

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
 Data File : BF109485.D
 Acq On : 1 Oct 2018 20:50
 Operator : JU/SJ
 Sample : J5170-25
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-5

Quant Time: Oct 02 03:43:31 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

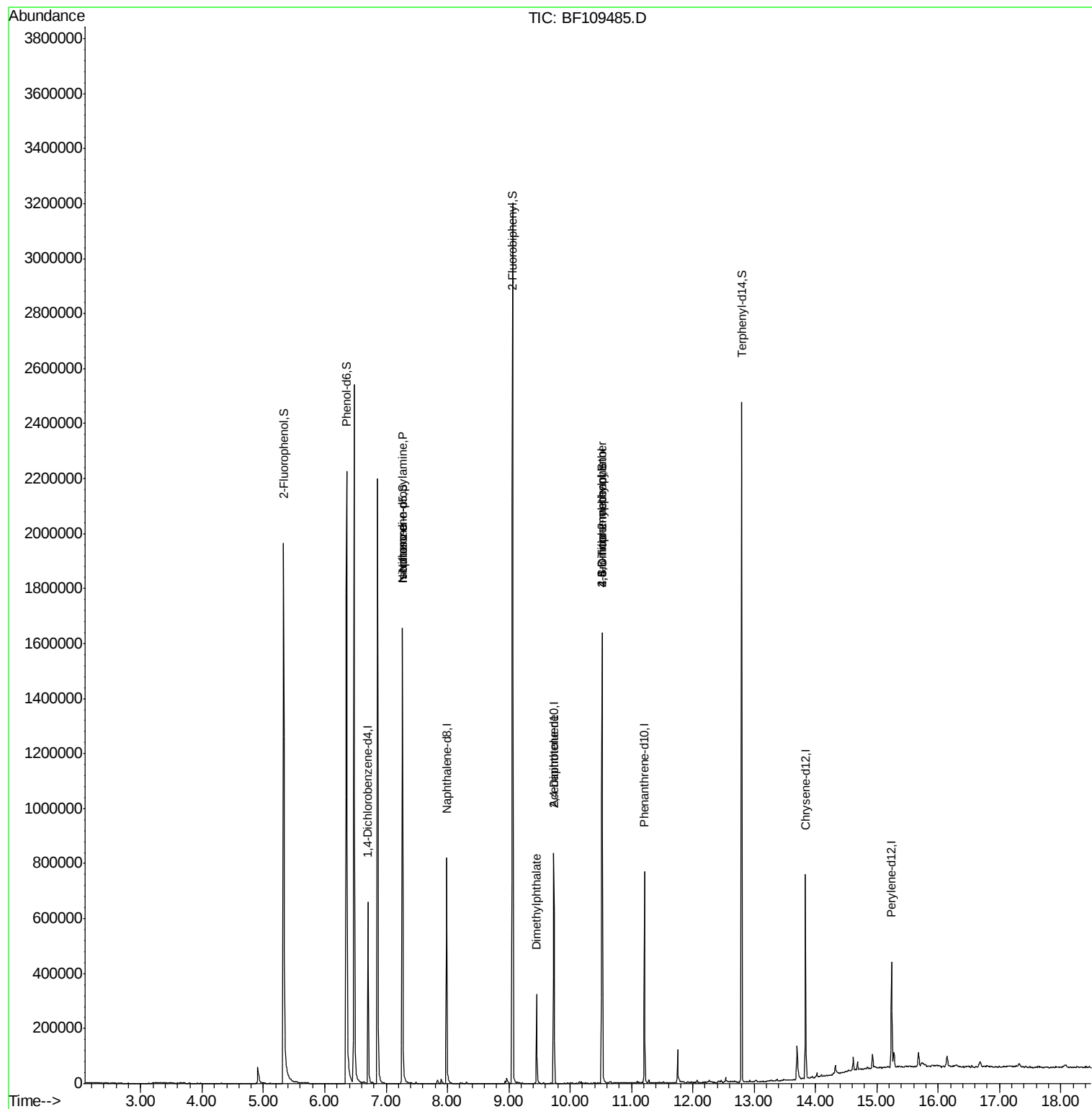
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	102798	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	374433	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	161694	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	277042	20.00	ng	0.00
75) Chrysene-d12	13.84	240	236595	20.00	ng	0.00
86) Perylene-d12	15.24	264	178405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	726731	116.44	ng	0.01
7) Phenol-d6	6.36	99	896398	112.56	ng	0.00
23) Nitrobenzene-d5	7.27	82	561063	88.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	196084	123.02	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	986354	92.00	ng	-0.01
78) Terphenyl-d14	12.80	244	857339	88.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	75993	14.562	ng	# 77
25) Isophorone	7.27	82	535958	46.923	ng	# 64
49) Dimethylphthalate	9.46	163	141018	11.991	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	20484	6.951	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	322	6.771	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11945	3.883	ng	# 1

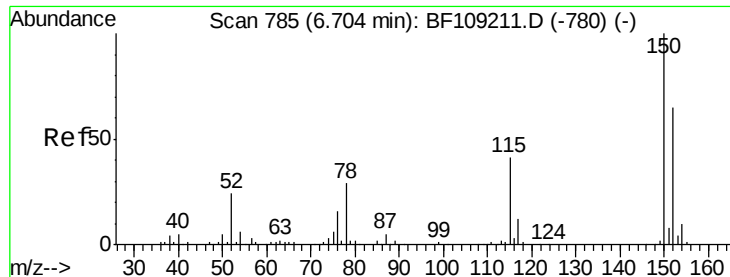
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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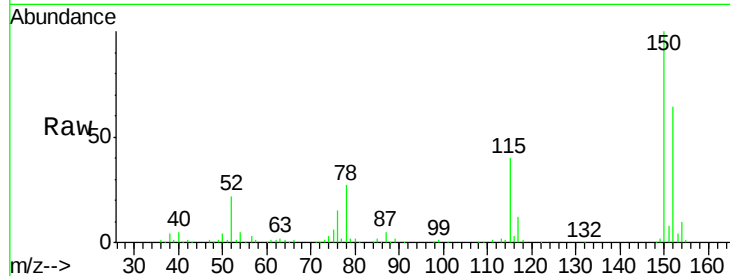


#1

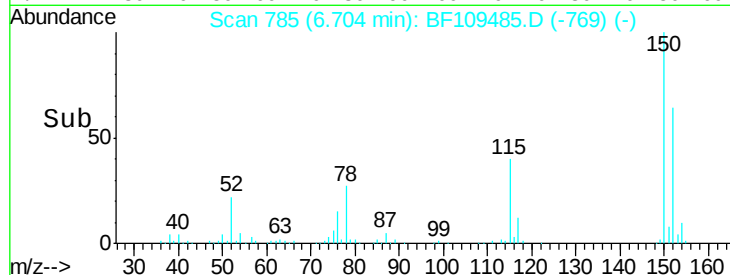
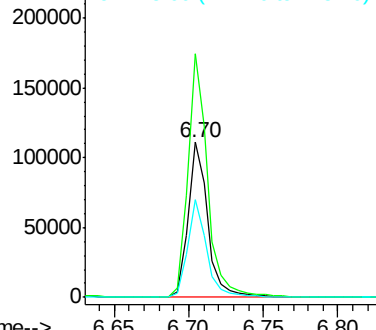
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109485.D
Acq: 1 Oct 2018 20:50

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-5

Tgt Ion:152 Resp: 102798
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 63.3 50.1 75.1



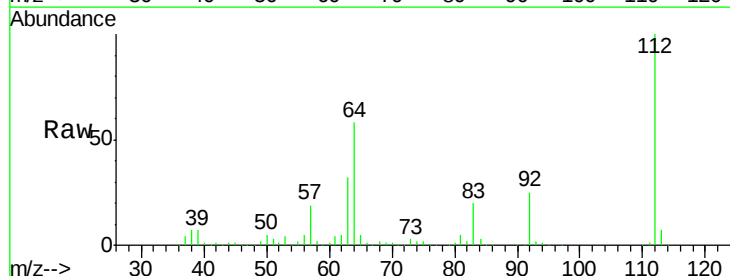
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



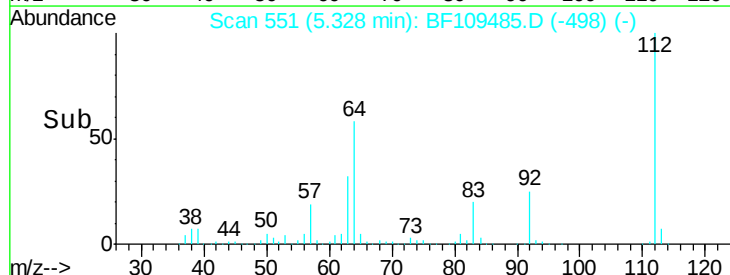
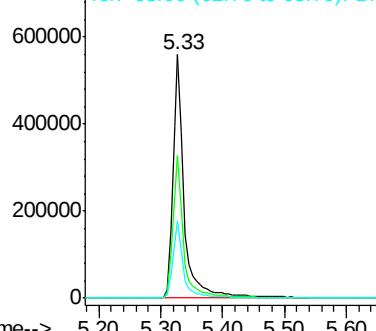
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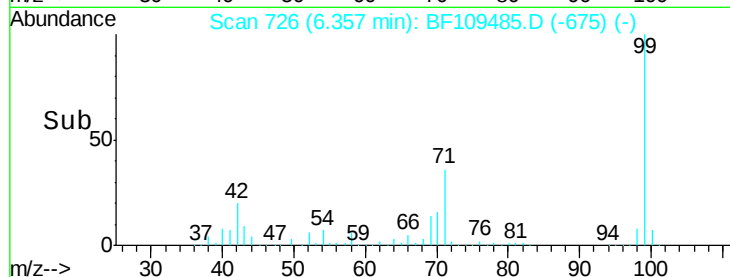
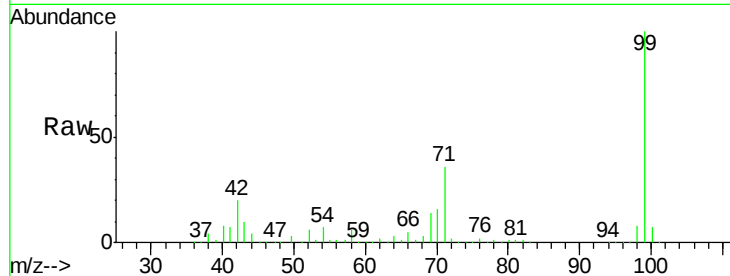
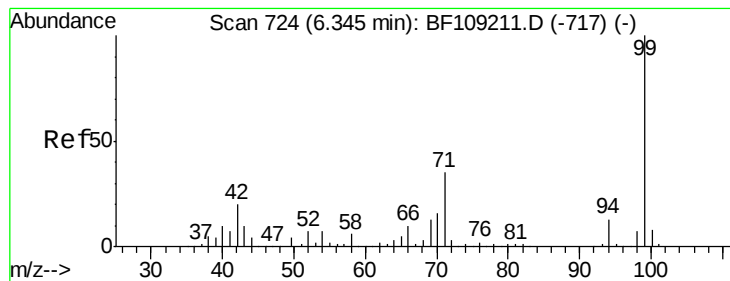
2-Fluorophenol
Concen: 116.440 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109485.D
Acq: 1 Oct 2018 20:50

Tgt Ion:112 Resp: 726731
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 31.5 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: 112.556 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Instrument :

BNA_F

ClientSampled :

HC-SOIL-5

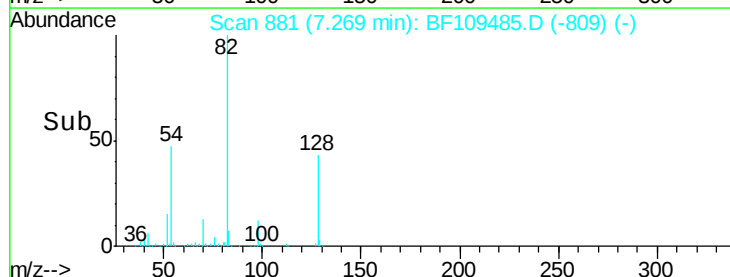
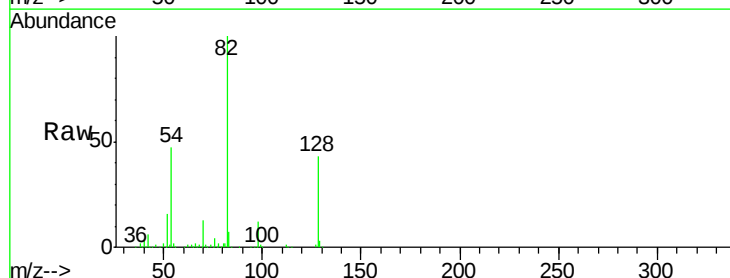
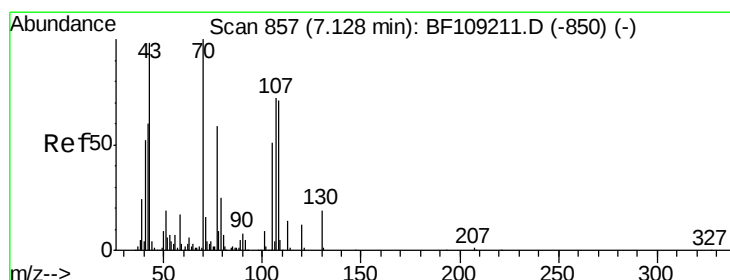
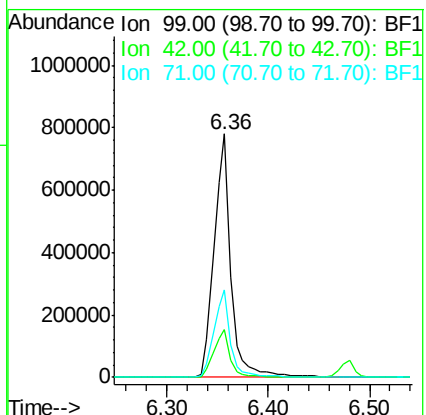
Tgt Ion: 99 Resp: 896398

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 35.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.562 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Tgt Ion: 70 Resp: 75993

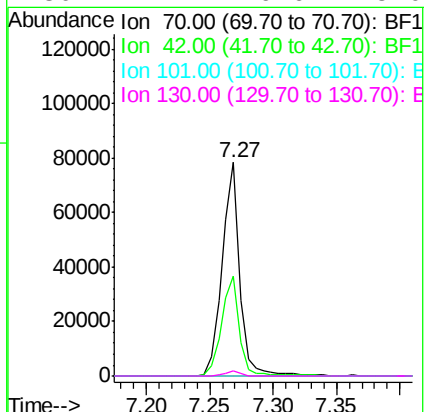
Ion Ratio Lower Upper

70 100

42 46.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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: BF109485.D

Acq: 1 Oct 2018 20:50

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-5

Tgt Ion: 136 Resp: 374433

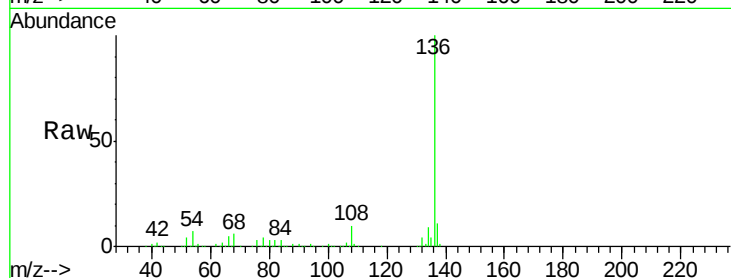
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.6 6.6 9.8

68 5.8 5.0 7.4

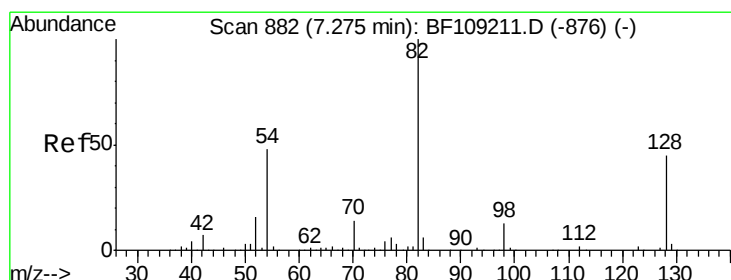
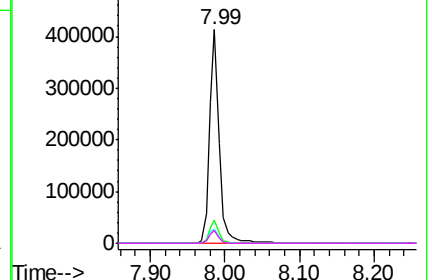
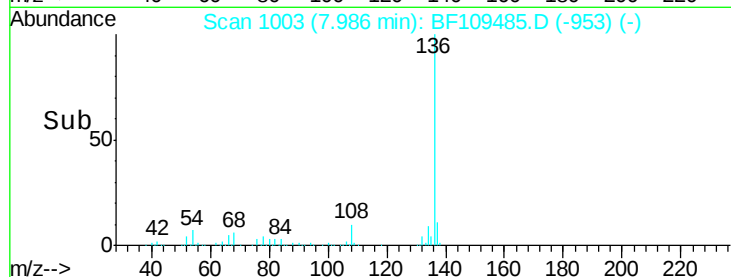


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.455 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

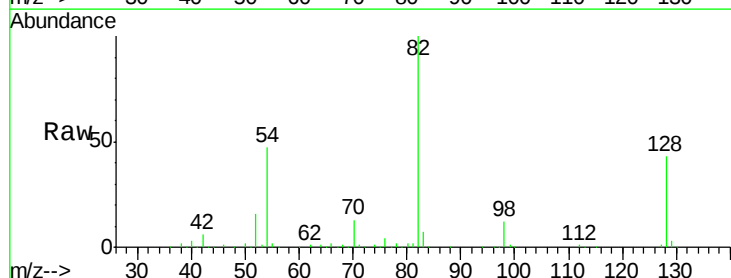
Tgt Ion: 82 Resp: 561063

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

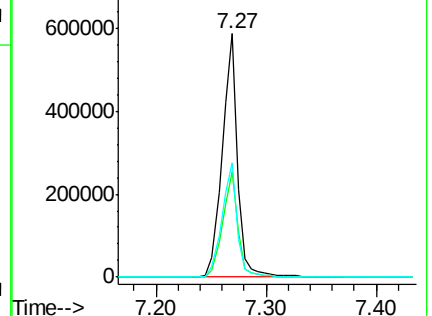
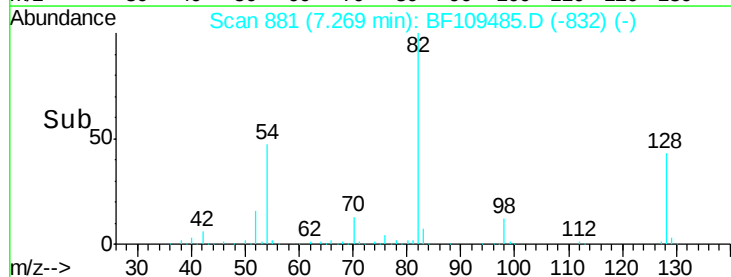
54 46.9 41.4 62.2

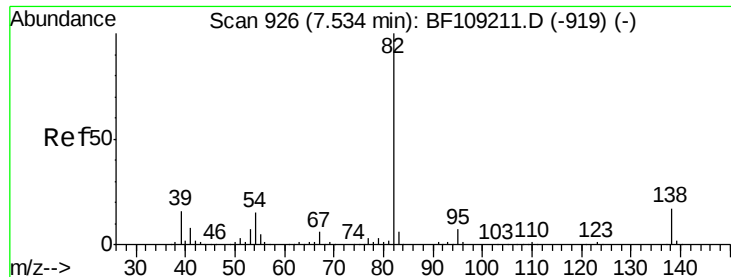


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.923 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-5

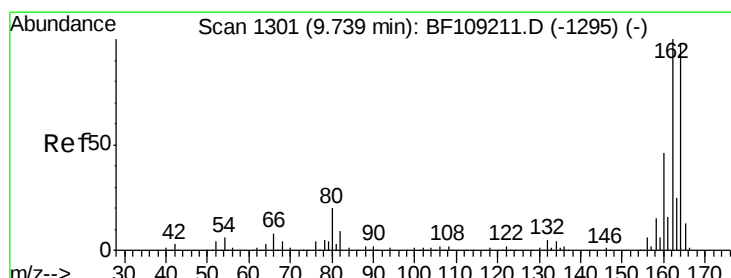
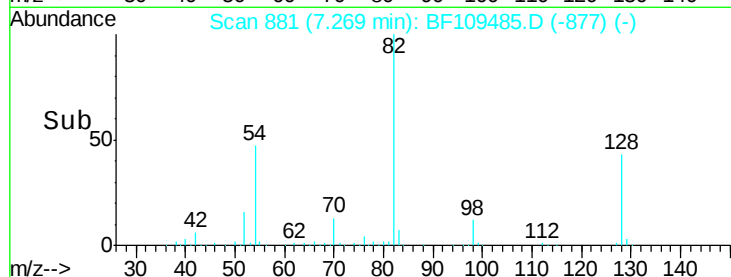
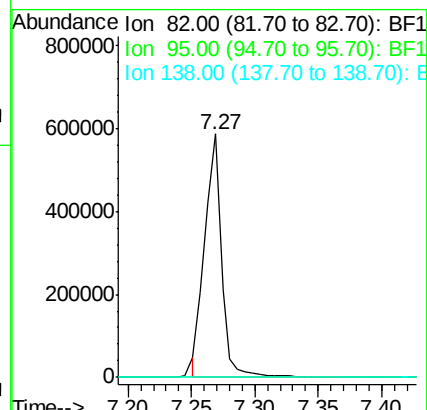
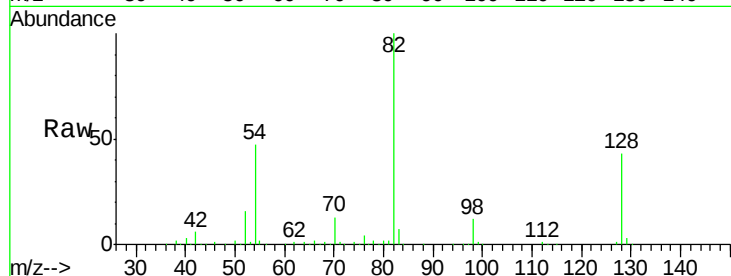
Tgt Ion: 82 Resp: 535958

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

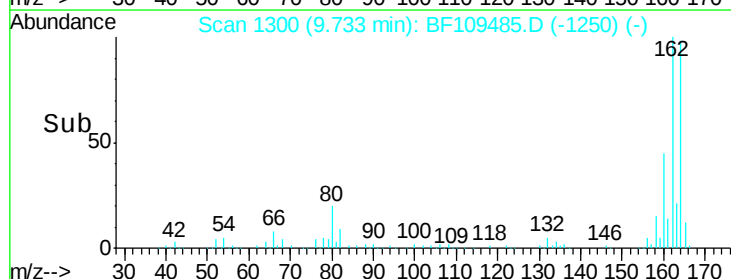
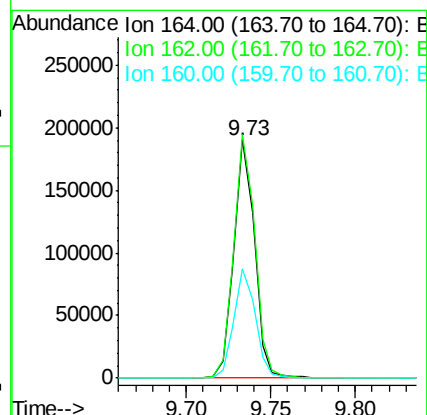
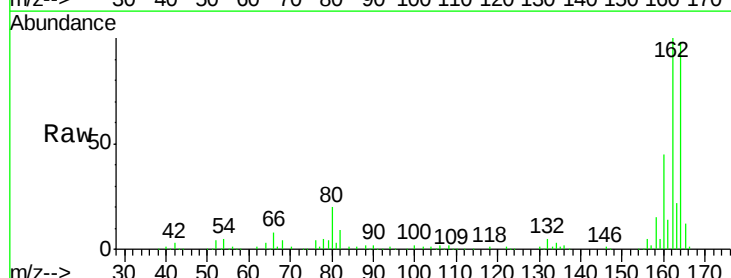
Tgt Ion: 164 Resp: 161694

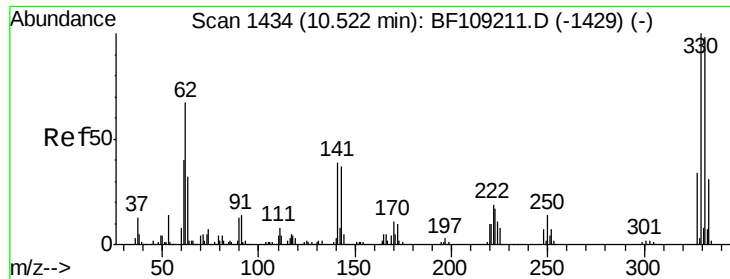
Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

160 46.1 38.3 57.5

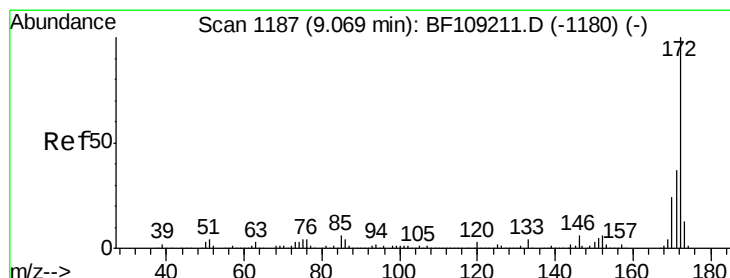
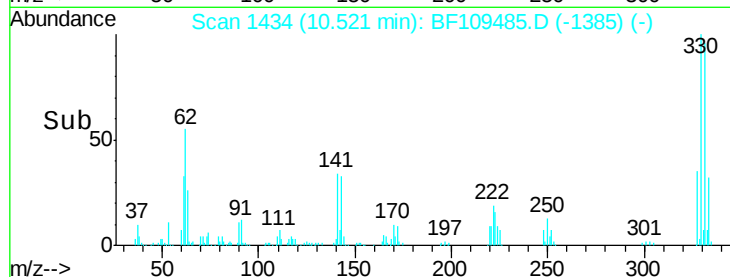
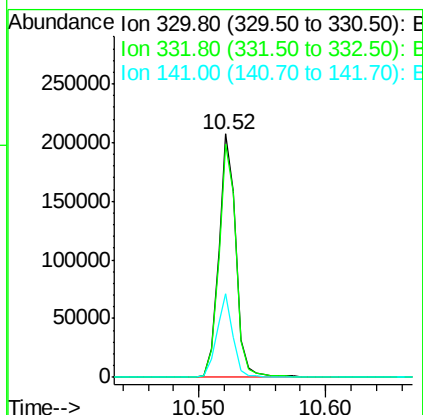
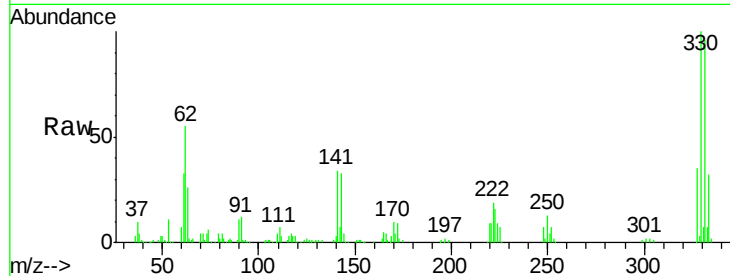




#41
 2,4,6-Tribromophenol
 Concen: 123.016 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109485.D
 Acq: 1 Oct 2018 20:50

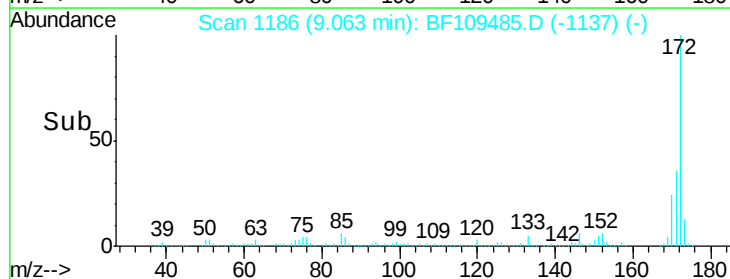
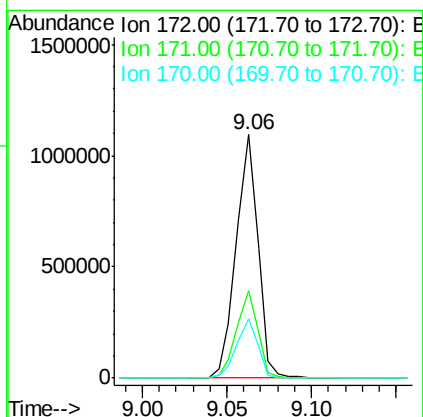
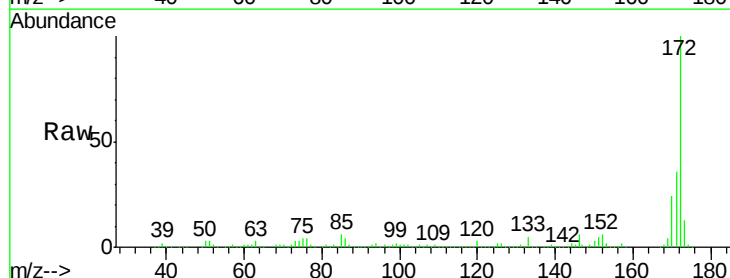
Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-5

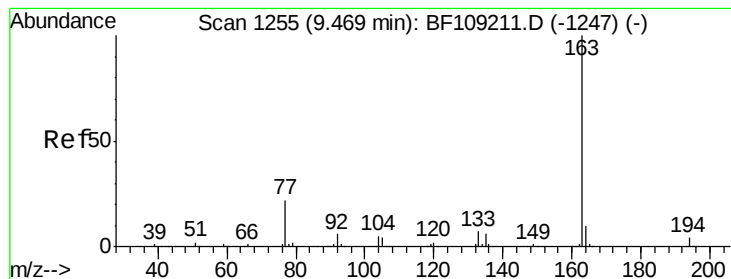
Tgt Ion:330 Resp: 196084
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 32.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 92.002 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109485.D
 Acq: 1 Oct 2018 20:50

Tgt Ion:172 Resp: 986354
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.1 19.6 29.4





#49

Dimethylphthalate

Concen: 11.991 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-5

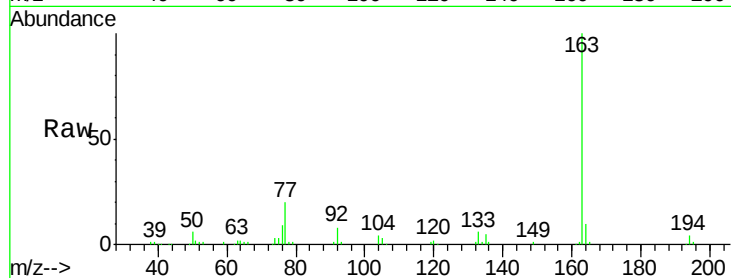
Tgt Ion:163 Resp: 141018

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

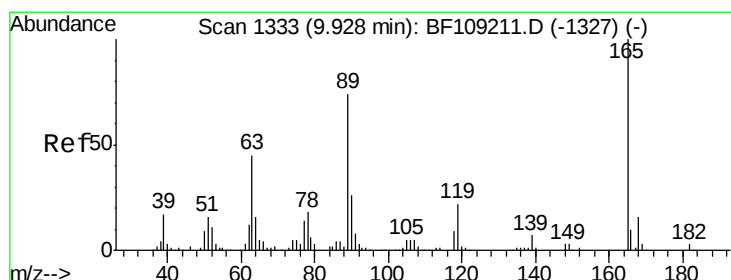
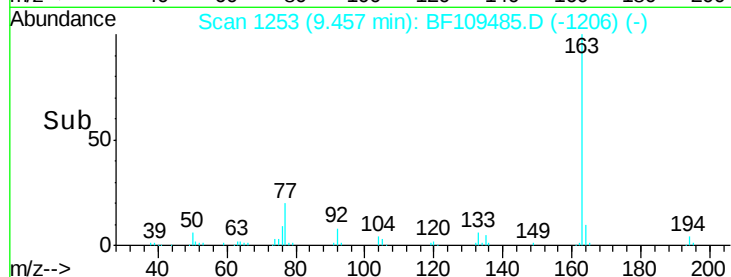
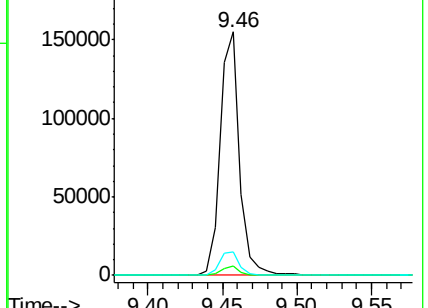
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.951 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Tgt Ion:165 Resp: 20484

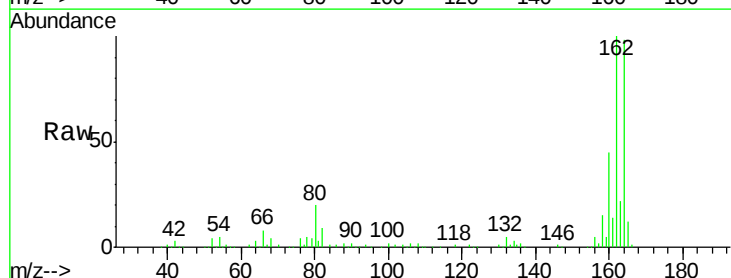
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

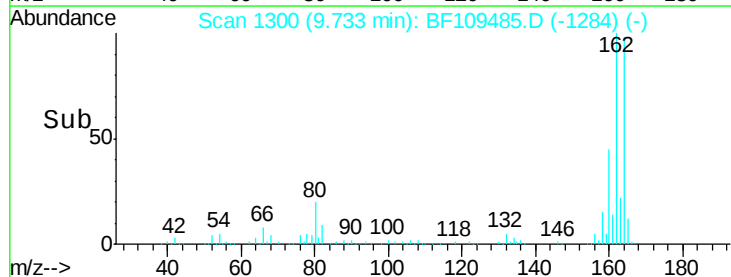
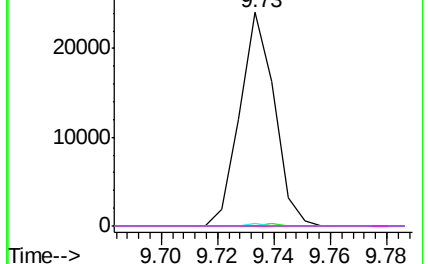


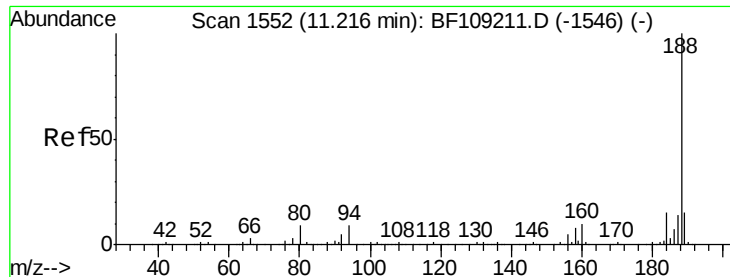
Abundance Ion 165.00 (164.70 to 165.70): E

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

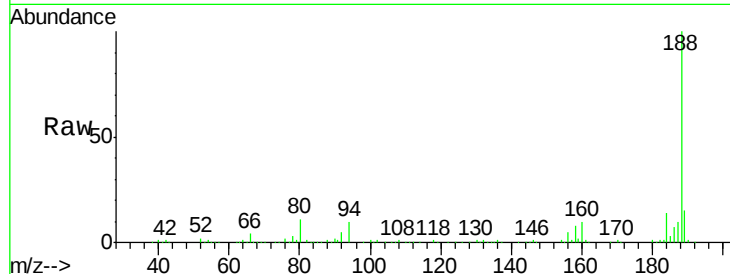




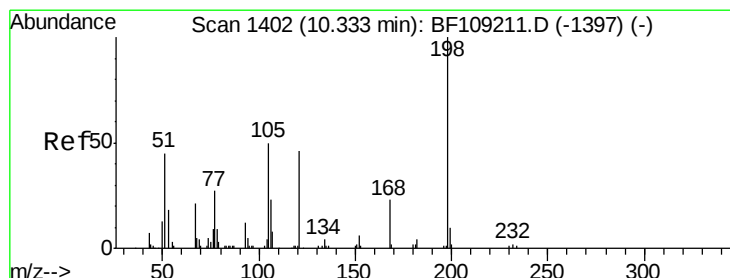
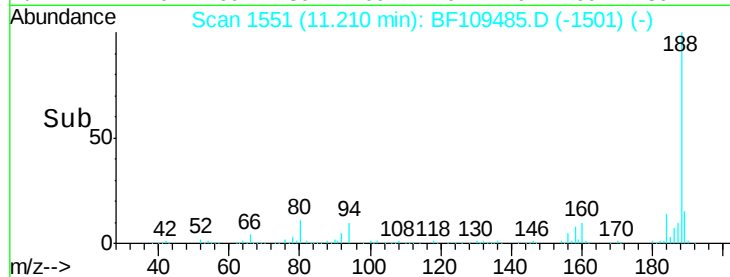
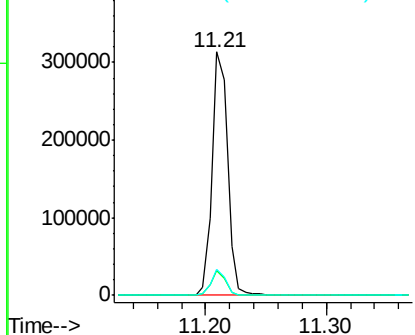
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109485.D
Acq: 1 Oct 2018 20:50

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-5

Tgt Ion:188 Resp: 277042
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.6 9.2 13.8

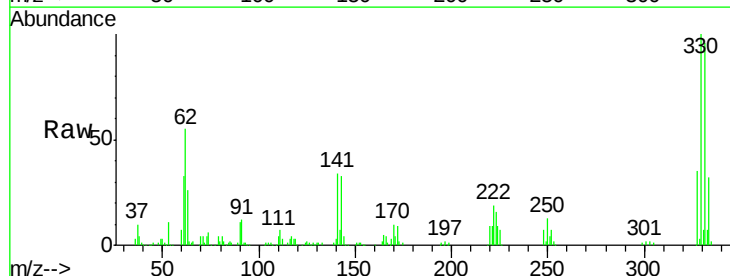


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

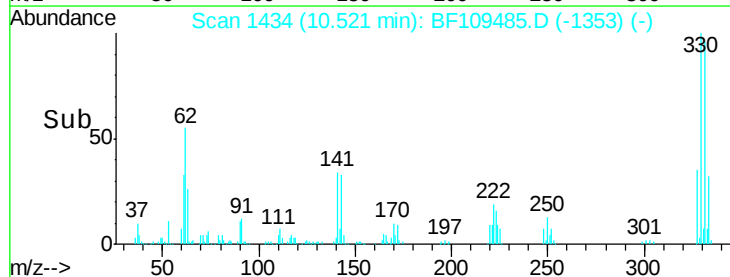
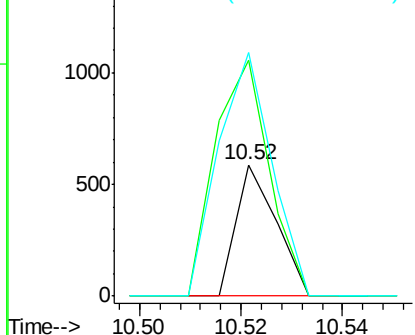


#64
4,6-Dinitro-2-methylphenol
Concen: 6.771 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109485.D
Acq: 1 Oct 2018 20:50

Tgt Ion:198 Resp: 322
Ion Ratio Lower Upper
198 100
51 179.8 37.7 77.7#
105 185.5 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

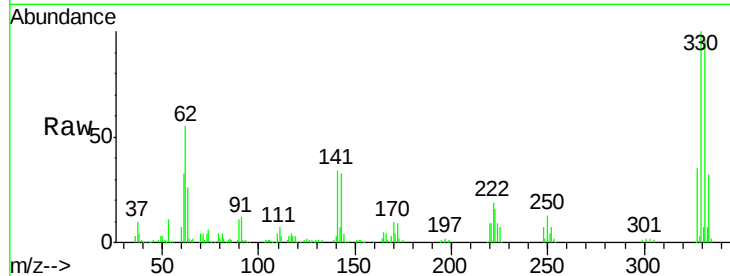




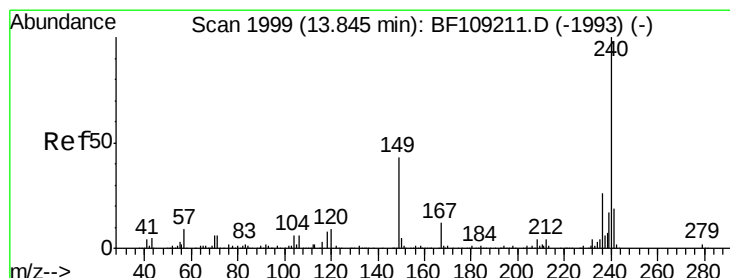
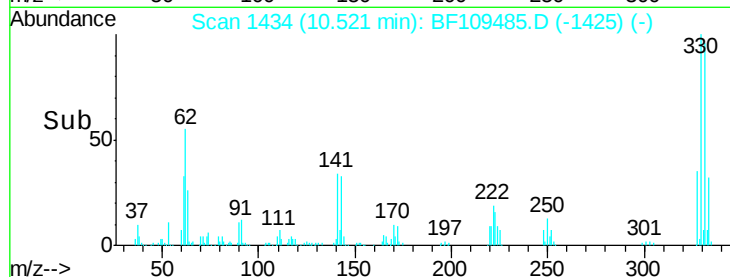
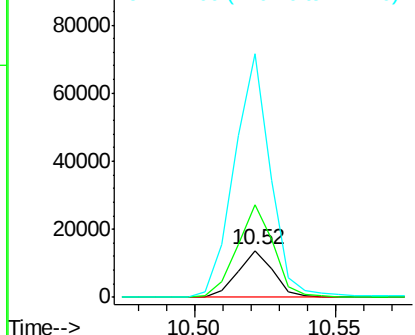
#66
 4-Bromophenyl-phenylether
 Concen: 3.883 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109485.D
 Acq: 1 Oct 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-5

Tgt Ion:248 Resp: 11945
 Ion Ratio Lower Upper
 248 100
 250 195.7 76.9 115.3#
 141 518.0 74.4 111.6#

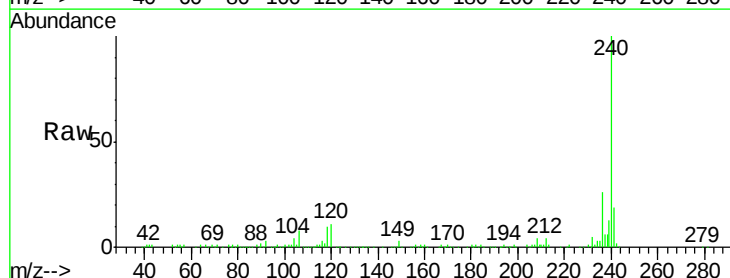


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

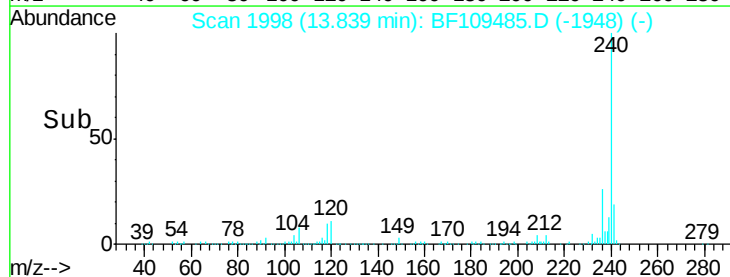
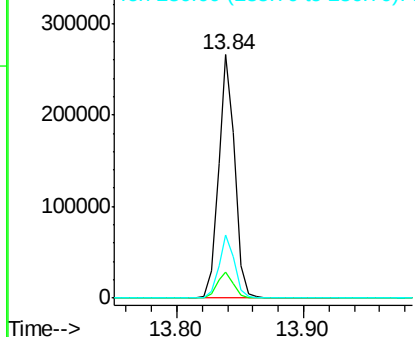


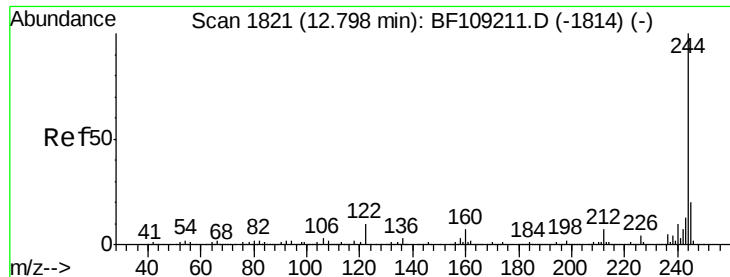
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF109485.D
 Acq: 1 Oct 2018 20:50

Tgt Ion:240 Resp: 236595
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 25.8 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: 88.930 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109485.D

Acq: 1 Oct 2018 20:50

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-5

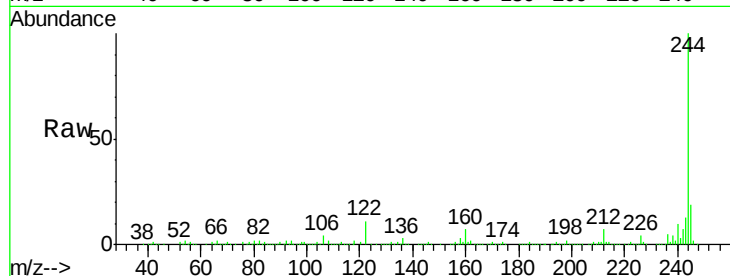
Tgt Ion:244 Resp: 857339

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

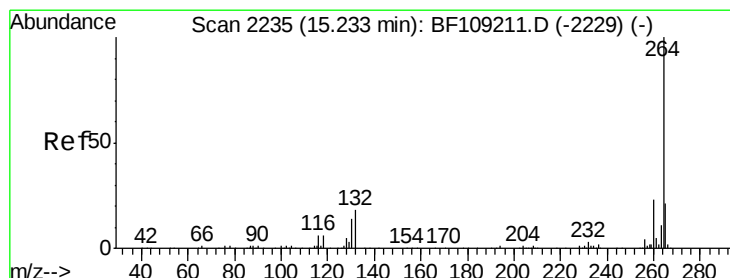
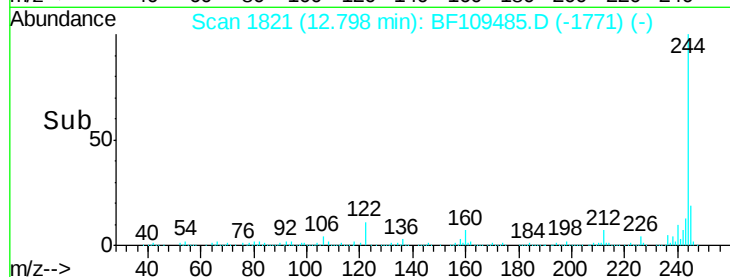
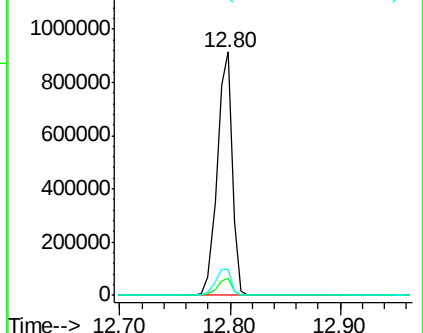
122 10.7 11.0 16.4#



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: BF109485.D

Acq: 1 Oct 2018 20:50

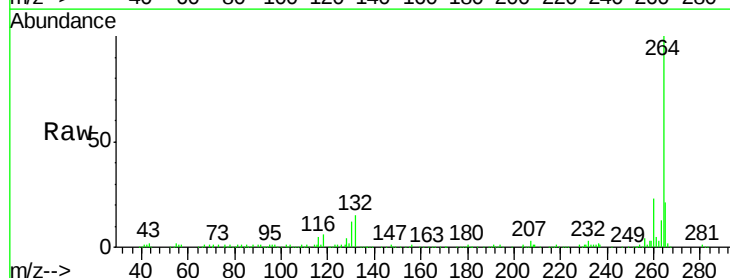
Tgt Ion:264 Resp: 178405

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.2 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

