

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109147.D
 Acq On : 19 Sep 2018 16:55
 Operator : JU/SJ
 Sample : J4962-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 17:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125872	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	459349	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	191471	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	319653	20.00	ng	0.00
75) Chrysene-d12	13.86	240	321700	20.00	ng	0.00
86) Perylene-d12	15.27	264	307149	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	274719	36.25	ng	0.00
7) Phenol-d6	6.35	99	452826	46.34	ng	0.00
23) Nitrobenzene-d5	7.28	82	279487	34.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	26075	12.55	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	589336	48.22	ng	0.00
78) Terphenyl-d14	12.81	244	504756	37.19	ng	0.00

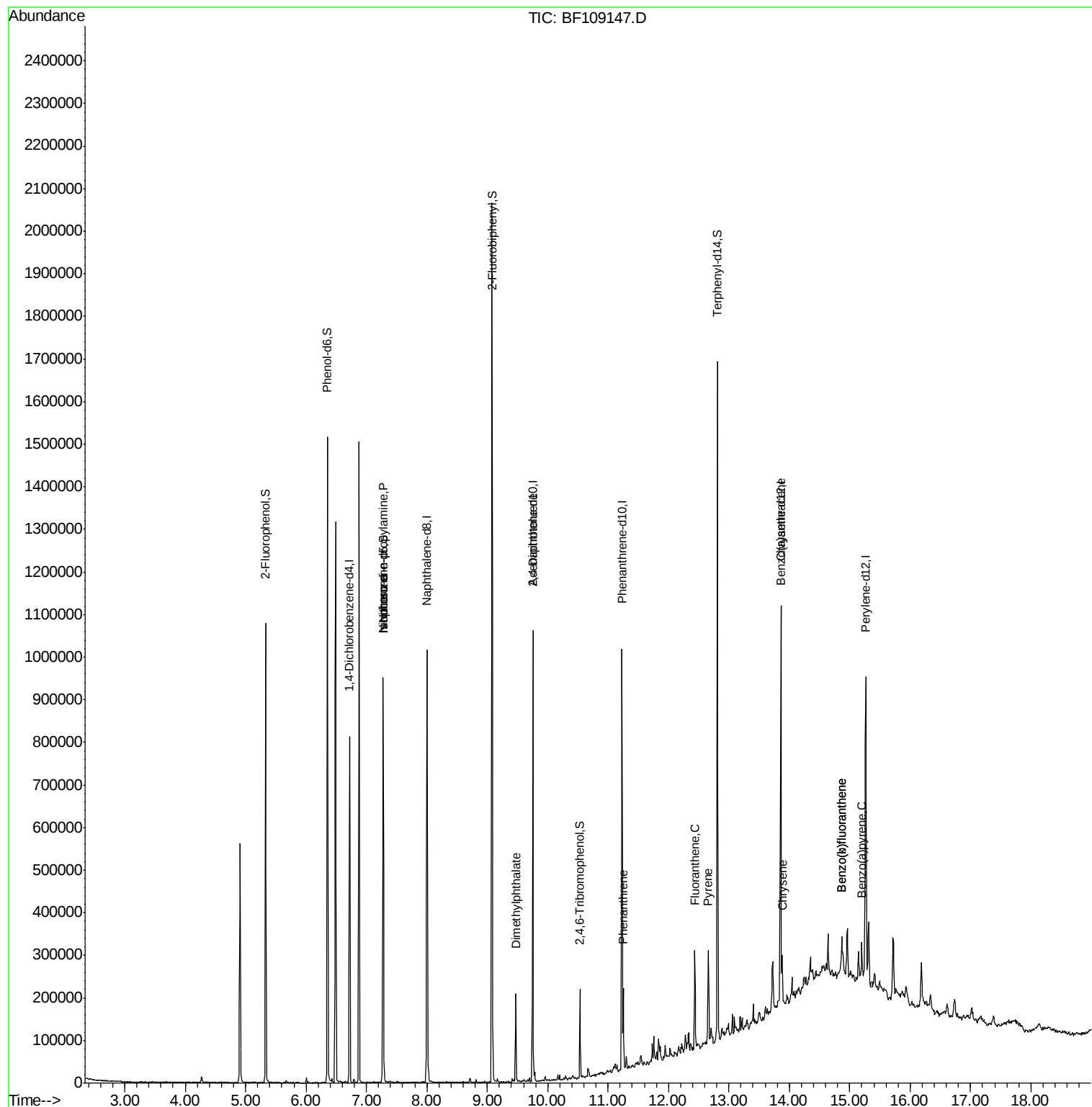
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	36503	5.651	ng	# 77
25) Isophorone	7.28	82	276847	19.665	ng	# 64
49) Dimethylphthalate	9.47	163	78305	5.722	ng	# 99
56) 2,4-Dinitrotoluene	9.75	165	24642	6.209	ng	# 22
70) Phenanthrene	11.25	178	63452	4.049	ng	97
74) Fluoranthene	12.44	202	84013	5.079	ng	95
77) Pyrene	12.66	202	94743	3.965	ng	98
80) Benzo(a)anthracene	13.85	228	39988	2.053	ng	96
82) Chrysene	13.88	228	44365	2.277	ng	97
87) Benzo(b)fluoranthene	14.87	252	56450	3.322	ng	# 91
88) Benzo(k)fluoranthene	14.87	252	56450	3.557	ng	# 94
89) Benzo(a)pyrene	15.20	252	34512	2.287	ng	# 89

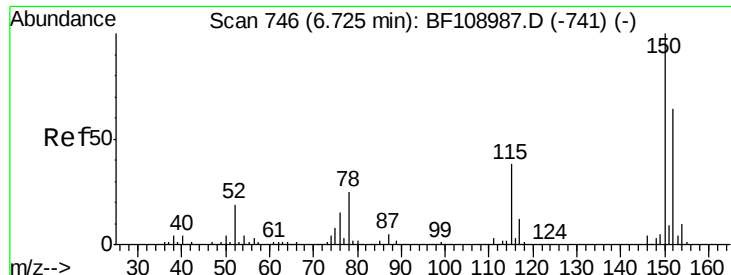
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109147.D
Acq On : 19 Sep 2018 16:55
Operator : JU/SJ
Sample : J4962-01RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 19 17:59:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampled :

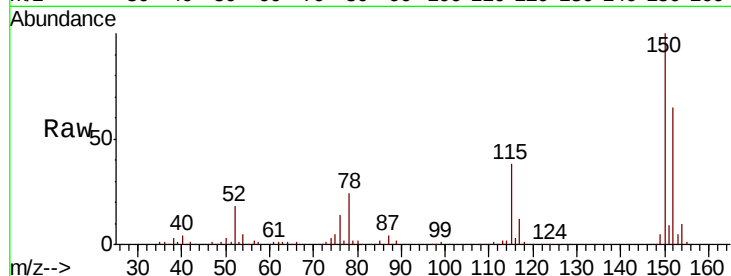
Tot Ion:152 Resp: 125872

Ion Ratio Lower Upper

152 100

150 153.8 124.6 186.8

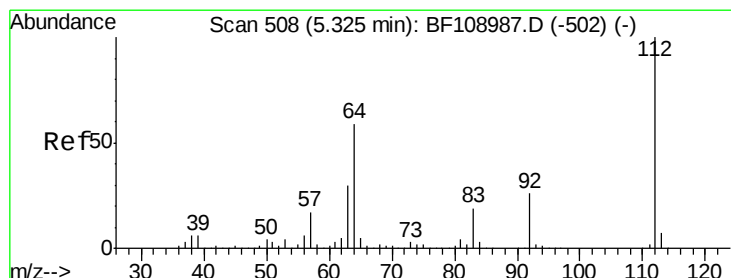
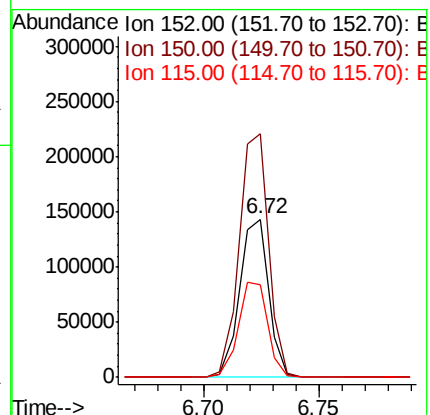
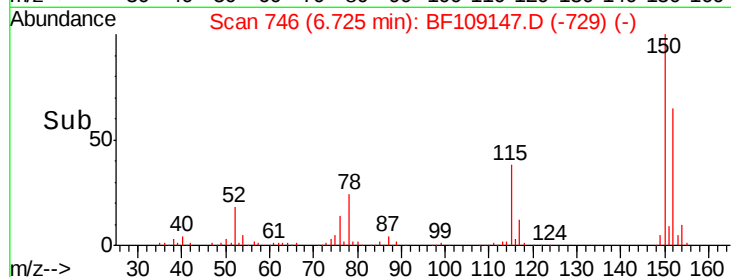
115 58.2 50.1 75.1



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: 36.249 ng

RT: 5.33 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

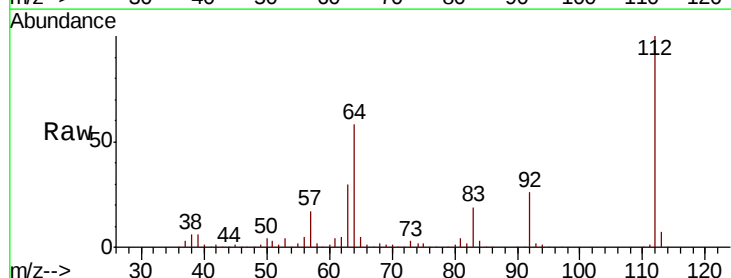
Tgt Ion:112 Resp: 274719

Ion Ratio Lower Upper

112 100

64 58.0 47.9 71.9

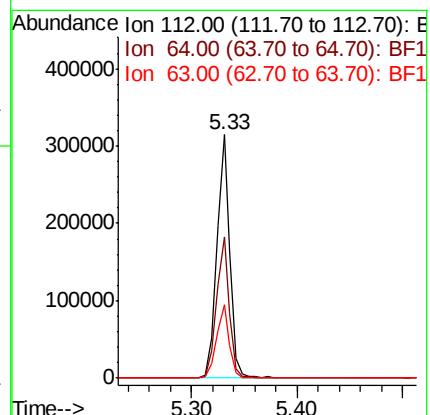
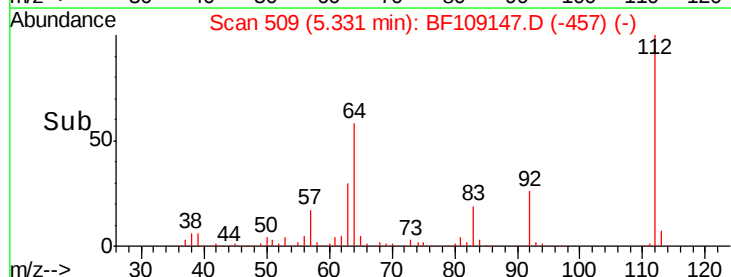
63 30.2 23.7 35.5



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: 46.338 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampleId :

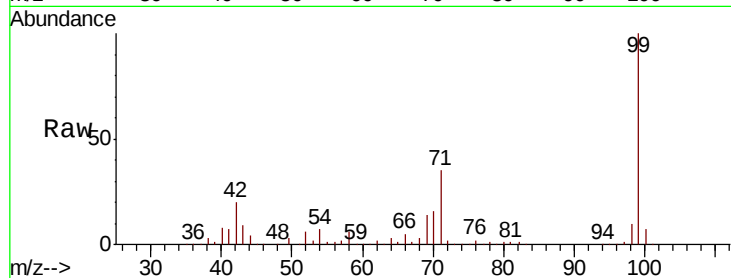
Tot Ion: 99 Resp: 452826

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

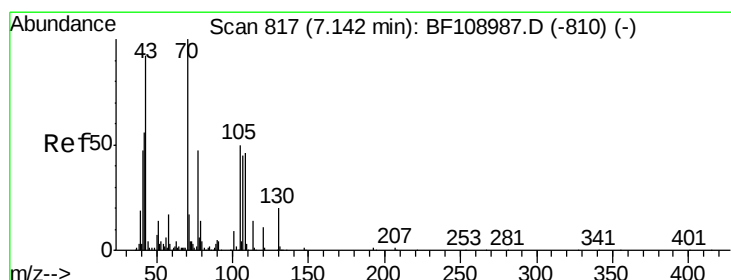
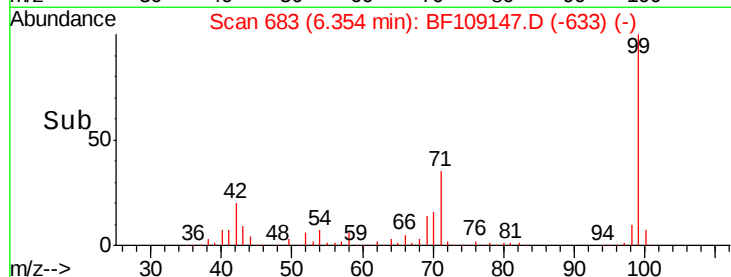
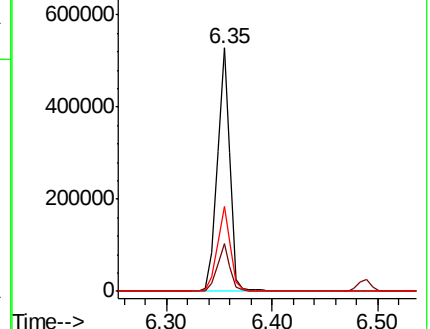
71 35.1 25.4 38.0



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: 5.651 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Tgt Ion: 70 Resp: 36503

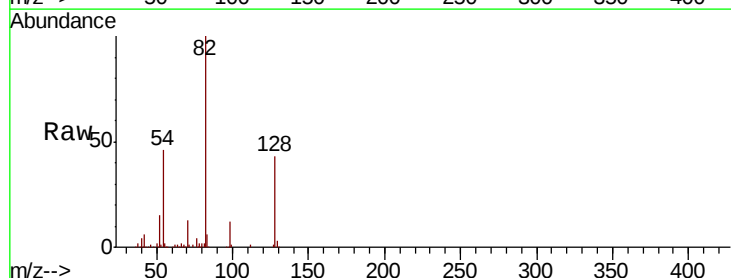
Ion Ratio Lower Upper

70 100

42 46.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

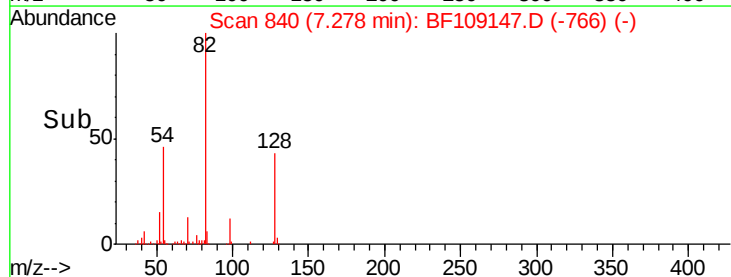
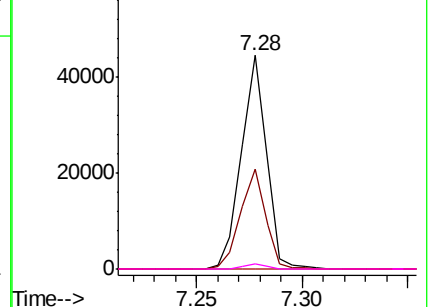


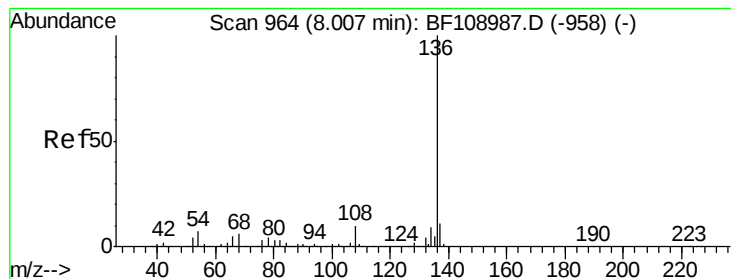
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 459349

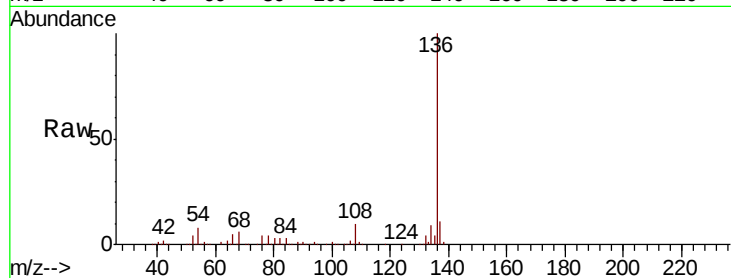
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.1 5.0 7.4

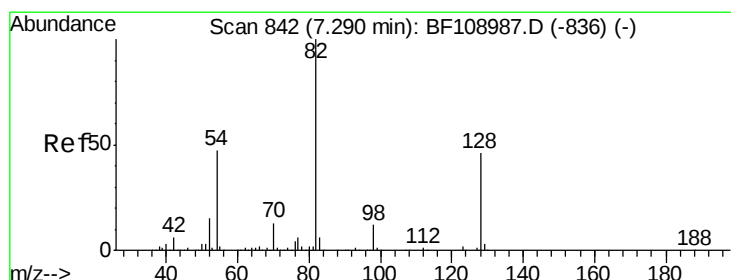
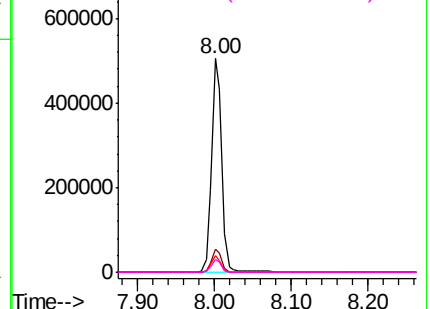
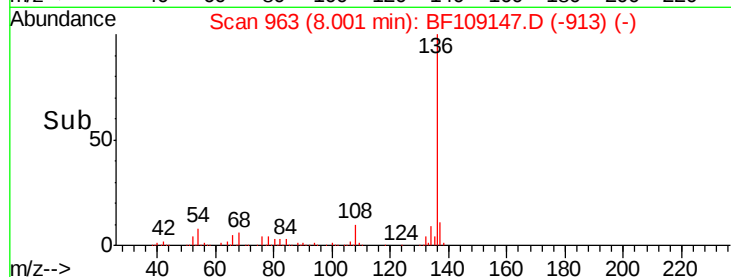


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.126 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

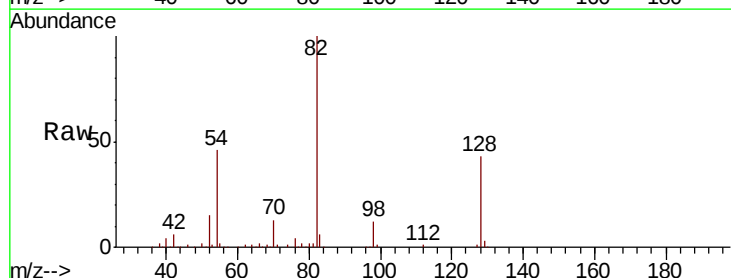
Tgt Ion: 82 Resp: 279487

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

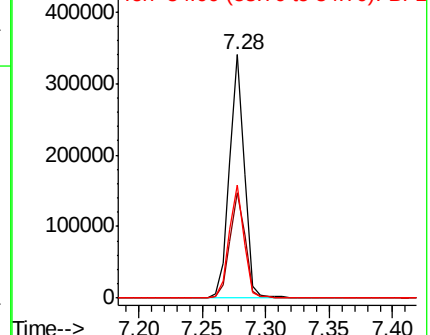
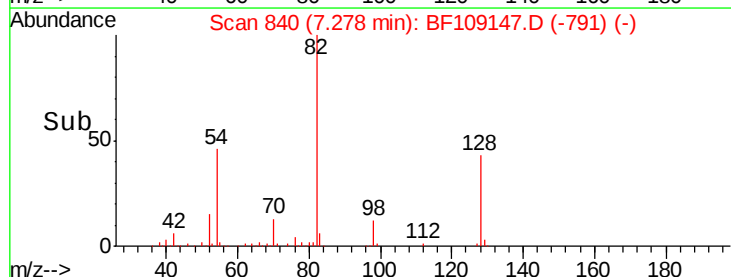
54 46.4 41.4 62.2

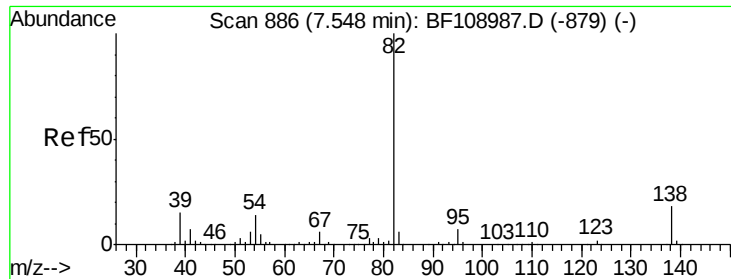


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

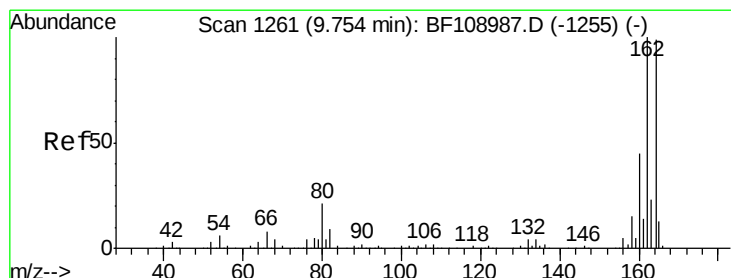
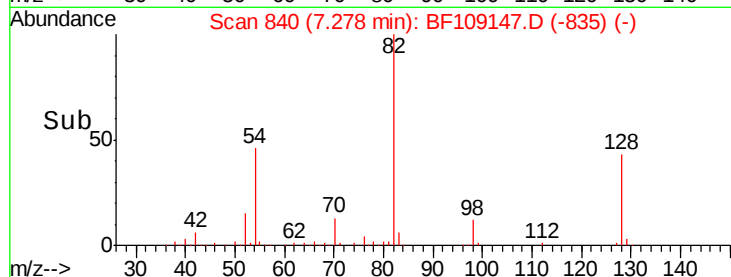
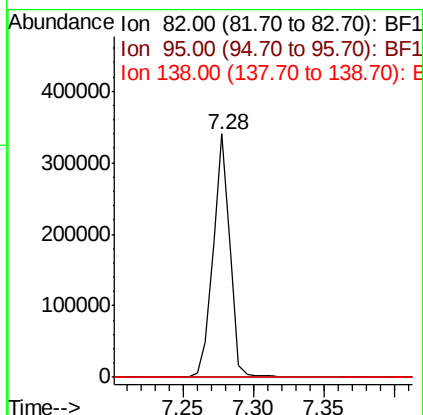
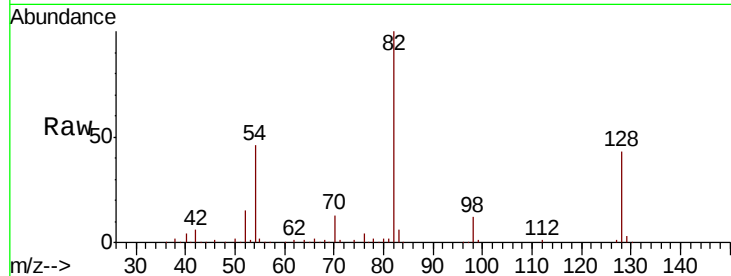




#25
Isophorone
Concen: 19.665 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

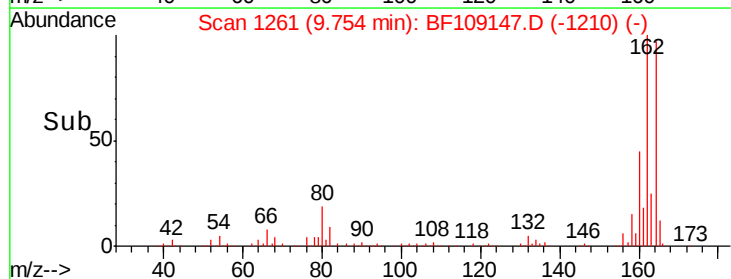
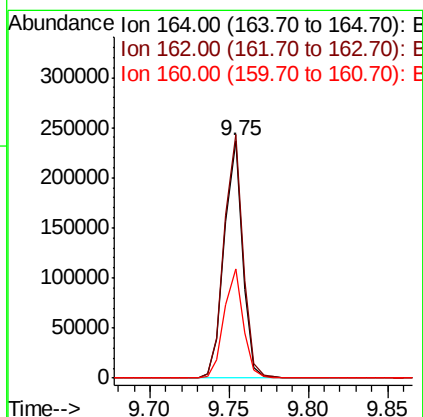
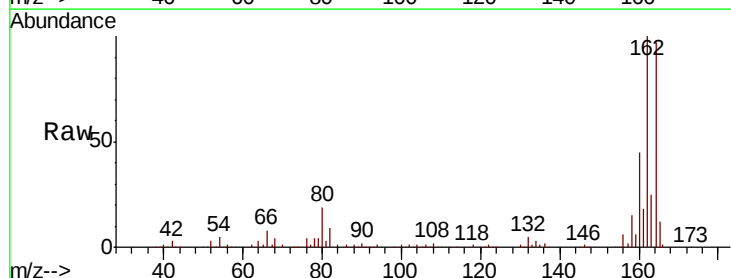
Instrument :
BNA_G
ClientSampleId :

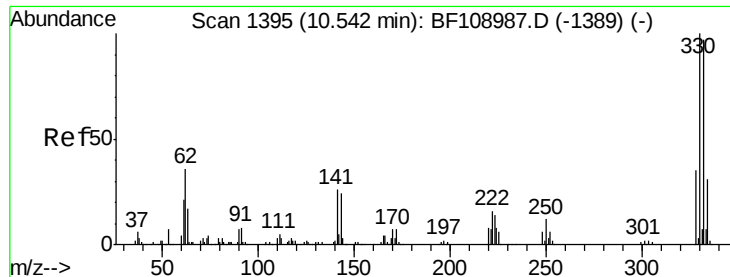
Tot Ion: 82 Resp: 276847
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Tgt Ion: 164 Resp: 191471
Ion Ratio Lower Upper
164 100
162 102.6 86.1 129.1
160 46.0 38.3 57.5

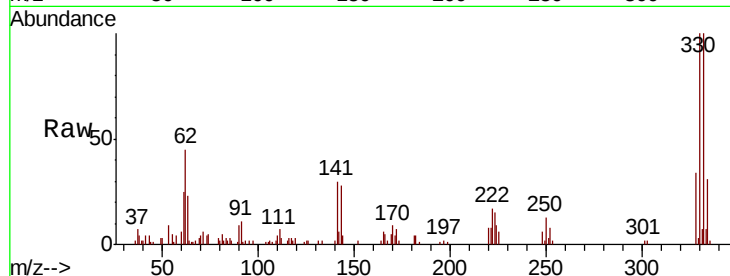




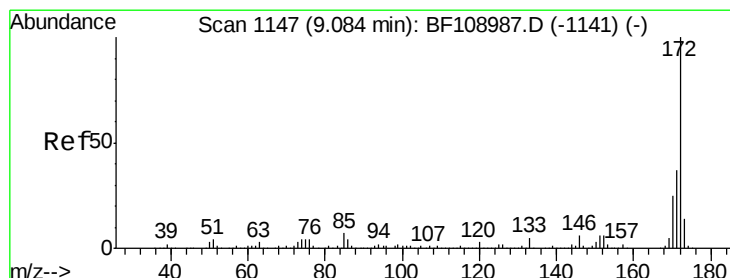
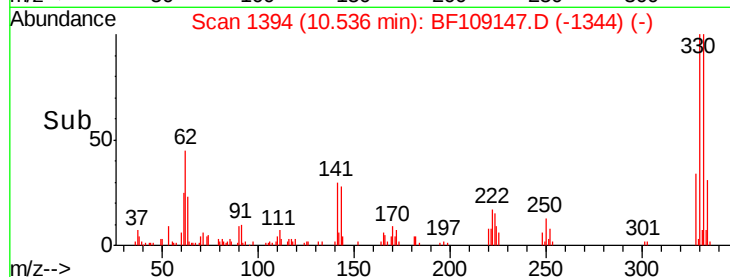
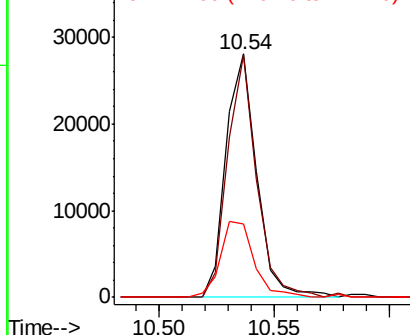
#41
 2,4,6-Tribromophenol
 Concen: 12.548 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109147.D
 Acq: 19 Sep 2018 16:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 26075
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 33.9 29.9 44.9

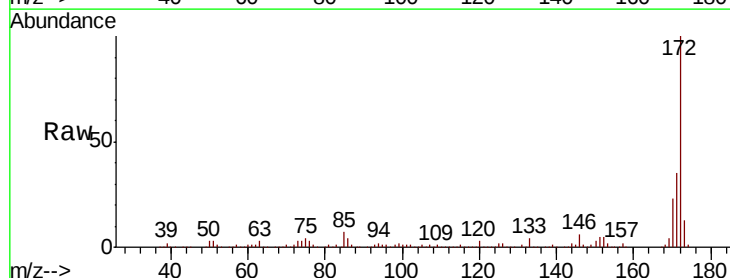


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

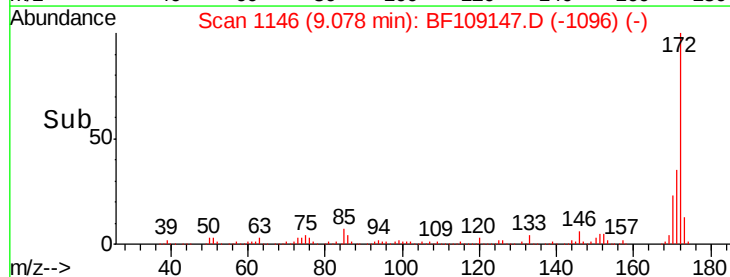
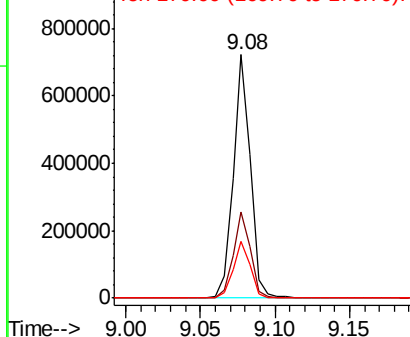


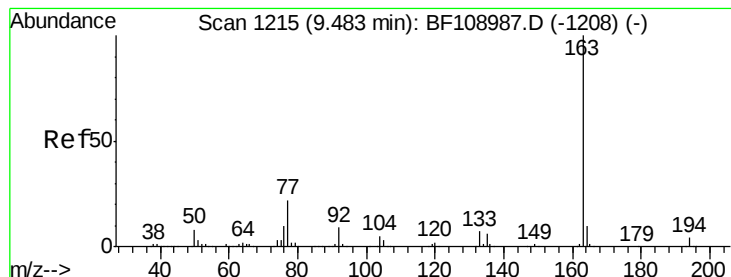
#44
 2-Fluorobiphenyl
 Concen: 48.223 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109147.D
 Acq: 19 Sep 2018 16:55

Tgt Ion:172 Resp: 589336
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 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: 5.722 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampleId :

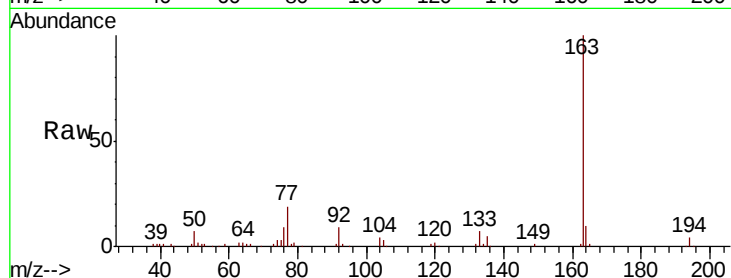
Tot Ion:163 Resp: 78305

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

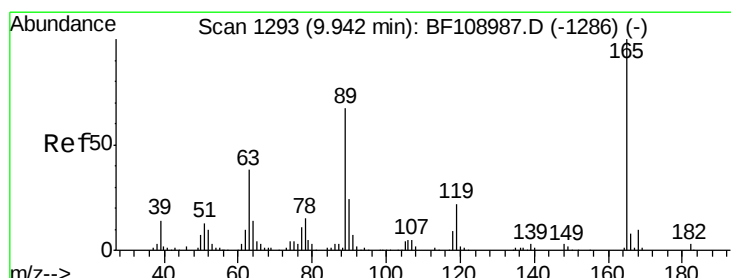
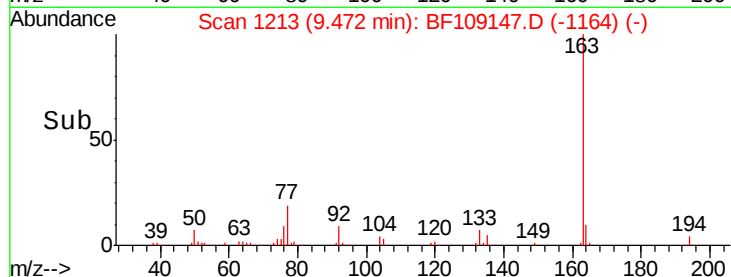
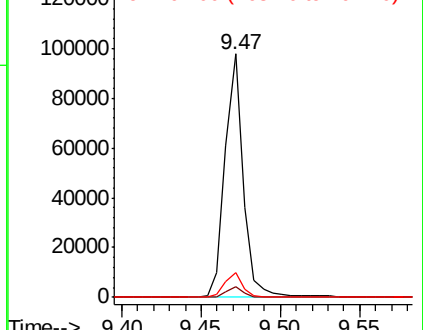
164 10.1 8.2 12.2



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: 6.209 ng

RT: 9.75 min Scan# 1261

Delta R.T. -0.19 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Tgt Ion:165 Resp: 24642

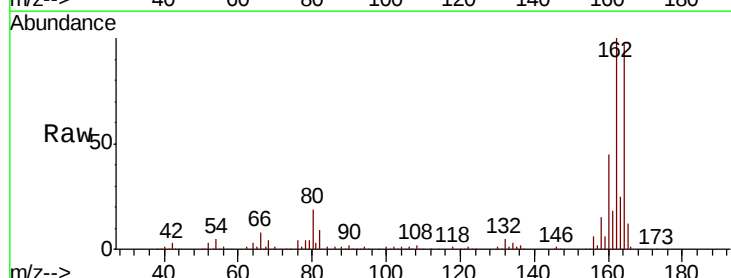
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

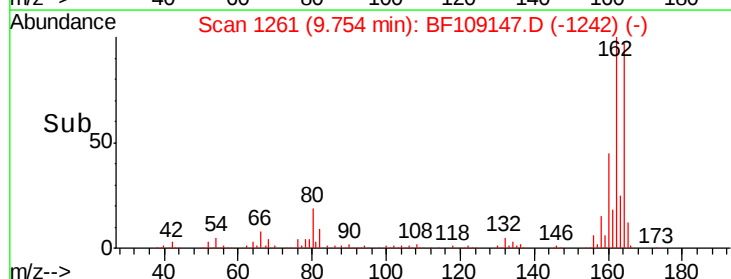
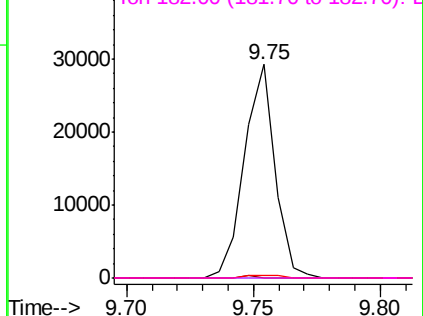


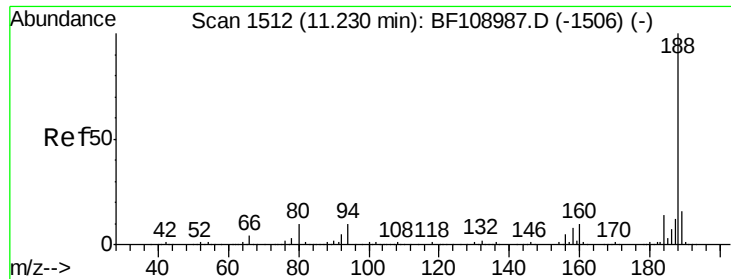
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

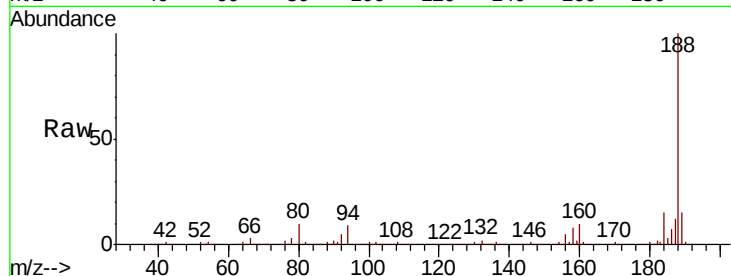




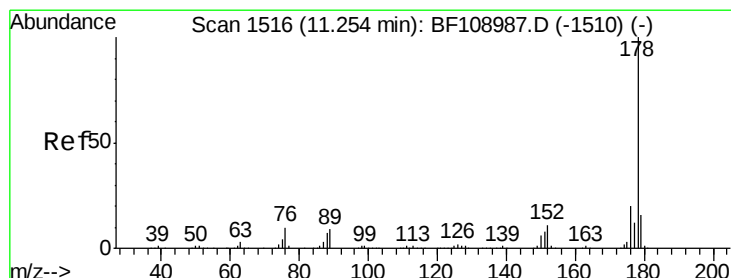
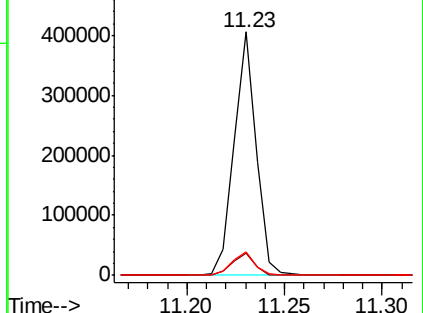
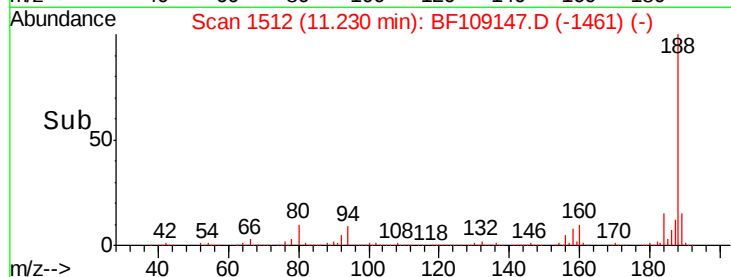
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 319653
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.7 9.2 13.8

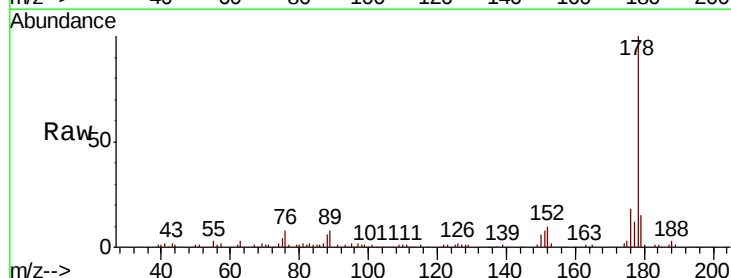


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

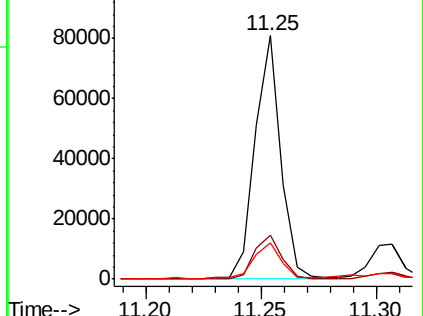
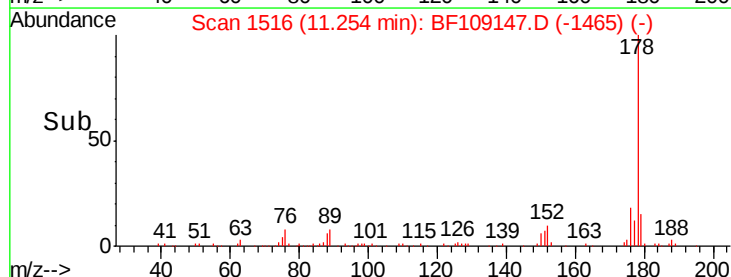


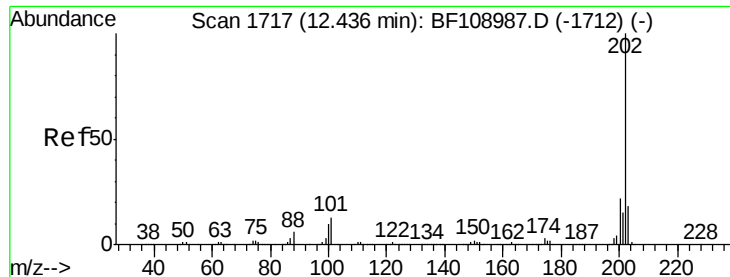
#70
Phenanthrene
Concen: 4.049 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Tgt Ion:178 Resp: 63452
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 14.7 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: 5.079 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampled :

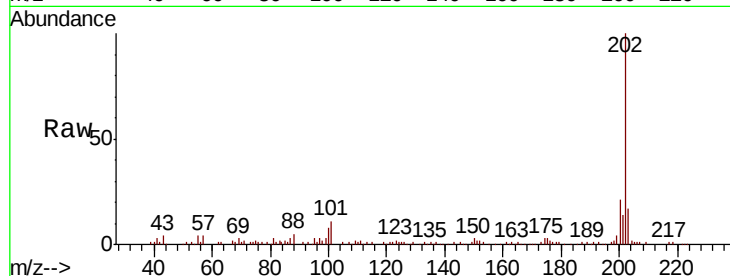
Tot Ion:202 Resp: 84013

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

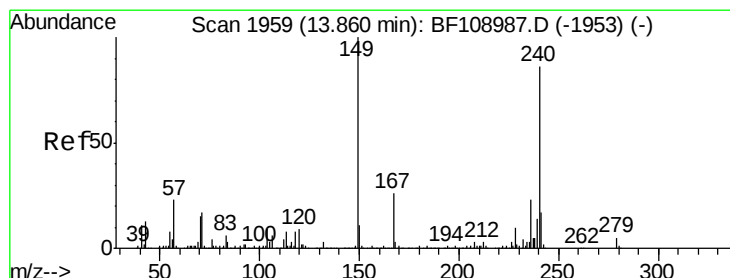
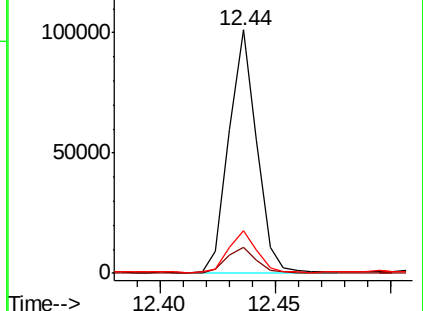
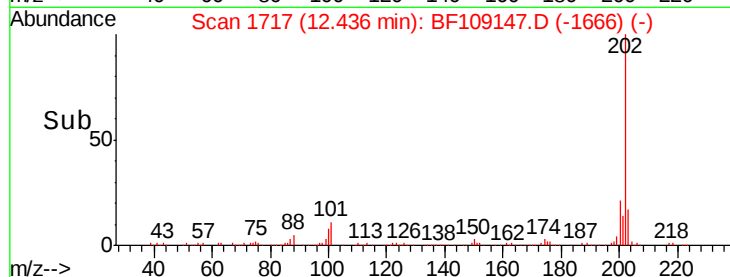
203 17.3 0.0 38.1



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: 13.86 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

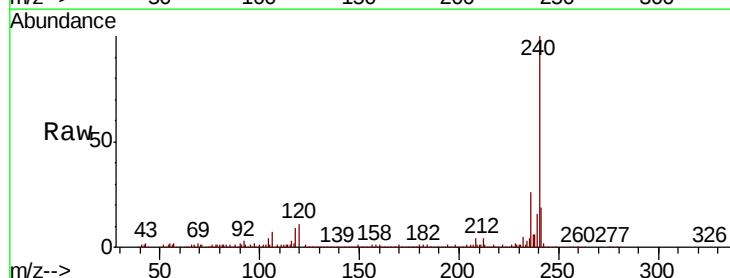
Tgt Ion:240 Resp: 321700

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

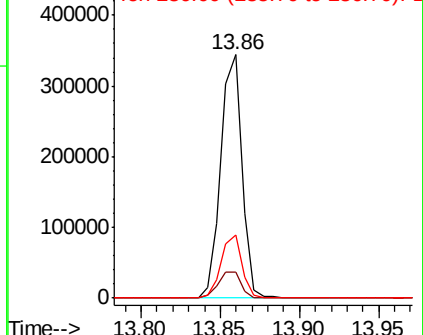
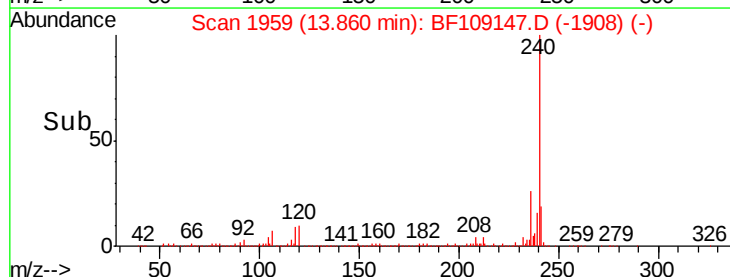
236 25.9 20.7 31.1

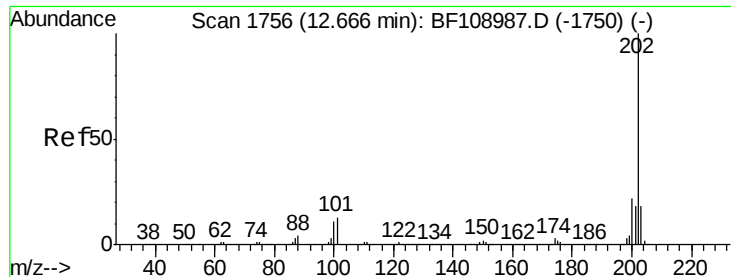


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.965 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampleId :

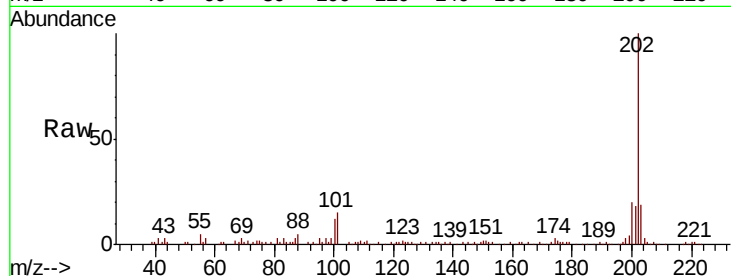
Tot Ion:202 Resp: 94743

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

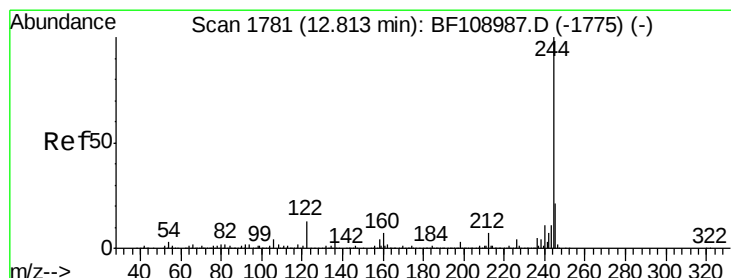
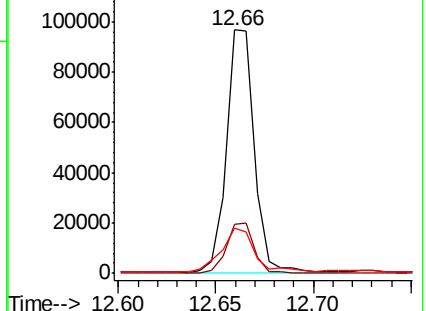
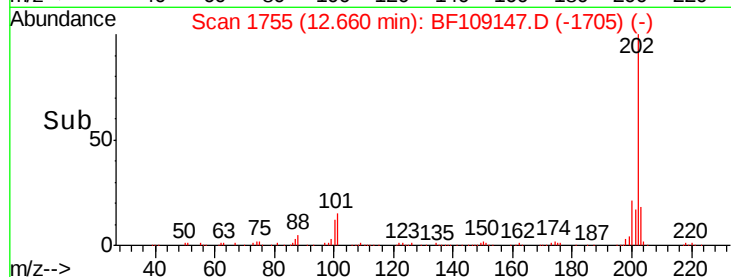
203 18.6 14.3 21.5



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: 37.190 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

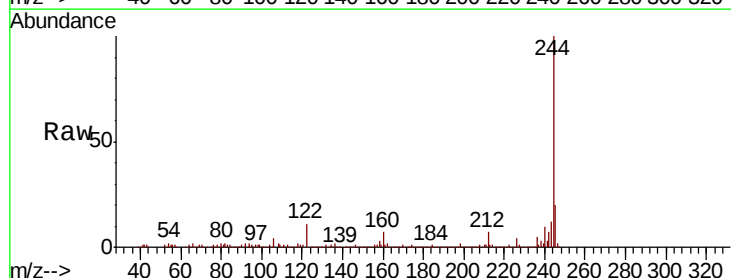
Tgt Ion:244 Resp: 504756

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

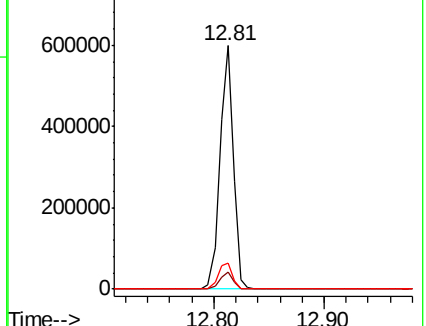
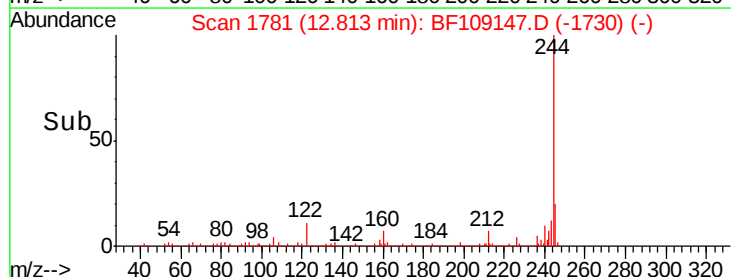
122 10.8 11.0 16.4#

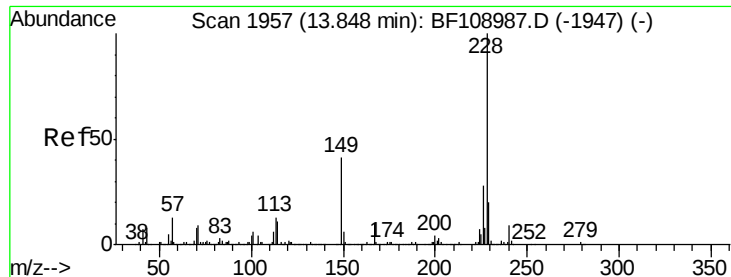


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.053 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

Instrument :

BNA_G

ClientSampled :

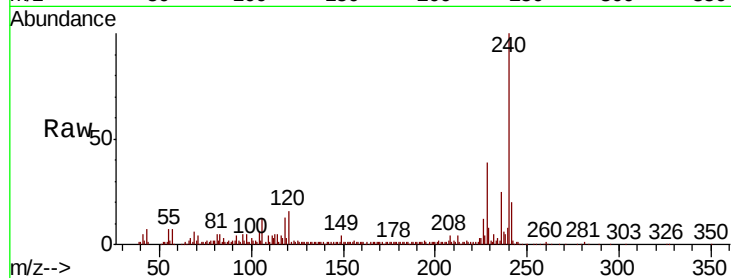
Tot Ion:228 Resp: 39988

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

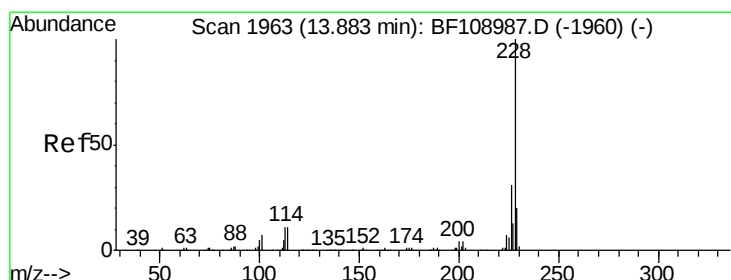
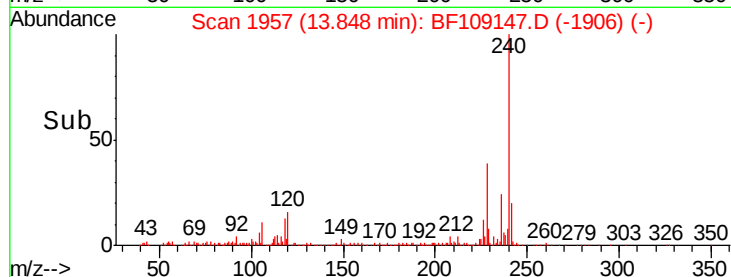
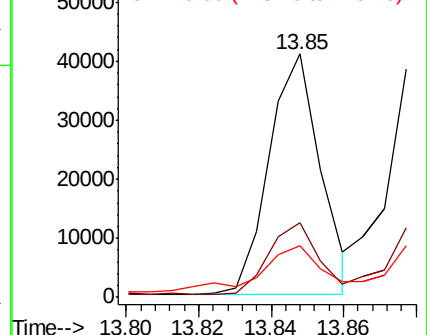
229 21.2 15.8 23.6



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: 2.277 ng

RT: 13.88 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

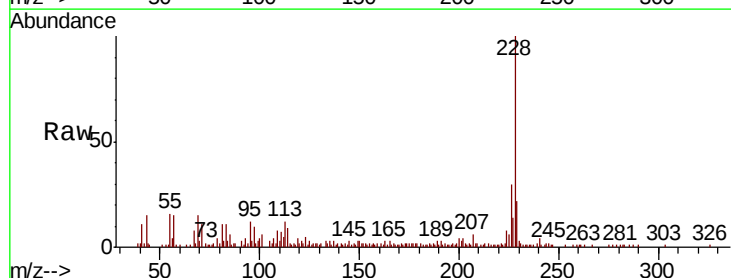
Tgt Ion:228 Resp: 44365

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

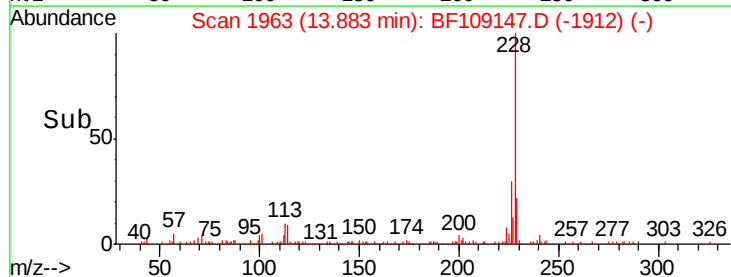
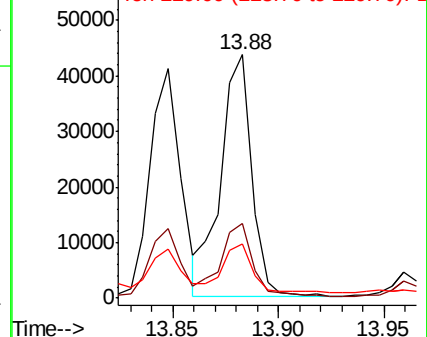
229 22.5 16.2 24.4

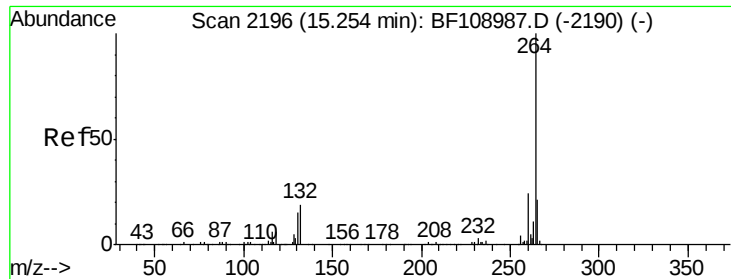


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

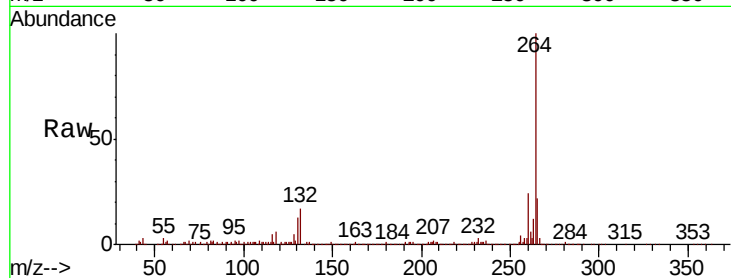




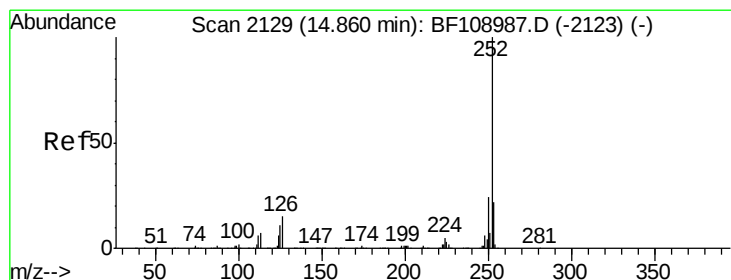
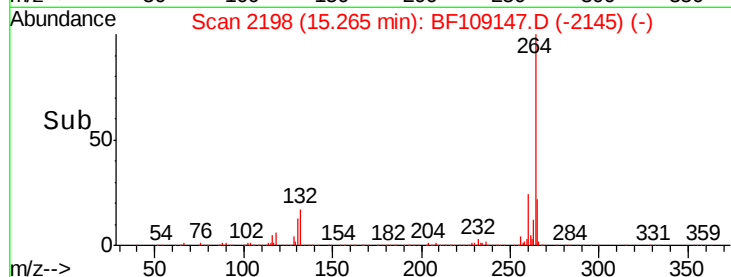
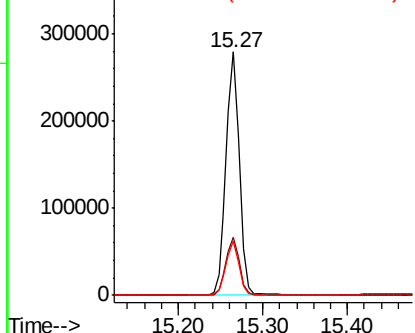
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3

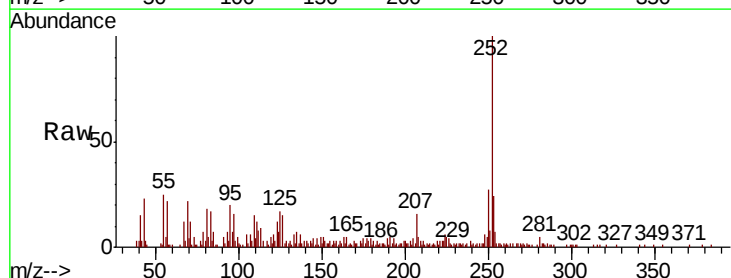


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

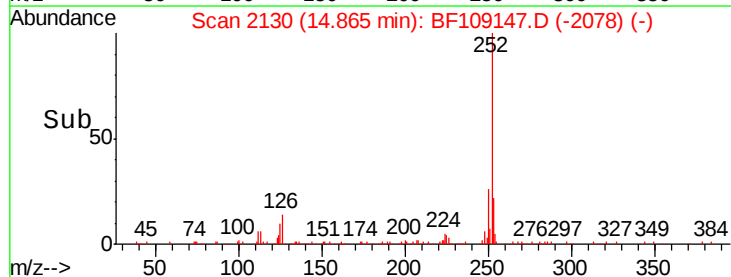
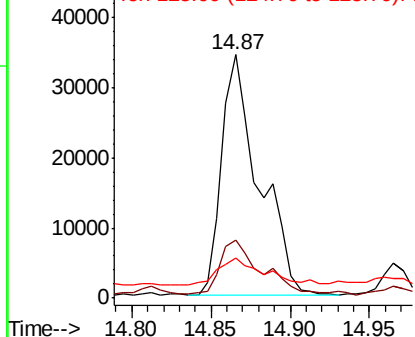


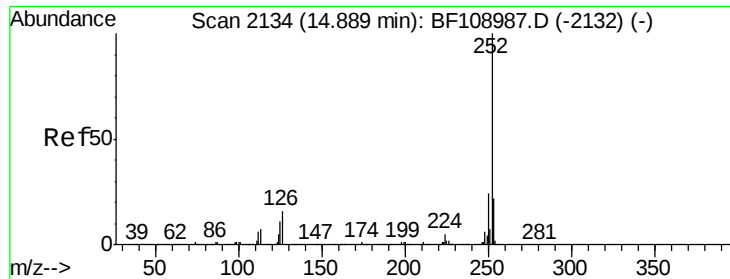
#87
Benzo(b)fluoranthene
Concen: 3.322 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
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

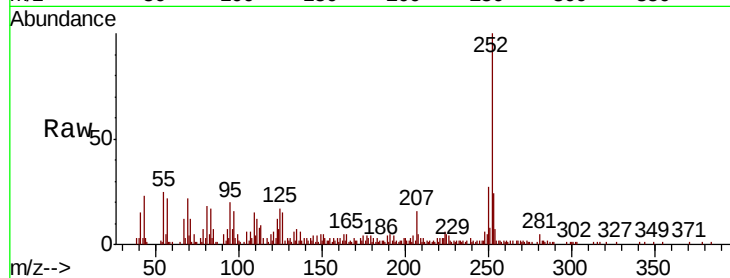




#88
Benzo(k)fluoranthene
Concen: 3.557 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.7	10.2	15.2

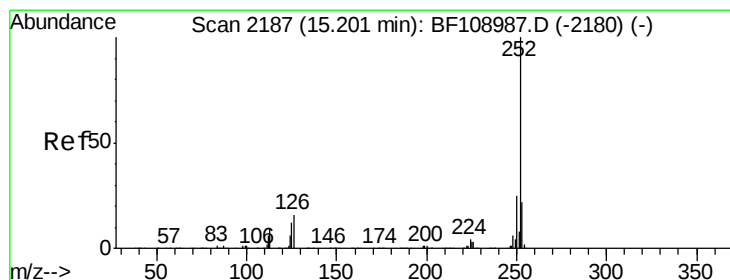
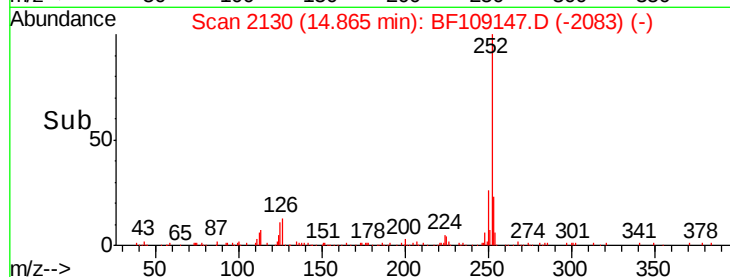
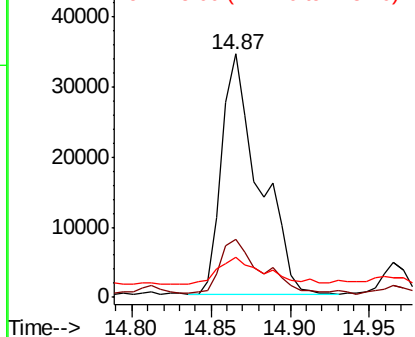


Abundance

Ion 252.00 (251.70 to 252.70): E

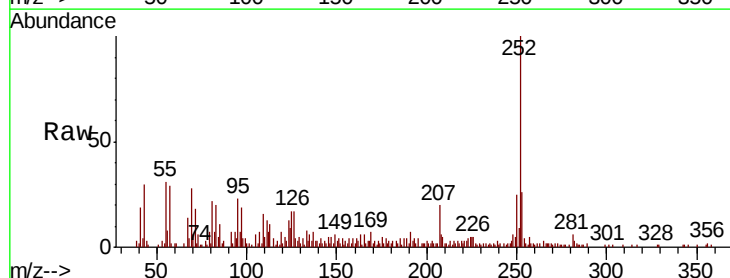
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.287 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	17.4	9.8	14.6



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

