

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109402.D
 Acq On : 27 Sep 2018 21:54
 Operator : JU/SJ
 Sample : J5093-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL

Quant Time: Sep 28 05:15:35 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

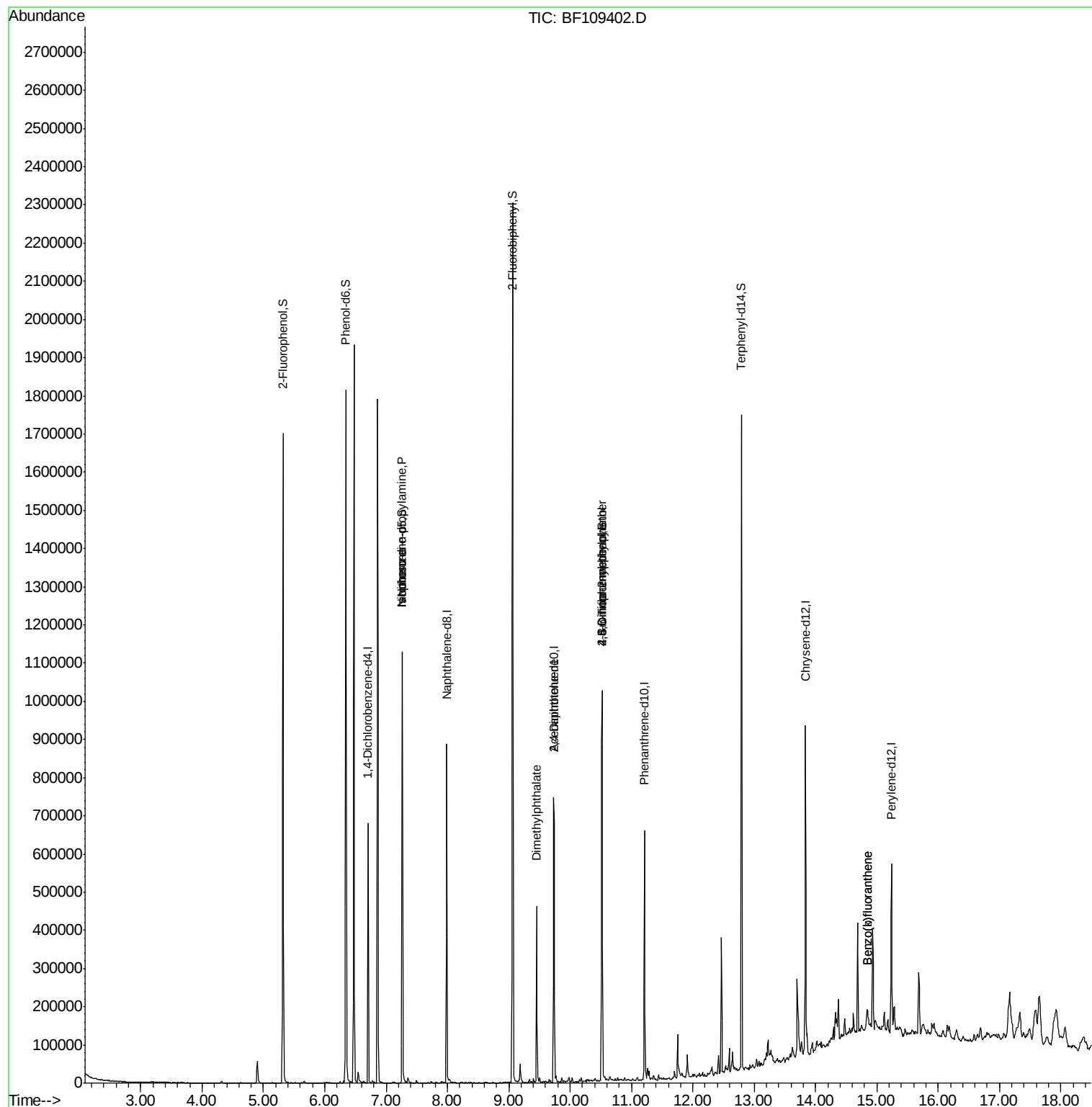
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101291	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	362275	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	146199	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	256579	20.00	ng	0.00
75) Chrysene-d12	13.84	240	264828	20.00	ng	0.00
86) Perylene-d12	15.24	264	188623	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	502075	81.64	ng	0.00
7) Phenol-d6	6.35	99	627308	79.94	ng	-0.01
23) Nitrobenzene-d5	7.26	82	385381	62.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	123447	85.65	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	651317	67.19	ng	-0.01
78) Terphenyl-d14	12.80	244	580639	53.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	52060	10.124	ng	# 79
25) Isophorone	7.26	82	369758	33.459	ng	# 64
49) Dimethylphthalate	9.46	163	179397	16.871	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	18559	6.965	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.52	198	108	6.611	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7386	2.592	ng	# 1
87) Benzo(b)fluoranthene	14.84	252	35583	3.433	ng	# 93
88) Benzo(k)fluoranthene	14.84	252	35583	3.618	ng	# 95

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

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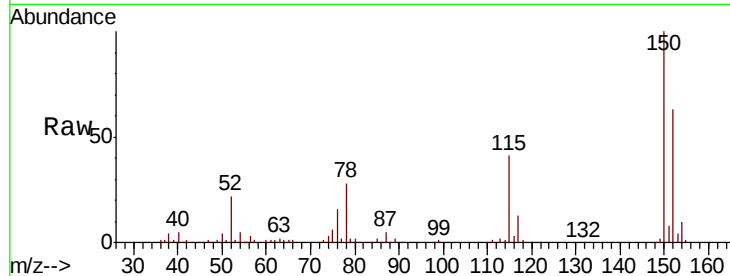


#1

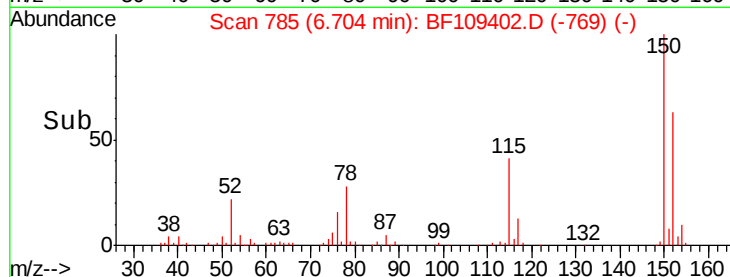
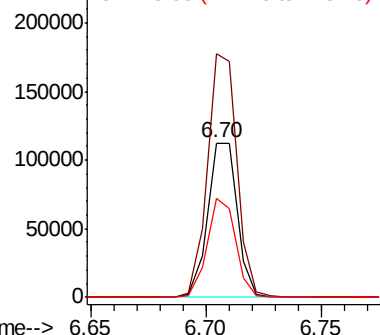
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL

Tgt Ion:152 Resp: 101291
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 64.0 50.1 75.1



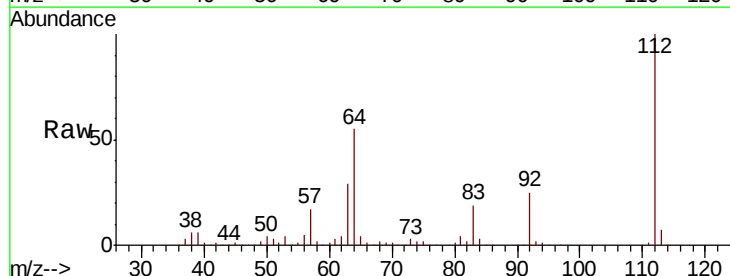
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



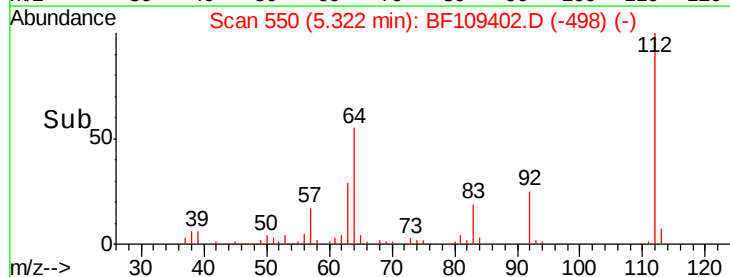
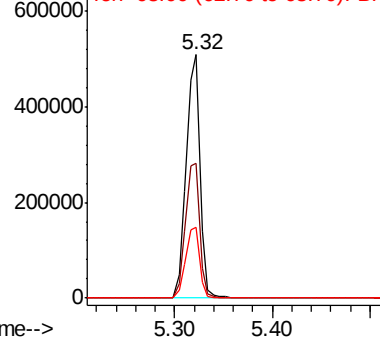
#5

2-Fluorophenol
Concen: 81.642 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Tgt Ion:112 Resp: 502075
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 29.3 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: 79.939 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109402.D

Acq: 27 Sep 2018 21:54

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL

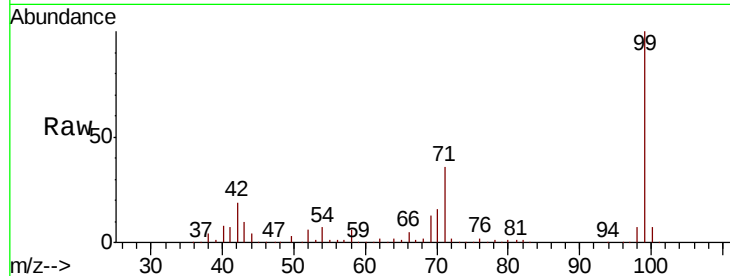
Tgt Ion: 99 Resp: 627308

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

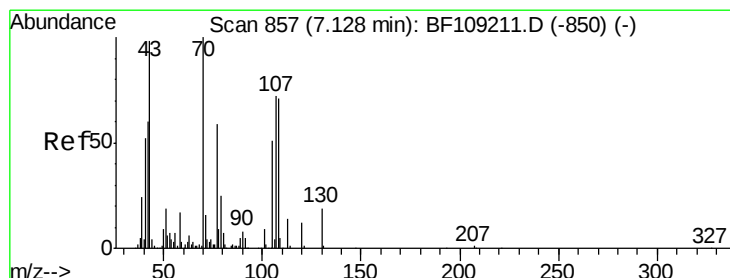
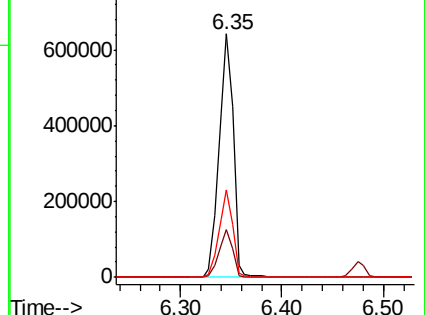
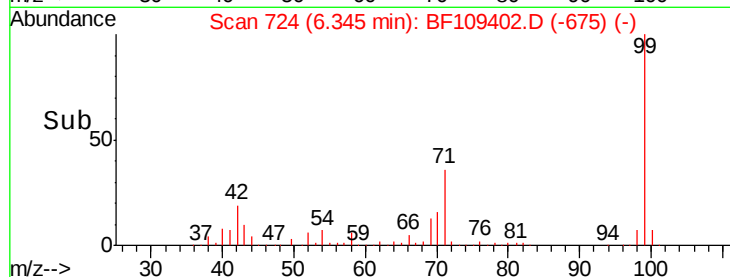
71 35.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.124 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109402.D

Acq: 27 Sep 2018 21:54

Tgt Ion: 70 Resp: 52060

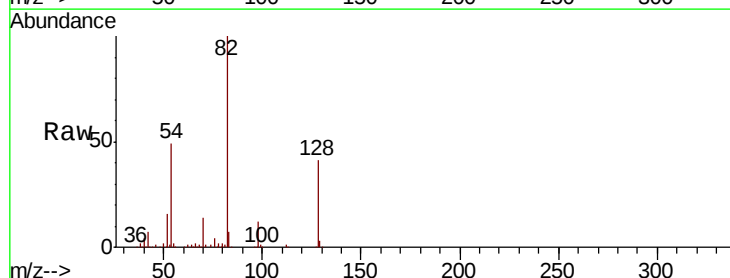
Ion Ratio Lower Upper

70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

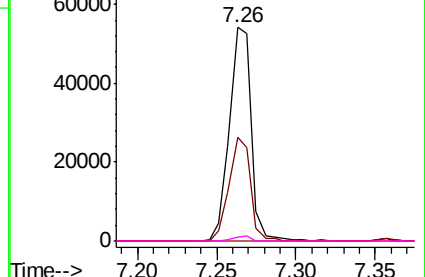
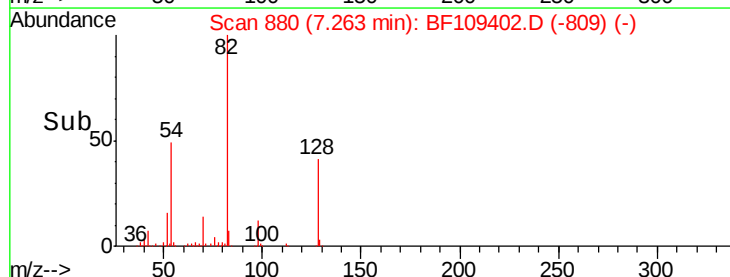


Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109402.D

Acq: 27 Sep 2018 21:54

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL

Tgt Ion:136 Resp: 362275

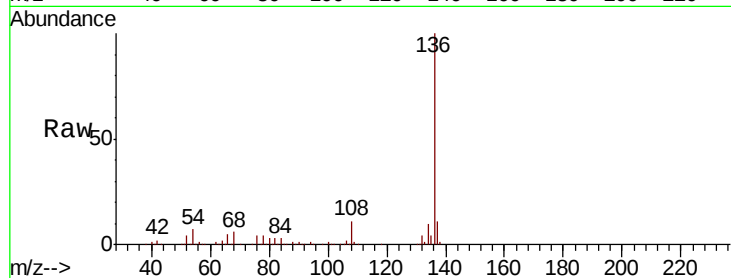
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 6.0 5.0 7.4

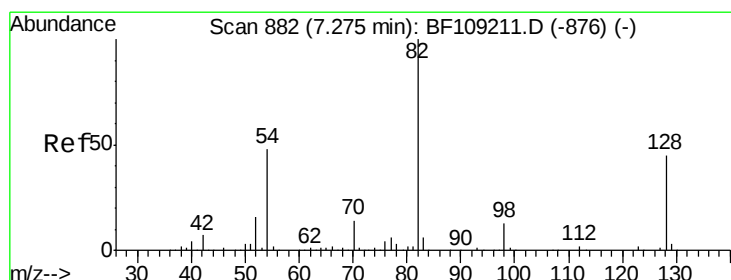
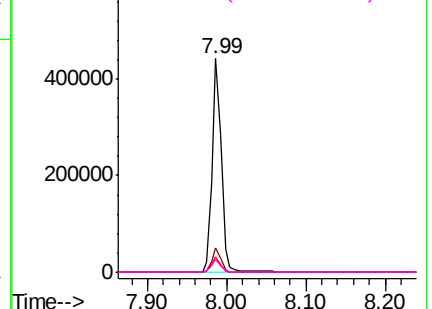
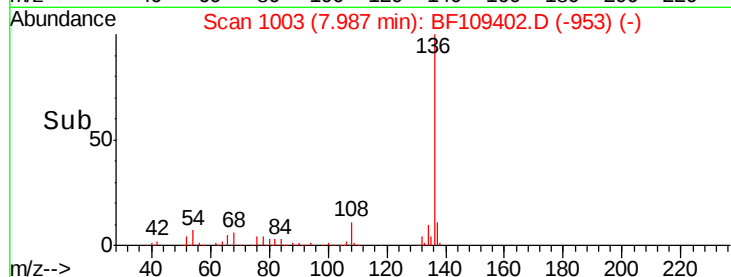


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.797 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109402.D

Acq: 27 Sep 2018 21:54

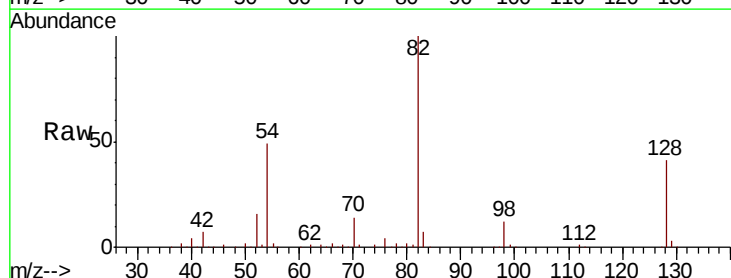
Tgt Ion: 82 Resp: 385381

Ion Ratio Lower Upper

82 100

128 41.3 36.1 54.1

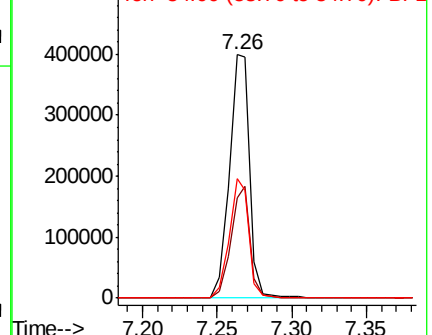
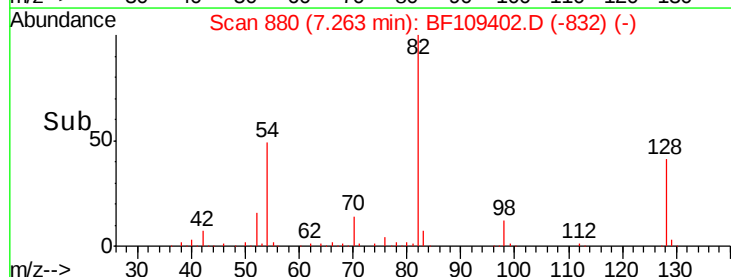
54 48.9 41.4 62.2

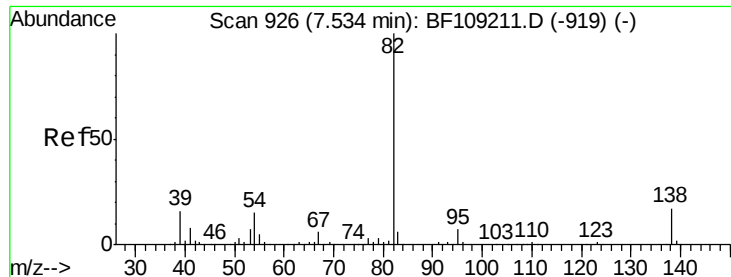


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

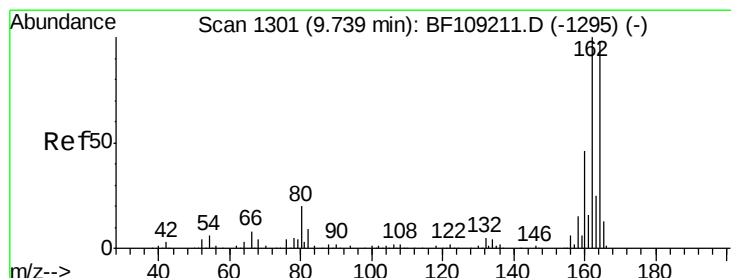
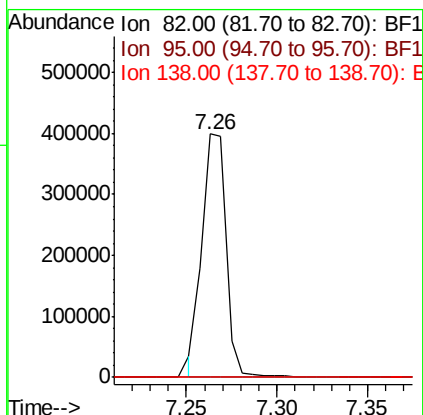
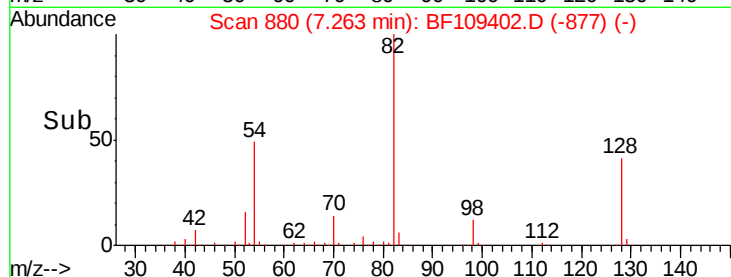
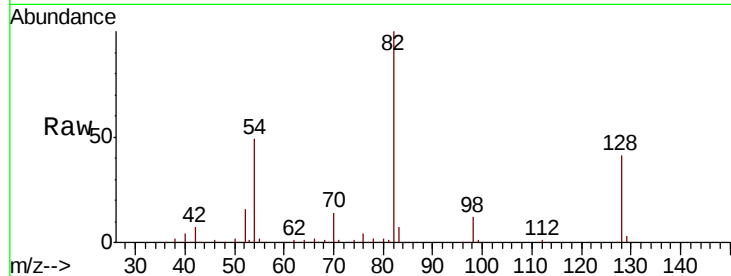




#25
Isophorone
Concen: 33.459 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

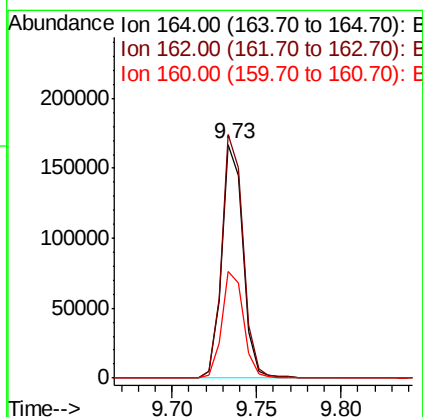
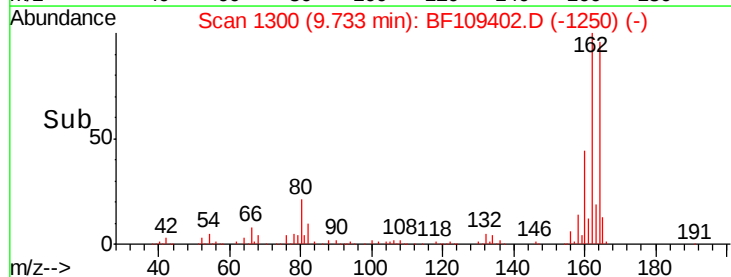
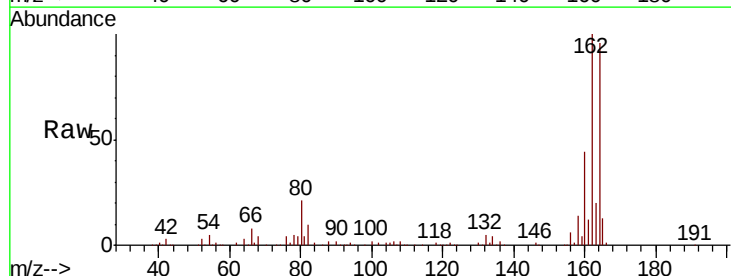
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL

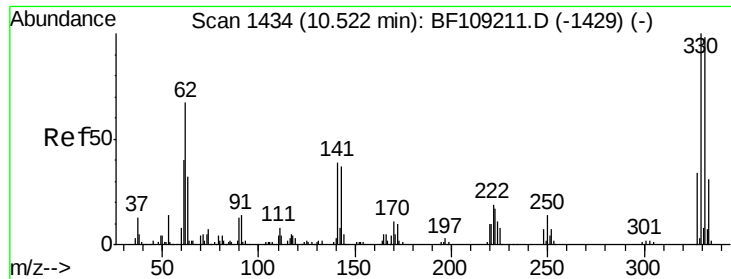
Tgt Ion: 82 Resp: 369758
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Tgt Ion: 164 Resp: 146199
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 45.4 38.3 57.5

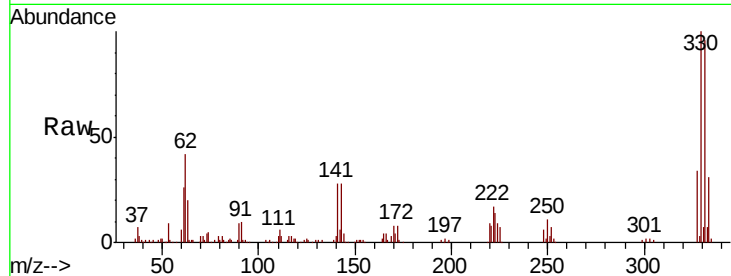




#41
 2,4,6-Tribromophenol
 Concen: 85.655 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	33.3	29.9	44.9

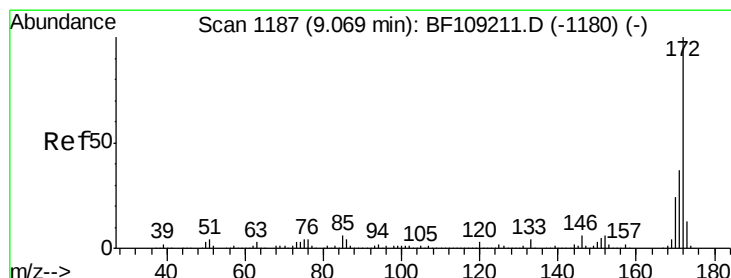
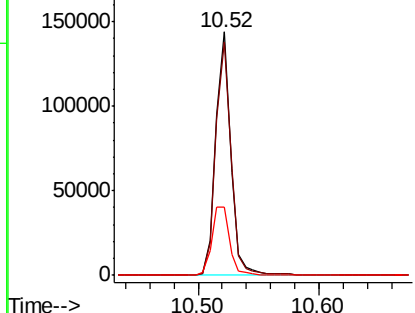
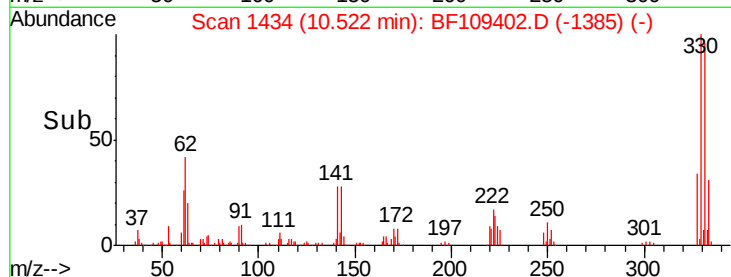


Abundance

Ion 329.80 (329.50 to 330.50): E

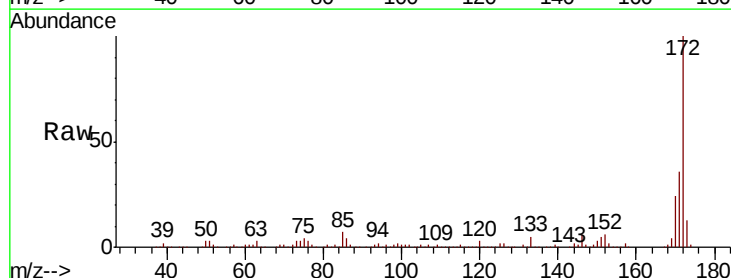
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 67.190 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.8	19.6	29.4

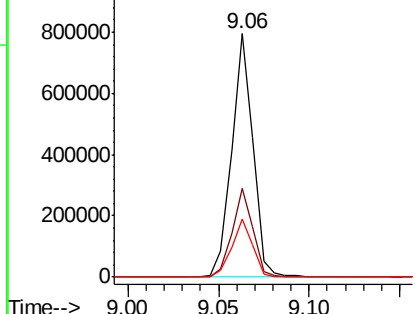
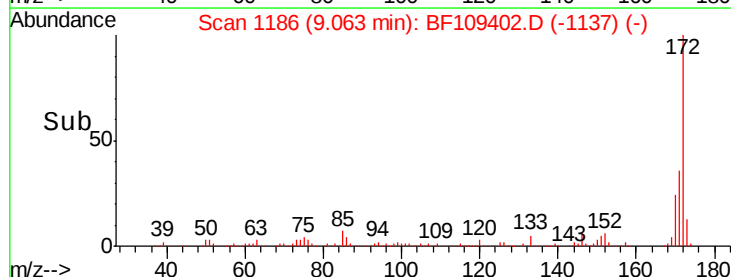


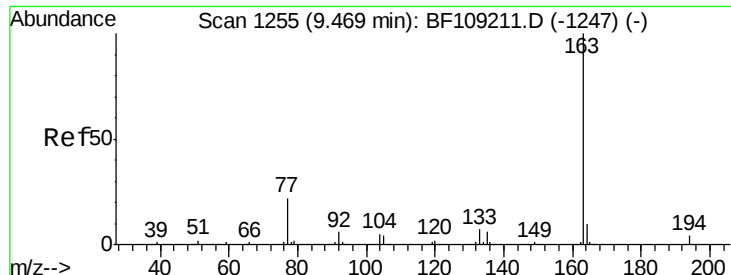
Abundance

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

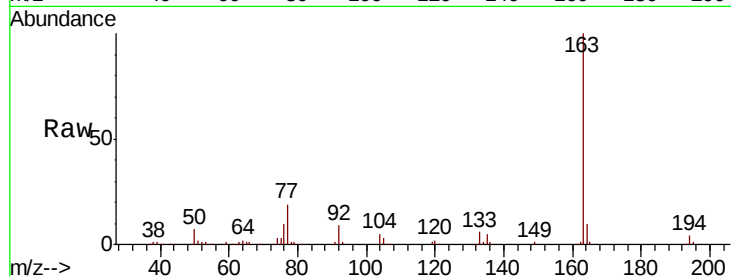




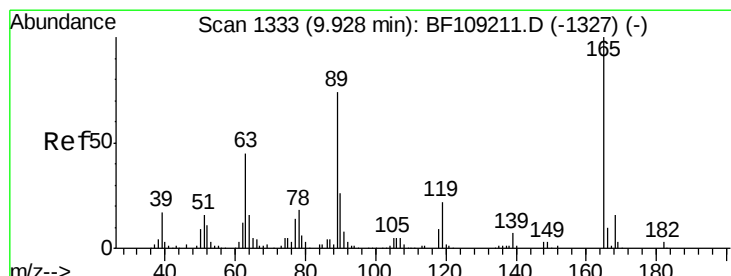
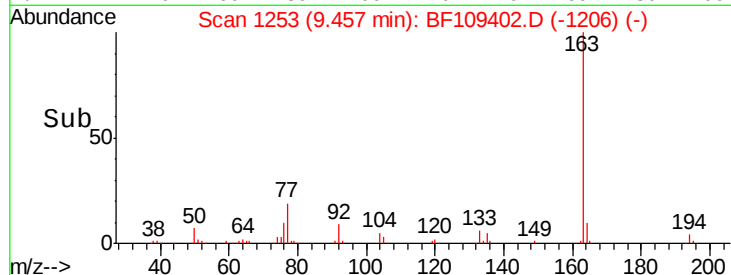
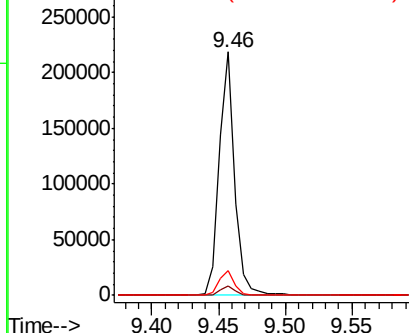
#49
Dimethylphthalate
Concen: 16.871 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Instrument :
BNA_F
ClientSampled :
TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2

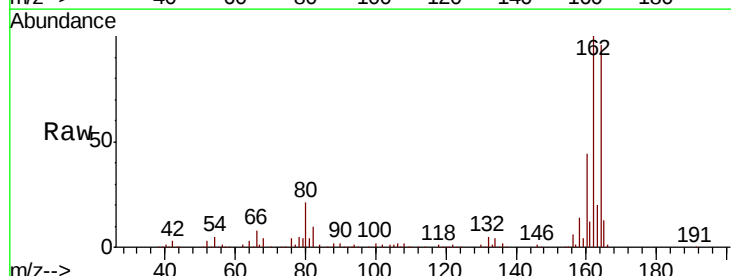


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

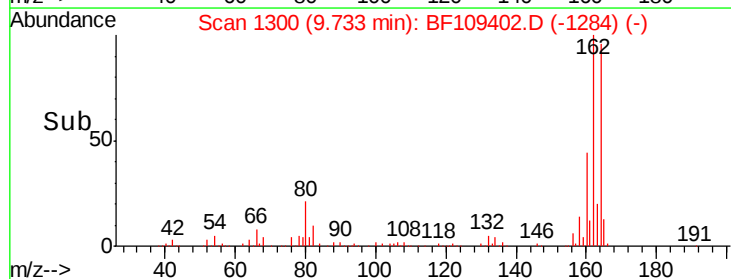
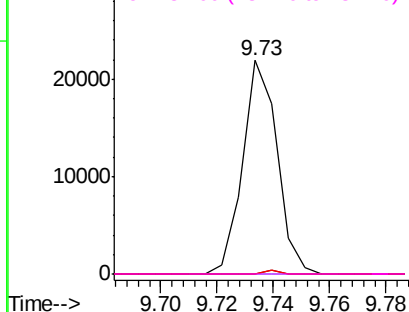


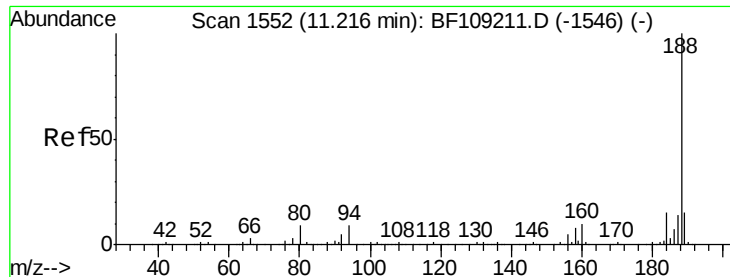
#56
2,4-Dinitrotoluene
Concen: 6.965 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	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

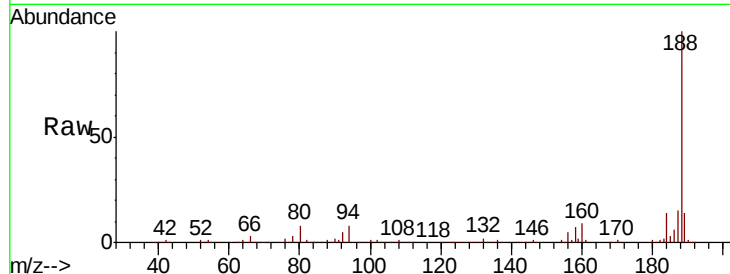




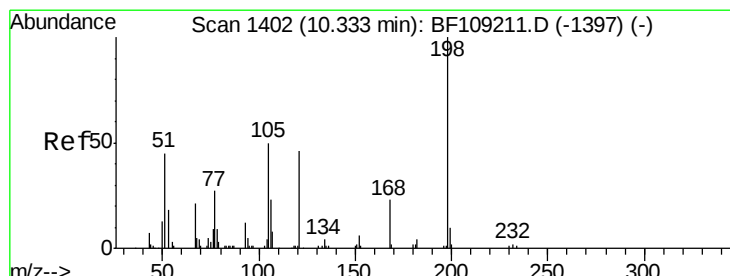
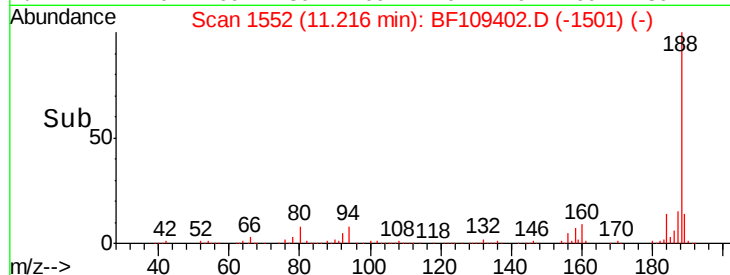
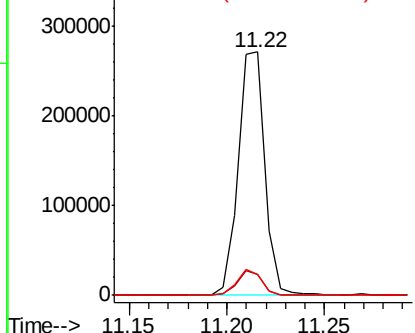
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL

Tgt Ion:188 Resp: 256579
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 8.3 9.2 13.8#

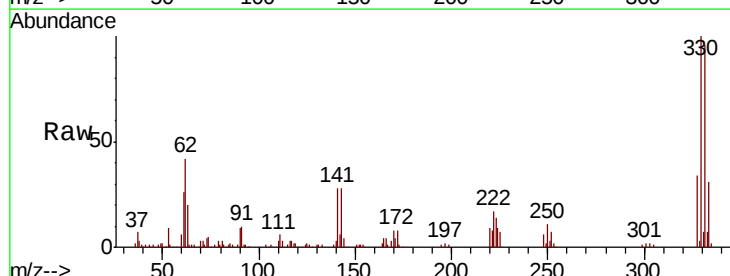


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

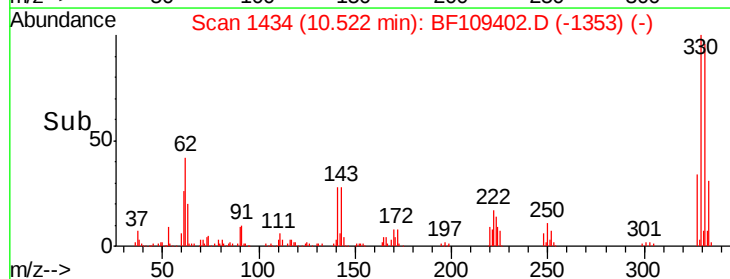
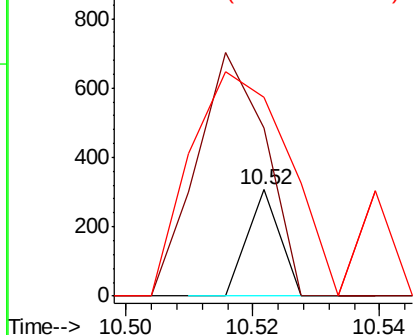


#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.611 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 158.2 37.7 77.7#
 105 186.9 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

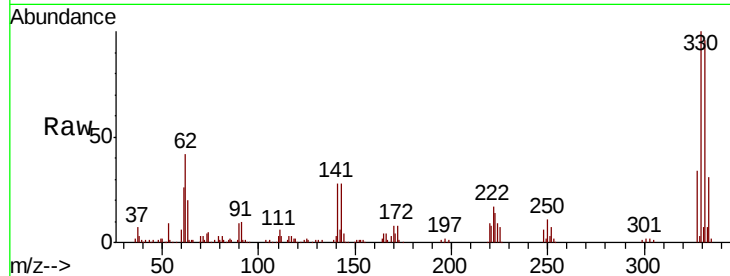




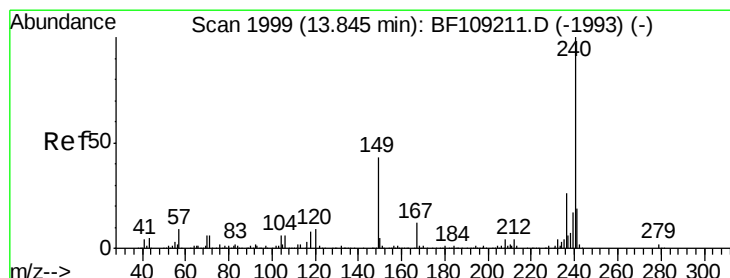
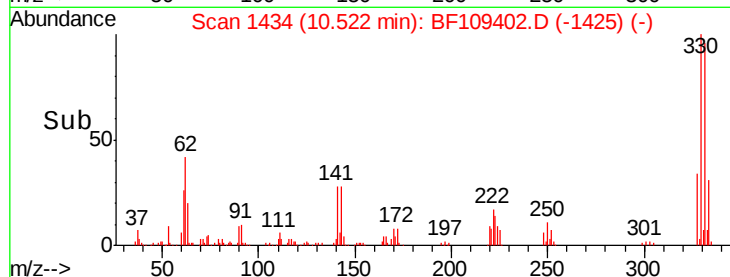
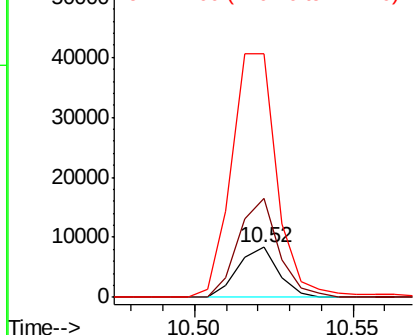
#66
4-Bromophenyl-phenylether
Concen: 2.592 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Instrument :
BNA_F
ClientSampled :
TOP-SOIL

Tgt Ion:248 Resp: 7386
Ion Ratio Lower Upper
248 100
250 197.1 76.9 115.3#
141 486.8 74.4 111.6#

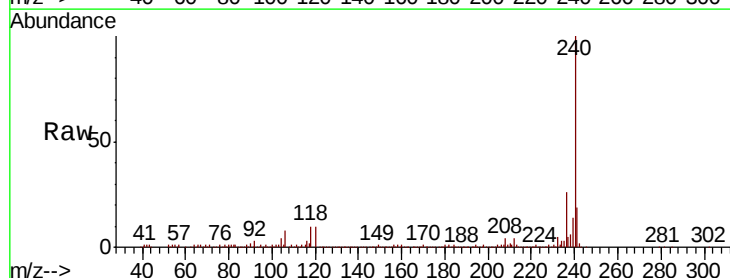


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

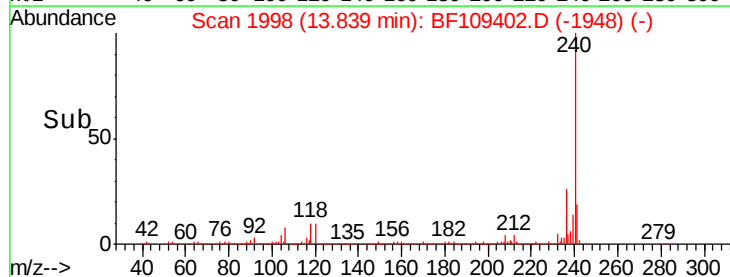
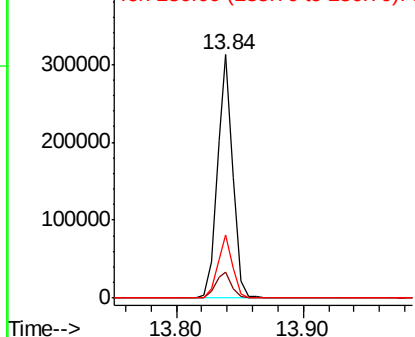


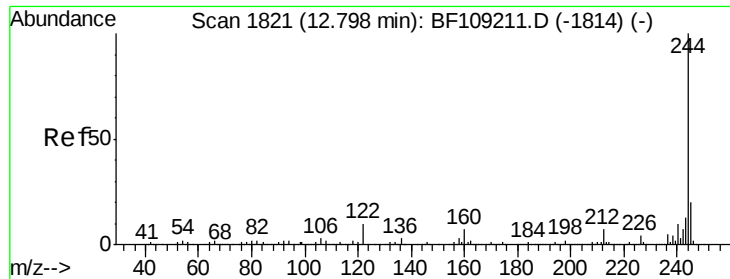
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109402.D
Acq: 27 Sep 2018 21:54

Tgt Ion:240 Resp: 264828
Ion Ratio Lower Upper
240 100
120 10.4 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

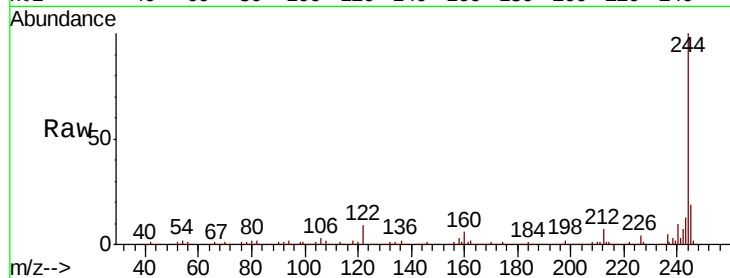




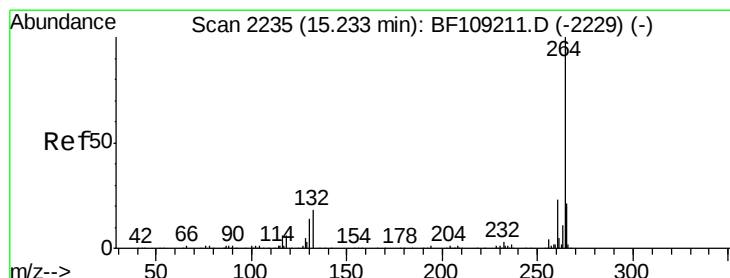
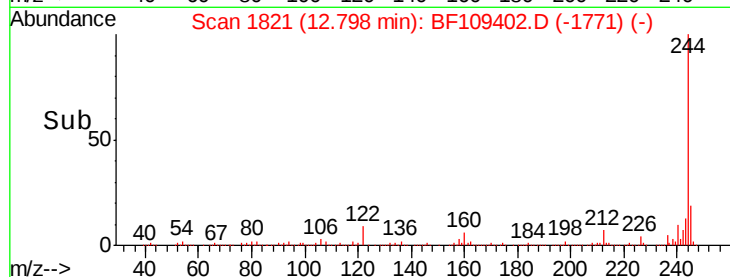
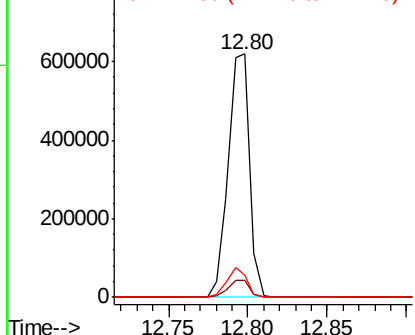
#78
 Terphenyl-d14
 Concen: 53.808 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL

Tgt Ion:244 Resp: 580639
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.3 11.0 16.4#

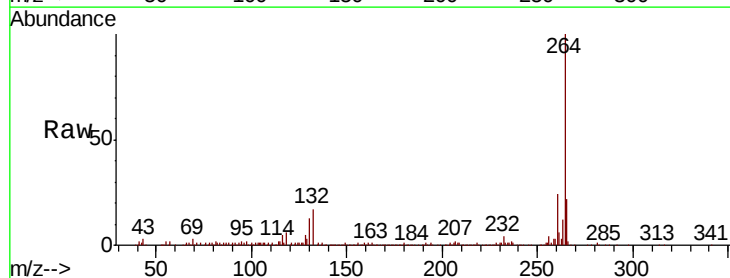


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

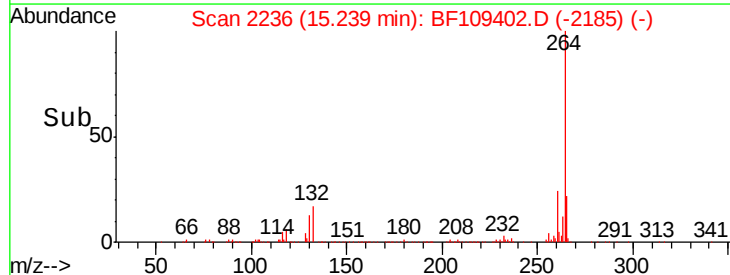
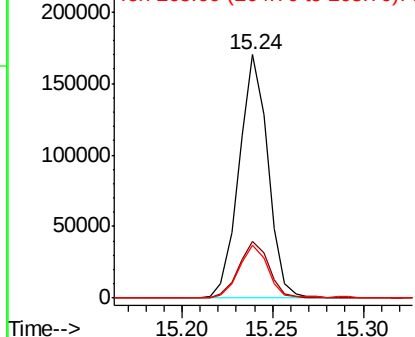


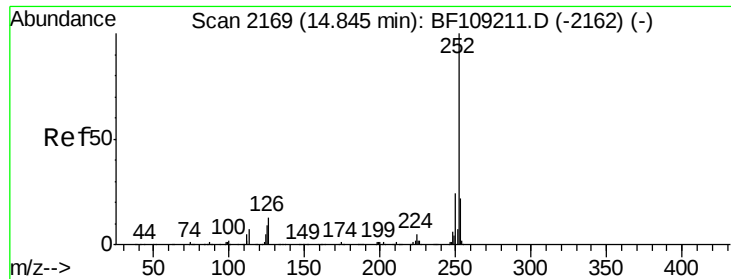
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Tgt Ion:264 Resp: 188623
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.9 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

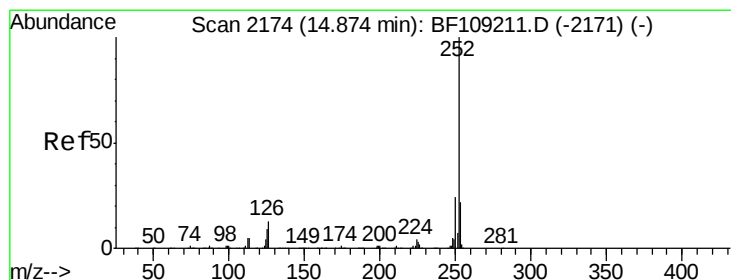
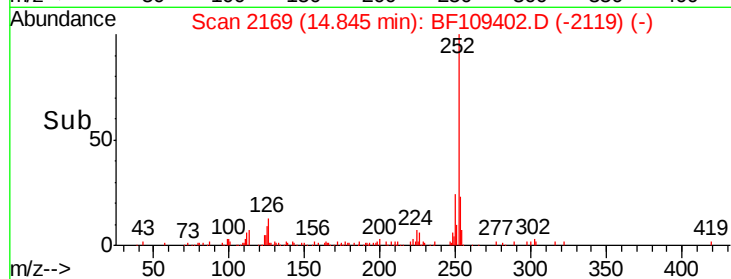
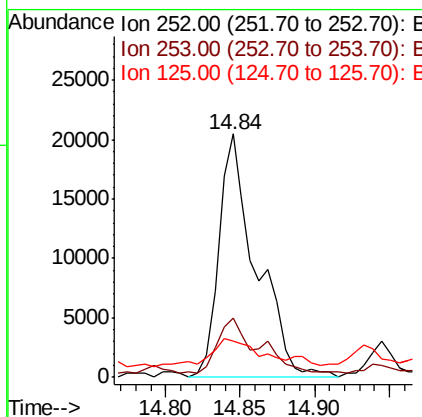
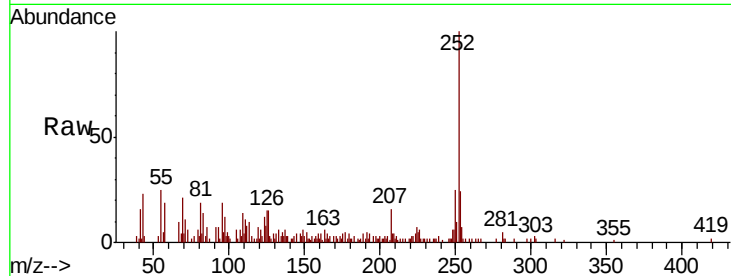




#87
 Benzo(b)fluoranthene
 Concen: 3.433 ng
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL

Tgt Ion:	252	Resp:	35583
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	14.8	9.0	13.6#



#88
 Benzo(k)fluoranthene
 Concen: 3.618 ng
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.04 min
 Lab File: BF109402.D
 Acq: 27 Sep 2018 21:54

Tgt Ion:	252	Resp:	35583
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	14.8	10.2	15.2

