

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109407.D
 Acq On : 28 Sep 2018 1:45
 Operator : JU/SJ
 Sample : J5084-21
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-13(1-1.5)

Quant Time: Sep 28 05:16:36 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	123424	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	471038	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	221688	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	376829	20.00	ng	0.00
75) Chrysene-d12	13.84	240	267896	20.00	ng	0.00
86) Perylene-d12	15.24	264	232977	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	631521	84.28	ng	0.00
7) Phenol-d6	6.35	99	816844	85.43	ng	0.00
23) Nitrobenzene-d5	7.27	82	536382	67.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	196744	90.03	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	952088	64.77	ng	-0.01
78) Terphenyl-d14	12.80	244	706396	64.71	ng	0.00

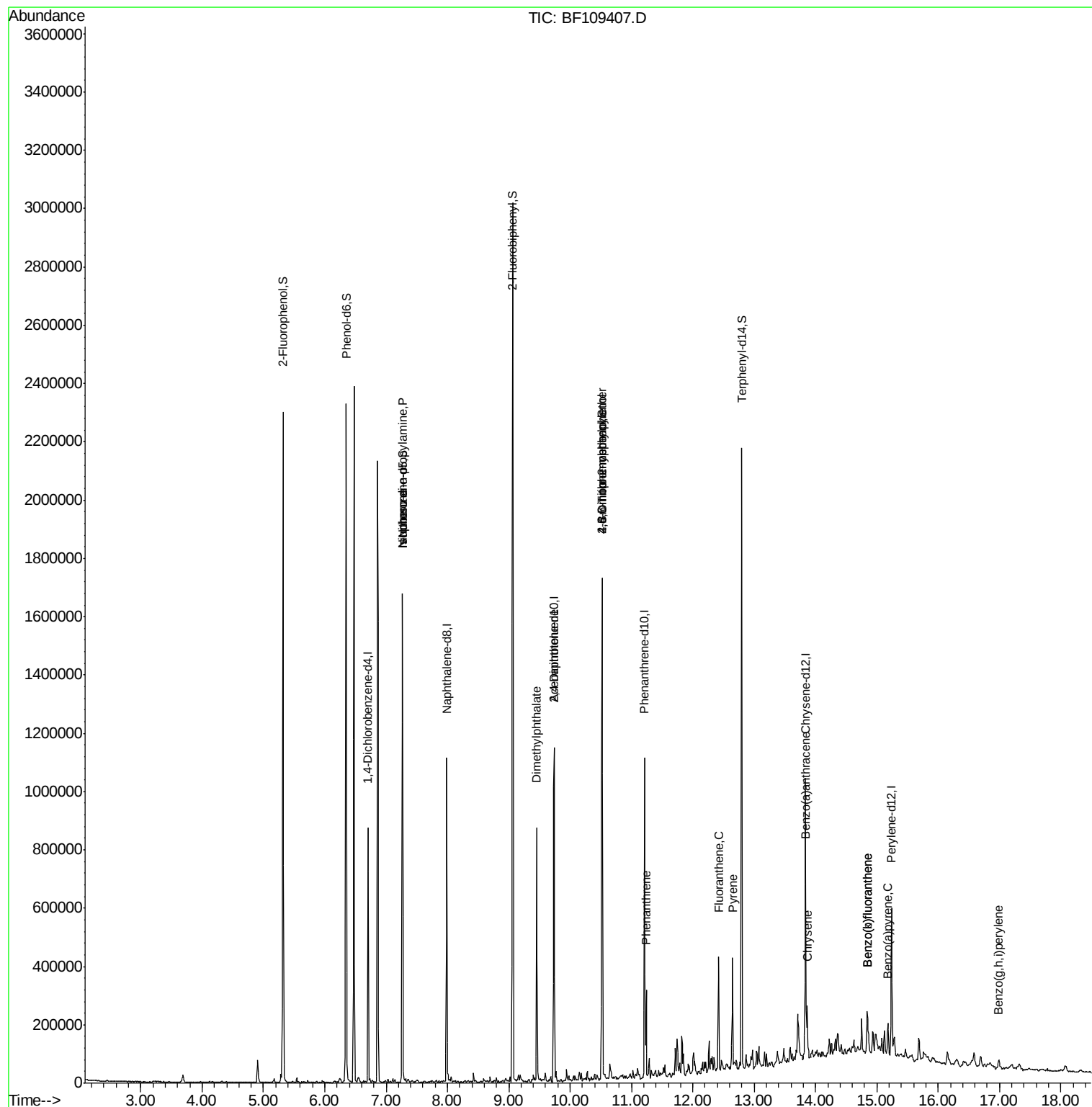
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	72843	11.626	ng	# 76
25) Isophorone	7.27	82	510540	35.531	ng	# 64
49) Dimethylphthalate	9.46	163	301666	18.709	ng	100
56) 2,4-Dinitrotoluene	9.74	165	28279	6.999	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	465	6.786	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11872	2.837	ng	# 1
70) Phenanthrene	11.24	178	117666	6.254	ng	97
74) Fluoranthene	12.42	202	147745	7.348	ng	95
77) Pyrene	12.64	202	150854	7.857	ng	98
80) Benzo(a)anthracene	13.83	228	61880	3.835	ng	96
82) Chrysene	13.86	228	70280	4.394	ng	98
87) Benzo(b)fluoranthene	14.84	252	87749	6.854	ng	94
88) Benzo(k)fluoranthene	14.84	252	87749	7.223	ng	97
89) Benzo(a)pyrene	15.18	252	46476	4.029	ng	99
91) Benzo(g,h,i)perylene	16.99	276	24885	2.676	ng	91

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

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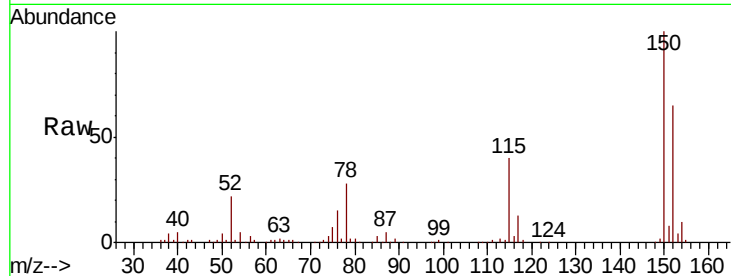


#1

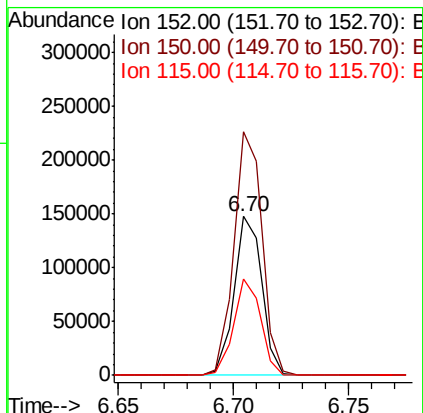
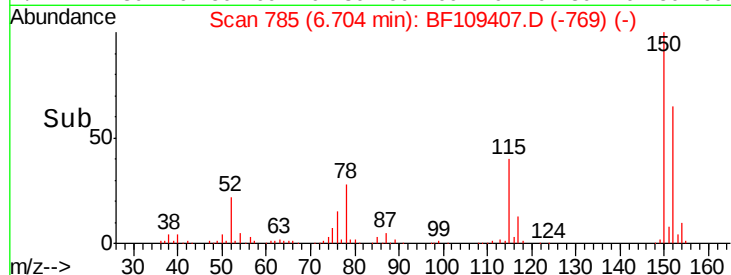
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Instrument :
BNA_F
ClientSampleId :
B-13(1-1.5)

Tgt Ion:152 Resp: 123424
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 61.0 50.1 75.1



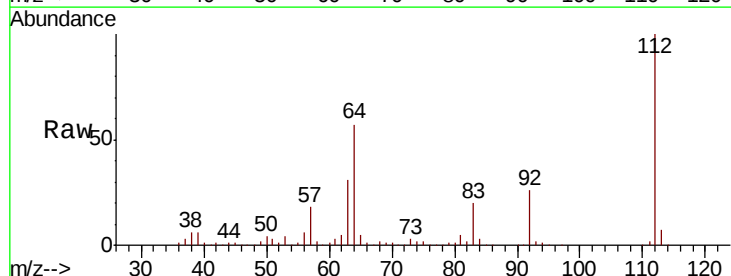
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



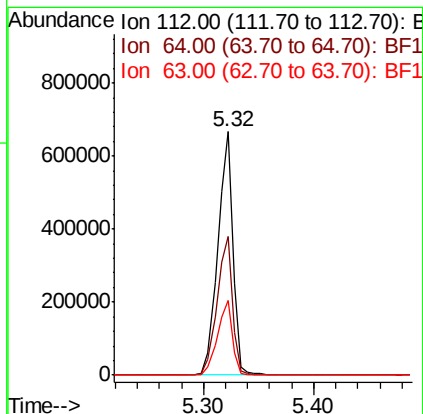
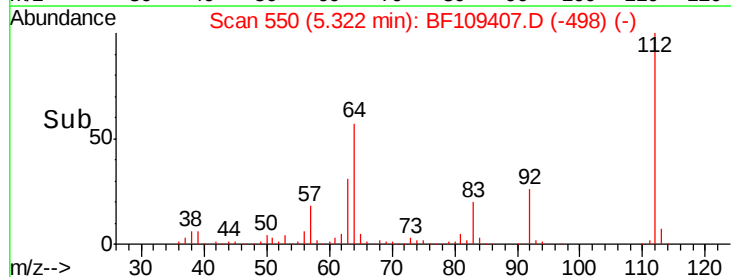
#5

2-Fluorophenol
Concen: 84.276 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Tgt Ion:112 Resp: 631521
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 30.8 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: 85.426 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampled :

B-13(1-1.5)

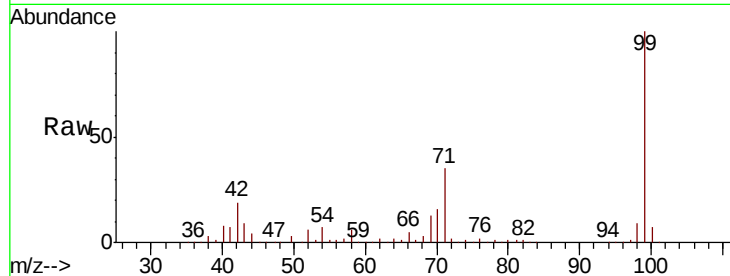
Tgt Ion: 99 Resp: 816844

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

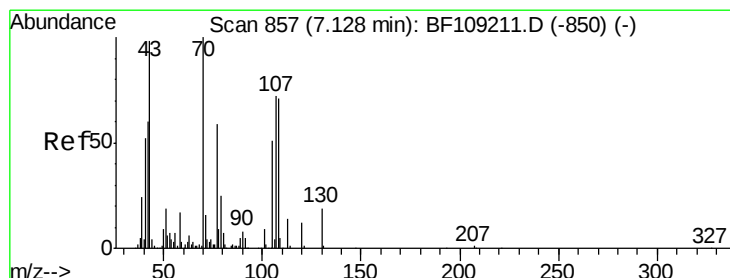
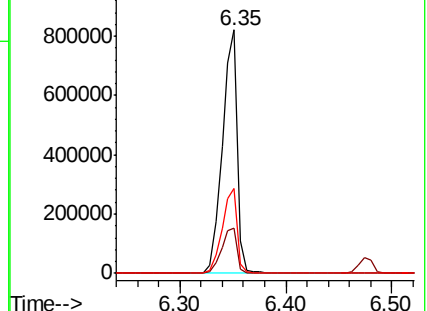
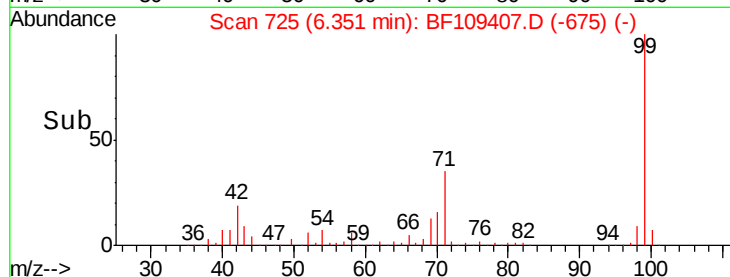
71 35.0 25.4 38.0



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: 11.626 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Tgt Ion: 70 Resp: 72843

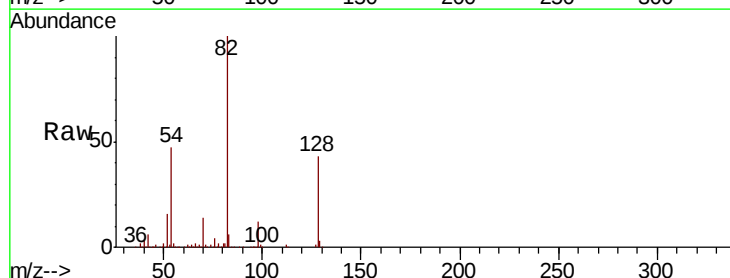
Ion Ratio Lower Upper

70 100

42 45.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

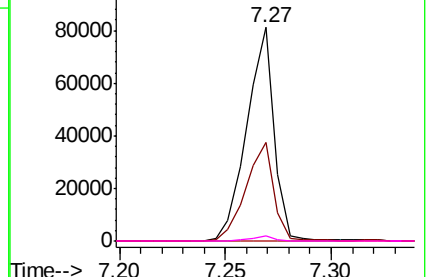
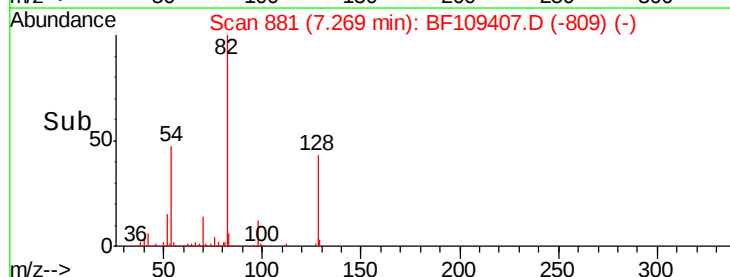


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampleId :

B-13(1-1.5)

Tgt Ion: 136 Resp: 471038

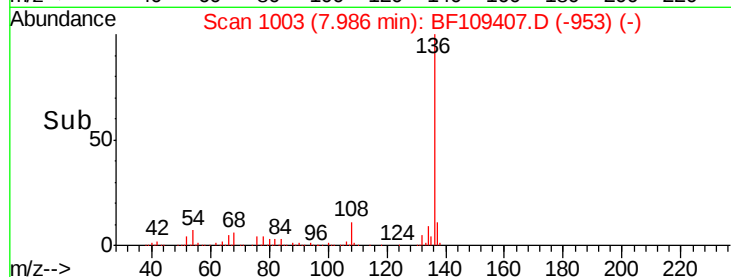
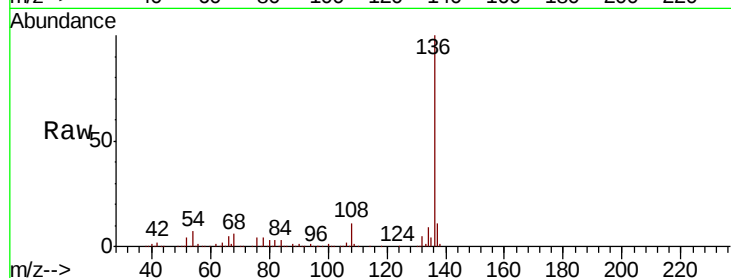
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

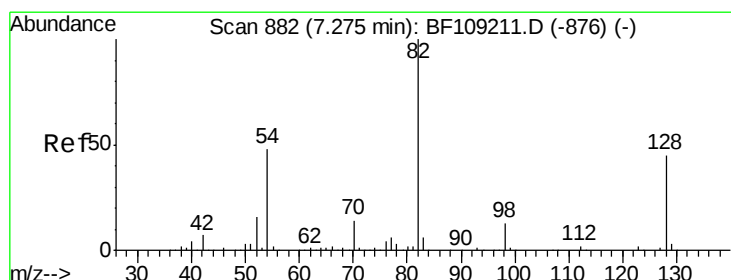
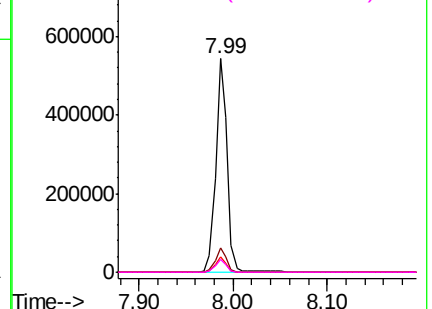


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.221 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

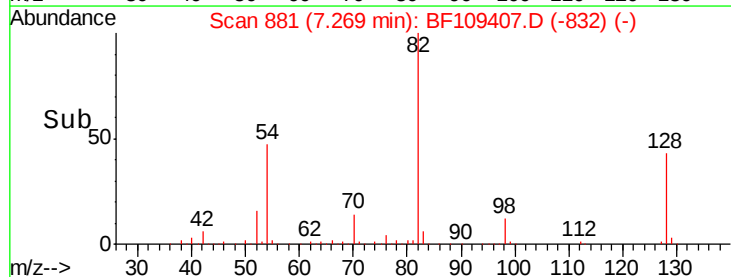
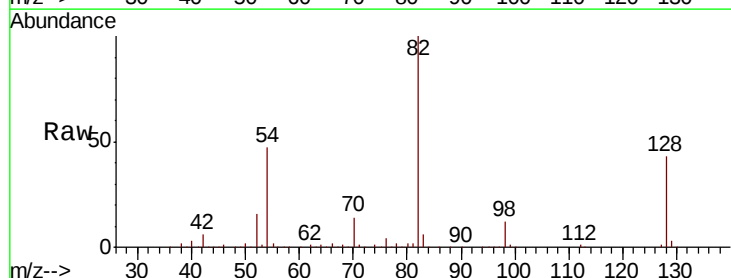
Tgt Ion: 82 Resp: 536382

Ion Ratio Lower Upper

82 100

128 43.4 36.1 54.1

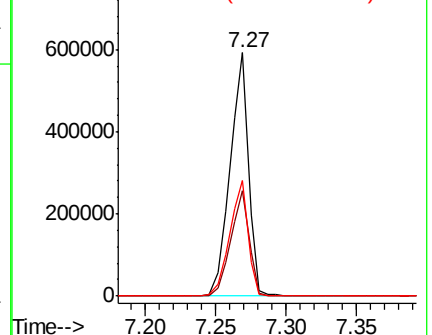
54 47.3 41.4 62.2

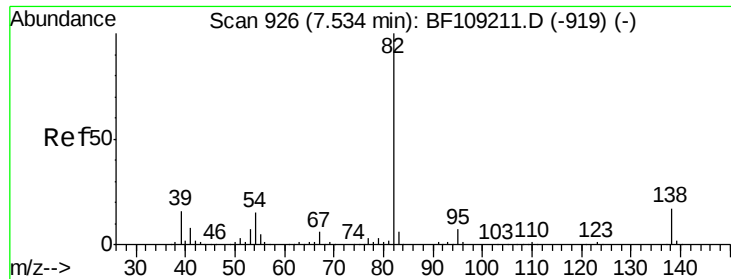


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.531 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

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ClientSampleId :

B-13(1-1.5)

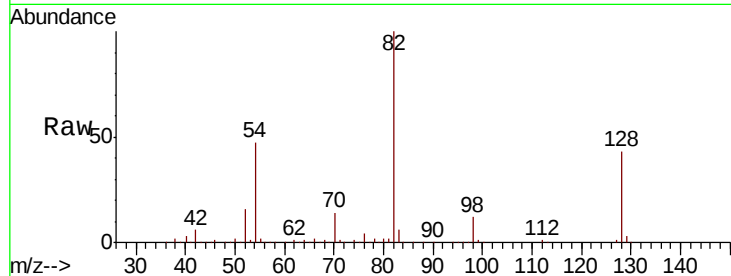
Tgt Ion: 82 Resp: 510540

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

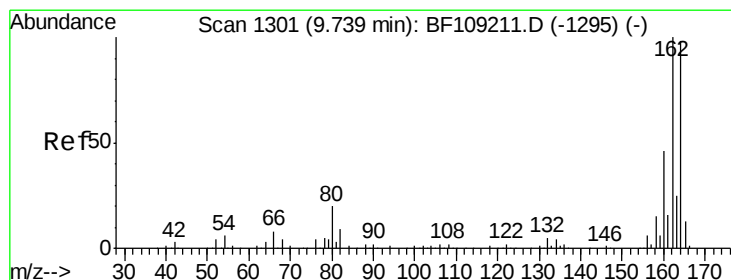
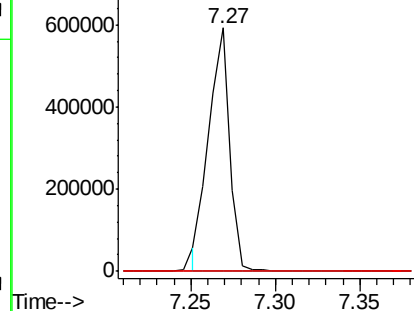
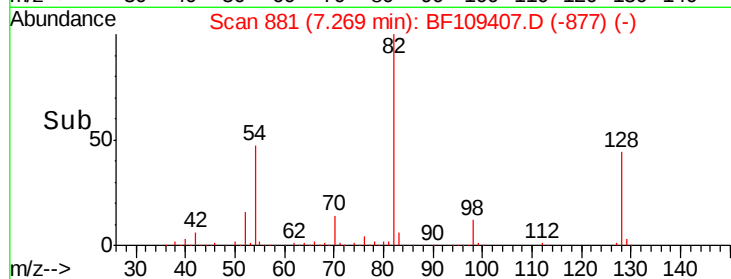
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

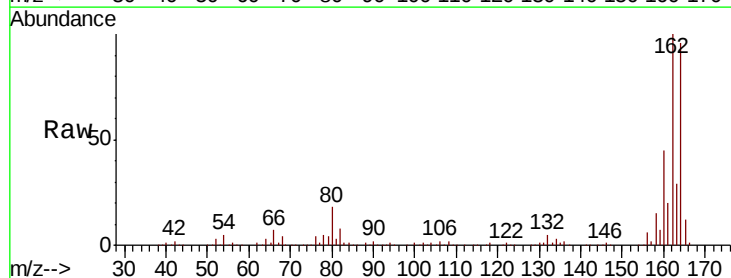
Tgt Ion: 164 Resp: 221688

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

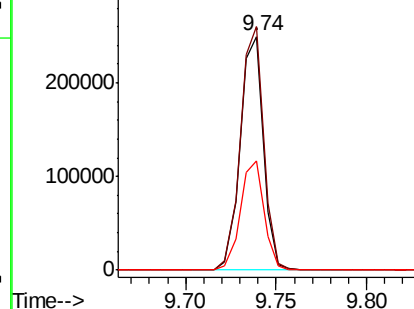
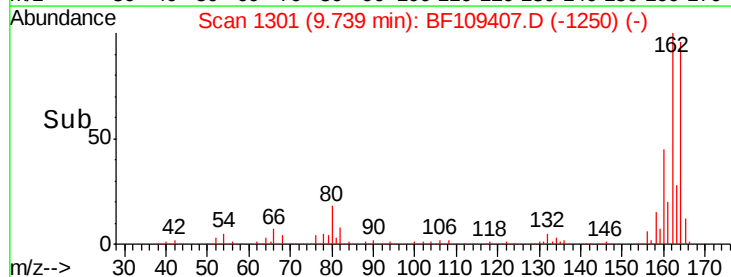
160 46.9 38.3 57.5

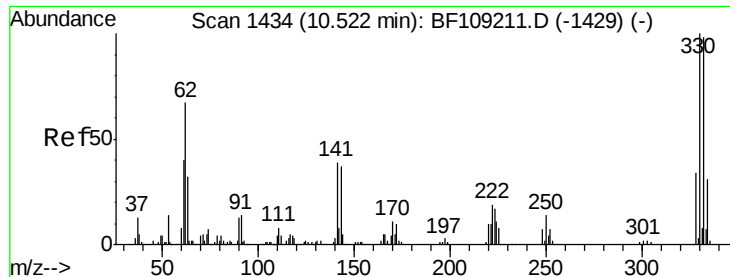


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

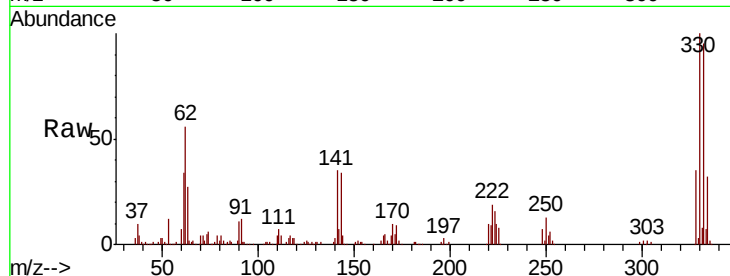




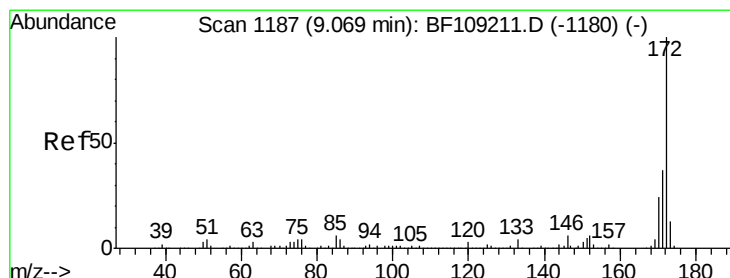
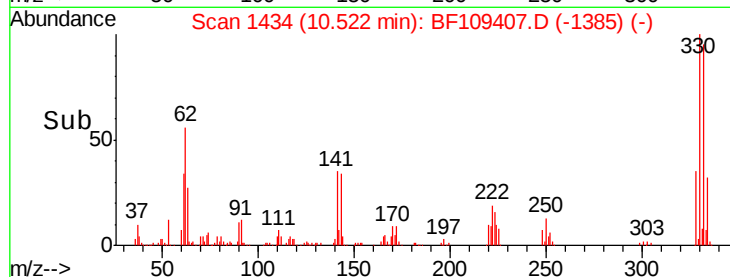
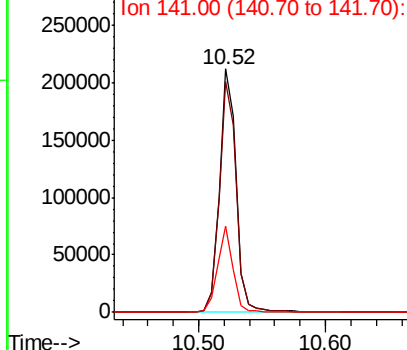
#41
 2,4,6-Tribromophenol
 Concen: 90.027 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

Instrument :
 BNA_F
 ClientSampled :
 B-13(1-1.5)

Tgt Ion:330 Resp: 196744
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.8 29.9 44.9

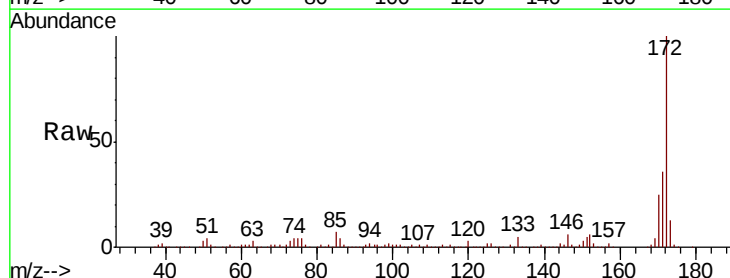


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

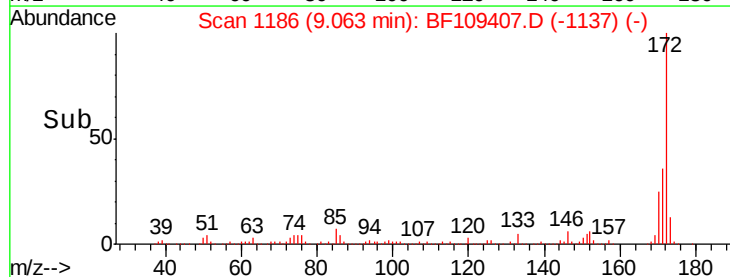
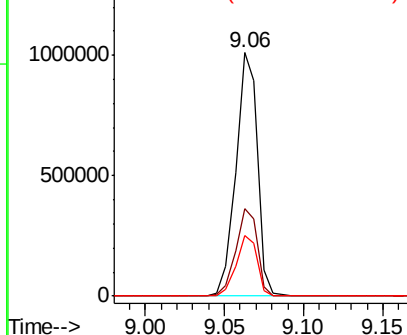


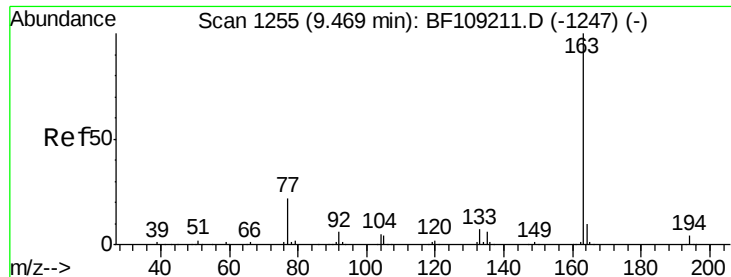
#44
 2-Fluorobiphenyl
 Concen: 64.773 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

Tgt Ion:172 Resp: 952088
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.6 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

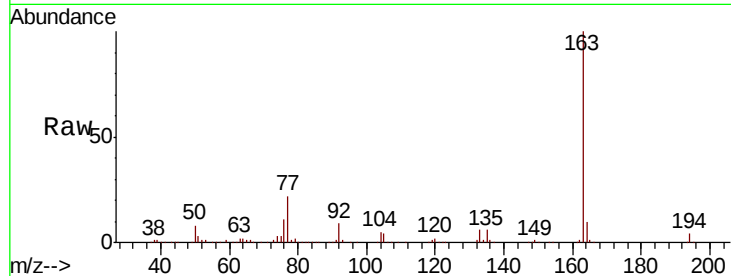




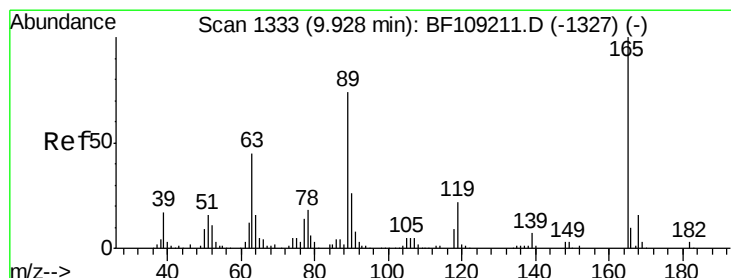
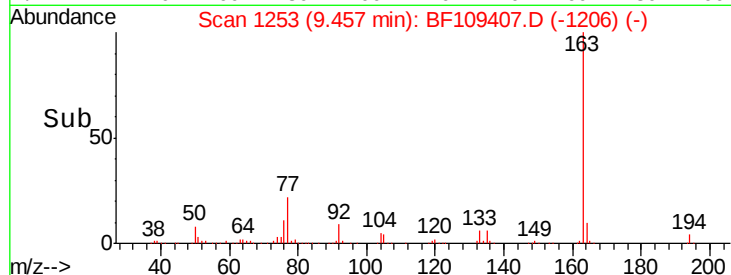
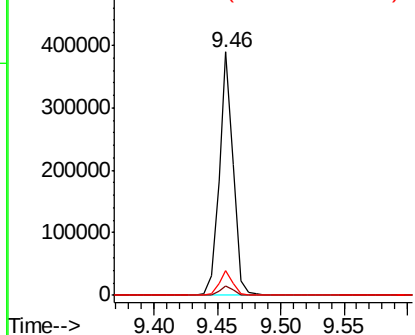
#49
Dimethylphthalate
Concen: 18.709 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Instrument :
BNA_F
ClientSampleId :
B-13(1-1.5)

Tgt Ion:163 Resp: 301666
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.1 8.2 12.2

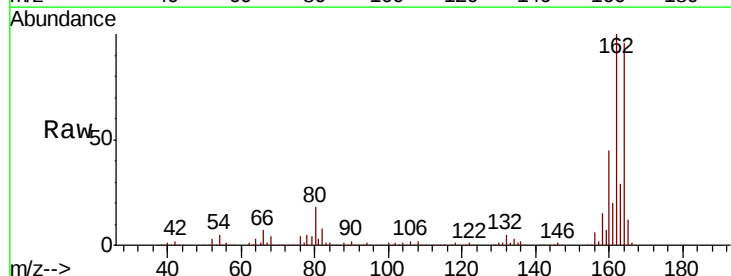


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

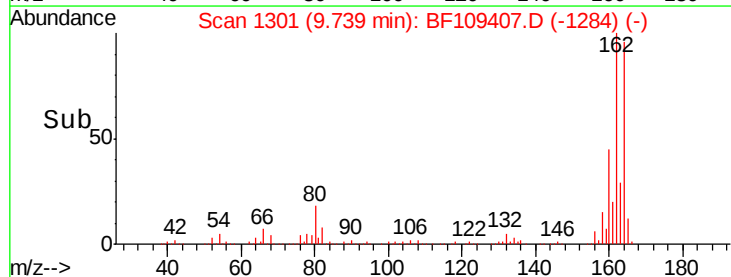
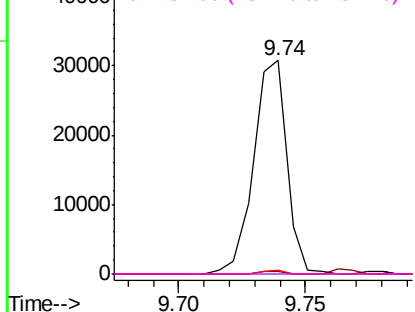


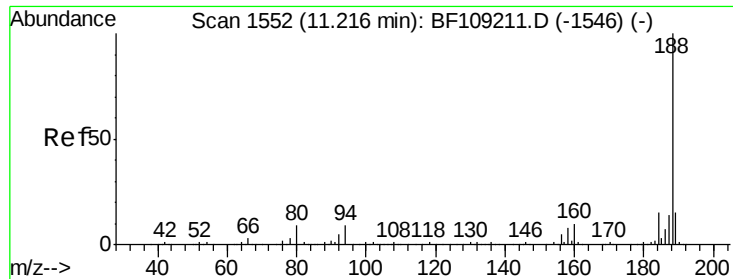
#56
2,4-Dinitrotoluene
Concen: 6.999 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Tgt Ion:165 Resp: 28279
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 2.0 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

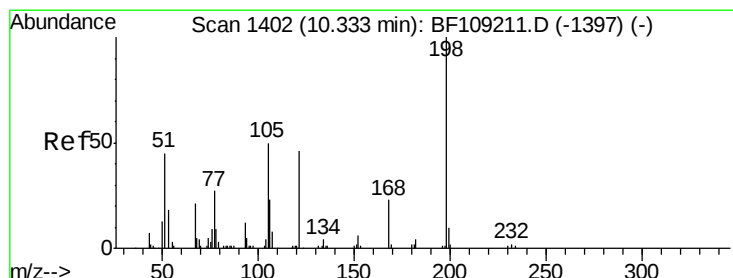
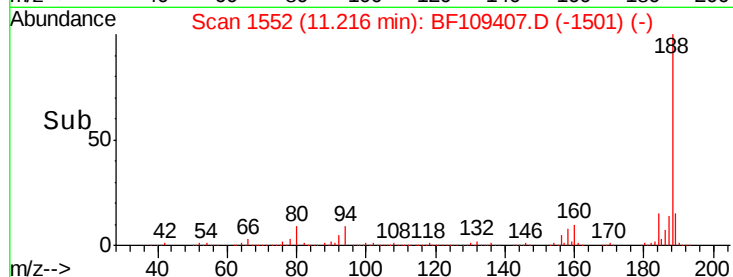
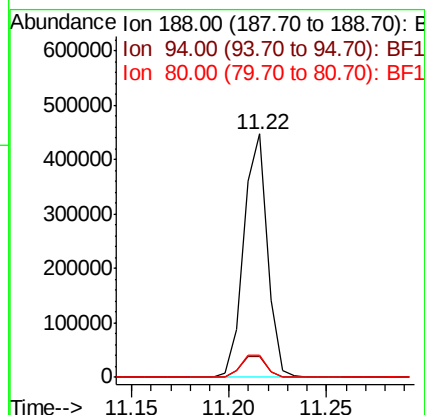
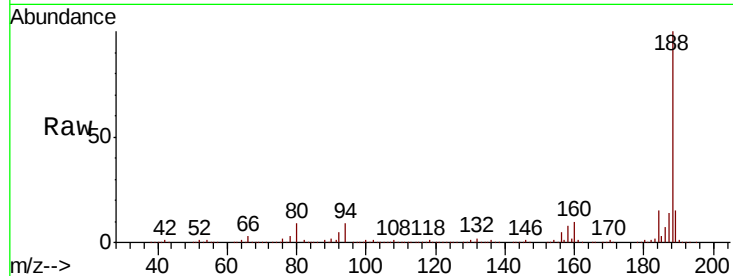




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

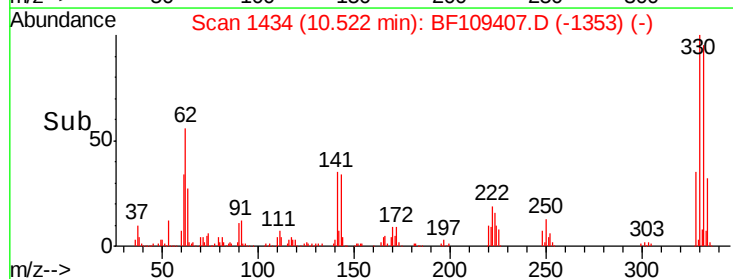
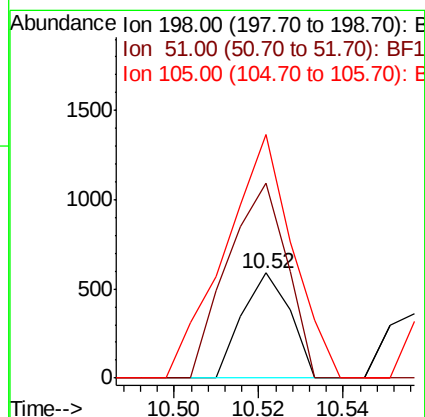
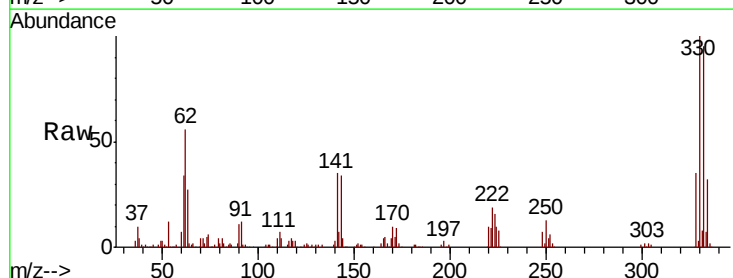
Instrument :
 BNA_F
 ClientSampleId :
 B-13(1-1.5)

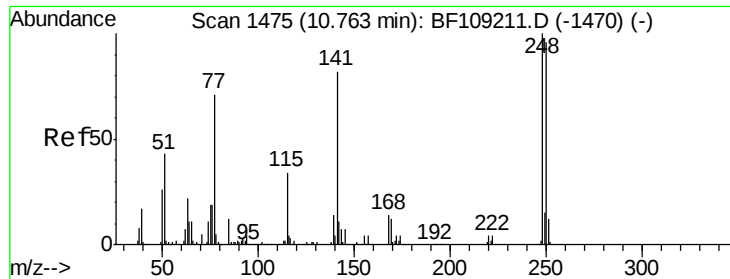
Tgt Ion:188 Resp: 376829
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.5 12.7
 80 9.0 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.786 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

Tgt Ion:198 Resp: 465
 Ion Ratio Lower Upper
 198 100
 51 186.2 37.7 77.7#
 105 232.1 36.3 76.3#

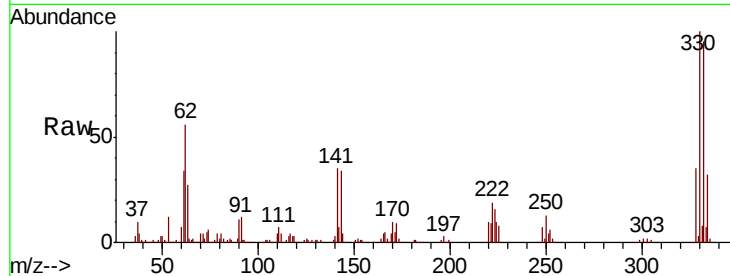




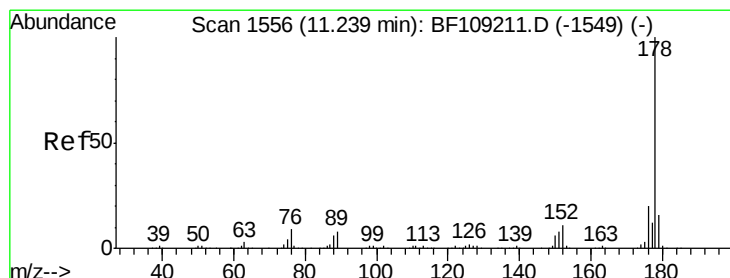
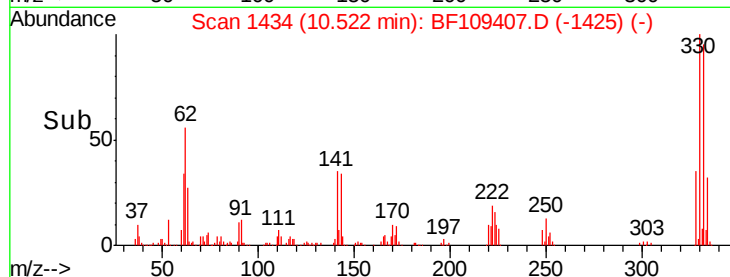
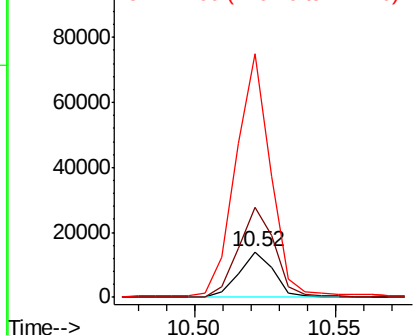
#66
 4-Bromophenyl-phenylether
 Concen: 2.837 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 B-13(1-1.5)

Tgt Ion:248 Resp: 11872
 Ion Ratio Lower Upper
 248 100
 250 197.7 76.9 115.3#
 141 537.4 74.4 111.6#

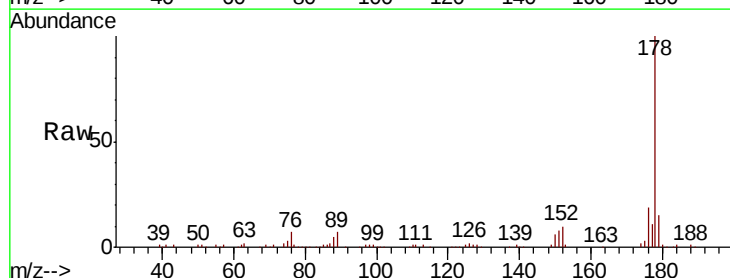


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

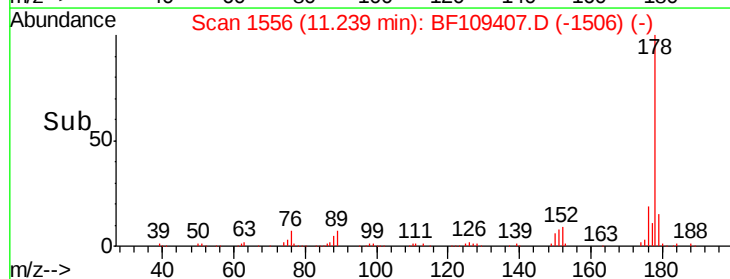
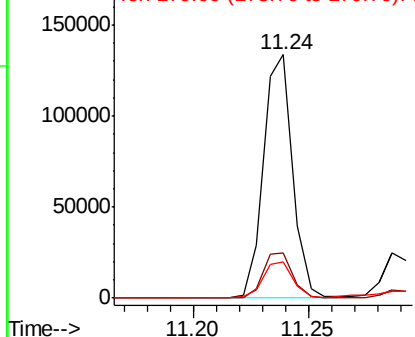


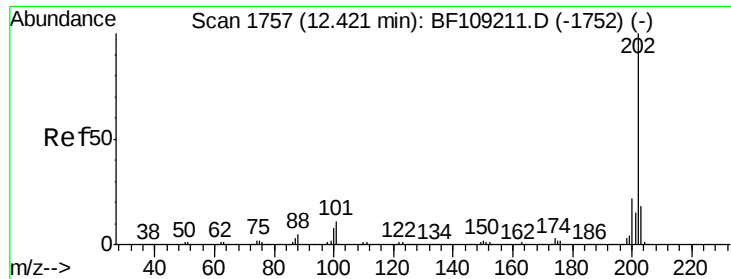
#70
 Phenanthrene
 Concen: 6.254 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109407.D
 Acq: 28 Sep 2018 1:45

Tgt Ion:178 Resp: 117666
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.348 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampleId :

B-13(1-1.5)

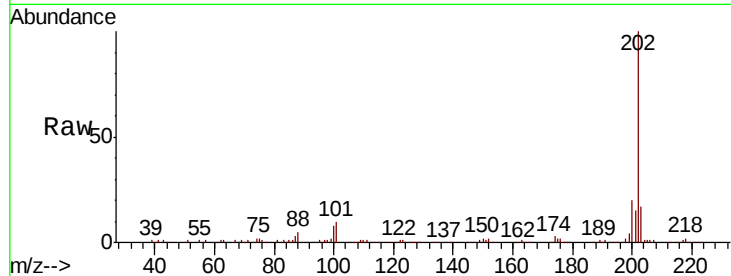
Tgt Ion: 202 Resp: 147745

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

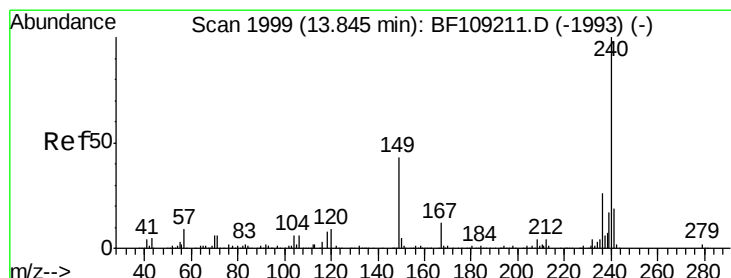
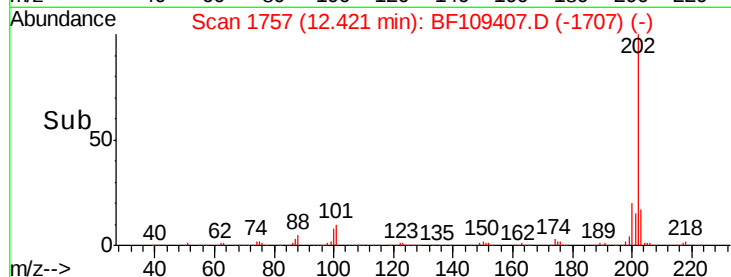
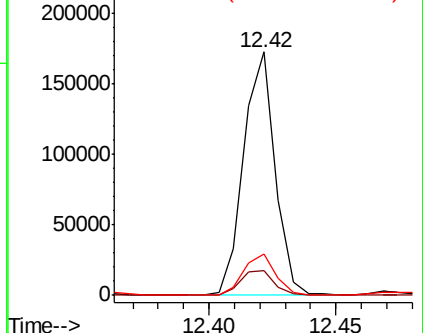
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

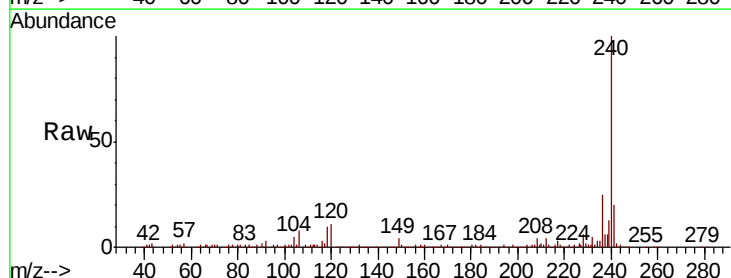
Tgt Ion: 240 Resp: 267896

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

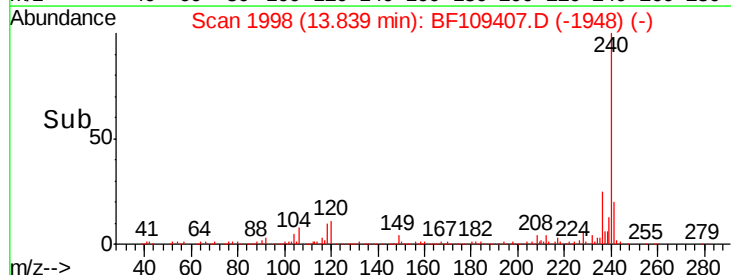
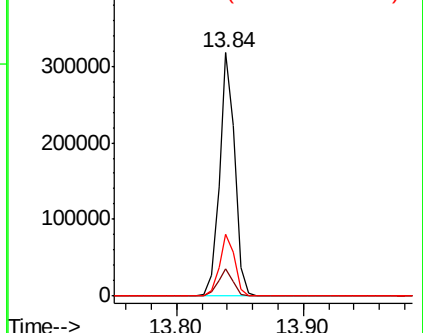
236 25.5 20.7 31.1

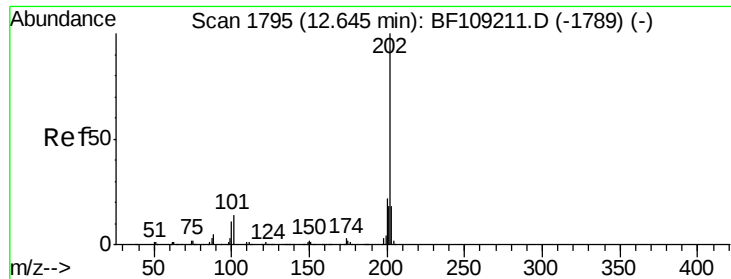


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.857 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampleId :

B-13(1-1.5)

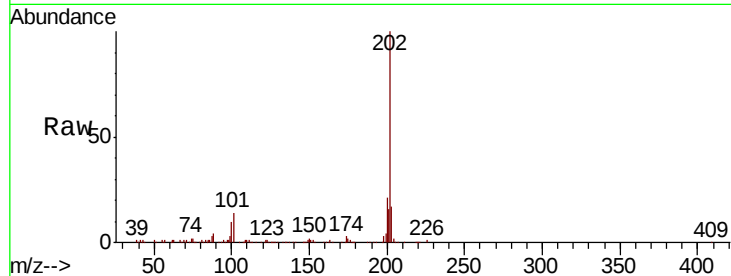
Tgt Ion: 202 Resp: 150854

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

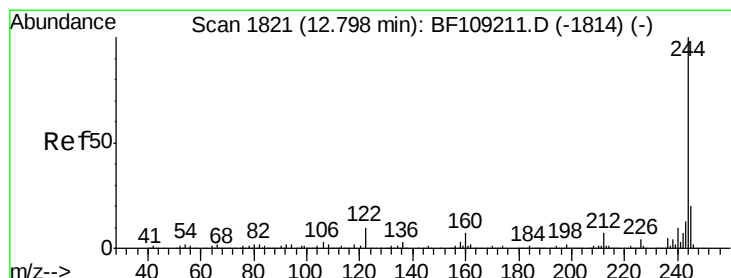
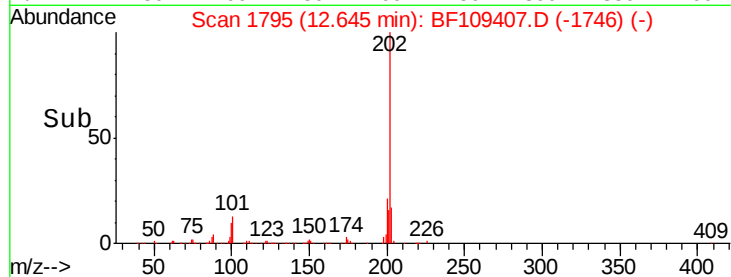
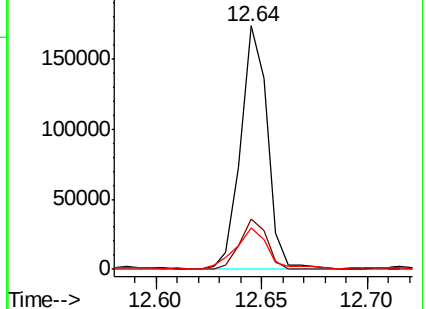
203 17.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.712 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

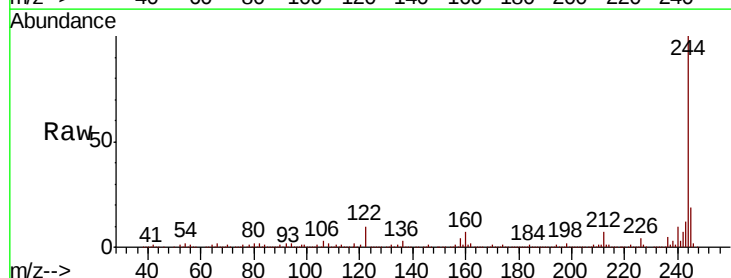
Tgt Ion: 244 Resp: 706396

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

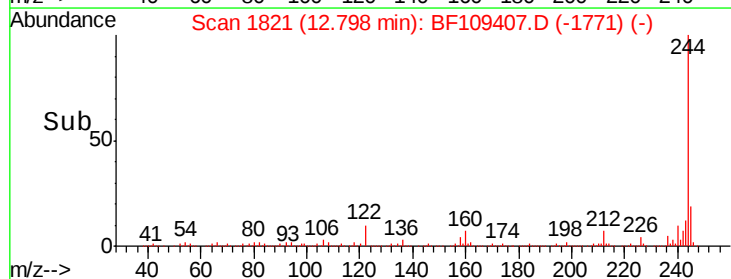
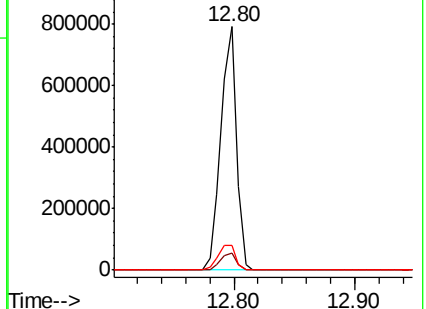
122 10.4 11.0 16.4#

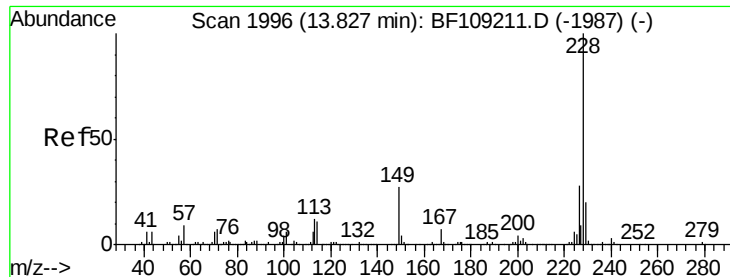


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.835 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampleId :

B-13(1-1.5)

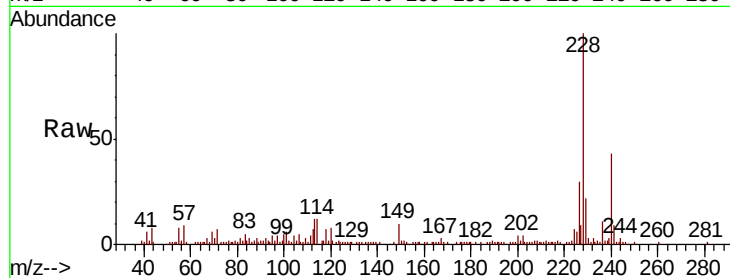
Tgt Ion:228 Resp: 61880

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

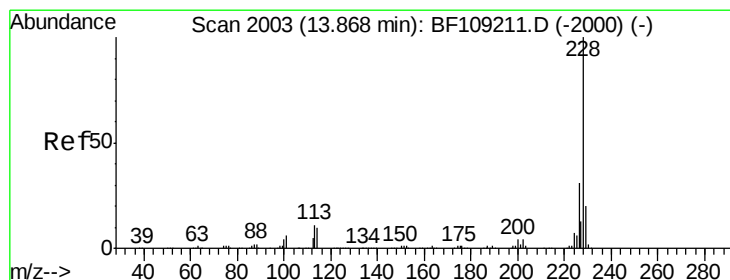
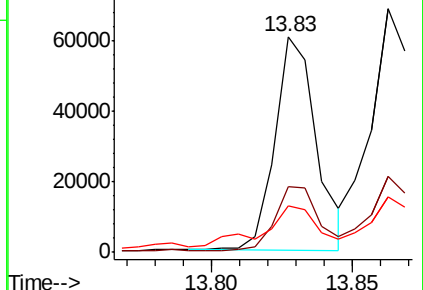
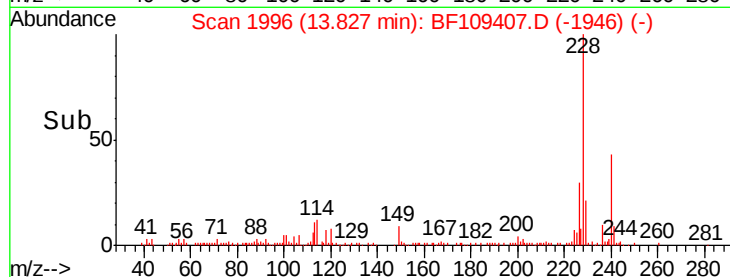
229 21.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.394 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

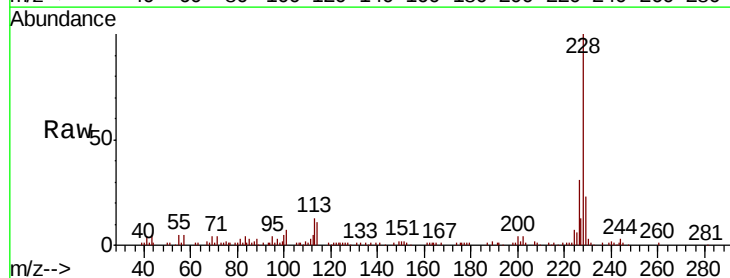
Tgt Ion:228 Resp: 70280

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

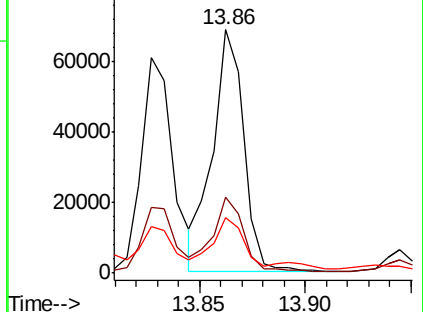
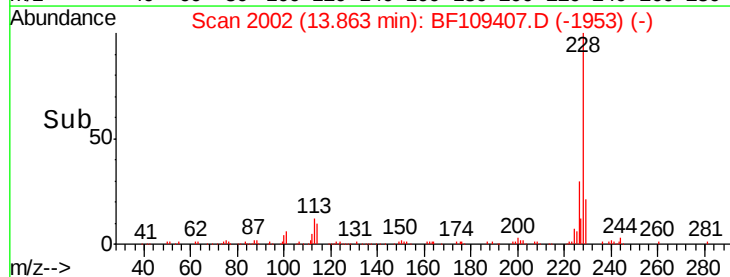
229 22.9 16.2 24.4

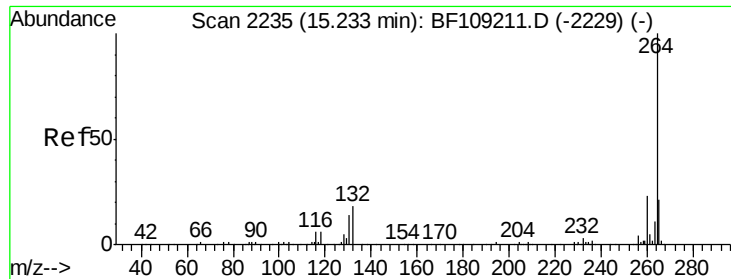


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



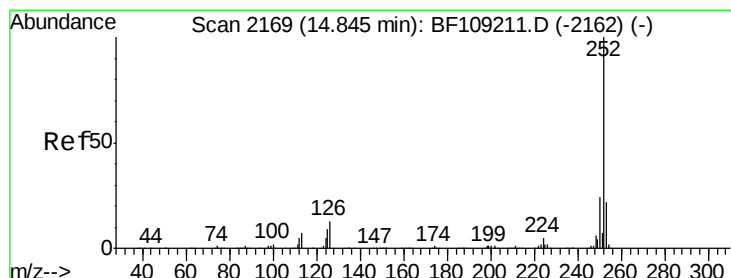
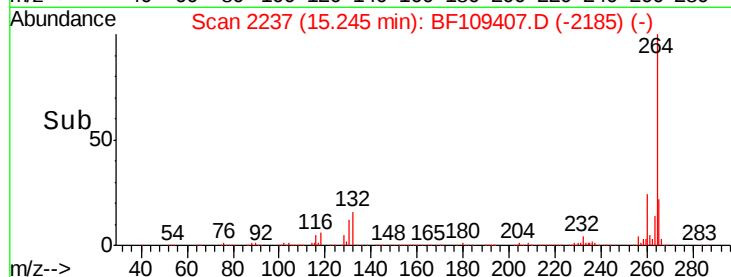
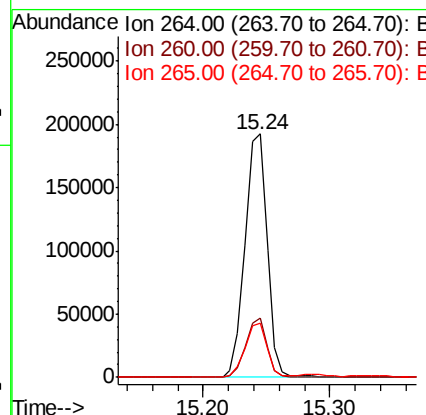
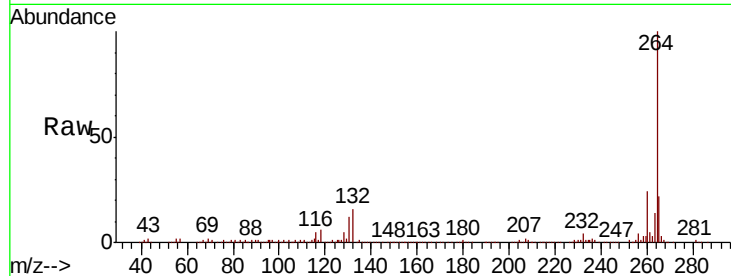


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Instrument :
BNA_F
ClientSampleId :
B-13(1-1.5)

Tgt Ion: 264 Resp: 232977

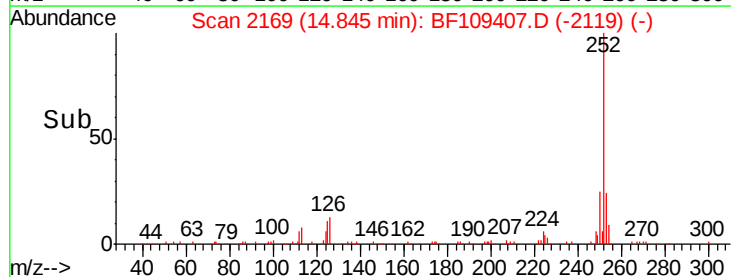
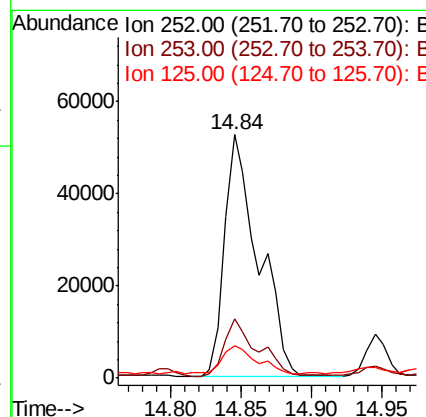
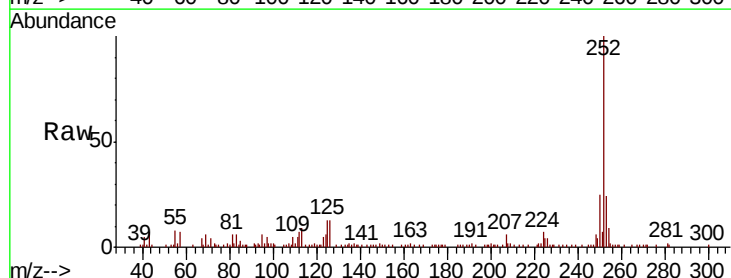
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.0	17.5	26.3

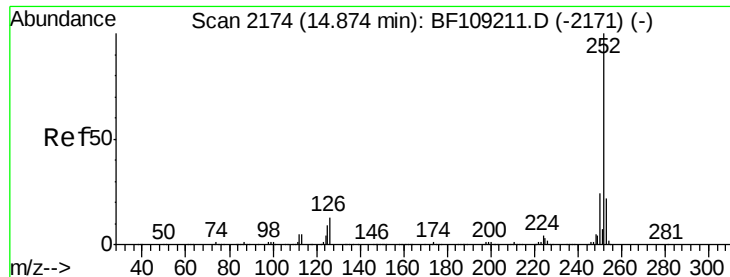


#87
Benzo(b)fluoranthene
Concen: 6.854 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Tgt Ion: 252 Resp: 87749

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	13.1	9.0	13.6

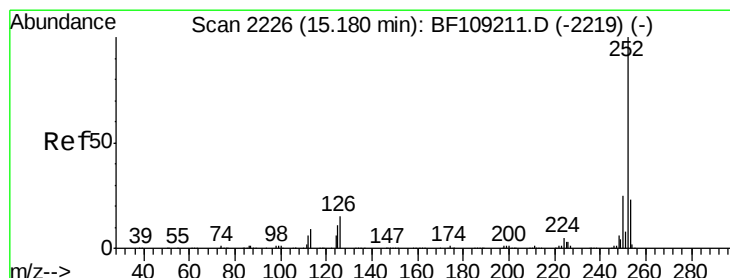
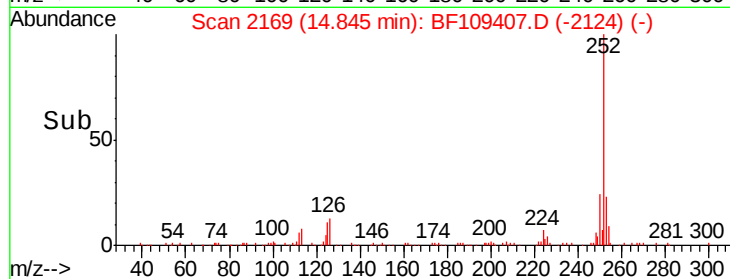
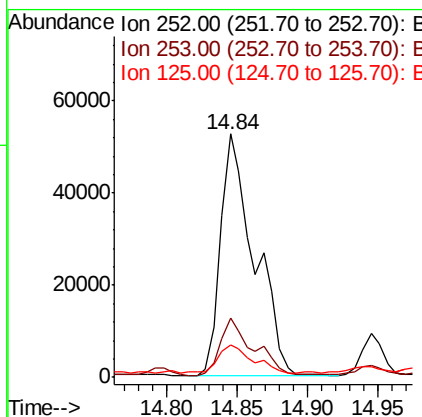
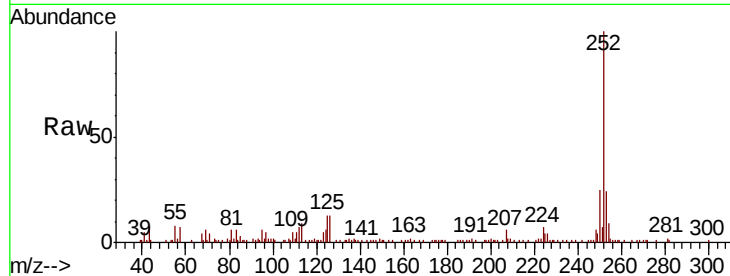




#88
Benzo(k)fluoranthene
Concen: 7.223 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

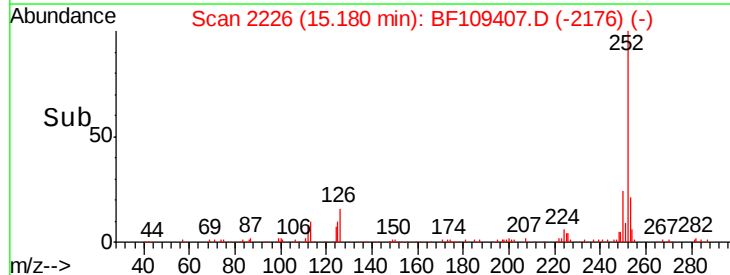
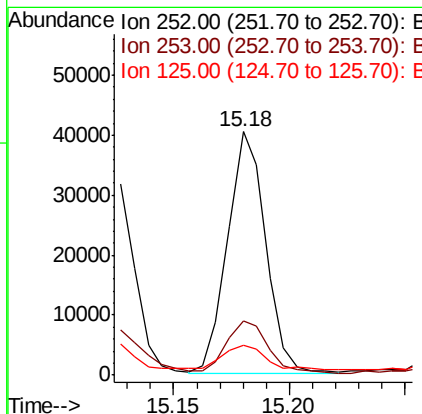
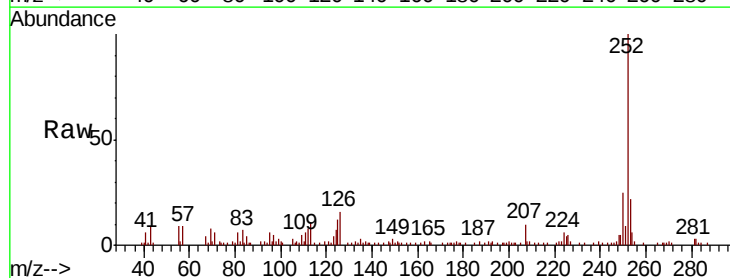
Instrument :
BNA_F
ClientSampleId :
B-13(1-1.5)

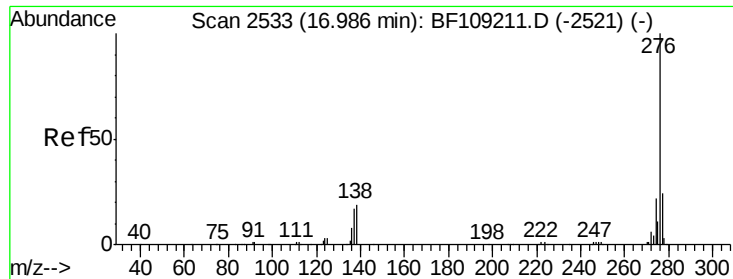
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.029 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109407.D
Acq: 28 Sep 2018 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	12.4	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 2.676 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF109407.D

Acq: 28 Sep 2018 1:45

Instrument :

BNA_F

ClientSampleId :

B-13(1-1.5)

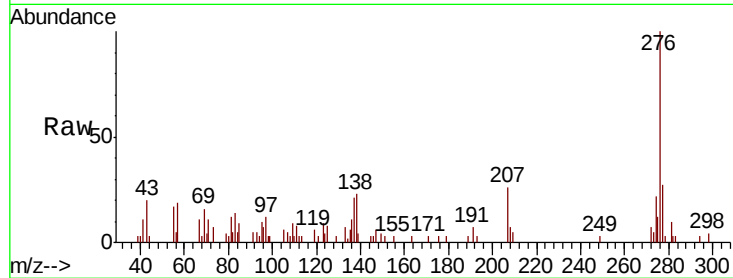
Tgt Ion: 276 Resp: 24885

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9

138 22.7 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

