

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080818\
 Data File : BF108021.D
 Acq On : 8 Aug 2018 15:59
 Operator : JU/SJ
 Sample : J3762-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Aug 08 18:22:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	271899	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1087503	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	583077	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1221918	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1056465	20.00	ng	0.00
86) Perylene-d12	15.77	264	939064	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	1911571	127.28	ng	0.01
7) Phenol-d6	6.63	99	2542120	127.38	ng	0.00
23) Nitrobenzene-d5	7.58	82	1660143	85.18	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	803796	138.20	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2991055	82.36	ng	0.00
78) Terphenyl-d14	13.15	244	3534741	85.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	58604	7.594	ng	# 89
3) Pyridine	3.73	79	160187	8.058	ng	# 82
4) n-Nitrosodimethylamine	3.65	42	90404	8.082	ng	# 76
6) Aniline	6.68	93	151318	5.574	ng	95
8) 2-Chlorophenol	6.80	128	143224	8.467	ng	87
9) Benzaldehyde	6.57	77	117563	7.598	ng	94
10) Phenol	6.64	94	168531	8.164	ng	95
11) bis(2-Chloroethyl)ether	6.74	93	140108	8.395	ng	89
12) 1,3-Dichlorobenzene	6.95	146	171305	8.759	ng	98
13) 1,4-Dichlorobenzene	7.03	146	168420	8.571	ng	99
14) 1,2-Dichlorobenzene	7.18	146	153393	8.392	ng	98
15) Benzyl Alcohol	7.14	79	83949	4.997	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.28	45	289927	8.433	ng	96
17) 2-Methylphenol	7.24	107	124405	8.577	ng	# 94
18) Hexachloroethane	7.53	117	58467	8.358	ng	# 85
19) n-Nitroso-di-n-propylamine	7.41	70	114592	8.491	ng	# 86
20) 3+4-Methylphenols	7.40	107	162516	8.743	ng	93
22) Acetophenone	7.41	105	216429	8.511	ng	# 92
24) Nitrobenzene	7.59	77	169480	8.600	ng	91
25) Isophorone	7.82	82	304275	8.191	ng	98
26) 2-Nitrophenol	7.91	139	53561	7.197	ng	97
27) 2,4-Dimethylphenol	7.93	122	140896	8.546	ng	99
28) bis(2-Chloroethoxy)methane	8.03	93	186022	8.578	ng	99
29) 2,4-Dichlorophenol	8.14	162	125427	8.267	ng	97
30) 1,2,4-Trichlorobenzene	8.23	180	143146	8.557	ng	96
31) Naphthalene	8.32	128	441927	8.936	ng	99
32) Benzoic acid	7.98	122	38275	9.477	ng	94
33) 4-Chloroaniline	8.36	127	125615	5.828	ng	97
34) Hexachlorobutadiene	8.43	225	90803	8.575	ng	95
35) Caprolactam	8.70	113	36961	7.774	ng	# 73
36) 4-Chloro-3-methylphenol	8.82	107	136535	8.342	ng	94
37) 2-Methylnaphthalene	9.01	142	309084	8.833	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	151303	8.450	ng	98
40) Hexachlorocyclopentadiene	9.16	237	86521	7.481	ng	97

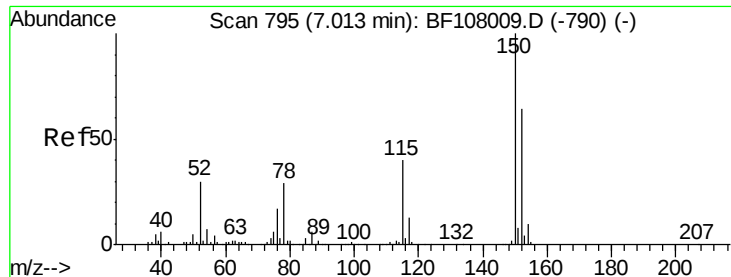
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	81588	7.343	ng	95
43) 2,4,5-Trichlorophenol	9.32	196	97697	7.987	ng	95
45) 1,1'-Biphenyl	9.47	154	382734	8.903	ng	100
46) 2-Chloronaphthalene	9.50	162	297205	8.747	ng	97
47) 2-Nitroaniline	9.59	65	91060	8.283	ng	# 80
48) Acenaphthylene	9.92	152	490875	9.138	ng	99
49) Dimethylphthalate	9.77	163	353272	8.698	ng	100
50) 2,6-Dinitrotoluene	9.83	165	70098	8.249	ng	# 84
51) Acenaphthene	10.10	154	286153	8.697	ng	98
52) 3-Nitroaniline	10.00	138	65620	7.058	ng	96
53) 2,4-Dinitrophenol	10.10	184	12239	10.531	ng	# 1
54) Dibenzofuran	10.27	168	435260	9.131	ng	100
55) 4-Nitrophenol	10.14	139	52041	7.392	ng	86
56) 2,4-Dinitrotoluene	10.24	165	91468	8.362	ng	96
57) Fluorene	10.61	166	341895	9.061	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	76766	7.509	ng	94
59) Diethylphthalate	10.47	149	346356	8.806	ng	96
60) 4-Chlorophenyl-phenylether	10.60	204	175213	8.911	ng	91
61) 4-Nitroaniline	10.61	138	74584	8.114	ng	92
62) Azobenzene	10.76	77	363143	8.941	ng	93
64) 4,6-Dinitro-2-methylphenol	10.64	198	23111	9.834	ng	95
65) n-Nitrosodiphenylamine	10.72	169	313897	8.693	ng	94
66) 4-Bromophenyl-phenylether	11.10	248	112946	8.506	ng	# 85
67) Hexachlorobenzene	11.16	284	119903	8.582	ng	# 87
68) Atrazine	11.24	200	101090	8.347	ng	97
69) Pentachlorophenol	11.35	266	41923	6.269	ng	96
70) Phenanthrene	11.58	178	530083	9.197	ng	99
71) Anthracene	11.63	178	548225	9.281	ng	100
72) Carbazole	11.78	167	474614	9.043	ng	99
73) Di-n-butylphthalate	12.11	149	549942	9.251	ng	99
74) Fluoranthene	12.78	202	585822	9.314	ng	94
76) Benzidine	13.15	184	58184	1.474	ng	98
77) Pyrene	13.01	202	589781	8.818	ng	99
79) Butylbenzylphthalate	13.62	149	209987	7.906	ng	# 94
80) Benzo(a)anthracene	14.20	228	523073	8.627	ng	99
81) 3,3'-Dichlorobenzidine	14.16	252	99332	4.572	ng	# 96
82) Chrysene	14.24	228	491848	8.849	ng	99
83) Bis(2-ethylhexyl)phthalate	14.17	149	305179	8.485	ng	99
84) Di-n-octyl phthalate	14.80	149	464664	8.471	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.38	276	388494	8.066	ng	# 92
87) Benzo(b)fluoranthene	15.29	252	466828	8.319	ng	98
88) Benzo(k)fluoranthene	15.33	252	441629	8.562	ng	# 96
89) Benzo(a)pyrene	15.70	252	422272	8.404	ng	# 97
90) Dibenzo(a,h)anthracene	17.40	278	322838	7.765	ng	# 93
91) Benzo(g,h,i)perylene	17.87	276	314059	7.672	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.01 min Scan# 795

Delta R.T. 0.00 min

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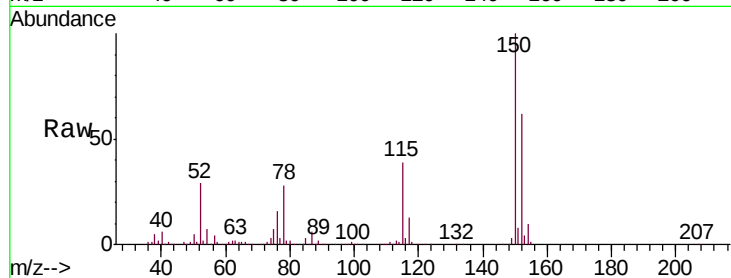
Tgt Ion:152 Resp: 271899

Ion Ratio Lower Upper

152 100

150 160.2 124.6 186.8

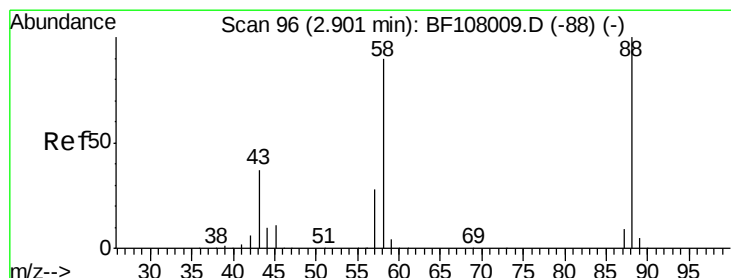
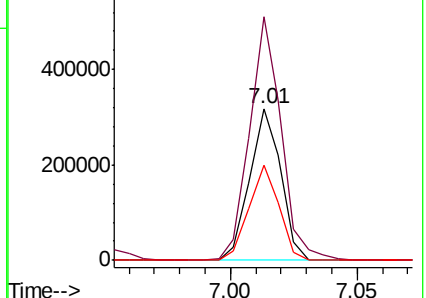
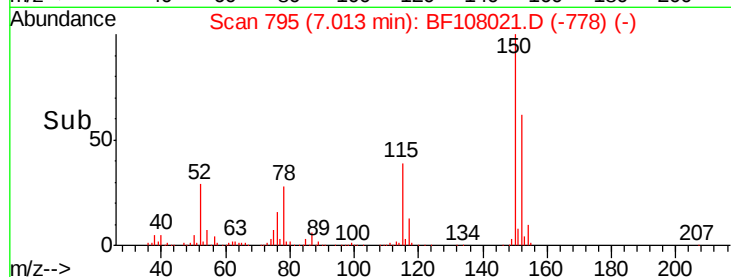
115 62.9 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 7.594 ng

RT: 2.95 min Scan# 104

Delta R.T. 0.05 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

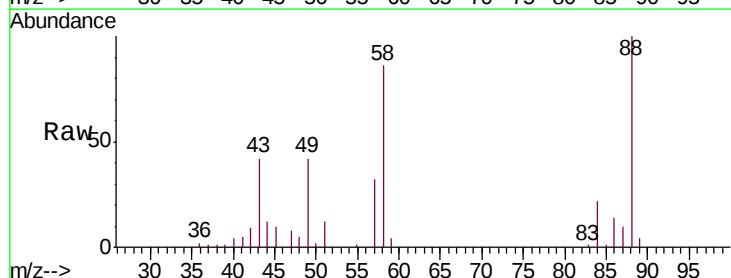
Tgt Ion: 88 Resp: 58604

Ion Ratio Lower Upper

88 100

58 87.4 62.6 93.8

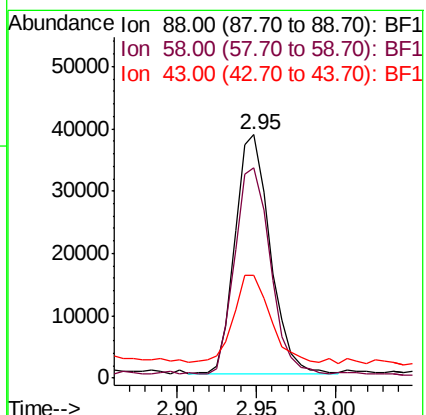
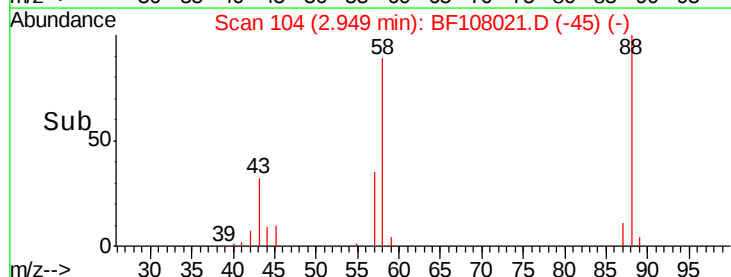
43 37.1 24.6 37.0#

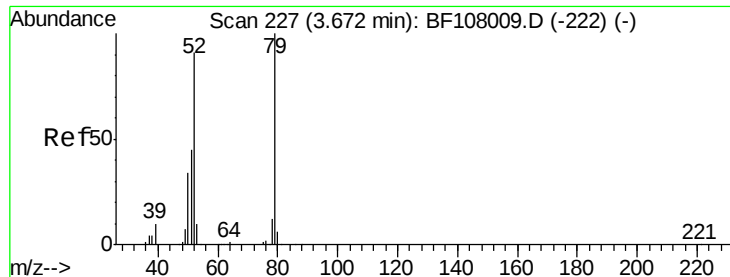


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 8.058 ng

RT: 3.73 min Scan# 237

Delta R.T. 0.06 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

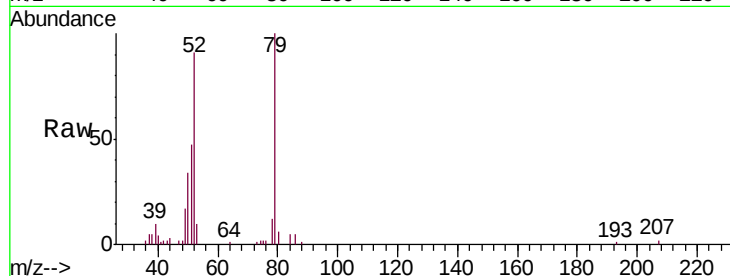
Tgt Ion: 79 Resp: 160187

Ion Ratio Lower Upper

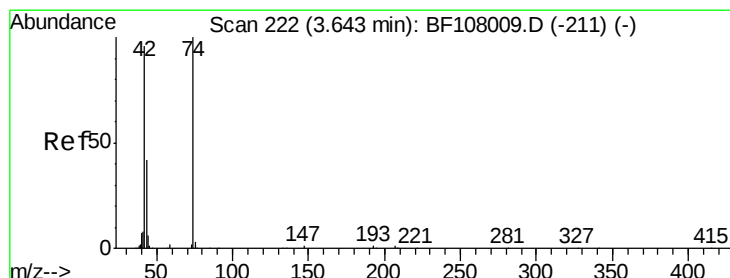
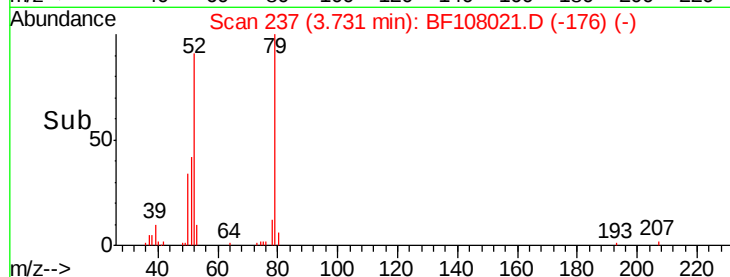
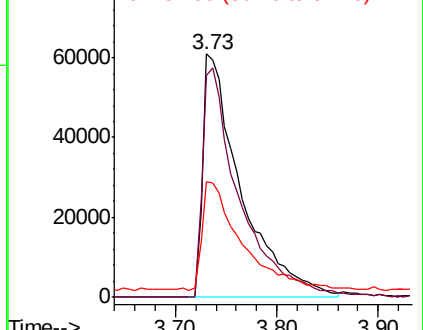
79 100

52 90.9 59.8 89.6#

51 47.4 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 8.082 ng

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

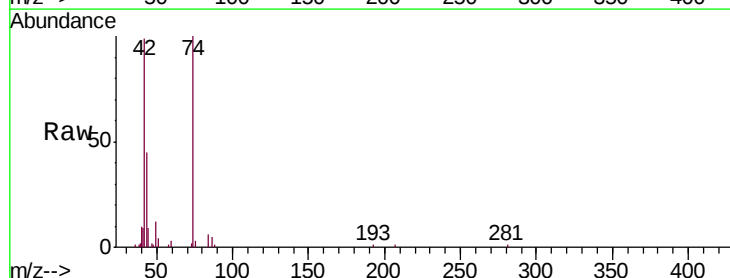
Tgt Ion: 42 Resp: 90404

Ion Ratio Lower Upper

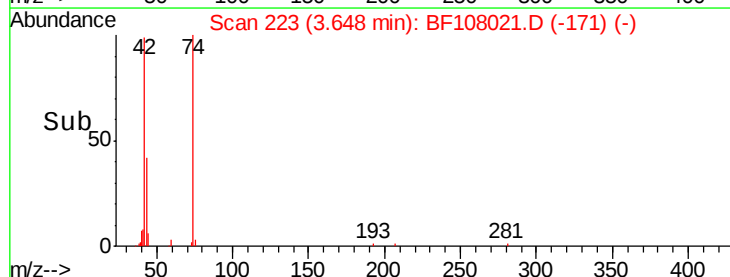
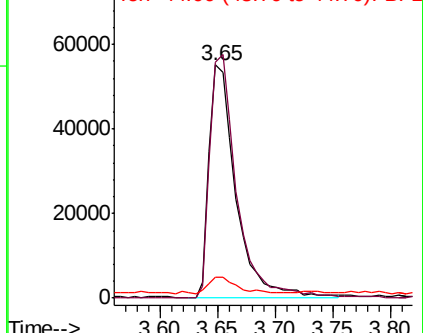
42 100

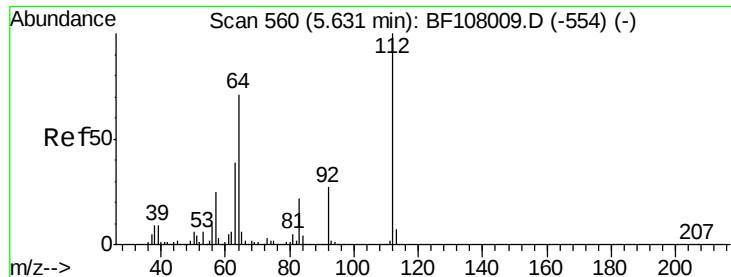
74 101.4 104.9 157.3#

44 8.8 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 127.283 ng

RT: 5.64 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

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LOD-MDL-SOIL-01-QT3-2018

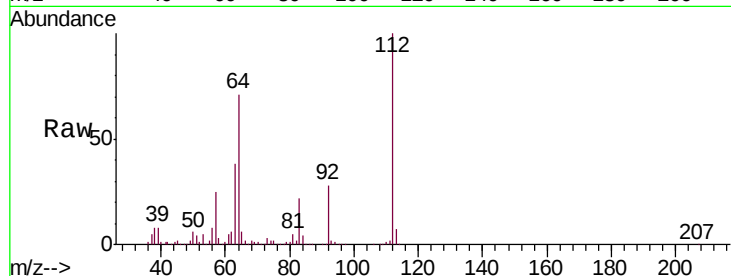
Tgt Ion:112 Resp: 1911571

Ion Ratio Lower Upper

112 100

64 71.2 47.9 71.9

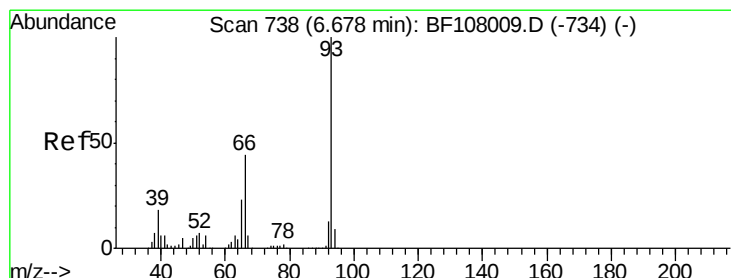
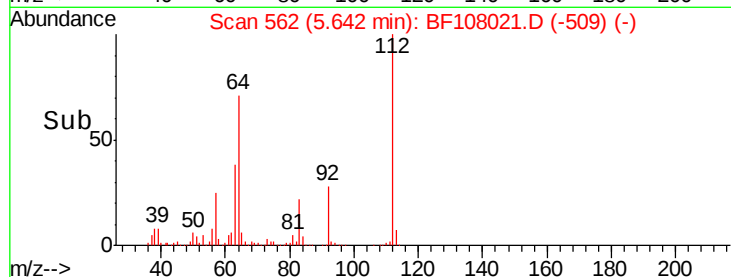
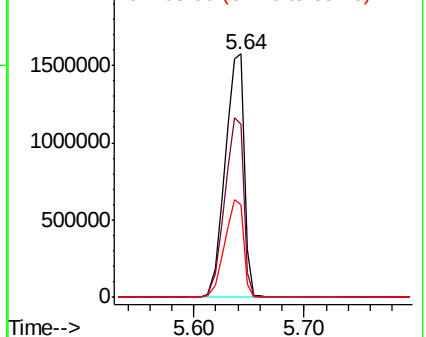
63 38.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 5.574 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

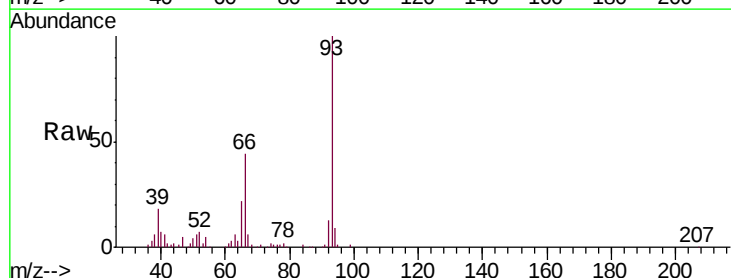
Tgt Ion: 93 Resp: 151318

Ion Ratio Lower Upper

93 100

66 43.9 32.2 48.2

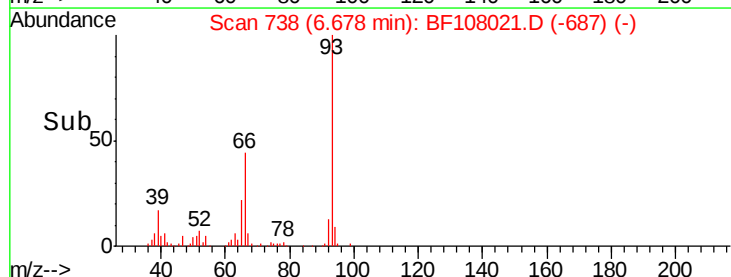
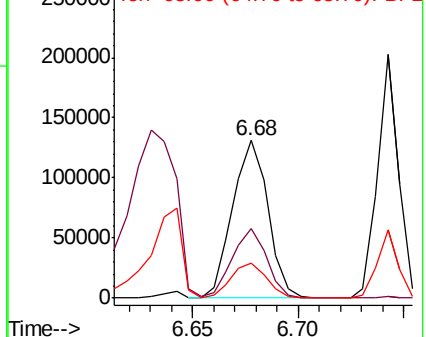
65 21.9 16.4 24.6

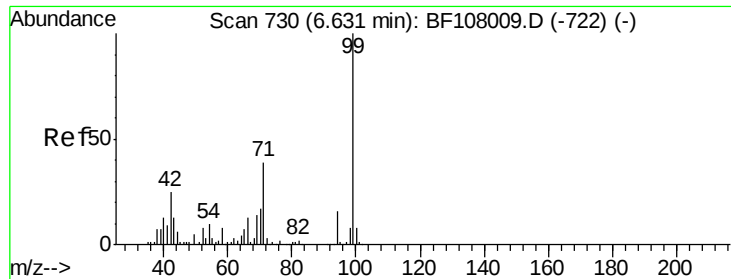


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 127.378 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108021.D

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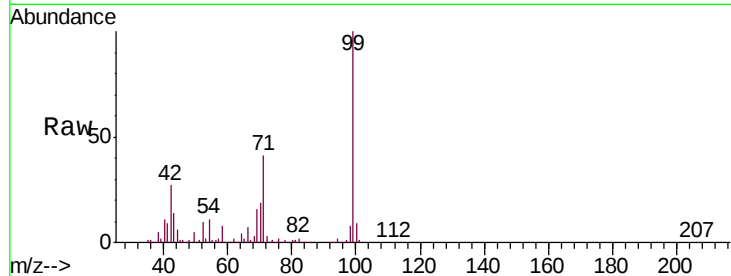
Tgt Ion: 99 Resp: 2542120

Ion Ratio Lower Upper

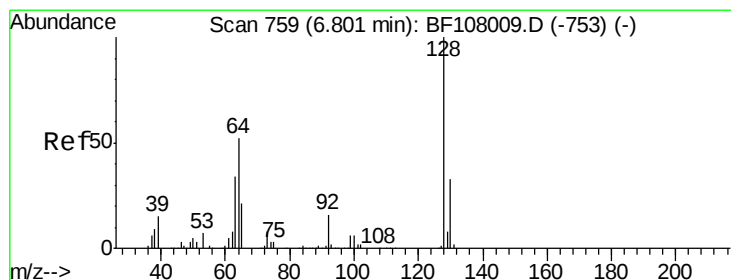
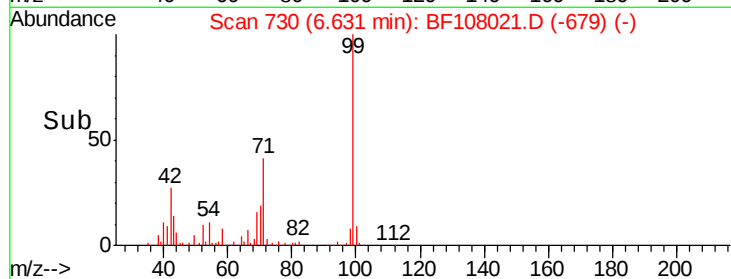
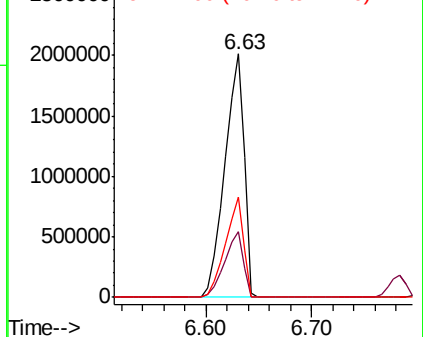
99 100

42 27.2 14.5 21.7#

71 41.2 25.4 38.0#



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: 8.467 ng

RT: 6.80 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

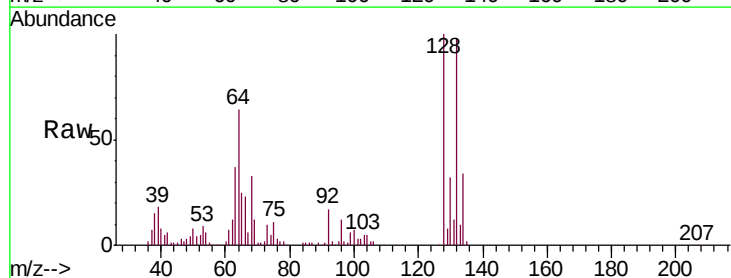
Tgt Ion: 128 Resp: 143224

Ion Ratio Lower Upper

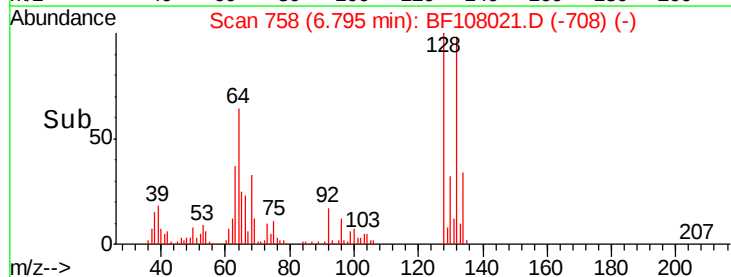
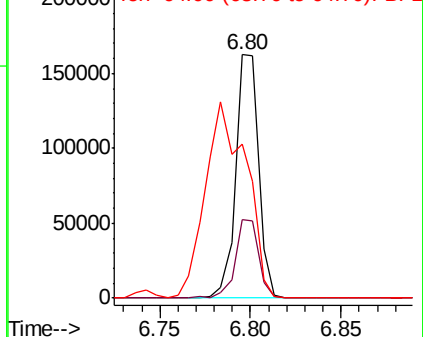
128 100

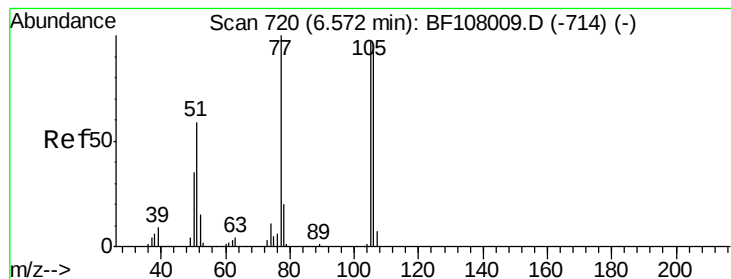
130 32.3 13.0 53.0

64 63.5 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: 7.598 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

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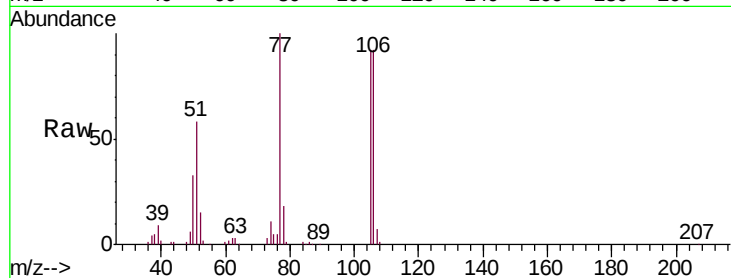
Tgt Ion: 77 Resp: 117563

Ion Ratio Lower Upper

77 100

105 91.6 81.1 121.1

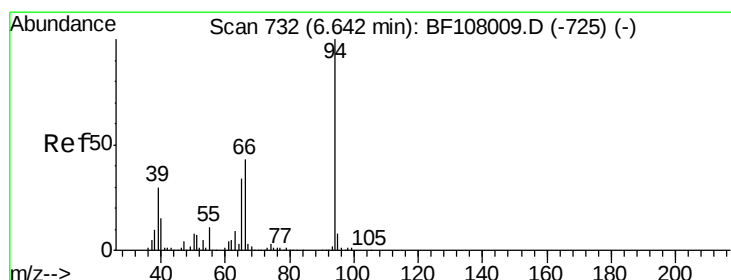
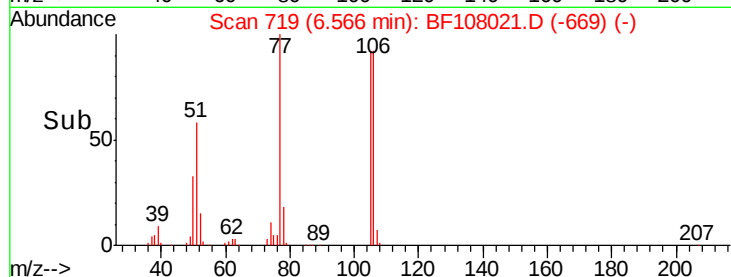
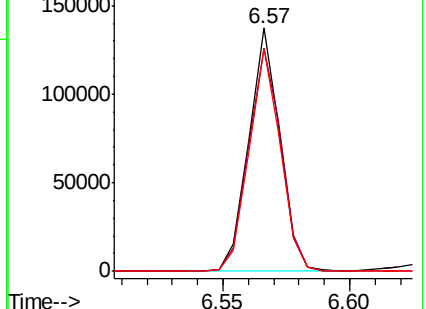
106 91.7 74.5 114.5



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: 8.164 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

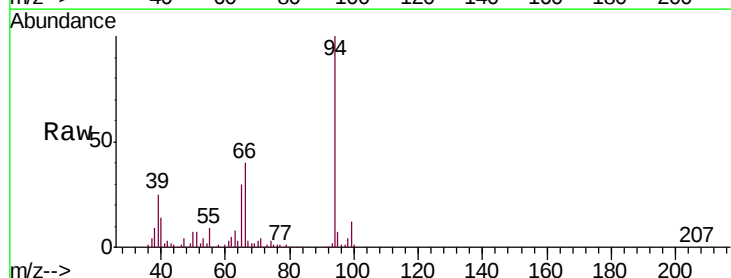
Tgt Ion: 94 Resp: 168531

Ion Ratio Lower Upper

94 100

65 30.0 7.9 47.9

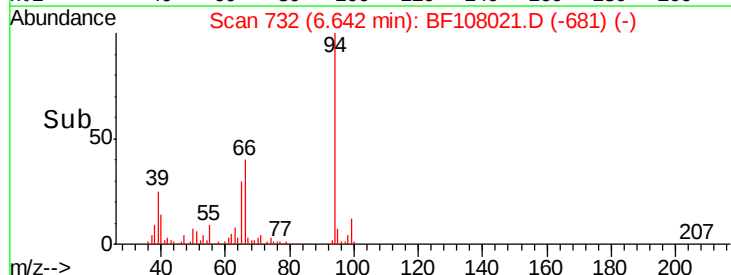
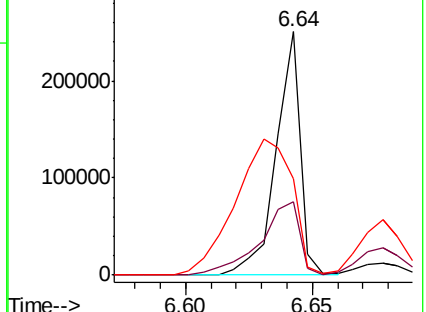
66 39.7 16.2 56.2

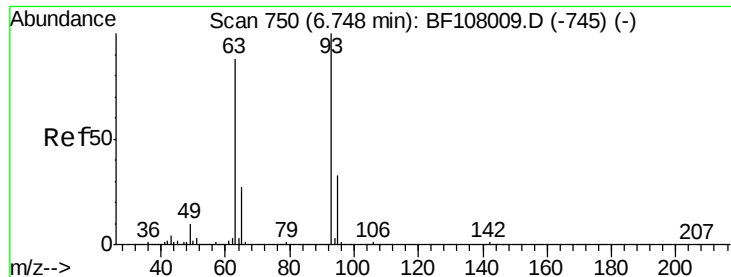


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

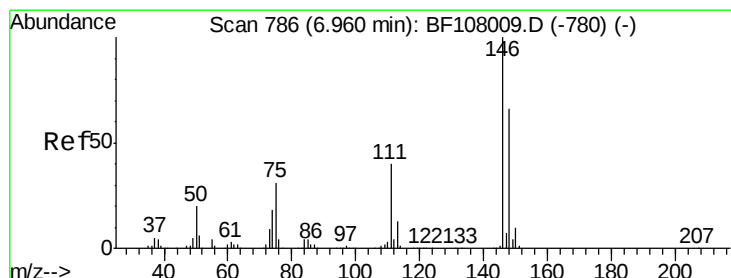
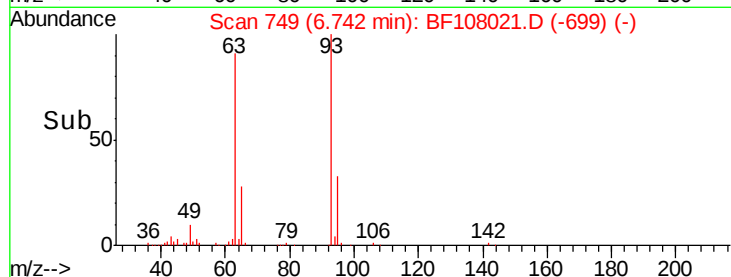
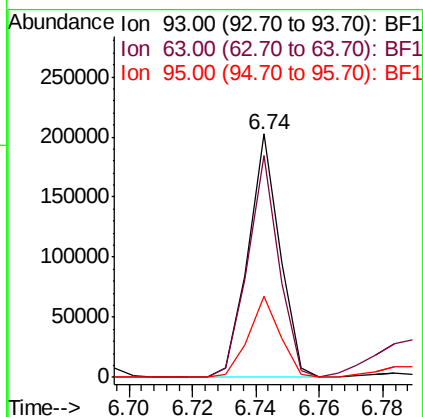
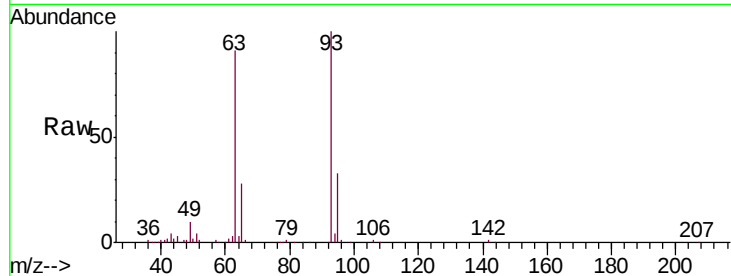




#11
bis(2-Chloroethyl)ether
Concen: 8.395 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

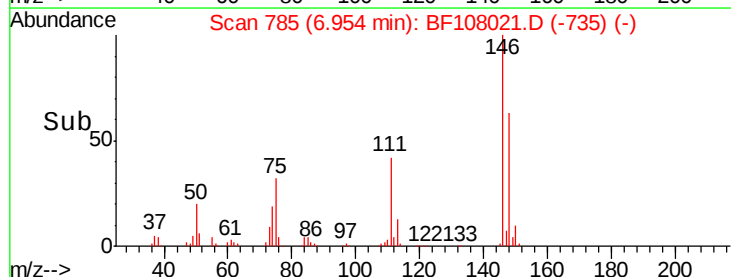
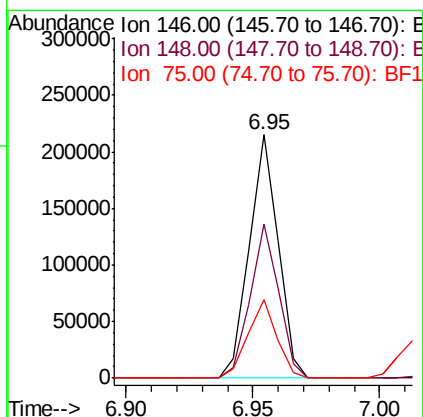
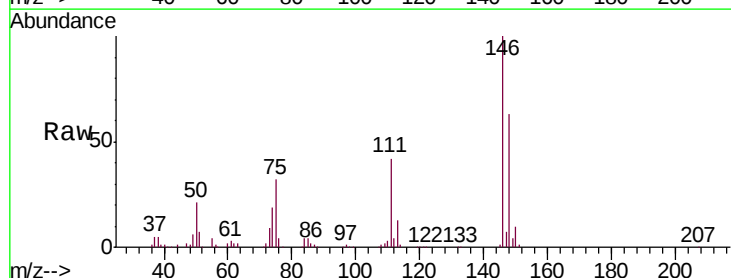
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

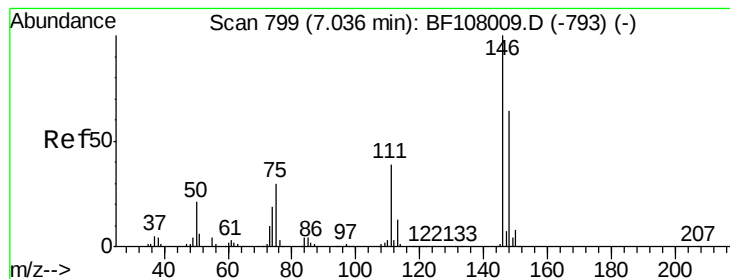
Tgt Ion: 93 Resp: 140108
Ion Ratio Lower Upper
93 100
63 90.9 58.6 98.6
95 33.1 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 8.759 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion: 146 Resp: 171305
Ion Ratio Lower Upper
146 100
148 63.3 51.8 77.8
75 32.1 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 8.571 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

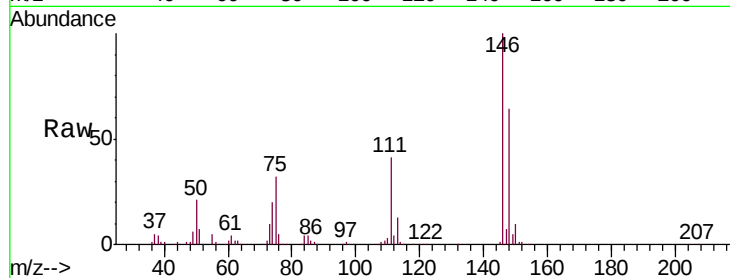
Tgt Ion:146 Resp: 168420

Ion Ratio Lower Upper

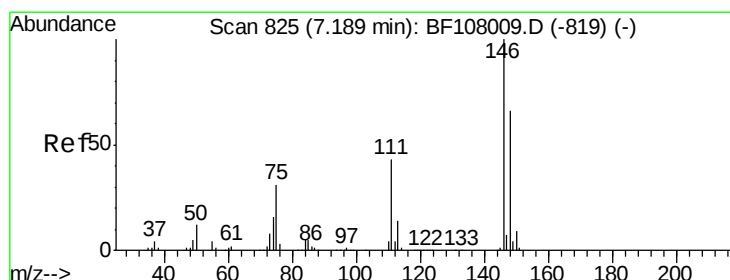
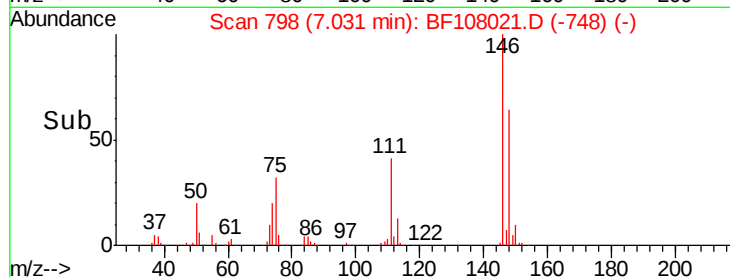
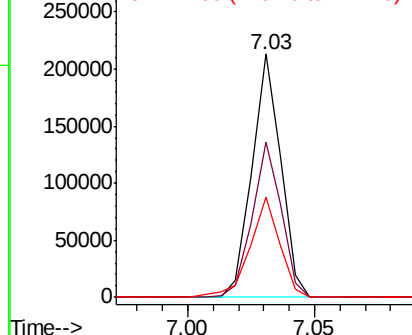
146 100

148 63.9 50.8 76.2

111 41.2 34.2 51.2



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: 8.392 ng

RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

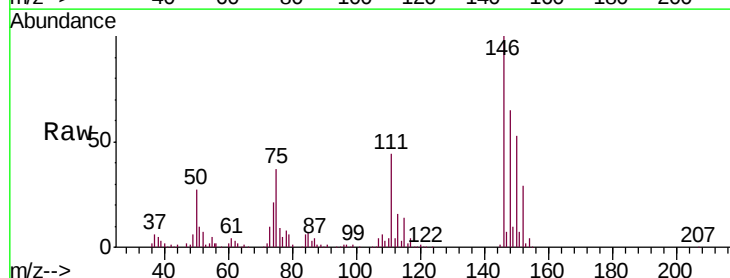
Tgt Ion:146 Resp: 153393

Ion Ratio Lower Upper

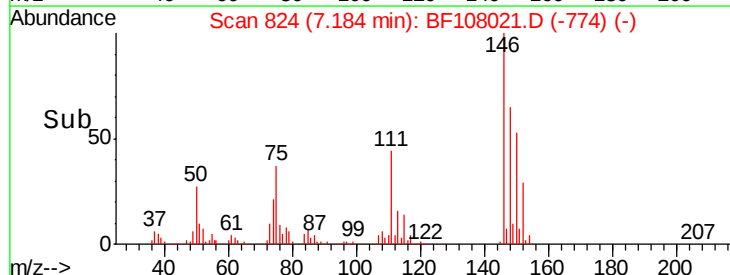
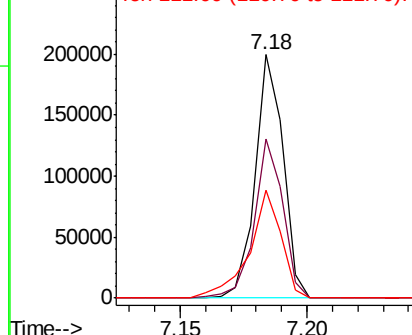
146 100

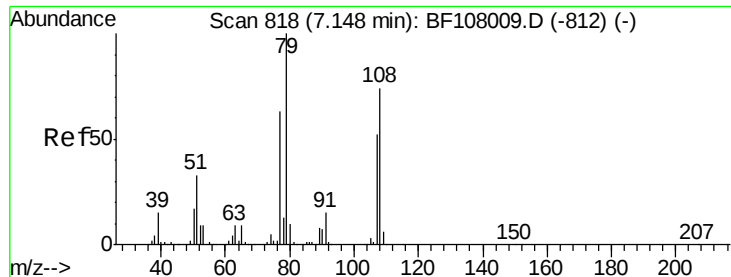
148 65.3 50.6 75.8

111 44.4 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 4.997 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

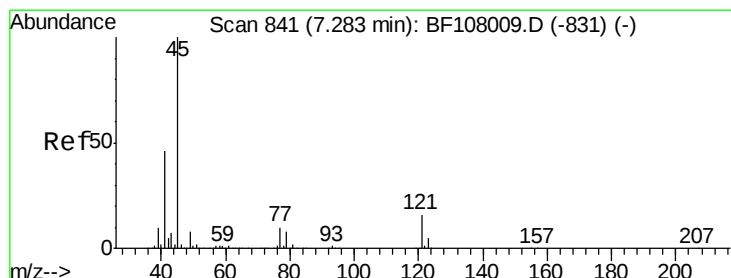
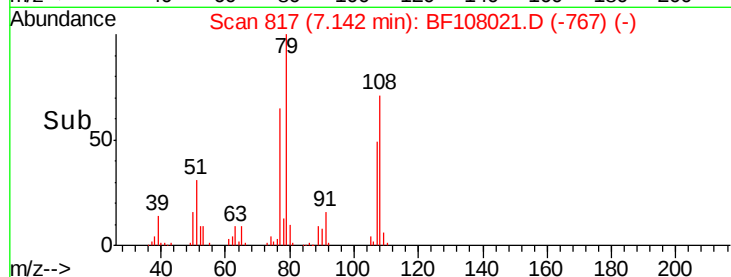
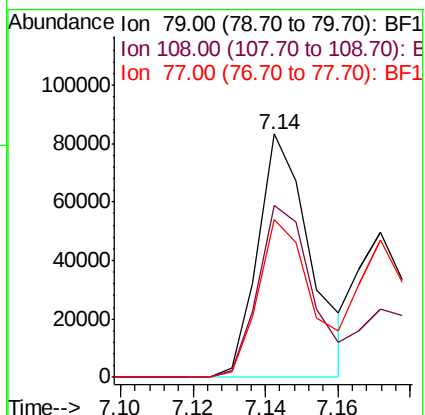
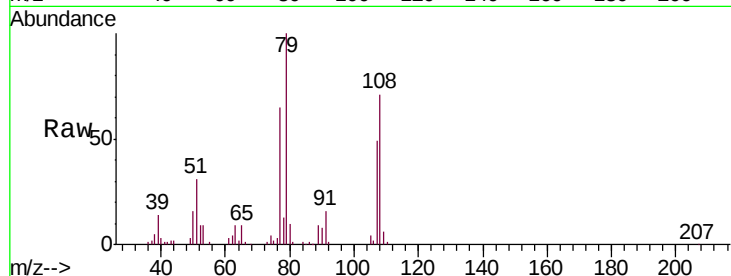
Tgt Ion: 79 Resp: 83949

Ion Ratio Lower Upper

79 100

108 70.5 65.1 97.7

77 65.0 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.433 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

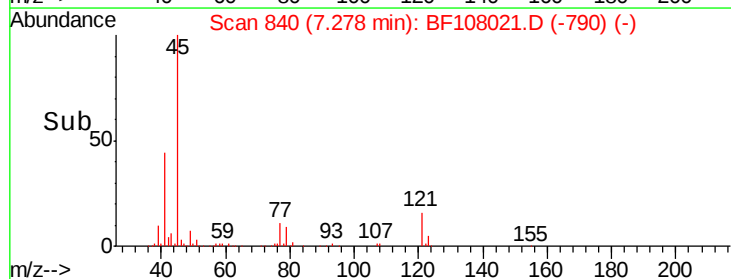
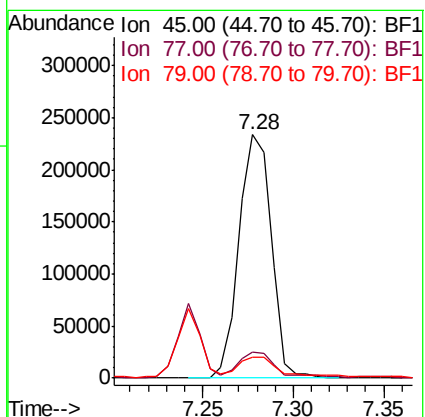
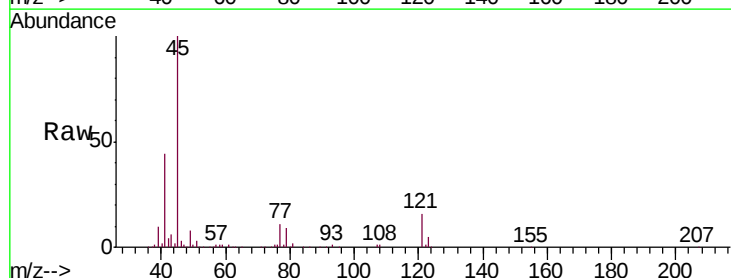
Tgt Ion: 45 Resp: 289927

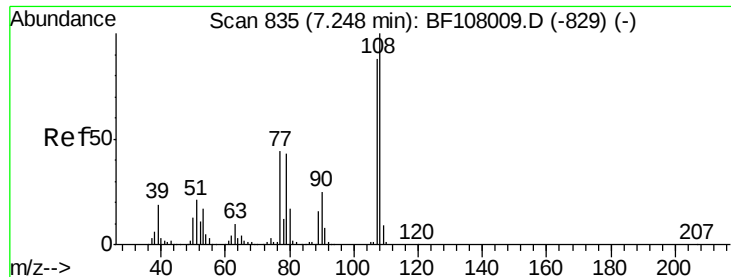
Ion Ratio Lower Upper

45 100

77 10.8 0.0 32.9

79 8.8 0.0 29.6





#17

2-Methylphenol

Concen: 8.577 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:107 Resp: 124405

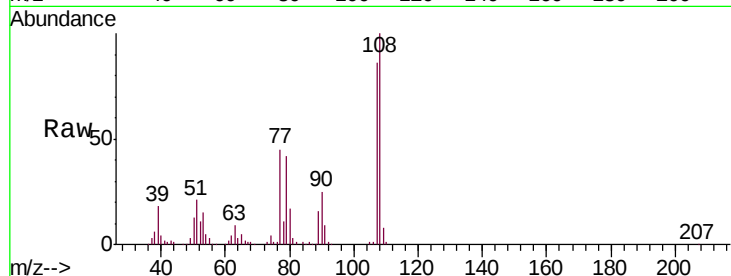
Ion Ratio Lower Upper

107 100

108 115.6 91.7 137.5

77 52.2 33.8 50.8#

79 49.1 33.8 50.8



Abundance Ion 107.00 (106.70 to 107.70): E

250000 Ion 108.00 (107.70 to 108.70): E

200000 Ion 77.00 (76.70 to 77.70): BF1

150000 Ion 79.00 (78.70 to 79.70): BF1

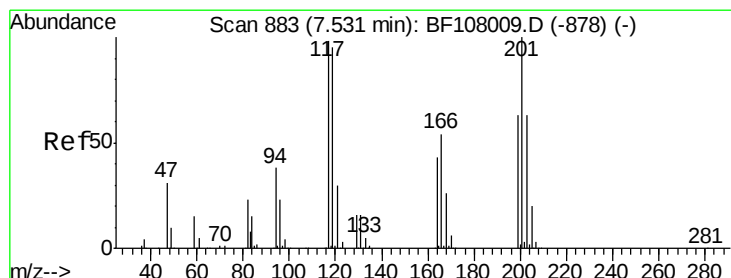
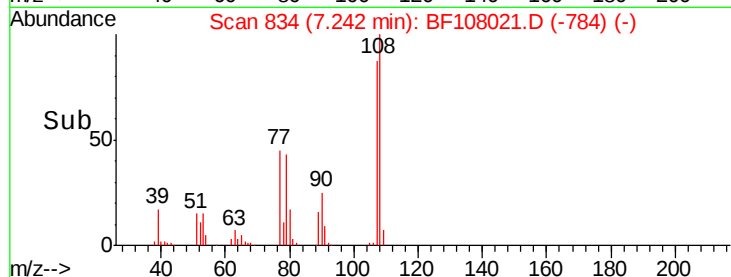
100000

50000

0

7.20 7.25 7.30

Time-->



#18

Hexachloroethane

Concen: 8.358 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

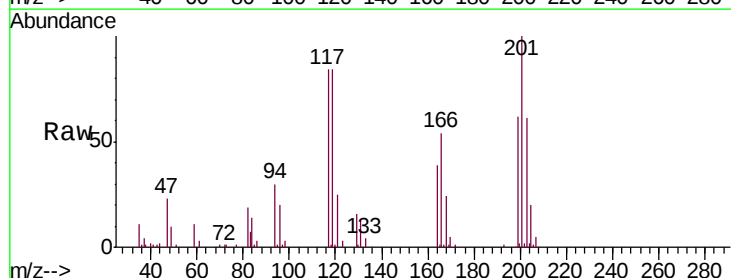
Tgt Ion:117 Resp: 58467

Ion Ratio Lower Upper

117 100

119 99.5 75.8 113.8

201 118.6 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

100000 Ion 119.00 (118.70 to 119.70): E

80000 Ion 201.00 (200.70 to 201.70): E

60000

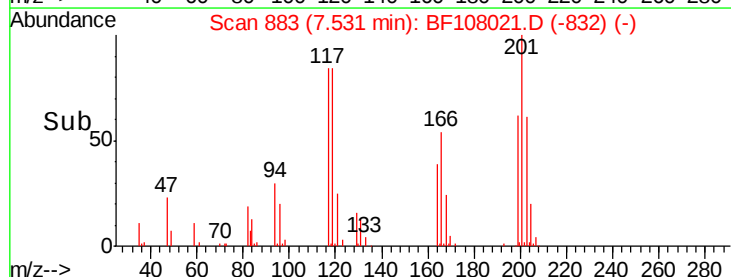
40000

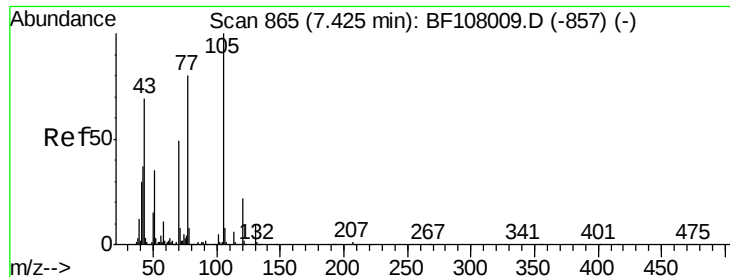
20000

0

7.48 7.50 7.52 7.54 7.56

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 8.491 ng

RT: 7.41 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 70 Resp: 114592

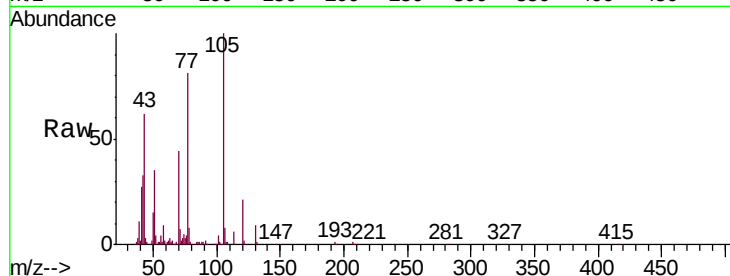
Ion Ratio Lower Upper

70 100

42 74.7 47.5 71.3#

101 9.9 7.4 11.2

130 19.2 16.6 25.0

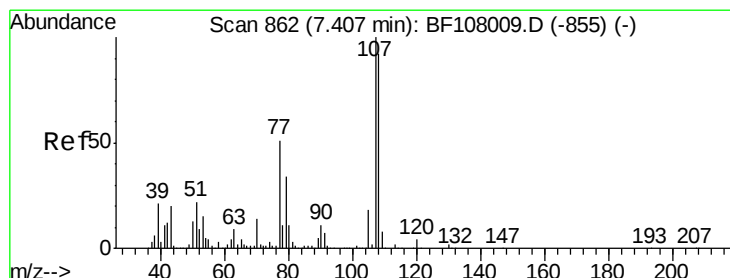
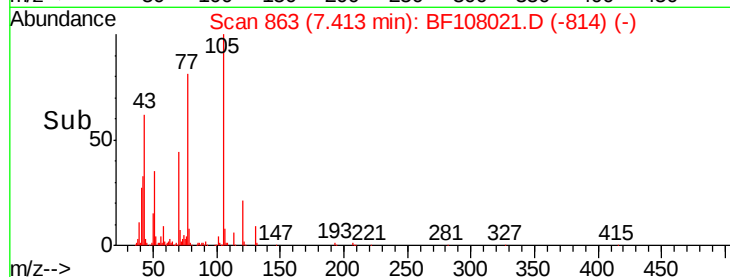
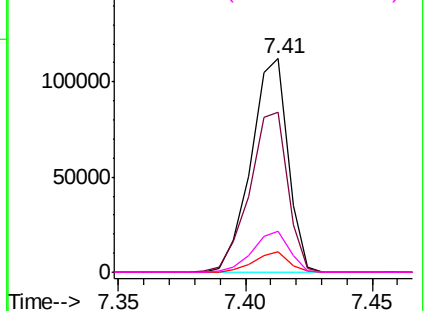


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 8.743 ng

RT: 7.40 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Tgt Ion: 107 Resp: 162516

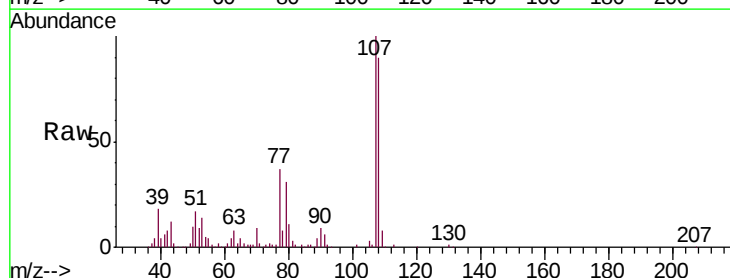
Ion Ratio Lower Upper

107 100

108 90.0 68.2 108.2

77 37.2 26.7 66.7

79 30.7 6.3 46.3

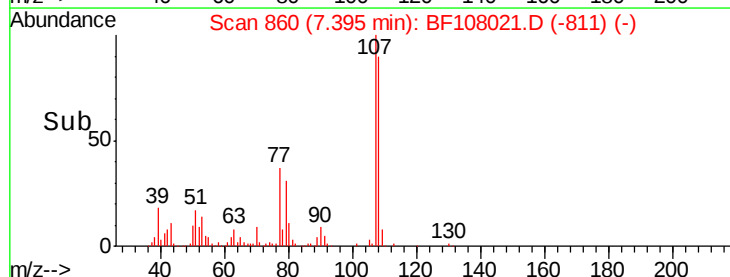
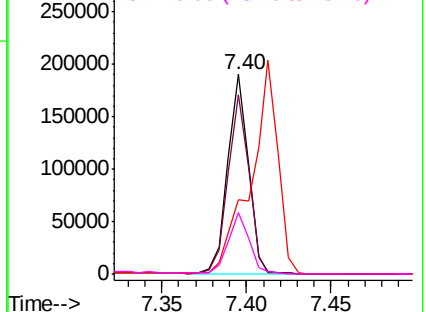


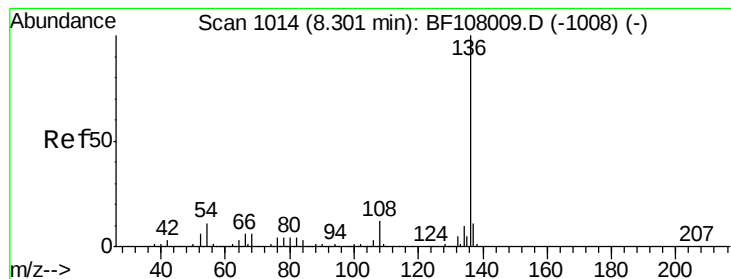
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:136 Resp: 1087503

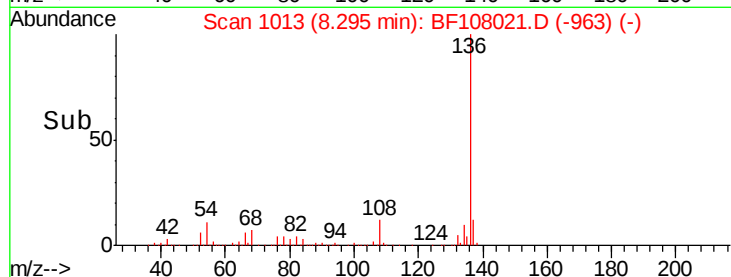
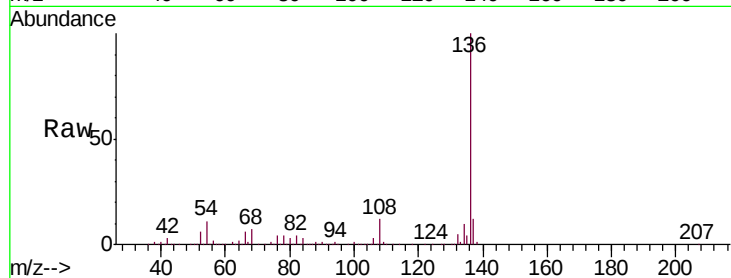
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 11.3 6.6 9.8#

68 6.6 5.0 7.4

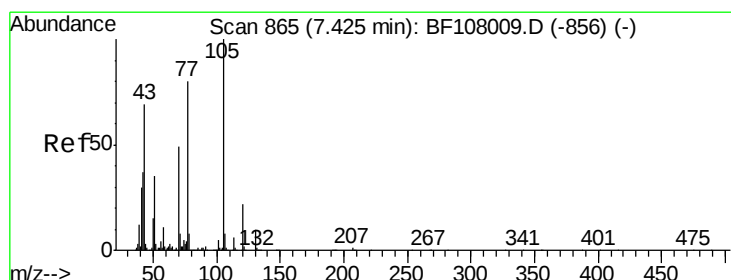
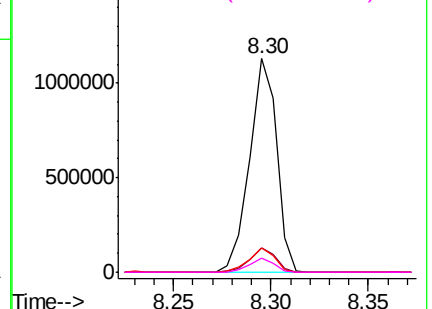


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.511 ng

RT: 7.41 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Tgt Ion:105 Resp: 216429

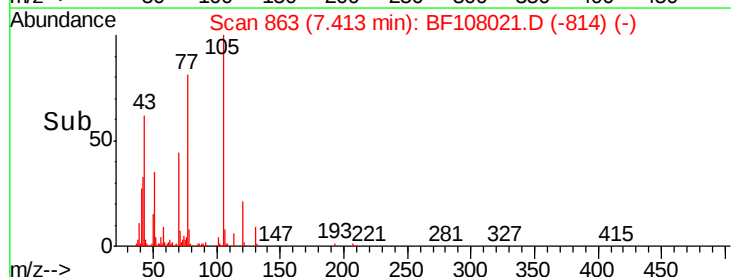
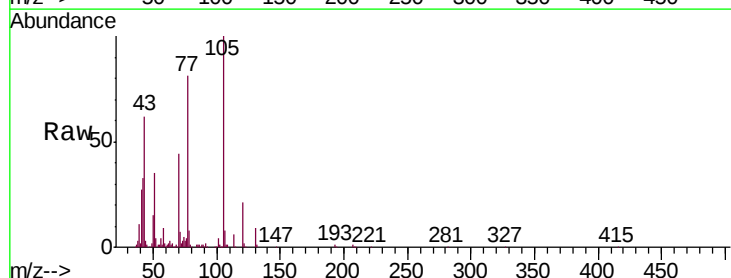
Ion Ratio Lower Upper

105 100

71 6.8 4.4 6.6#

51 34.9 22.3 33.5#

120 21.5 16.9 25.3

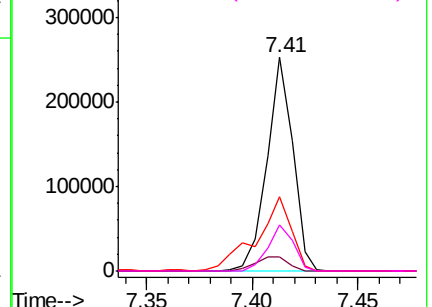


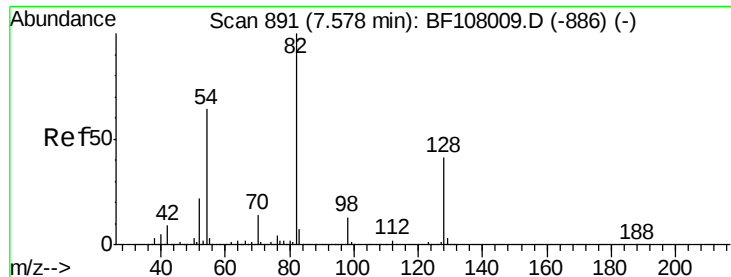
Abundance Ion 105.00 (104.70 to 105.70): E

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

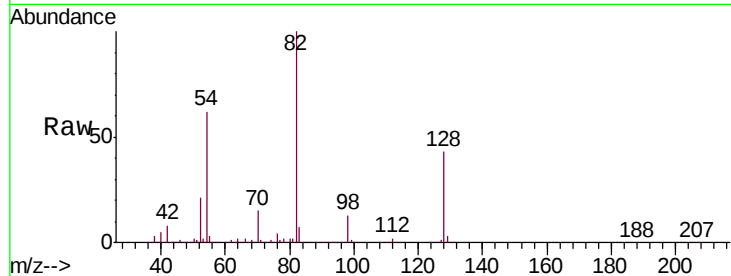




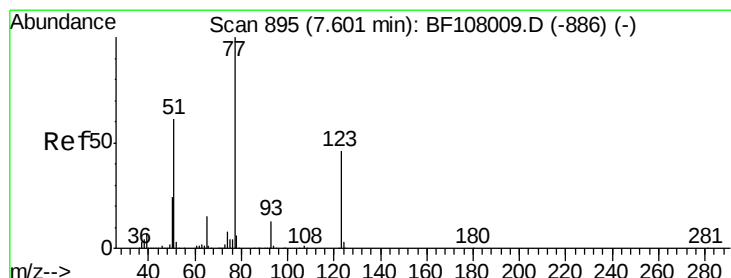
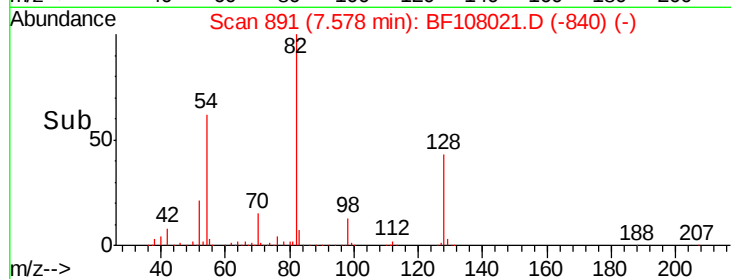
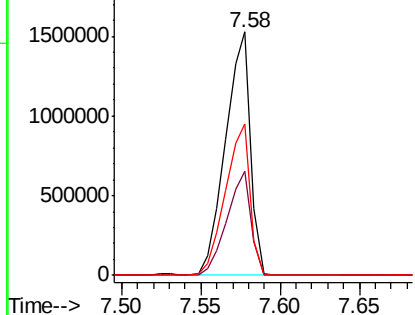
#23
 Nitrobenzene-d5
 Concen: 85.184 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 82 Resp: 1660143
 Ion Ratio Lower Upper
 82 100
 128 42.8 36.1 54.1
 54 62.3 41.4 62.2#

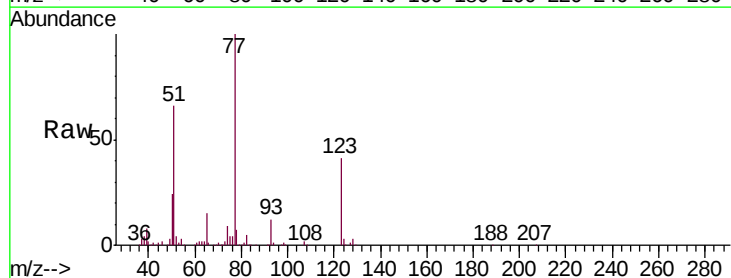


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

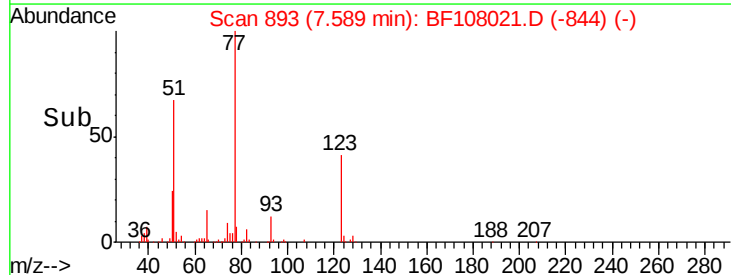
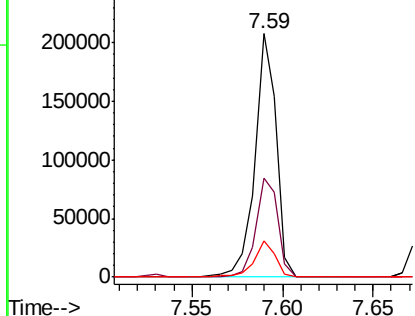


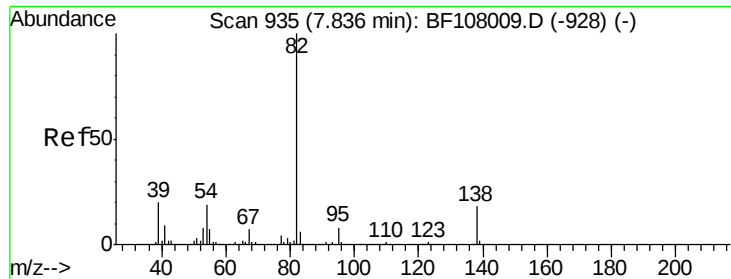
#24
 Nitrobenzene
 Concen: 8.600 ng
 RT: 7.59 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion: 77 Resp: 169480
 Ion Ratio Lower Upper
 77 100
 123 40.6 37.9 56.9
 65 15.1 11.0 16.4



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: 8.191 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

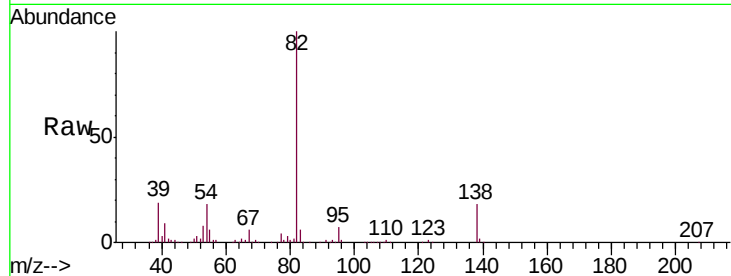
Tgt Ion: 82 Resp: 304275

Ion Ratio Lower Upper

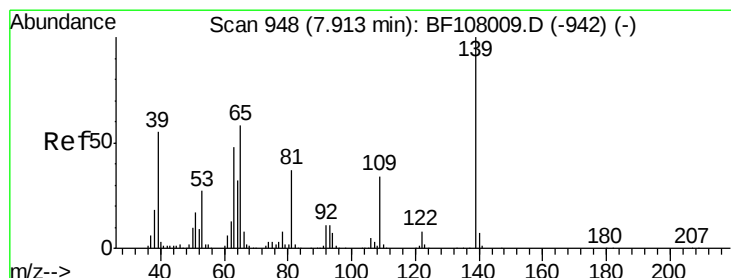
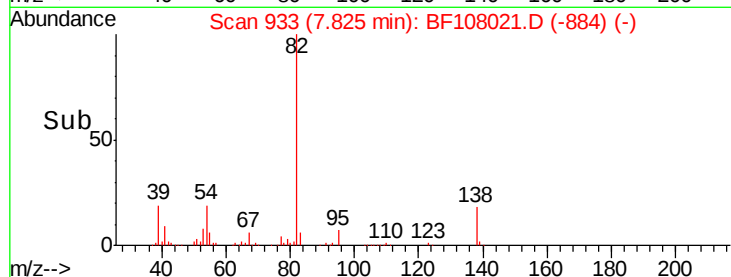
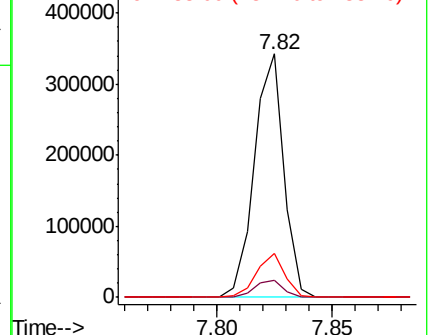
82 100

95 6.9 5.2 7.8

138 17.9 14.9 22.3



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: 7.197 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

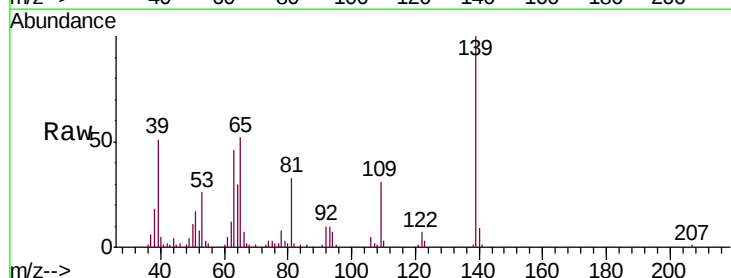
Tgt Ion: 139 Resp: 53561

Ion Ratio Lower Upper

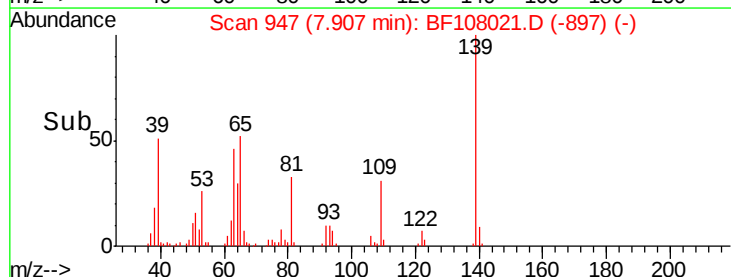
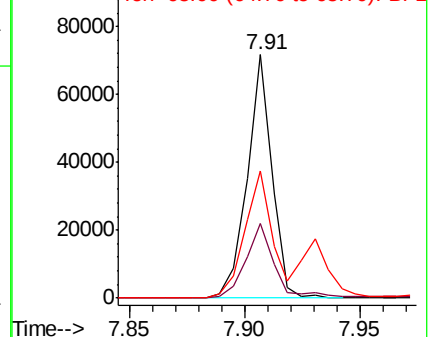
139 100

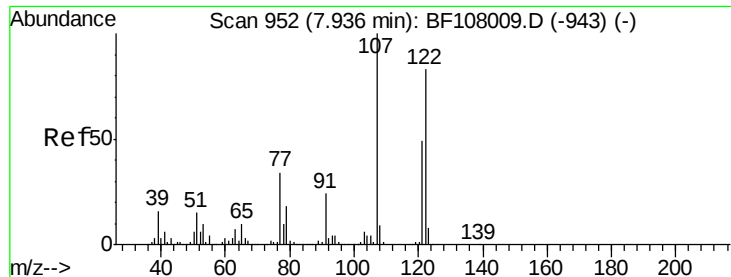
109 30.7 22.7 34.1

65 52.4 40.5 60.7



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

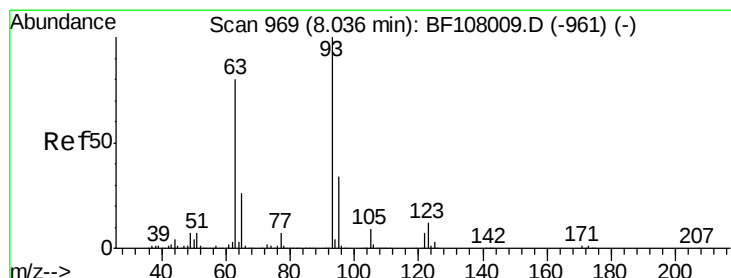
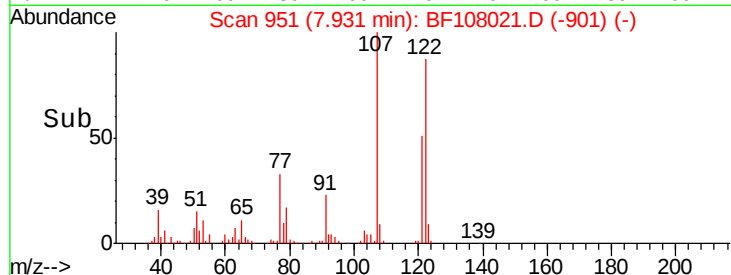
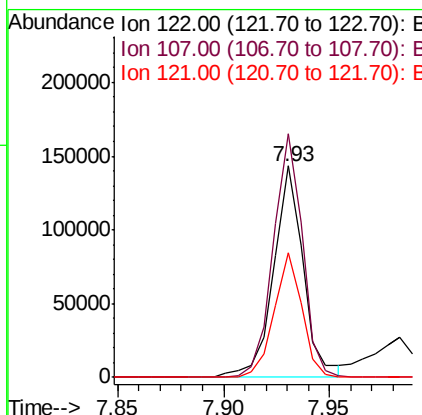
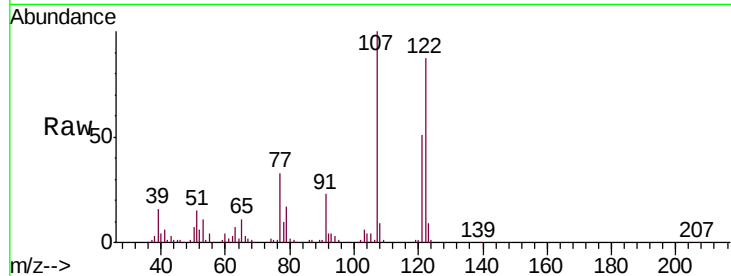




#27
 2,4-Dimethylphenol
 Concen: 8.546 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

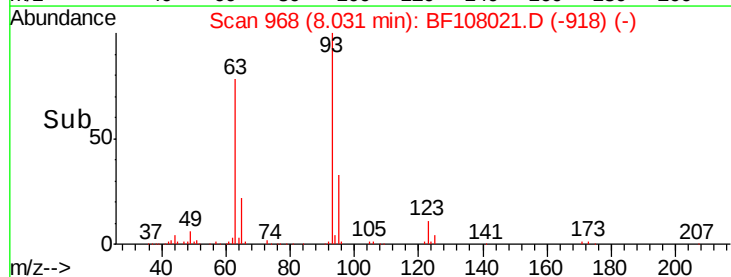
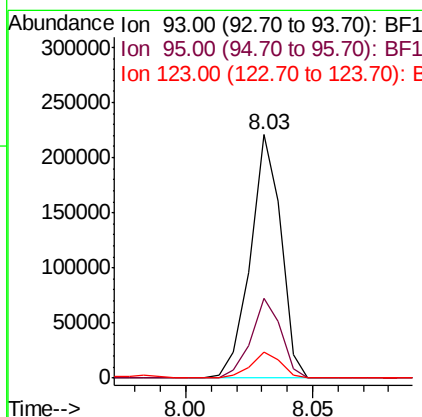
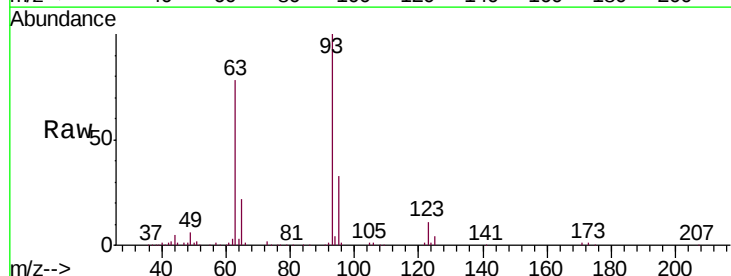
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

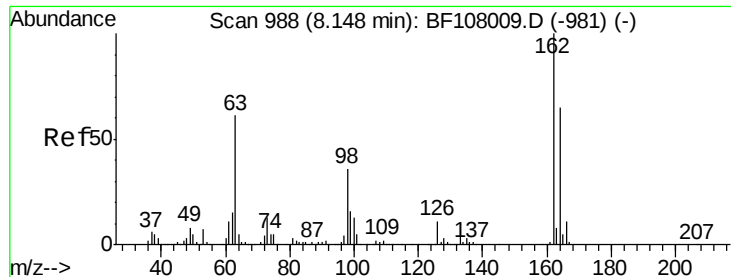
Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.1	91.2	136.8
121	58.8	47.2	70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.578 ng
 RT: 8.03 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.3	39.5
123	10.9	9.8	14.6

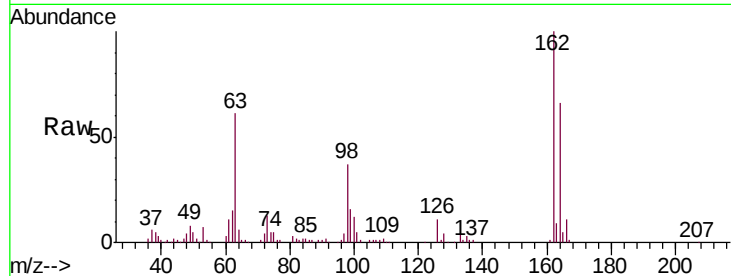




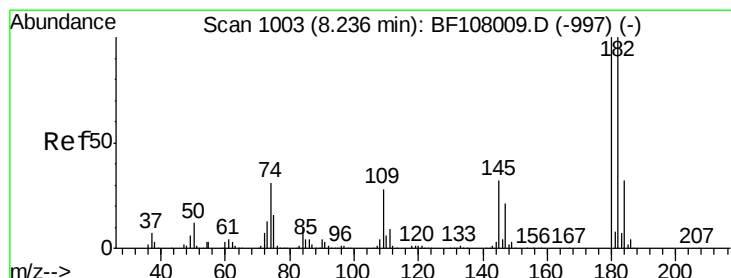
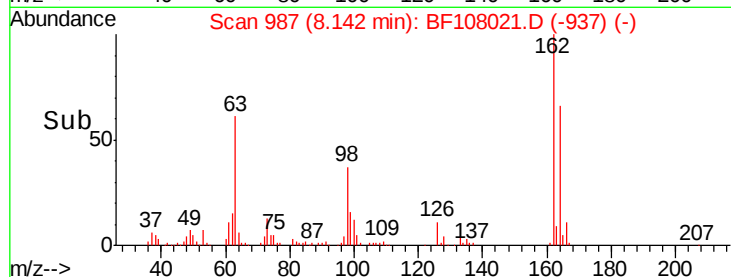
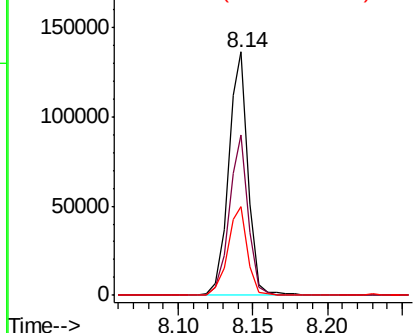
#29
2,4-Dichlorophenol
Concen: 8.267 ng
RT: 8.14 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.7	82.7
98	36.6	18.1	58.1

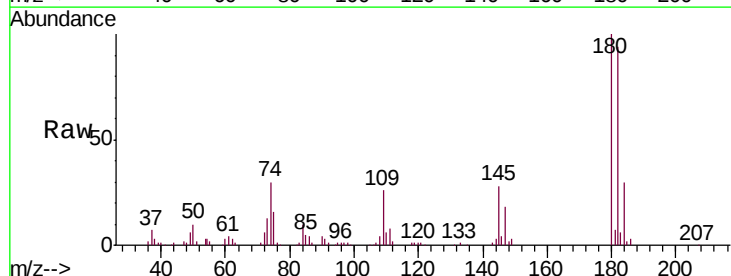


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

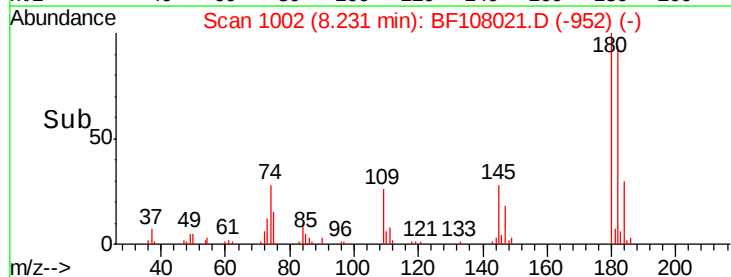
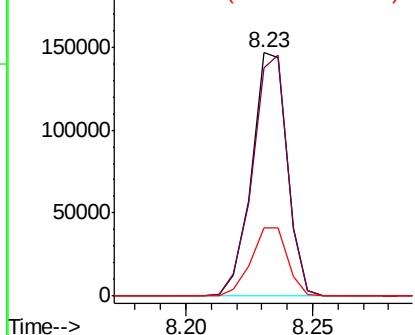


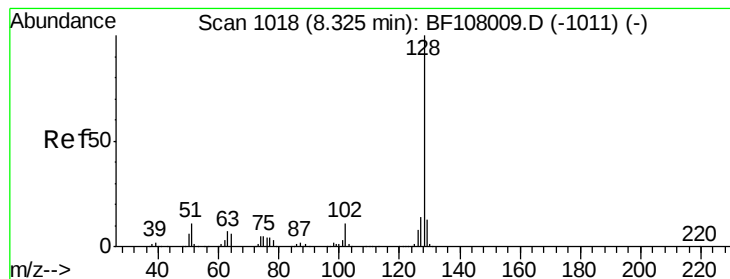
#30
1,2,4-Trichlorobenzene
Concen: 8.557 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
145	28.2	26.5	39.7



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

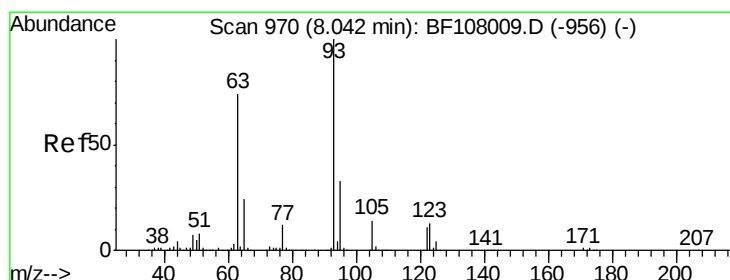
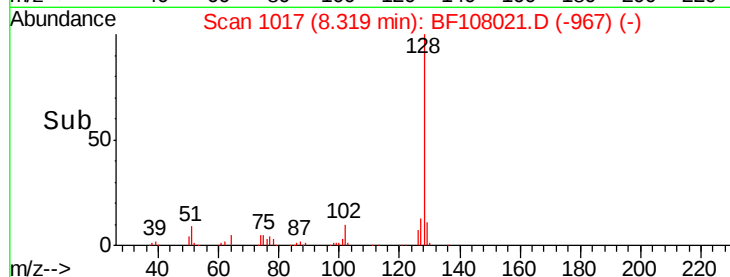
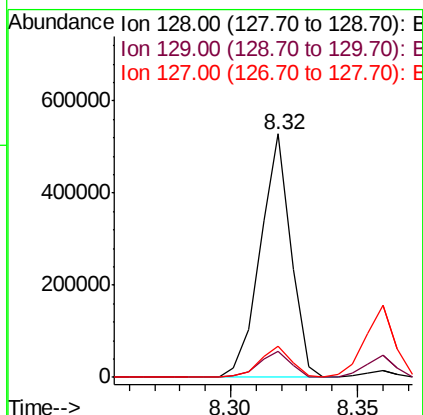
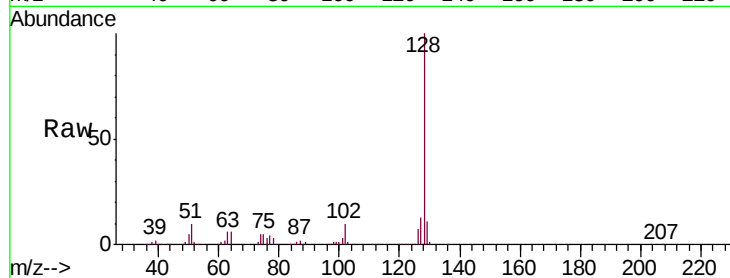




#31
Naphthalene
Concen: 8.936 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

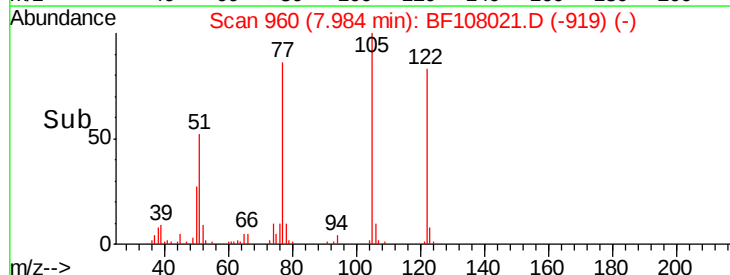
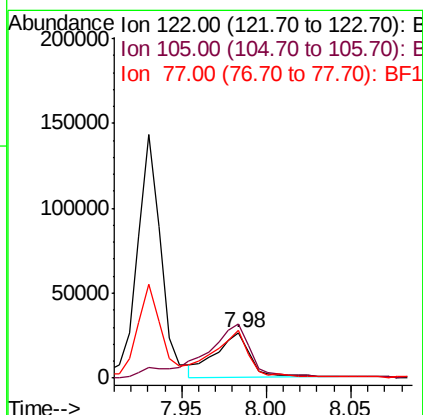
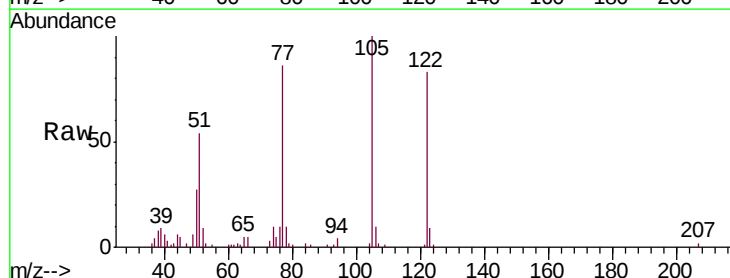
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

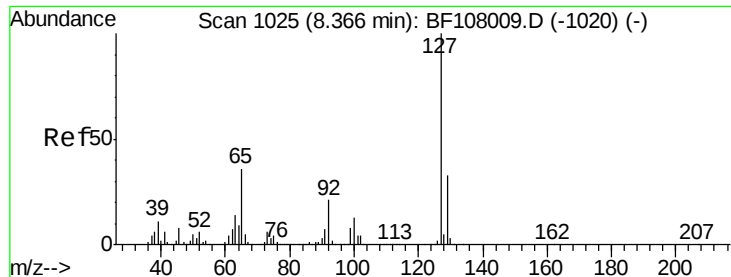
Tgt Ion:128 Resp: 441927
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.9 10.9 16.3



#32
Benzoic acid
Concen: 9.477 ng
RT: 7.98 min Scan# 960
Delta R.T. -0.06 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:122 Resp: 38275
Ion Ratio Lower Upper
122 100
105 119.8 101.1 141.1
77 103.3 70.7 110.7

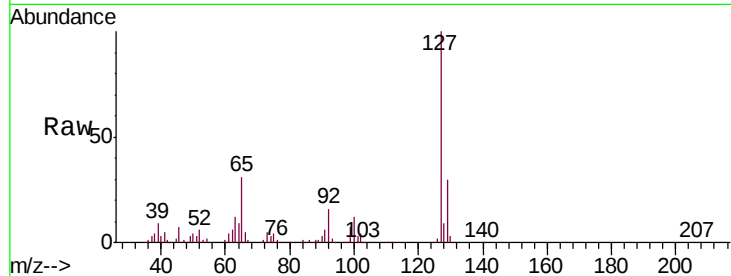




#33
4-Chloroaniline
Concen: 5.828 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	127	Resp:	125615
Ion	Ratio	Lower	Upper
127	100		
129	30.0	25.9	38.9
65	31.1	25.0	37.4
92	16.4	15.2	22.8



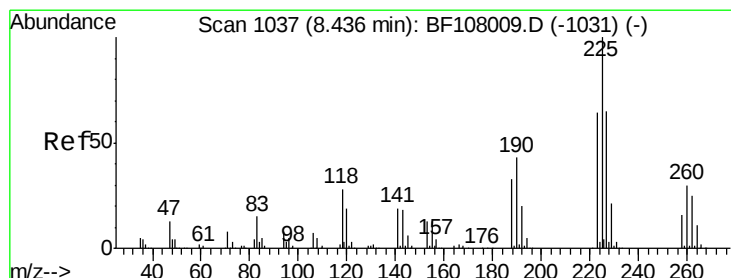
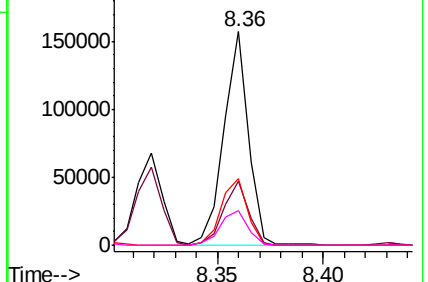
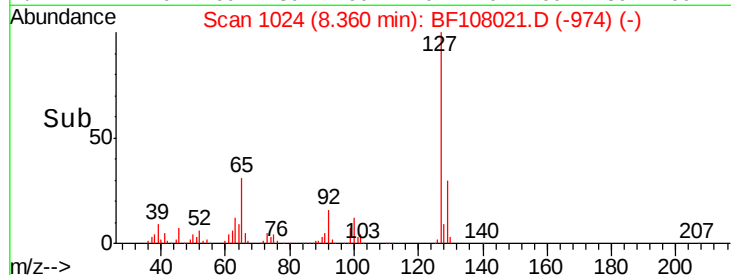
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

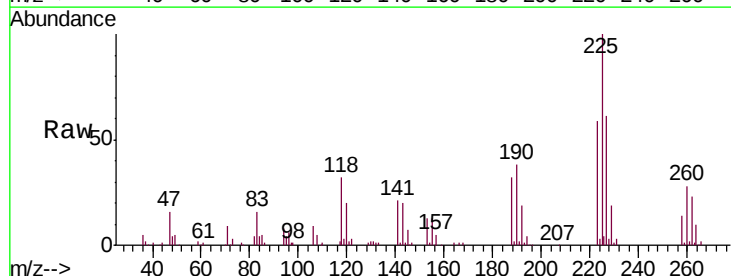
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 8.575 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:	225	Resp:	90803
Ion	Ratio	Lower	Upper
225	100		
223	59.0	50.6	76.0
227	60.9	51.9	77.9

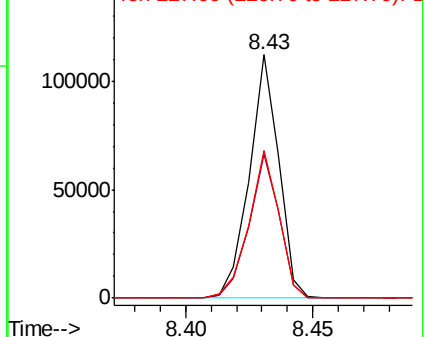
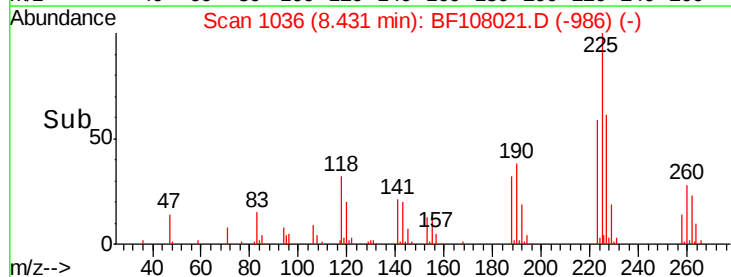


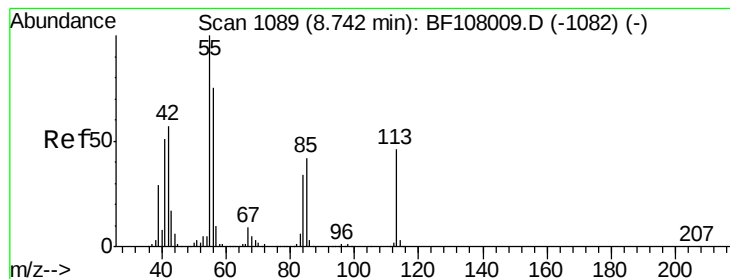
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 7.774 ng

RT: 8.70 min Scan# 1081

Delta R.T. -0.05 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

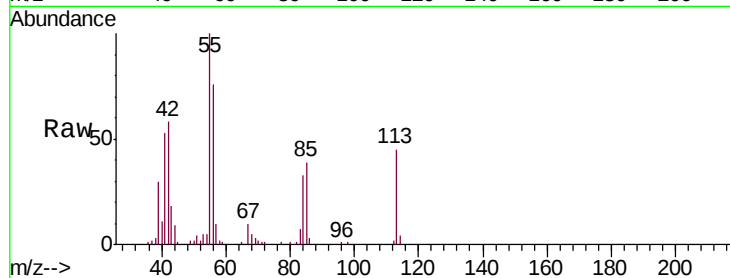
Tgt Ion:113 Resp: 36961

Ion Ratio Lower Upper

113 100

55 222.3 163.3 203.3#

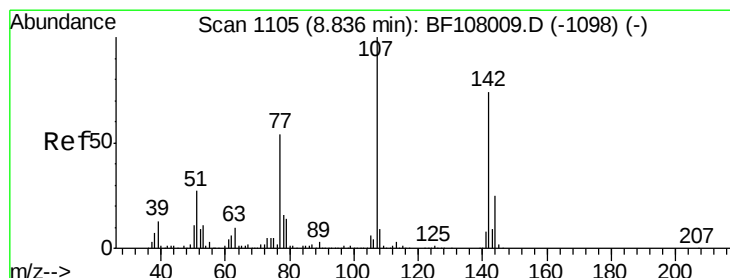
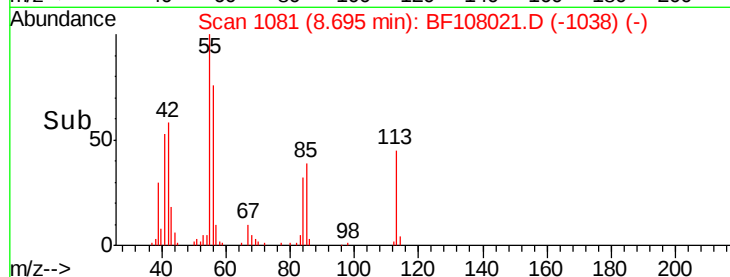
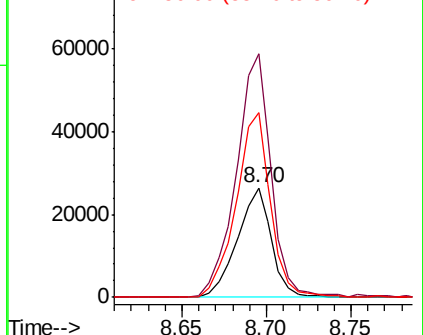
56 169.0 115.7 155.7#



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: 8.342 ng

RT: 8.82 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

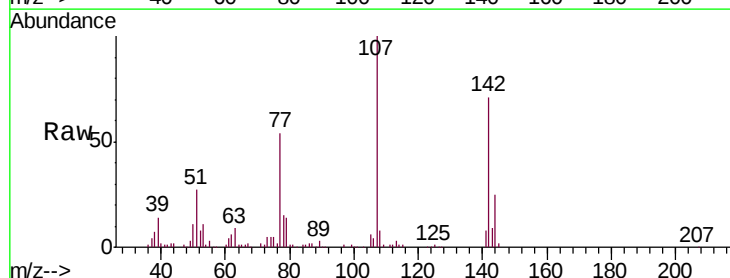
Tgt Ion:107 Resp: 136535

Ion Ratio Lower Upper

107 100

144 24.9 20.5 30.7

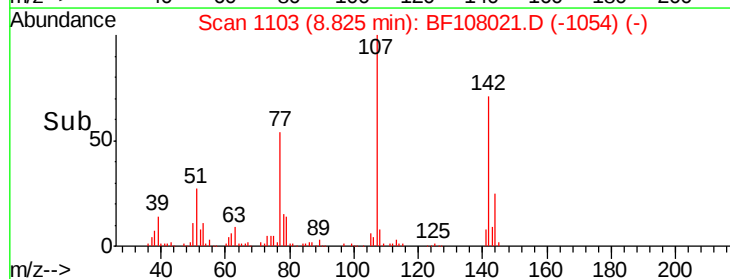
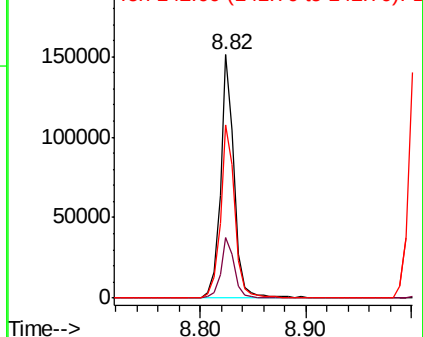
142 71.3 62.0 93.0

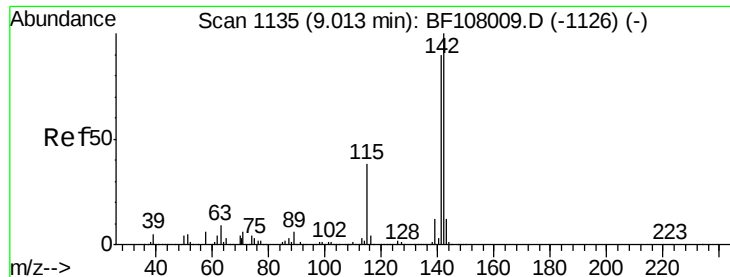


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

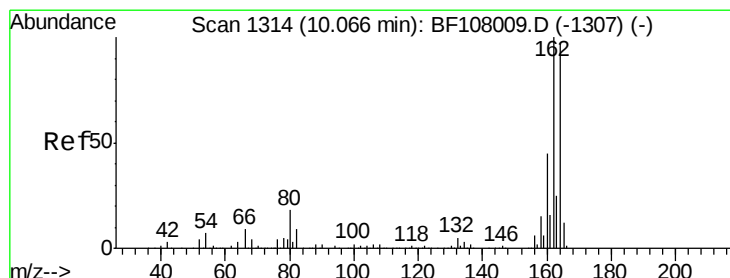
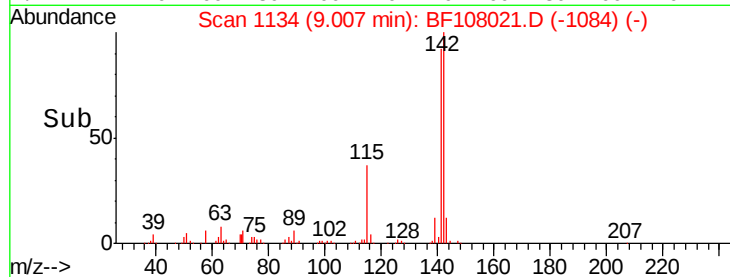
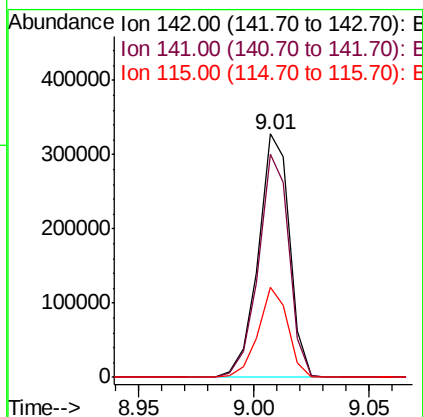
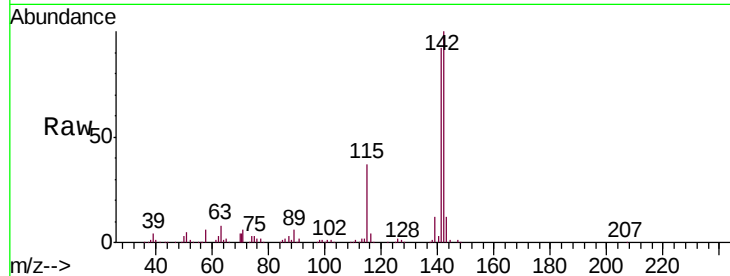




#37
 2-Methylnaphthalene
 Concen: 8.833 ng
 RT: 9.01 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

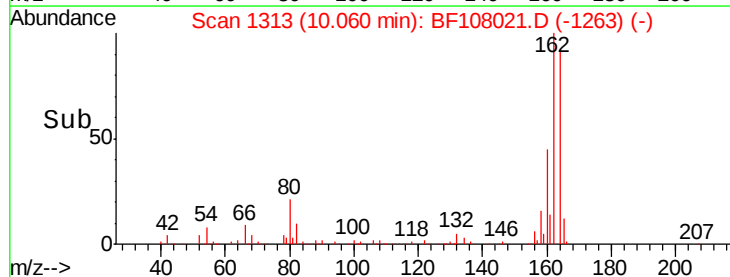
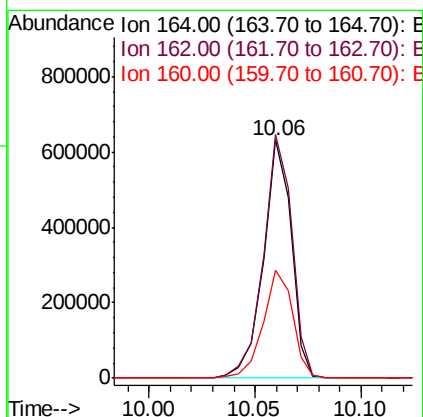
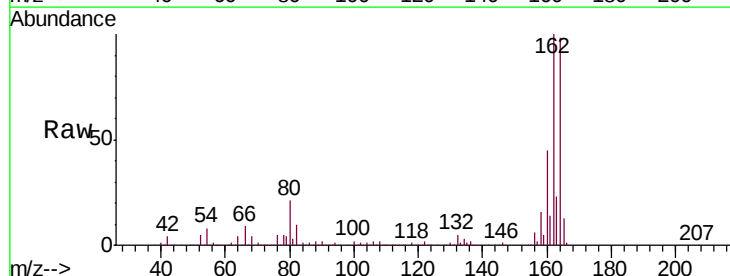
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

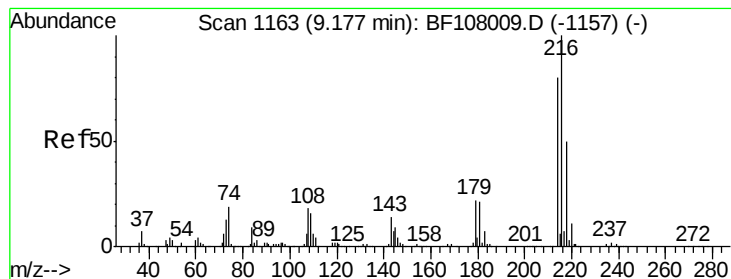
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.8	106.2
115	37.0	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.5	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 8.450 ng

RT: 9.17 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 216 Resp: 151303

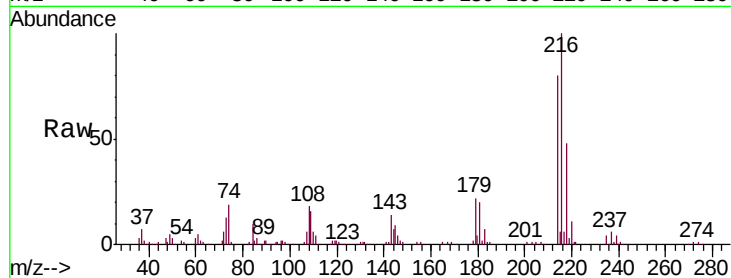
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 20.7 18.1 27.1

108 19.0 17.2 25.8

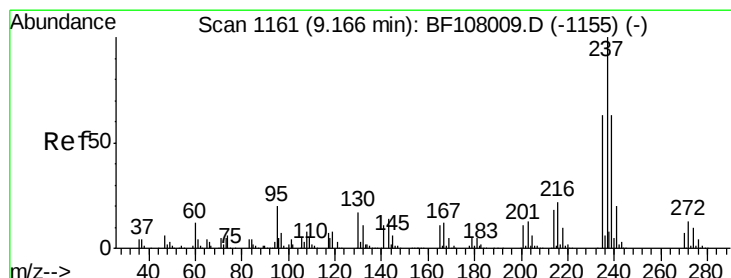
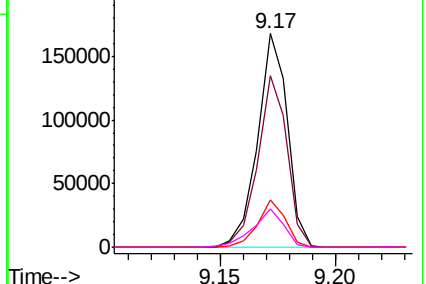
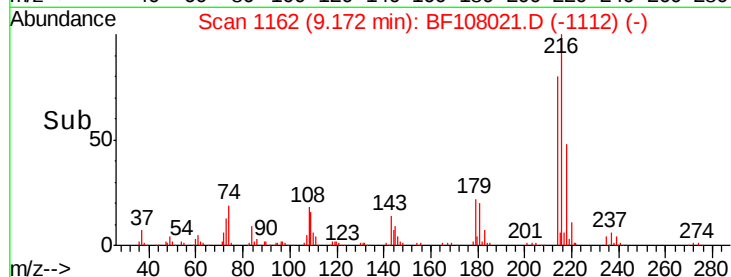


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 7.481 ng

RT: 9.16 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

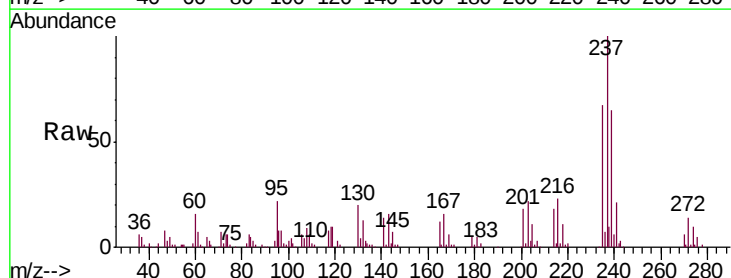
Tgt Ion: 237 Resp: 86521

Ion Ratio Lower Upper

237 100

235 66.9 44.8 84.8

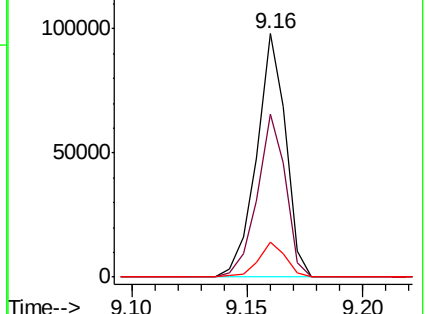
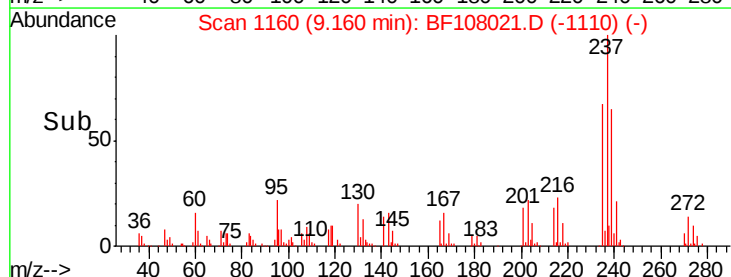
272 14.5 0.0 33.3

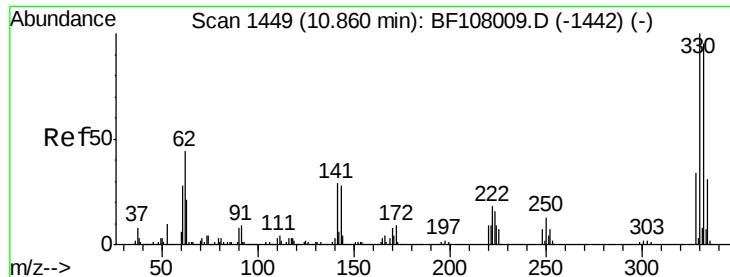


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 138.203 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

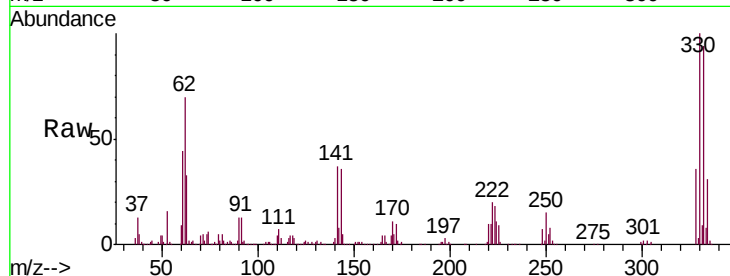
Tgt Ion:330 Resp: 803796

Ion Ratio Lower Upper

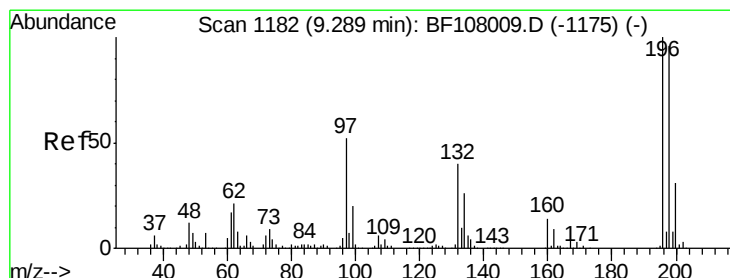
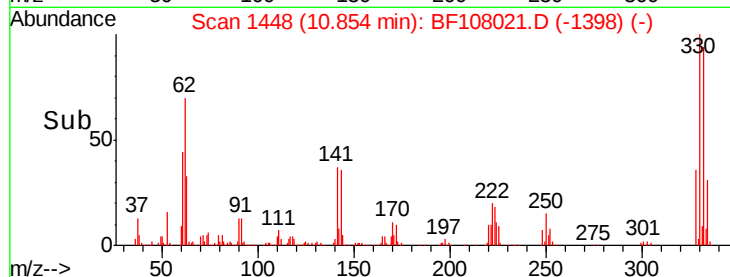
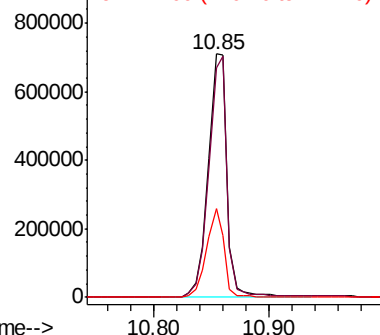
330 100

332 95.2 77.0 115.6

141 34.2 29.9 44.9



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



#42

2,4,6-Trichlorophenol

Concen: 7.343 ng

RT: 9.28 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

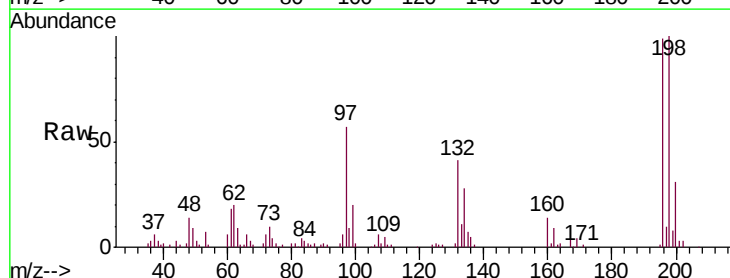
Tgt Ion:196 Resp: 81588

Ion Ratio Lower Upper

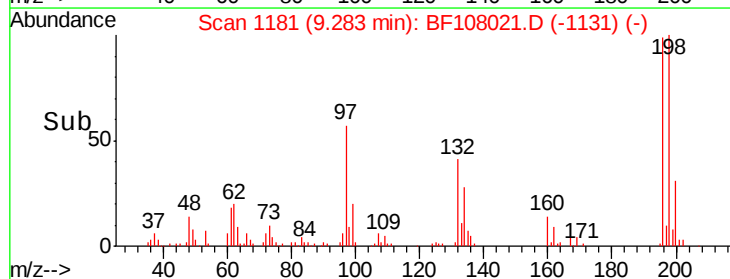
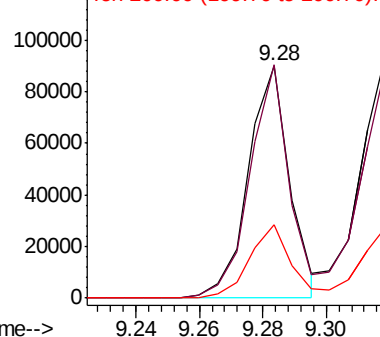
196 100

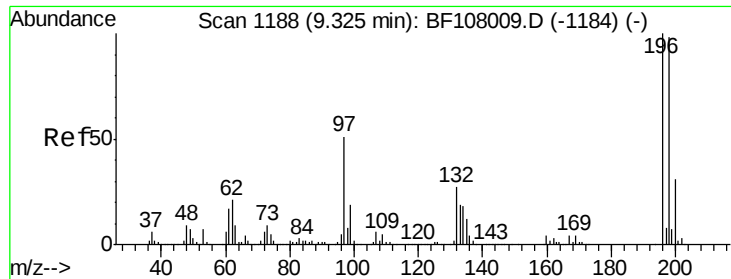
198 100.7 75.7 113.5

200 31.3 24.5 36.7



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

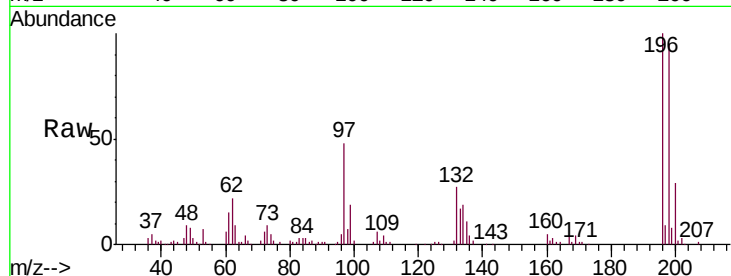




#43
 2,4,5-Trichlorophenol
 Concen: 7.987 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.3	74.6	112.0
97	47.8	42.9	64.3
132	27.1	26.3	39.5



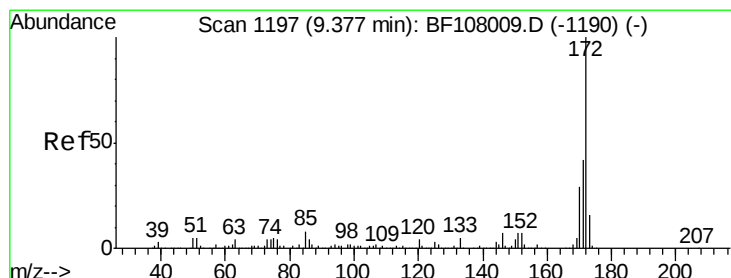
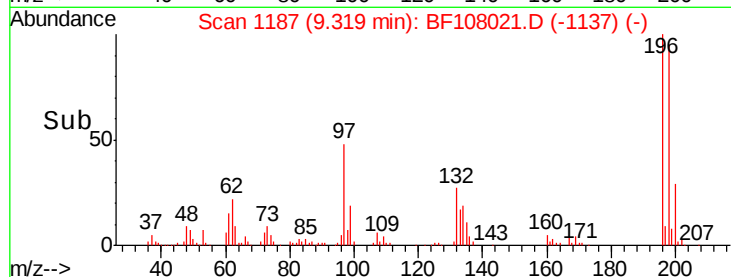
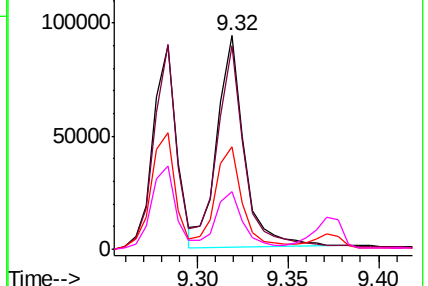
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

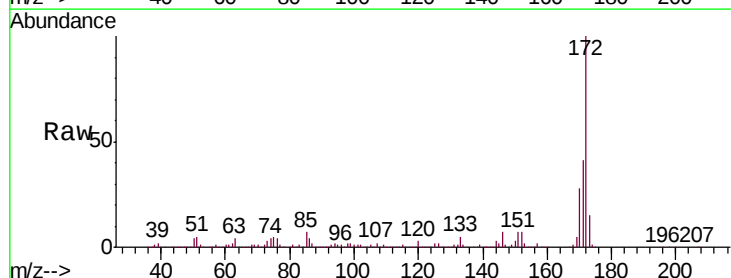
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 82.357 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	29.7	44.5
170	27.9	19.6	29.4

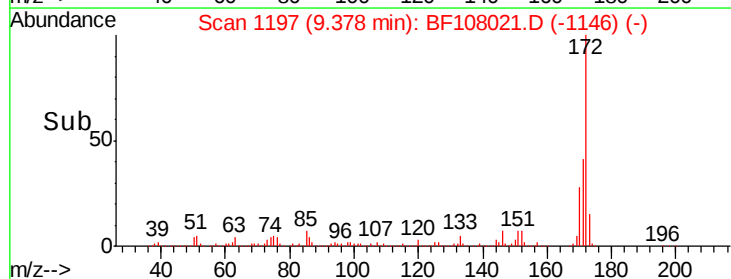
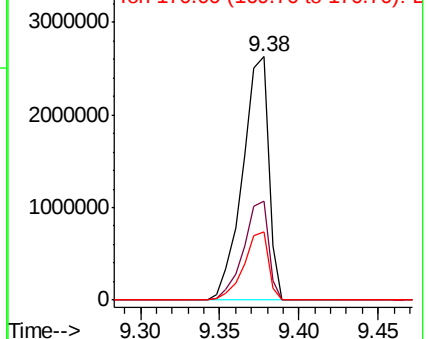


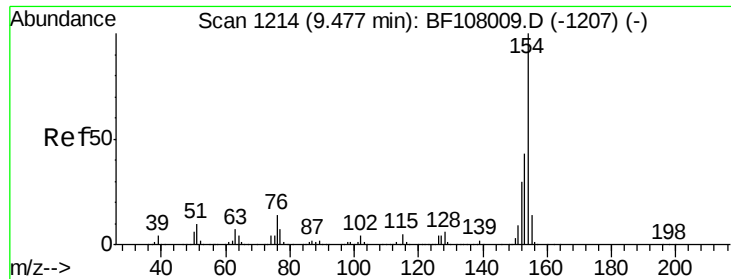
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

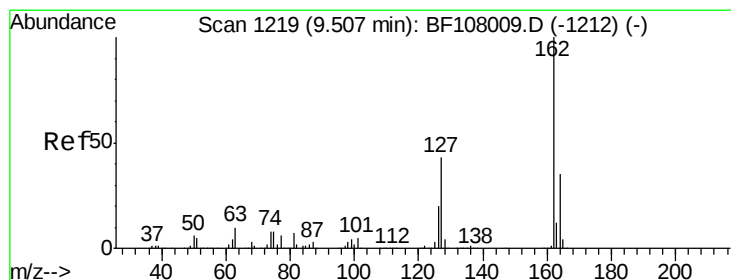
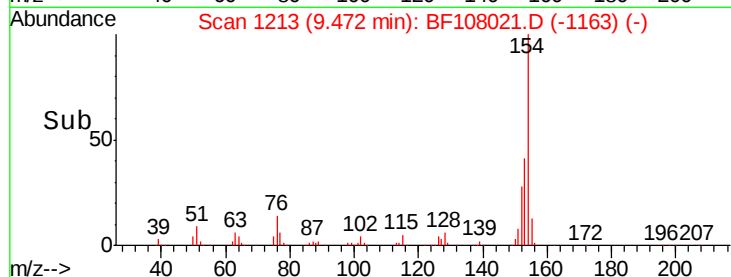
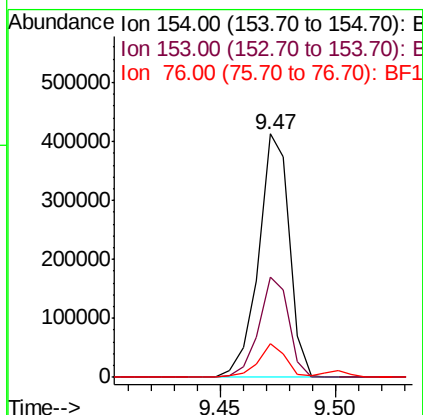
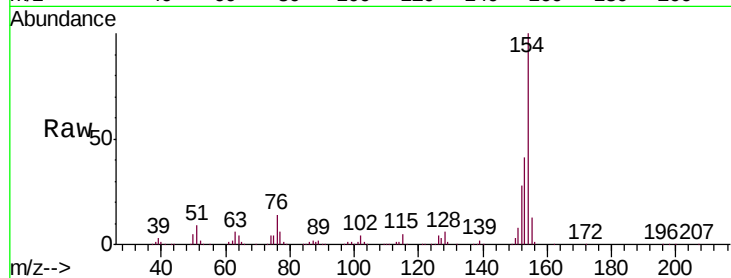




#45
 1,1'-Biphenyl
 Concen: 8.903 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

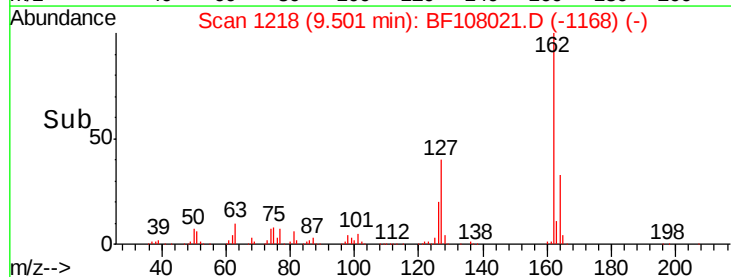
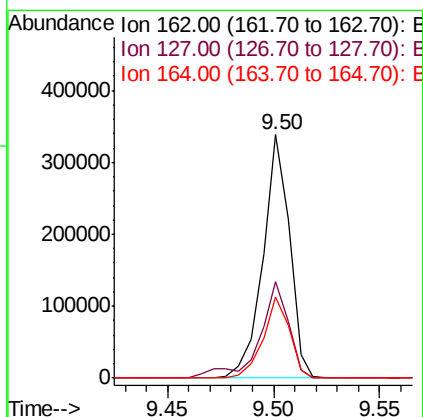
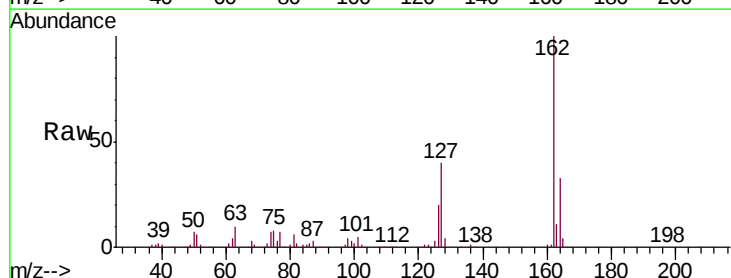
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

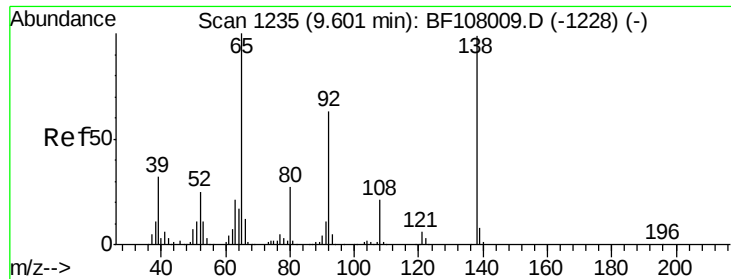
Tgt Ion:154 Resp: 382734
 Ion Ratio Lower Upper
 154 100
 153 41.4 21.3 61.3
 76 13.6 0.0 34.0



#46
 2-Chloronaphthalene
 Concen: 8.747 ng
 RT: 9.50 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion:162 Resp: 297205
 Ion Ratio Lower Upper
 162 100
 127 39.5 33.9 50.9
 164 33.4 26.5 39.7

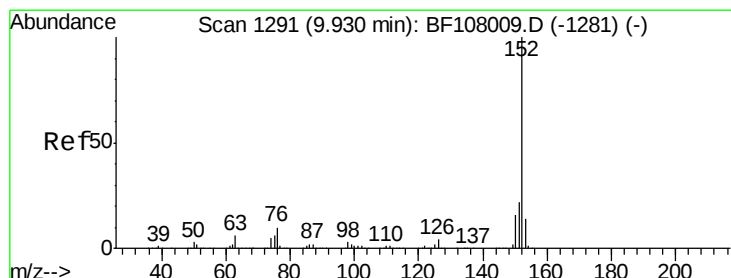
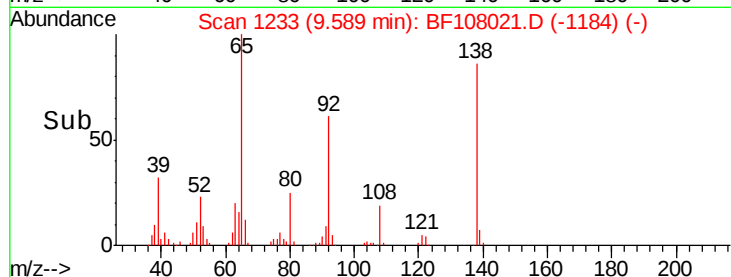
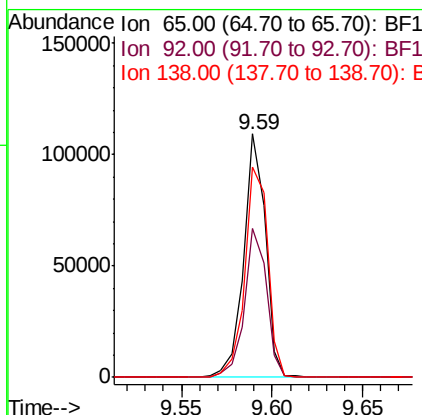
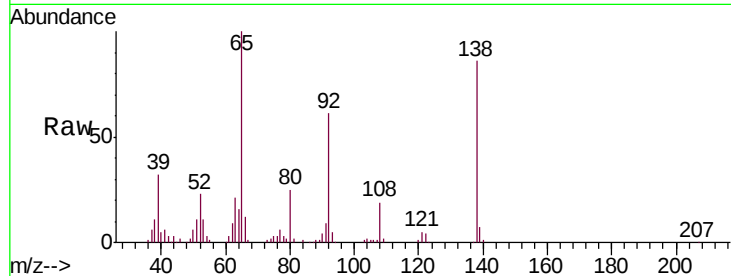




#47
2-Nitroaniline
Concen: 8.283 ng
RT: 9.59 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

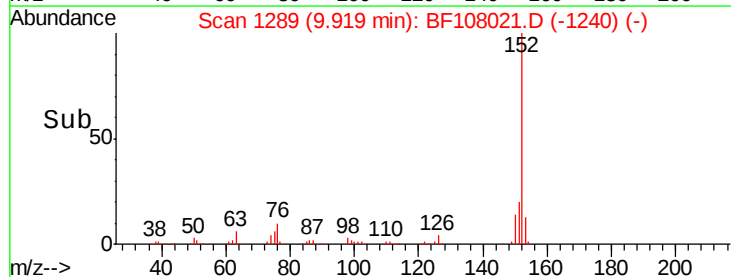
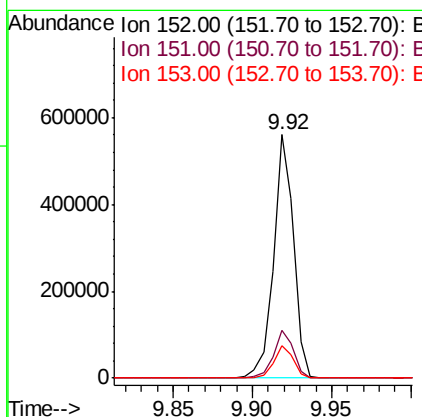
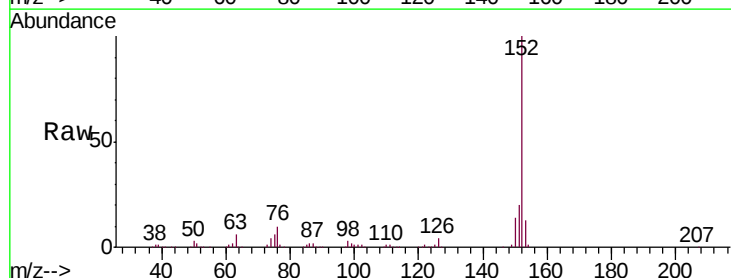
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

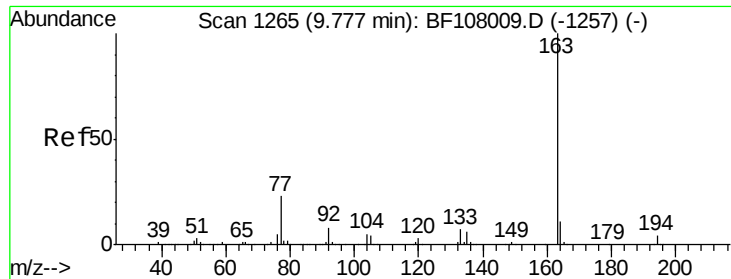
Tgt Ion: 65 Resp: 91060
Ion Ratio Lower Upper
65 100
92 61.1 55.8 83.6
138 86.5 91.2 136.8#



#48
Acenaphthylene
Concen: 9.138 ng
RT: 9.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion: 152 Resp: 490875
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 13.4 10.7 16.1

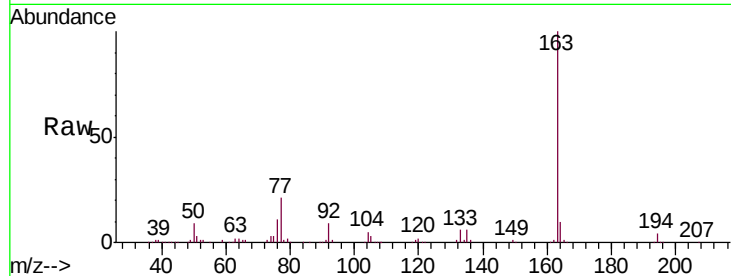




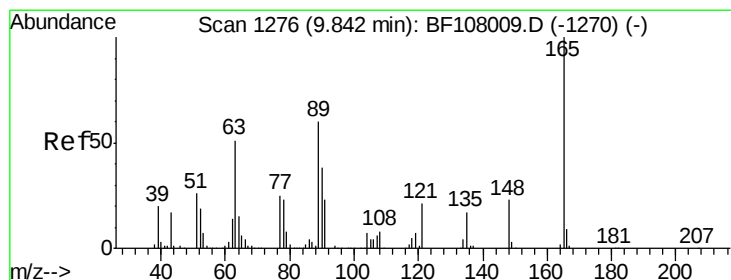
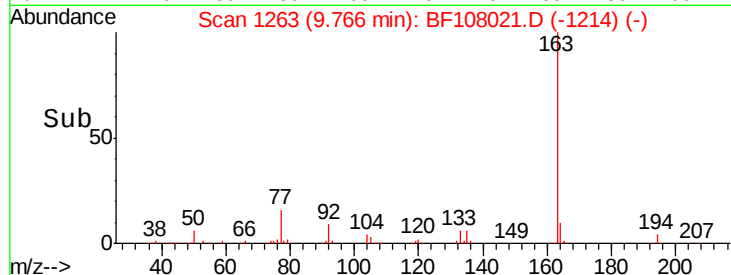
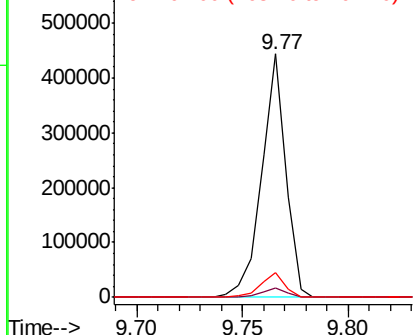
#49
Dimethylphthalate
Concen: 8.698 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:163 Resp: 353272
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.2 8.2 12.2

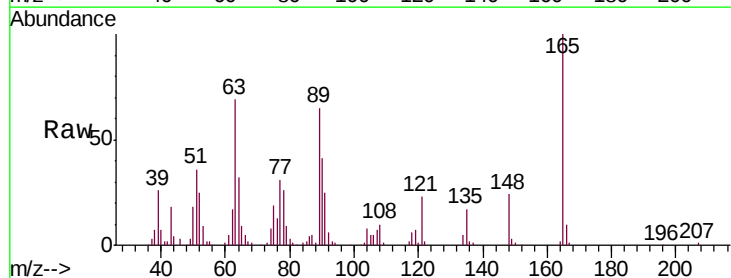


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

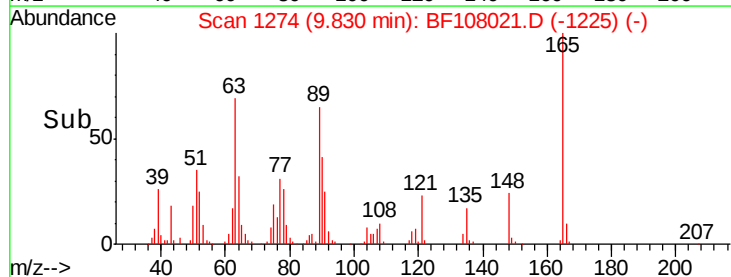
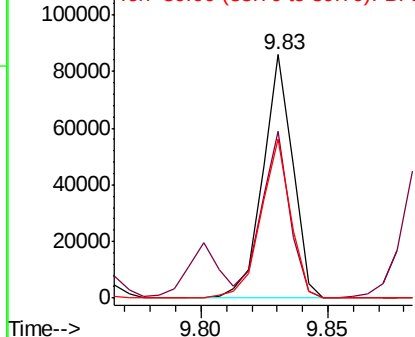


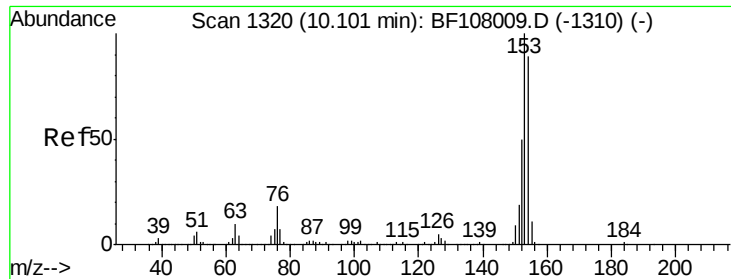
#50
2,6-Dinitrotoluene
Concen: 8.249 ng
RT: 9.83 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:165 Resp: 70098
Ion Ratio Lower Upper
165 100
63 68.6 44.7 67.1#
89 65.5 44.0 66.0



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





#51

Acenaphthene

Concen: 8.697 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

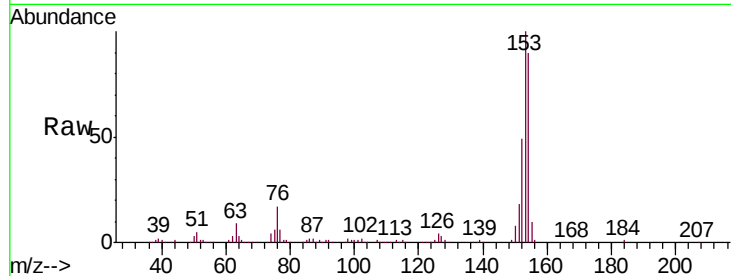
Tgt Ion:154 Resp: 286153

Ion Ratio Lower Upper

154 100

153 111.1 91.2 136.8

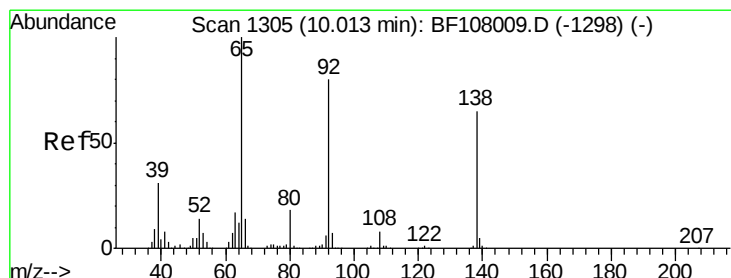
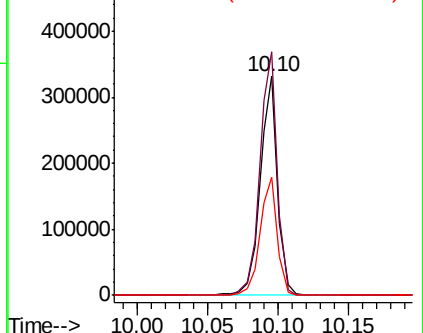
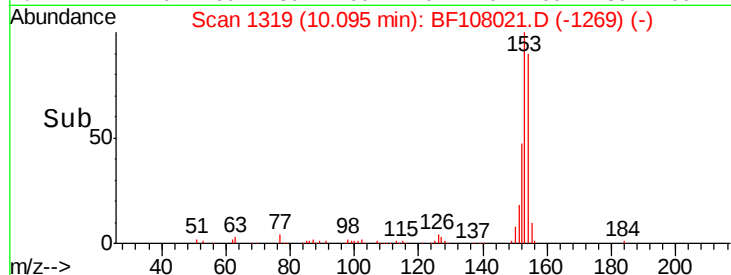
152 53.9 43.8 65.8



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



#52

3-Nitroaniline

Concen: 7.058 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

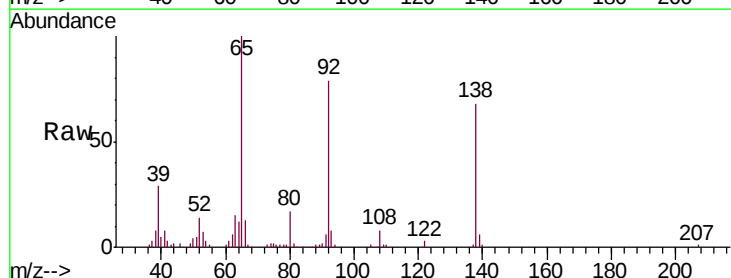
Tgt Ion:138 Resp: 65620

Ion Ratio Lower Upper

138 100

108 11.6 9.4 14.0

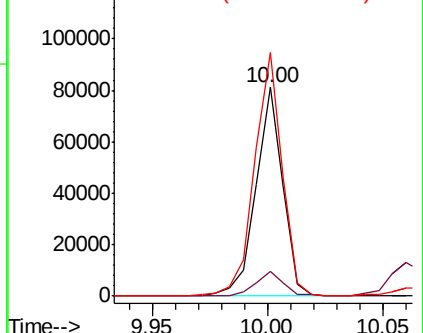
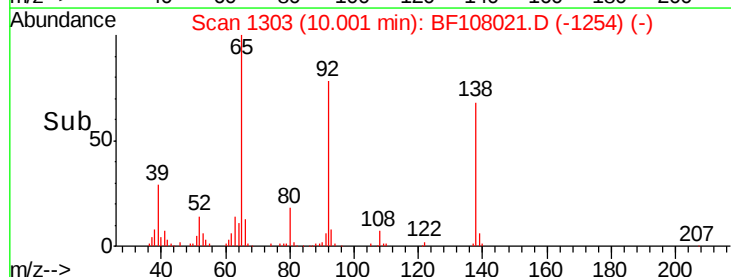
92 116.6 89.4 134.2

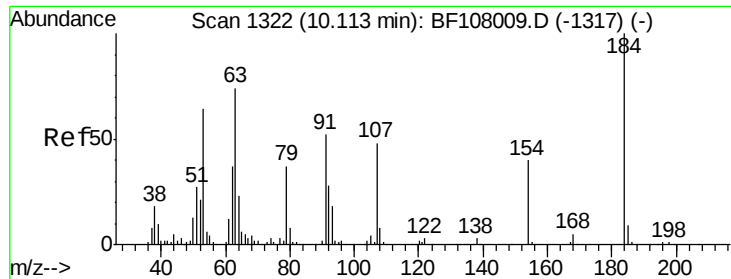


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

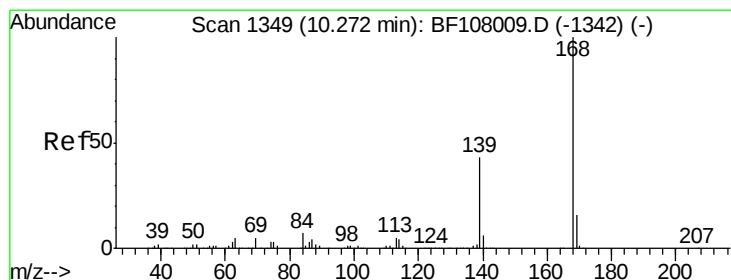
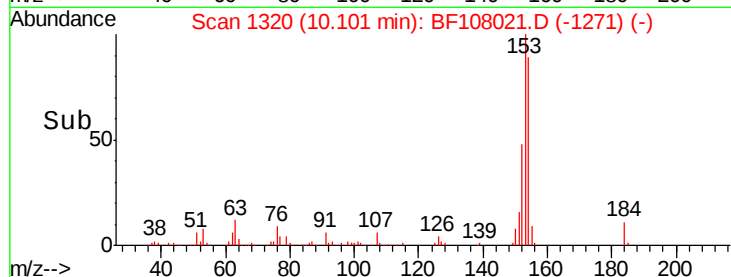
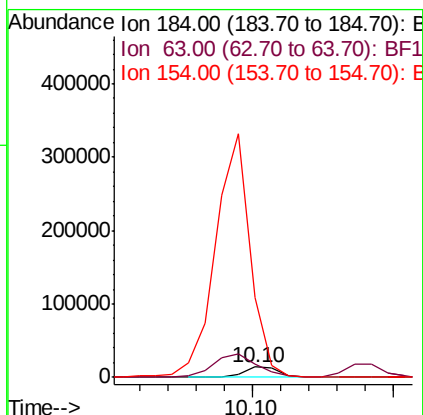
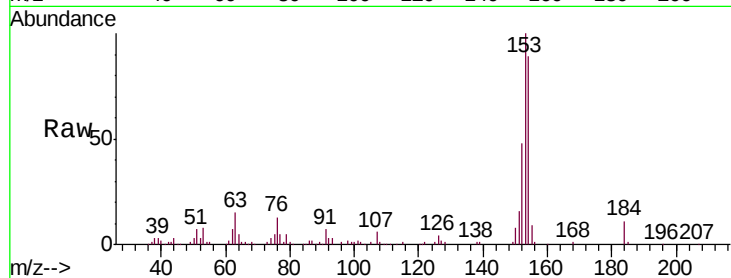




#53
2,4-Dinitrophenol
Concen: 10.531 ng
RT: 10.10 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

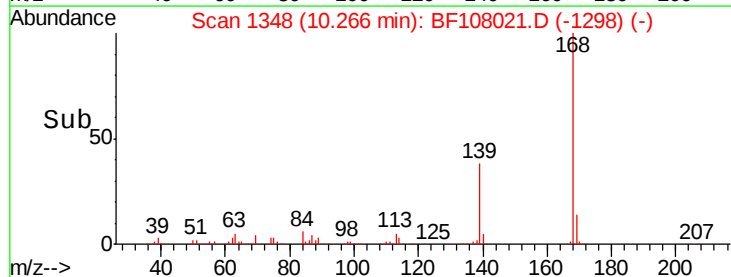
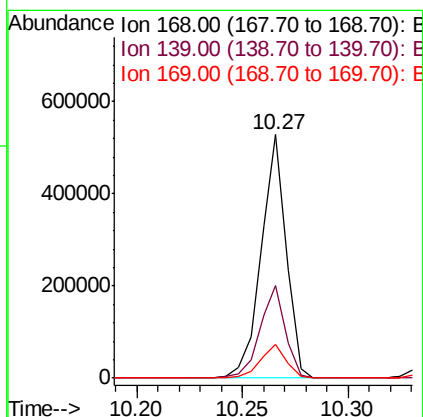
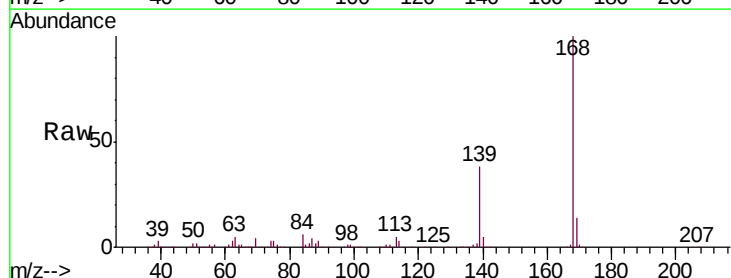
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

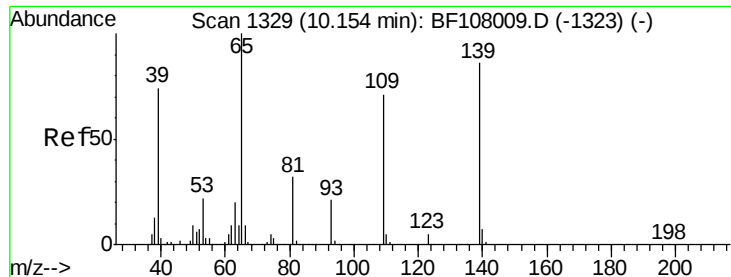
Tgt Ion:184 Resp: 12239
Ion Ratio Lower Upper
184 100
63 130.5 54.2 81.2#
154 783.4 184.0 276.0#



#54
Dibenzofuran
Concen: 9.131 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:168 Resp: 435260
Ion Ratio Lower Upper
168 100
139 37.8 30.1 45.1
169 13.8 10.9 16.3

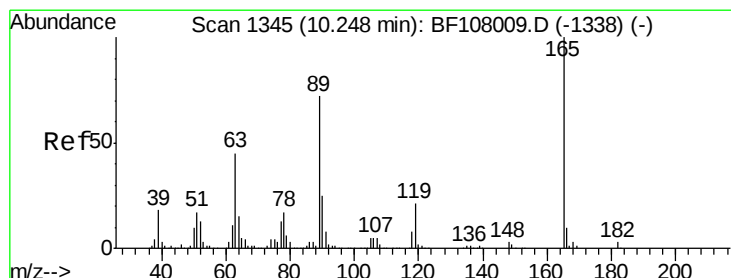
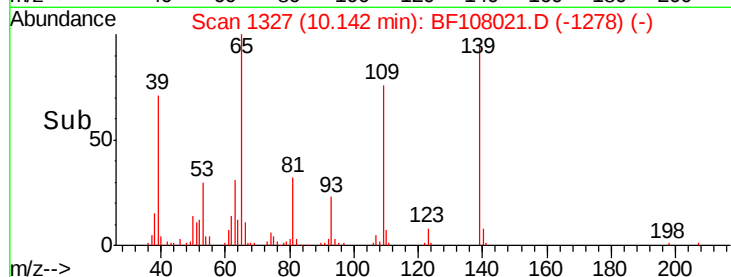
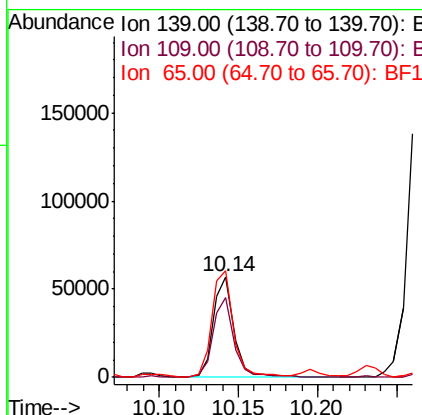
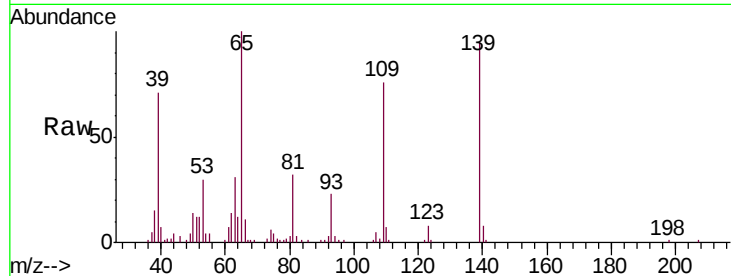




#55
4-Nitrophenol
Concen: 7.392 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

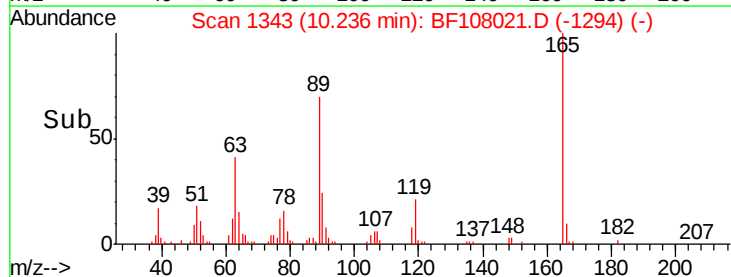
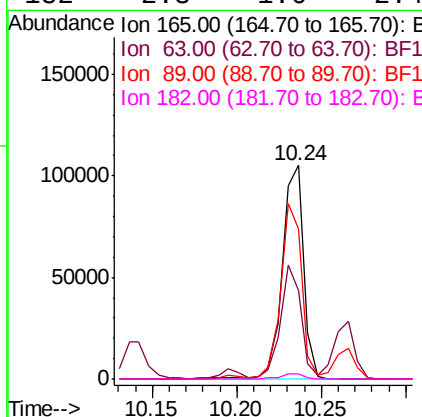
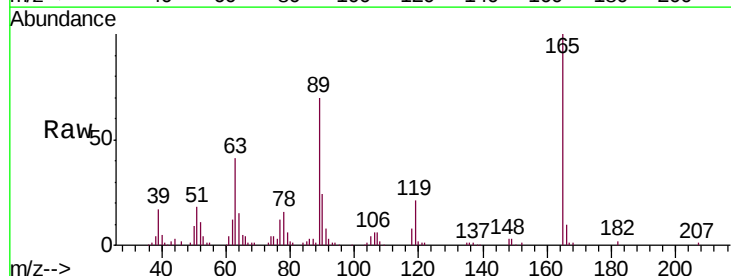
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

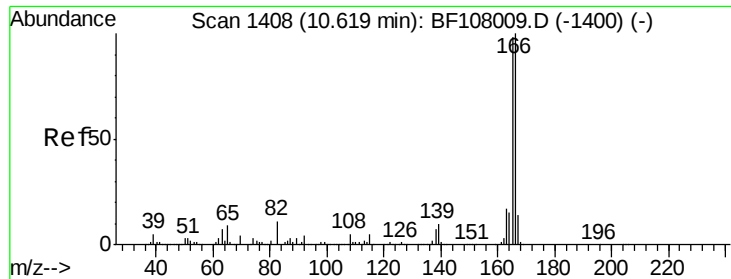
Tgt Ion:139 Resp: 52041
Ion Ratio Lower Upper
139 100
109 79.8 48.4 88.4
65 105.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 8.362 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:165 Resp: 91468
Ion Ratio Lower Upper
165 100
63 41.3 36.4 54.6
89 70.3 57.8 86.6
182 2.3 1.6 2.4

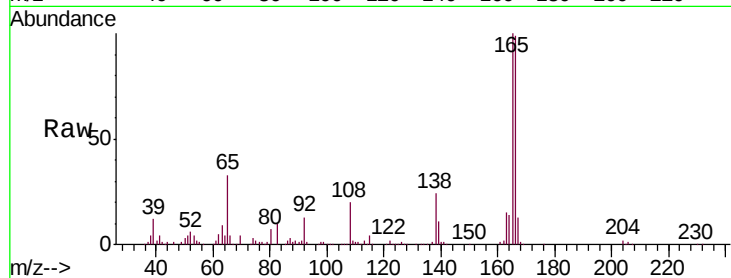




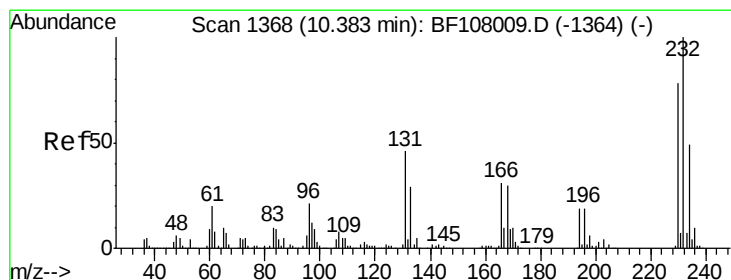
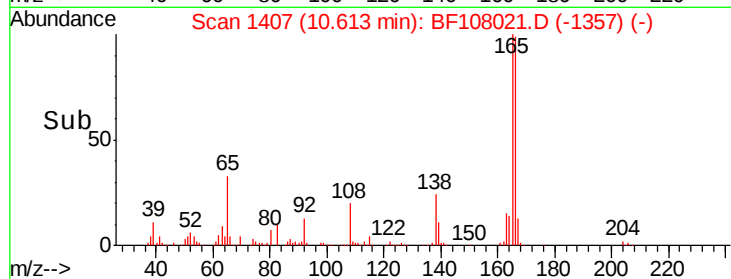
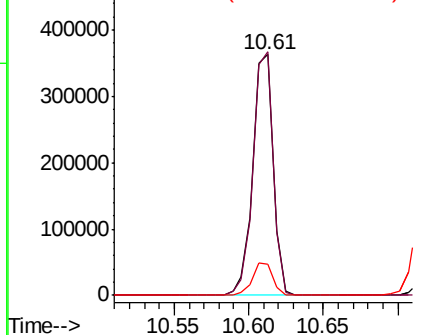
#57
Fluorene
Concen: 9.061 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:166 Resp: 341895
Ion Ratio Lower Upper
166 100
165 101.0 79.8 119.8
167 12.9 10.6 16.0



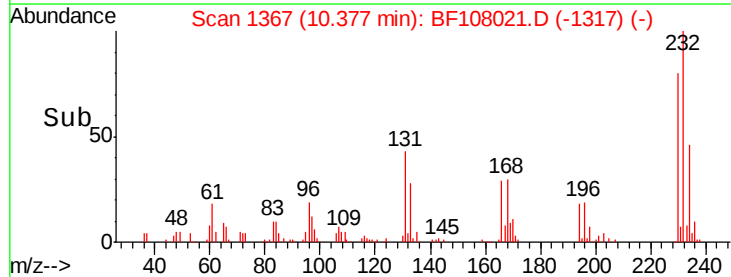
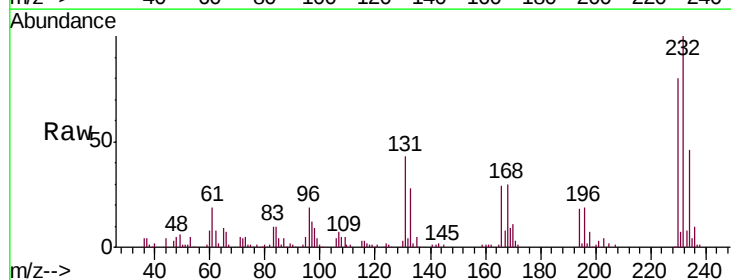
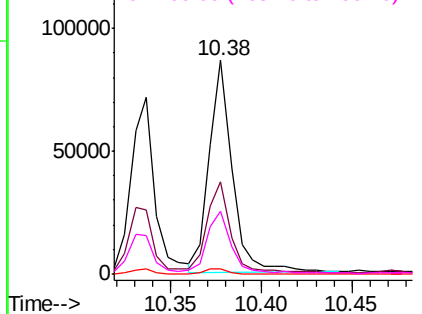
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

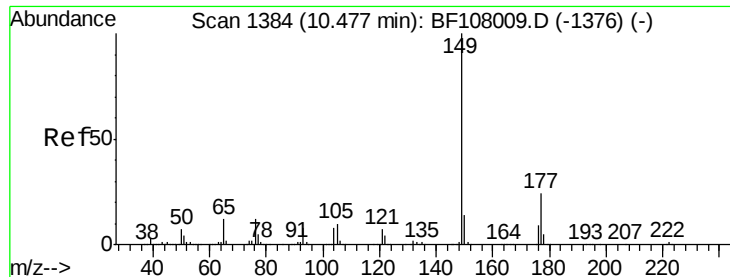


#58
2,3,4,6-Tetrachlorophenol
Concen: 7.509 ng
RT: 10.38 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:232 Resp: 76766
Ion Ratio Lower Upper
232 100
131 48.5 43.8 65.8
130 2.4 2.1 3.1
166 33.0 27.8 41.6

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

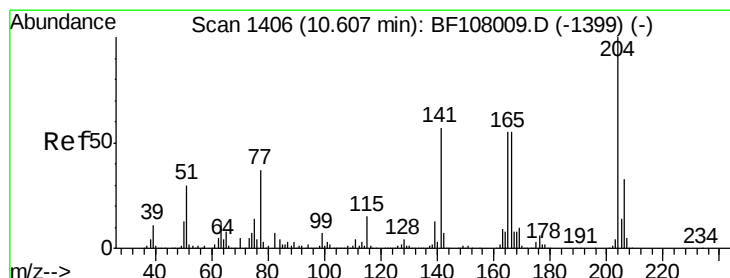
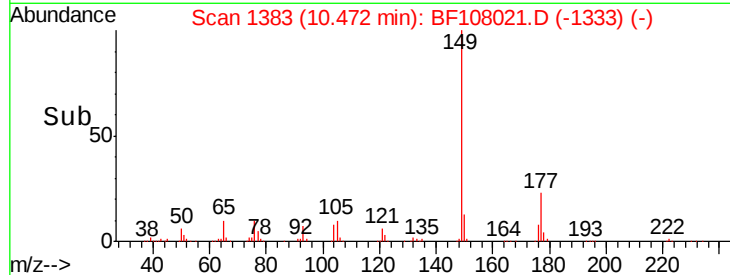
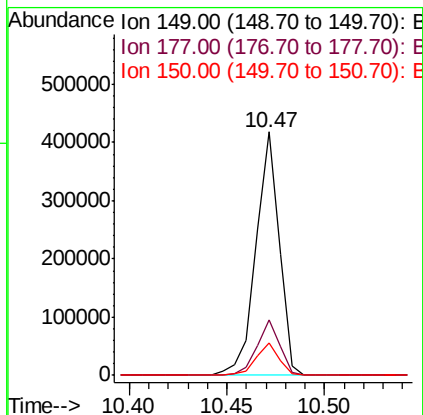
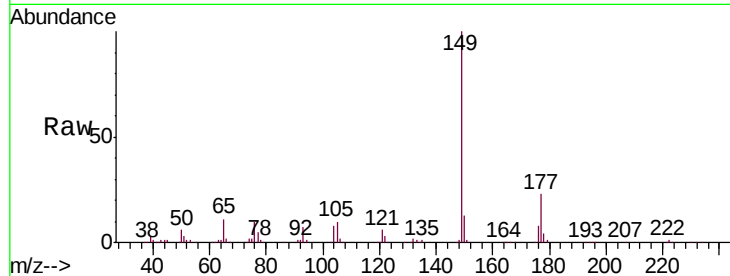




#59
Diethylphthalate
Concen: 8.806 ng
RT: 10.47 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

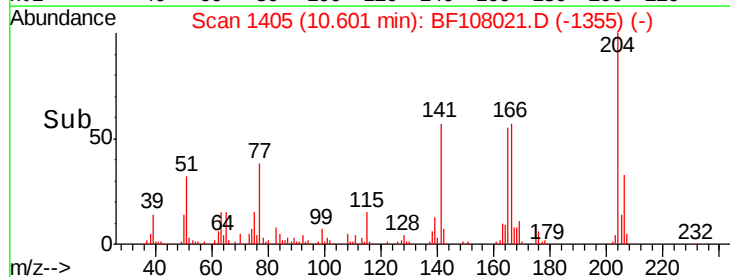
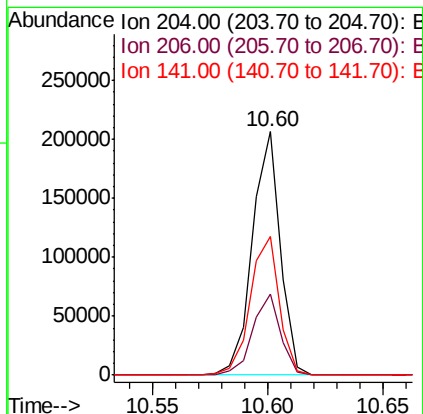
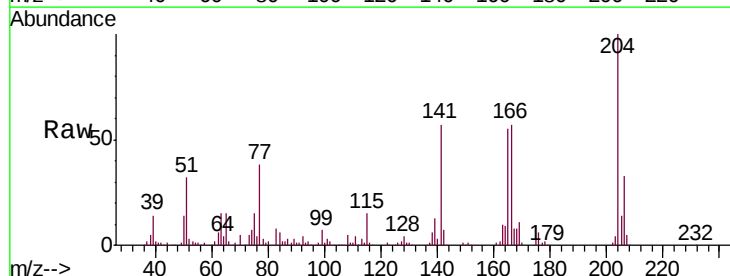
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

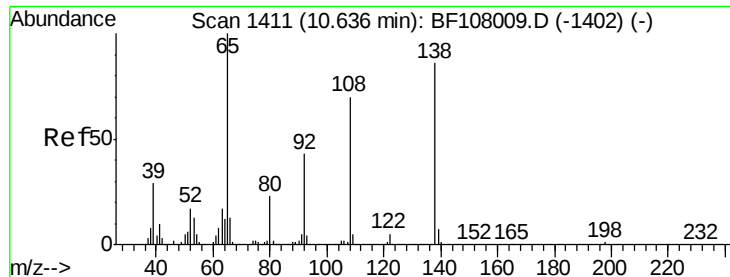
Tgt Ion:149 Resp: 346356
Ion Ratio Lower Upper
149 100
177 22.7 16.1 24.1
150 13.2 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 8.911 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:204 Resp: 175213
Ion Ratio Lower Upper
204 100
206 33.2 26.5 39.7
141 57.1 54.6 81.8

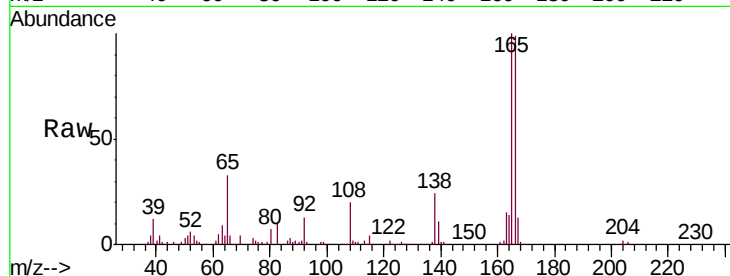




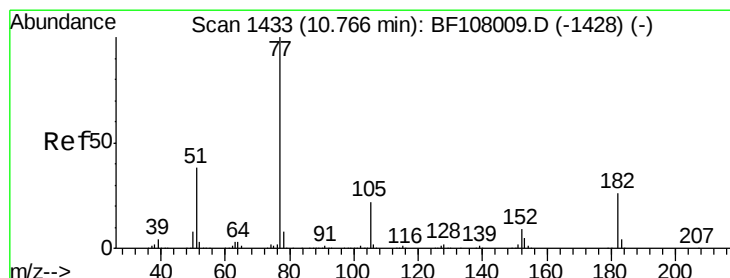
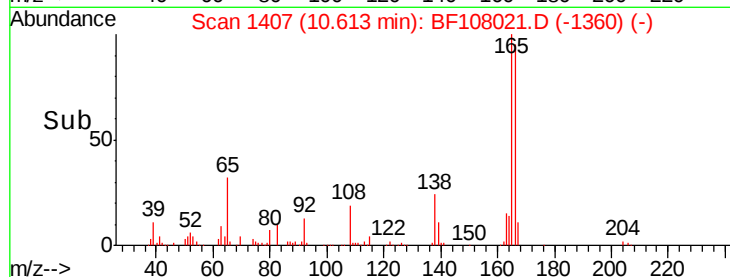
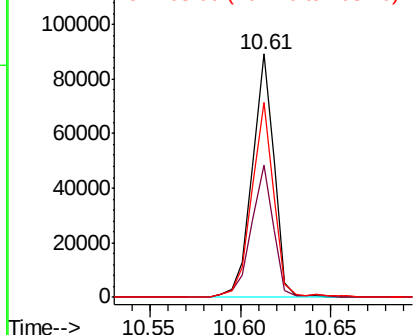
#61
4-Nitroaniline
Concen: 8.114 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 138 Resp: 74584
Ion Ratio Lower Upper
138 100
92 54.2 30.2 70.2
108 80.3 52.5 92.5

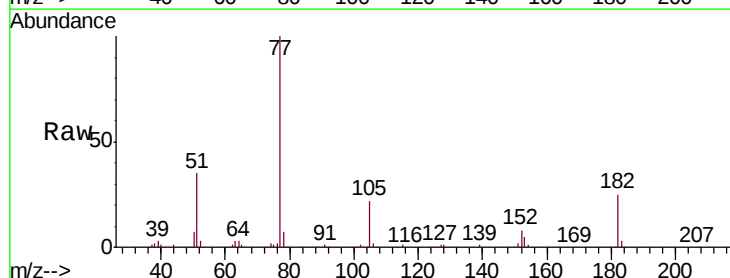


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

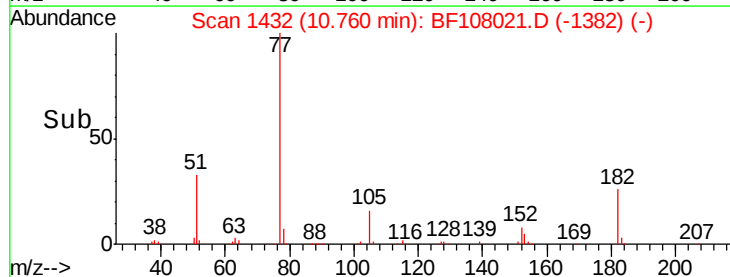
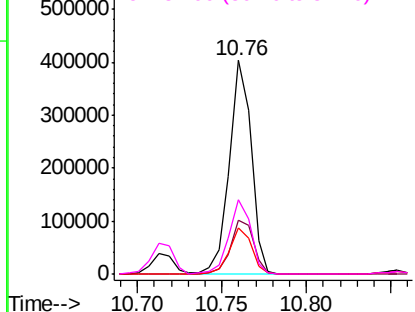


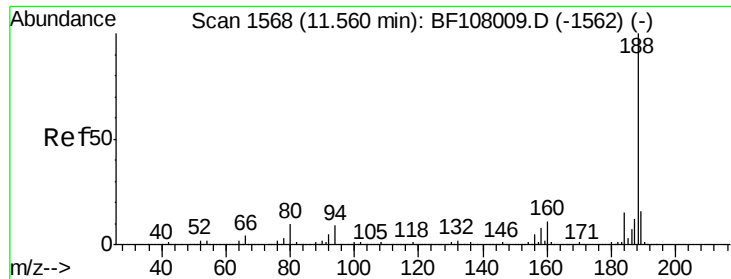
#62
Azobenzene
Concen: 8.941 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion: 77 Resp: 363143
Ion Ratio Lower Upper
77 100
182 25.3 1.7 41.7
105 21.8 3.0 43.0
51 34.7 9.9 49.9



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

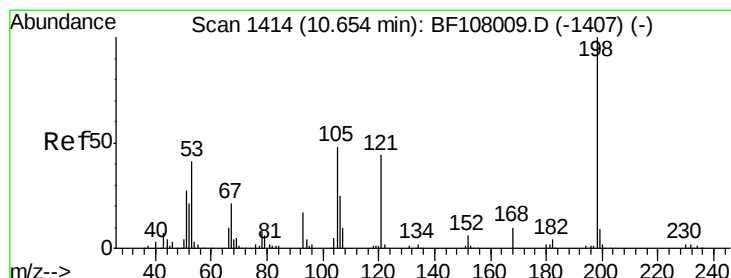
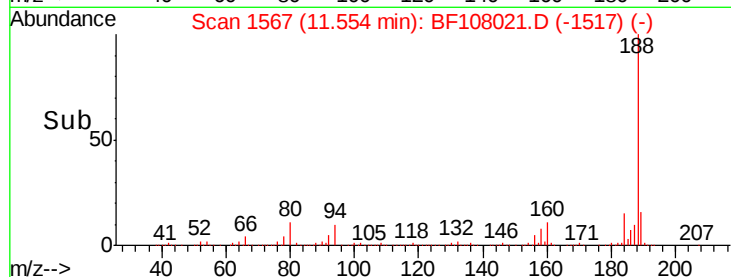
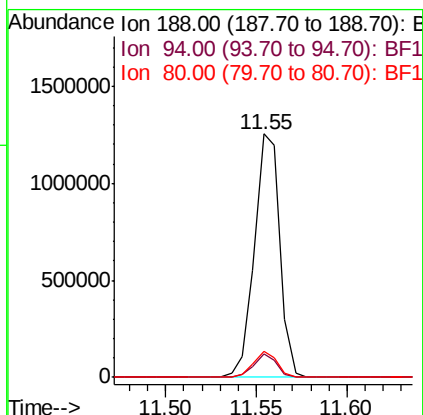
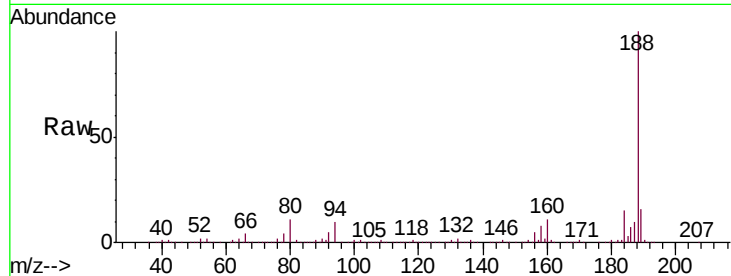




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

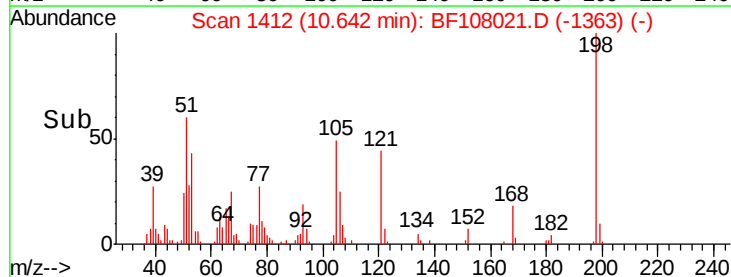
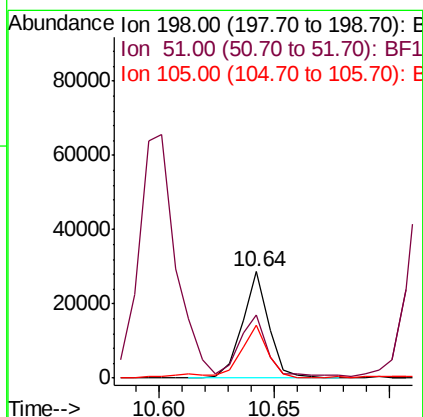
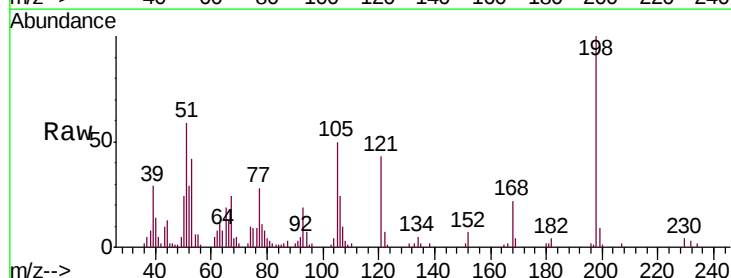
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

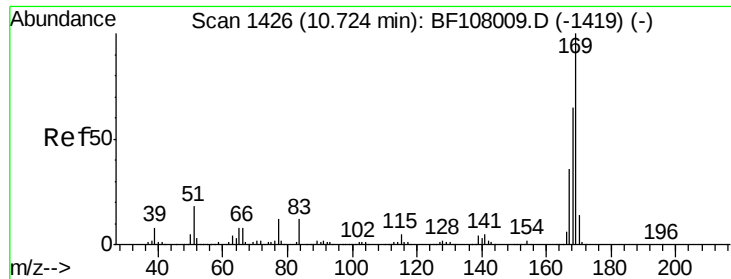
Tgt Ion:188 Resp: 1221918
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.834 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:198 Resp: 23111
Ion Ratio Lower Upper
198 100
51 58.9 37.7 77.7
105 49.6 36.3 76.3

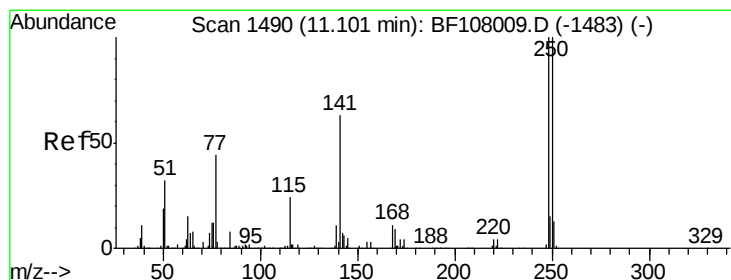
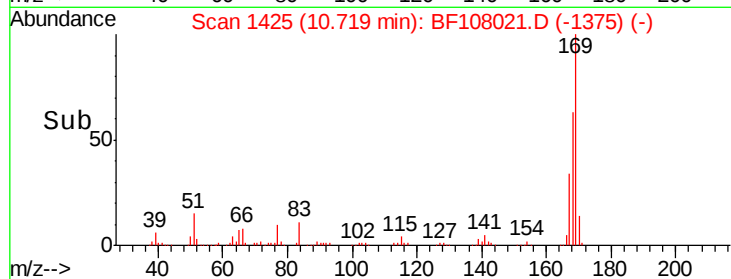
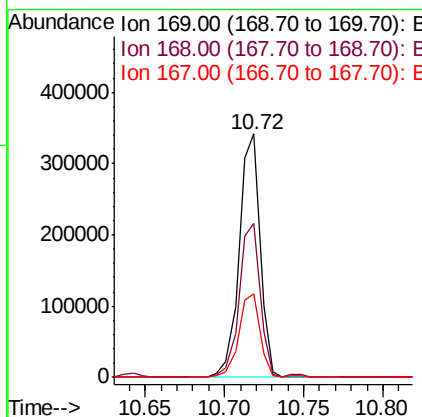
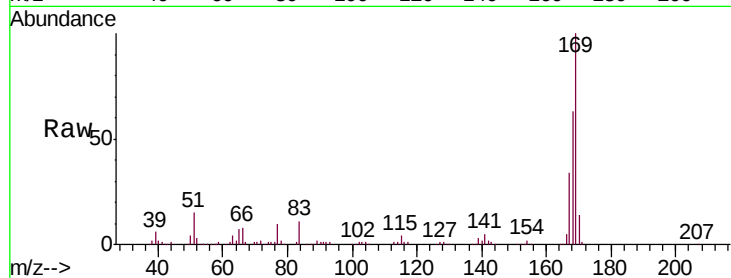




#65
n-Nitrosodiphenylamine
Concen: 8.693 ng
RT: 10.72 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

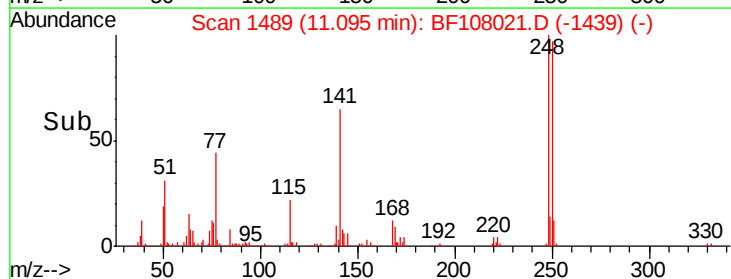
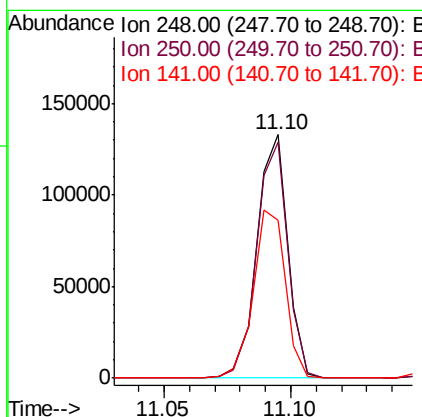
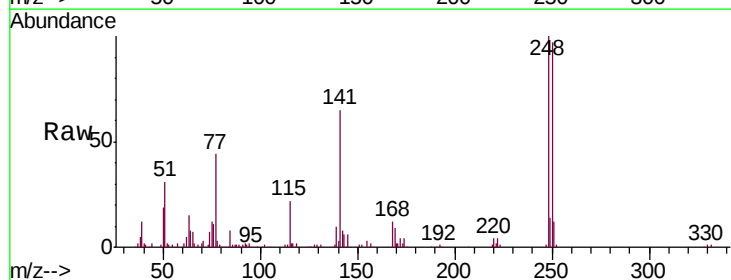
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

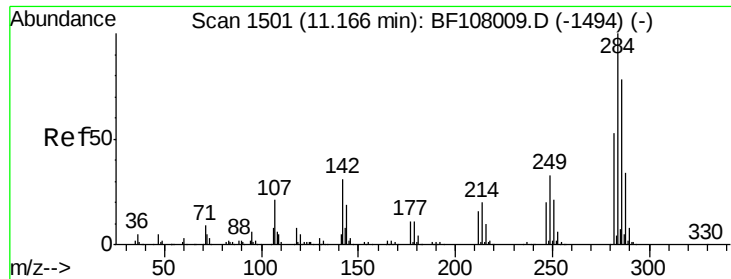
Tgt Ion:169 Resp: 313897
Ion Ratio Lower Upper
169 100
168 63.0 54.4 81.6
167 34.5 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 8.506 ng
RT: 11.10 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:248 Resp: 112946
Ion Ratio Lower Upper
248 100
250 97.0 76.9 115.3
141 64.8 74.4 111.6#





#67

Hexachlorobenzene

Concen: 8.582 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

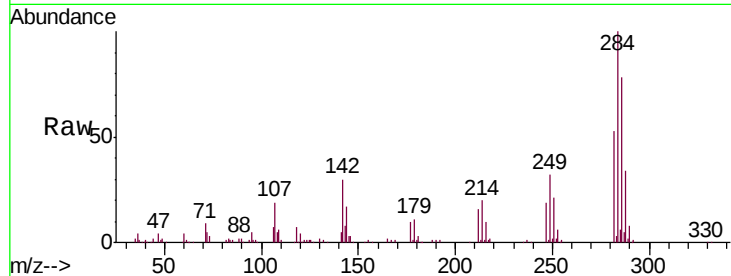
Tgt Ion:284 Resp: 119903

Ion Ratio Lower Upper

284 100

142 29.9 34.6 52.0#

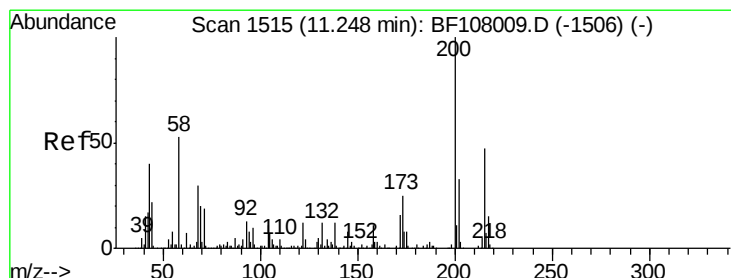
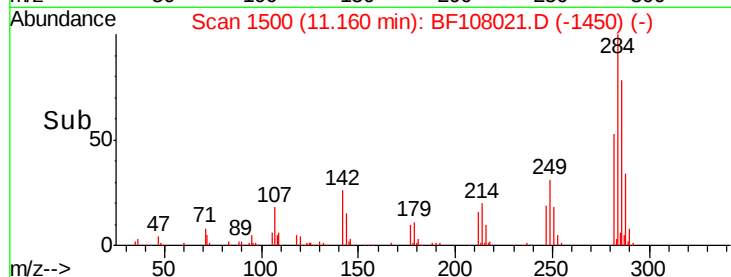
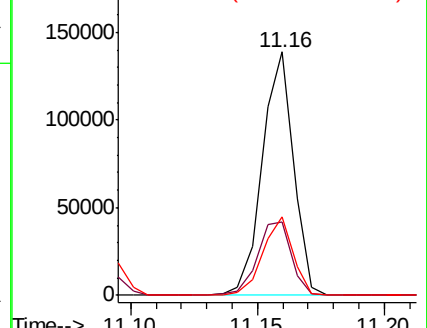
249 32.3 24.8 37.2



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



#68

Atrazine

Concen: 8.347 ng

RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

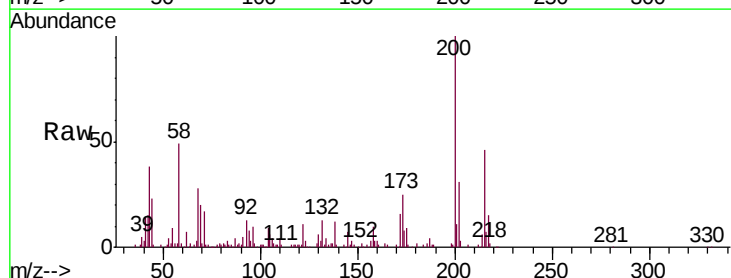
Tgt Ion:200 Resp: 101090

Ion Ratio Lower Upper

200 100

173 25.2 8.6 48.6

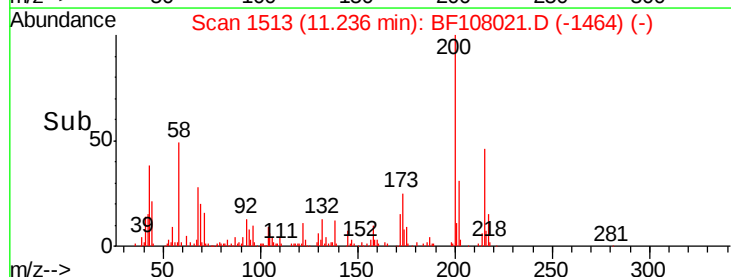
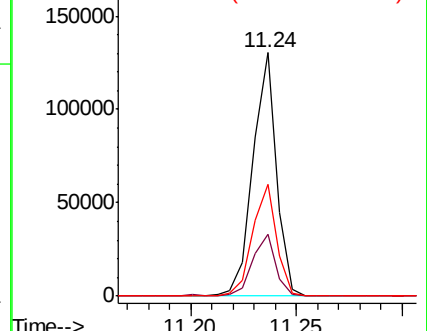
215 45.9 25.1 65.1

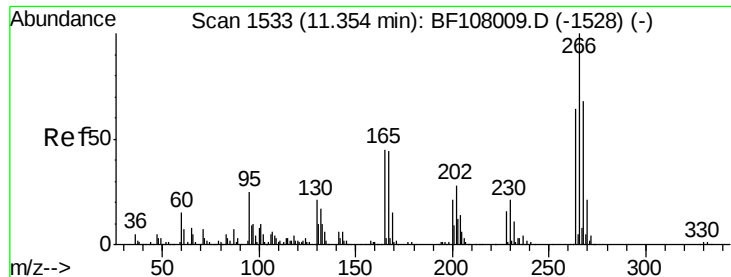


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

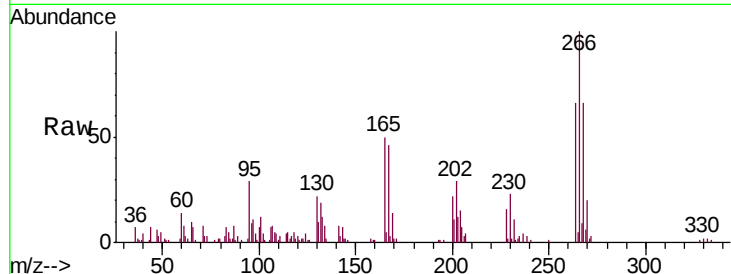




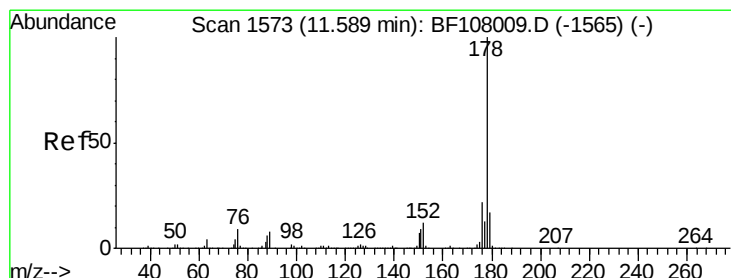
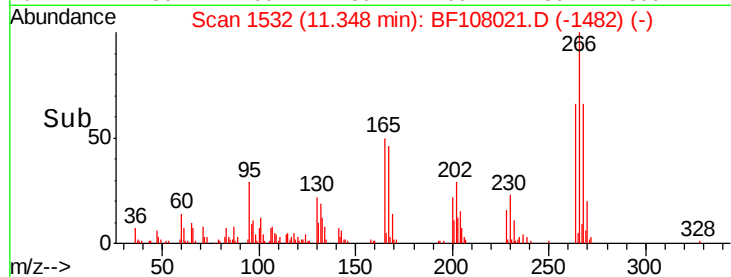
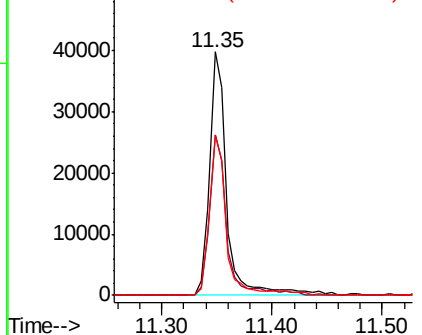
#69
 Pentachlorophenol
 Concen: 6.269 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 266 Resp: 41923
 Ion Ratio Lower Upper
 266 100
 268 66.1 51.1 76.7
 264 65.9 49.5 74.3

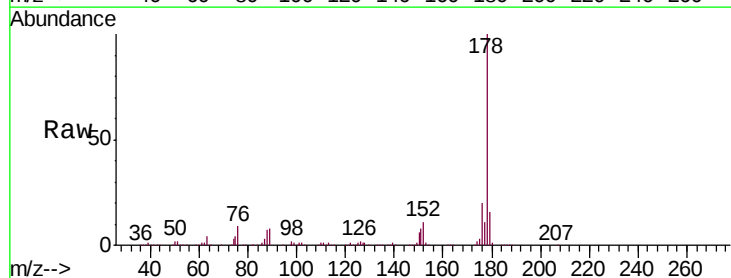


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

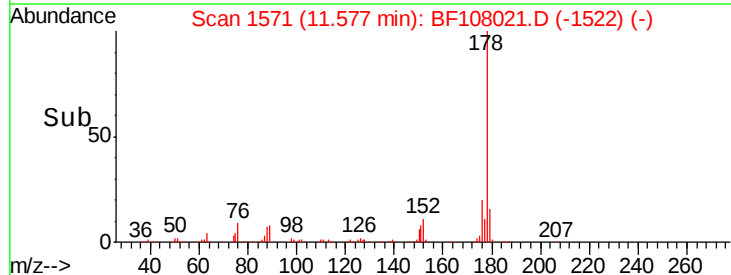
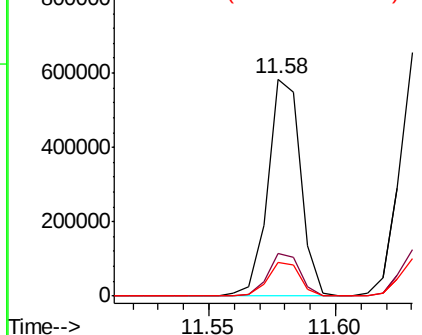


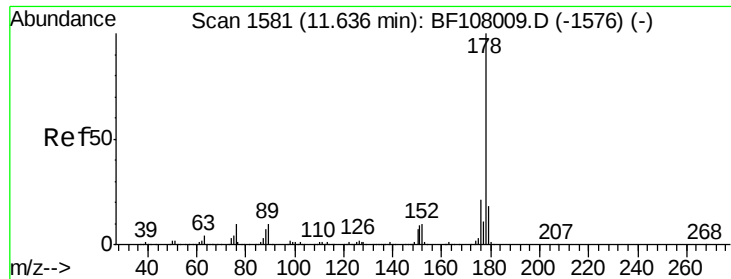
#70
 Phenanthrene
 Concen: 9.197 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion: 178 Resp: 530083
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.5 13.0 19.6



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

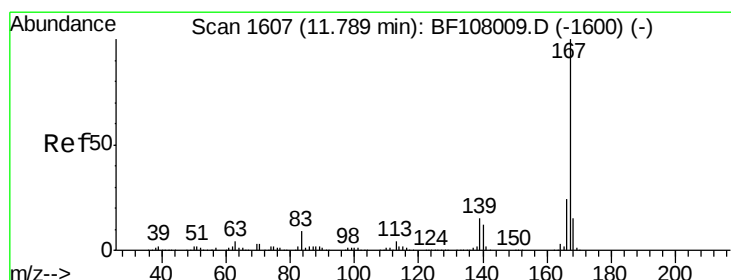
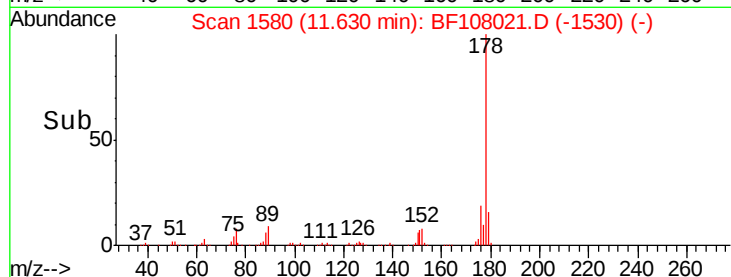
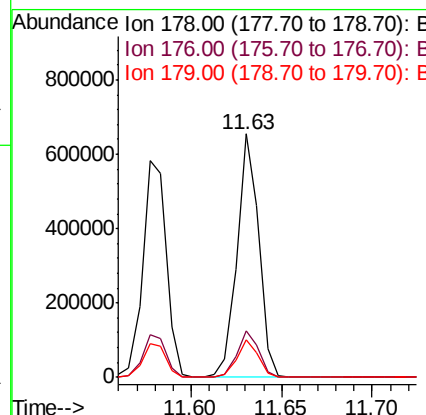
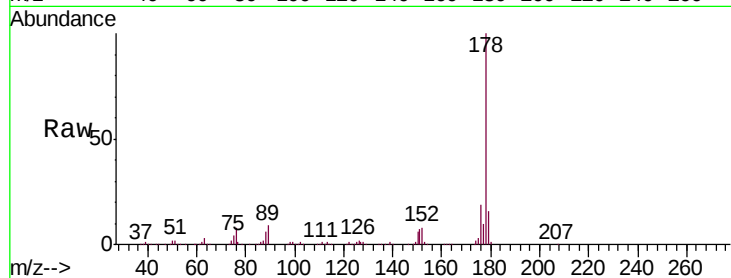




#71
 Anthracene
 Concen: 9.281 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

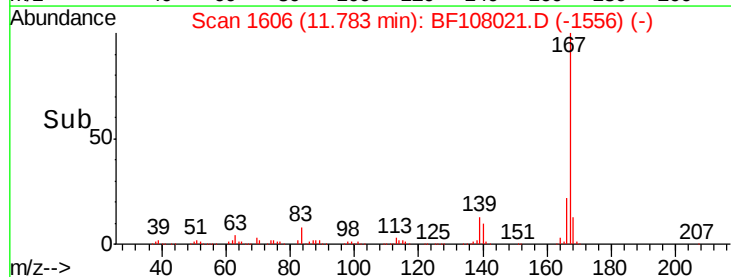
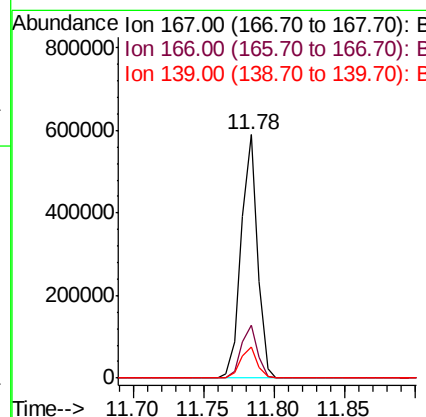
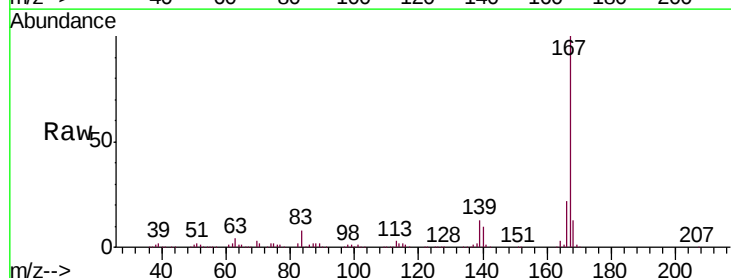
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

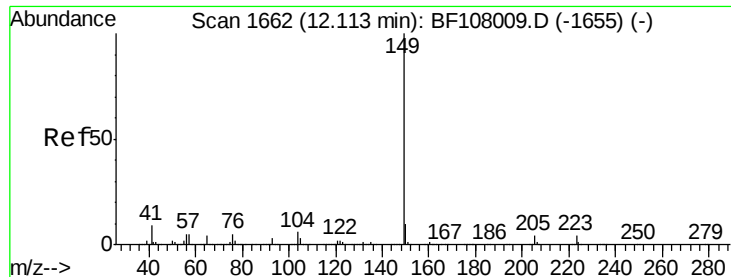
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	19.0



#72
 Carbazole
 Concen: 9.043 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.0	10.9	16.3





#73

Di-n-butylphthalate

Concen: 9.251 ng

RT: 12.11 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

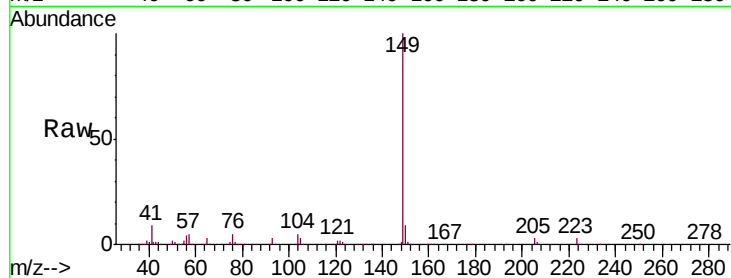
Tgt Ion:149 Resp: 549942

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

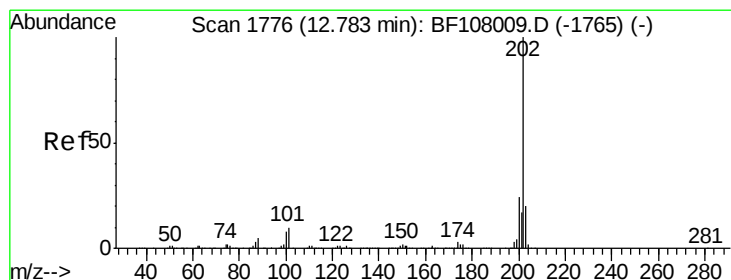
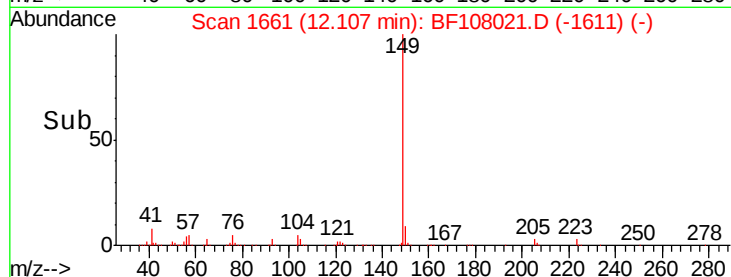
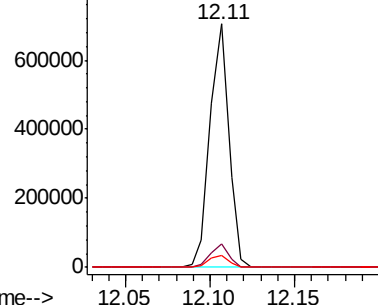
104 4.7 3.8 5.8



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



#74

Fluoranthene

Concen: 9.314 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

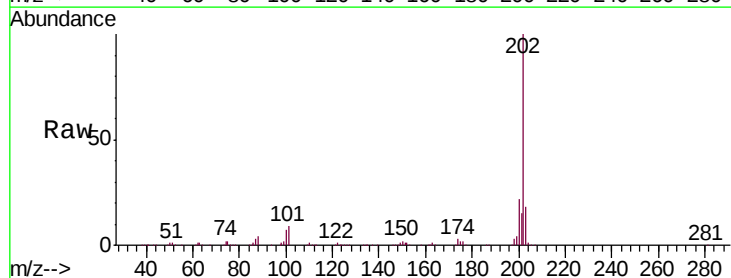
Tgt Ion:202 Resp: 585822

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.1

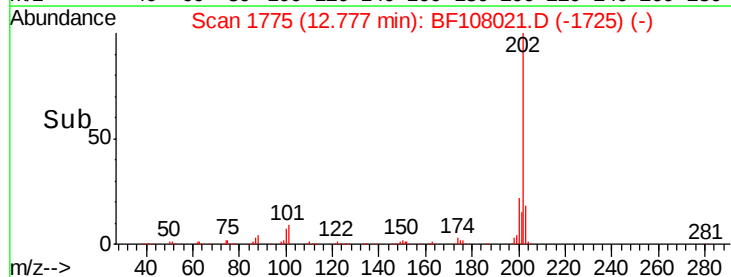
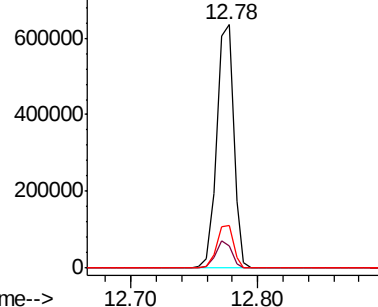
203 17.6 0.0 38.1

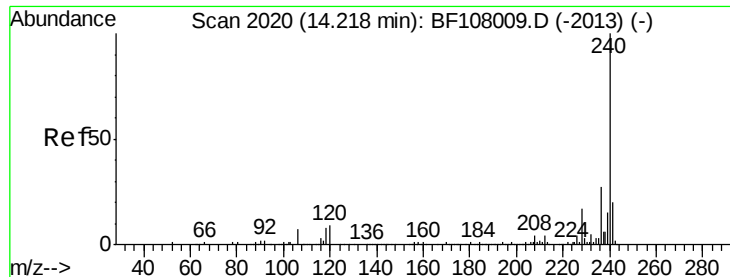


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

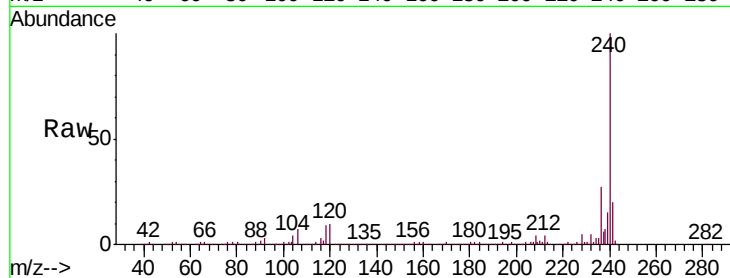
Tgt Ion:240 Resp: 1056465

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

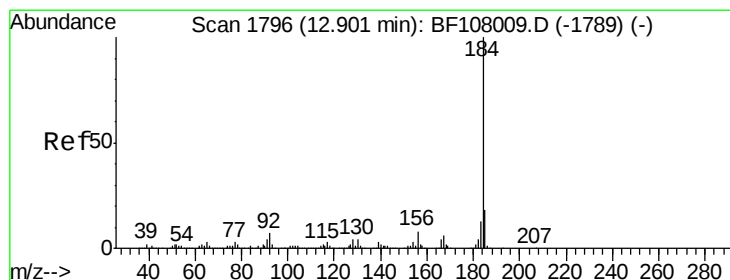
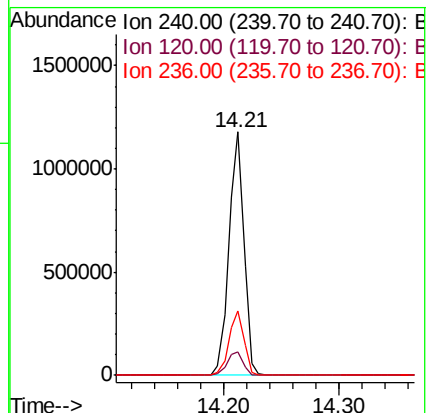
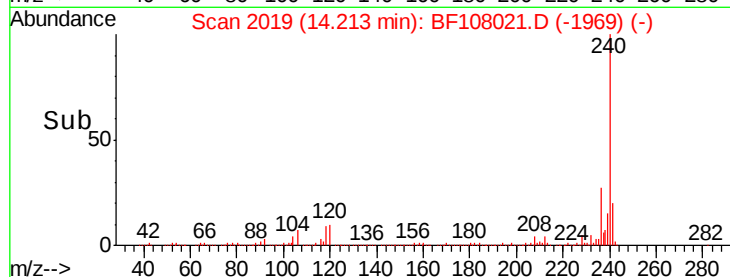
236 26.6 20.7 31.1



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



#76

Benzidine

Concen: 1.474 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.25 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

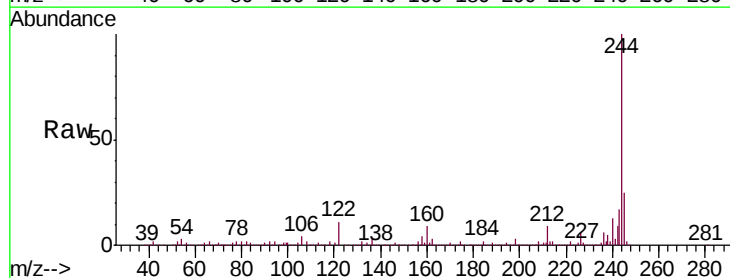
Tgt Ion:184 Resp: 58184

Ion Ratio Lower Upper

184 100

185 15.2 12.6 18.8

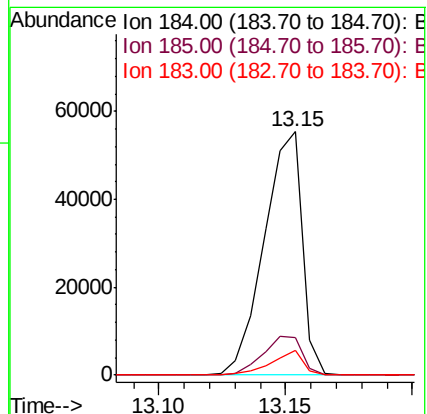
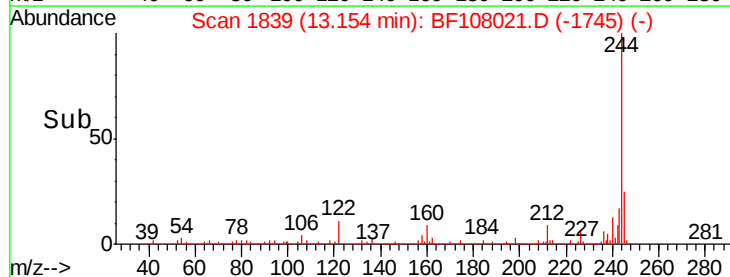
183 10.2 9.3 13.9

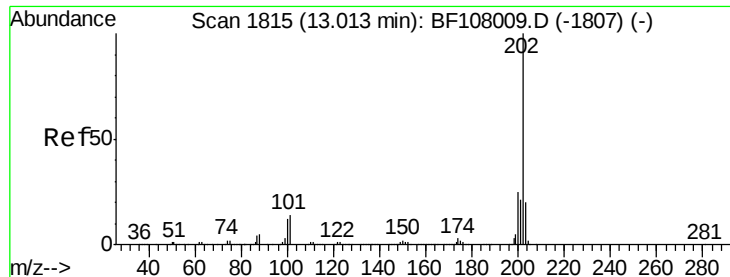


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

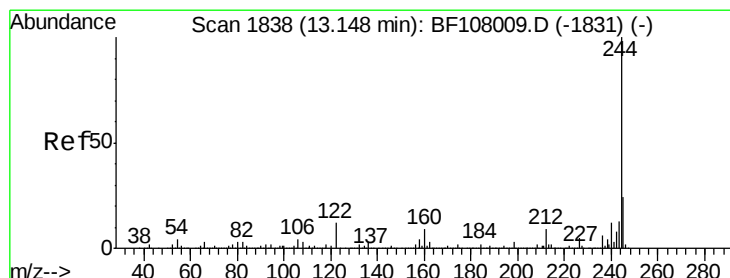
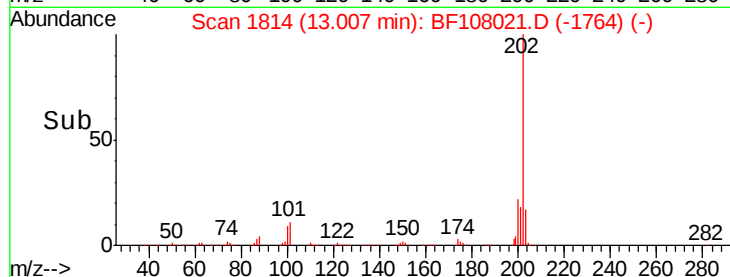
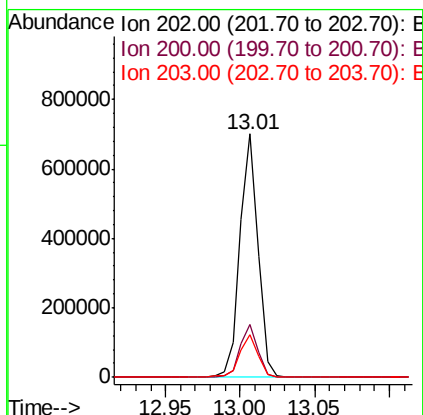
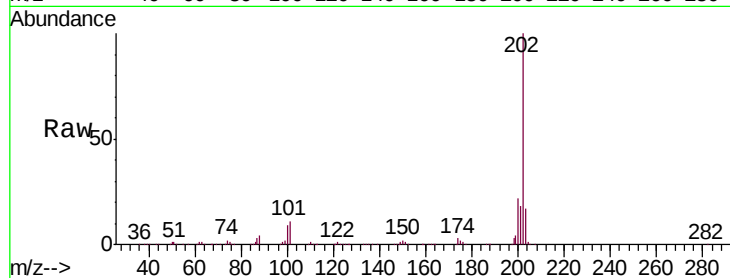




#77
 Pyrene
 Concen: 8.818 ng
 RT: 13.01 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

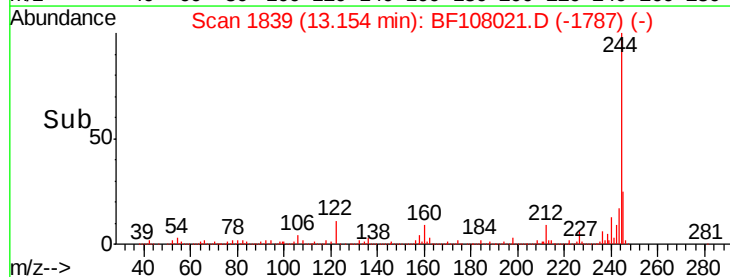
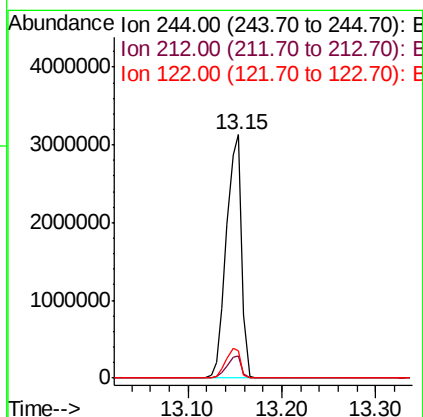
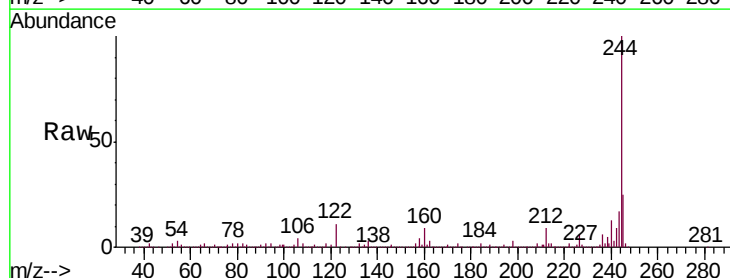
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

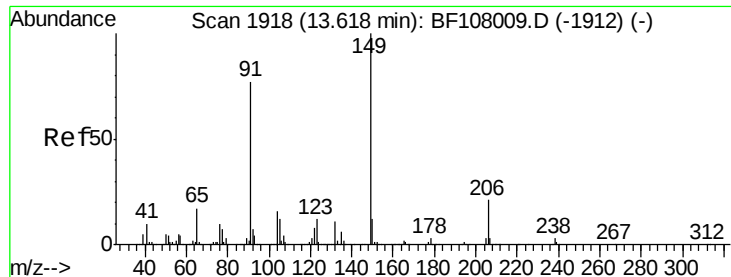
Tgt Ion: 202 Resp: 589781
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 17.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 85.070 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion: 244 Resp: 3534741
 Ion Ratio Lower Upper
 244 100
 212 9.3 5.4 8.0#
 122 11.5 11.0 16.4

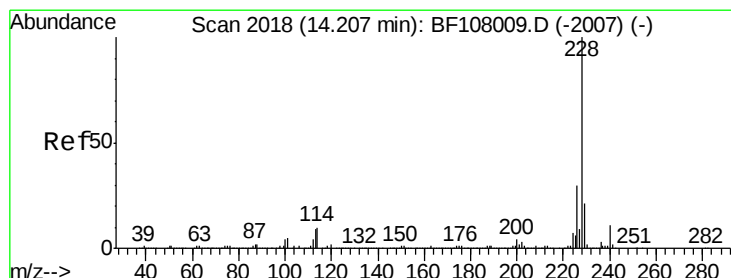
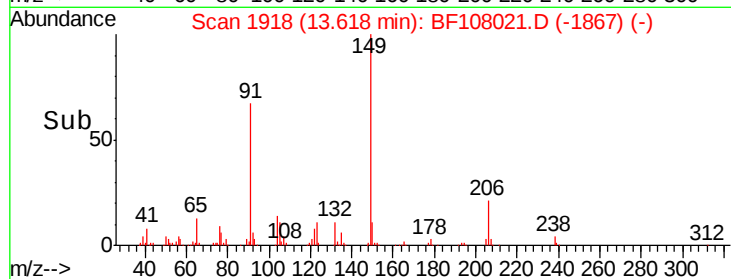
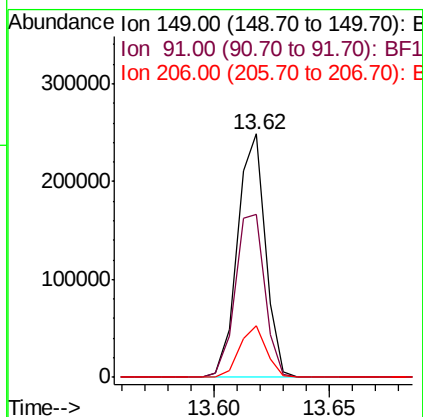
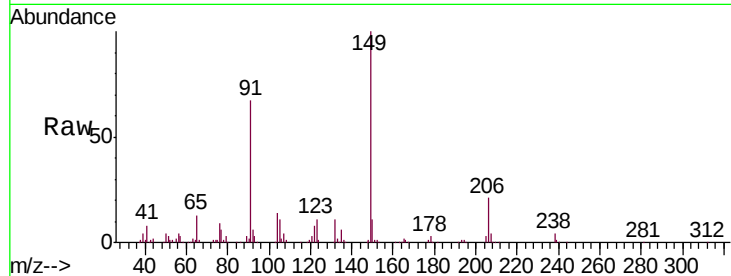




#79
Butylbenzylphthalate
Concen: 7.906 ng
RT: 13.62 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

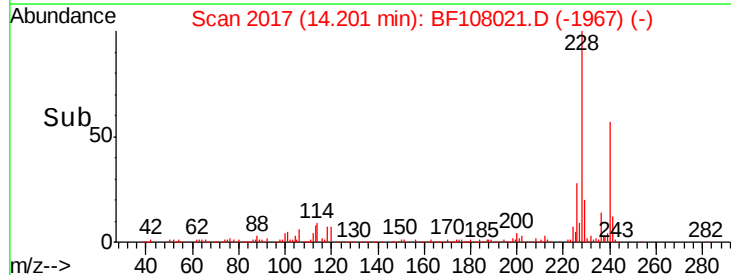
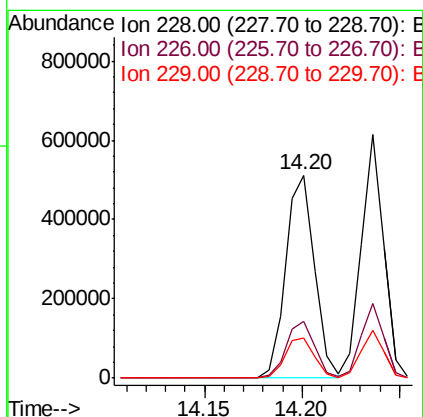
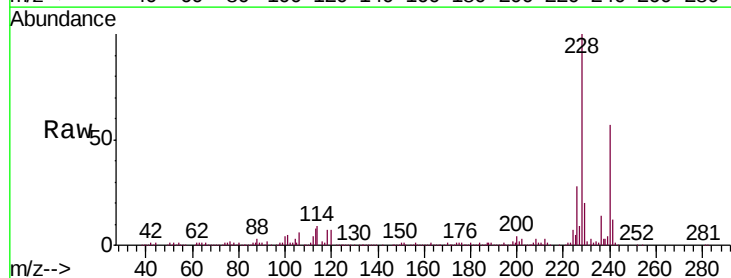
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

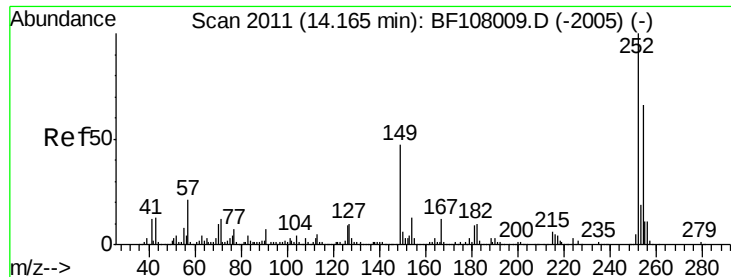
Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.9	56.8	85.2
206	21.5	14.1	21.1#



#80
Benzo(a)anthracene
Concen: 8.627 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.0	15.8	23.6

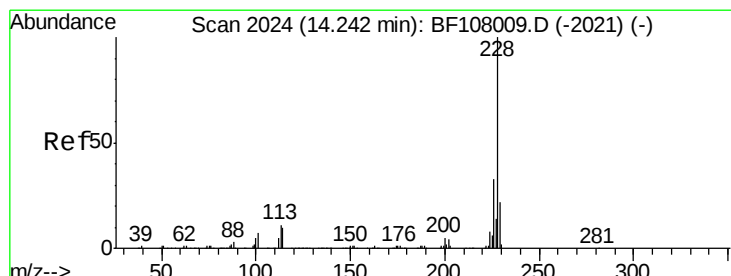
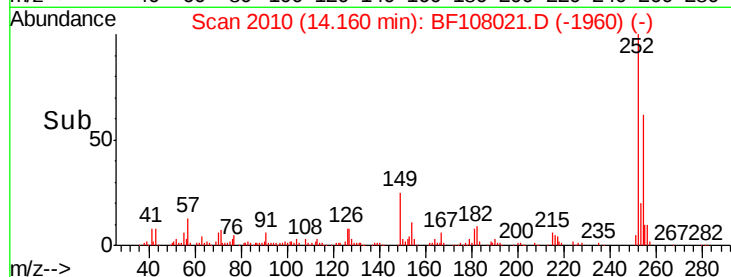
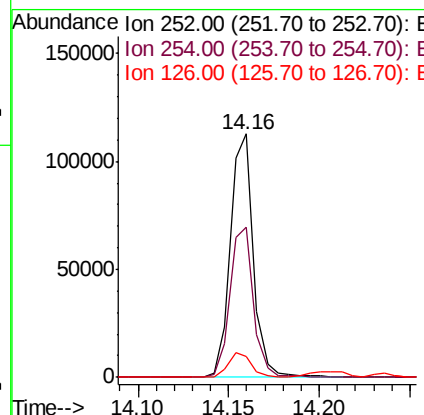
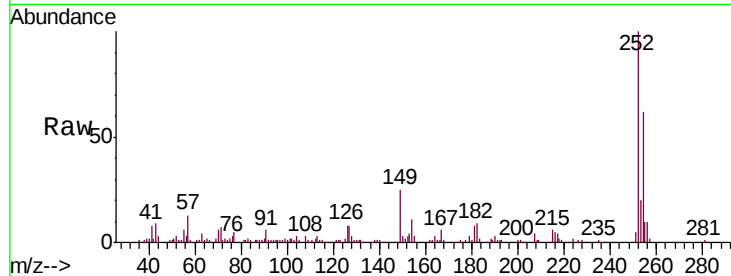




#81
 3,3'-Dichlorobenzidine
 Concen: 4.572 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

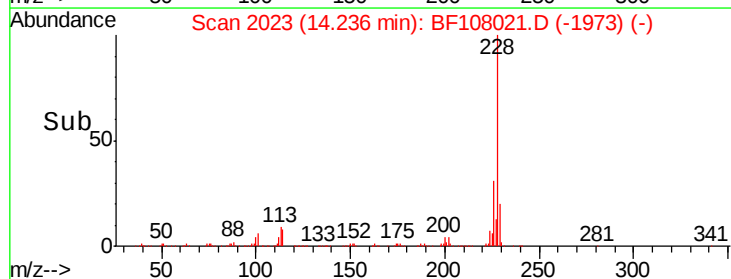
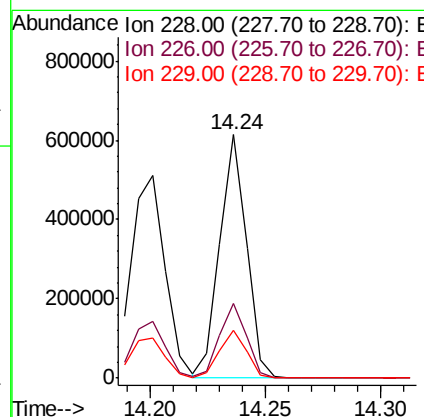
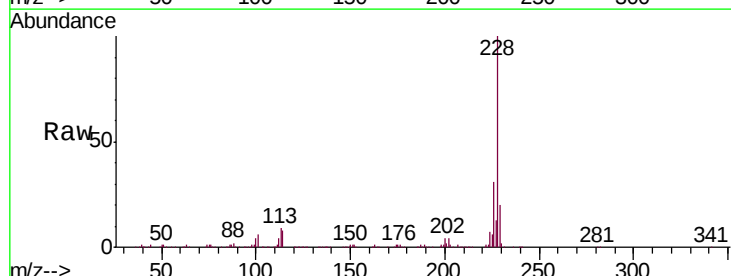
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

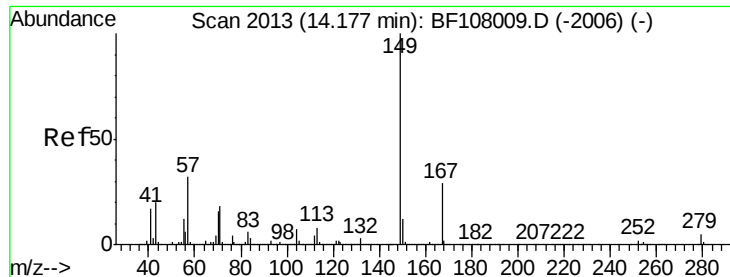
Tgt Ion: 252 Resp: 99332
 Ion Ratio Lower Upper
 252 100
 254 61.9 50.4 75.6
 126 8.5 11.3 16.9#



#82
 Chrysene
 Concen: 8.849 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion: 228 Resp: 491848
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.0 37.6
 229 19.7 16.2 24.4

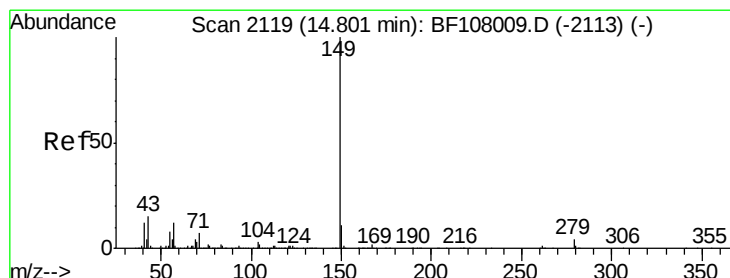
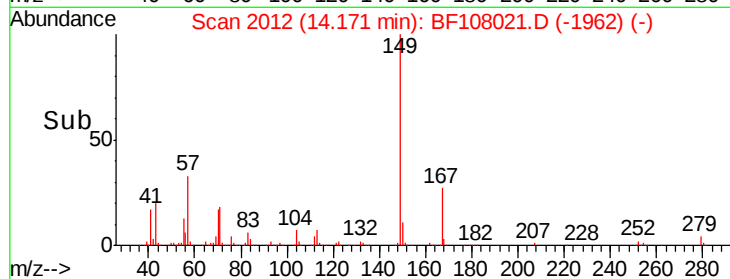
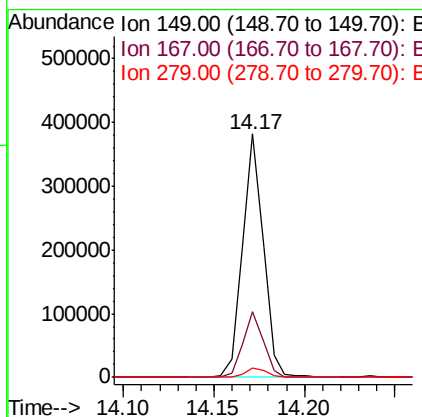
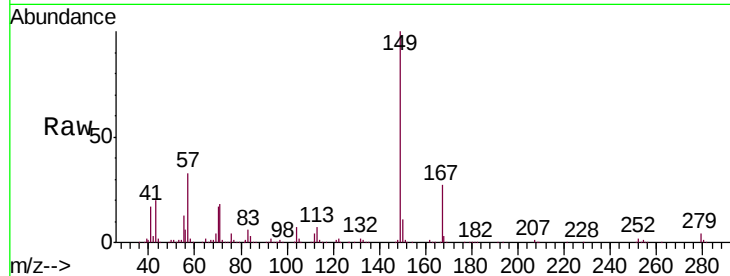




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.485 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

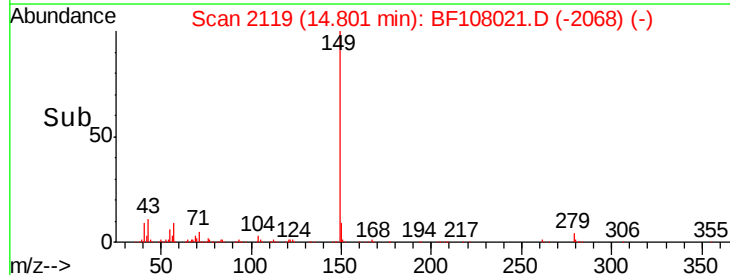
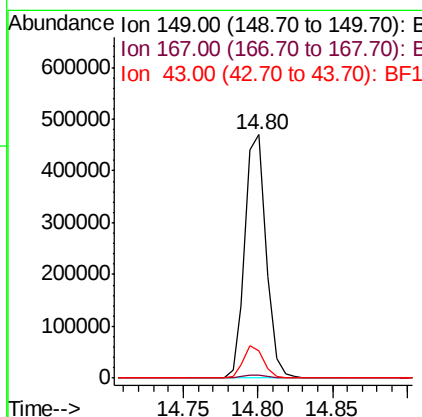
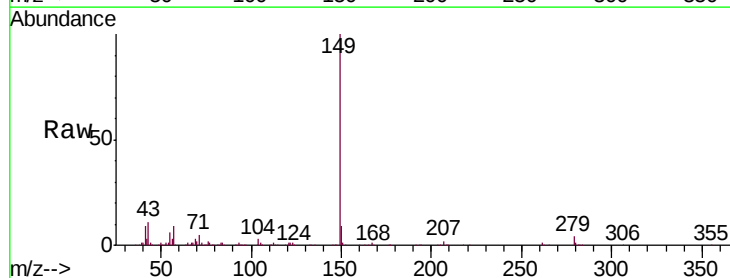
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

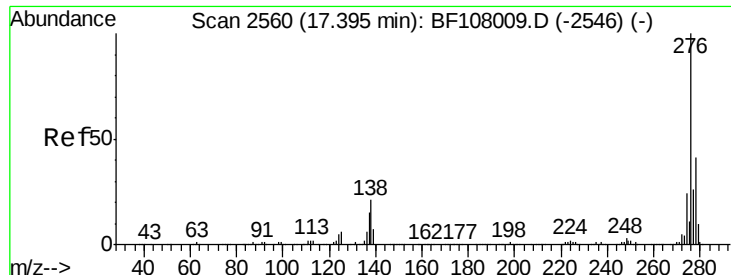
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	4.0	3.0	4.4



#84
 Di-n-octyl phthalate
 Concen: 8.471 ng
 RT: 14.80 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	12.6	8.4	12.6#

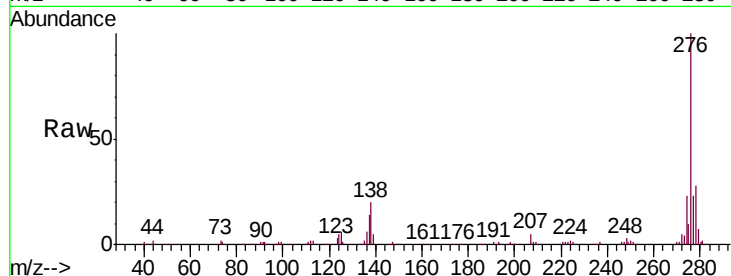




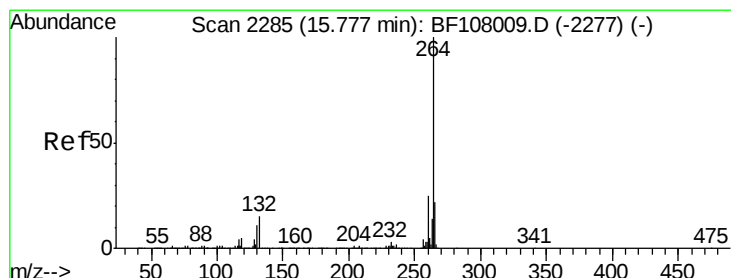
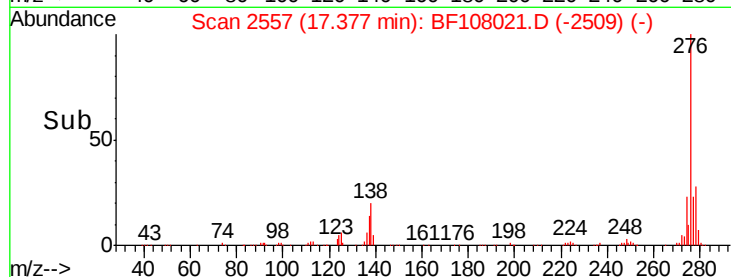
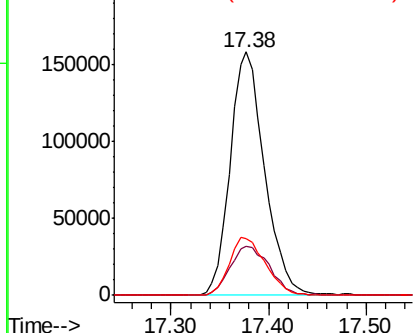
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.066 ng
 RT: 17.38 min Scan# 2557
 Delta R.T. -0.02 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	25.2	20.1	30.1

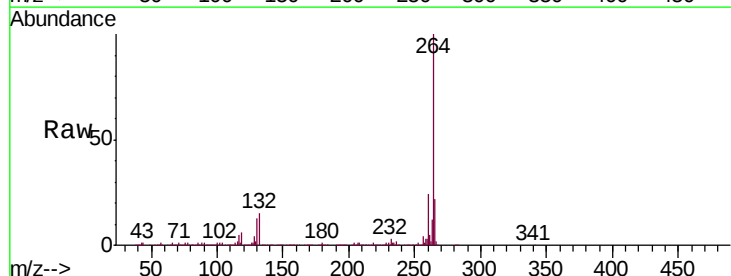


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

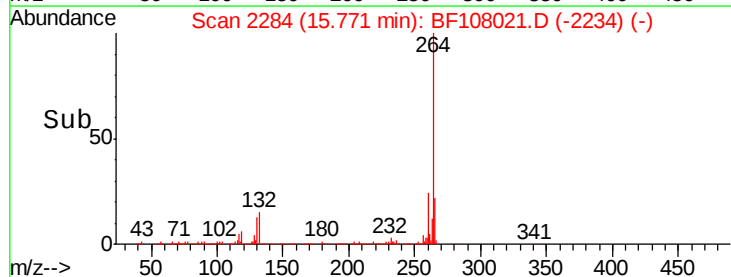
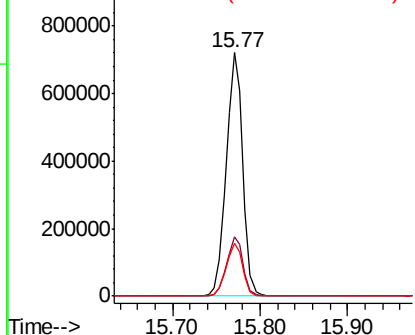


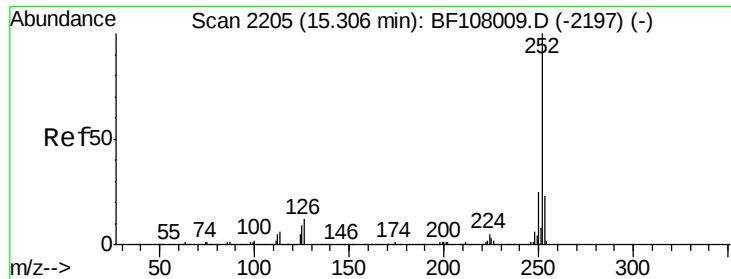
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108021.D
 Acq: 8 Aug 2018 15:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	17.5	26.3



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

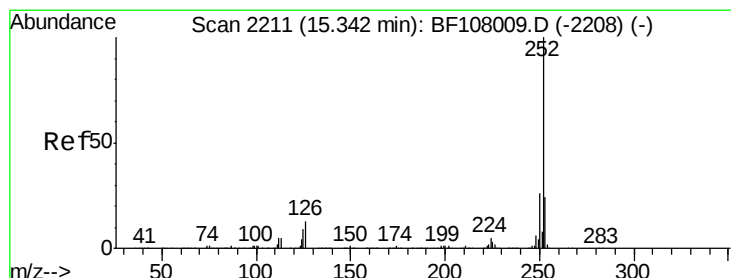
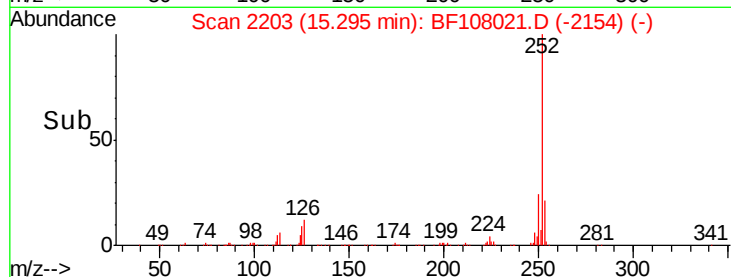
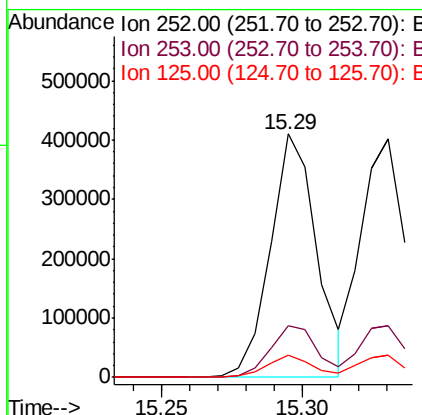
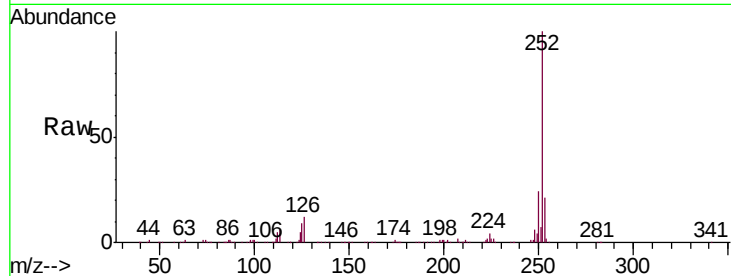




#87
Benzo(b)fluoranthene
Concen: 8.319 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

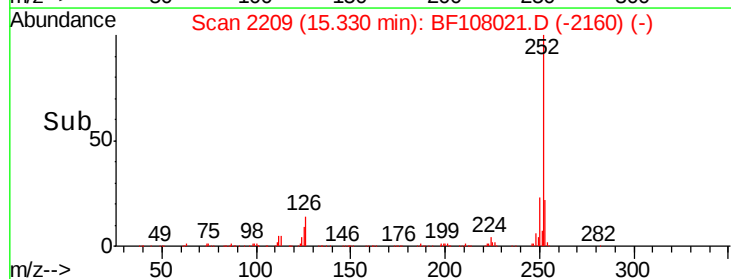
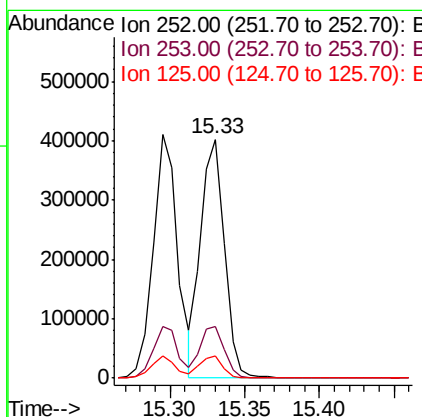
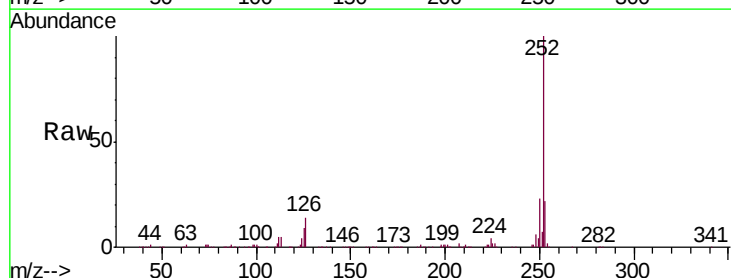
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

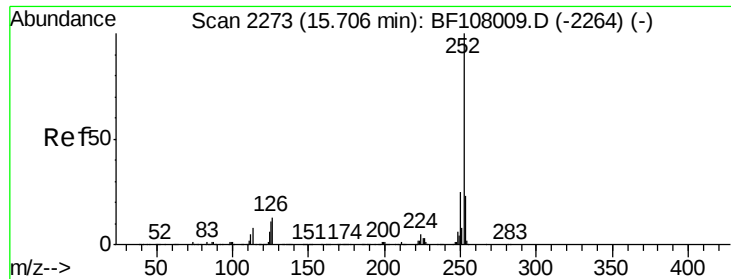
Tgt Ion:252 Resp: 466828
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 9.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 8.562 ng
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:252 Resp: 441629
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 9.1 10.2 15.2#

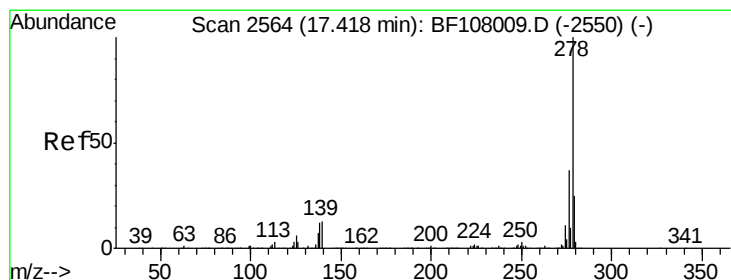
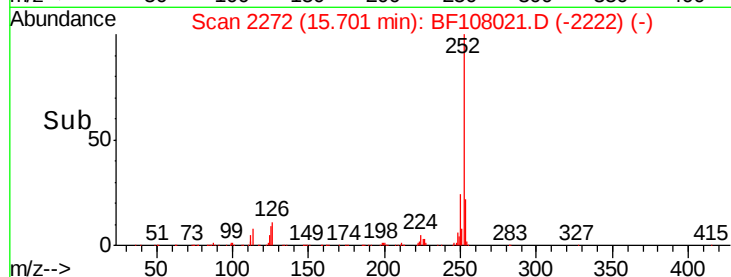
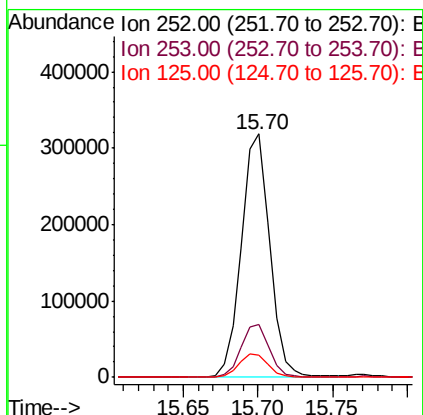
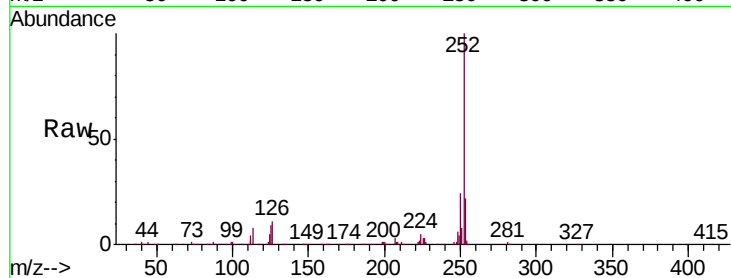




#89
Benzo(a)pyrene
Concen: 8.404 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

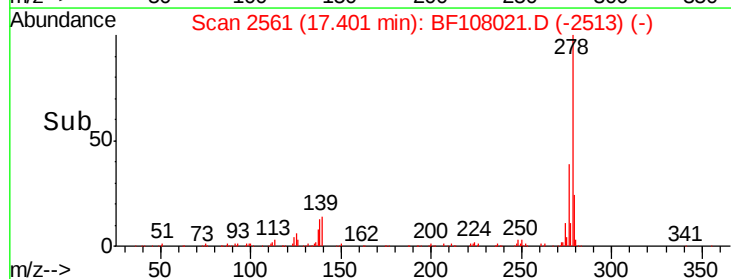
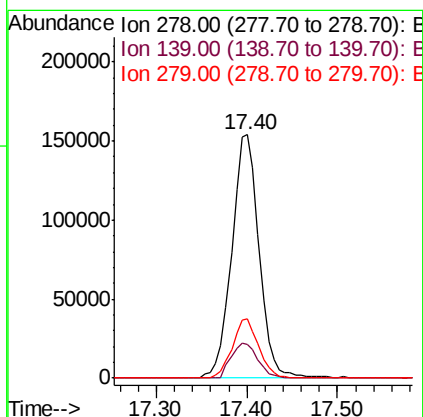
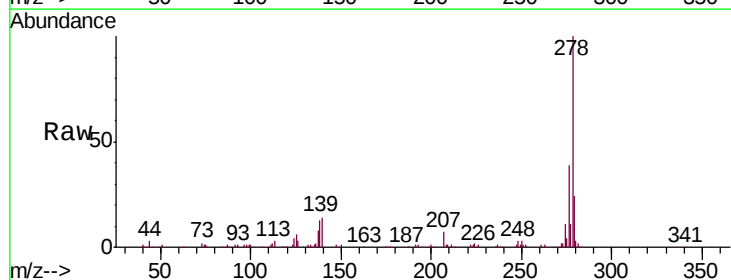
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

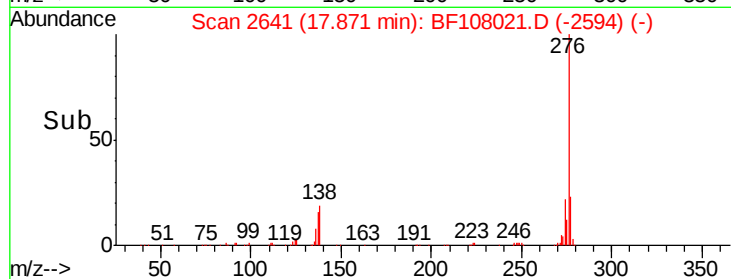
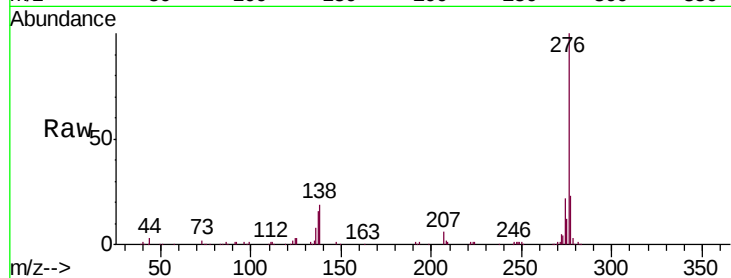
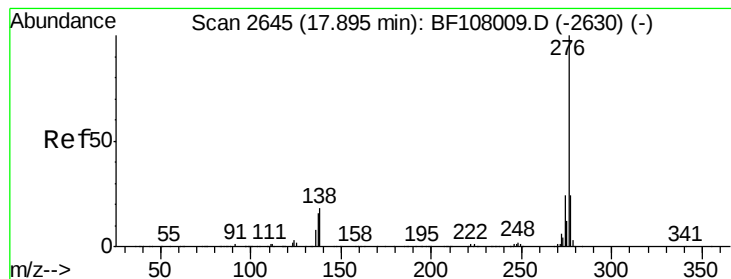
Tgt Ion:252 Resp: 422272
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 9.3 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 7.765 ng
RT: 17.40 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF108021.D
Acq: 8 Aug 2018 15:59

Tgt Ion:278 Resp: 322838
Ion Ratio Lower Upper
278 100
139 13.8 15.9 23.9#
279 24.1 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 7.672 ng

RT: 17.87 min Scan# 2641

Delta R.T. -0.02 min

Lab File: BF108021.D

Acq: 8 Aug 2018 15:59

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 276 Resp: 314059

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 19.3 21.8 32.8#

