

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_F
 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

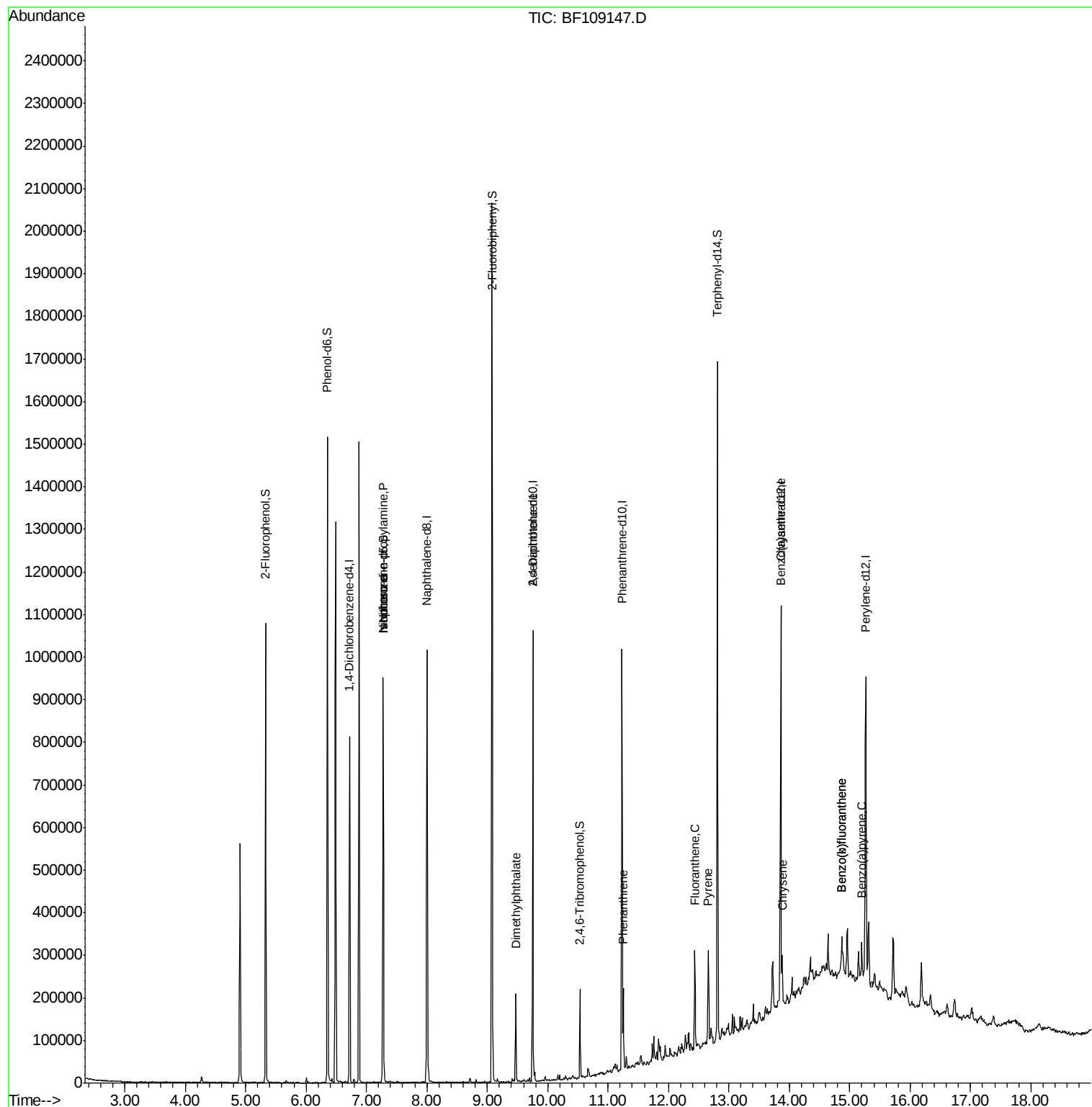
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	36503	5.651	ng	# 77
25) Isophorone	7.28	82	276847	19.665	ng	# 64
49) Dimethylphthalate	9.47	163	78305	5.722	ng	# 99
56) 2,4-Dinitrotoluene	9.75	165	24642	6.209	ng	# 22
70) Phenanthrene	11.25	178	63452	4.049	ng	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

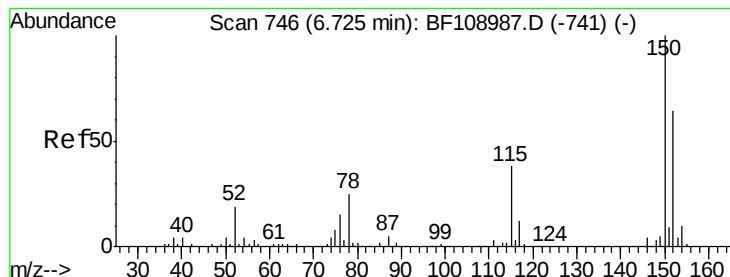
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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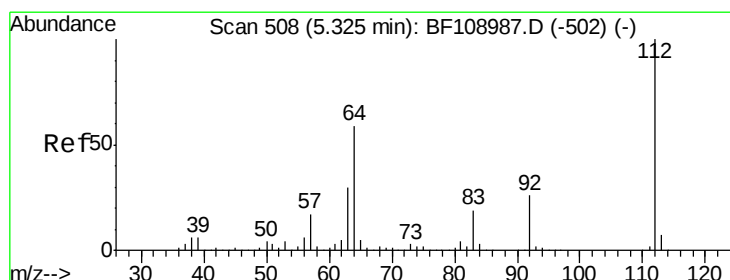
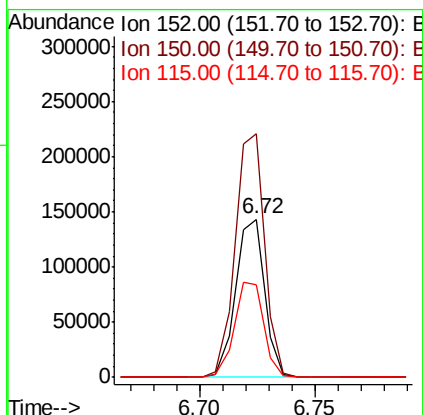
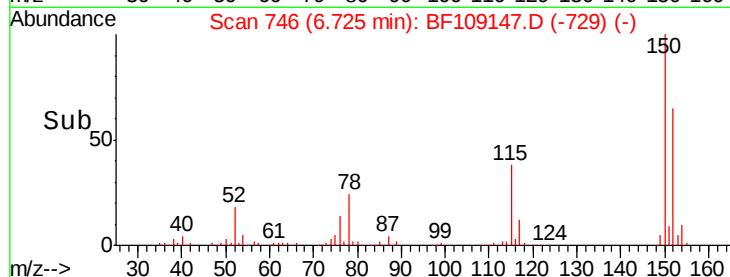
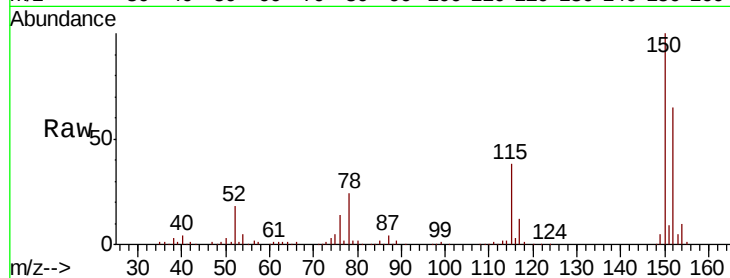


#1

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_F
ClientSampled :

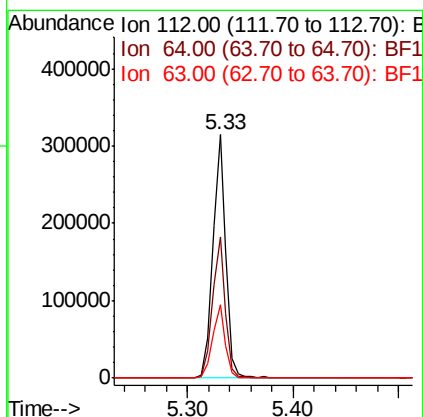
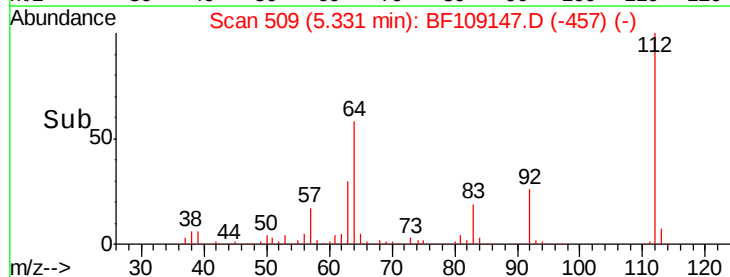
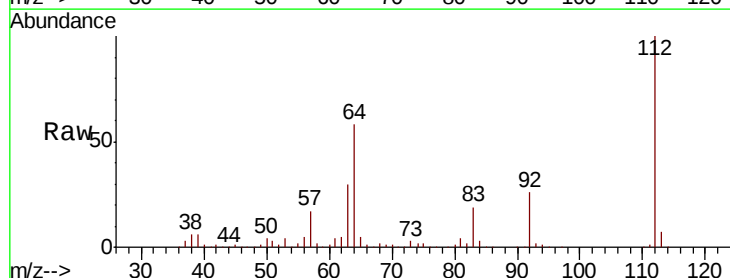
Tot Ion:152 Resp: 125872
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 58.2 50.1 75.1

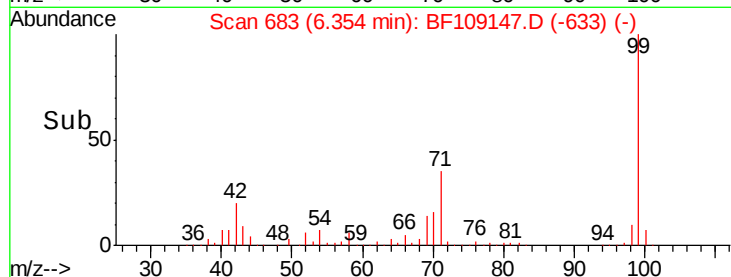
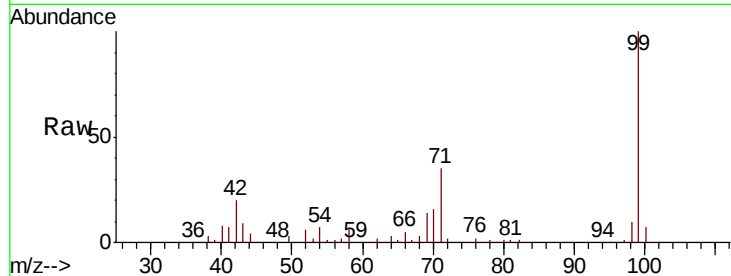
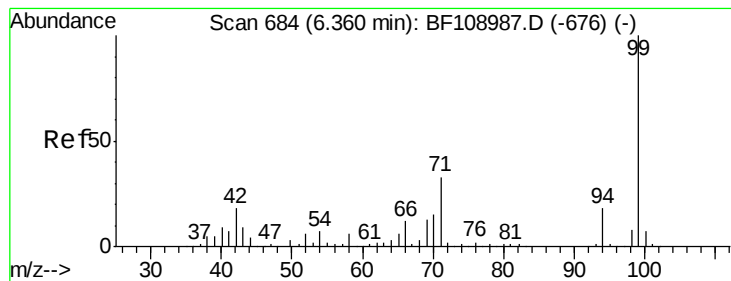


#5

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





#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_F

ClientSampleId :

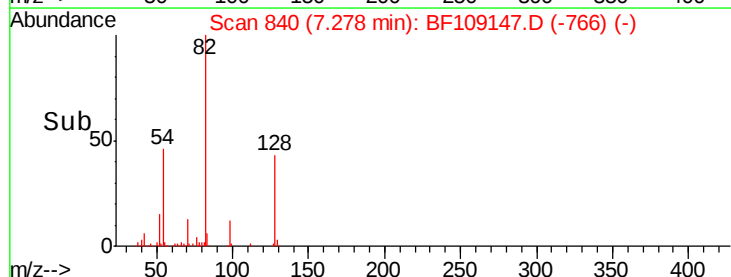
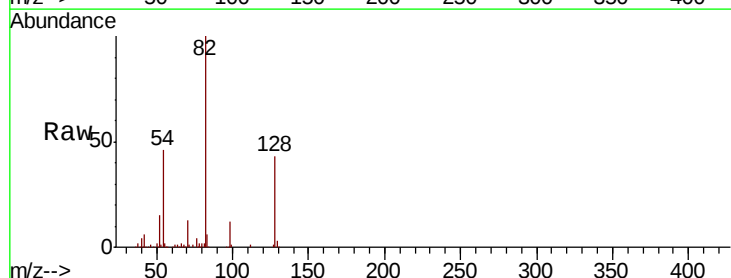
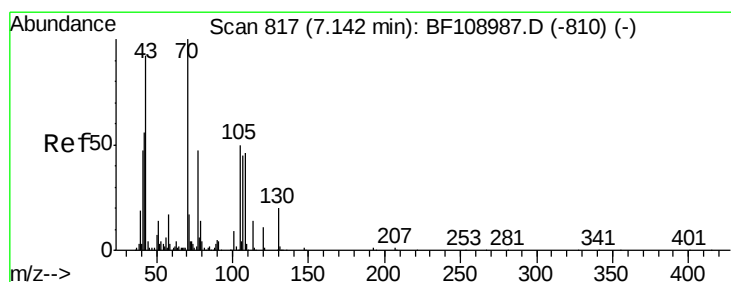
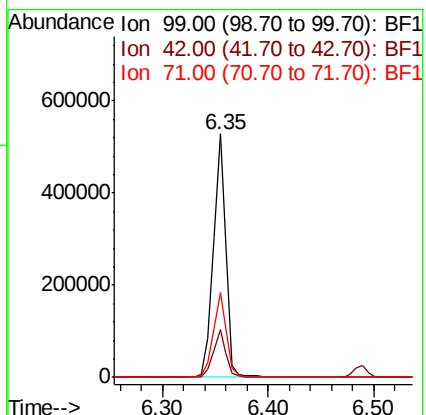
Tot Ion: 99 Resp: 452826

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 35.1 25.4 38.0



#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

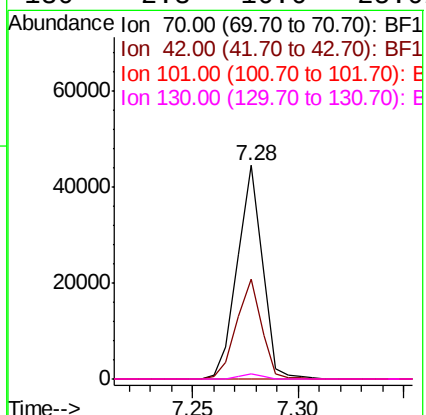
Ion Ratio Lower Upper

70 100

42 46.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#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_F

ClientSampleId :

Tot Ion:136 Resp: 459349

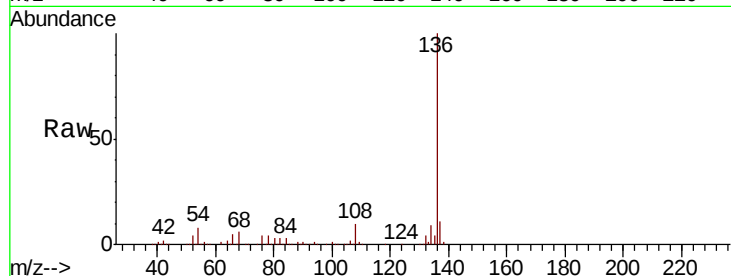
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.1 5.0 7.4

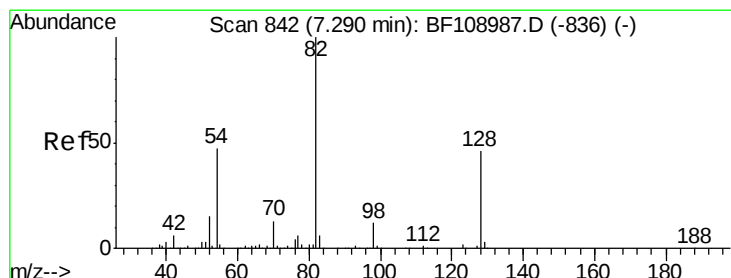
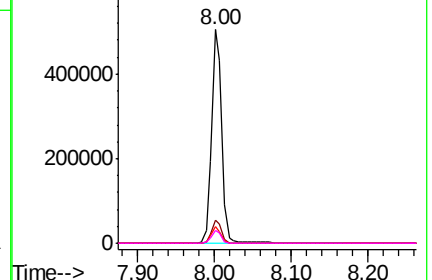
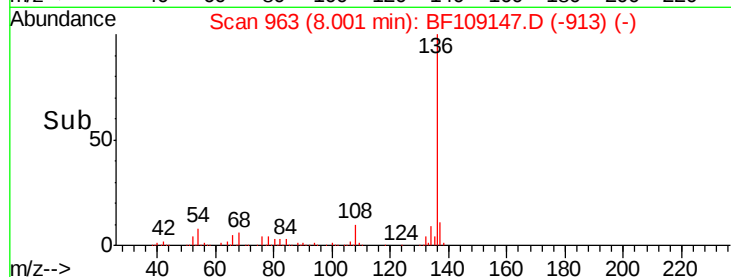


Abundance Ion 136.00 (135.70 to 136.70): E

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

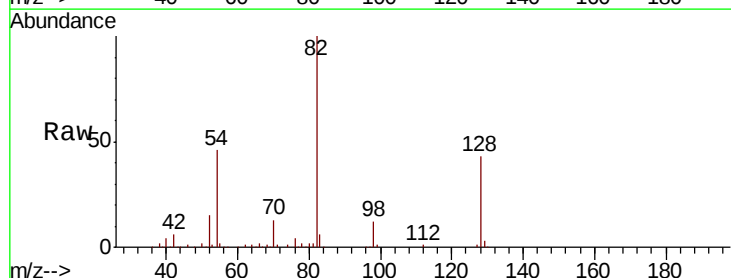
Tgt Ion: 82 Resp: 279487

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

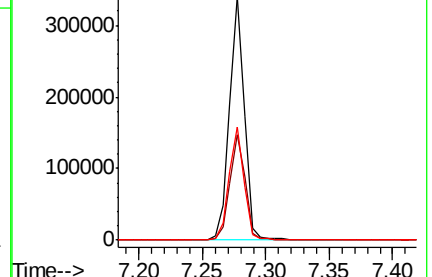
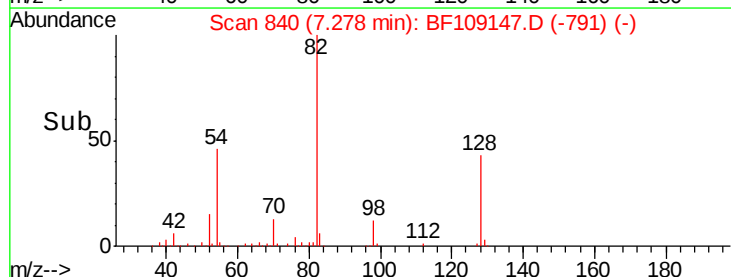
54 46.4 41.4 62.2

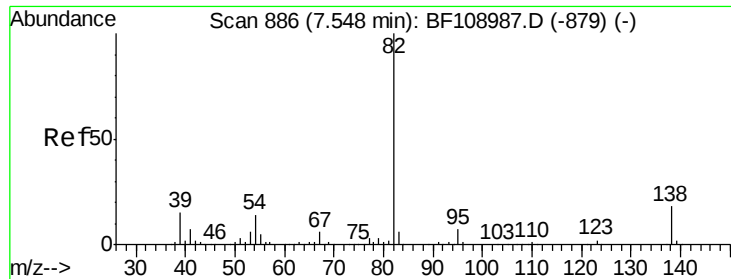


Abundance Ion 82.00 (81.70 to 82.70): BF1

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_F

ClientSampled :

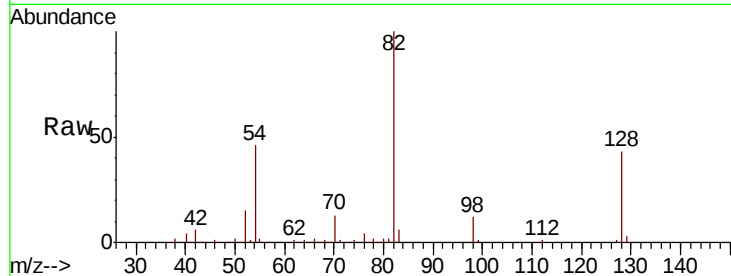
Tot Ion: 82 Resp: 276847

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

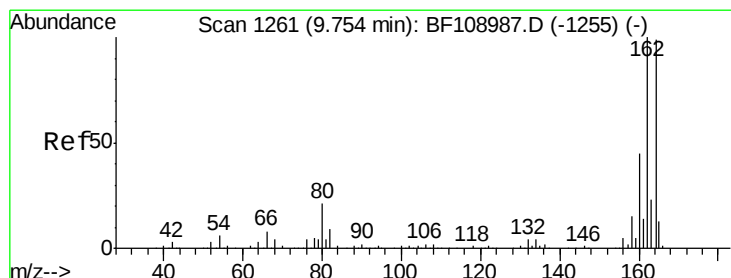
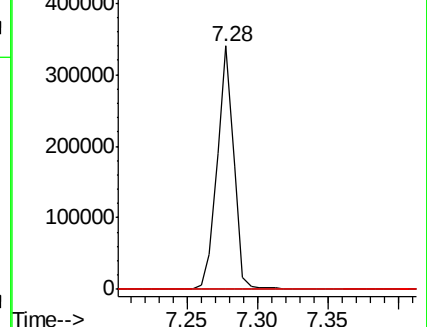
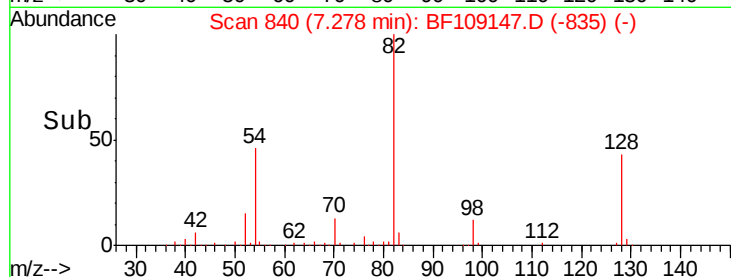
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF109147.D

Acq: 19 Sep 2018 16:55

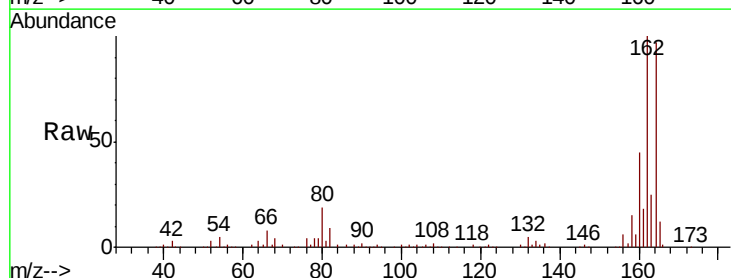
Tgt Ion: 164 Resp: 191471

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

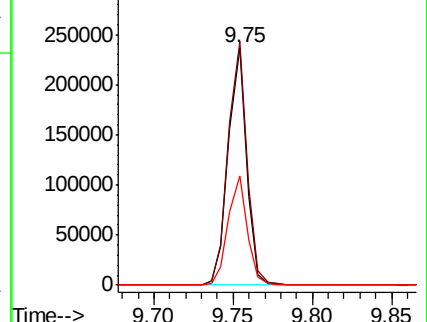
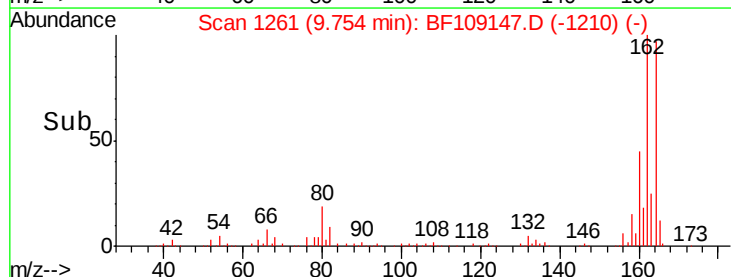
160 46.0 38.3 57.5

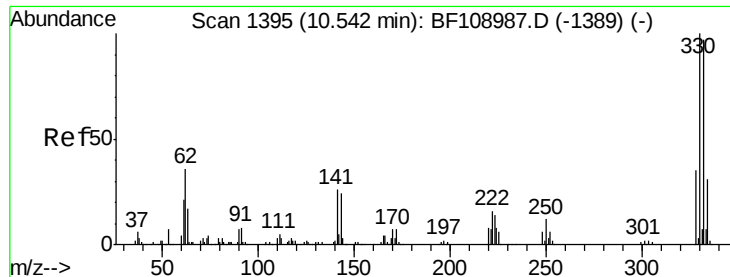


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

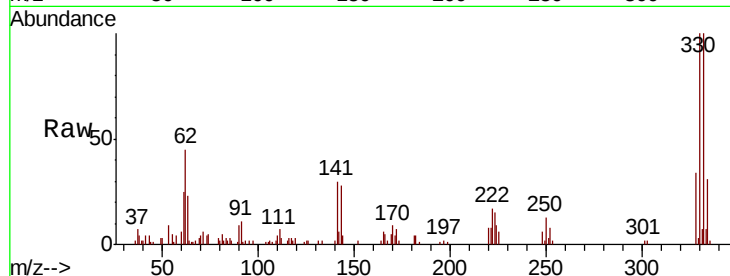




#41
 2,4,6-Tribromophenol
 Concen: 12.548 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109147.D
 Acq: 19 Sep 2018 16:55

Instrument :
 BNA_F
 ClientSampleId :

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

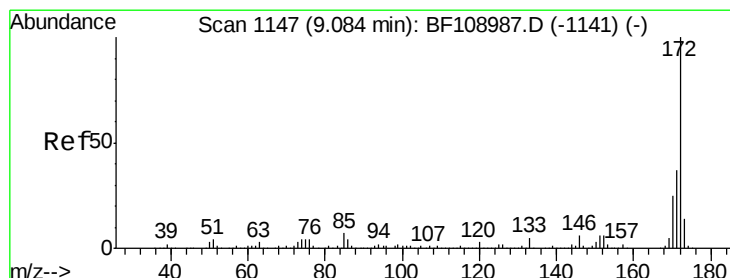
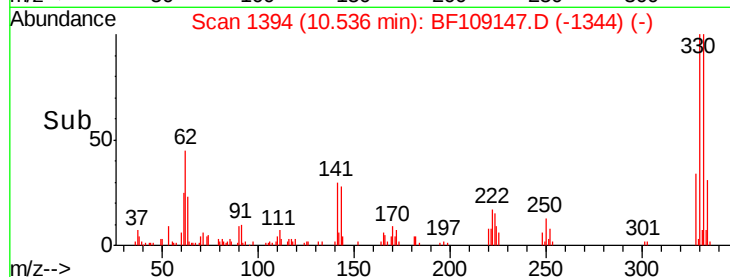
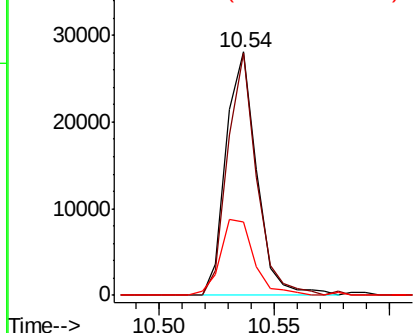


Abundance

Ion 329.80 (329.50 to 330.50): E

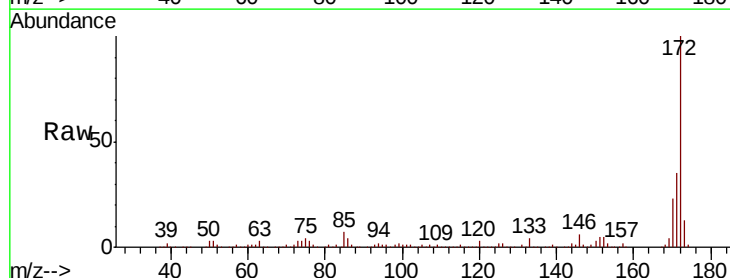
Ion 331.80 (331.50 to 332.50): E

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	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.3	19.6	29.4

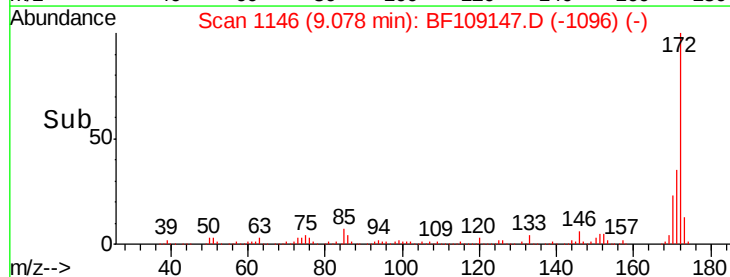
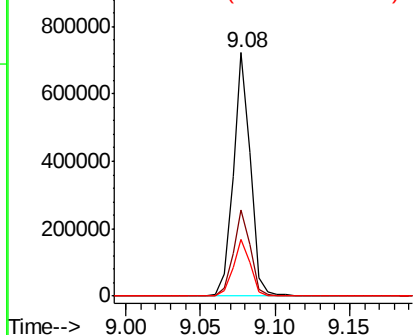


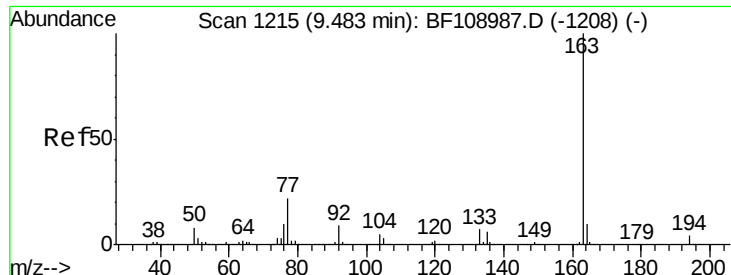
Abundance

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

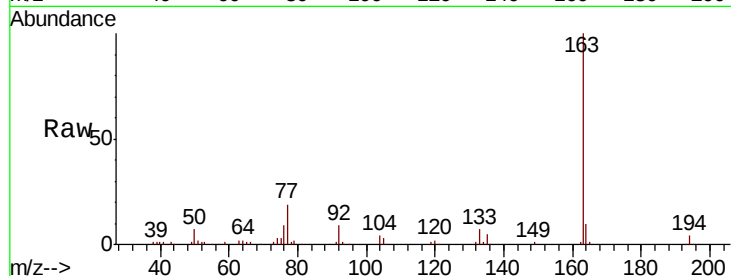




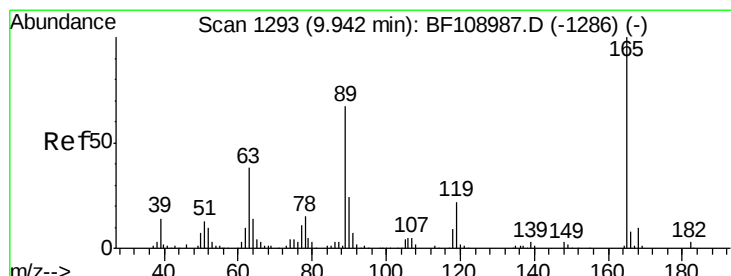
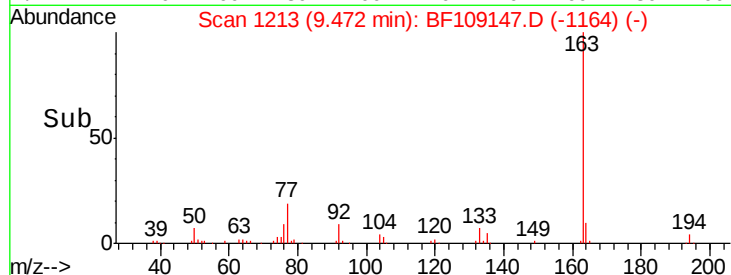
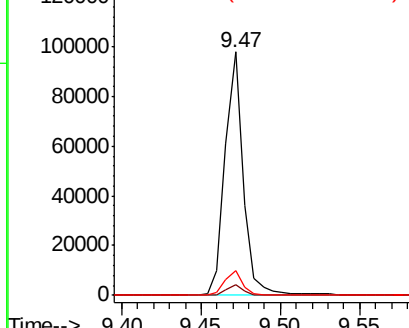
#49
Dimethylphthalate
Concen: 5.722 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Instrument :
BNA_F
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

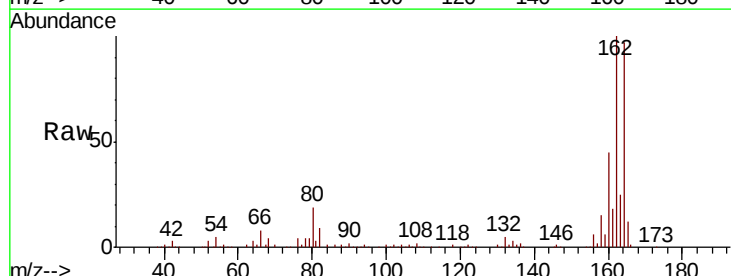


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

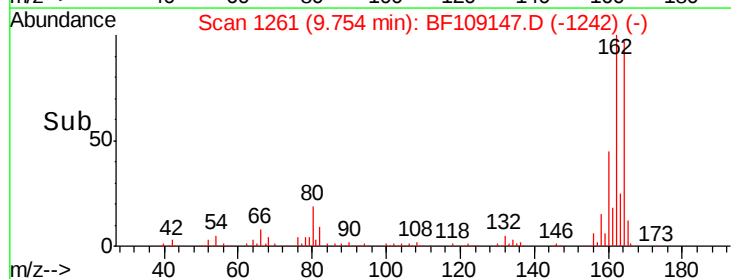
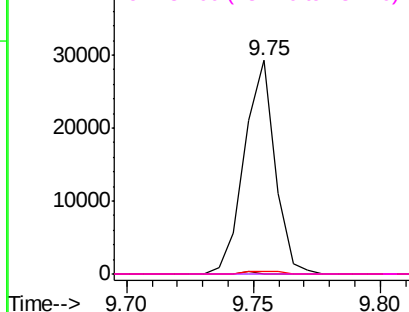


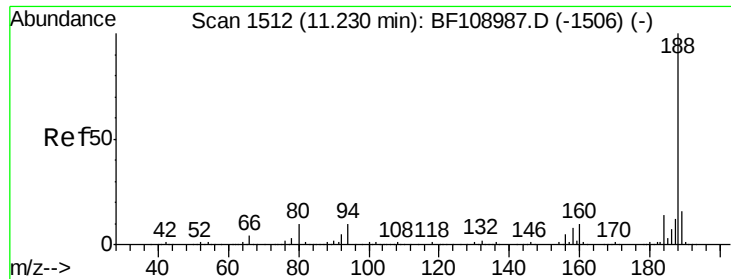
#56
2,4-Dinitrotoluene
Concen: 6.209 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.19 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

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

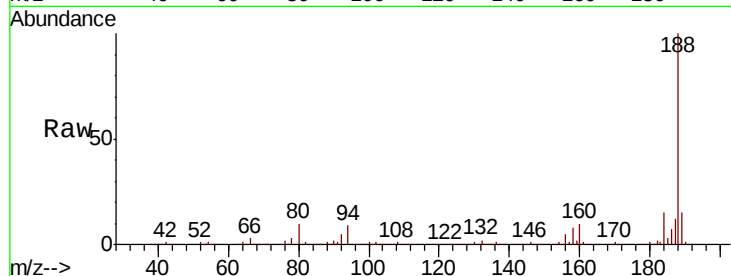




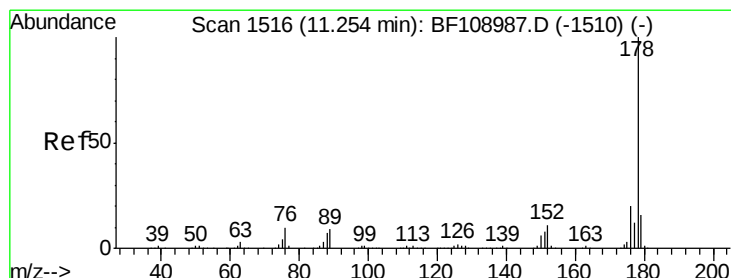
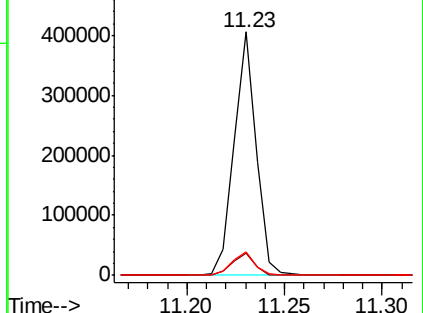
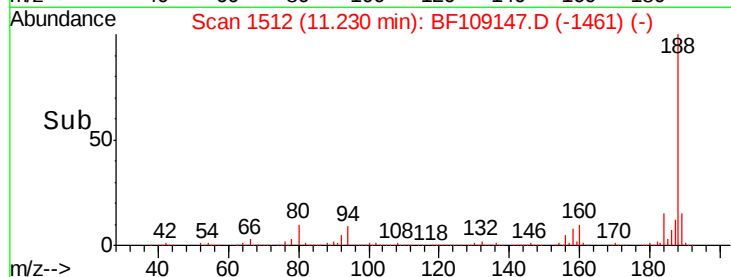
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109147.D
 Acq: 19 Sep 2018 16:55

Instrument :
 BNA_F
 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

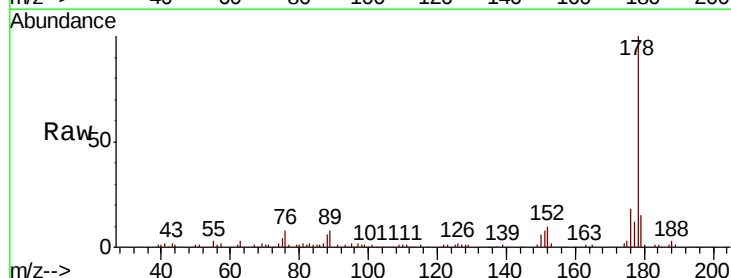


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

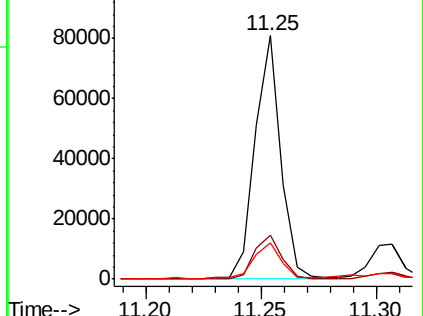
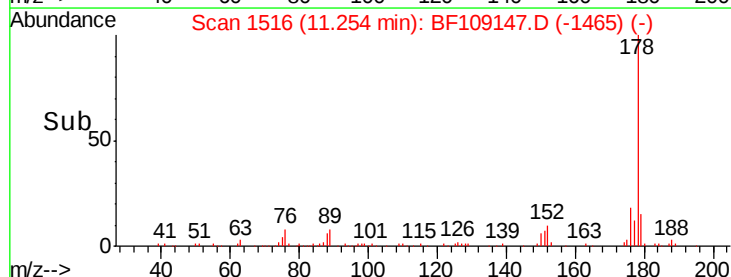


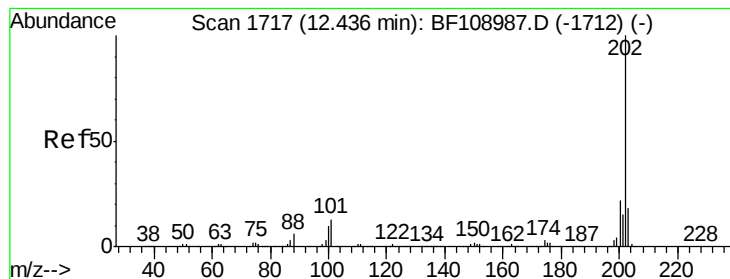
#70
 Phenanthrene
 Concen: 4.049 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109147.D
 Acq: 19 Sep 2018 16:55

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_F

ClientSampled :

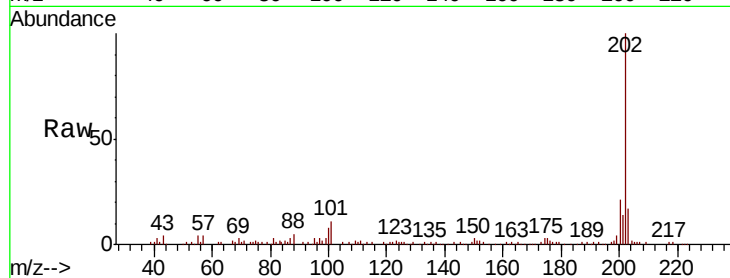
Tot Ion:202 Resp: 84013

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

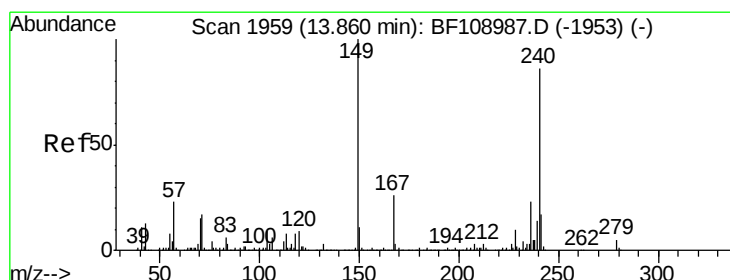
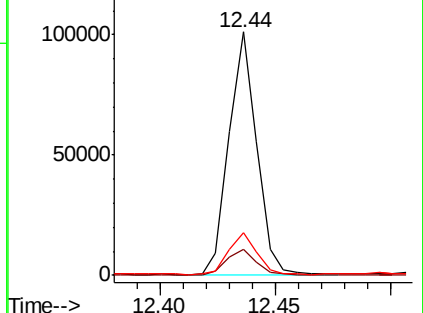
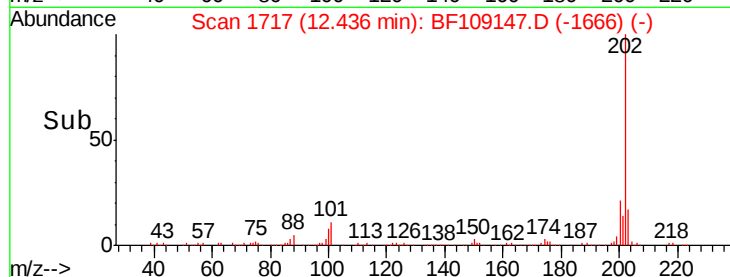
203 17.3 0.0 38.1



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

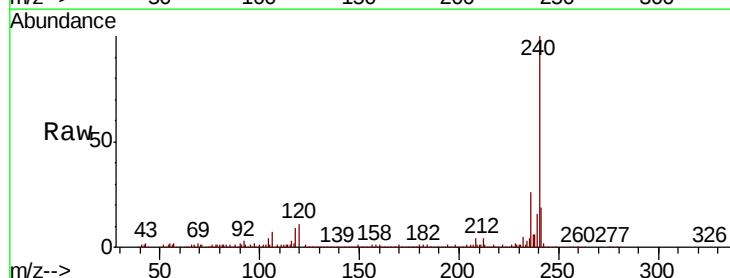
Tgt Ion:240 Resp: 321700

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

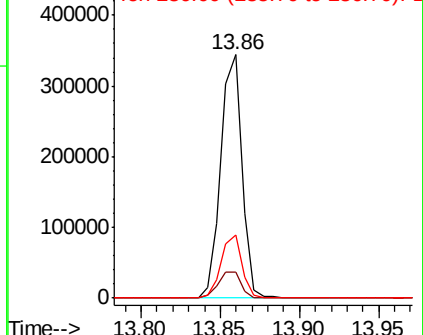
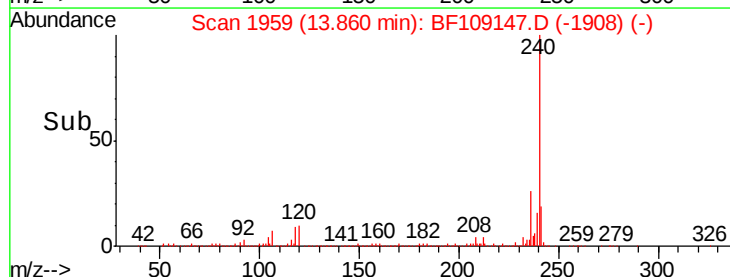
236 25.9 20.7 31.1

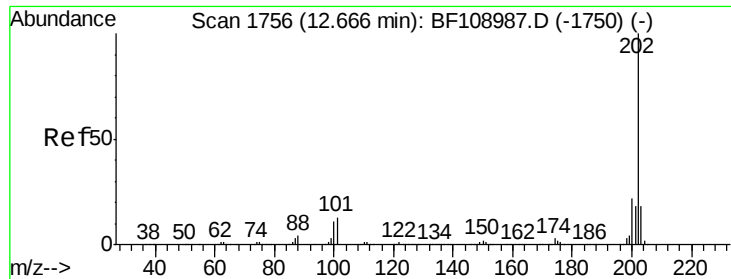


Abundance Ion 240.00 (239.70 to 240.70): E

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_F

ClientSampleId :

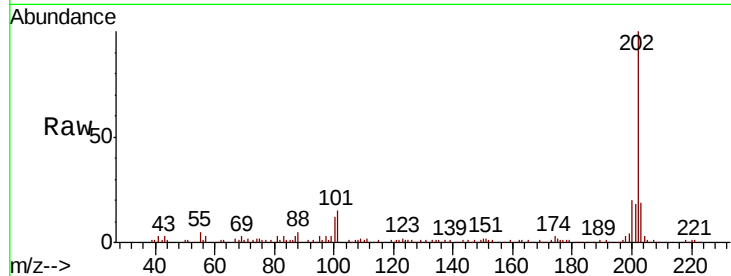
Tot Ion:202 Resp: 94743

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

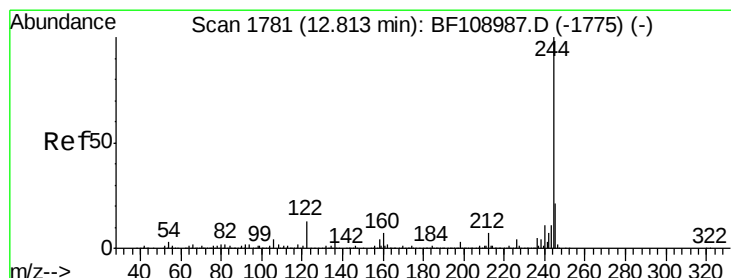
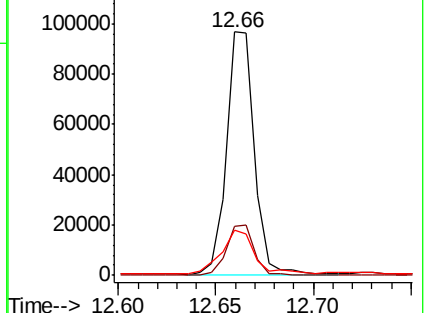
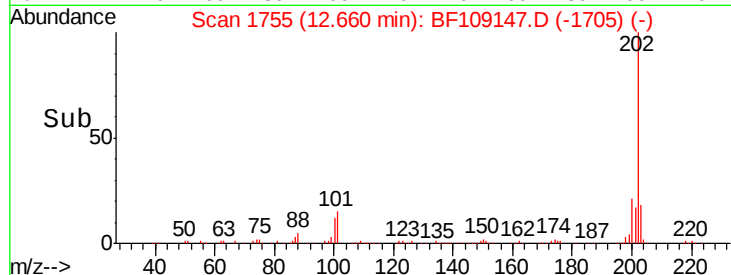
203 18.6 14.3 21.5



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

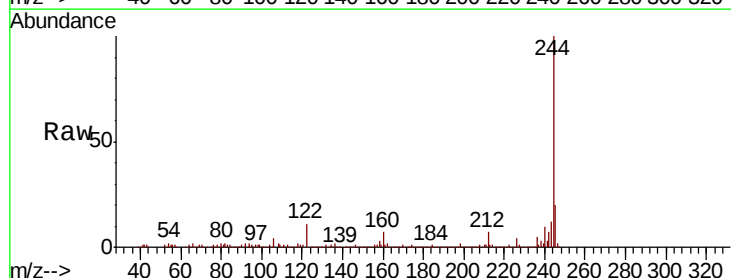
Tgt Ion:244 Resp: 504756

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

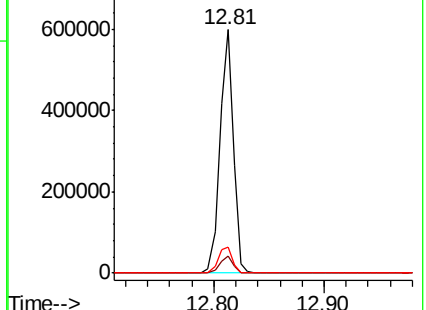
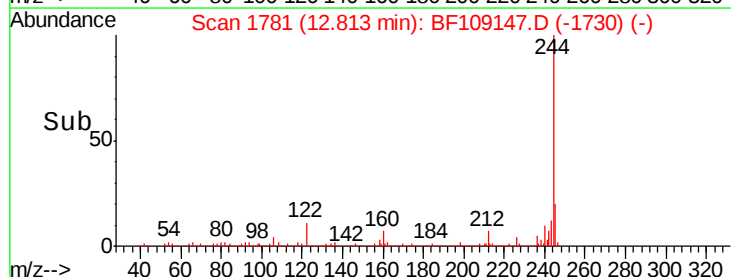
122 10.8 11.0 16.4#

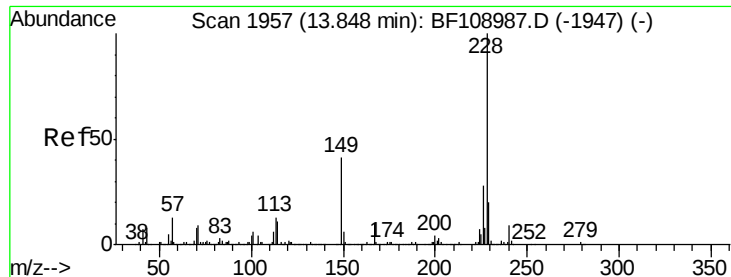


Abundance Ion 244.00 (243.70 to 244.70): E

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_F

ClientSampled :

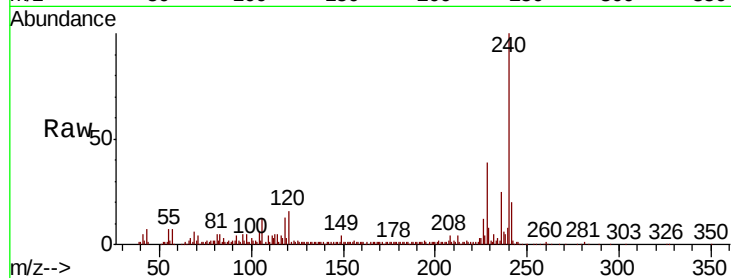
Tot Ion:228 Resp: 39988

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

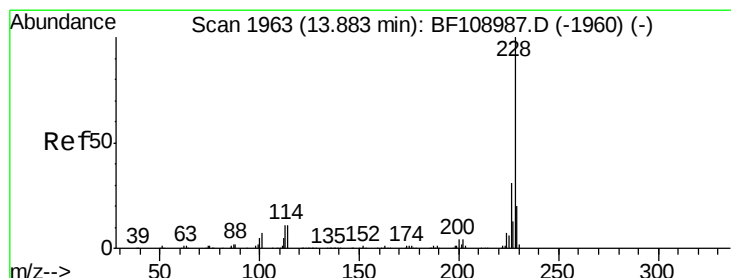
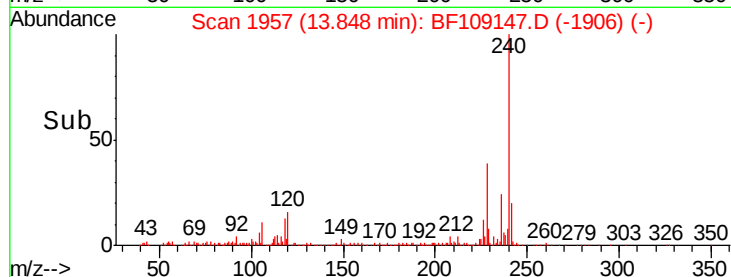
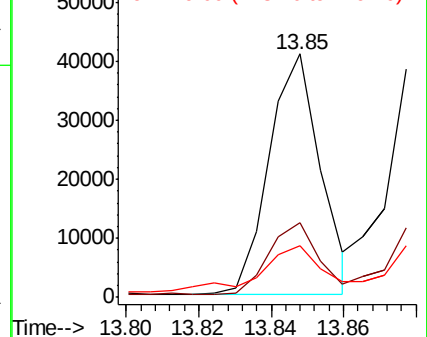
229 21.2 15.8 23.6



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

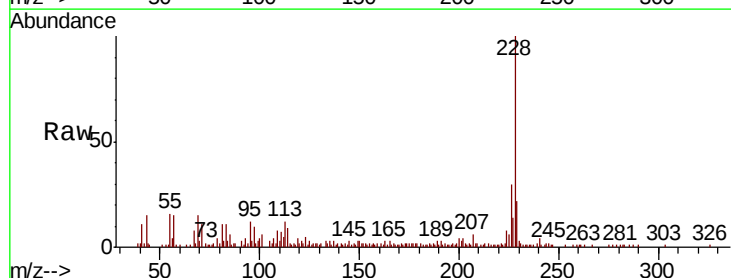
Tgt Ion:228 Resp: 44365

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

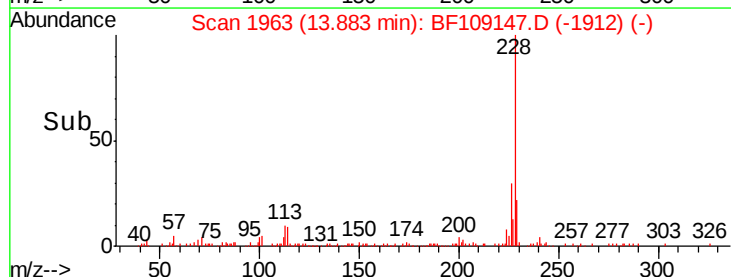
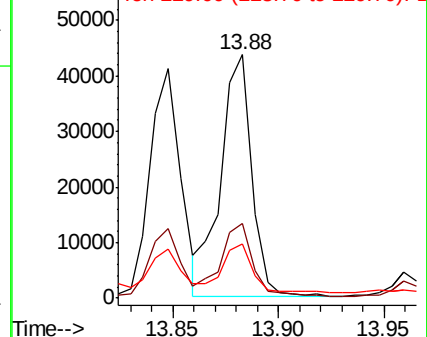
229 22.5 16.2 24.4

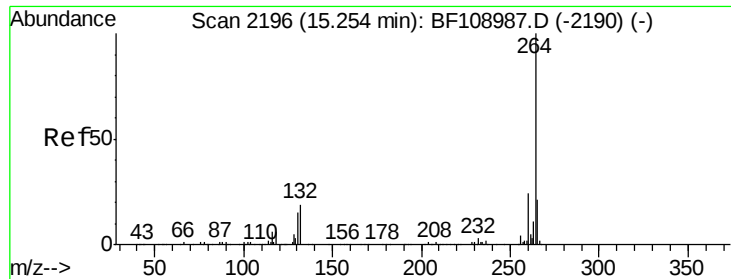


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

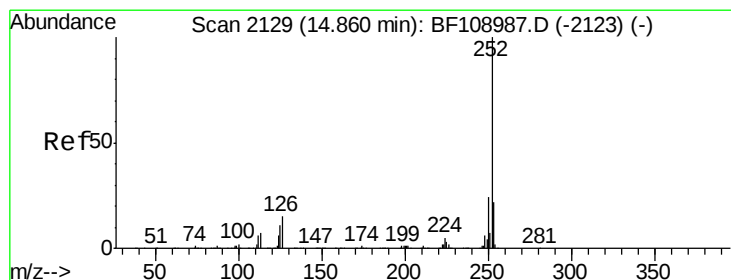
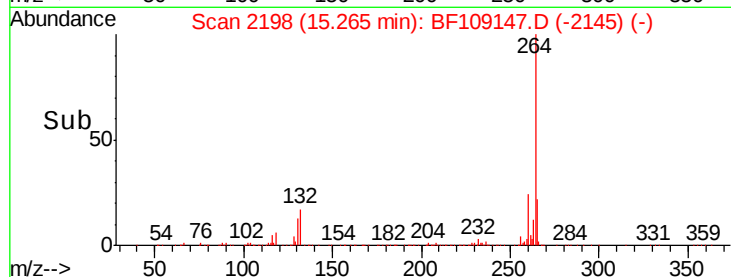
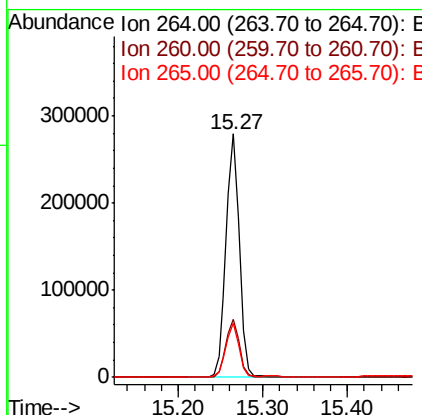
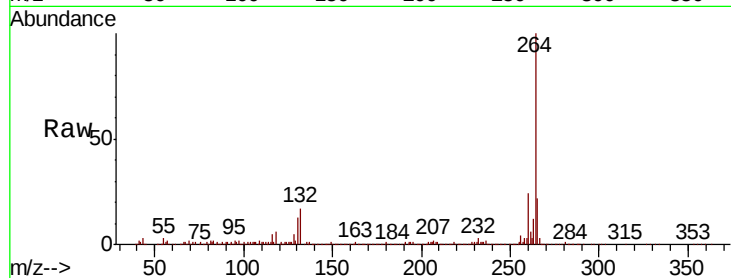




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

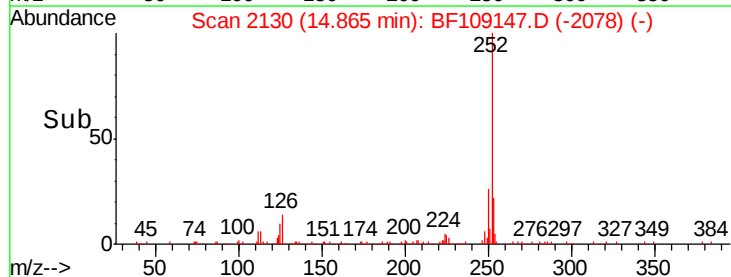
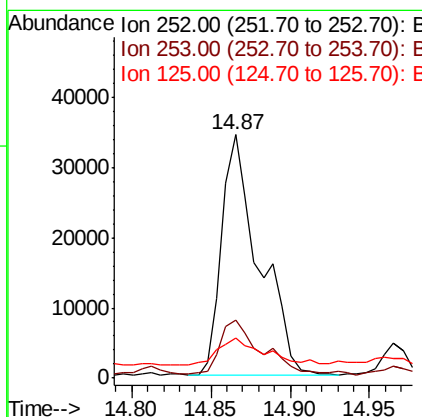
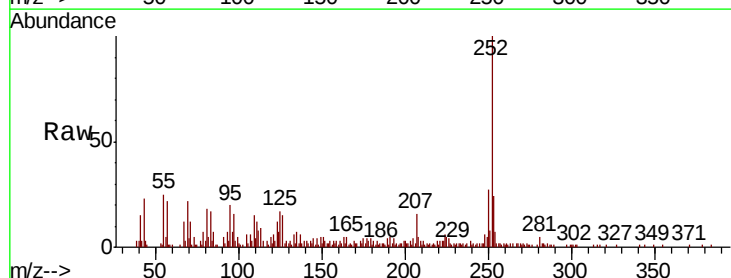
Instrument :
BNA_F
ClientSampleId :

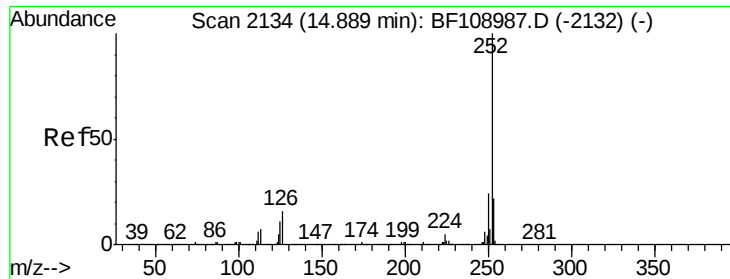
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3



#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#

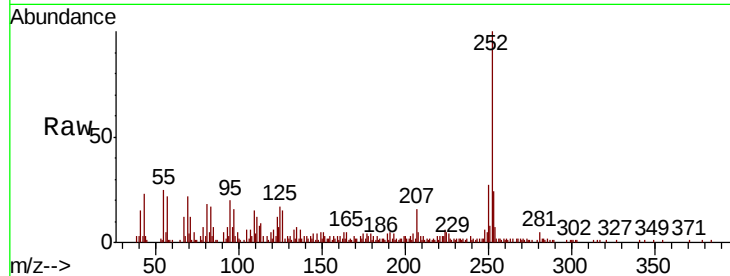




#88
Benzo(k)fluoranthene
Concen: 3.557 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109147.D
Acq: 19 Sep 2018 16:55

Instrument :
BNA_F
ClientSampleId :

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

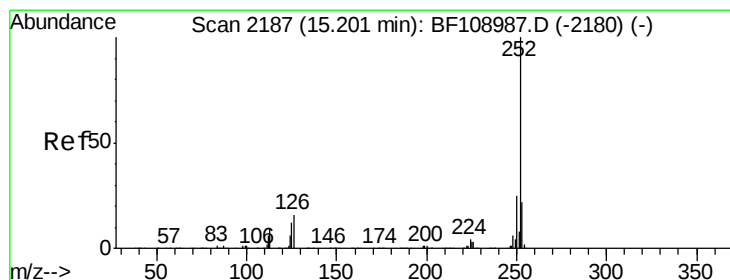
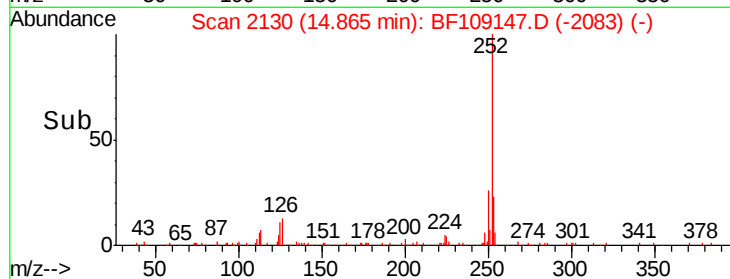
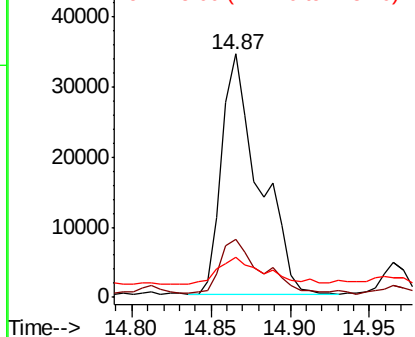


Abundance

Ion 252.00 (251.70 to 252.70): E

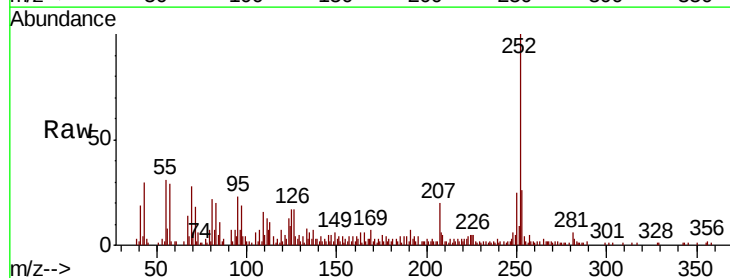
Ion 253.00 (252.70 to 253.70): E

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

