

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
 Data File : BF109480.D
 Acq On : 1 Oct 2018 18:39
 Operator : JU/SJ
 Sample : J5170-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-2

Quant Time: Oct 02 03:42:20 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

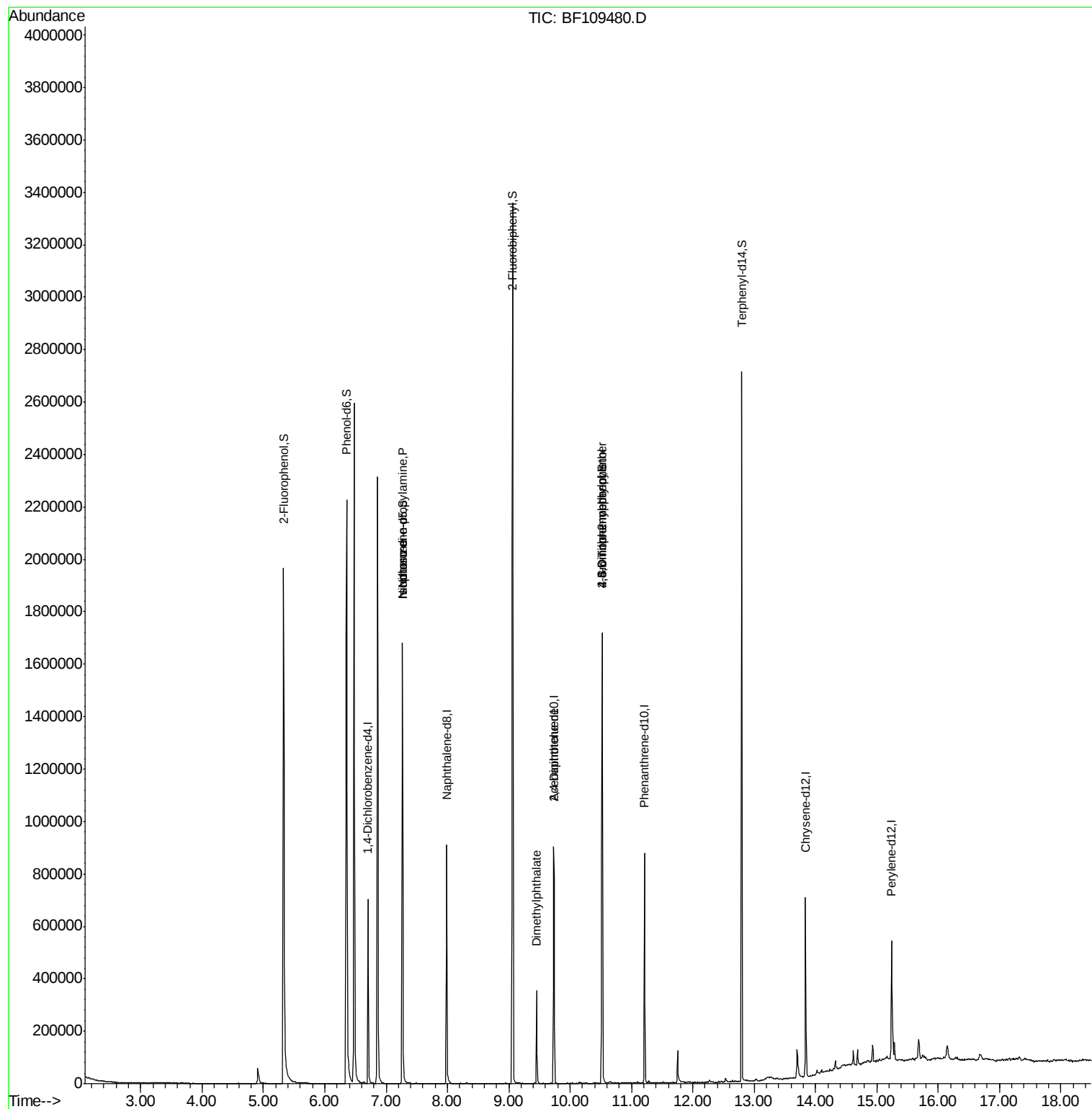
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	107050	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	400135	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	181268	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	318287	20.00	ng	0.00
75) Chrysene-d12	13.84	240	245786	20.00	ng	0.00
86) Perylene-d12	15.24	264	192813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	719778	110.75	ng	0.01
7) Phenol-d6	6.36	99	901656	108.72	ng	0.00
23) Nitrobenzene-d5	7.27	82	568643	83.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	211391	118.30	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1033446	85.99	ng	-0.01
78) Terphenyl-d14	12.80	244	921265	91.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	76272	14.035	ng	# 77
25) Isophorone	7.27	82	548441	44.932	ng	# 64
49) Dimethylphthalate	9.46	163	147230	11.167	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	22846	6.915	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	490	6.852	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	12759	3.610	ng	# 1

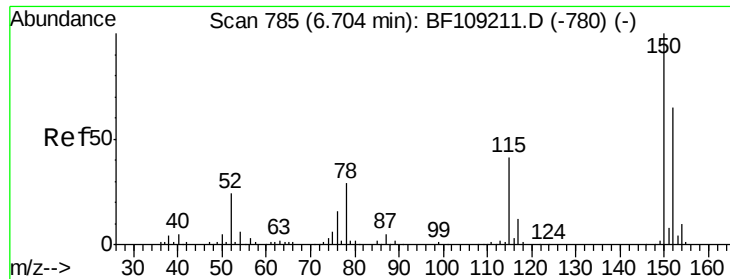
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
Data File : BF109480.D
Acq On : 1 Oct 2018 18:39
Operator : JU/SJ
Sample : J5170-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-2

Quant Time: Oct 02 03:42:20 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

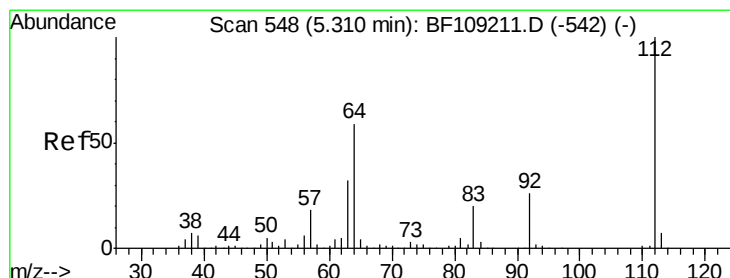
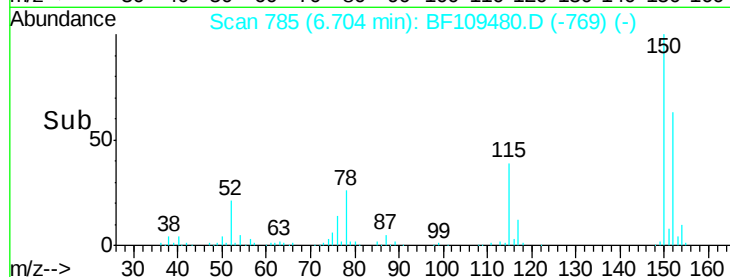
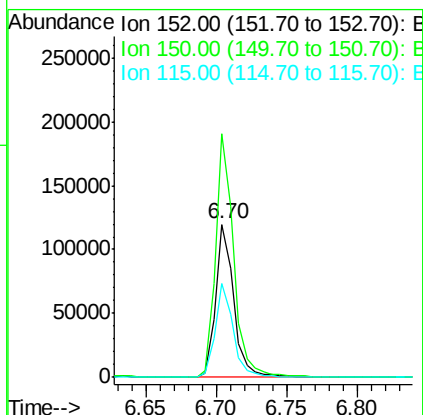
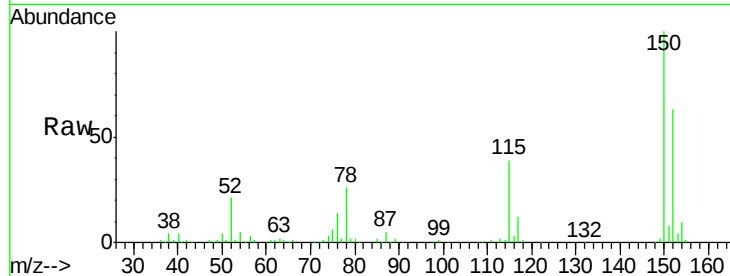




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

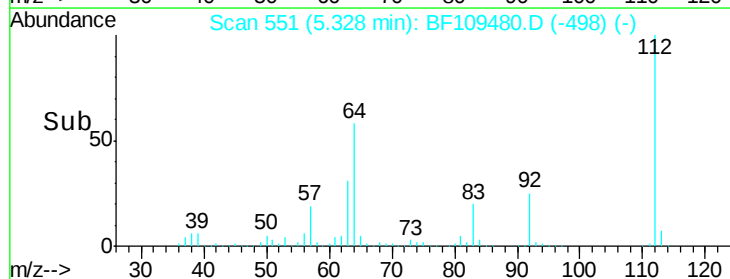
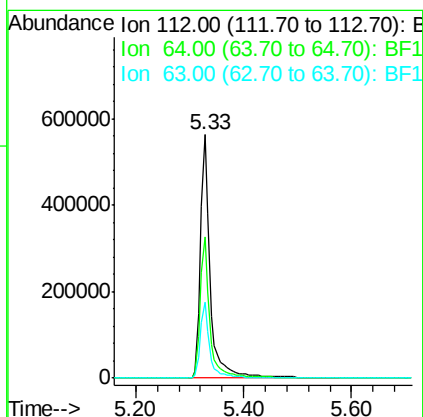
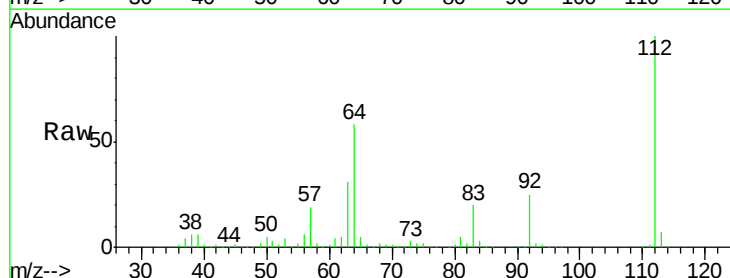
Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-2

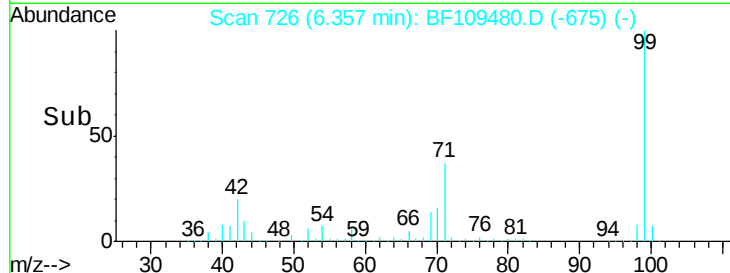
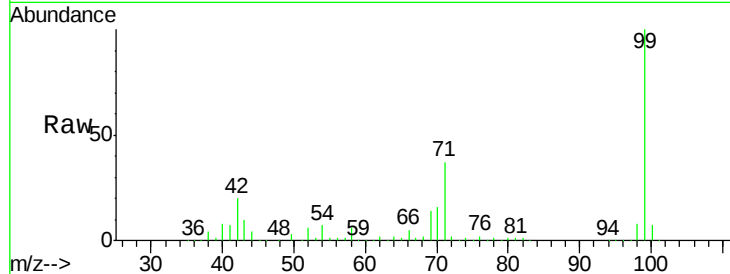
Tgt Ion:152 Resp: 107050
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.6 186.8
 115 61.4 50.1 75.1



#5
 2-Fluorophenol
 Concen: 110.745 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

Tgt Ion:112 Resp: 719778
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 31.0 23.7 35.5





#7

Phenol-d6

Concen: 108.719 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

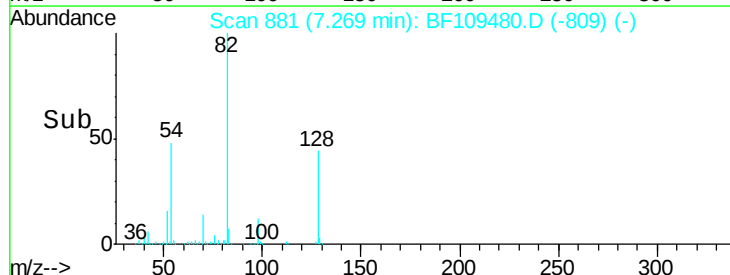
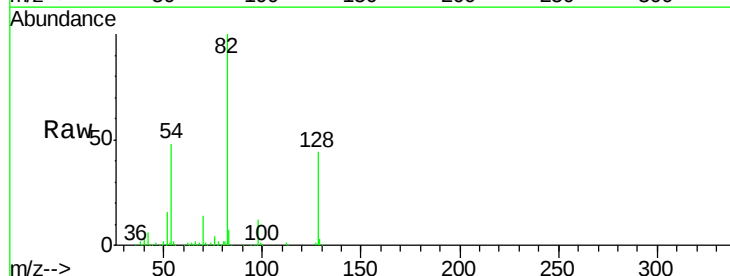
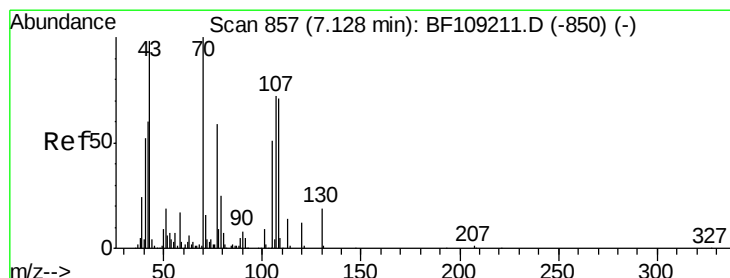
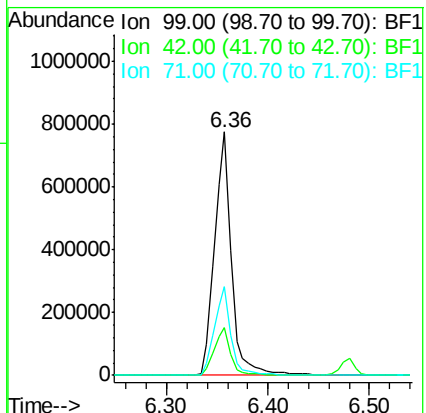
Tgt Ion: 99 Resp: 901656

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 36.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.035 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Tgt Ion: 70 Resp: 76272

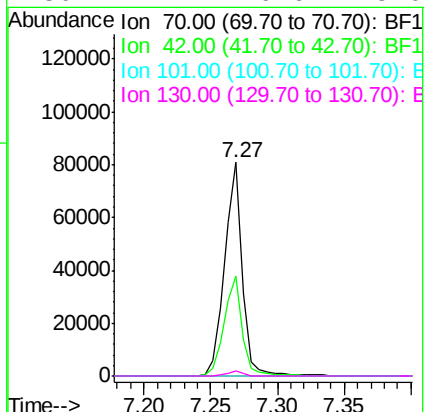
Ion Ratio Lower Upper

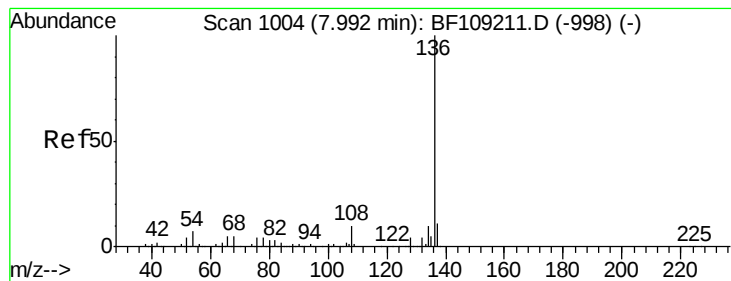
70 100

42 46.8 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: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

Tgt Ion:136 Resp: 400135

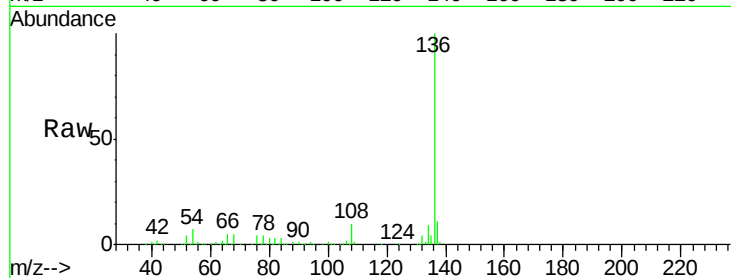
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.8 6.6 9.8

68 5.4 5.0 7.4

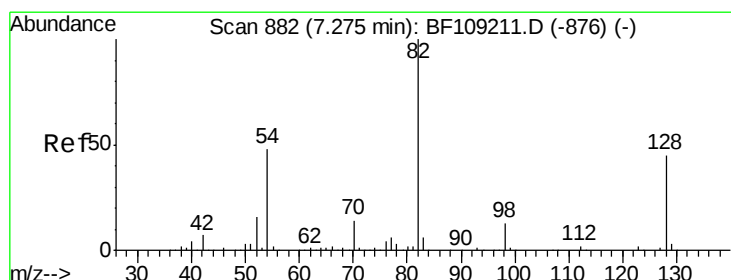
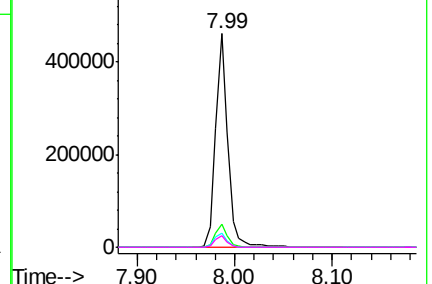
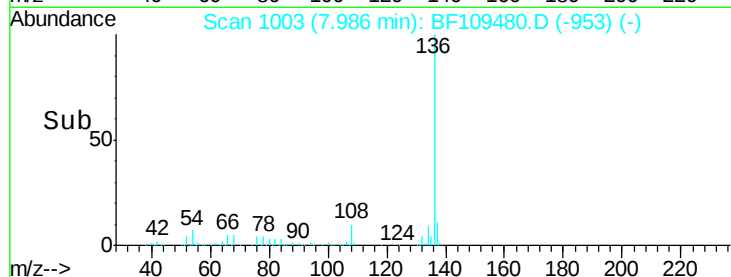


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.891 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

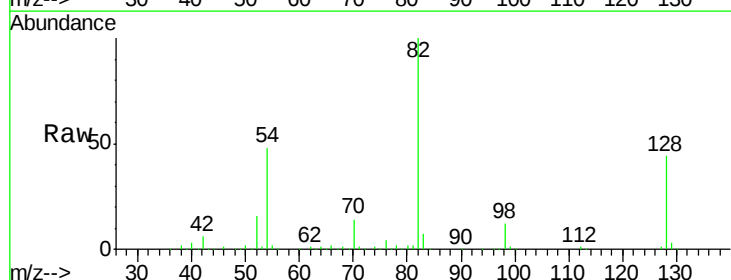
Tgt Ion: 82 Resp: 568643

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

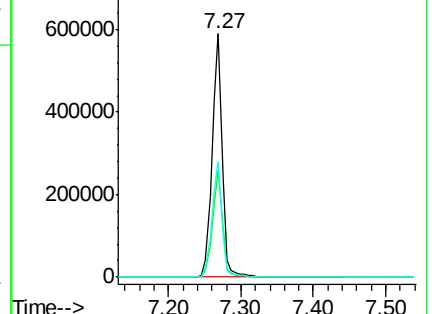
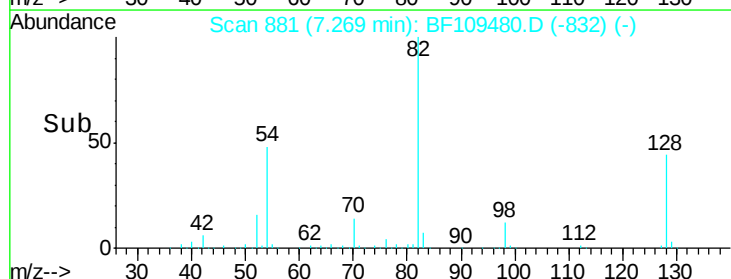
54 47.7 41.4 62.2

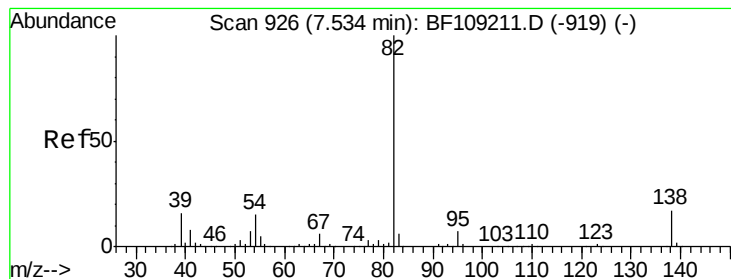


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.932 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

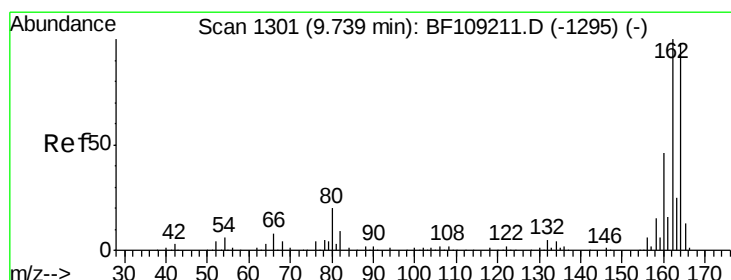
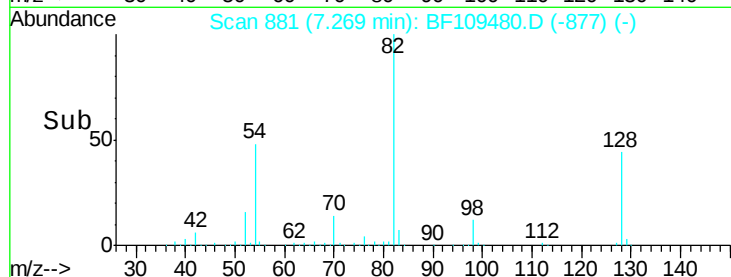
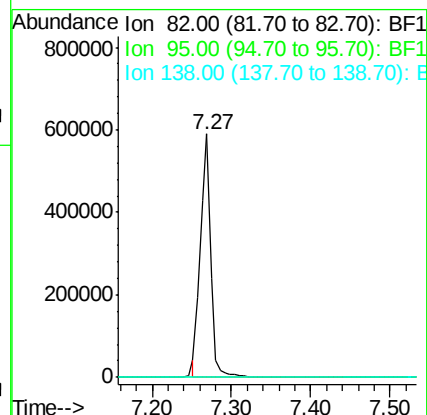
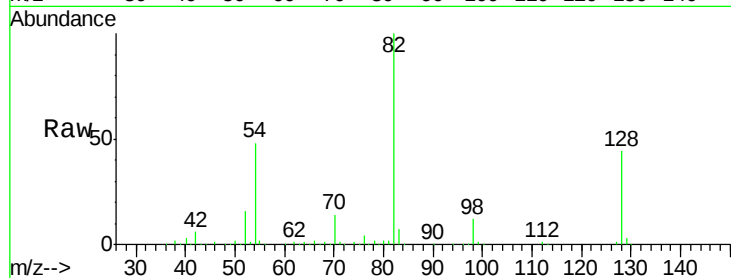
Tgt Ion: 82 Resp: 548441

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: BF109480.D

Acq: 1 Oct 2018 18:39

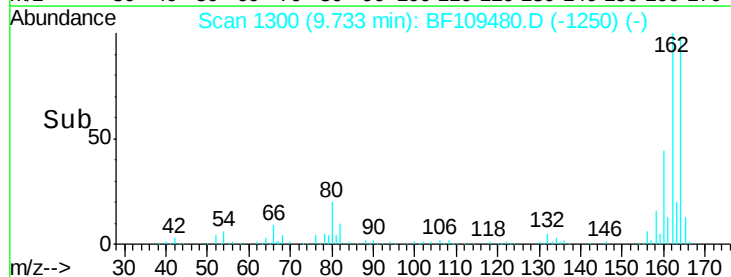
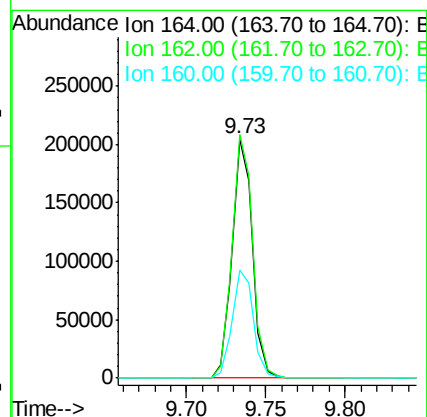
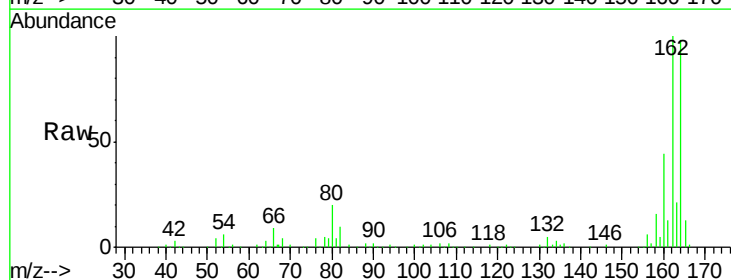
Tgt Ion: 164 Resp: 181268

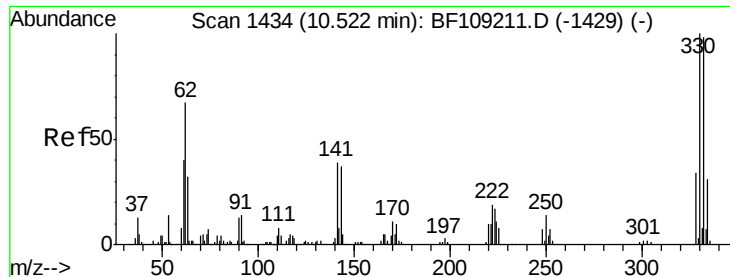
Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

160 45.3 38.3 57.5

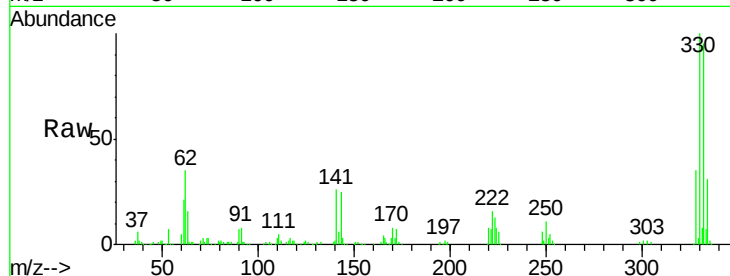




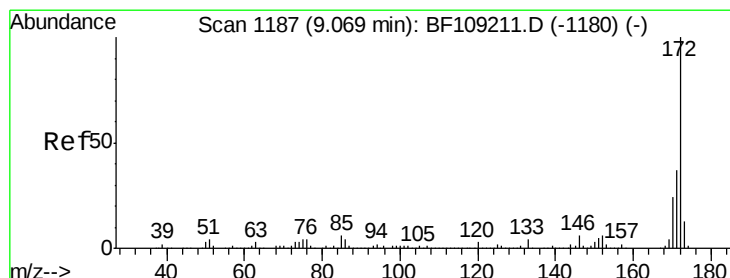
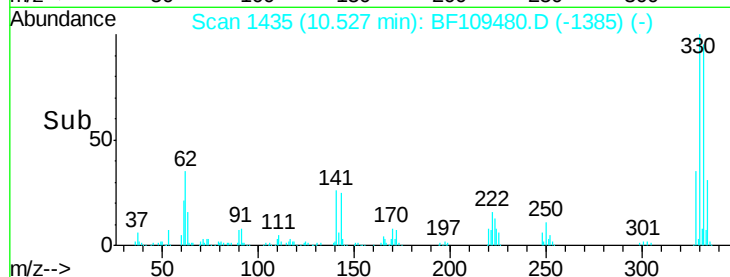
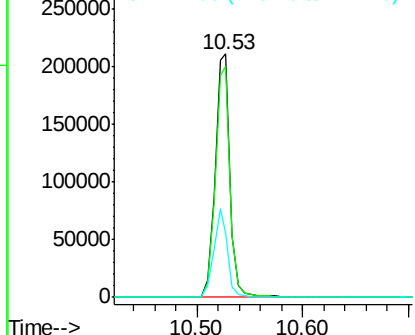
#41
 2,4,6-Tribromophenol
 Concen: 118.299 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampled :
 HC-SOIL-2

Tgt Ion:330 Resp: 211391
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 33.6 29.9 44.9

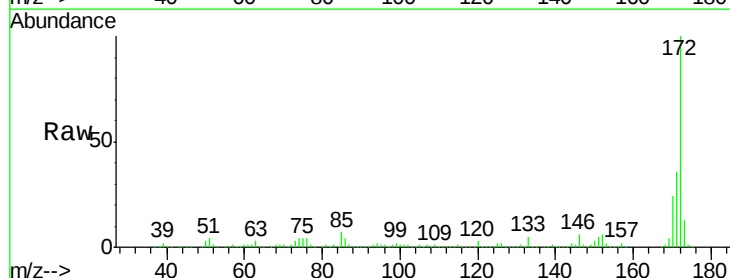


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

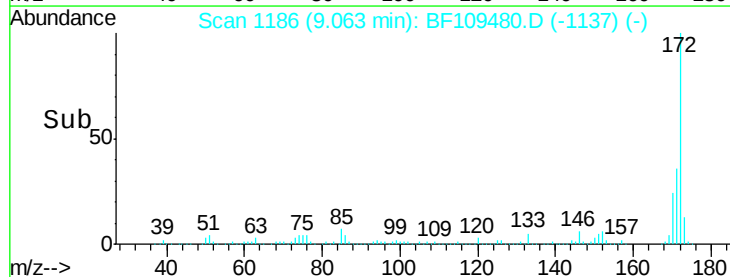
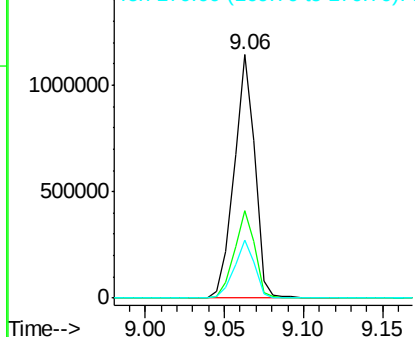


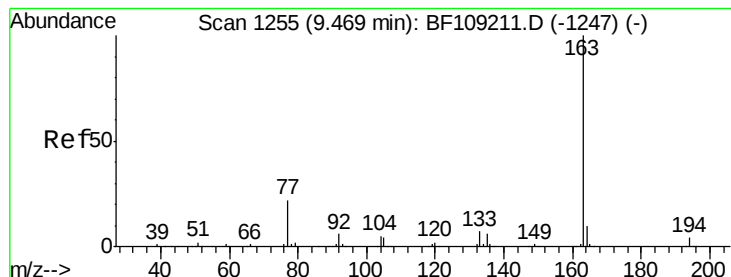
#44
 2-Fluorobiphenyl
 Concen: 85.985 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

Tgt Ion:172 Resp: 1033446
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.9 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





#49

Dimethylphthalate

Concen: 11.167 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

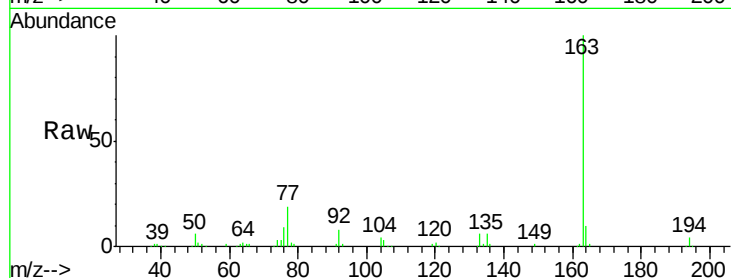
Tgt Ion:163 Resp: 147230

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

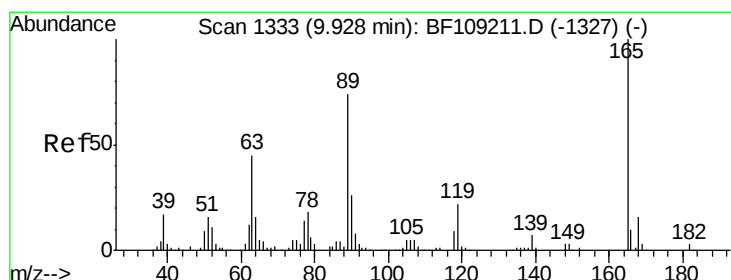
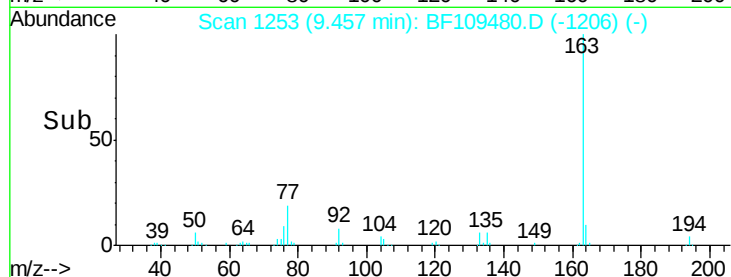
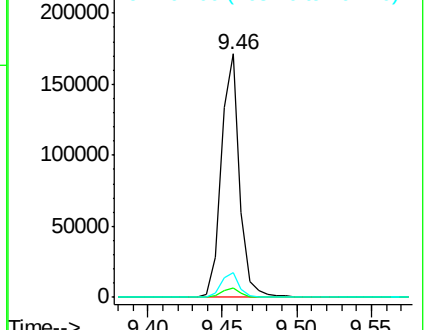
164 10.0 8.2 12.2



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: 6.915 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Tgt Ion:165 Resp: 22846

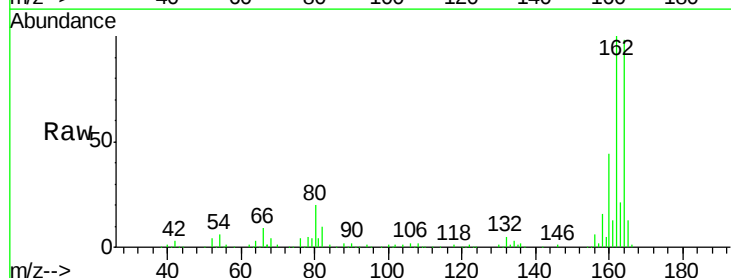
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

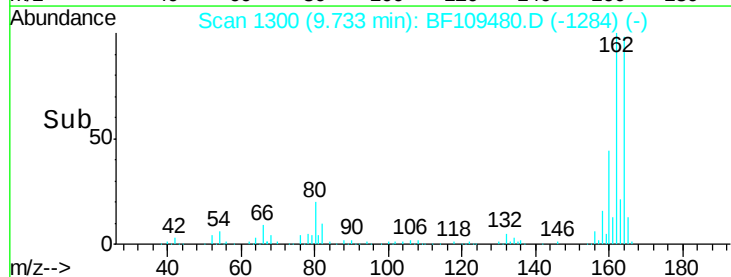
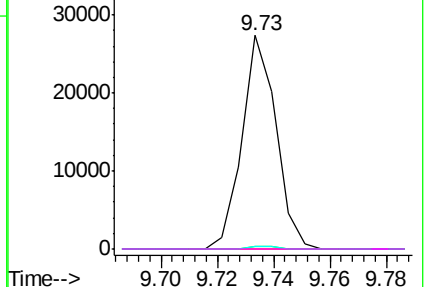


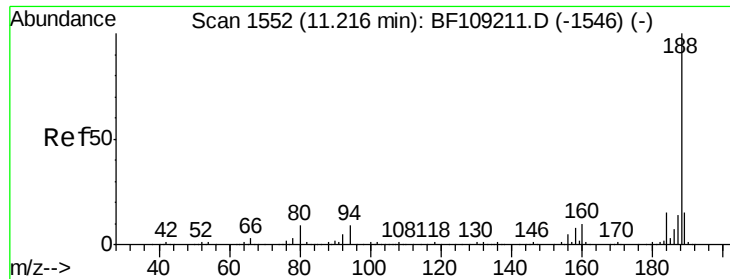
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

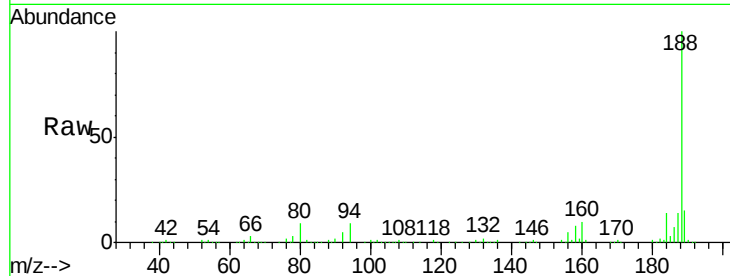
Tgt Ion:188 Resp: 318287

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

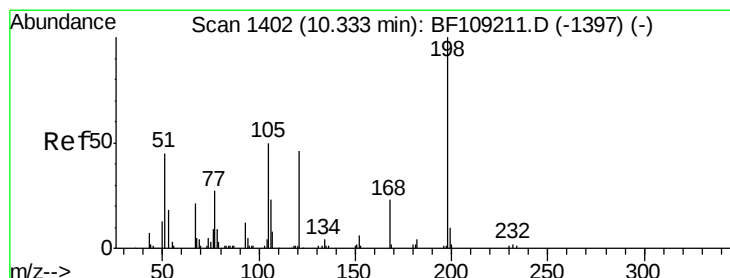
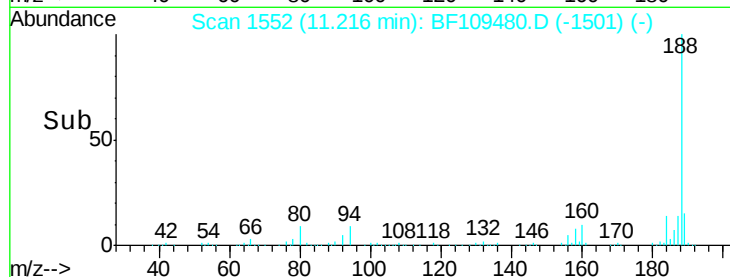
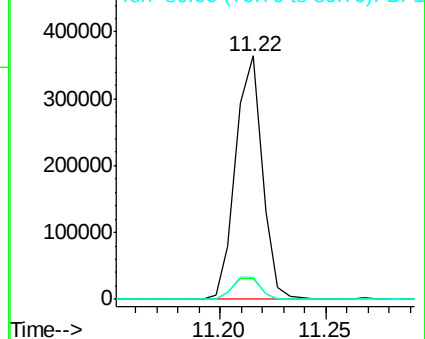
80 8.9 9.2 13.8#



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: 6.852 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

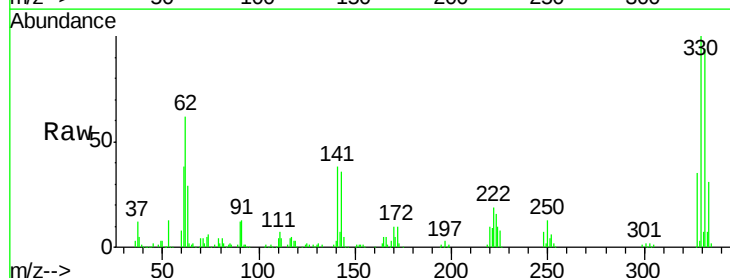
Tgt Ion:198 Resp: 490

Ion Ratio Lower Upper

198 100

51 177.3 37.7 77.7#

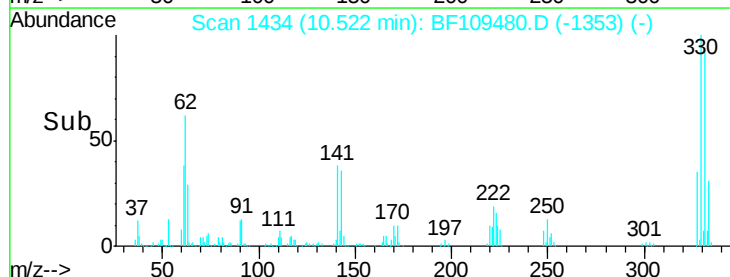
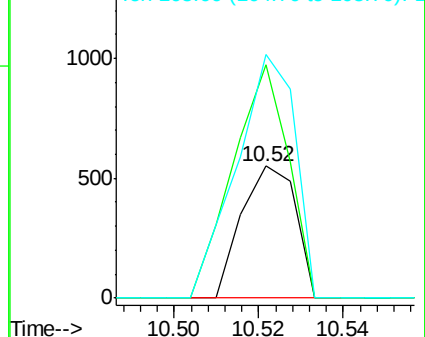
105 184.7 36.3 76.3#



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

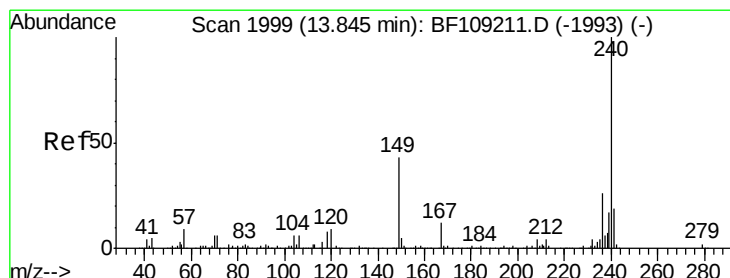
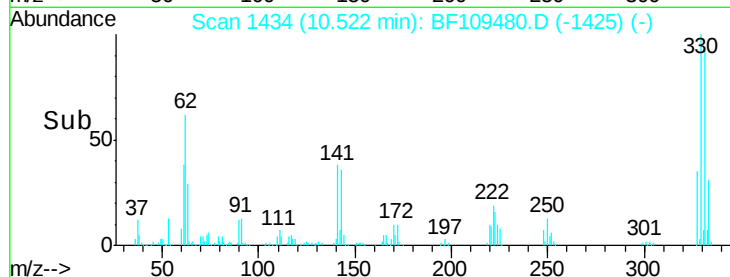
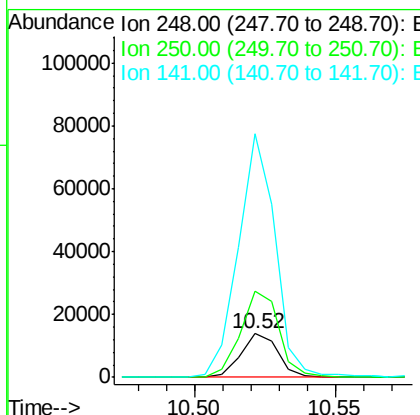
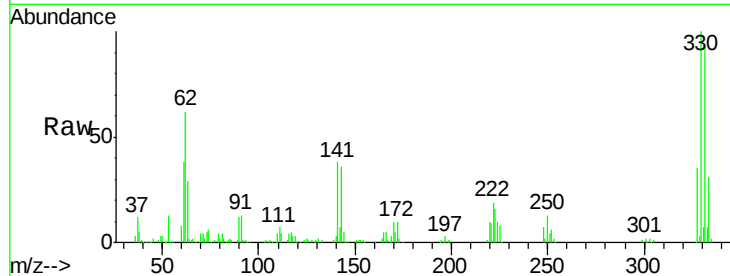




#66
 4-Bromophenyl-phenylether
 Concen: 3.610 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

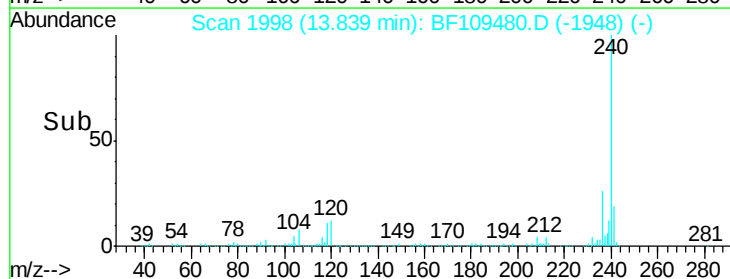
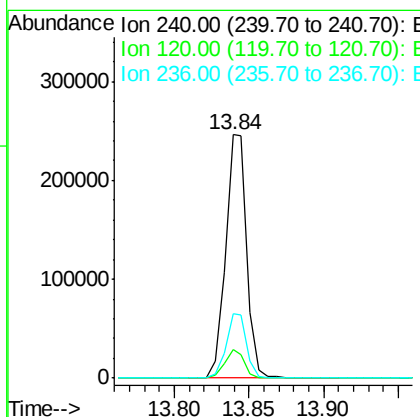
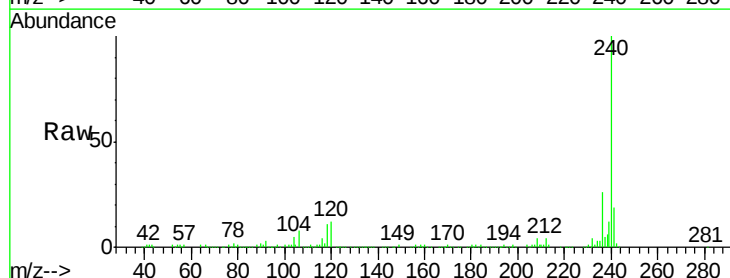
Instrument :
 BNA_F
 ClientSampled :
 HC-SOIL-2

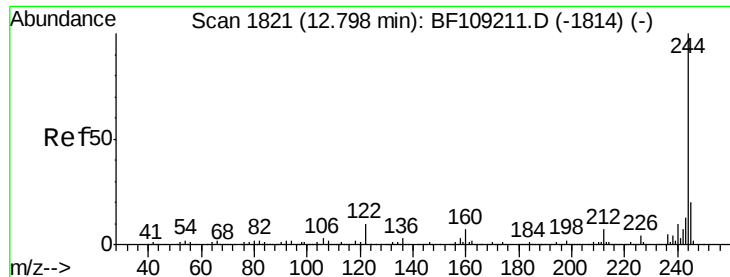
Tgt Ion:248 Resp: 12759
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.9 115.3#
 141 559.1 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF109480.D
 Acq: 1 Oct 2018 18:39

Tgt Ion:240 Resp: 245786
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 91.988 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109480.D

Acq: 1 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

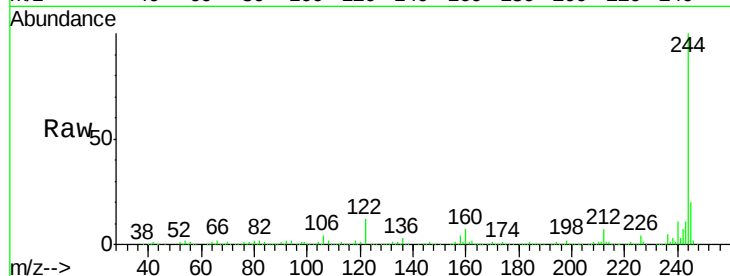
Tgt Ion:244 Resp: 921265

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

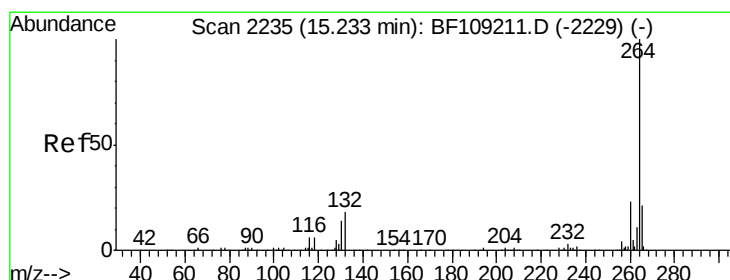
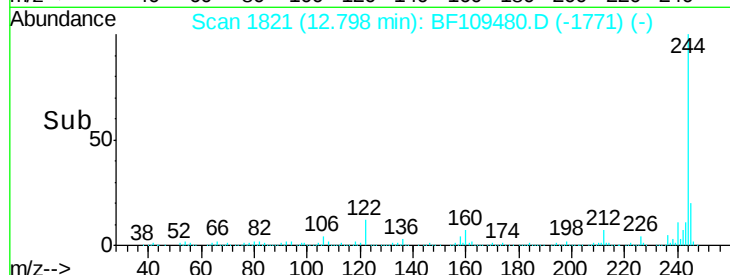
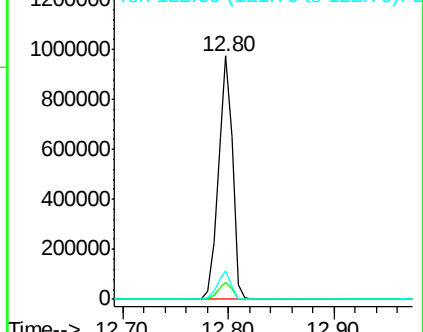
122 11.8 11.0 16.4



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: BF109480.D

Acq: 1 Oct 2018 18:39

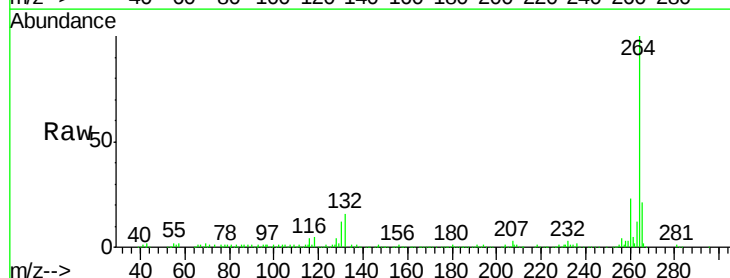
Tgt Ion:264 Resp: 192813

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.0 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

