

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
 Data File : BF109484.D
 Acq On : 1 Oct 2018 20:24
 Operator : JU/SJ
 Sample : J5170-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-4

Quant Time: Oct 02 03:43:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

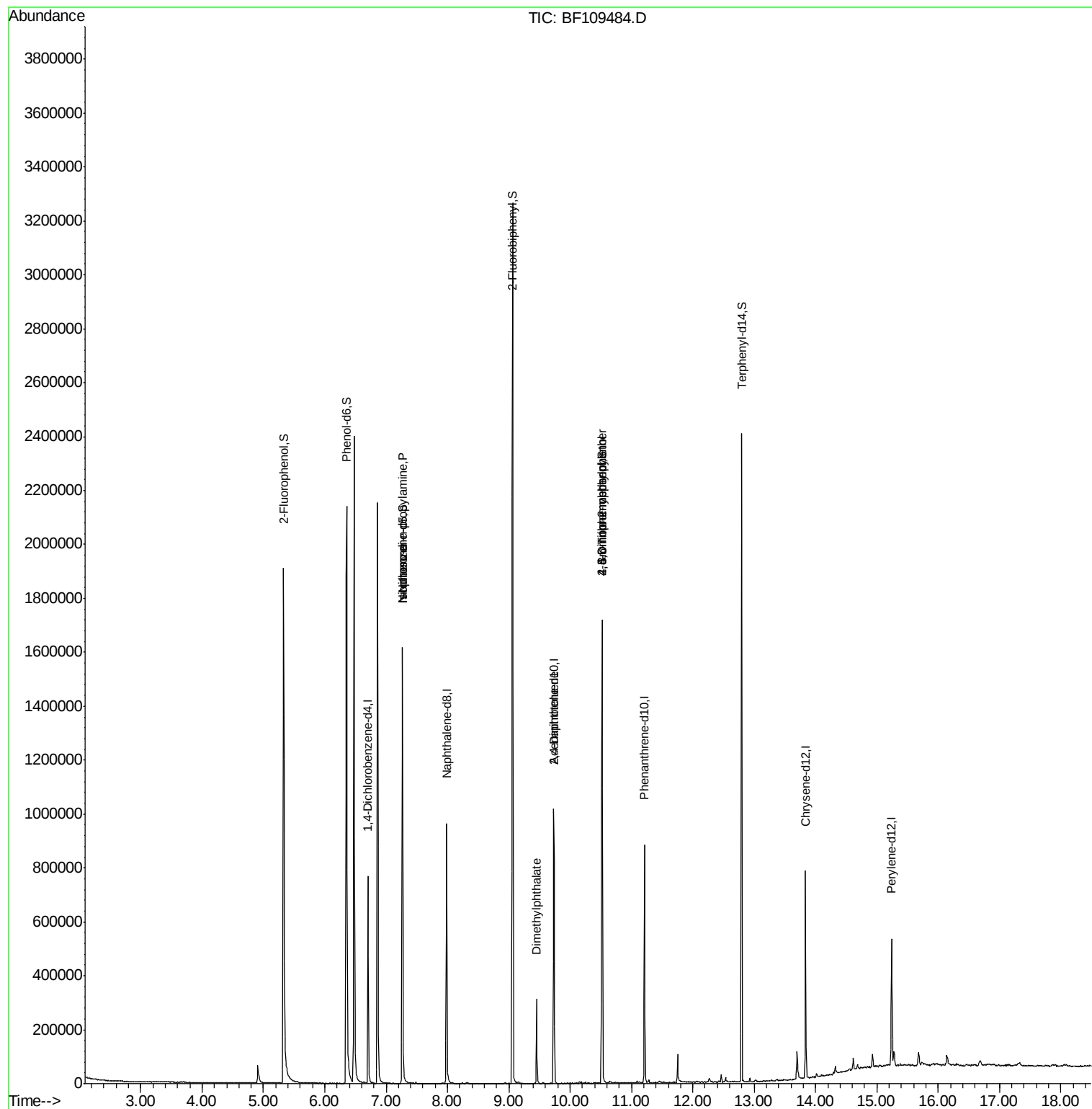
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	117079	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	437197	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	200632	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	343354	20.00	ng	0.00
75) Chrysene-d12	13.84	240	251968	20.00	ng	0.00
86) Perylene-d12	15.24	264	209531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	700431	98.54	ng	0.01
7) Phenol-d6	6.36	99	883927	97.45	ng	0.00
23) Nitrobenzene-d5	7.27	82	557462	75.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	209252	105.80	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1012852	76.14	ng	-0.01
78) Terphenyl-d14	12.80	244	806755	78.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	74877	12.598	ng	# 78
25) Isophorone	7.27	82	531865	39.880	ng	# 64
49) Dimethylphthalate	9.46	163	130999	8.977	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	25810	7.058	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	491	6.828	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	12888	3.380	ng	# 1

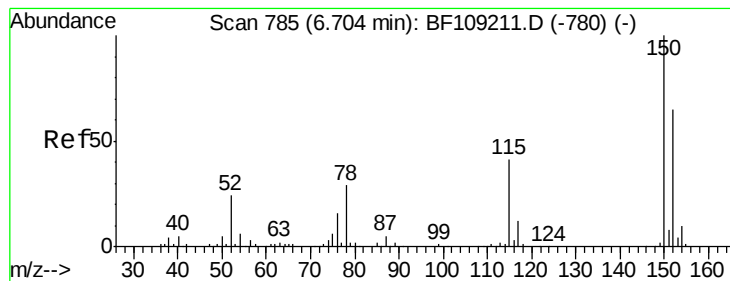
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
Data File : BF109484.D
Acq On : 1 Oct 2018 20:24
Operator : JU/SJ
Sample : J5170-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-4

Quant Time: Oct 02 03:43:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration



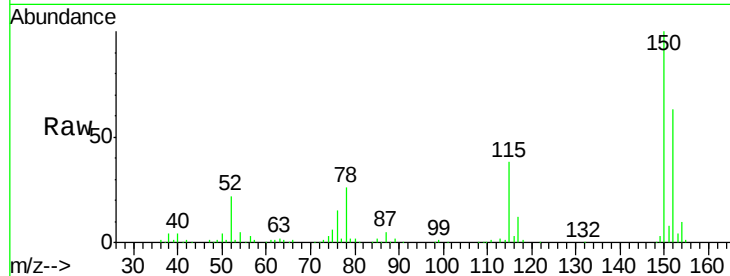


#1

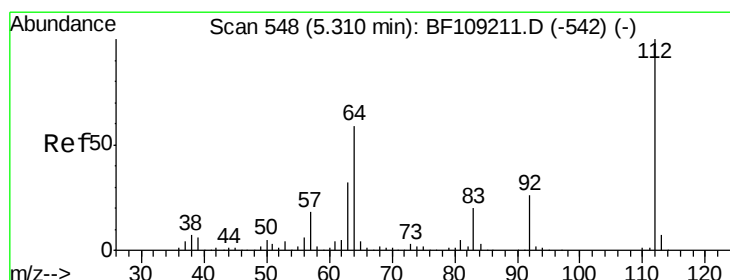
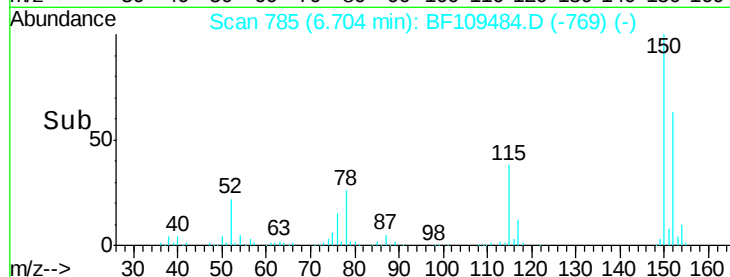
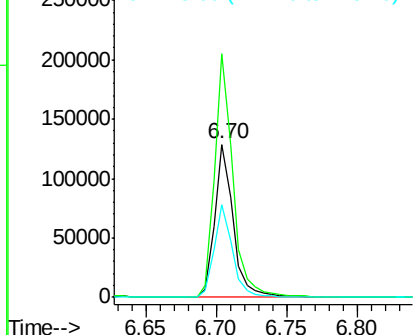
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-4

Tgt Ion:152 Resp: 117079
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 60.3 50.1 75.1



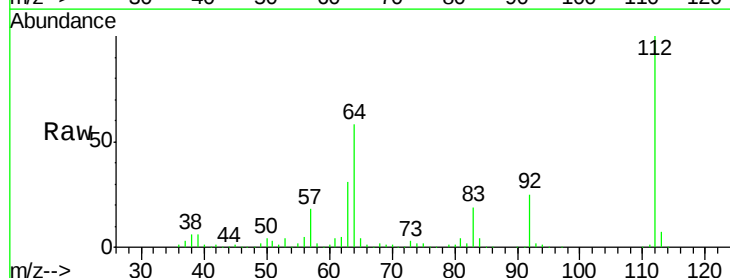
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



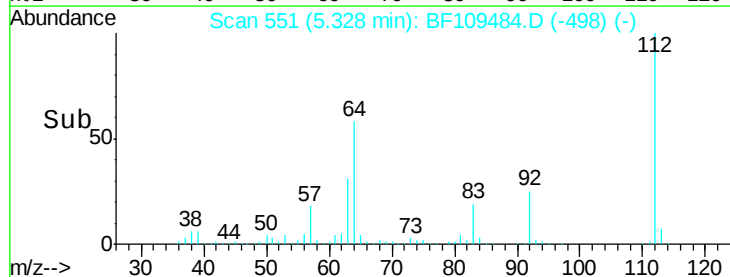
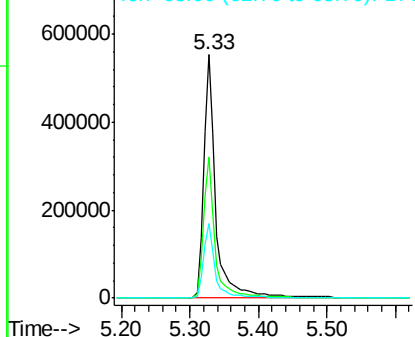
#5

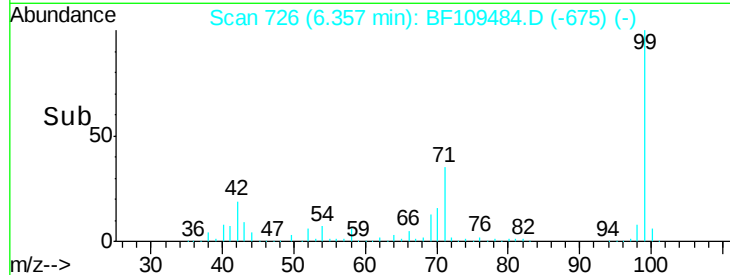
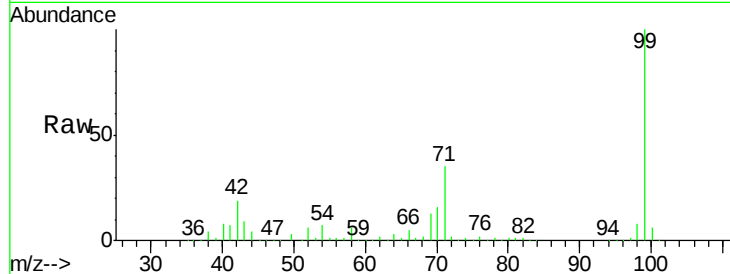
2-Fluorophenol
Concen: 98.537 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

Tgt Ion:112 Resp: 700431
Ion Ratio Lower Upper
112 100
64 57.9 47.9 71.9
63 30.6 23.7 35.5



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: 97.451 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-4

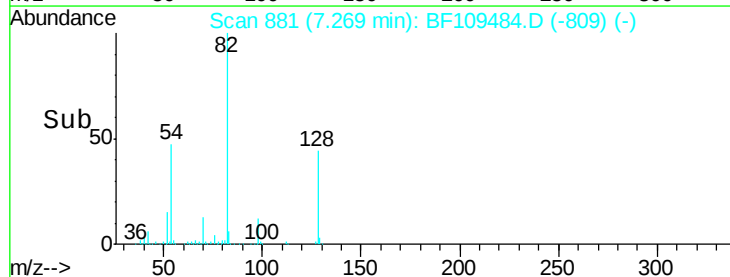
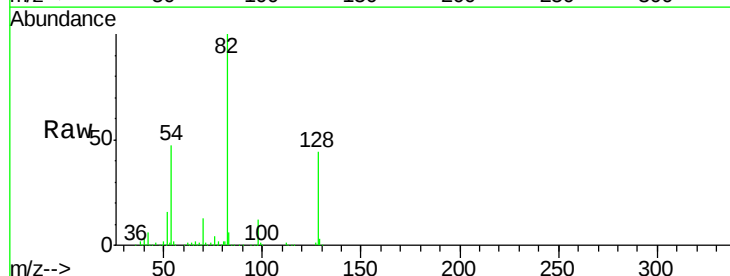
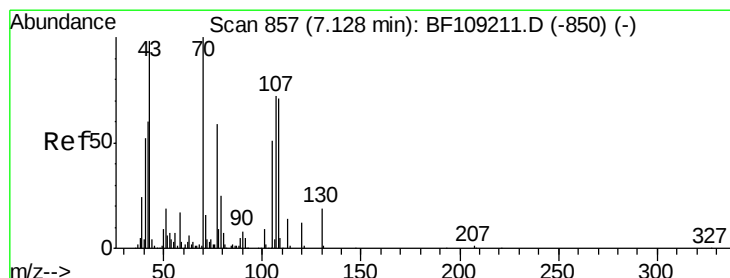
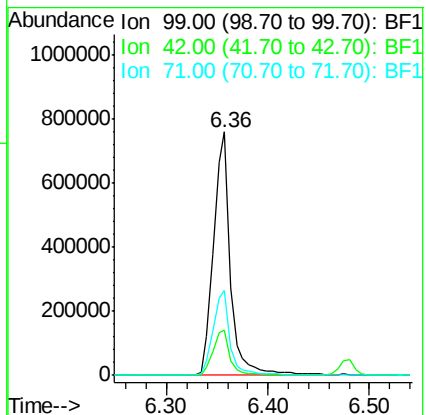
Tgt Ion: 99 Resp: 883927

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.598 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Tgt Ion: 70 Resp: 74877

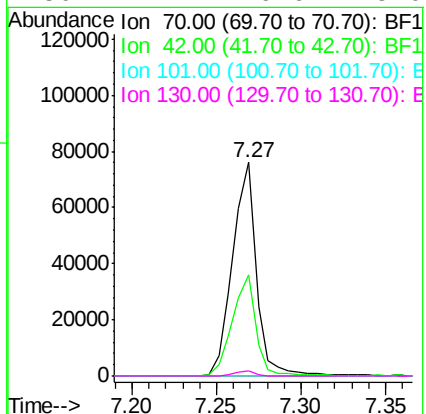
Ion Ratio Lower Upper

70 100

42 47.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-4

Tgt Ion:136 Resp: 437197

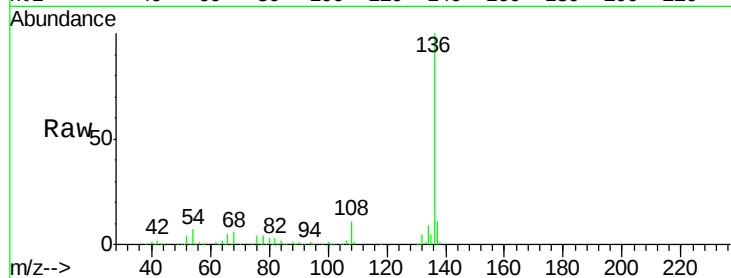
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 5.7 5.0 7.4

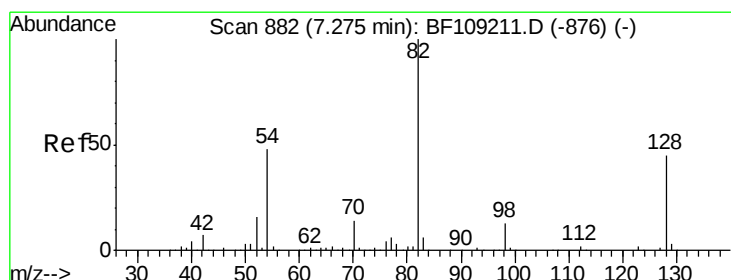
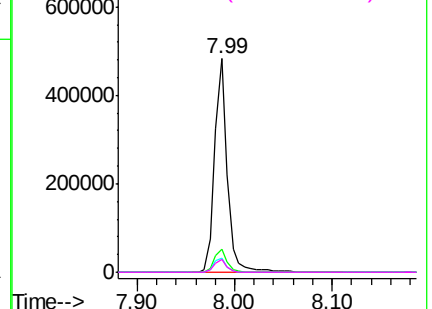
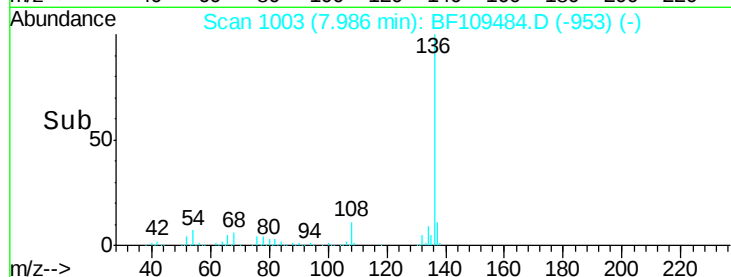


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 75.270 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

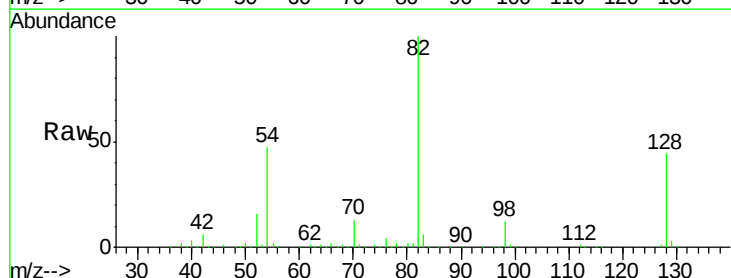
Tgt Ion: 82 Resp: 557462

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

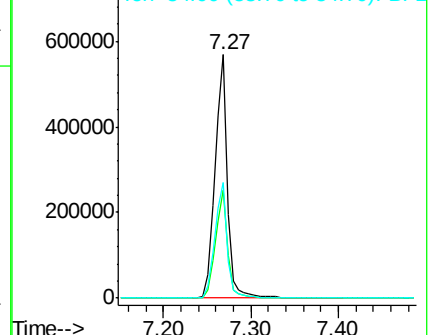
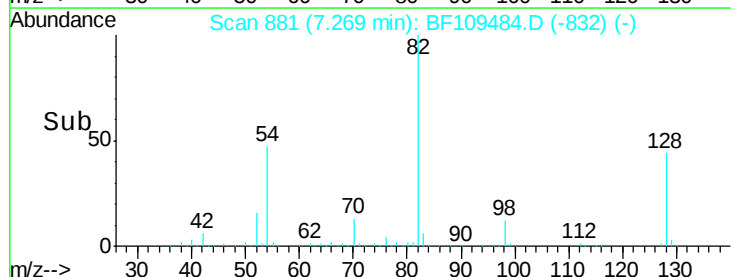
54 47.4 41.4 62.2

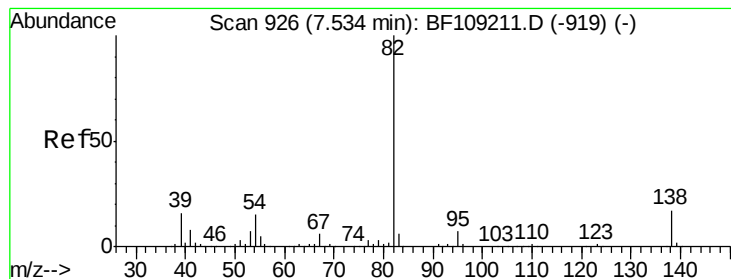


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.880 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-4

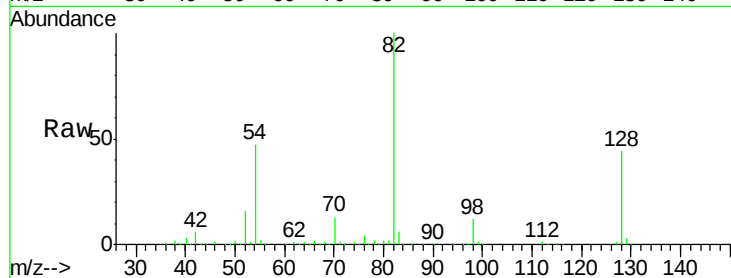
Tgt Ion: 82 Resp: 531865

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

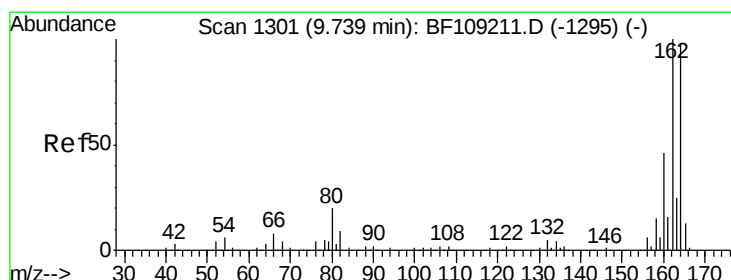
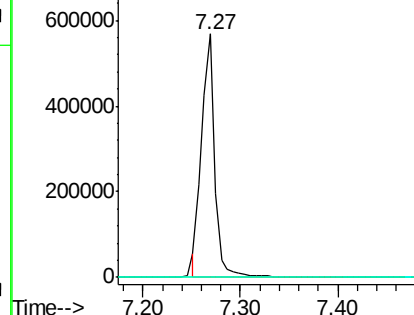
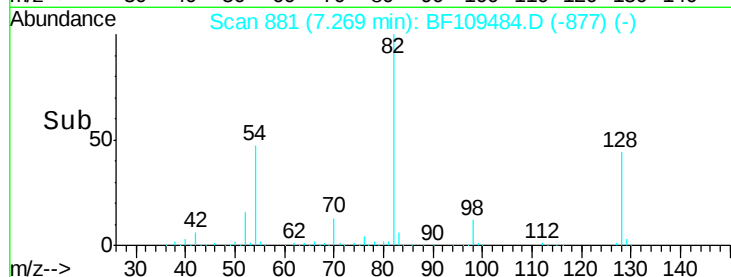
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

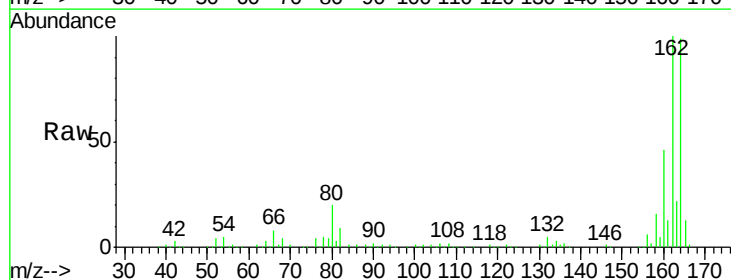
Tgt Ion: 164 Resp: 200632

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

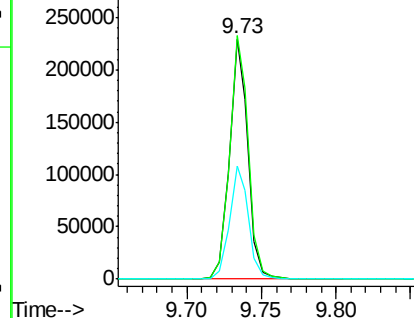
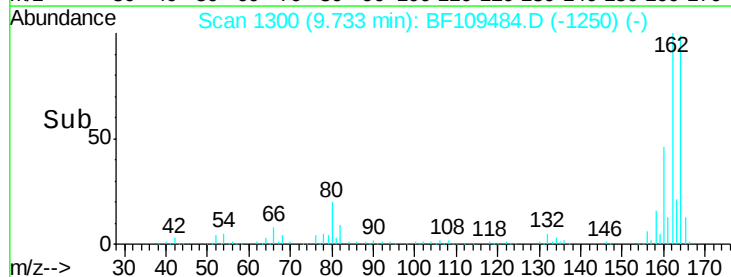
160 46.9 38.3 57.5

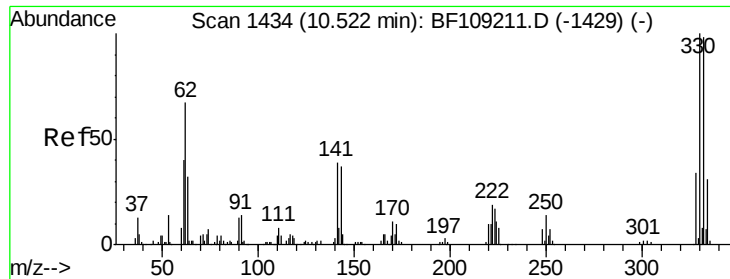


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

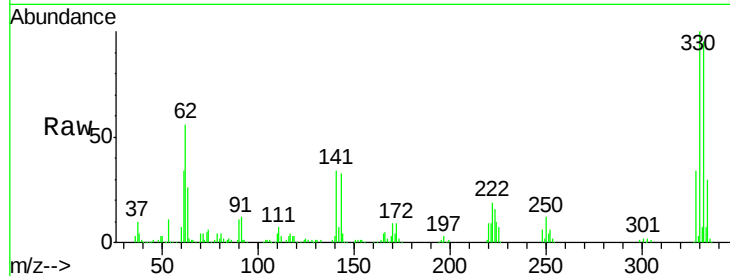




#41
 2,4,6-Tribromophenol
 Concen: 105.800 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	32.7	29.9	44.9

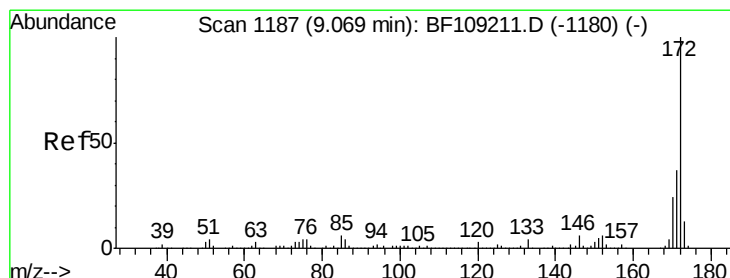
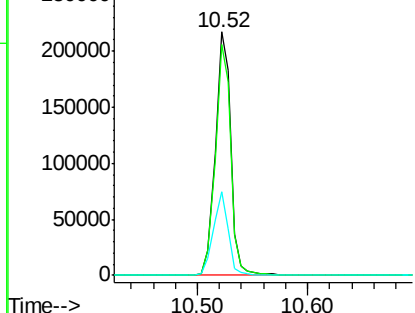
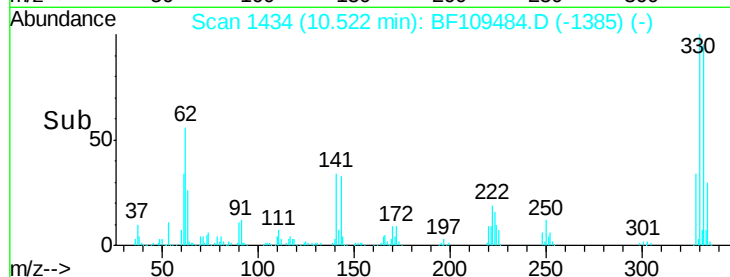


Abundance

Ion 329.80 (329.50 to 330.50): E

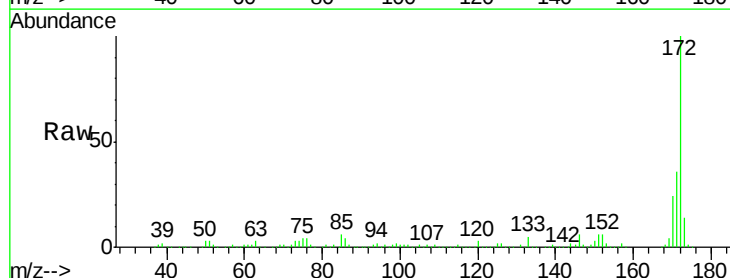
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.138 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	19.6	29.4

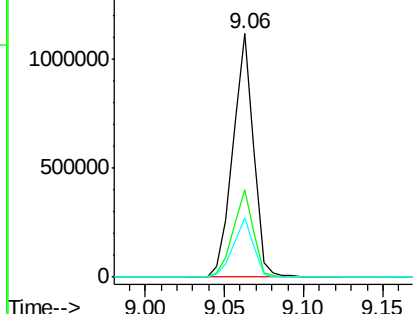
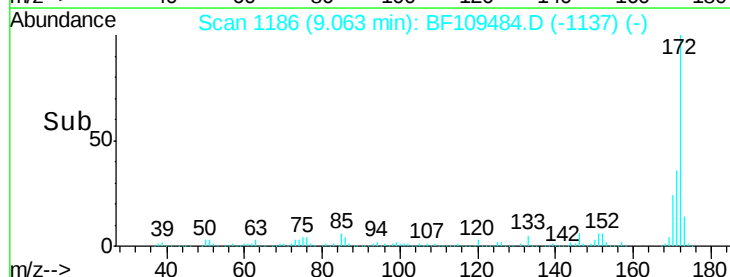


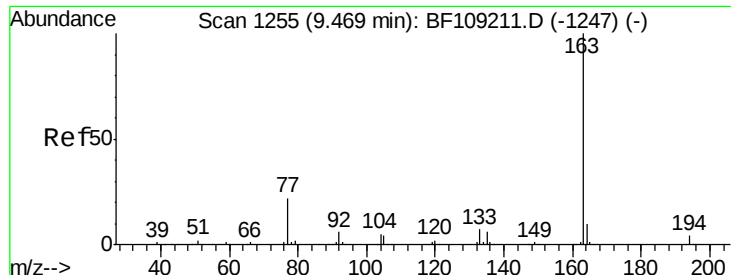
Abundance

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

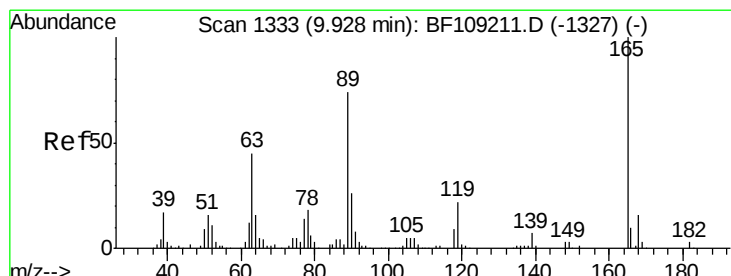
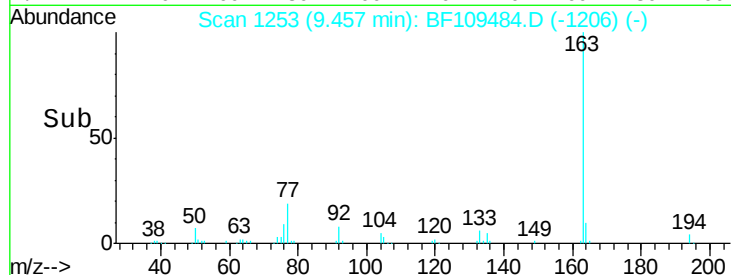
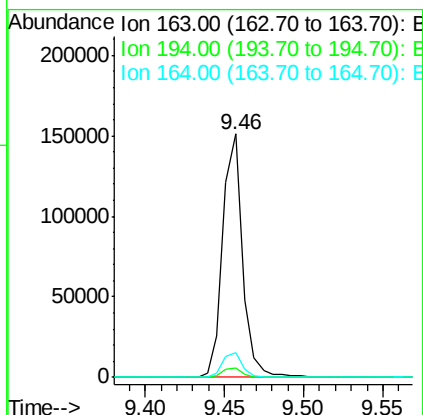
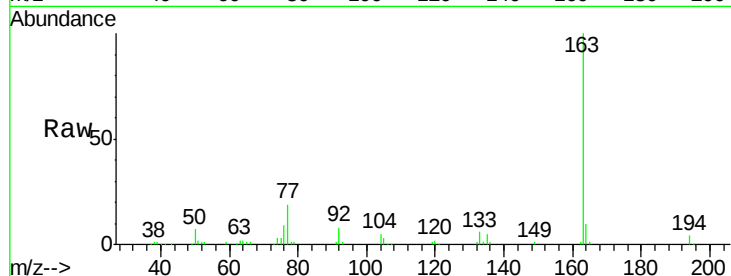




#49
Dimethylphthalate
Concen: 8.977 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

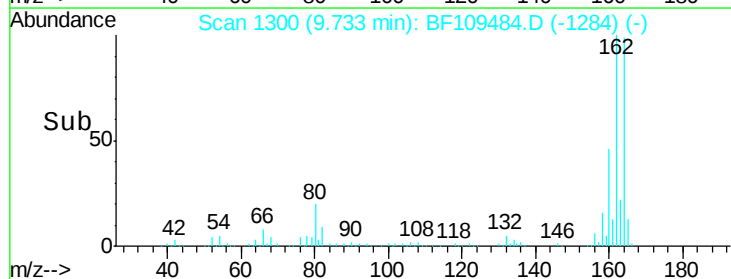
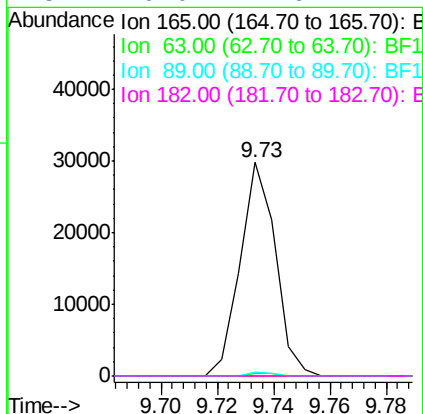
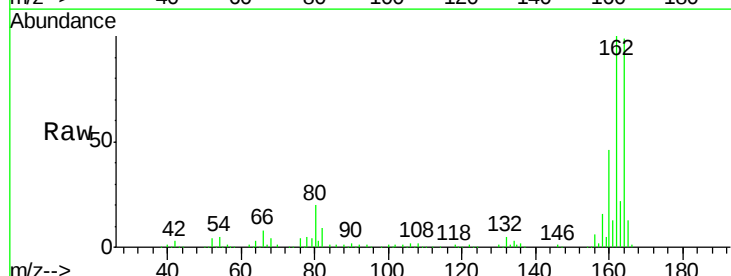
Instrument :
BNA_F
ClientSampleId :
HC-SOIL-4

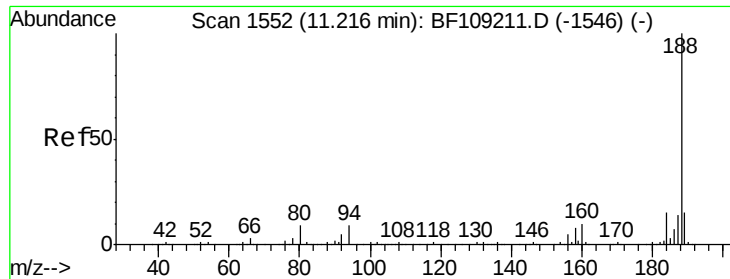
Tgt Ion:163 Resp: 130999
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.058 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

Tgt Ion:165 Resp: 25810
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

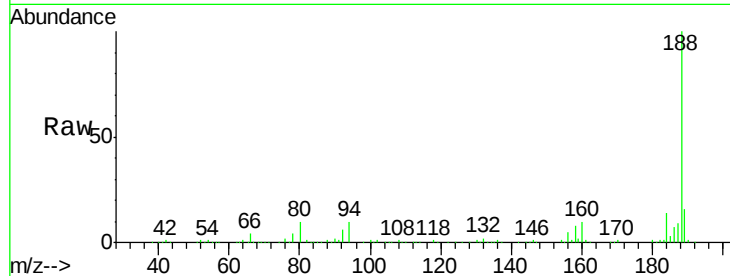




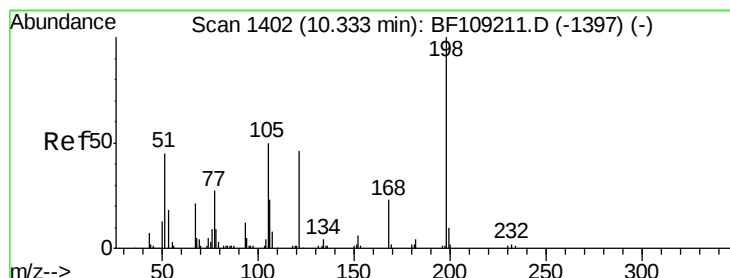
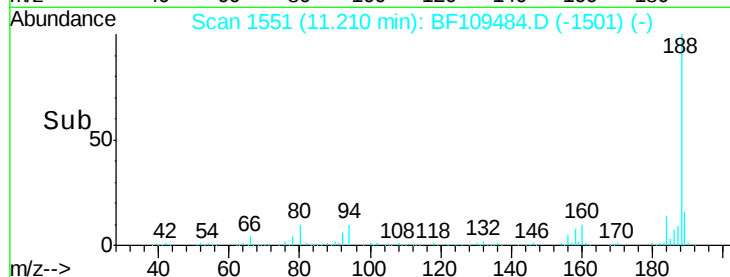
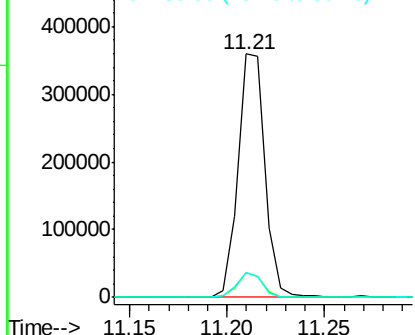
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-4

Tgt Ion:188 Resp: 343354
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.4 9.2 13.8

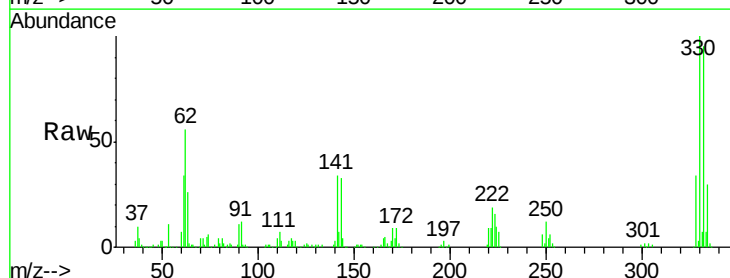


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

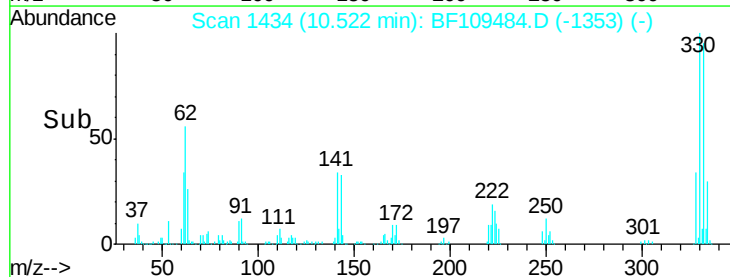
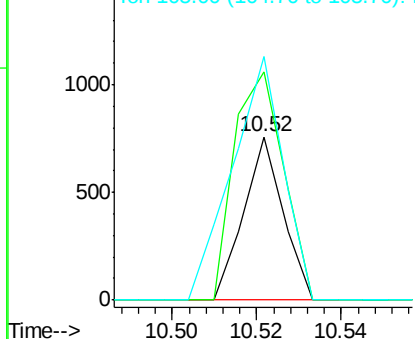


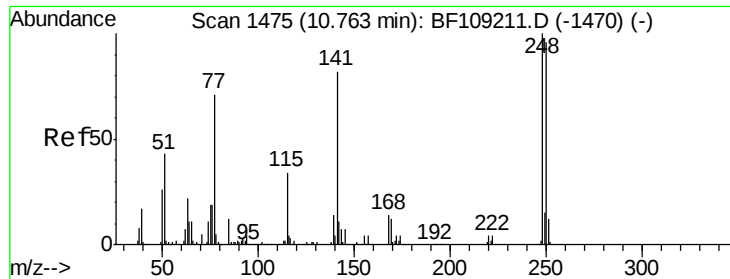
#64
4,6-Dinitro-2-methylphenol
Concen: 6.828 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109484.D
Acq: 1 Oct 2018 20:24

Tgt Ion:198 Resp: 491
Ion Ratio Lower Upper
198 100
51 140.0 37.7 77.7#
105 149.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

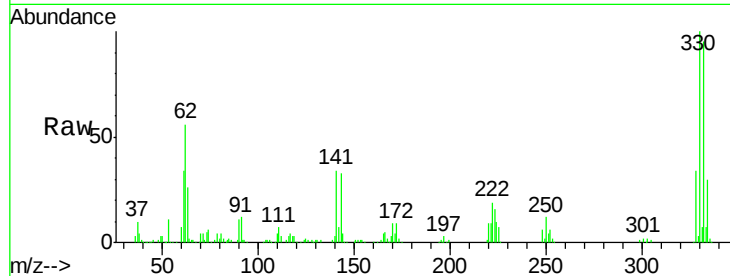




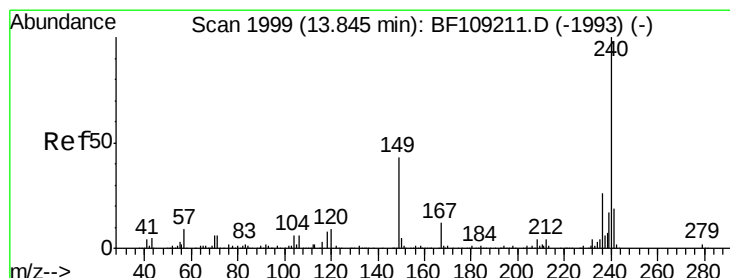
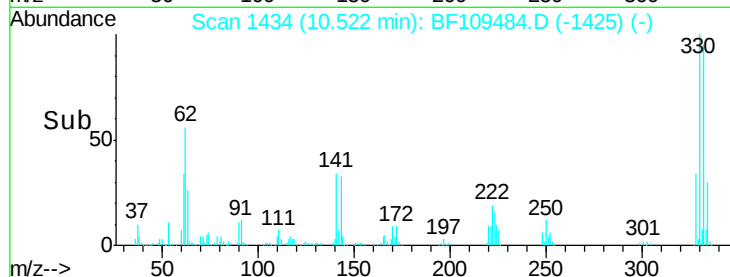
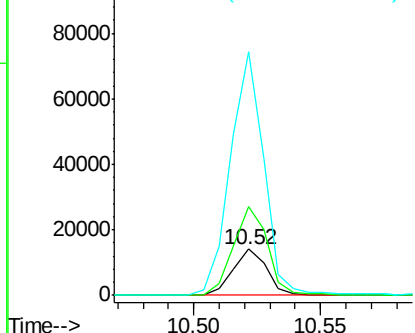
#66
 4-Bromophenyl-phenylether
 Concen: 3.380 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-4

Tgt Ion:248 Resp: 12888
 Ion Ratio Lower Upper
 248 100
 250 193.3 76.9 115.3#
 141 530.6 74.4 111.6#

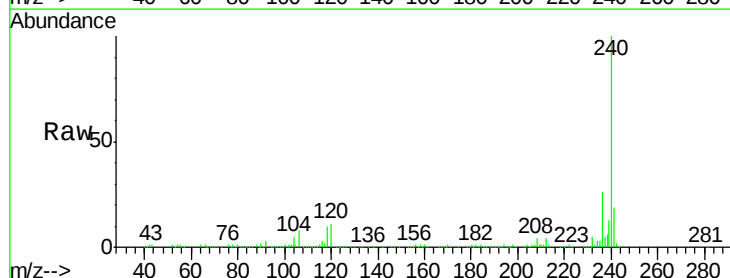


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

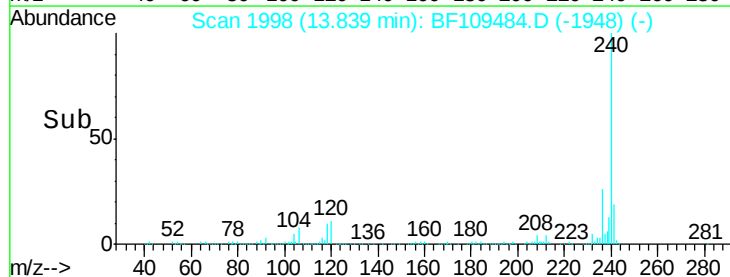
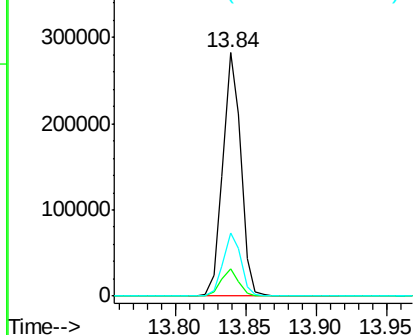


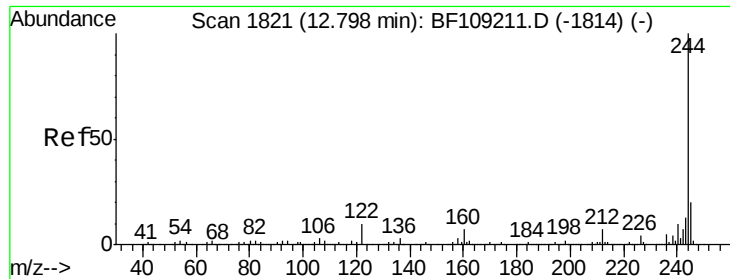
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Tgt Ion:240 Resp: 251968
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 25.9 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

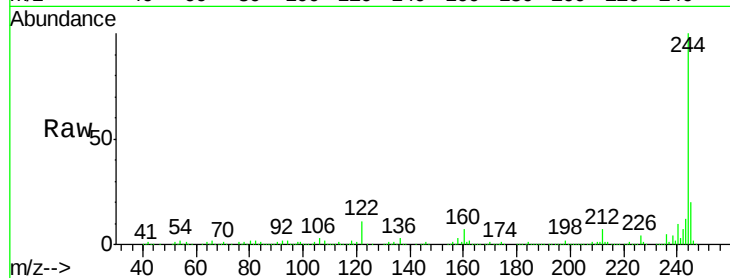




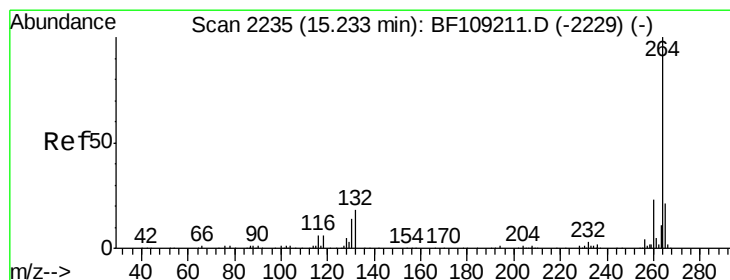
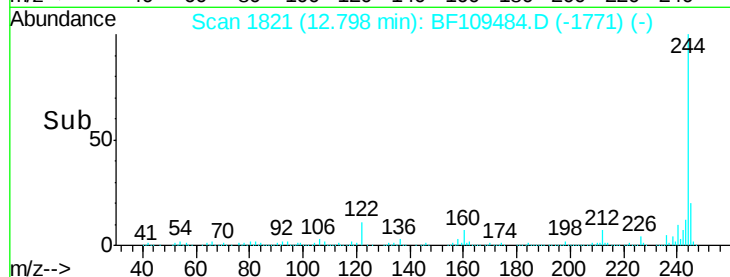
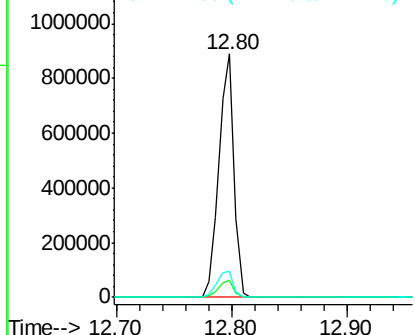
#78
 Terphenyl-d14
 Concen: 78.578 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-4

Tgt Ion:244 Resp: 806755
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.6 11.0 16.4#

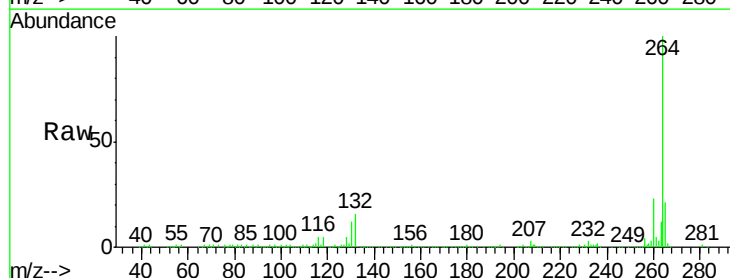


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109484.D
 Acq: 1 Oct 2018 20:24

Tgt Ion:264 Resp: 209531
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.3 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

