

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113889.D
 Acq On : 22 Apr 2019 20:31
 Operator : JU/SJ
 Sample : K2510-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

Quant Time: Apr 23 03:55:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	192035	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	713841	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	372022	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	705517	20.00	ng	0.00
76) Chrysene-d12	14.05	240	507765	20.00	ng	-0.02
87) Perylene-d12	15.54	264	532536	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1283049	114.27	ng	0.00
7) Phenol-d6	6.52	99	1681889	119.40	ng	0.00
23) Nitrobenzene-d5	7.45	82	1022022	88.40	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	534439	117.93	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1960441	82.42	ng	0.00
79) Terphenyl-d14	13.00	244	2169848	87.61	ng	0.00

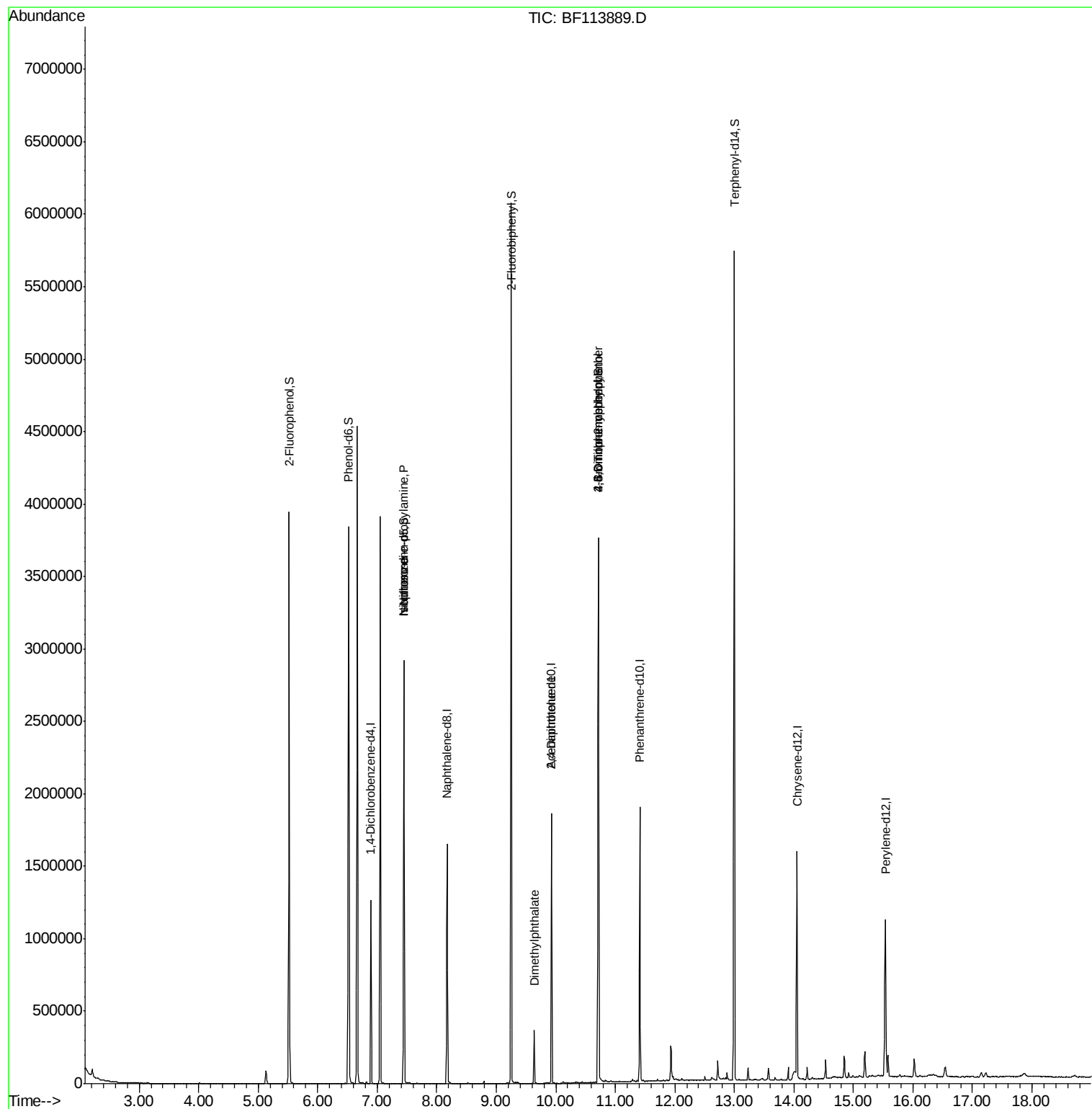
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2514	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	136775	14.993	ng	# 79
25) Isophorone	7.45	82	1019171	43.082	ng	# 65
50) Dimethylphthalate	9.64	163	150149	5.581	ng	# 97
57) 2,4-Dinitrotoluene	9.93	165	47477	6.516	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	929	7.552	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	33654	3.949	ng	# 1

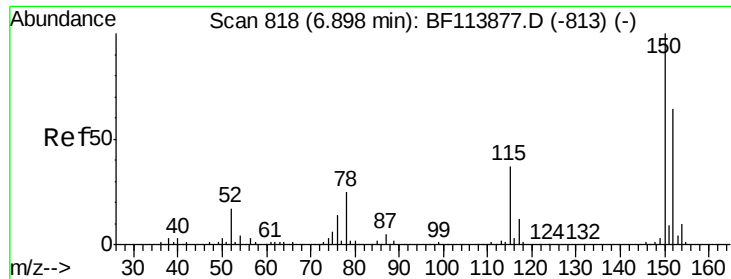
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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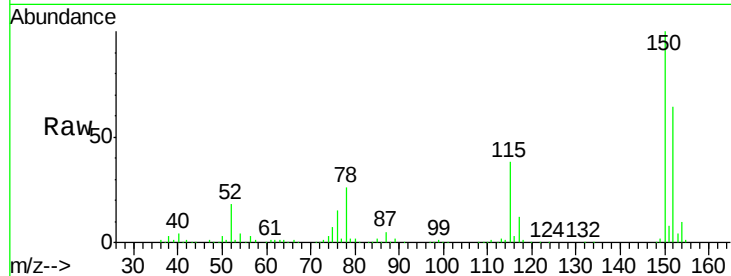


#1

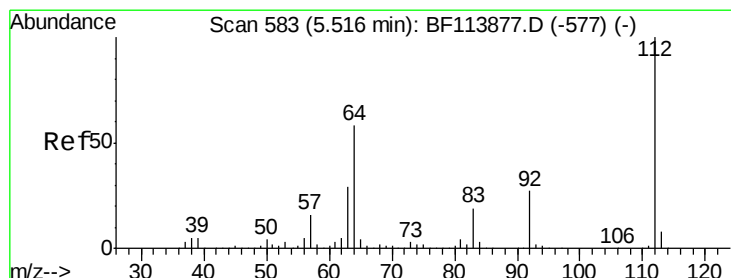
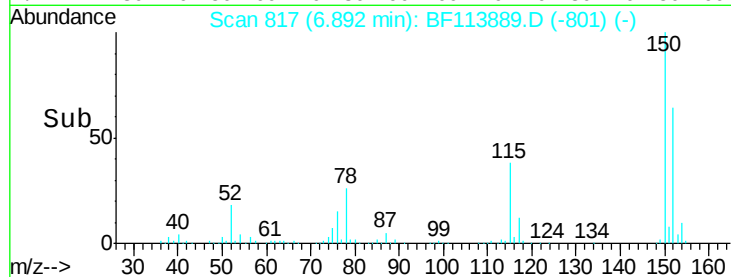
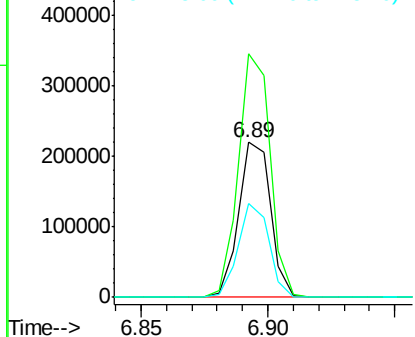
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113889.D
Acq: 22 Apr 2019 20:31

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-B

Tot Ion:152 Resp: 192035
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 60.2 45.9 68.9



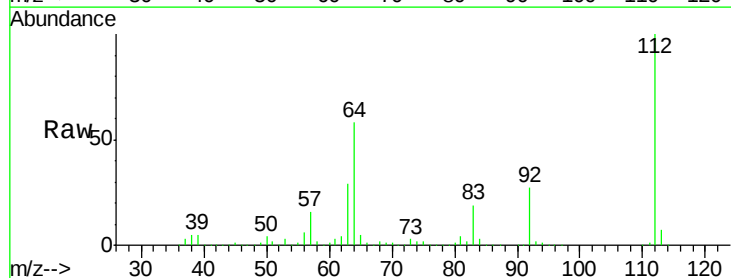
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



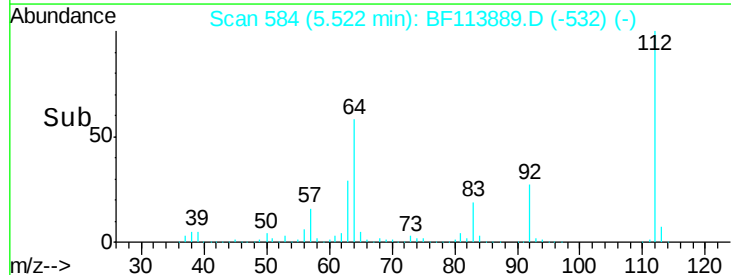
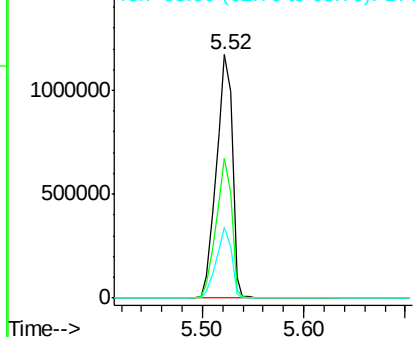
#5

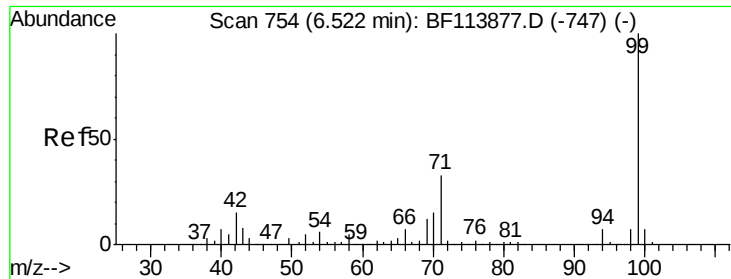
2-Fluorophenol
Concen: 114.274 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113889.D
Acq: 22 Apr 2019 20:31

Tgt Ion:112 Resp: 1283049
Ion Ratio Lower Upper
112 100
64 57.7 46.6 69.8
63 29.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 119.397 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

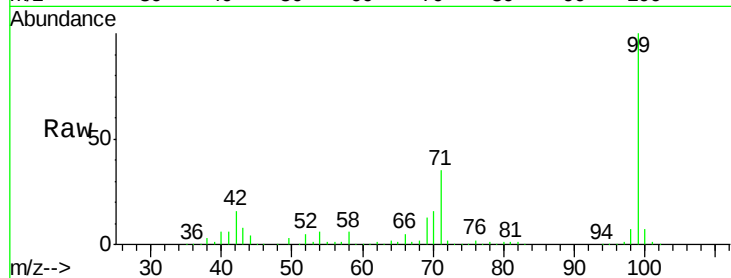
Tot Ion: 99 Resp: 1681889

Ion Ratio Lower Upper

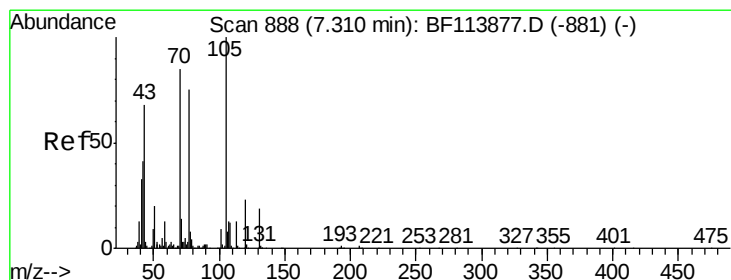
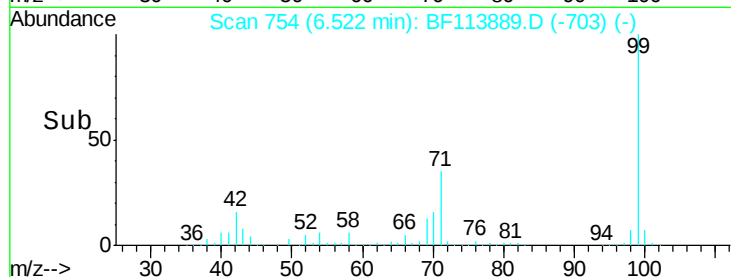
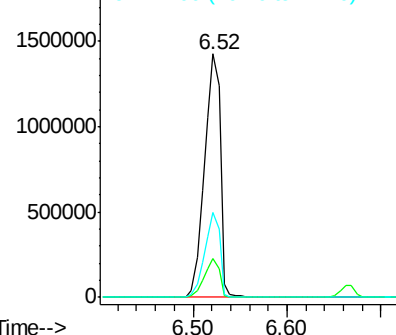
99 100

42 15.7 12.5 18.7

71 34.9 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.993 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Tgt Ion: 70 Resp: 136775

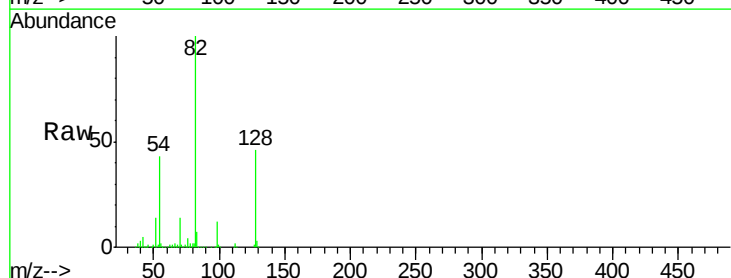
Ion Ratio Lower Upper

70 100

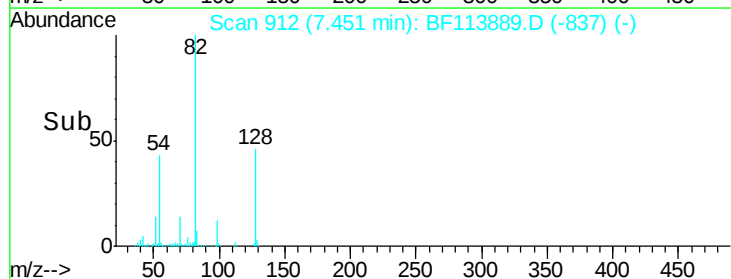
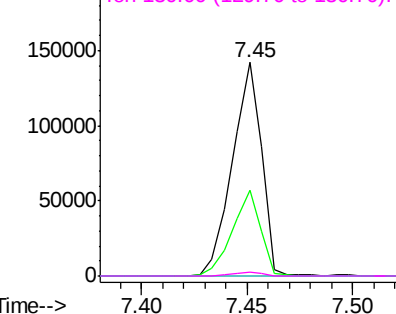
42 40.1 37.3 55.9

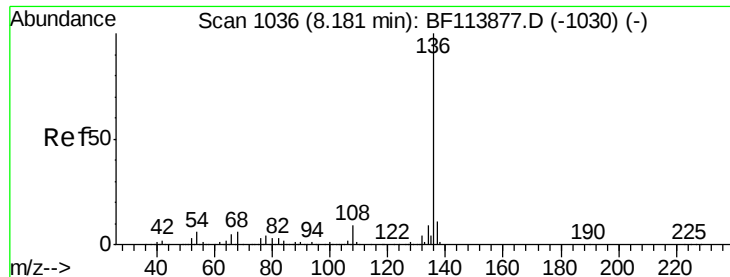
101 0.0 7.8 11.8#

130 2.0 18.2 27.2#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

Tot Ion:136 Resp: 713841

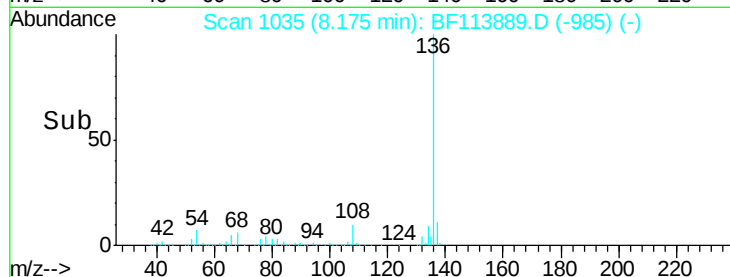
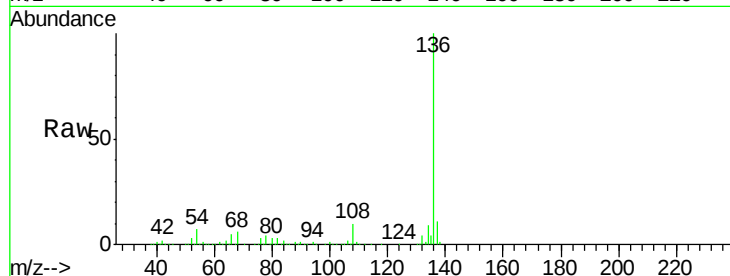
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.6 5.0 7.6

68 6.3 4.9 7.3

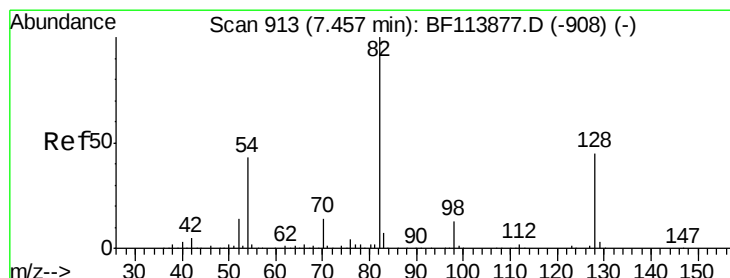
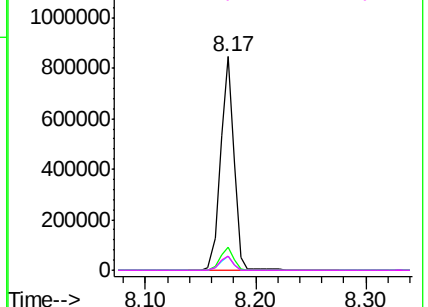


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 88.400 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

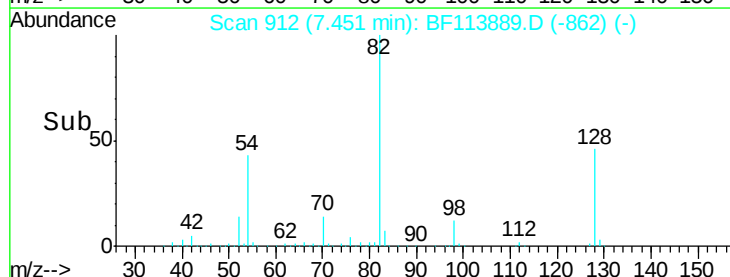
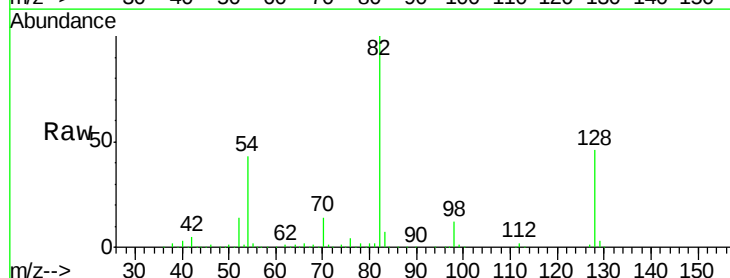
Tgt Ion: 82 Resp: 1022022

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

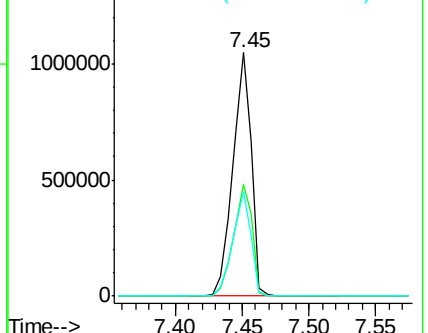
54 43.0 33.8 50.6

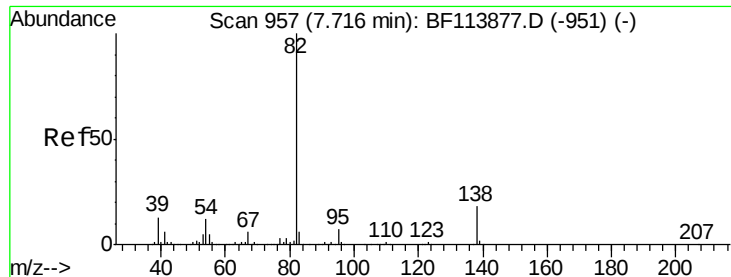


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.082 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

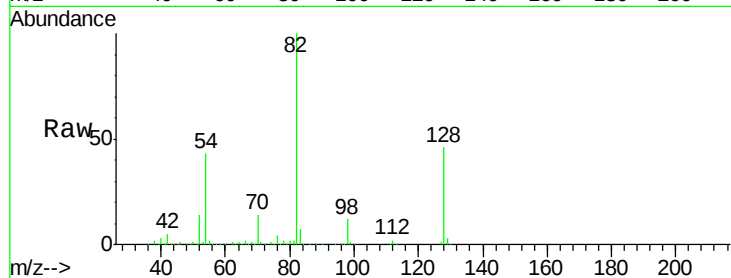
Tot Ion: 82 Resp: 1019171

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

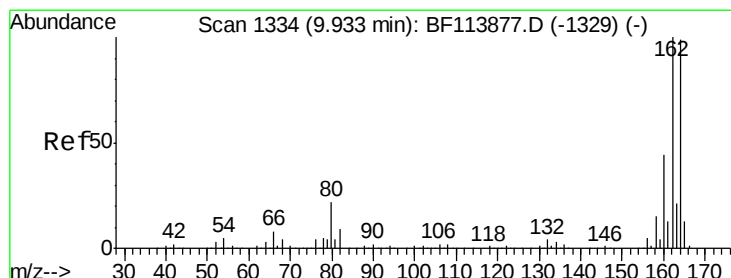
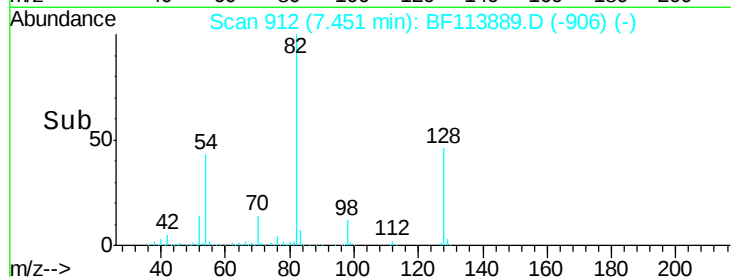
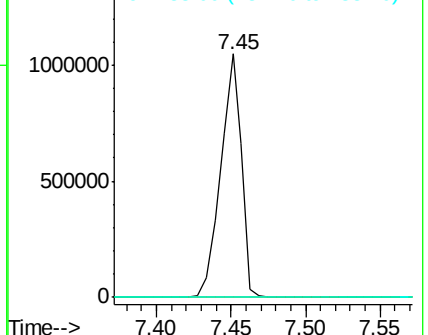
138 0.0 14.6 22.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

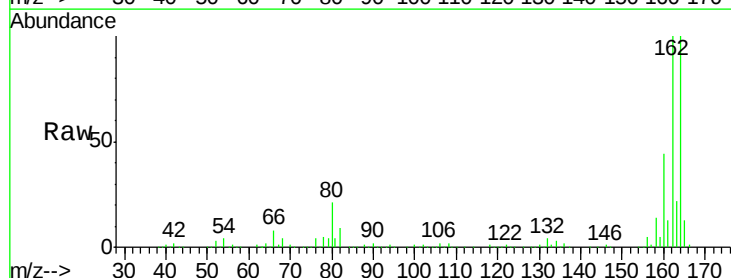
Tgt Ion:164 Resp: 372022

Ion Ratio Lower Upper

164 100

162 99.9 81.1 121.7

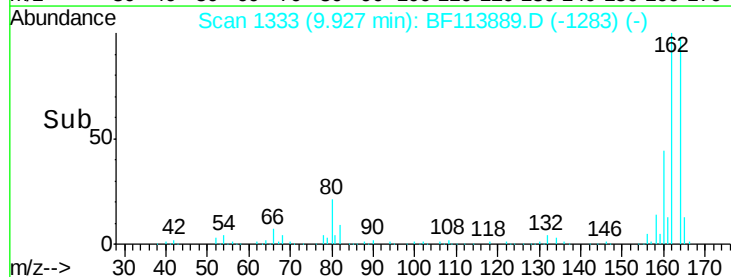
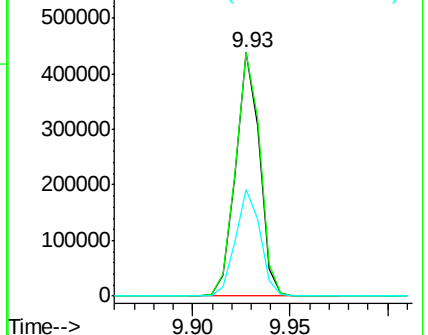
160 43.9 35.8 53.6

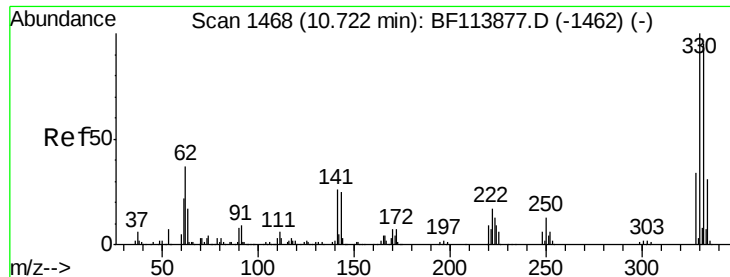


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

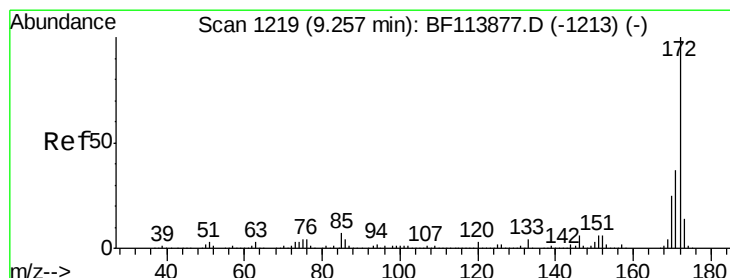
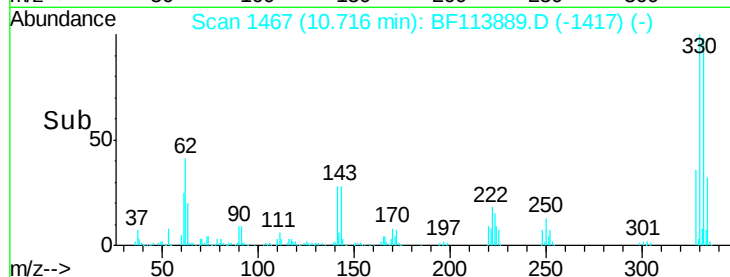
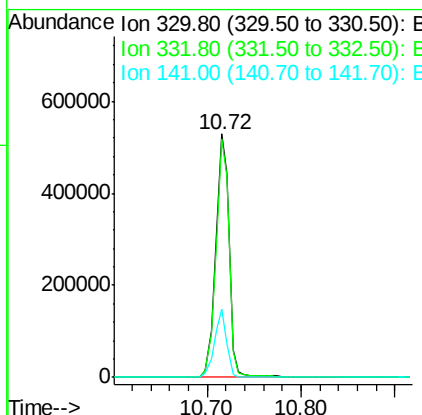
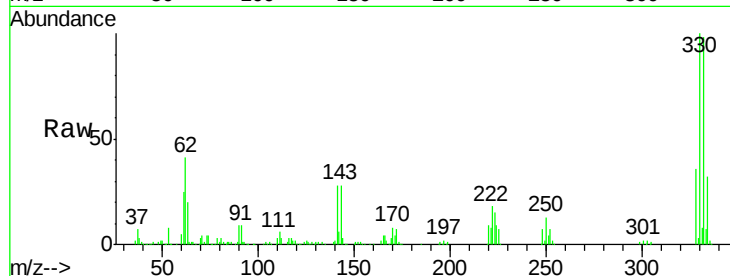




#42
 2,4,6-Tribromophenol
 Concen: 117.926 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

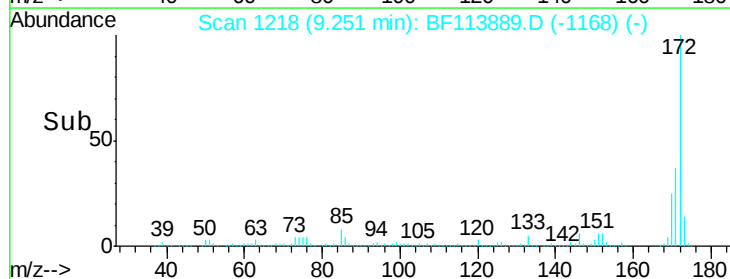
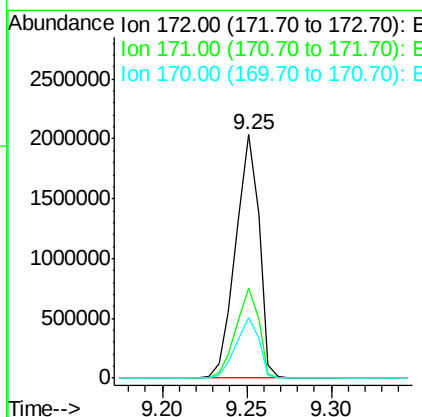
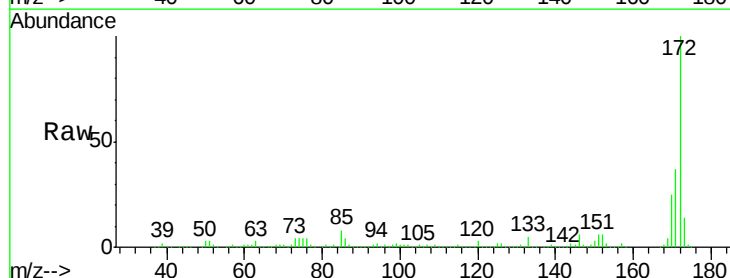
Instrument :
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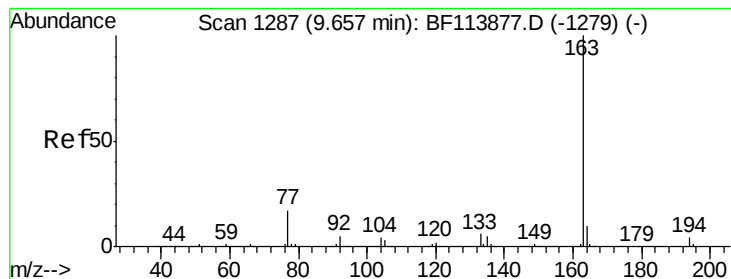
Tot Ion:330 Resp: 534439
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.5 116.3
 141 26.1 22.2 33.2



#45
 2-Fluorobiphenyl
 Concen: 82.419 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

Tgt Ion:172 Resp: 1960441
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.7 19.9 29.9





#50

Dimethylphthalate

Concen: 5.581 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

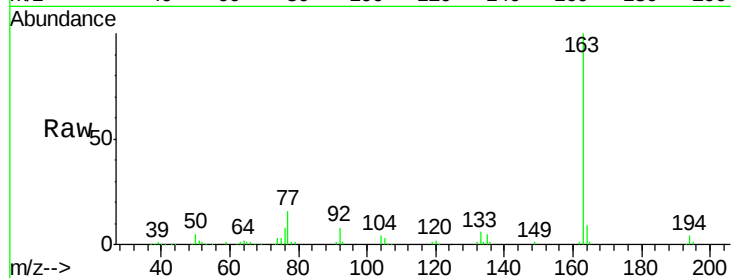
Tot Ion:163 Resp: 150149

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

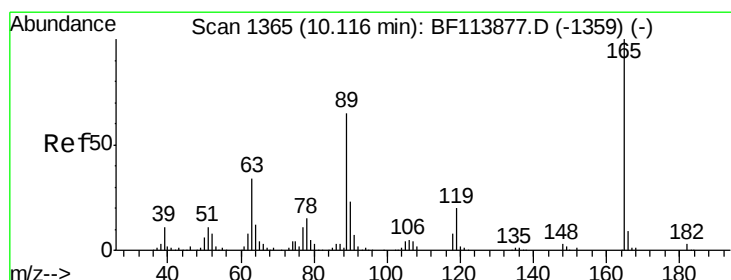
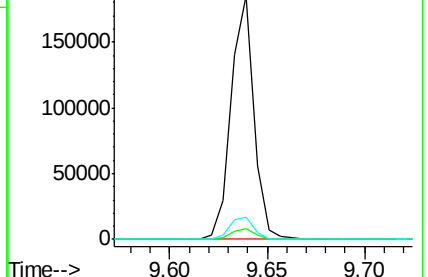
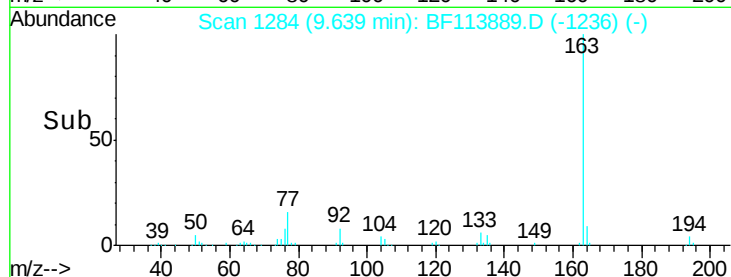
164 9.3 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.516 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Tgt Ion:165 Resp: 47477

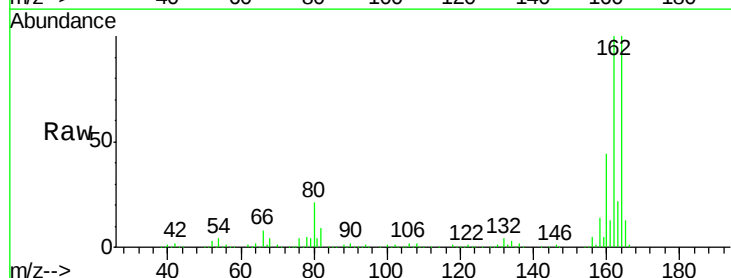
Ion Ratio Lower Upper

165 100

63 1.4 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

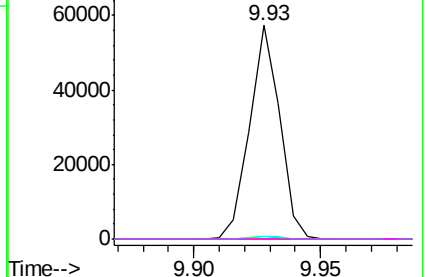
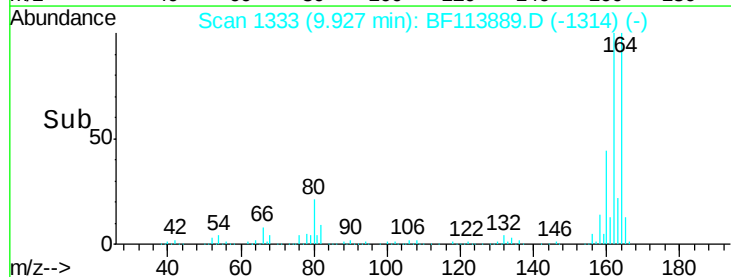


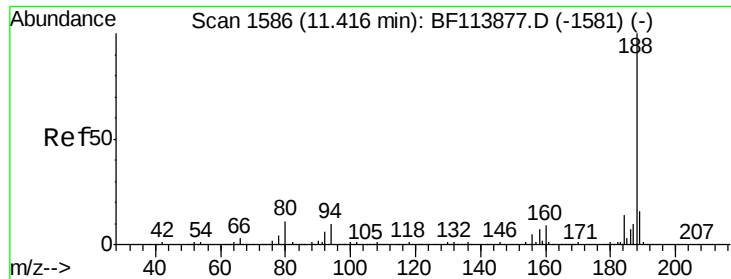
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

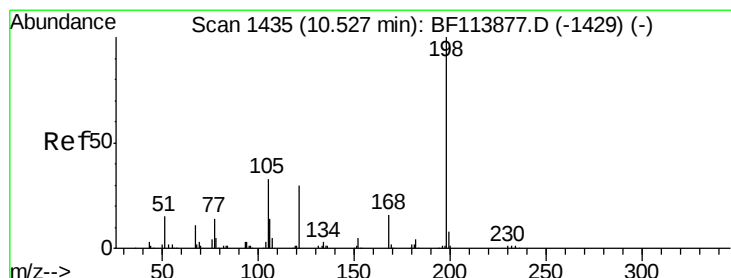
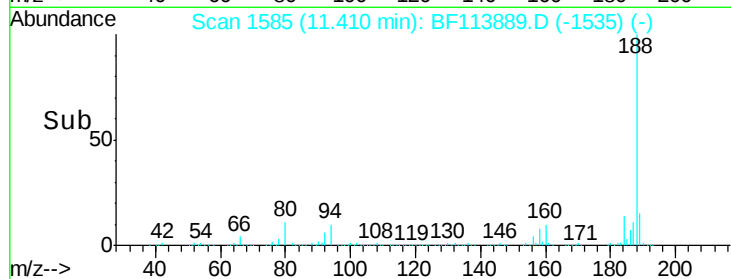
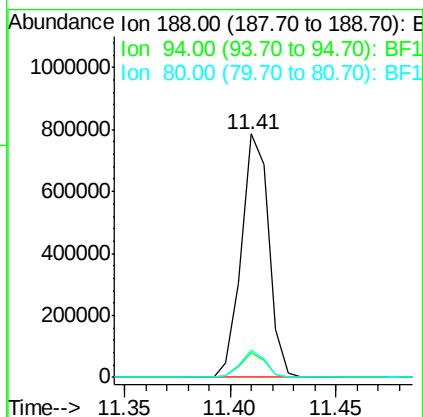
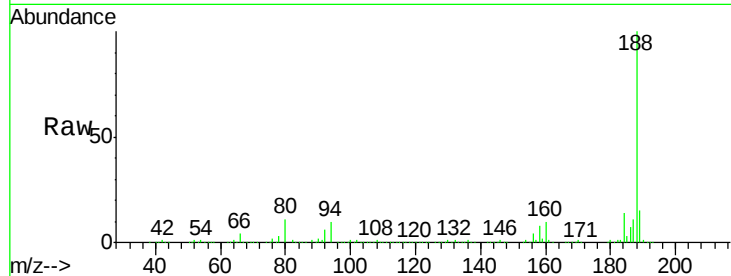




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

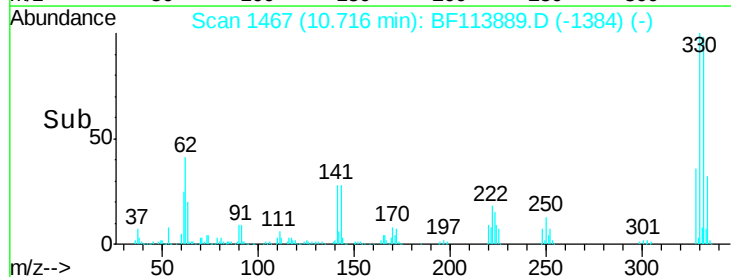
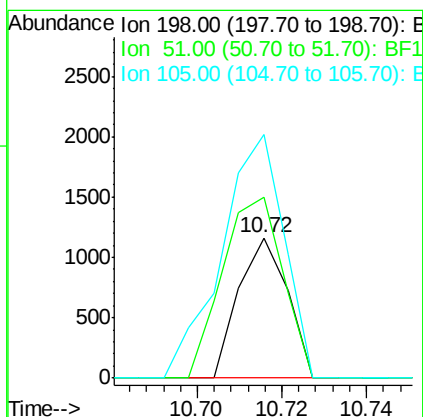
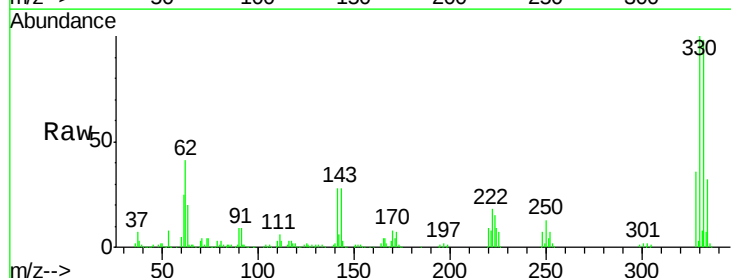
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

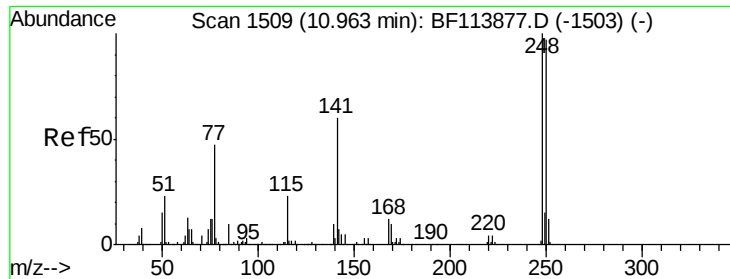
Tot Ion:188 Resp: 705517
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.2 12.4
 80 11.0 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.552 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

Tgt Ion:198 Resp: 929
 Ion Ratio Lower Upper
 198 100
 51 129.3 11.1 51.1#
 105 173.7 20.7 60.7#

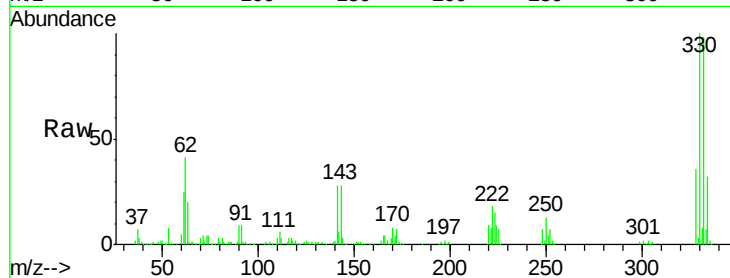




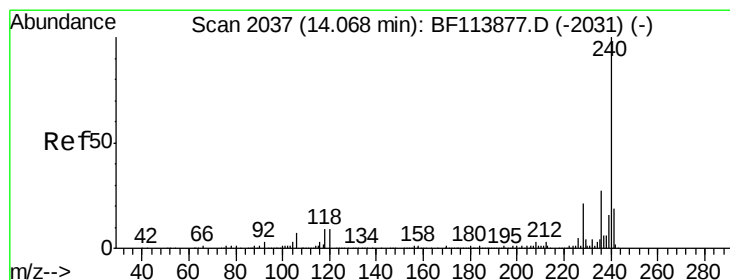
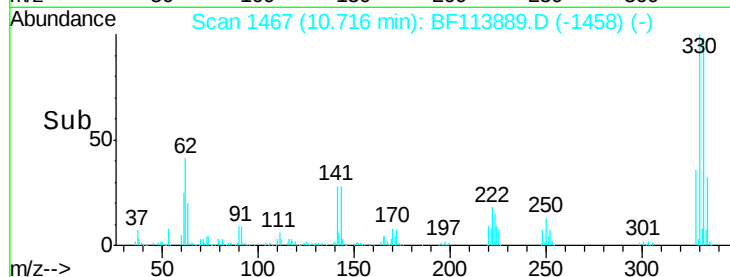
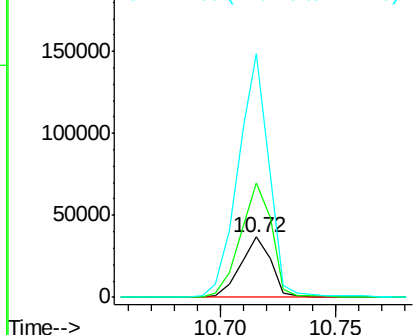
#67
 4-Bromophenyl-phenylether
 Concen: 3.949 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-B

Tot Ion:248 Resp: 33654
 Ion Ratio Lower Upper
 248 100
 250 191.1 75.8 113.6#
 141 405.9 50.2 75.4#

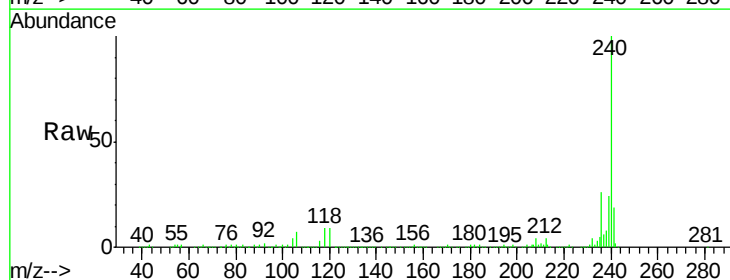


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

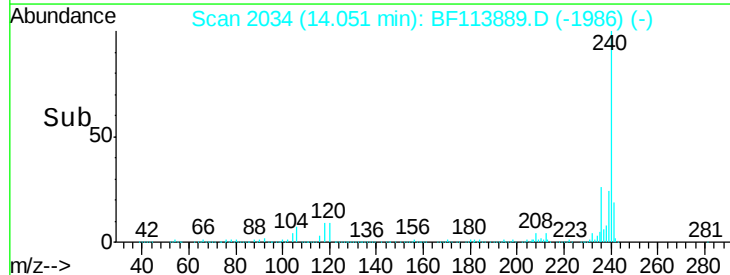
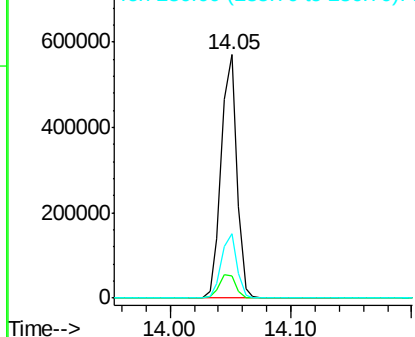


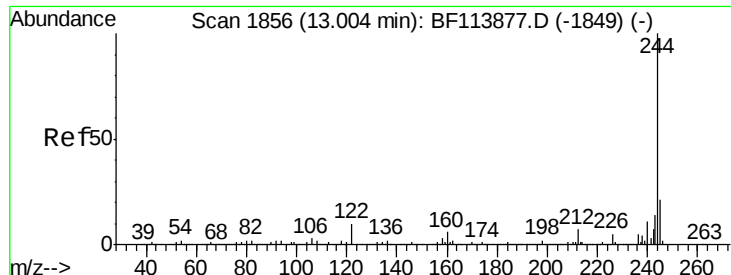
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113889.D
 Acq: 22 Apr 2019 20:31

Tgt Ion:240 Resp: 507765
 Ion Ratio Lower Upper
 240 100
 120 9.2 9.3 13.9#
 236 26.3 21.2 31.8



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





#79

Terphenyl-d14

Concen: 87.609 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-B

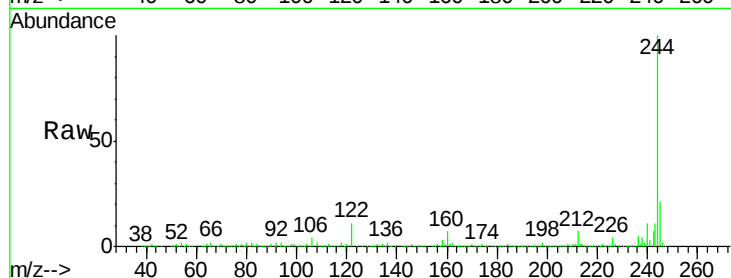
Tot Ion:244 Resp: 2169848

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

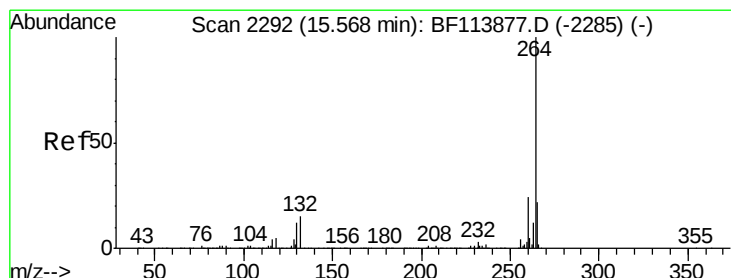
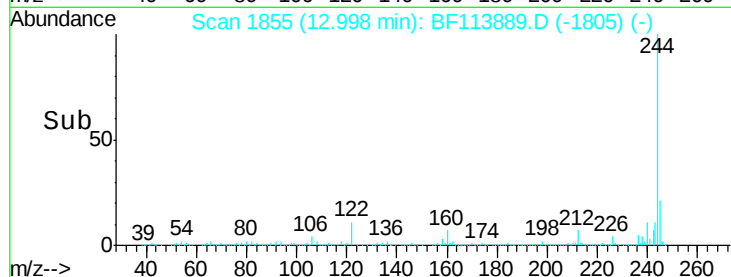
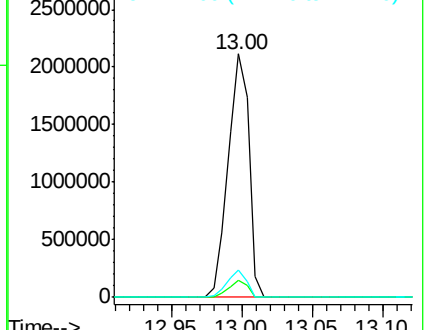
122 11.1 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF113889.D

Acq: 22 Apr 2019 20:31

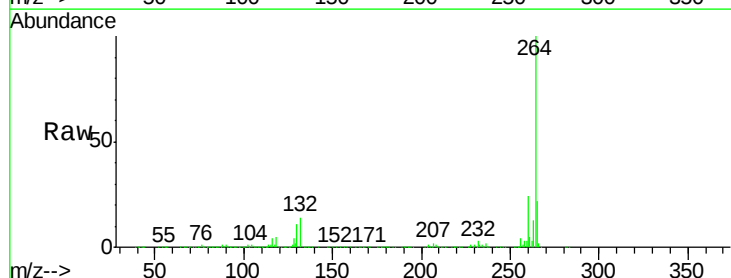
Tgt Ion:264 Resp: 532536

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

265 22.2 17.3 25.9



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

