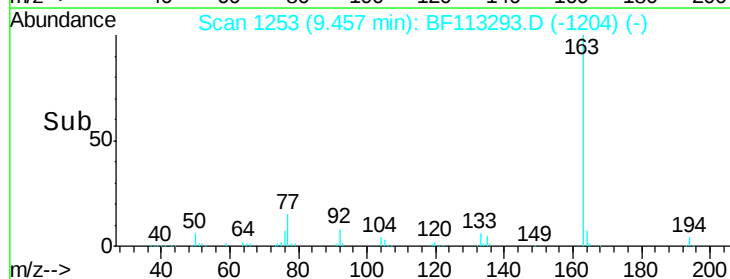
164 9.3 8.1 12.1

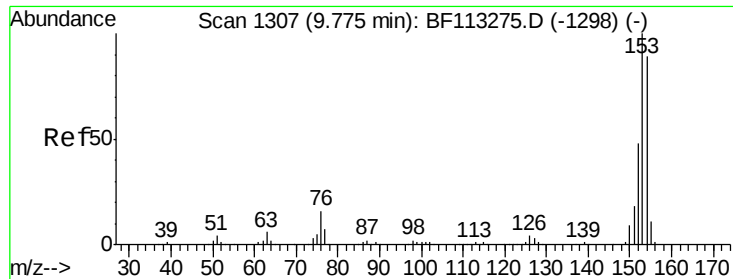


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 9.385 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

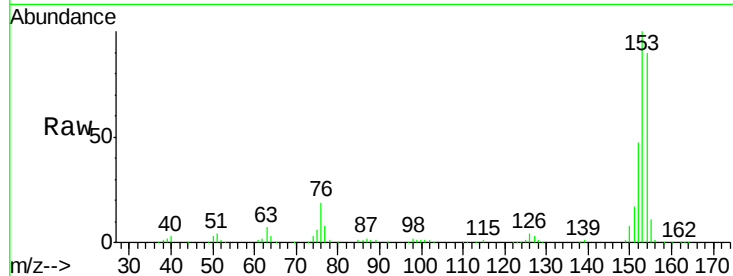
Tgt Ion:154 Resp: 154745

Ion Ratio Lower Upper

154 100

153 111.5 89.5 134.3

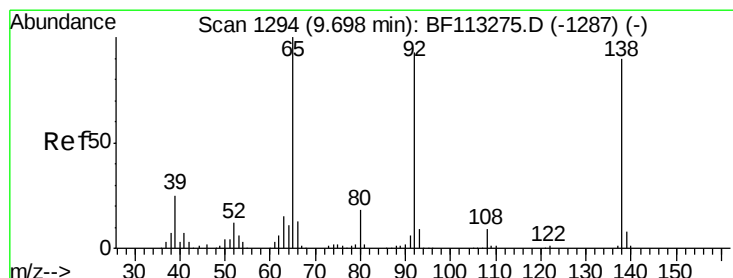
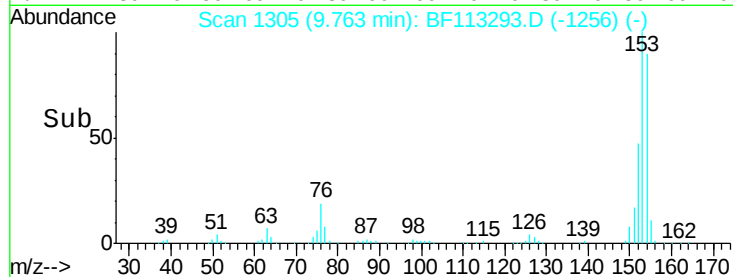
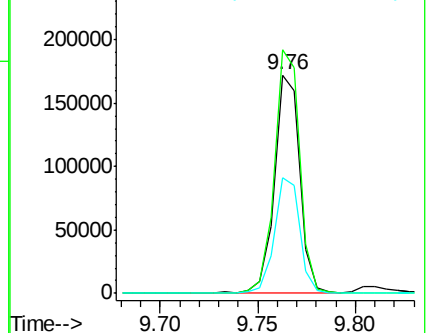
152 52.7 43.3 64.9



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: 8.392 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

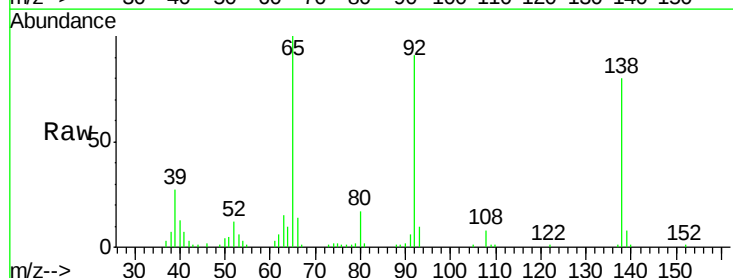
Tgt Ion:138 Resp: 44555

Ion Ratio Lower Upper

138 100

108 10.2 7.8 11.6

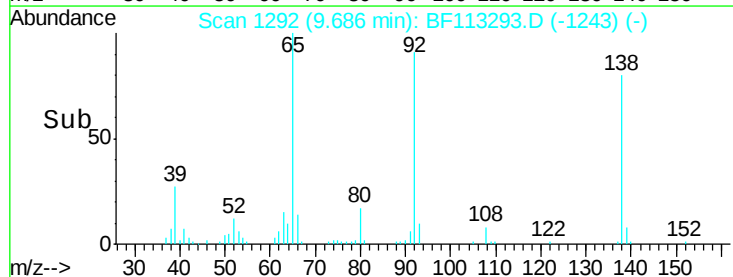
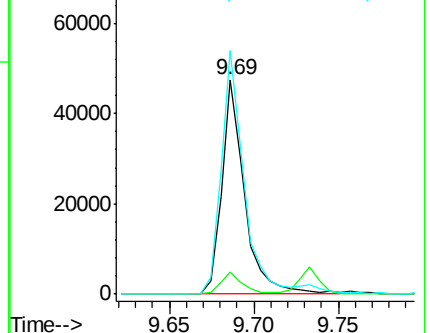
92 113.7 82.6 124.0

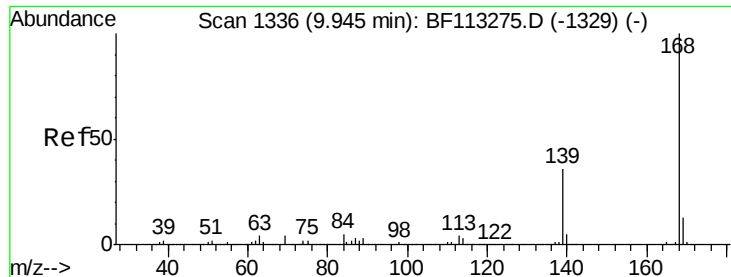


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#55

Dibenzofuran

Concen: 9.702 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

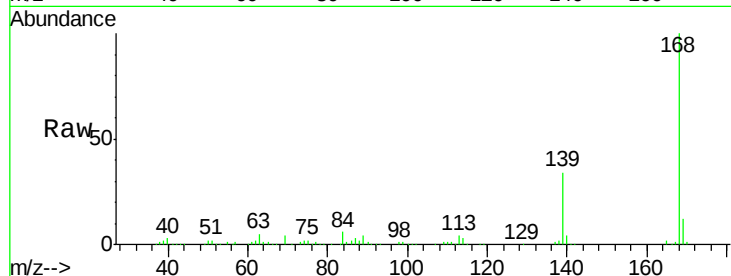
Tgt Ion:168 Resp: 240494

Ion Ratio Lower Upper

168 100

139 34.5 29.7 44.5

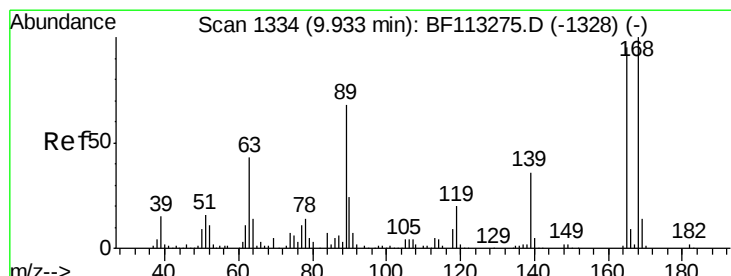
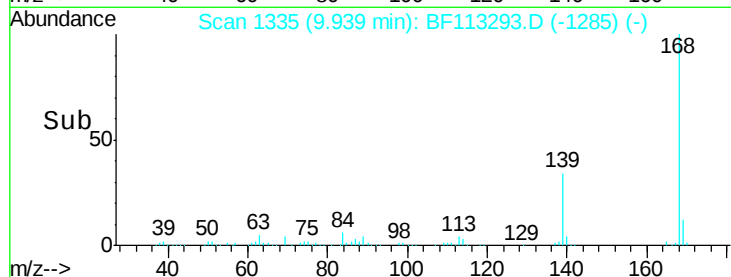
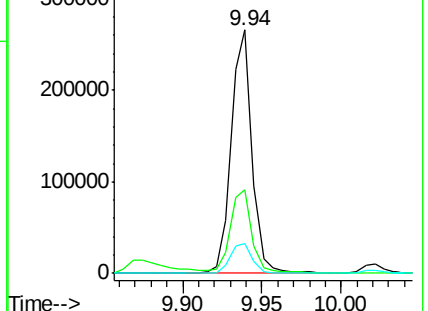
169 12.5 10.7 16.1



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



#57

2,4-Dinitrotoluene

Concen: 8.932 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:165 Resp: 53480

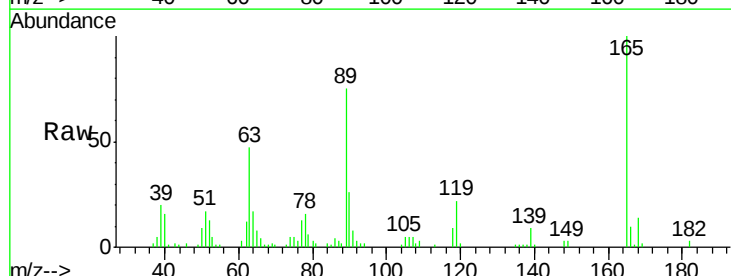
Ion Ratio Lower Upper

165 100

63 47.1 37.5 56.3

89 74.6 57.4 86.2

182 2.8 2.0 3.0

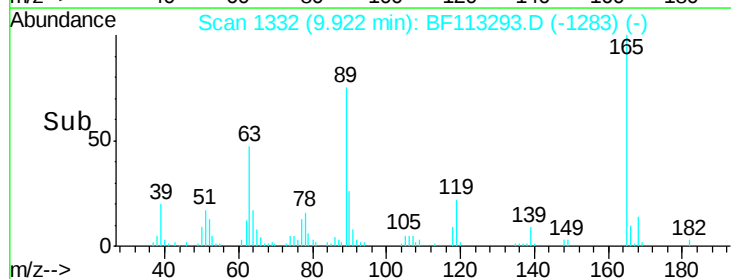
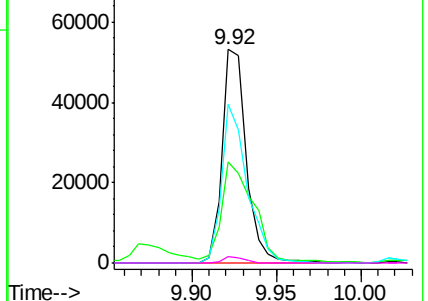


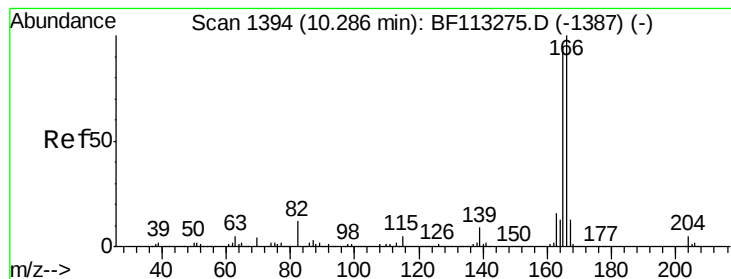
Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.736 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

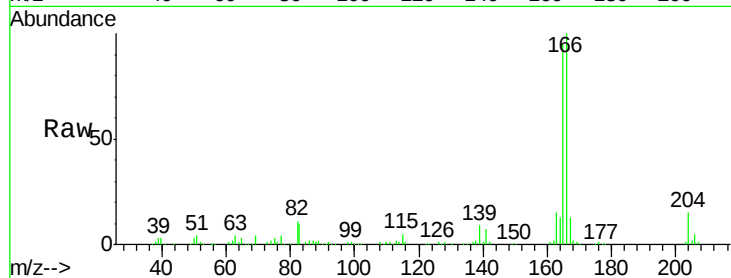
Tgt Ion:166 Resp: 187488

Ion Ratio Lower Upper

166 100

165 95.5 76.2 114.2

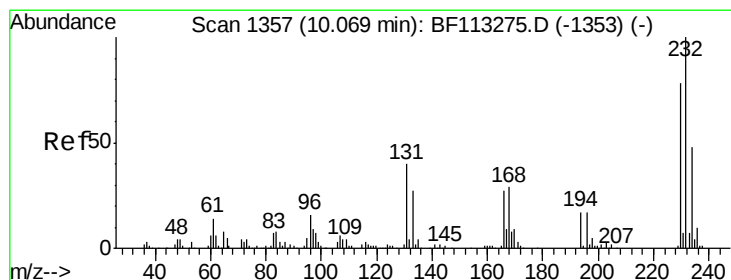
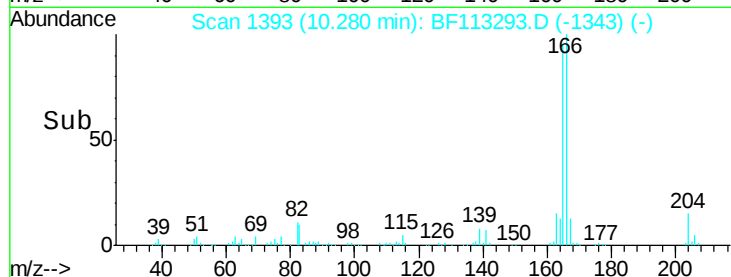
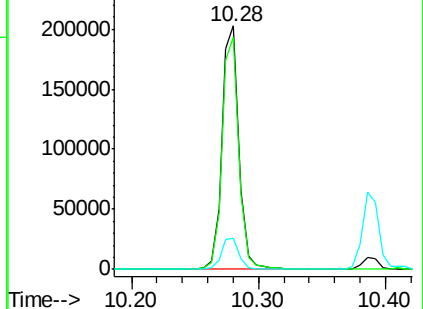
167 12.9 10.7 16.1



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: 8.457 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:232 Resp: 46589

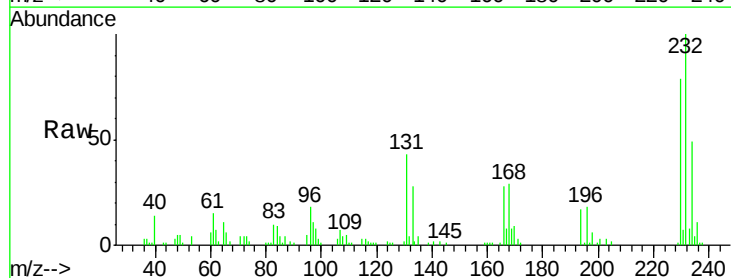
Ion Ratio Lower Upper

232 100

131 43.1 33.2 49.8

130 2.0 1.6 2.4

166 28.6 21.0 31.6

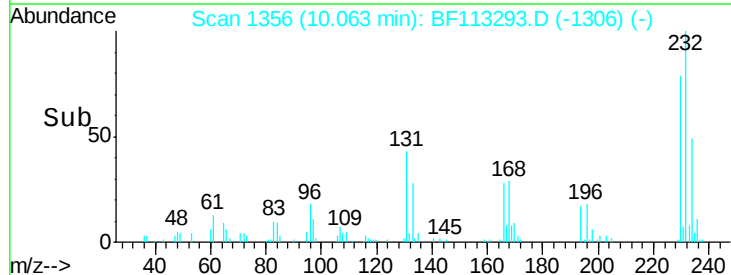
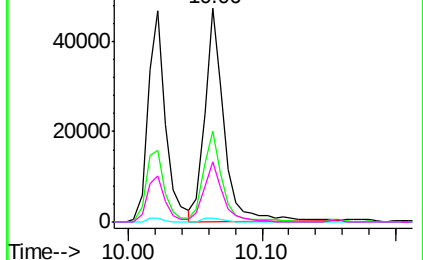


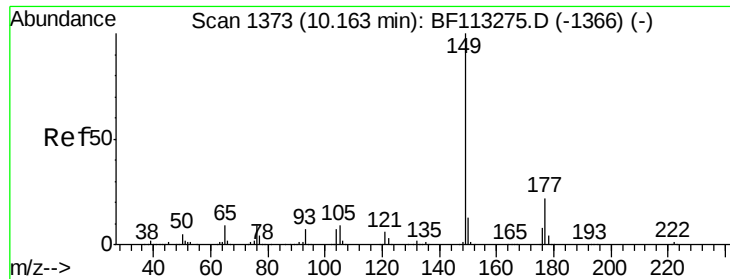
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

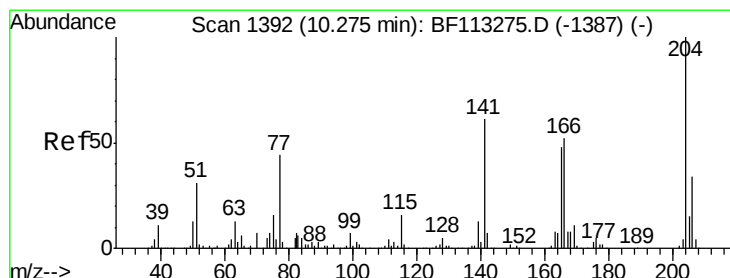
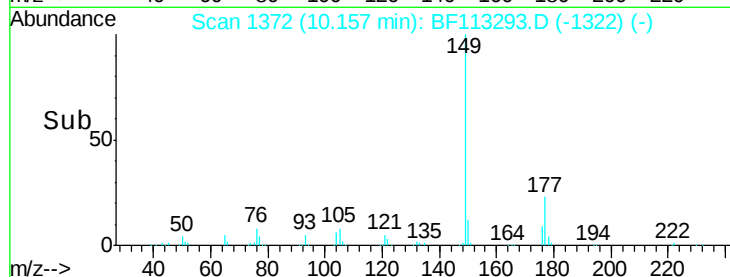
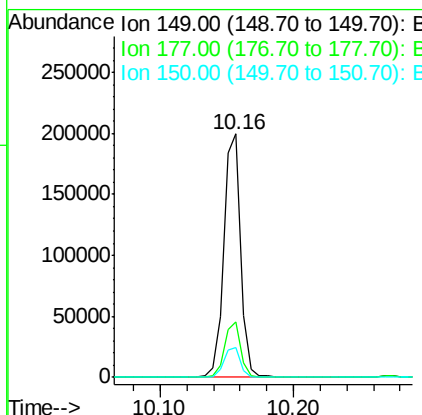
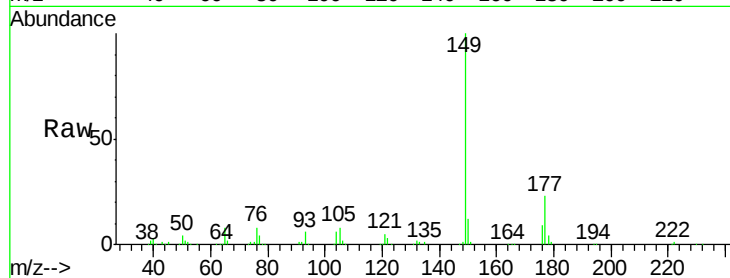




#60
Diethylphthalate
Concen: 8.715 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

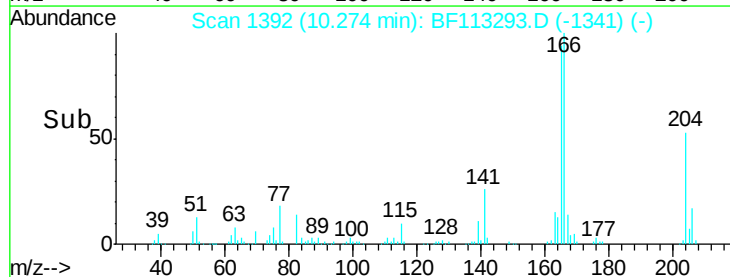
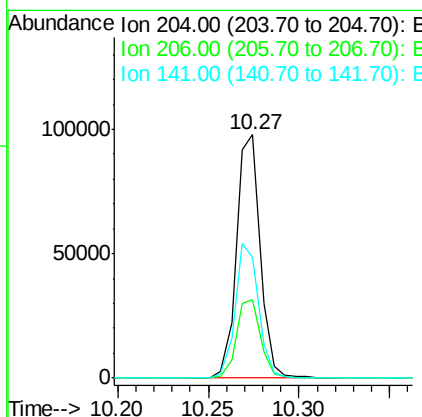
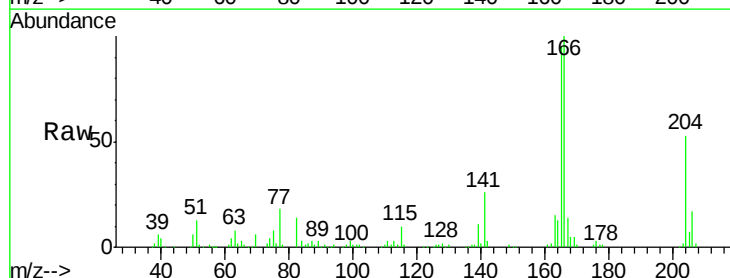
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

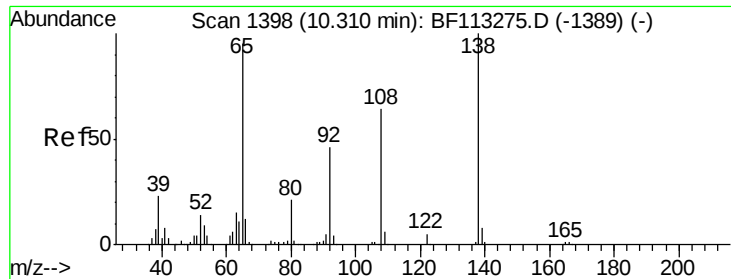
Tgt Ion:149 Resp: 178423
Ion Ratio Lower Upper
149 100
177 22.9 17.4 26.0
150 12.1 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 9.512 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:204 Resp: 89275
Ion Ratio Lower Upper
204 100
206 32.4 26.9 40.3
141 49.3 48.8 73.2





#62

4-Nitroaniline

Concen: 8.684 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

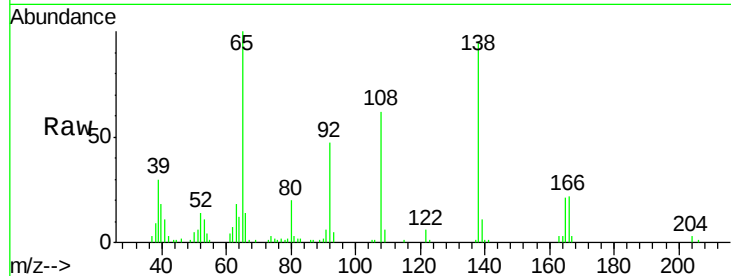
Tgt Ion:138 Resp: 47469

Ion Ratio Lower Upper

138 100

92 49.5 25.8 65.8

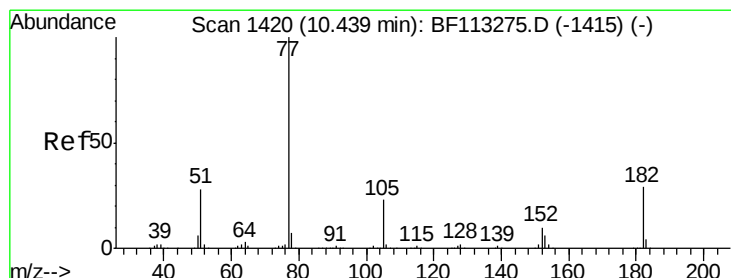
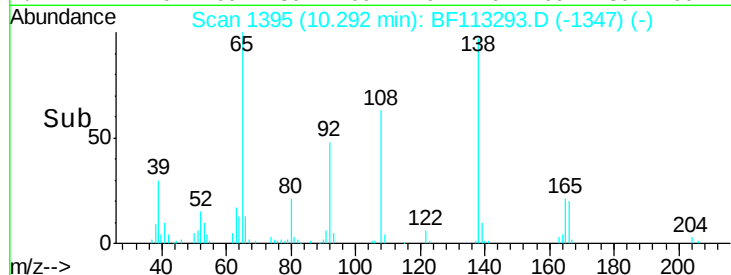
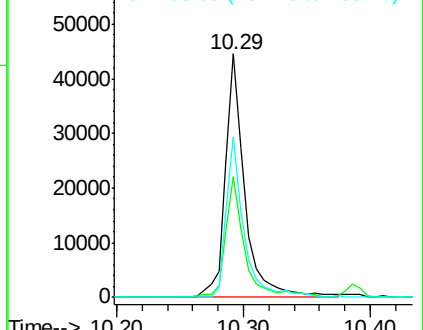
108 65.6 44.0 84.0



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: 9.013 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion: 77 Resp: 173699

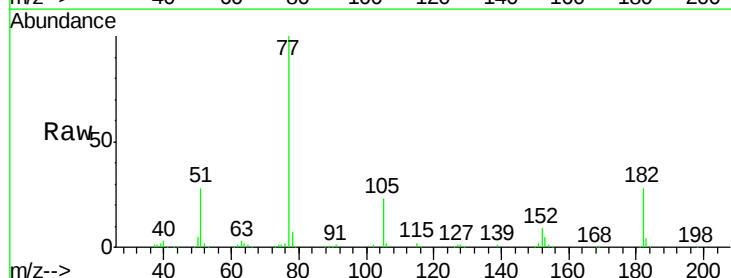
Ion Ratio Lower Upper

77 100

182 28.2 8.7 48.7

105 23.2 2.9 42.9

51 27.9 8.8 48.8

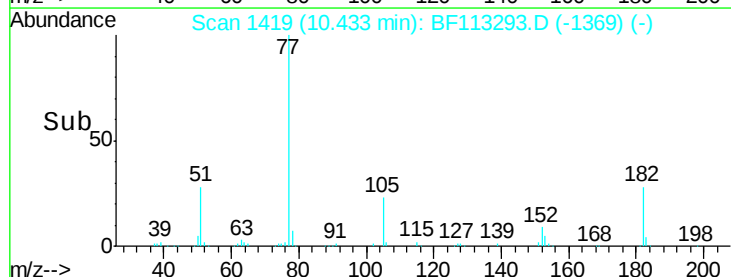
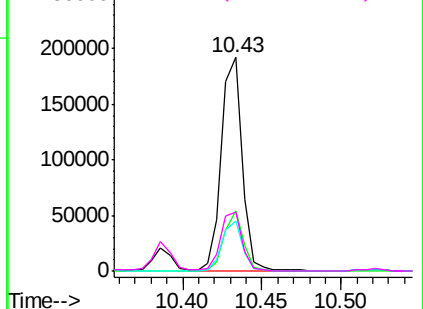


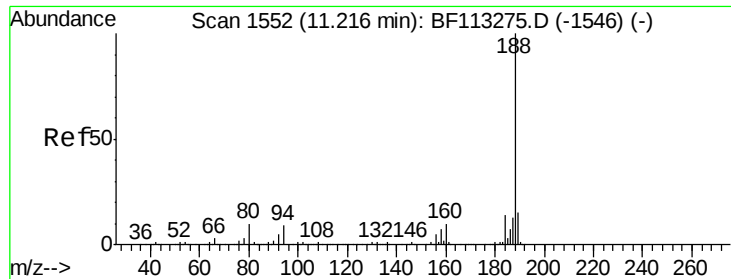
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

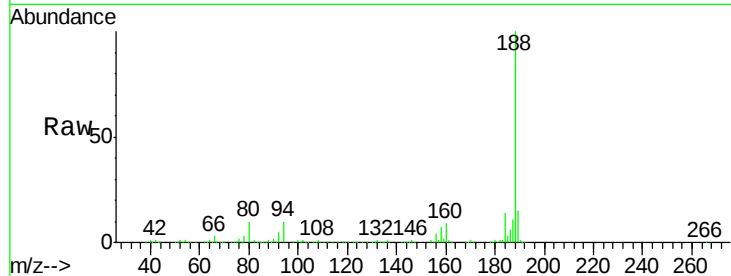
Tgt Ion:188 Resp: 593684

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

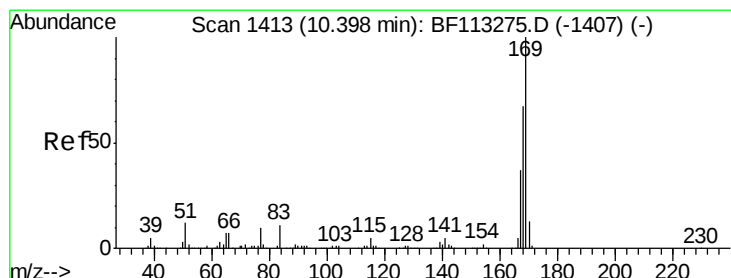
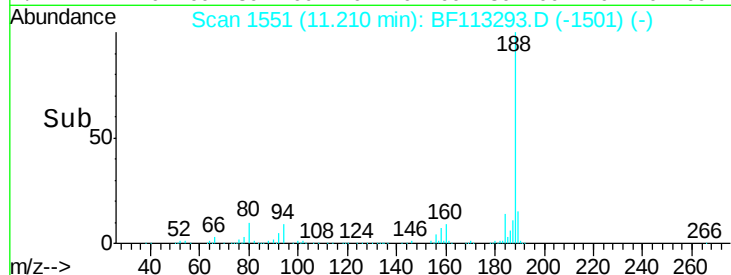
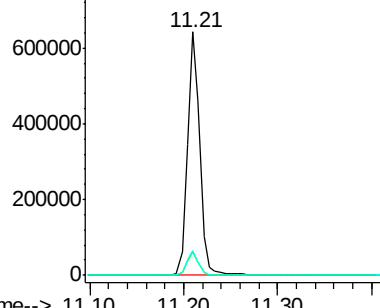
80 10.3 7.7 11.5



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



#66

n-Nitrosodiphenylamine

Concen: 8.789 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

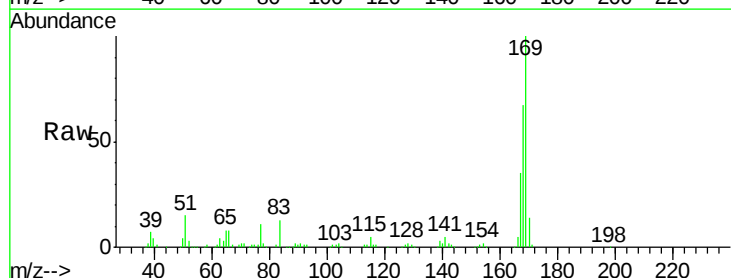
Tgt Ion:169 Resp: 160115

Ion Ratio Lower Upper

169 100

168 67.1 53.7 80.5

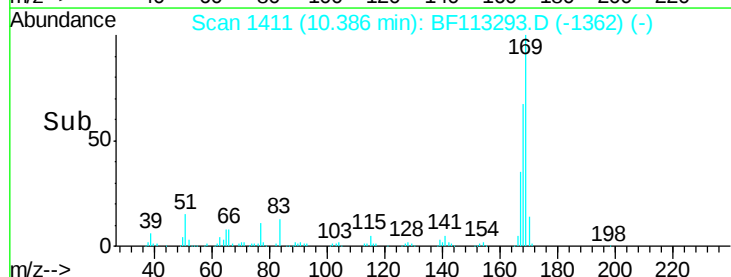
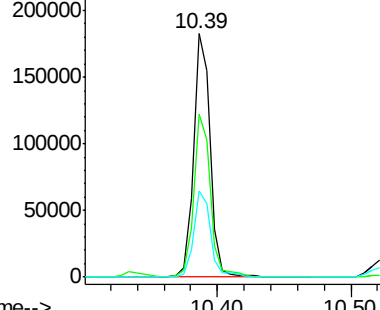
167 35.2 29.5 44.3

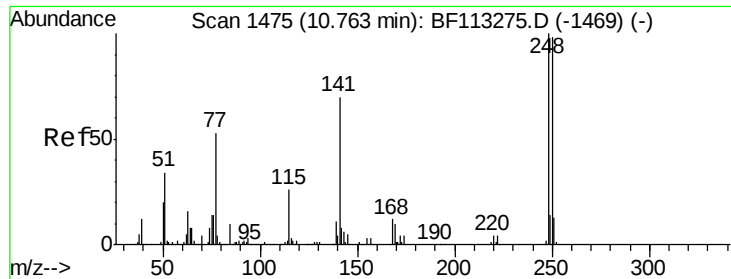


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

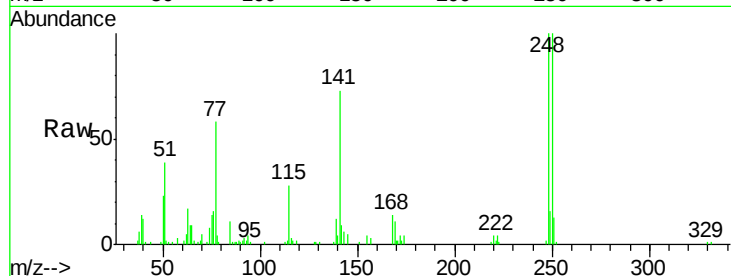




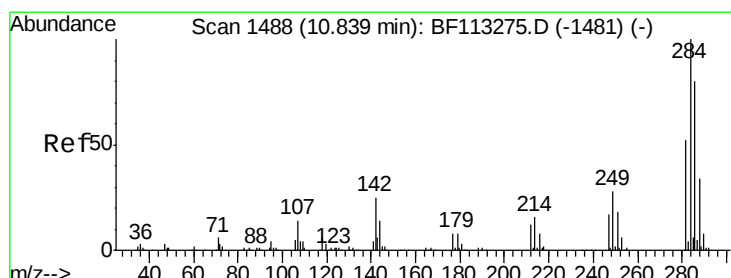
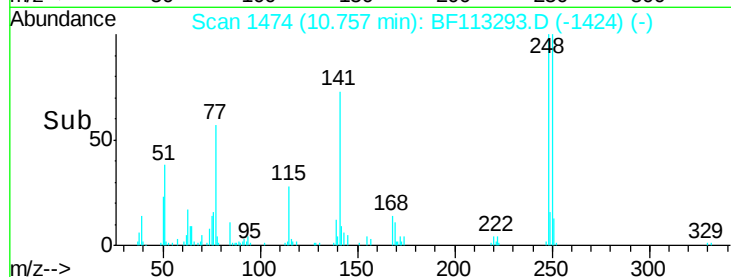
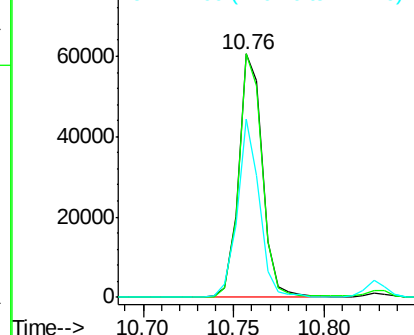
#67
4-Bromophenyl-phenylether
Concen: 8.536 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

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

Tgt Ion:248 Resp: 55232
Ion Ratio Lower Upper
248 100
250 100.2 78.3 117.5
141 73.2 56.2 84.4

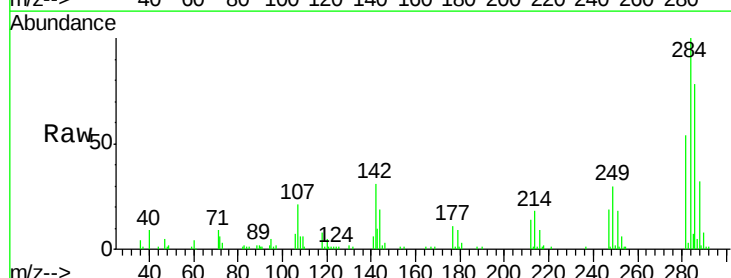


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

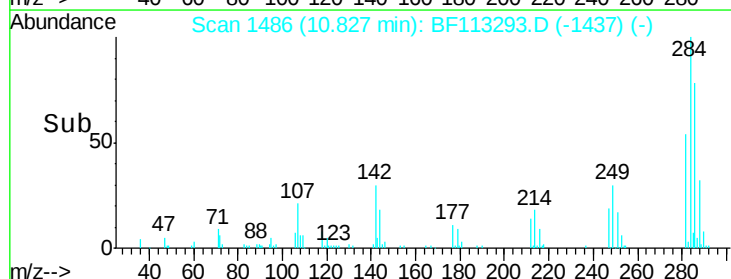
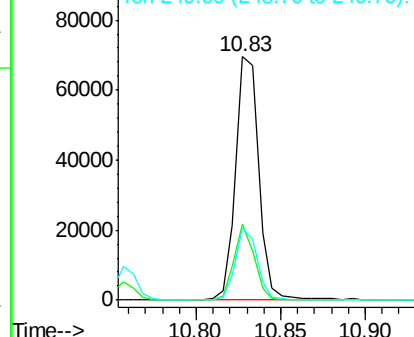


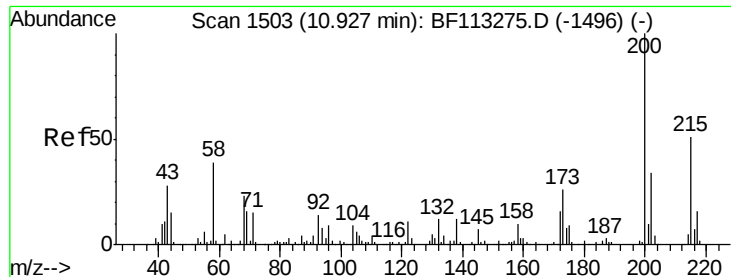
#68
Hexachlorobenzene
Concen: 8.813 ng
RT: 10.83 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:284 Resp: 66191
Ion Ratio Lower Upper
284 100
142 31.2 20.1 30.1#
249 29.9 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

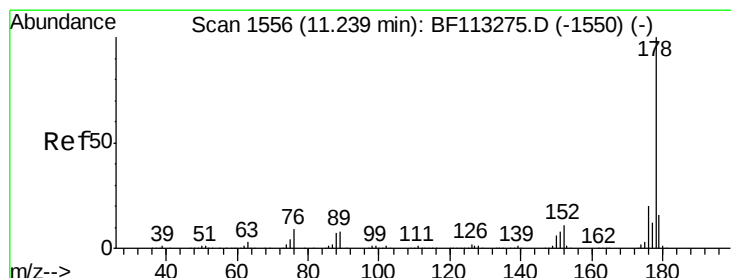
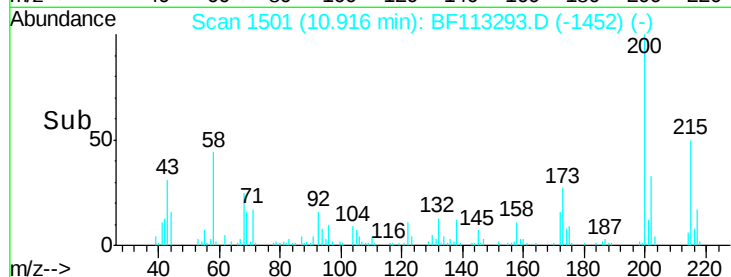
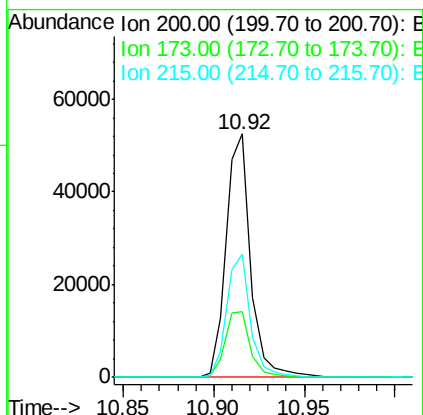
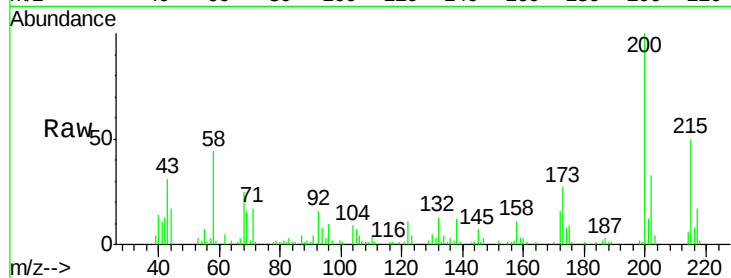




#69
 Atrazine
 Concen: 8.581 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

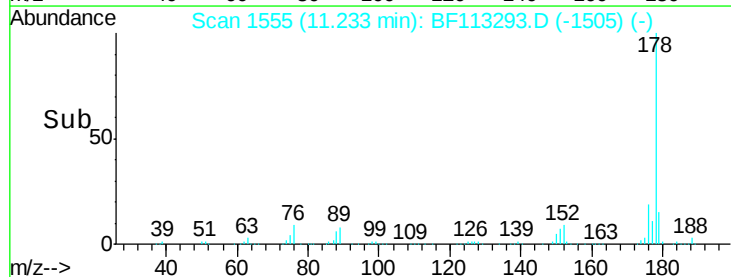
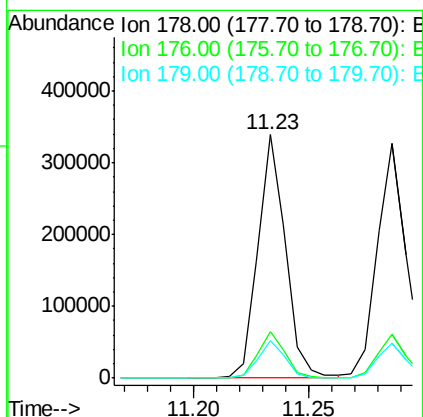
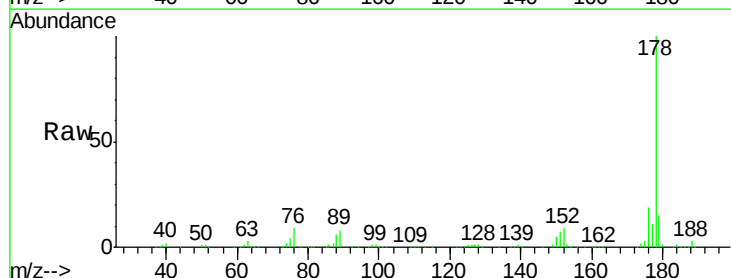
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

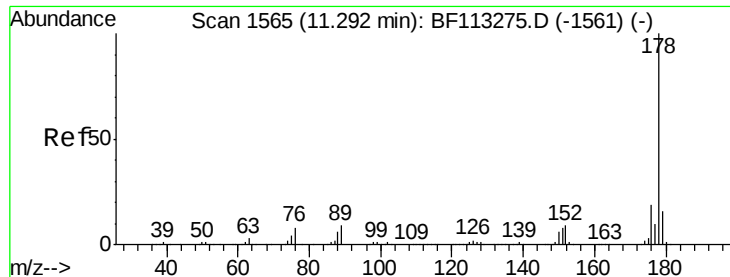
Tgt Ion: 200 Resp: 49344
 Ion Ratio Lower Upper
 200 100
 173 27.0 6.0 46.0
 215 50.5 31.3 71.3



#71
 Phenanthrene
 Concen: 9.612 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 178 Resp: 283374
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 15.5 12.7 19.1





#72

Anthracene

Concen: 9.898 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

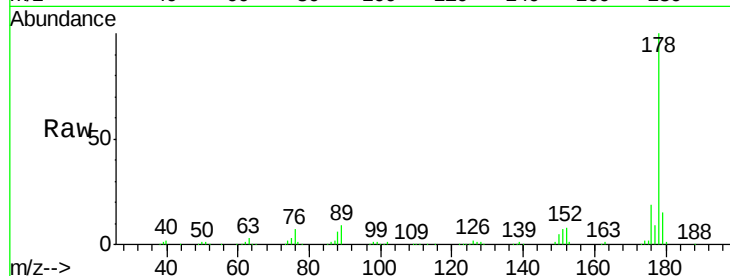
Tgt Ion:178 Resp: 296397

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

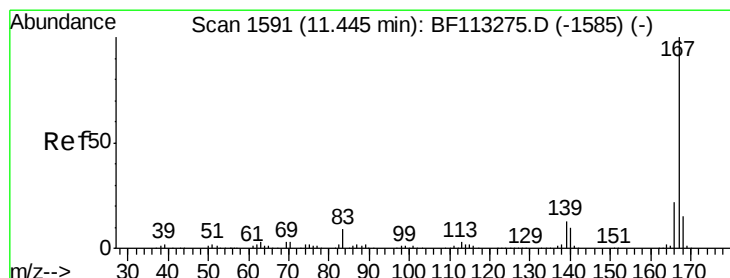
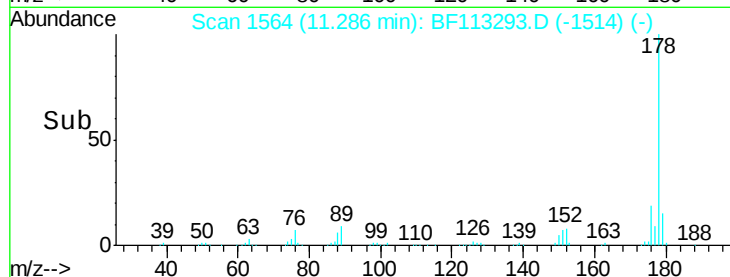
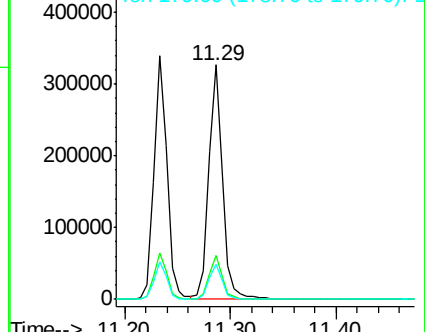
179 15.2 12.8 19.2



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: 10.093 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

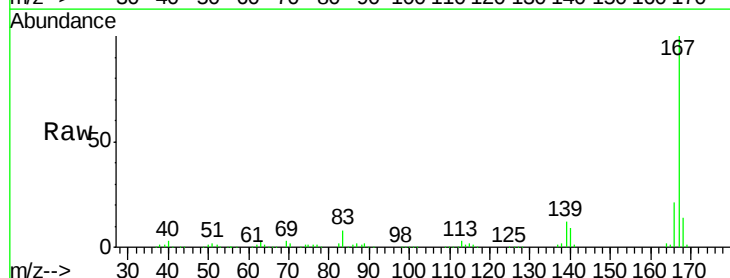
Tgt Ion:167 Resp: 288398

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

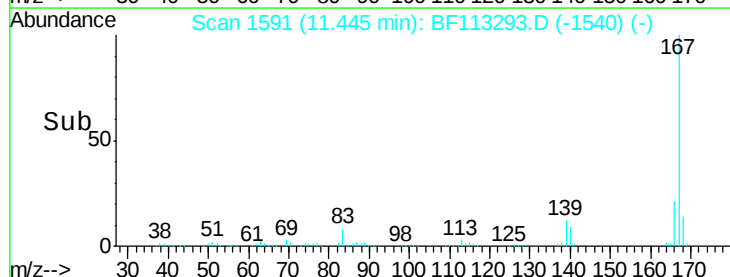
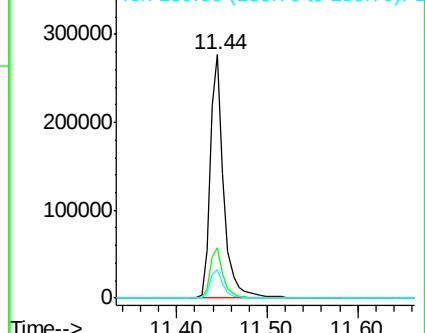
139 11.6 10.4 15.6

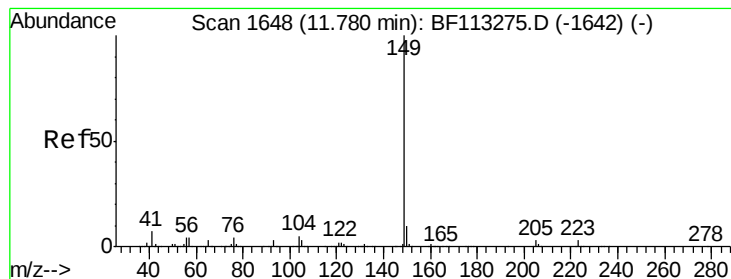


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 9.877 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

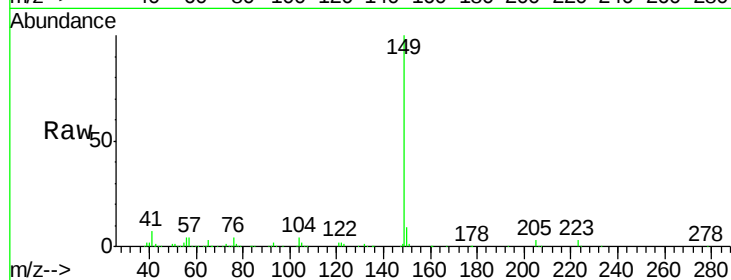
Tgt Ion:149 Resp: 327292

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

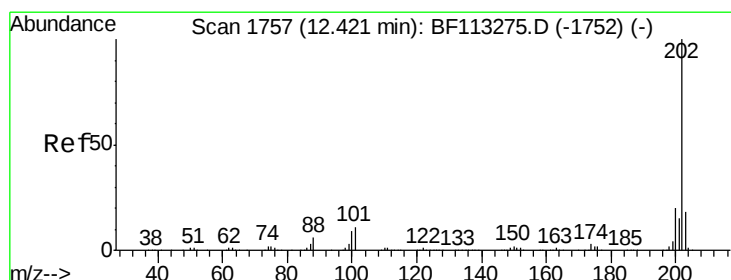
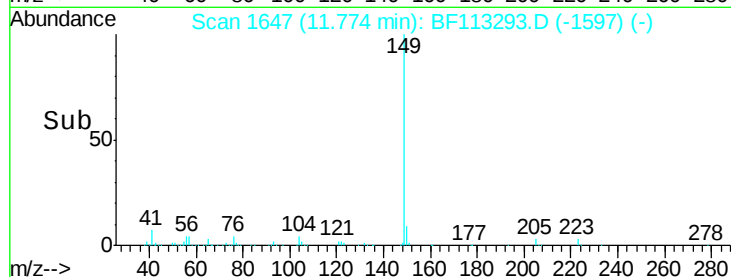
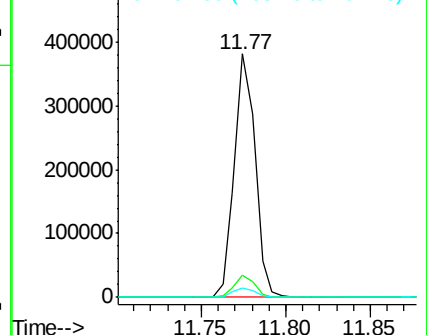
104 4.1 3.7 5.5



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: 10.324 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

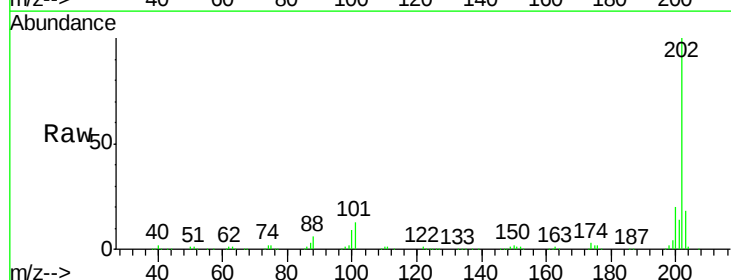
Tgt Ion:202 Resp: 344100

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

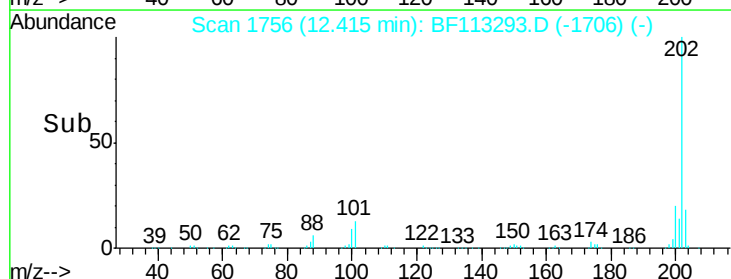
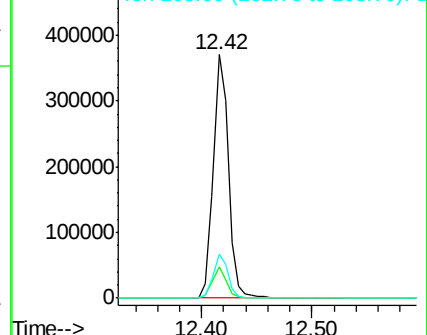
203 17.9 0.0 38.0

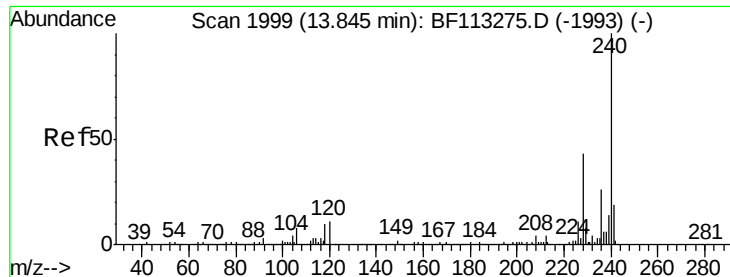


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

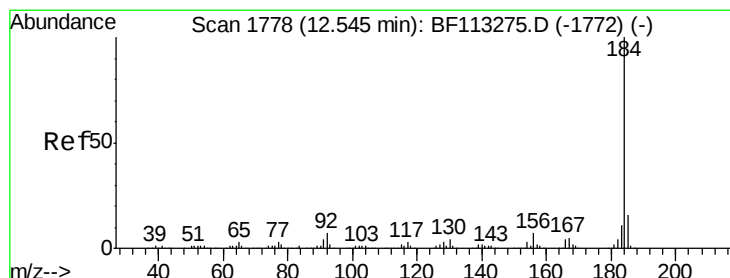
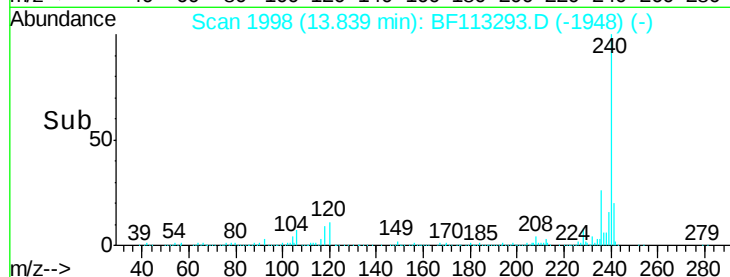
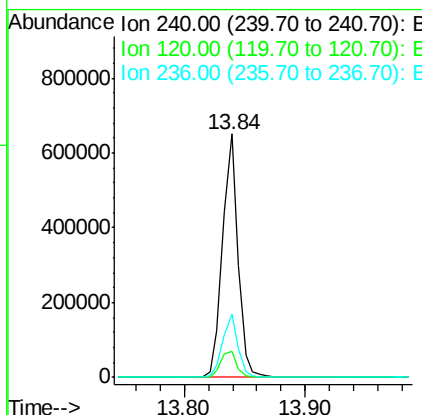
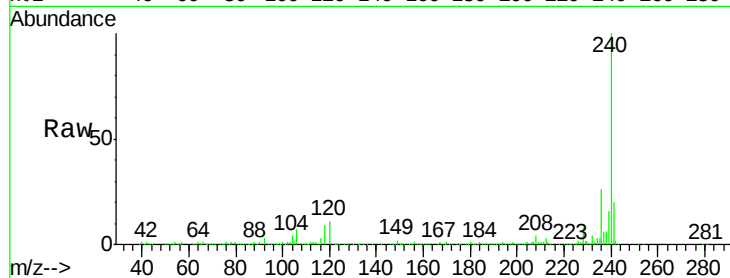




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

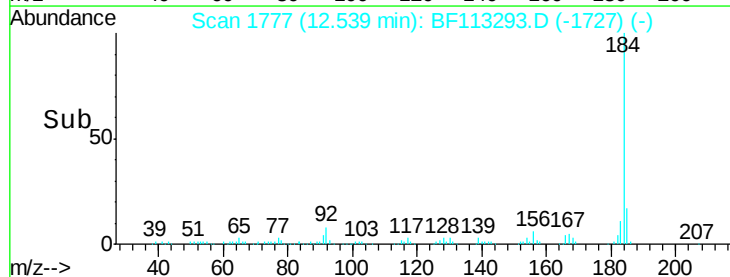
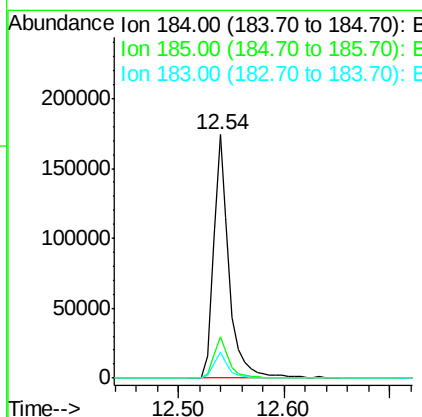
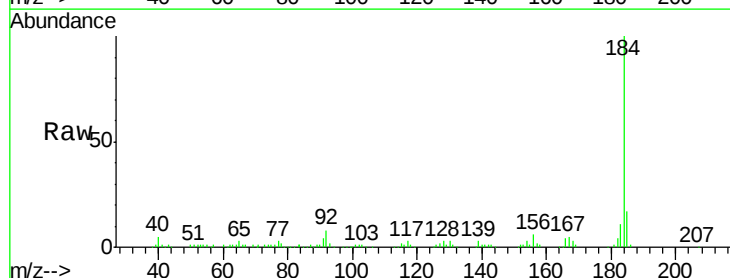
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

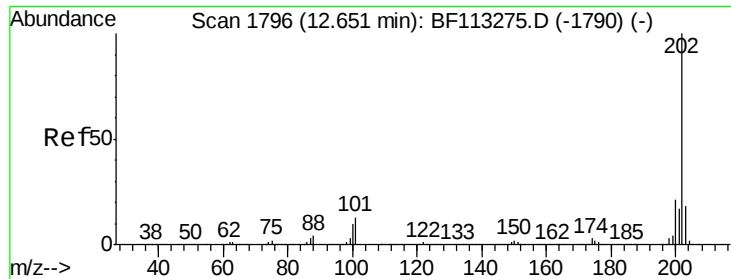
Tgt Ion:240 Resp: 575071
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 25.7 20.9 31.3



#77
Benzidine
Concen: 8.125 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:184 Resp: 178939
Ion Ratio Lower Upper
184 100
185 17.2 13.0 19.6
183 10.7 9.0 13.4

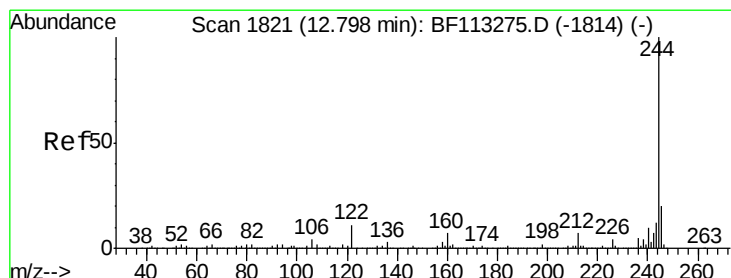
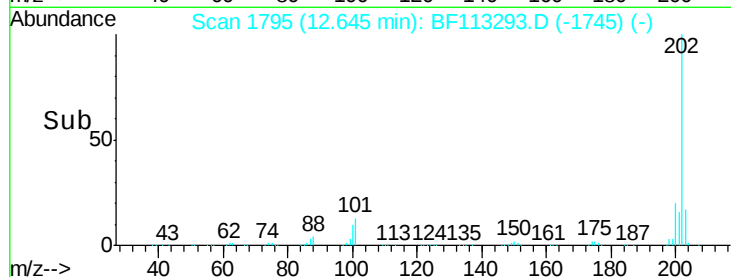
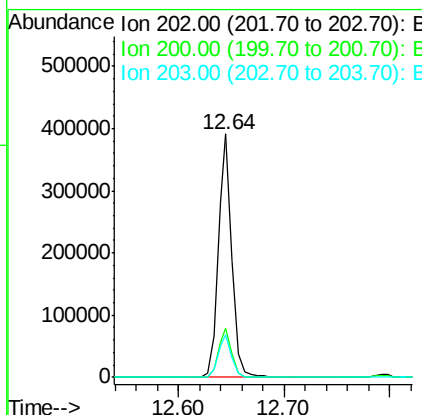
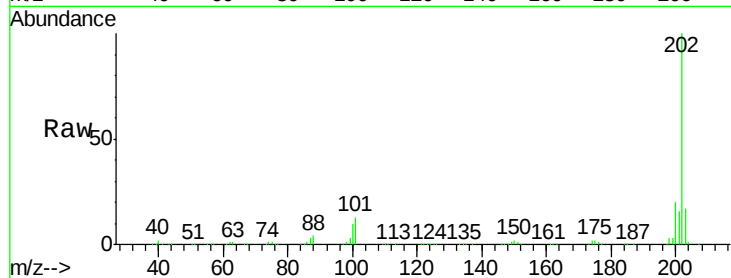




#78
Pyrene
Concen: 8.840 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

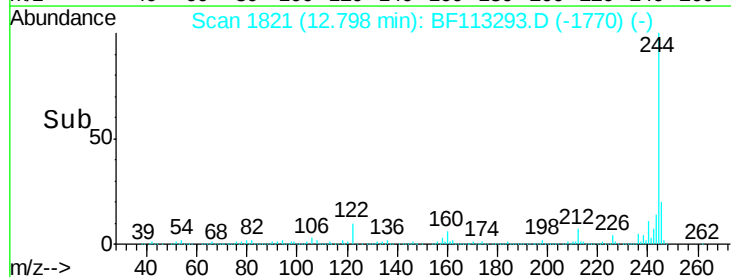
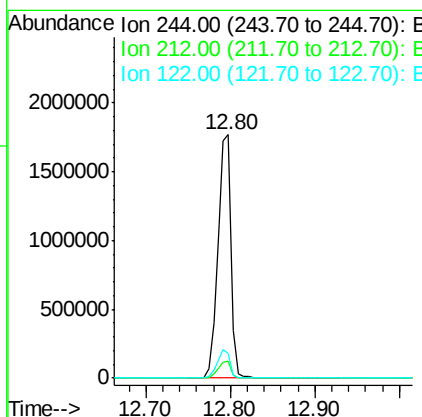
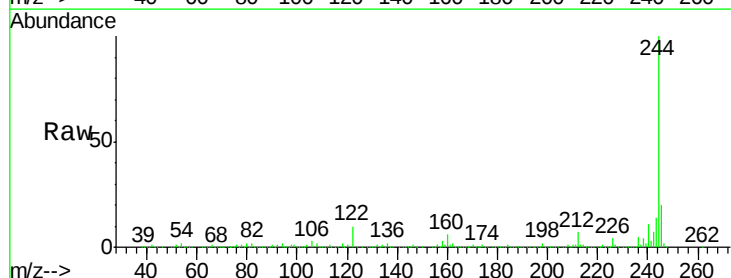
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

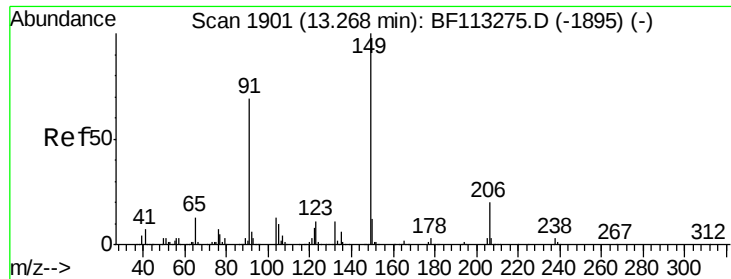
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.8	25.2
203	17.4	14.4	21.6



#79
Terphenyl-d14
Concen: 74.690 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	10.2	8.6	13.0

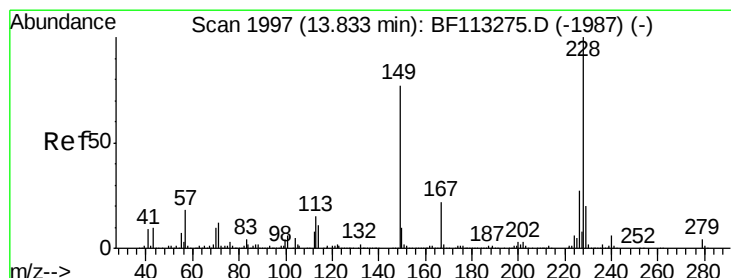
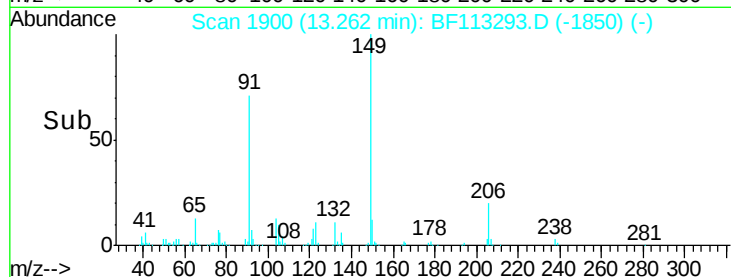
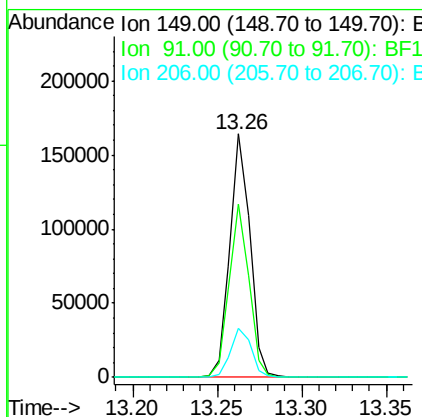
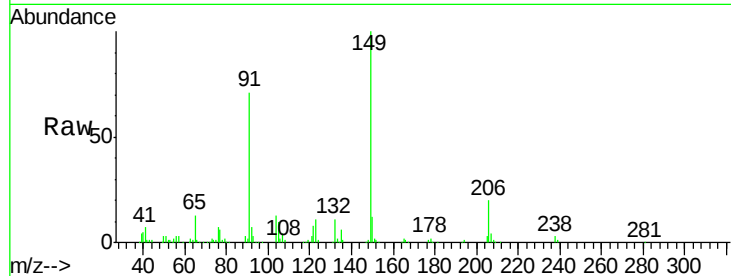




#80
Butylbenzylphthalate
Concen: 7.764 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

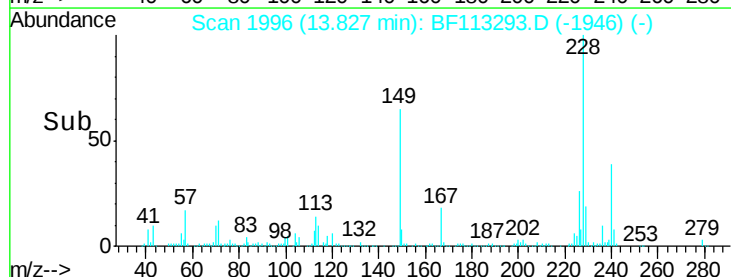
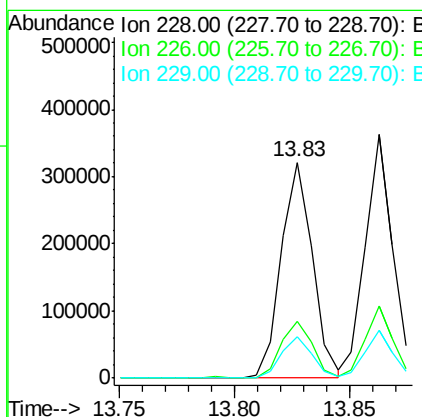
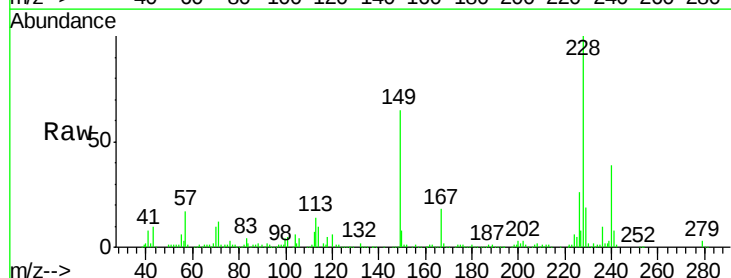
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

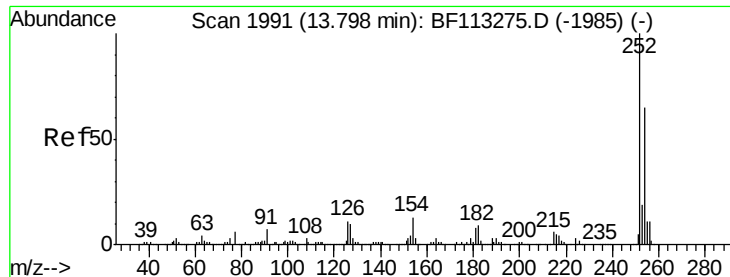
Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.2	82.8
206	20.2	16.1	24.1



#81
Benzo(a)anthracene
Concen: 9.144 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.8	32.8
229	19.4	16.2	24.4





#82

3,3'-Dichlorobenzidine

Concen: 8.857 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

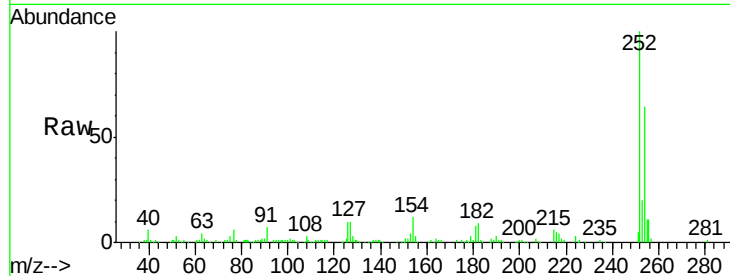
Tgt Ion:252 Resp: 116959

Ion Ratio Lower Upper

252 100

254 64.3 52.2 78.2

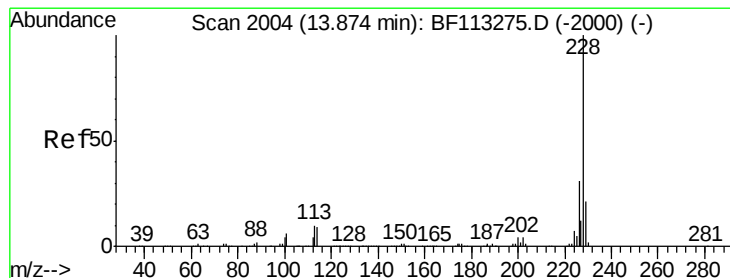
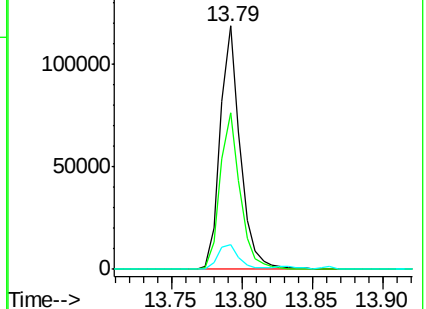
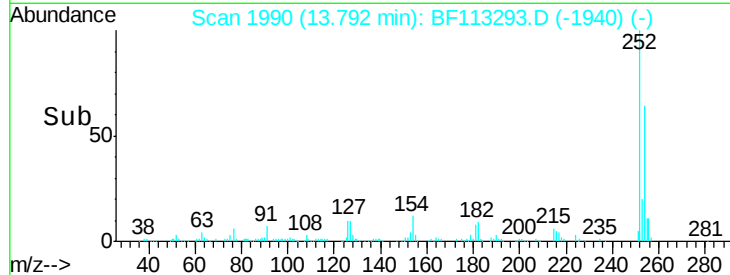
126 10.2 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 9.243 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

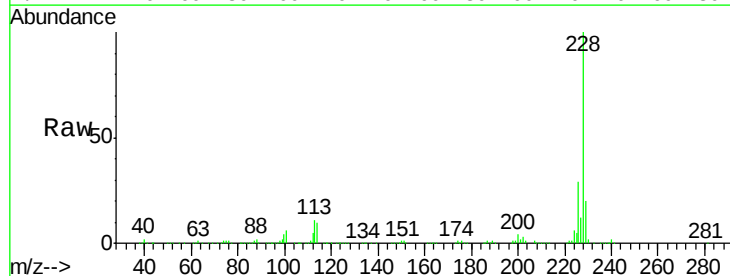
Tgt Ion:228 Resp: 309041

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

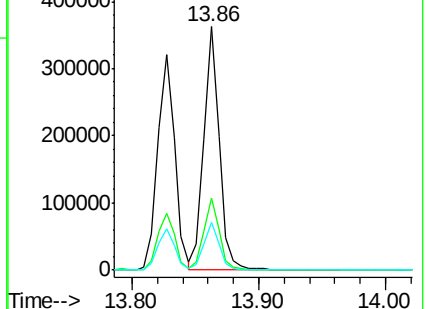
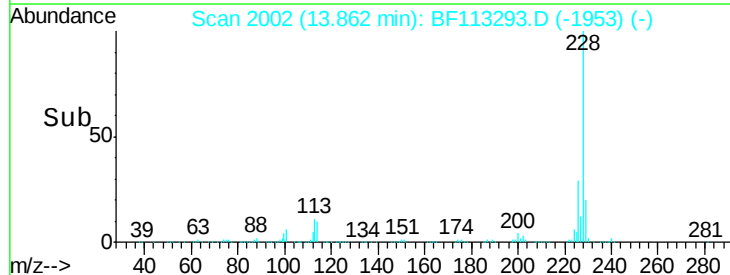
229 19.6 16.3 24.5

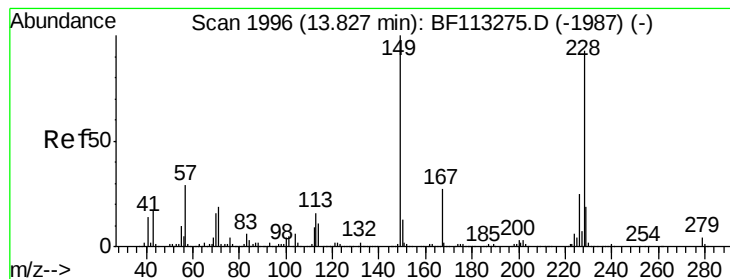


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.450 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

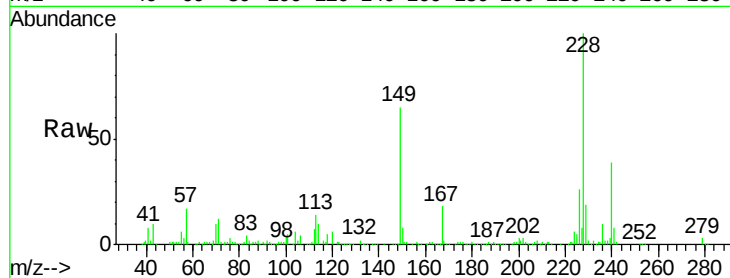
Tgt Ion:149 Resp: 181930

Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

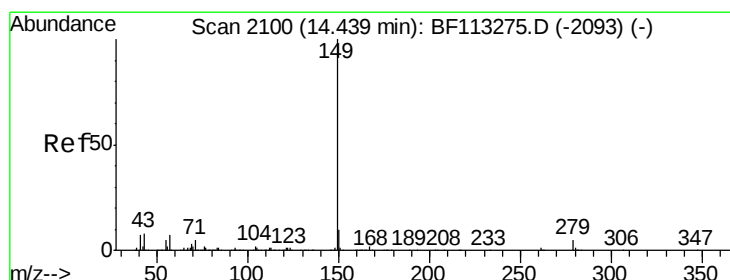
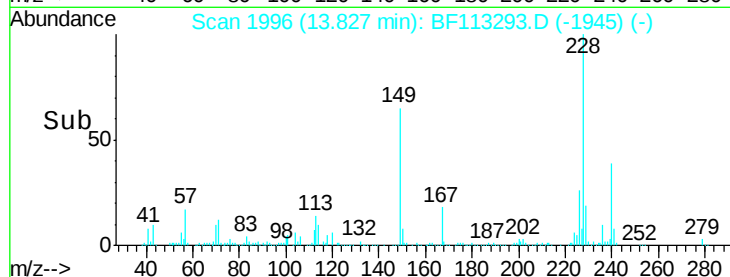
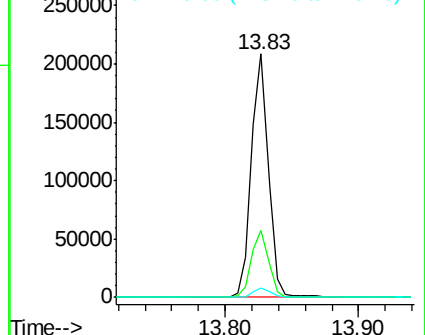
279 3.9 2.9 4.3



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: 8.739 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

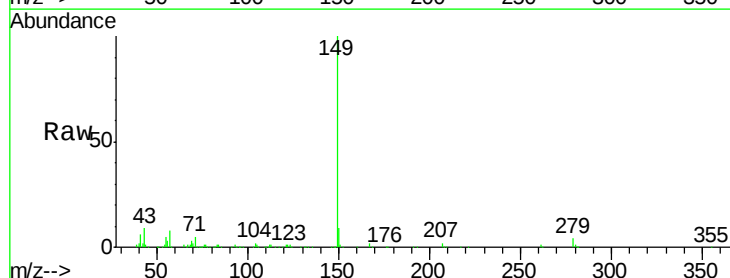
Tgt Ion:149 Resp: 319386

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

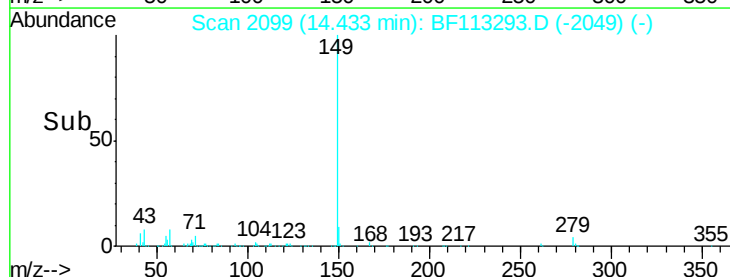
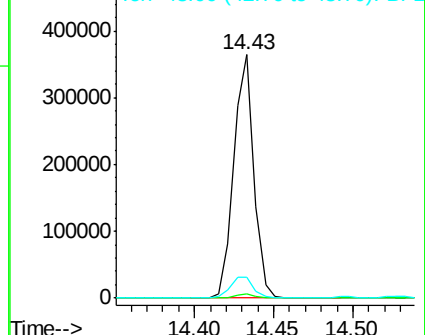
43 9.5 7.7 11.5

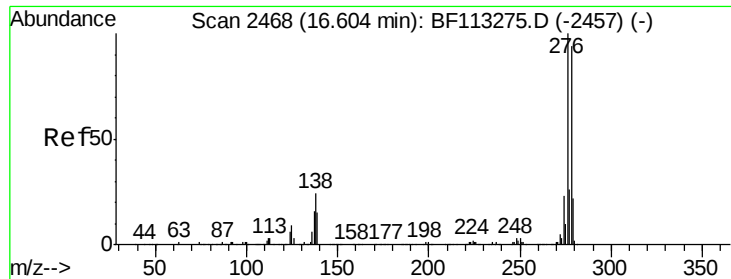


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

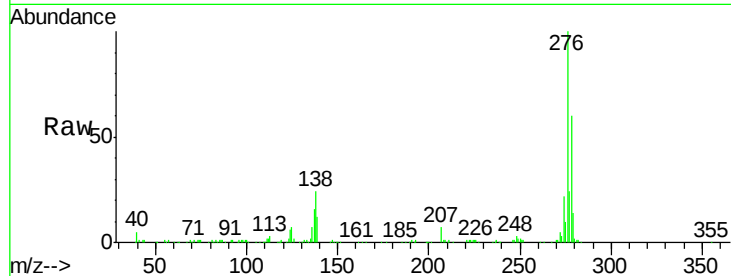




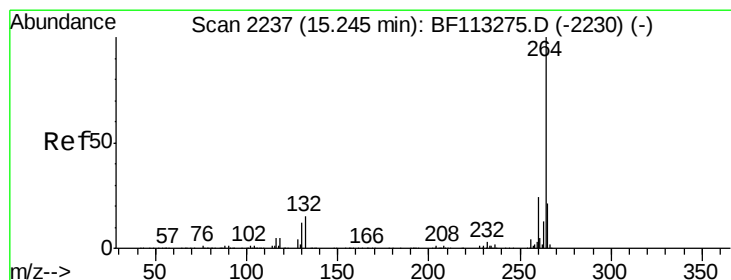
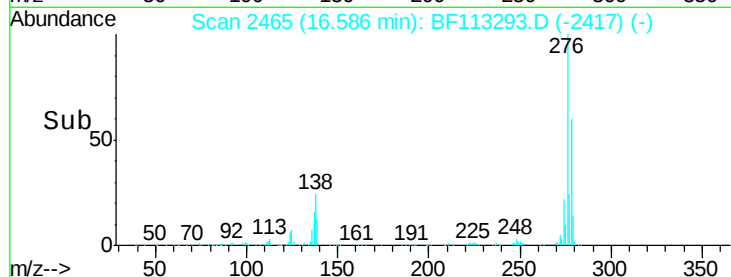
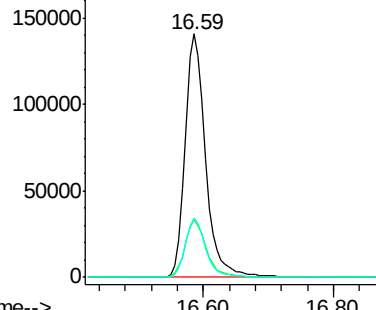
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.682 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.02 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

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

Tgt Ion: 276 Resp: 306530
 Ion Ratio Lower Upper
 276 100
 138 24.7 18.1 27.1
 277 24.4 20.2 30.4

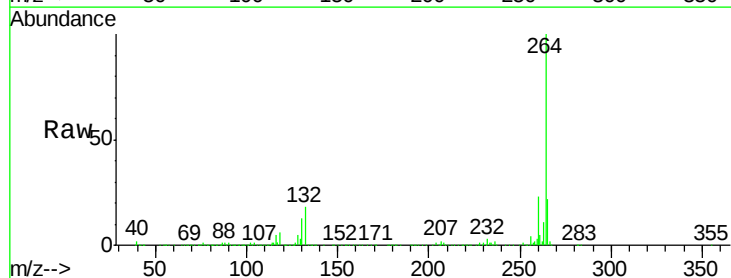


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

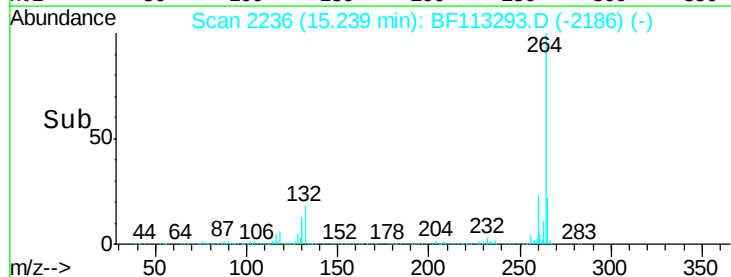
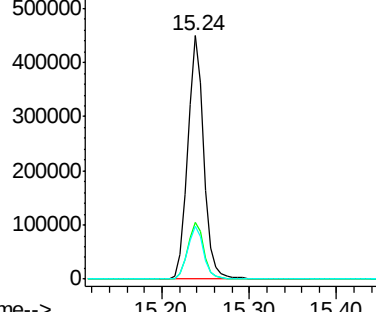


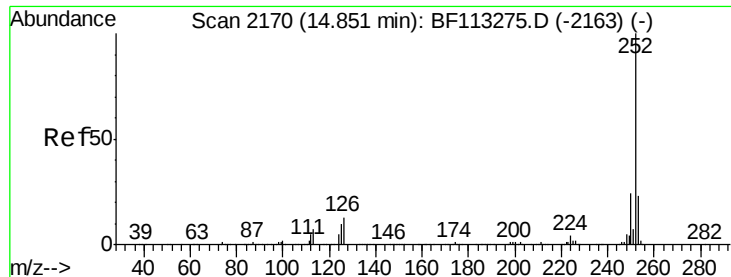
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 264 Resp: 572681
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.9 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

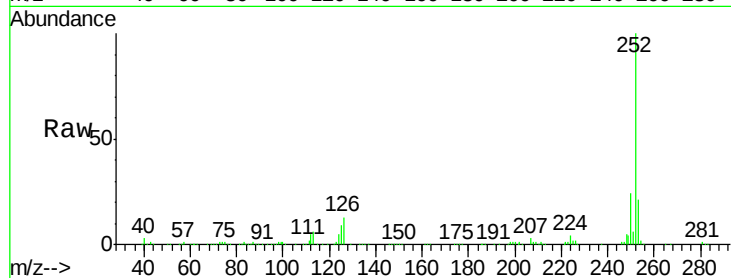




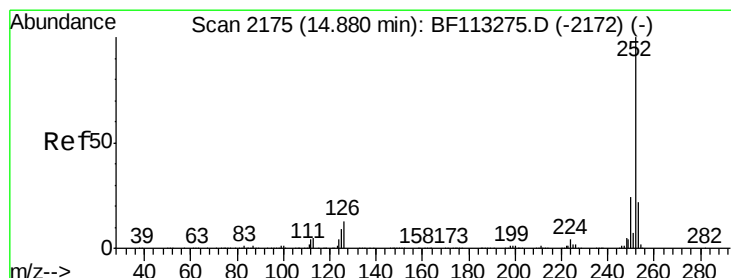
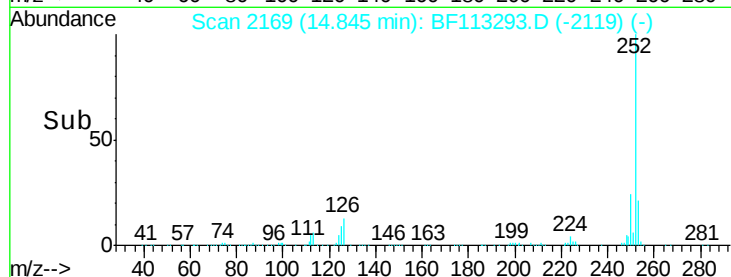
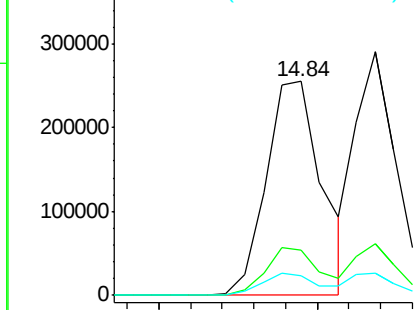
#88
Benzo(b)fluoranthene
Concen: 8.755 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

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

Tgt Ion:252 Resp: 311456
Ion Ratio Lower Upper
252 100
253 21.2 18.0 27.0
125 9.1 7.6 11.4

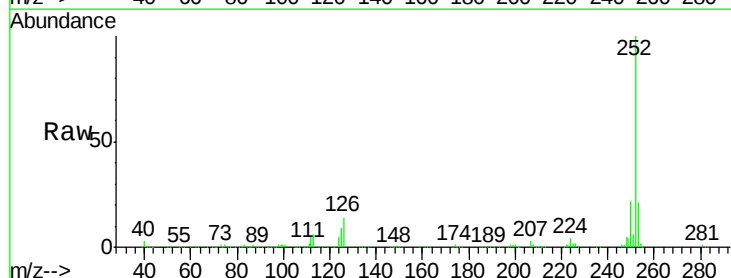


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

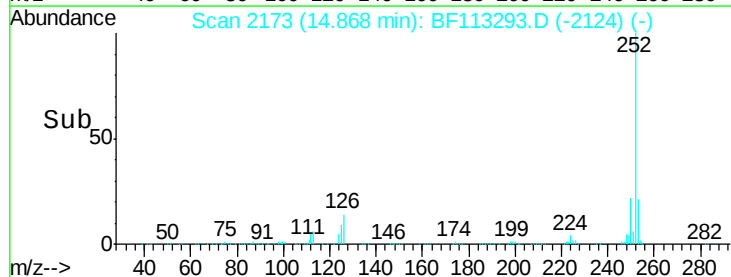
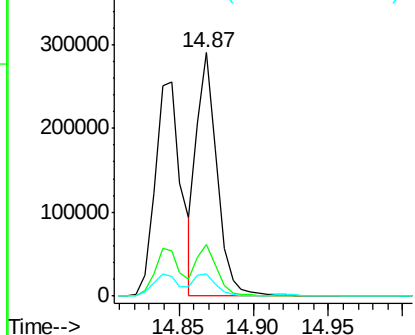


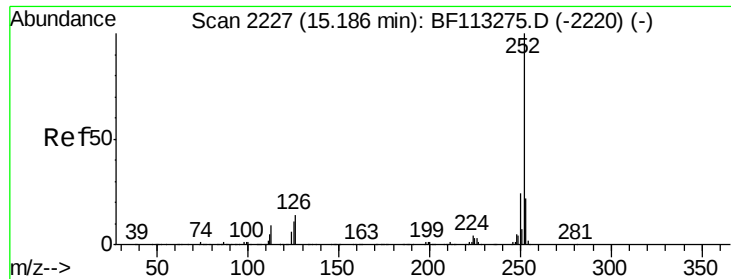
#89
Benzo(k)fluoranthene
Concen: 8.709 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:252 Resp: 272089
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 9.0 7.3 10.9



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

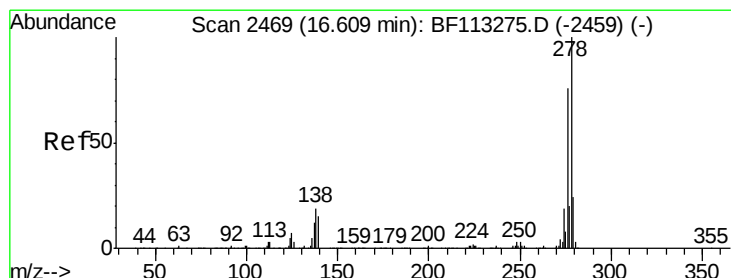
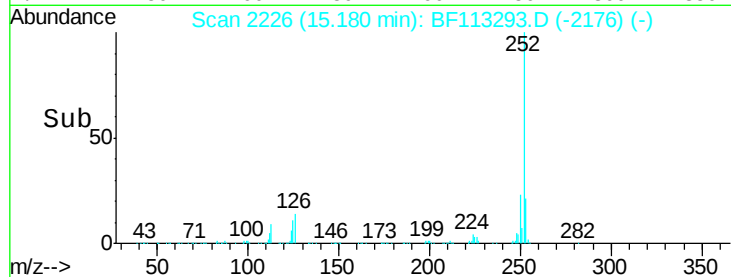
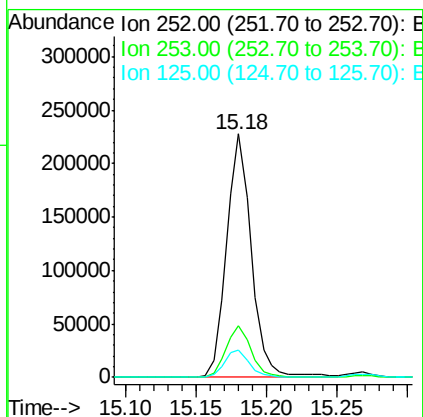
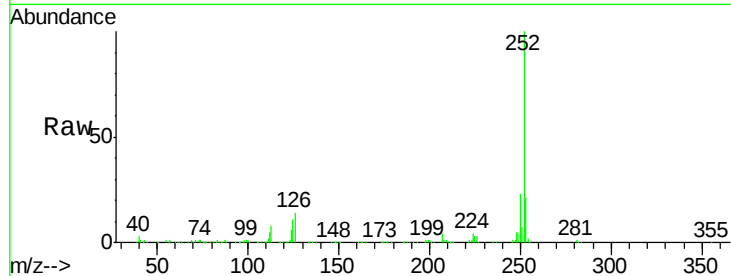




#90
Benzo(a)pyrene
Concen: 8.829 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

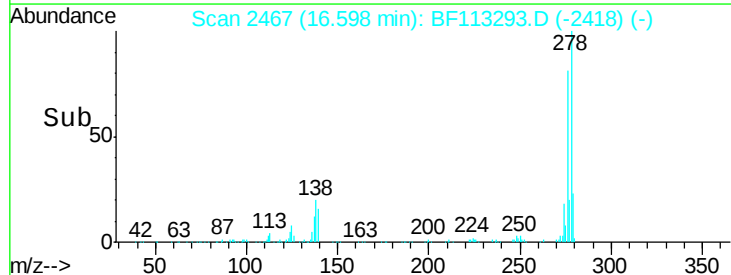
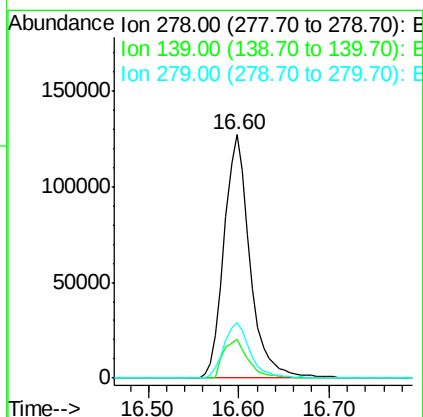
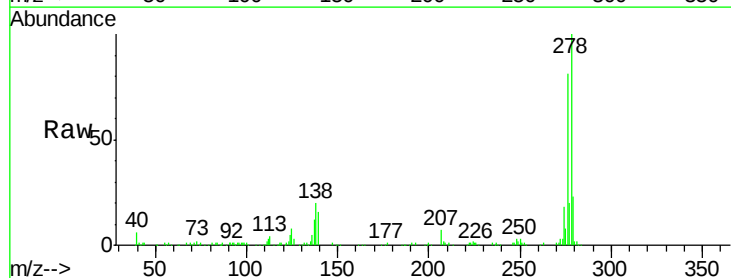
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

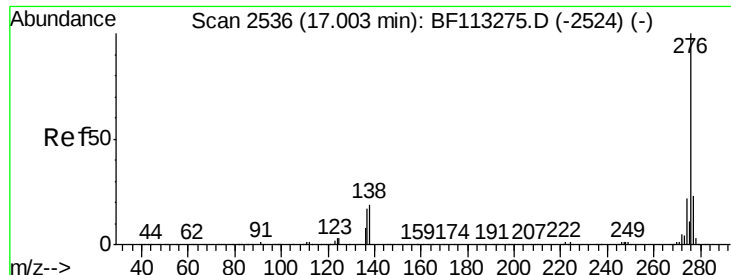
Tgt Ion: 252 Resp: 278456
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 11.1 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 9.265 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 278 Resp: 252657
Ion Ratio Lower Upper
278 100
139 15.8 12.0 18.0
279 23.0 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 8.847 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113293.D

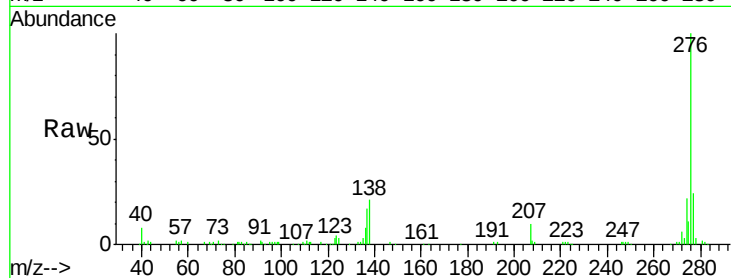
Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019



Tgt Ion:	276	Resp:	243260
Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	21.2	15.6	23.4

