

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
 Data File : BF109730.D
 Acq On : 10 Oct 2018 7:40
 Operator : JU/SJ
 Sample : J5309-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-27

Quant Time: Oct 10 08:25:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

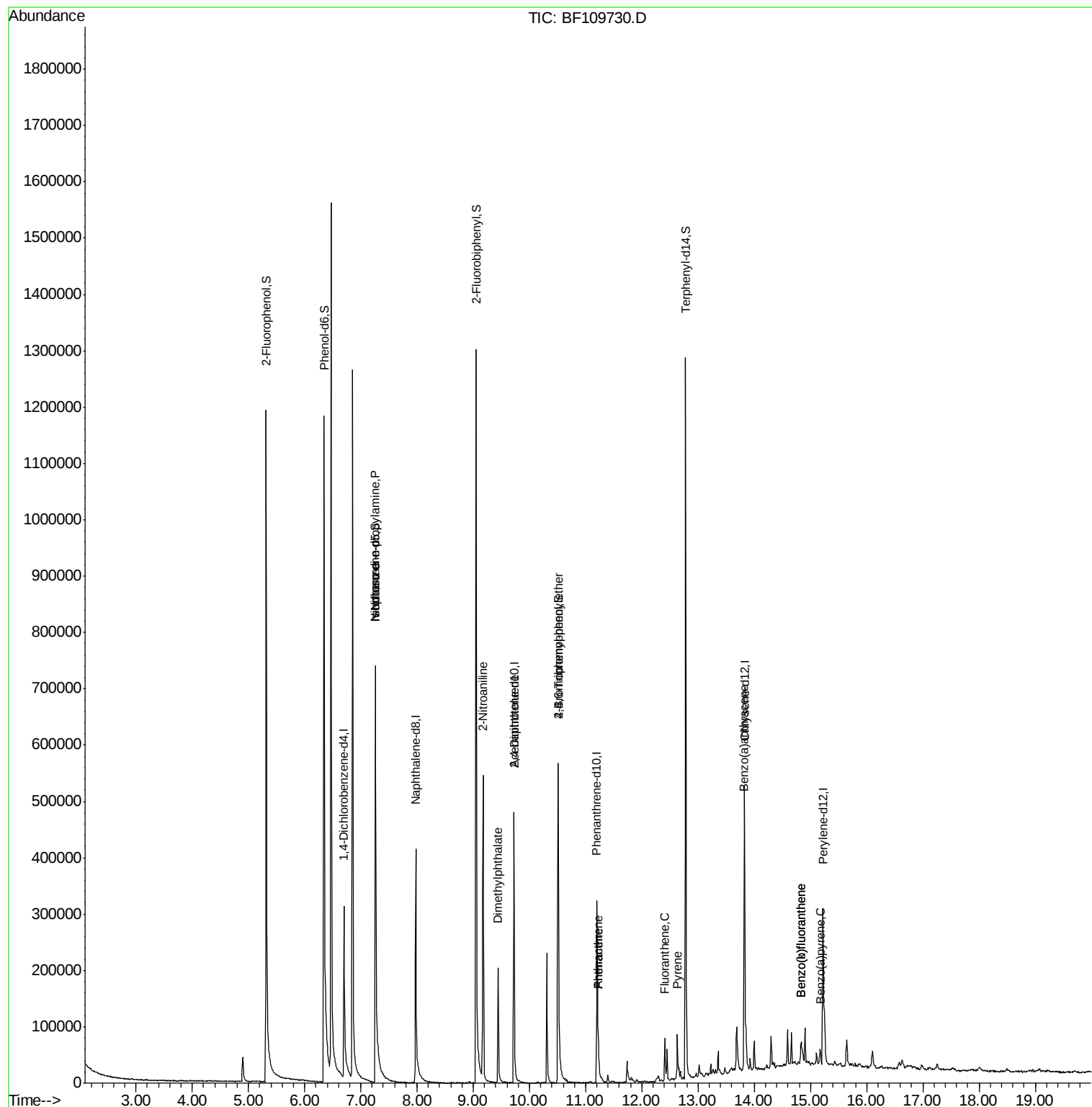
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	76213	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	281294	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	110529	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	192728	20.00	ng	0.00
75) Chrysene-d12	13.83	240	205528	20.00	ng	0.00
86) Perylene-d12	15.22	264	156264	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	438885	102.22	ng	0.00
7) Phenol-d6	6.35	99	627967	109.48	ng	-0.01
23) Nitrobenzene-d5	7.26	82	397131	77.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	108002	89.68	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	569735	70.99	ng	0.00
78) Terphenyl-d14	12.78	244	507567	47.81	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	50788	12.626	ng	# 78
25) Isophorone	7.26	82	400960	47.318	ng	# 67
47) 2-Nitroaniline	9.17	65	5149	2.299	ng	# 13
49) Dimethylphthalate	9.44	163	104606	12.904	ng	99
56) 2,4-Dinitrotoluene	9.72	165	13510	6.161	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	6406	2.893	ng	# 1
70) Phenanthrene	11.23	178	20303	2.105	ng	100
71) Anthracene	11.23	178	20303	2.036	ng	100
74) Fluoranthene	12.41	202	49517	4.914	ng	97
77) Pyrene	12.63	202	44272	2.940	ng	98
80) Benzo(a)anthracene	13.82	228	23593	2.080	ng	99
87) Benzo(b)fluoranthene	14.83	252	34084	3.947	ng	# 91
88) Benzo(k)fluoranthene	14.83	252	34084	3.928	ng	# 90
89) Benzo(a)pyrene	15.17	252	17793	2.271	ng	# 88

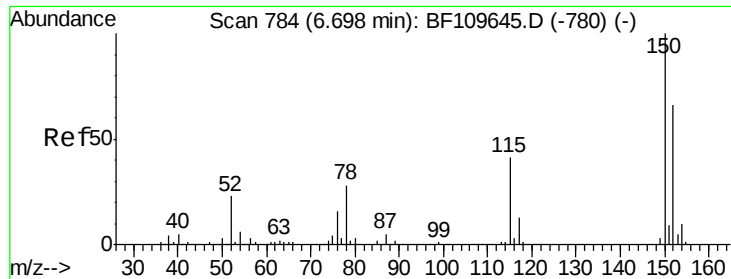
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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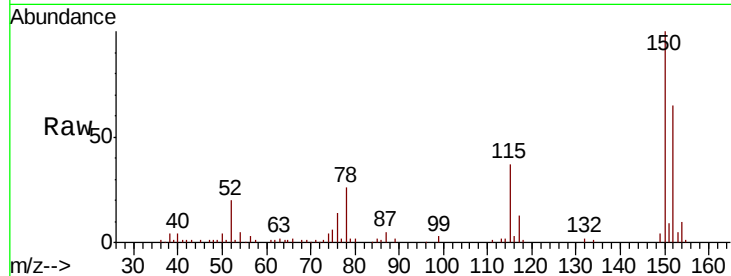


#1

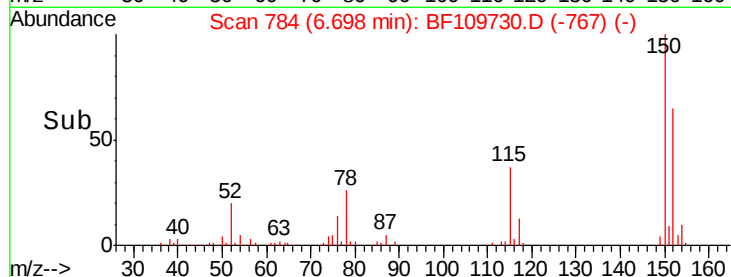
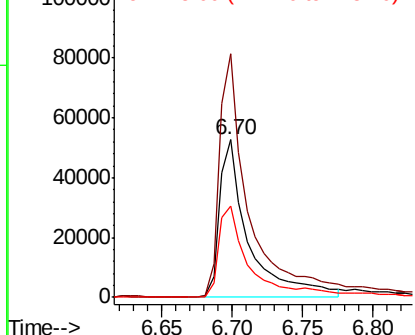
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Instrument :
BNA_G
ClientSampleId :
S-27

Tgt Ion:152 Resp: 76213
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 57.7 49.1 73.7



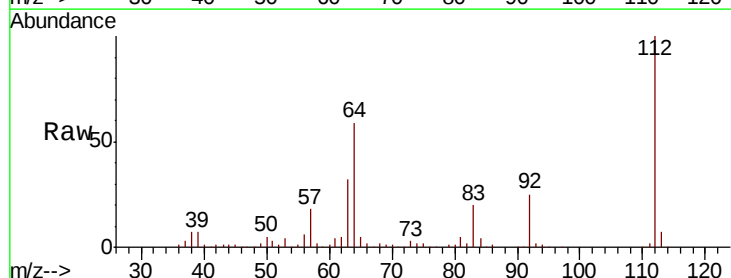
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



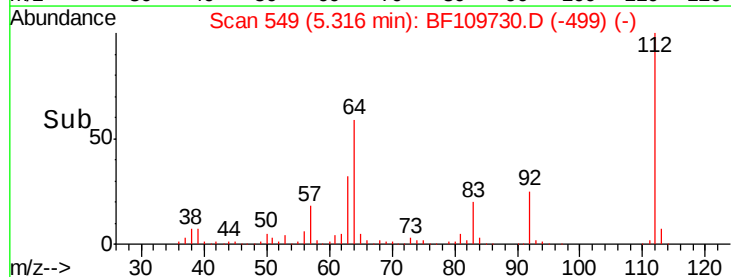
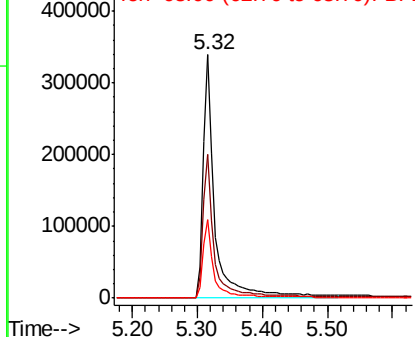
#5

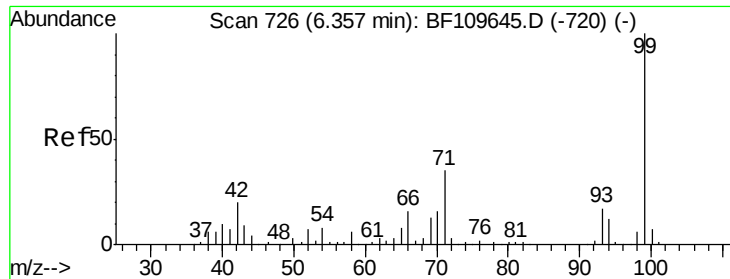
2-Fluorophenol
Concen: 102.218 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Tgt Ion:112 Resp: 438885
Ion Ratio Lower Upper
112 100
64 58.9 44.1 66.1
63 32.3 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: 109.482 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

Instrument :

BNA_G

ClientSampled :

S-27

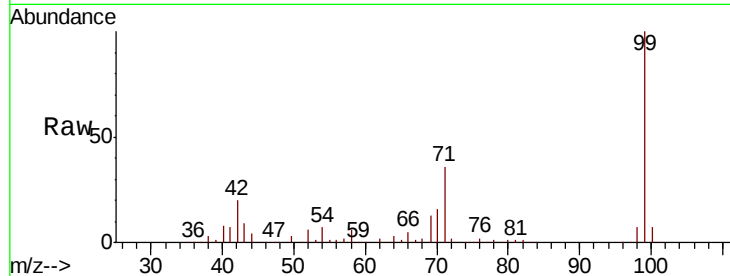
Tgt Ion: 99 Resp: 627967

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

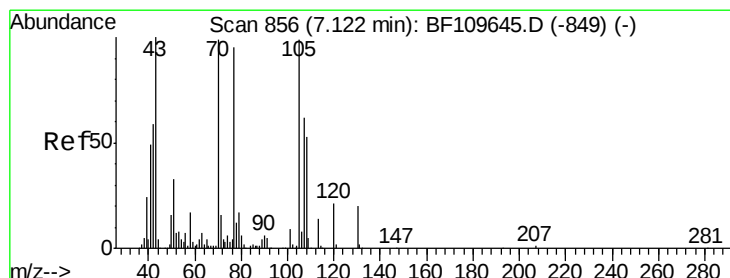
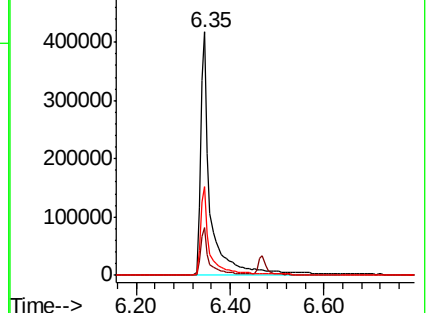
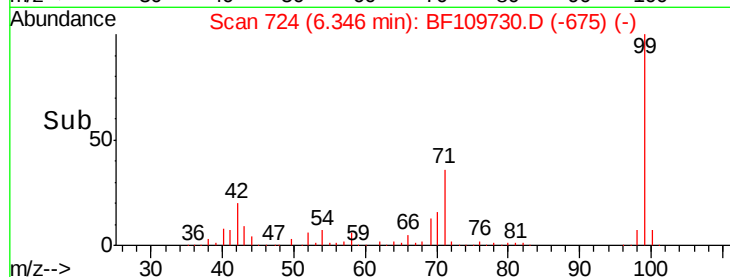
71 36.4 28.0 42.0



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: 12.626 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

Tgt Ion: 70 Resp: 50788

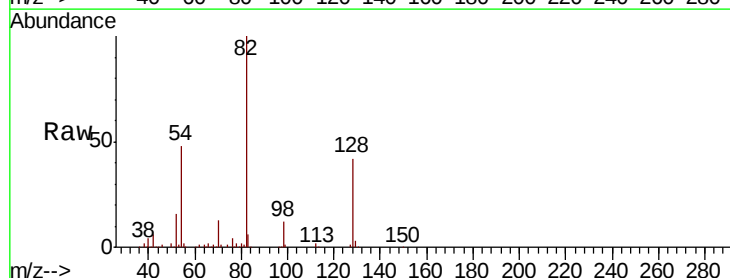
Ion Ratio Lower Upper

70 100

42 47.3 47.4 71.2#

101 0.0 7.3 10.9#

130 1.8 16.2 24.2#

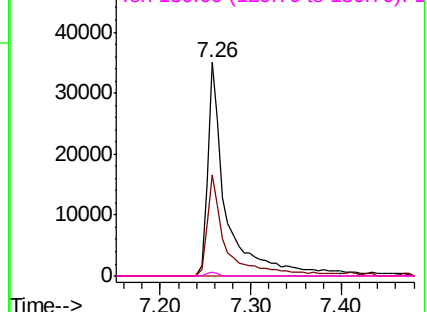
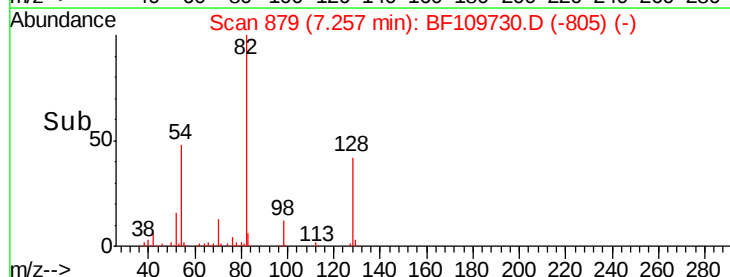


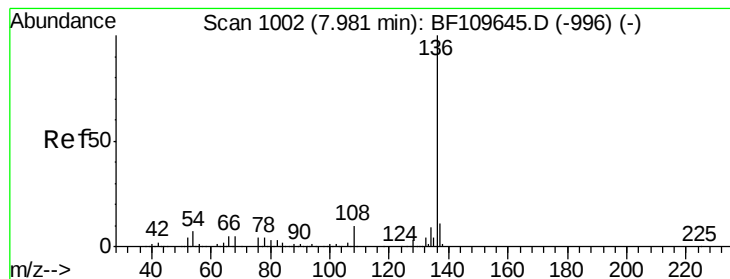
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

S-27

Tgt Ion: 136 Resp: 281294

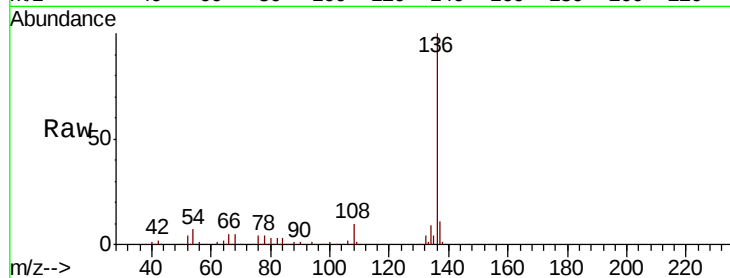
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.6 5.4 8.2

68 4.9 4.2 6.2

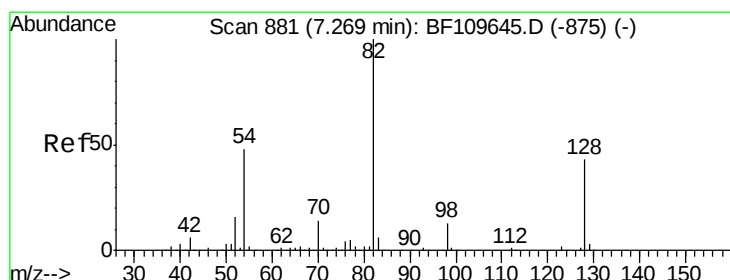
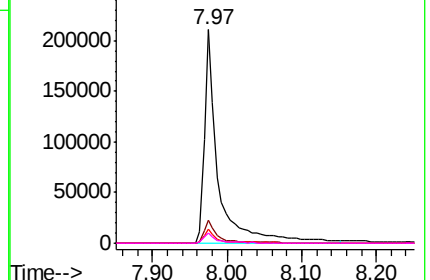
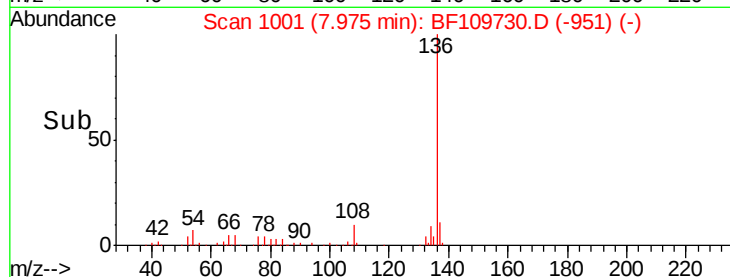


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.823 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

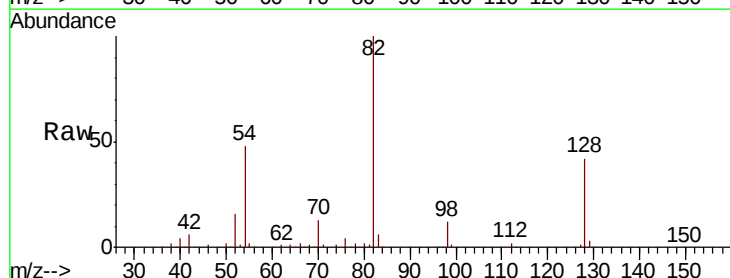
Tgt Ion: 82 Resp: 397131

Ion Ratio Lower Upper

82 100

128 41.6 34.2 51.2

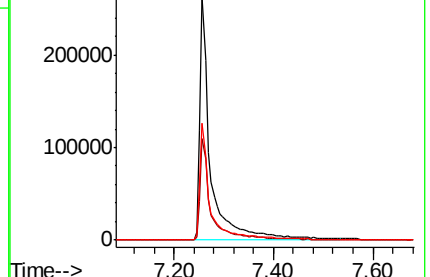
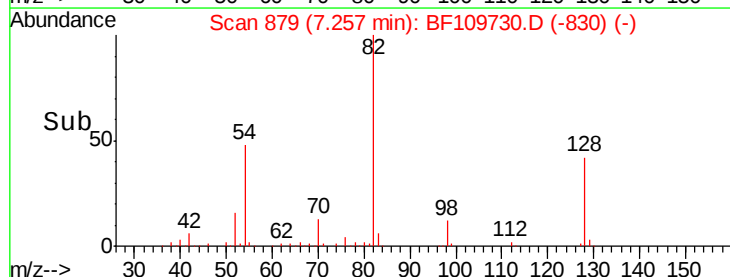
54 48.1 38.6 58.0

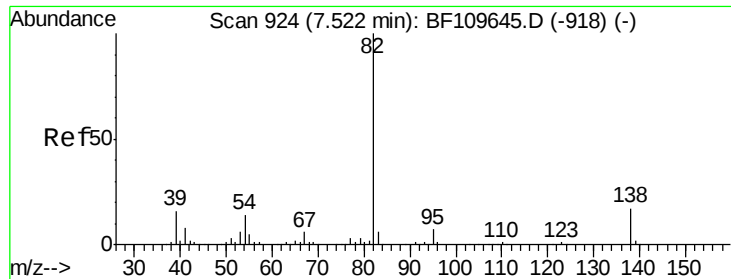


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.318 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

S-27

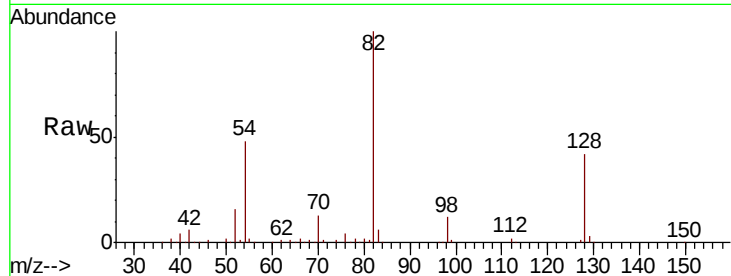
Tgt Ion: 82 Resp: 400960

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

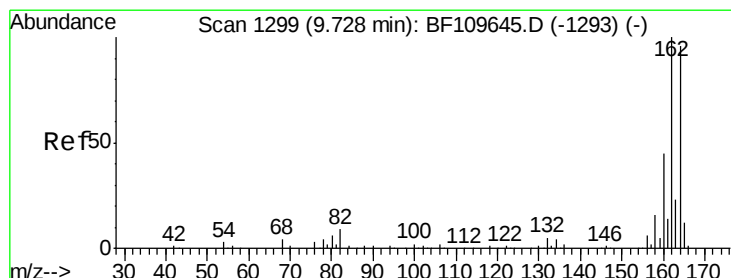
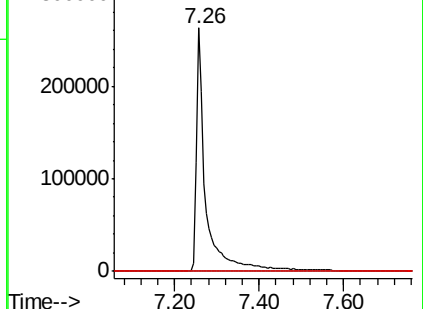
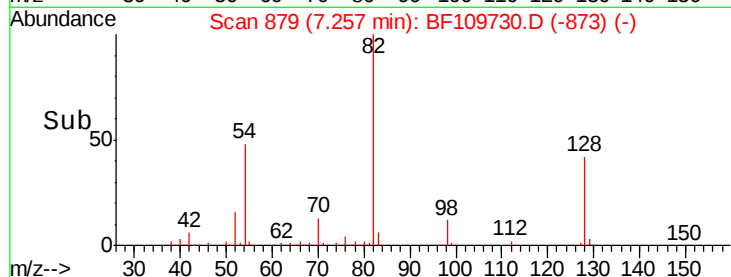
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

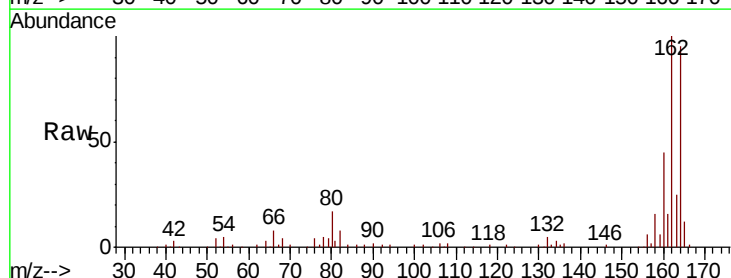
Tgt Ion: 164 Resp: 110529

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.6

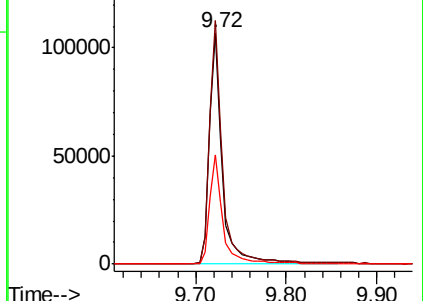
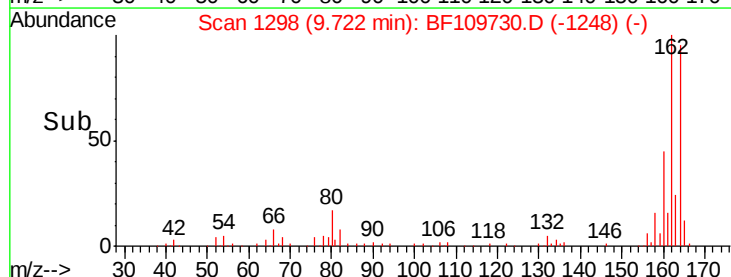
160 47.1 37.0 55.6

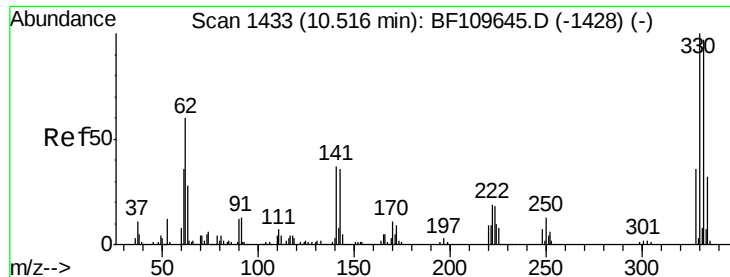


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

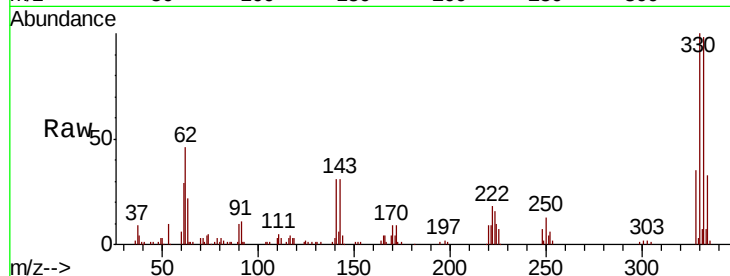




#41
 2,4,6-Tribromophenol
 Concen: 89.678 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

Instrument :
 BNA_G
 ClientSampleId :
 S-27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	35.2	27.0	40.4

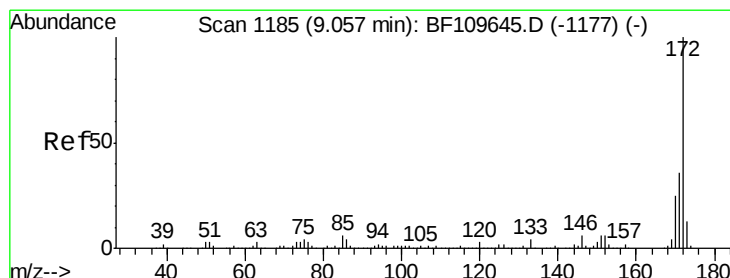
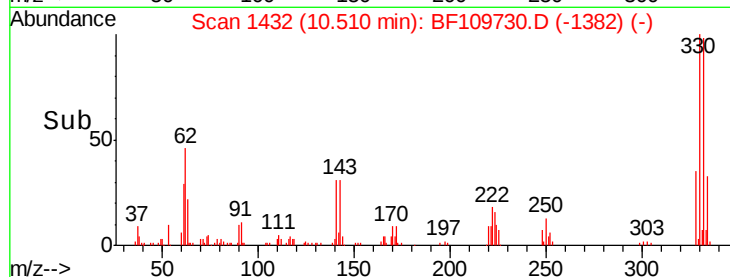
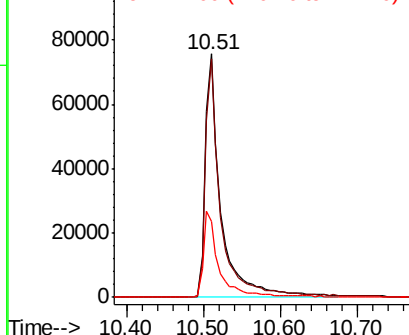


Abundance

Ion 329.80 (329.50 to 330.50): E

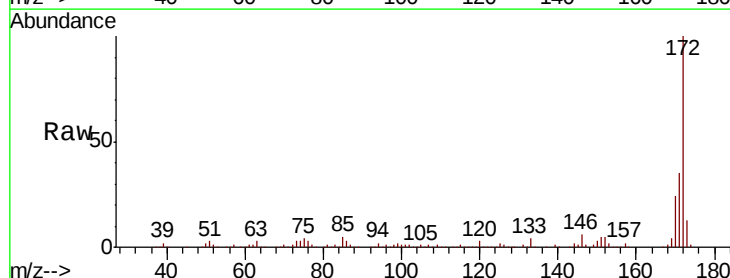
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 70.992 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.5	19.7	29.5

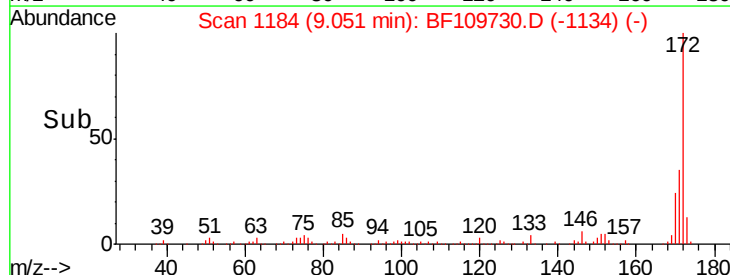
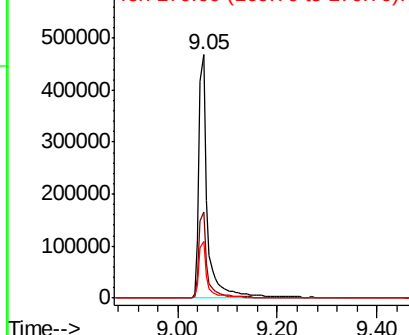


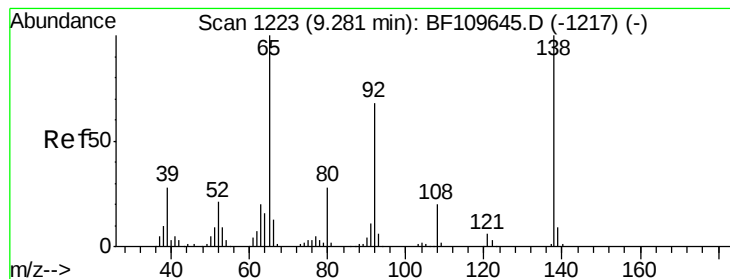
Abundance

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





#47

2-Nitroaniline

Concen: 2.299 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.11 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

Instrument :

BNA_G

ClientSampleId :

S-27

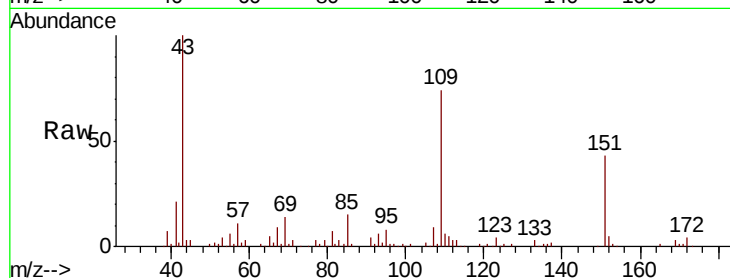
Tgt Ion: 65 Resp: 5149

Ion Ratio Lower Upper

65 100

92 13.6 54.6 81.8#

138 0.0 80.3 120.5#

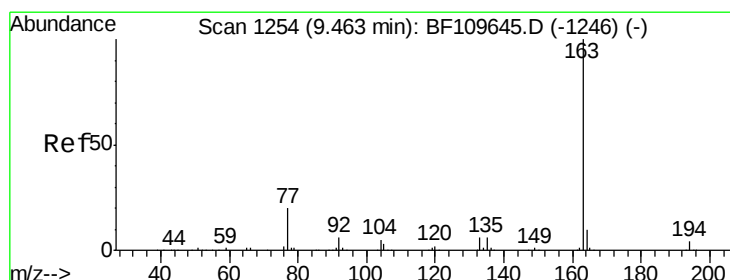
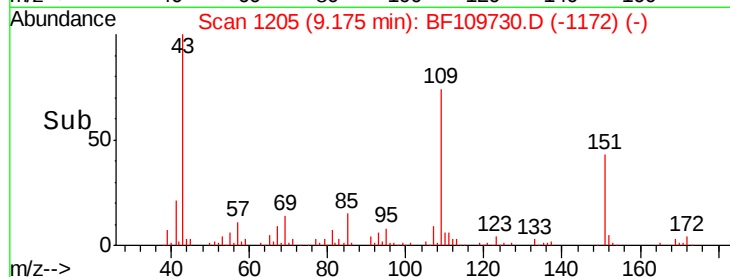
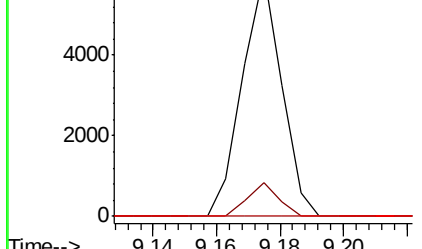


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 12.904 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF109730.D

Acq: 10 Oct 2018 7:40

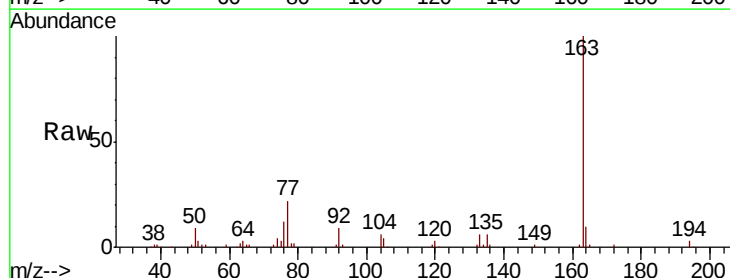
Tgt Ion: 163 Resp: 104606

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

164 10.5 8.1 12.1

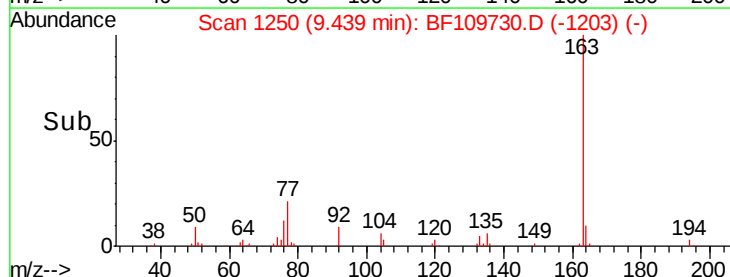
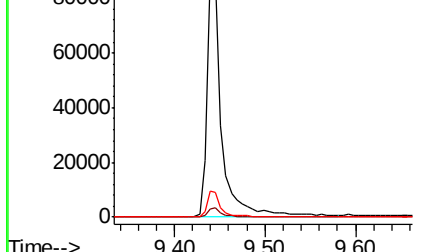


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

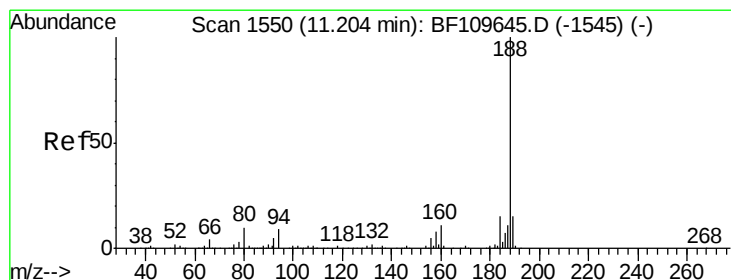
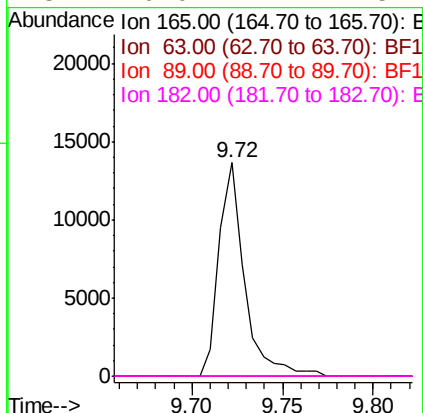
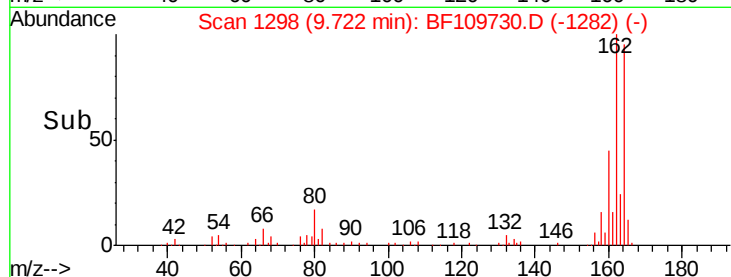
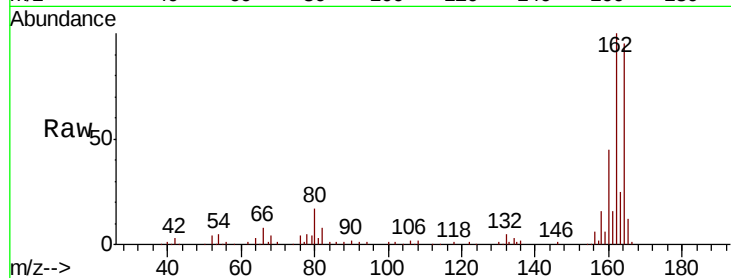




#56
 2,4-Dinitrotoluene
 Concen: 6.161 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

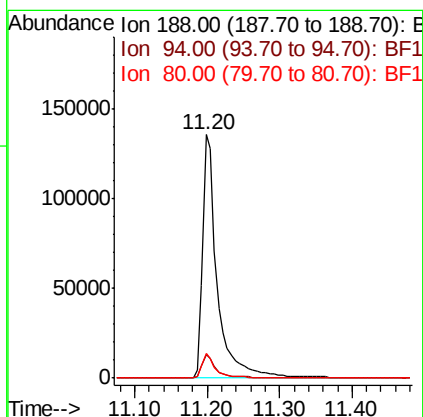
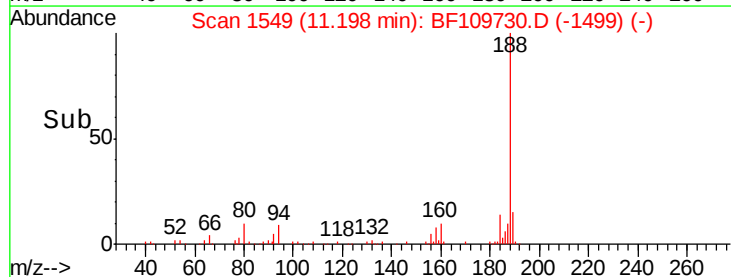
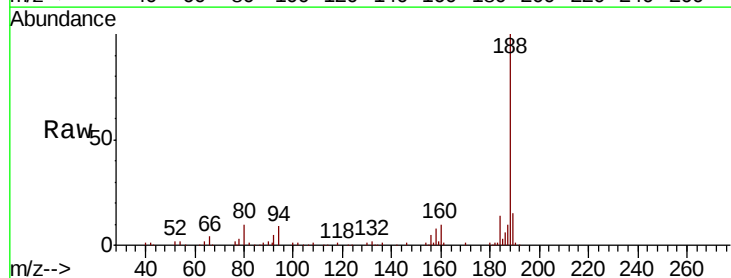
Instrument :
 BNA_G
 ClientSampleId :
 S-27

Tgt Ion:	165	Resp:	13510
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

Tgt Ion:	188	Resp:	192728
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	10.3	7.9	11.9

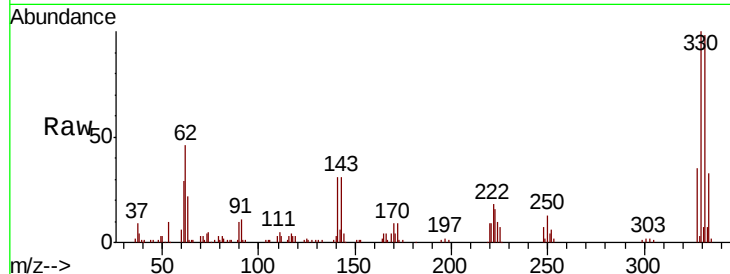




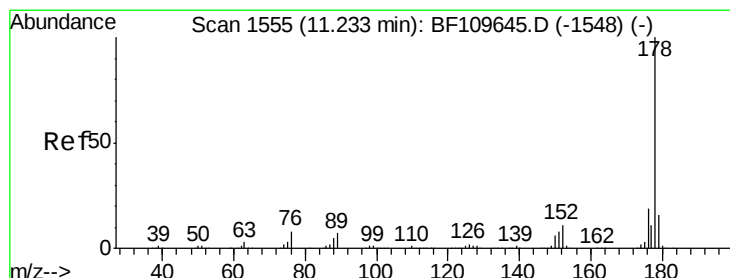
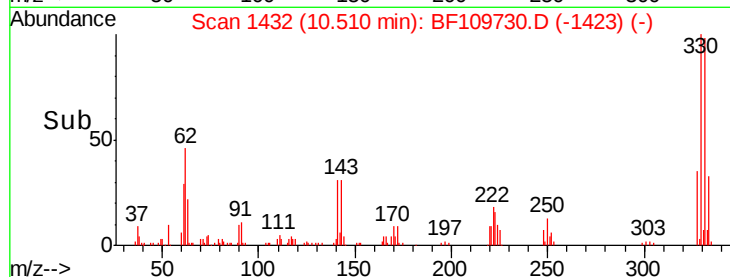
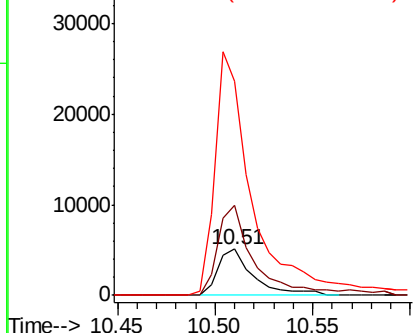
#66
4-Bromophenyl-phenylether
Concen: 2.893 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Instrument :
BNA_G
ClientSampleId :
S-27

Tgt Ion: 248 Resp: 6406
Ion Ratio Lower Upper
248 100
250 193.7 79.4 119.2#
141 463.3 55.9 83.9#

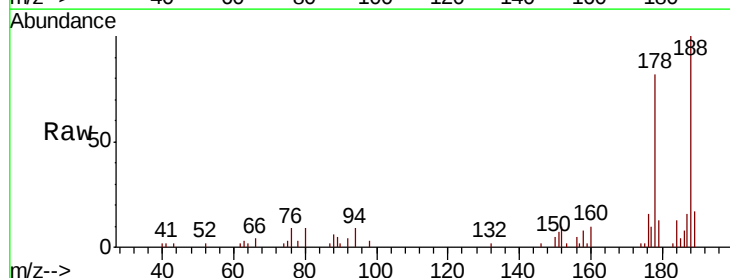


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

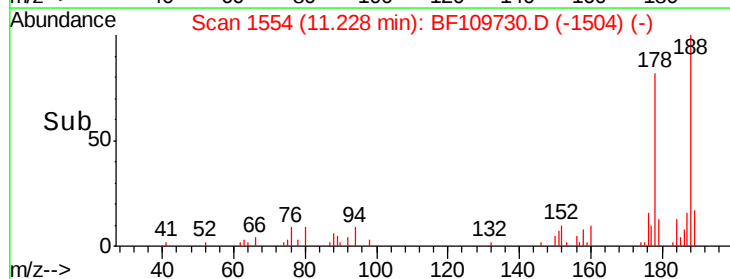
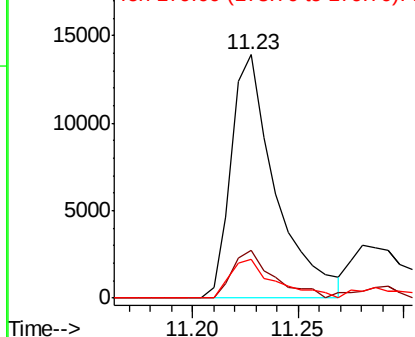


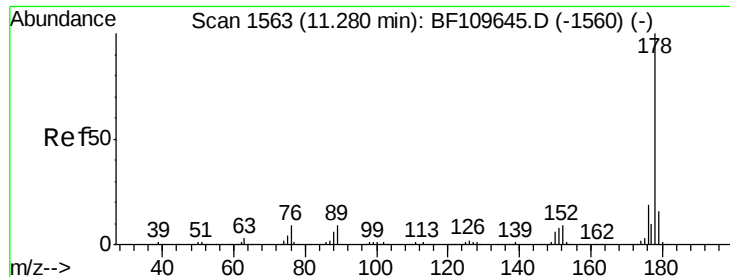
#70
Phenanthrene
Concen: 2.105 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Tgt Ion: 178 Resp: 20303
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.7 12.5 18.7



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

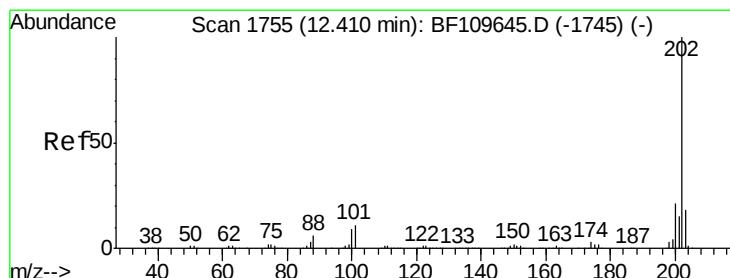
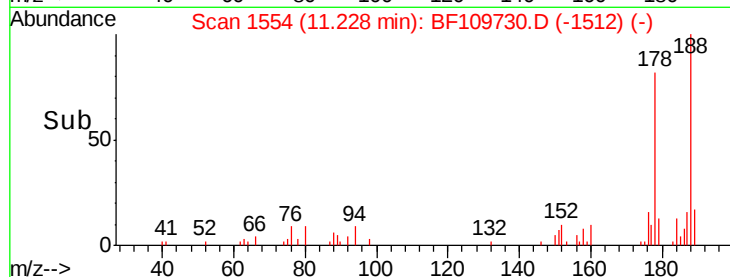
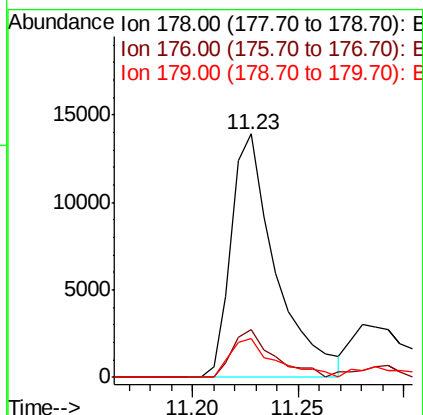
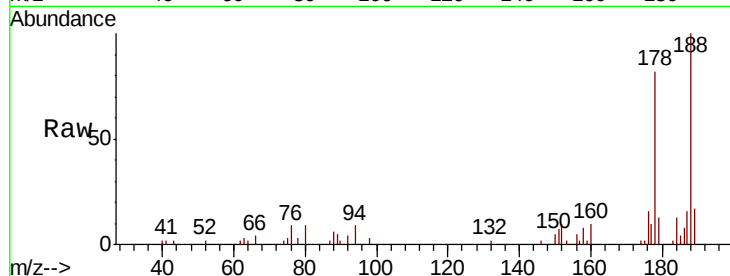




#71
 Anthracene
 Concen: 2.036 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.05 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

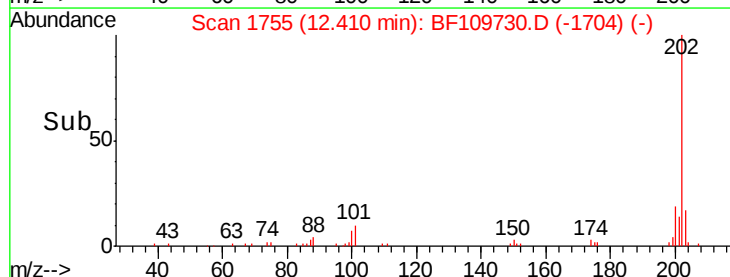
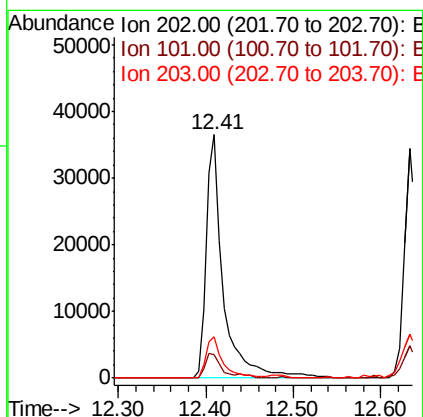
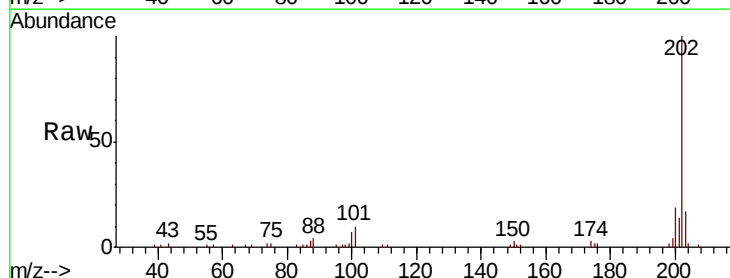
Instrument :
 BNA_G
 ClientSampleId :
 S-27

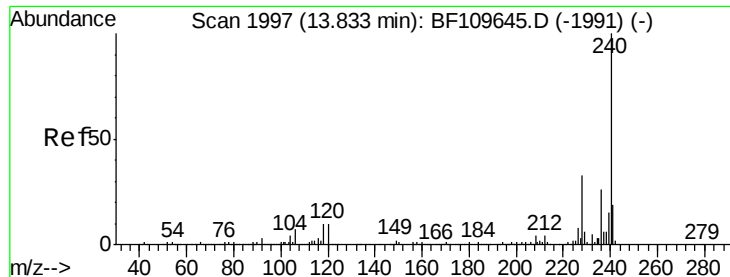
Tgt Ion:178 Resp: 20303
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 15.7 12.6 18.8



#74
 Fluoranthene
 Concen: 4.914 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

Tgt Ion:202 Resp: 49517
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 16.9 0.0 37.7

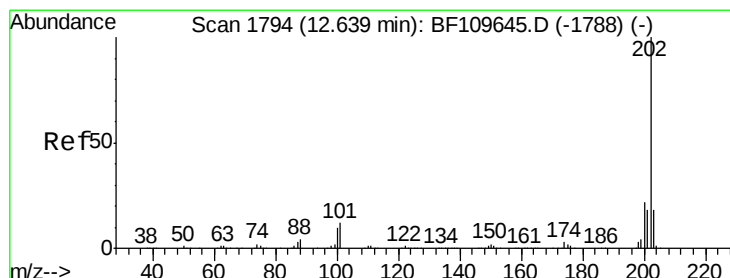
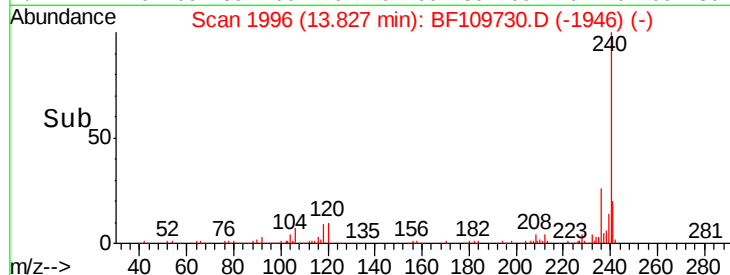
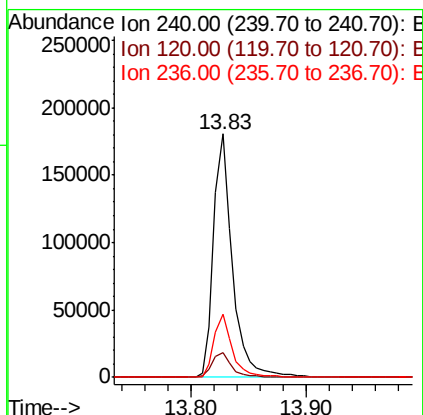
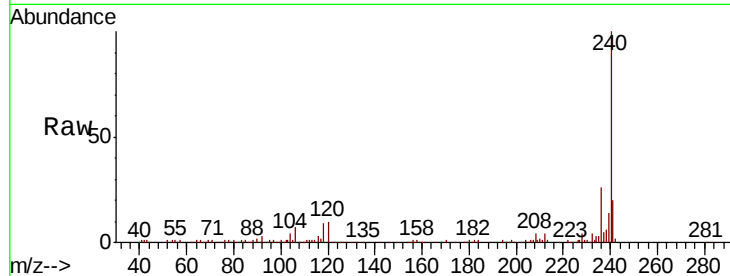




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

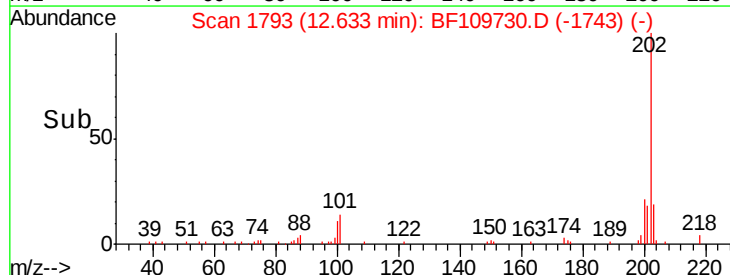
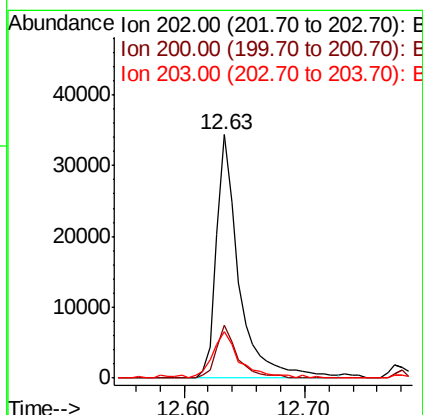
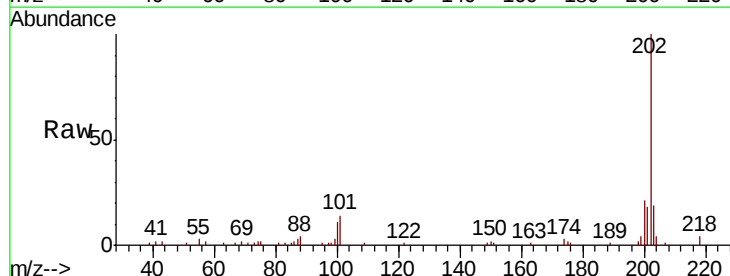
Instrument :
BNA_G
ClientSampled :
S-27

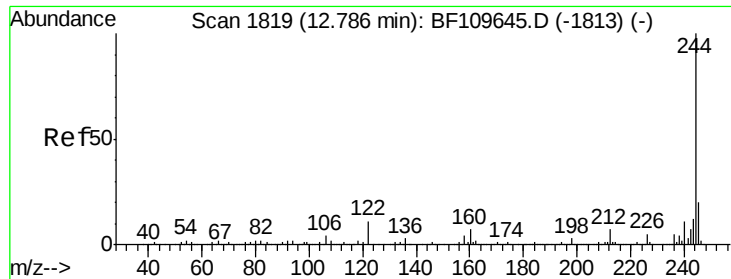
Tgt Ion:240 Resp: 205528
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 26.1 21.2 31.8



#77
Pyrene
Concen: 2.940 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Tgt Ion:202 Resp: 44272
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 19.3 14.2 21.4

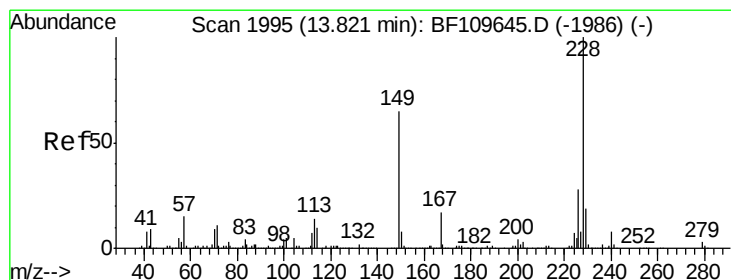
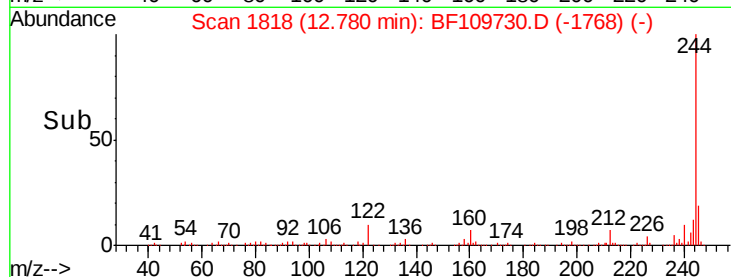
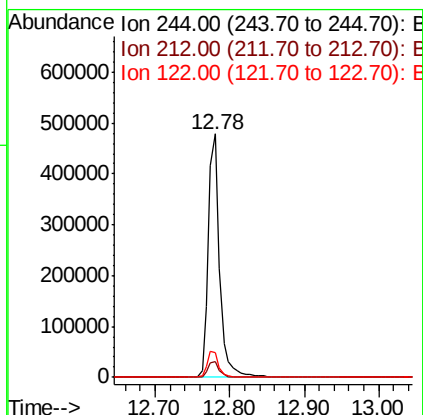
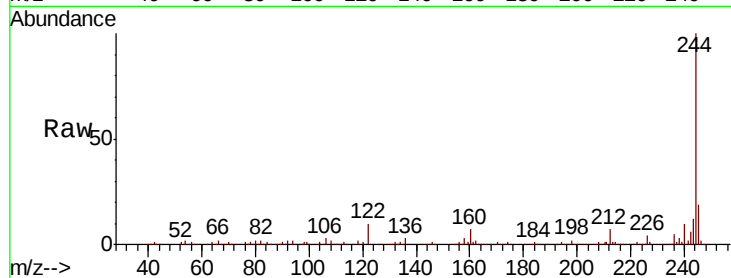




#78
 Terphenyl-d14
 Concen: 47.807 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

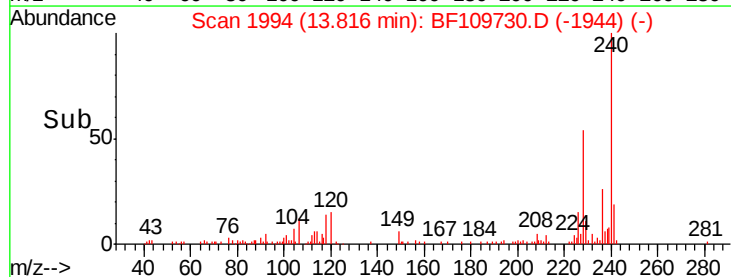
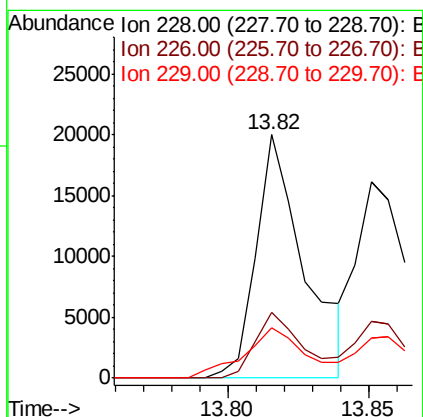
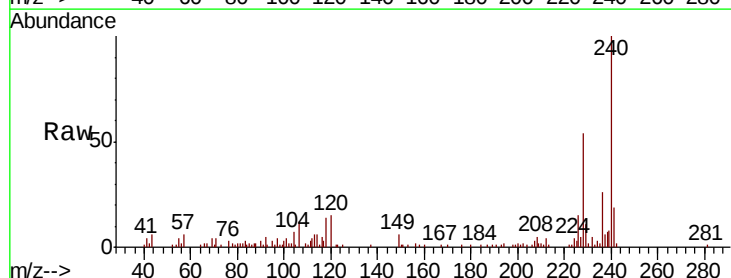
Instrument :
 BNA_G
 ClientSampleId :
 S-27

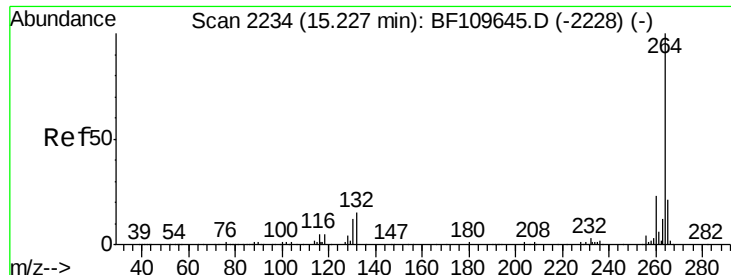
Tgt Ion:244 Resp: 507567
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 10.0 8.7 13.1



#80
 Benzo(a)anthracene
 Concen: 2.080 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109730.D
 Acq: 10 Oct 2018 7:40

Tgt Ion:228 Resp: 23593
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.1 33.1
 229 20.5 15.6 23.4

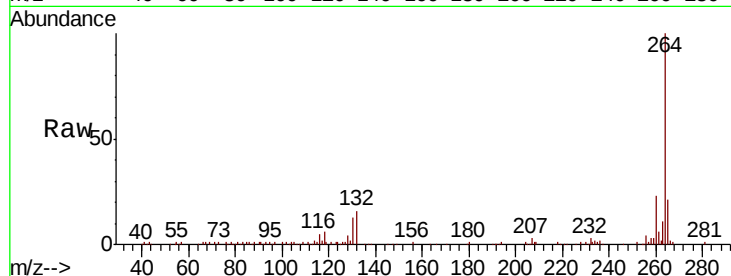




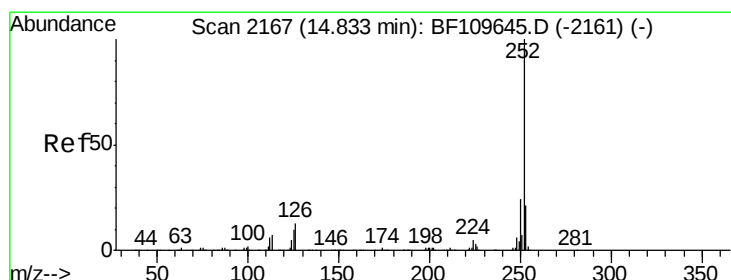
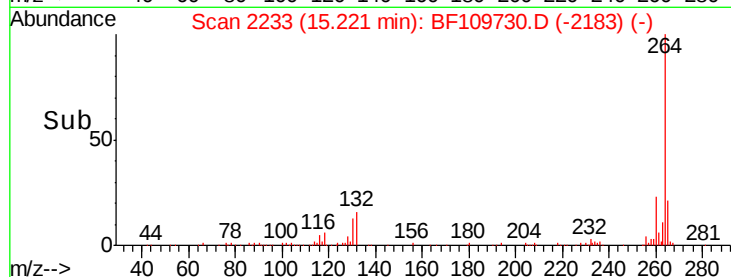
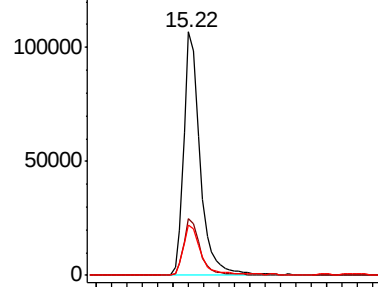
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Instrument :
BNA_G
ClientSampled :
S-27

Tgt Ion: 264 Resp: 156264
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 20.7 16.7 25.1

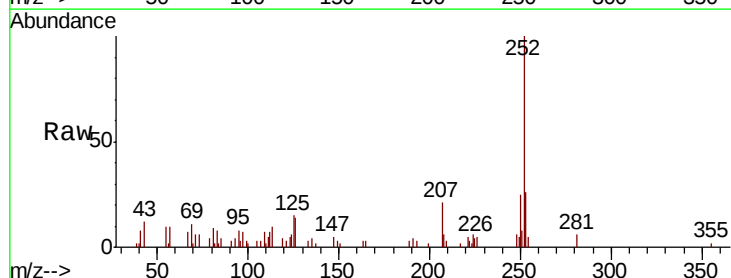


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

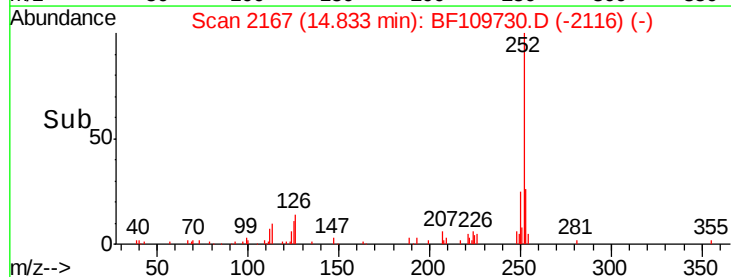
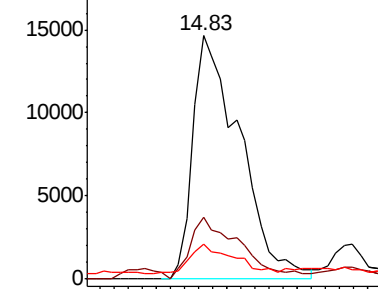


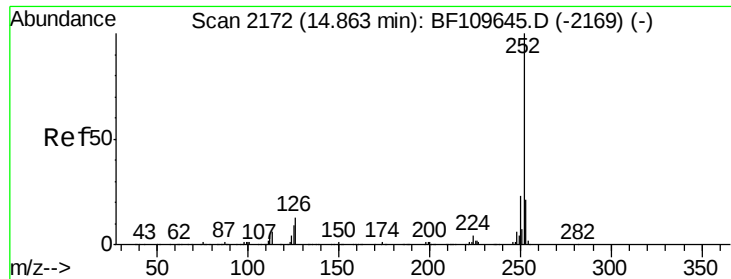
#87
Benzo(b)fluoranthene
Concen: 3.947 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Tgt Ion: 252 Resp: 34084
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 14.5 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

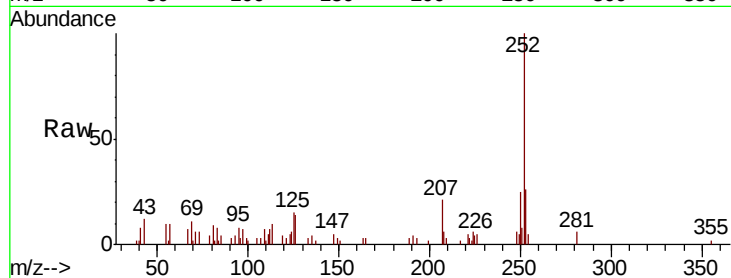




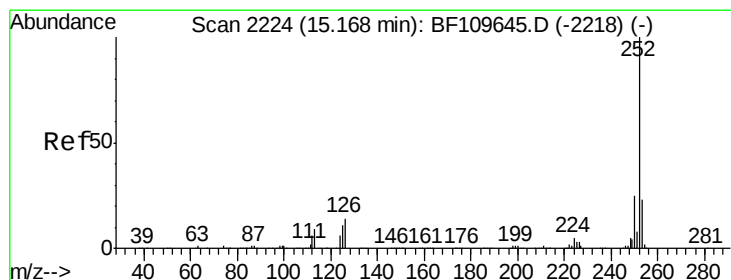
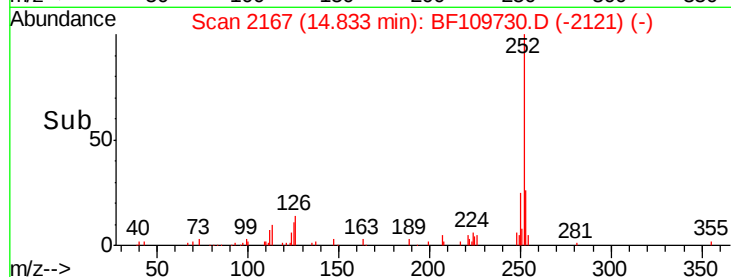
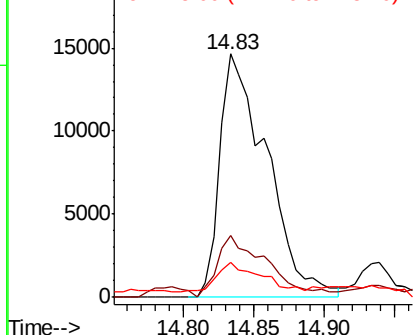
#88
Benzo(k)fluoranthene
Concen: 3.928 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Instrument :
BNA_G
ClientSampleId :
S-27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	14.5	7.4	11.0#

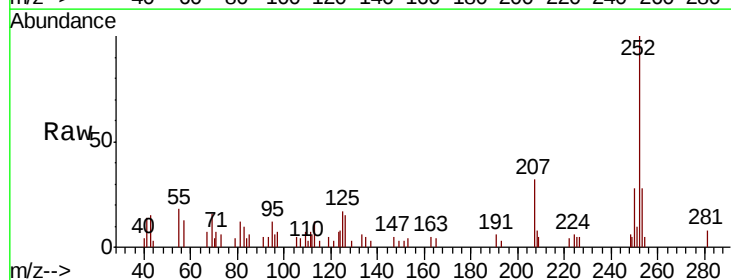


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.271 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF109730.D
Acq: 10 Oct 2018 7:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.2	27.4#
125	16.7	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

