

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109114.D
 Acq On : 18 Sep 2018 23:38
 Operator : JU/SJ
 Sample : J4967-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:05:52 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	123590	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	436002	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	180034	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	321371	20.00	ng	0.00
75) Chrysene-d12	13.85	240	359503	20.00	ng	0.00
86) Perylene-d12	15.27	264	304892	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	139174	18.70	ng	0.00
7) Phenol-d6	6.35	99	179812	18.74	ng	-0.01
23) Nitrobenzene-d5	7.28	82	106950	13.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	37372	19.13	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	188620	16.41	ng	0.00
78) Terphenyl-d14	12.81	244	182846	12.06	ng	0.00

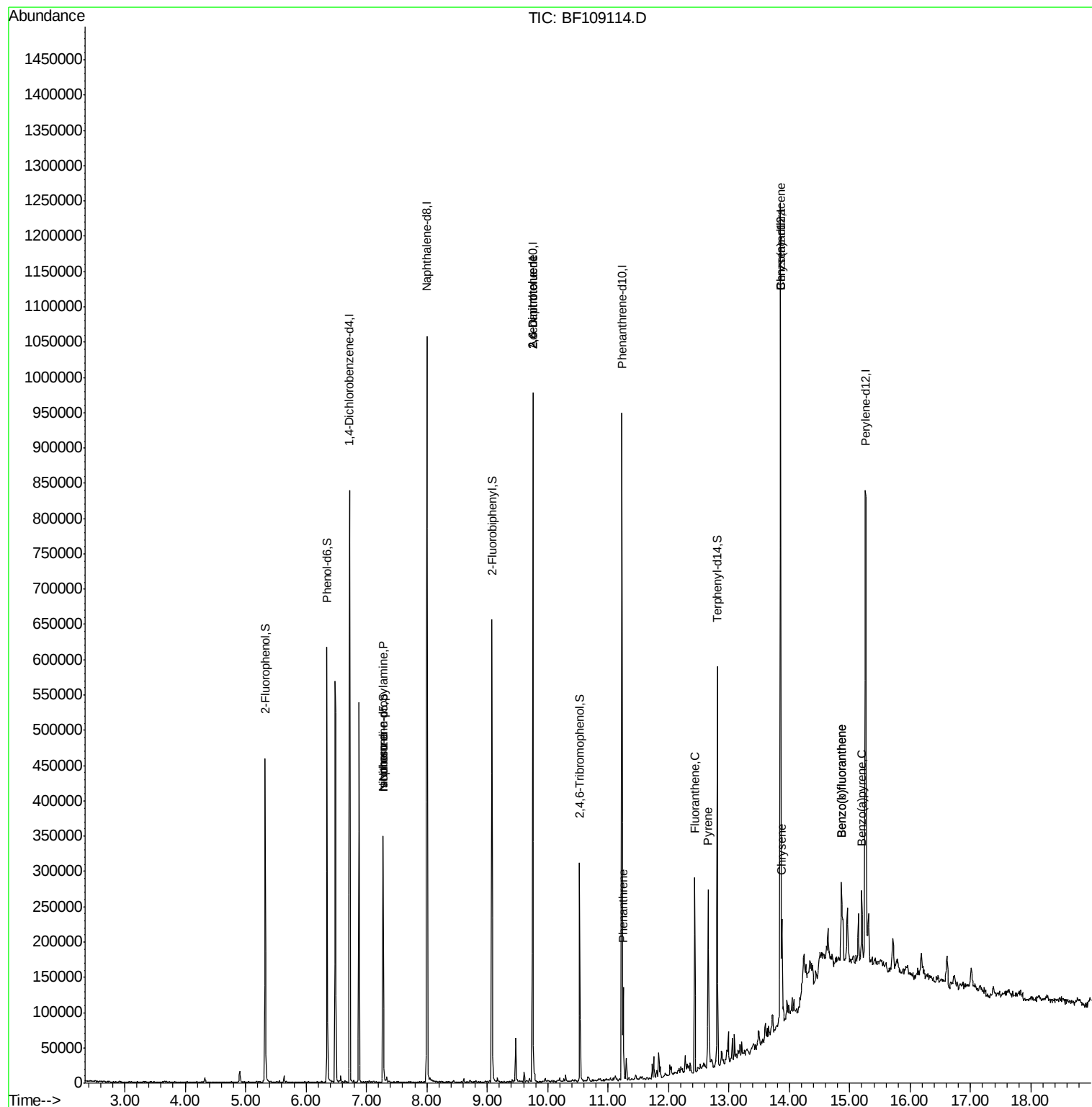
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	13918	2.194	ng	# 73
25) Isophorone	7.28	82	106948	8.004	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	22967	8.048	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	22967	6.154	ng	# 23
70) Phenanthrene	11.25	178	46567	2.956	ng	98
74) Fluoranthene	12.44	202	102049	6.136	ng	96
77) Pyrene	12.66	202	92854	3.477	ng	98
80) Benzo(a)anthracene	13.85	228	58541	2.690	ng	94
82) Chrysene	13.88	228	52413	2.407	ng	97
87) Benzo(b)fluoranthene	14.86	252	82991	4.920	ng	99
88) Benzo(k)fluoranthene	14.86	252	82991	5.268	ng	98
89) Benzo(a)pyrene	15.20	252	40862	2.728	ng	# 94

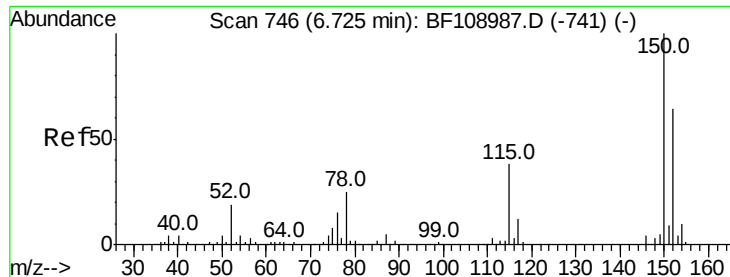
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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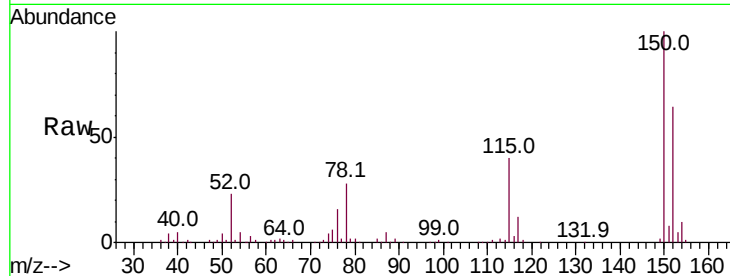


#1

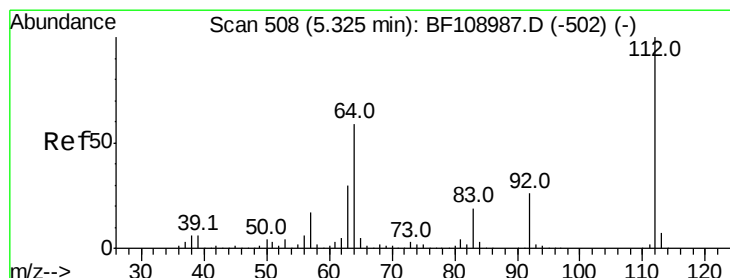
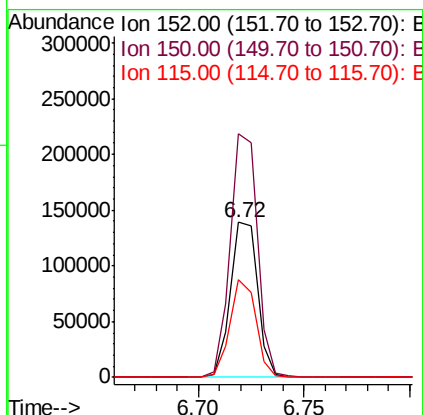
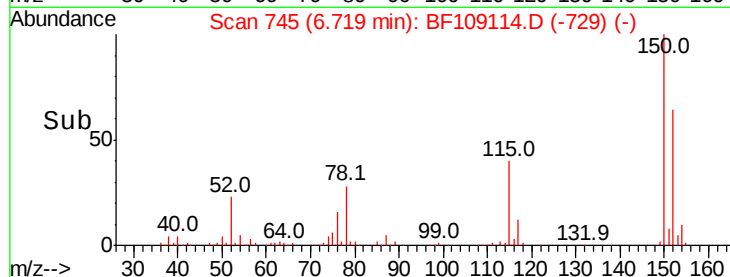
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 123590
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 63.3 50.1 75.1



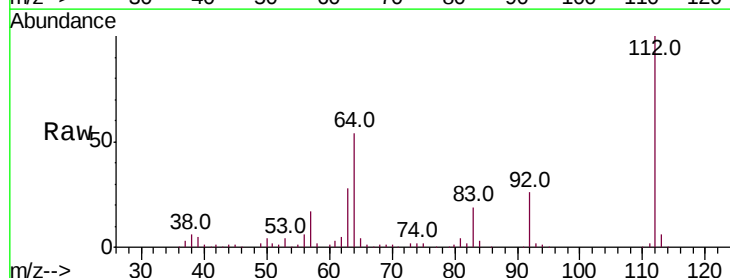
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



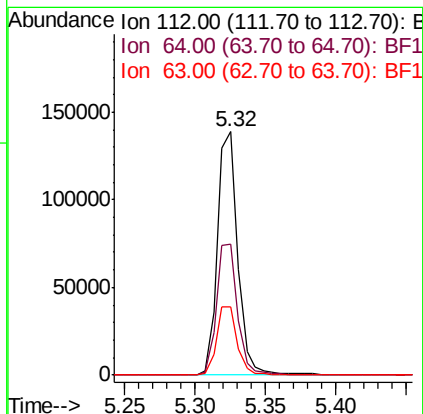
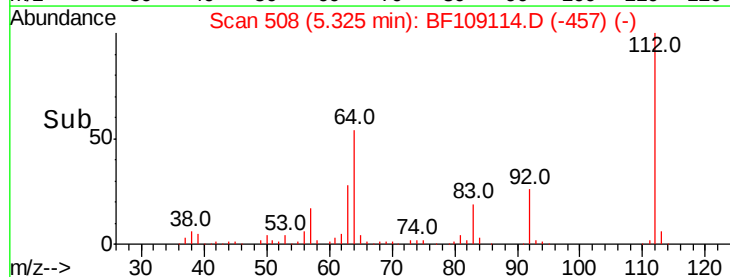
#5

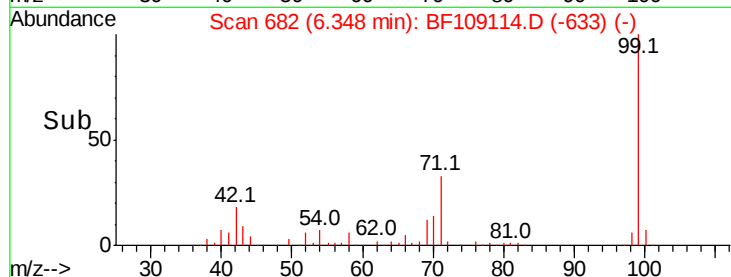
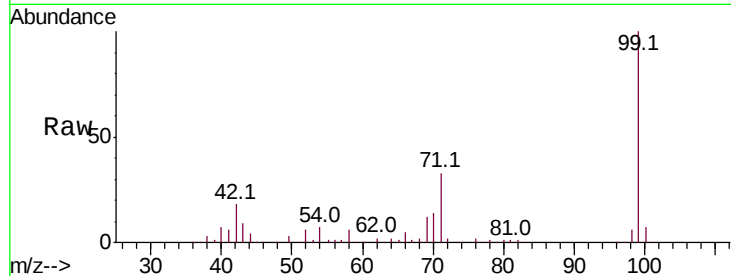
2-Fluorophenol
Concen: 18.703 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion:112 Resp: 139174
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 28.2 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: 18.740 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

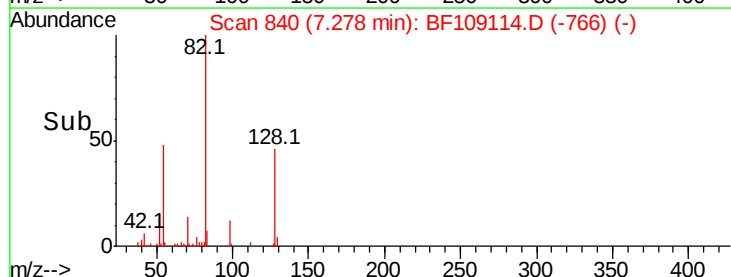
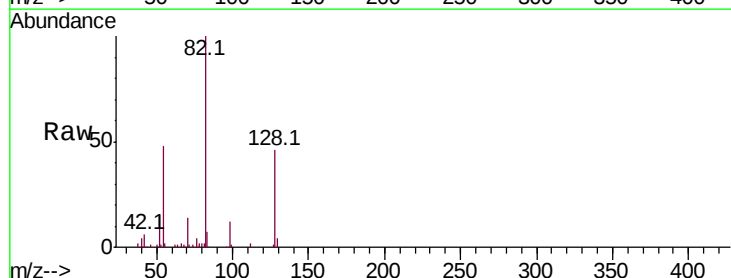
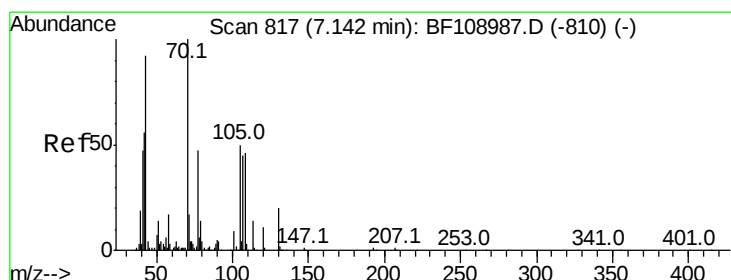
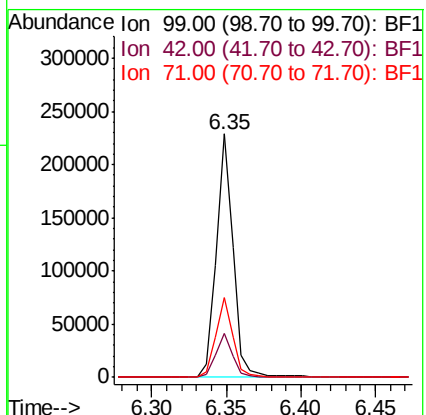
Tot Ion: 99 Resp: 179812

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.194 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Tgt Ion: 70 Resp: 13918

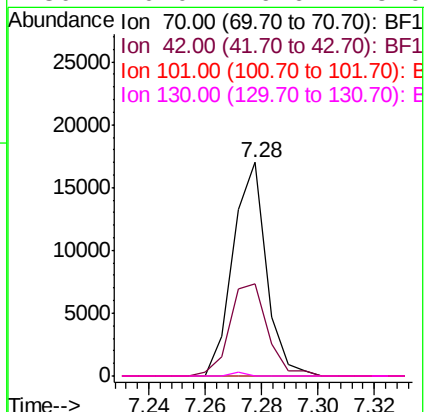
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 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: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 436002

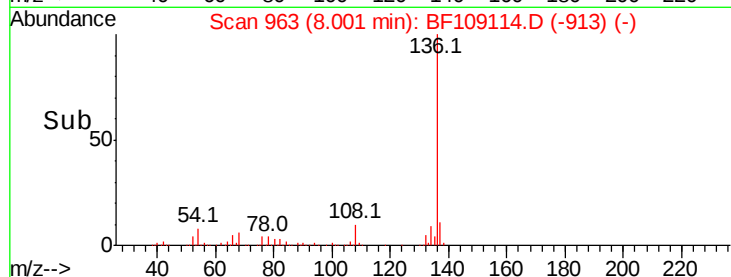
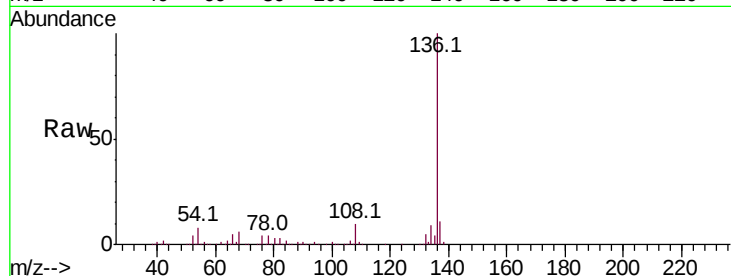
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 6.4 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E

800000 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

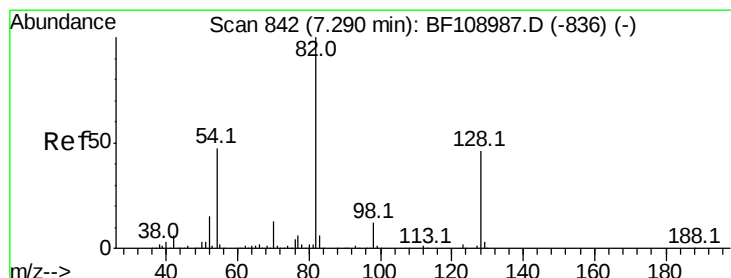
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 13.758 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

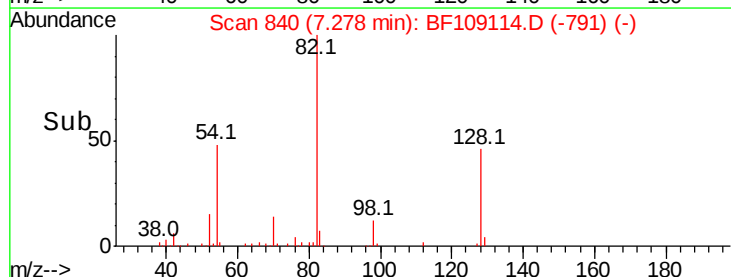
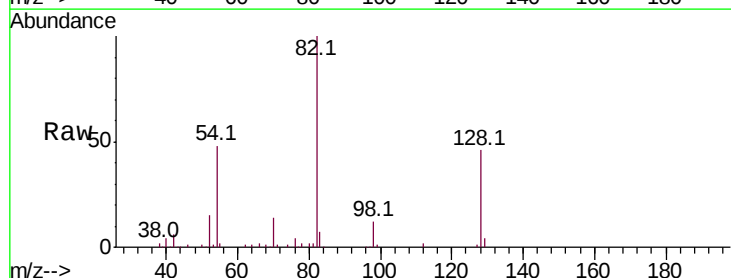
Tgt Ion: 82 Resp: 106950

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

54 47.7 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

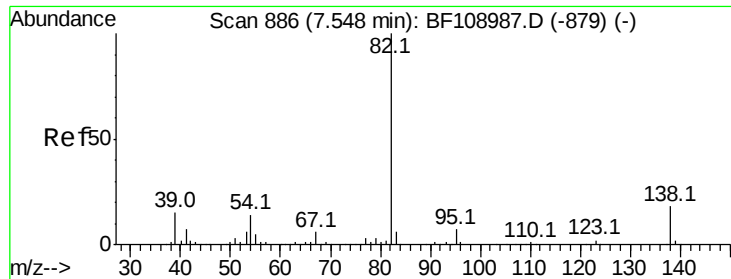
150000

100000

50000

0

Time-->



#25

Isophorone

Concen: 8.004 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

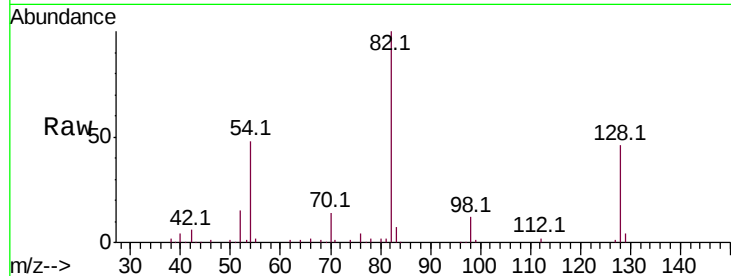
Tot Ion: 82 Resp: 106948

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

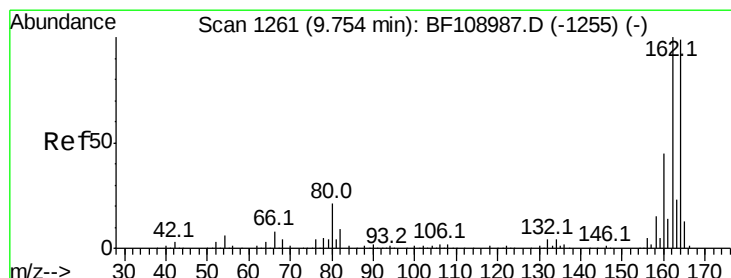
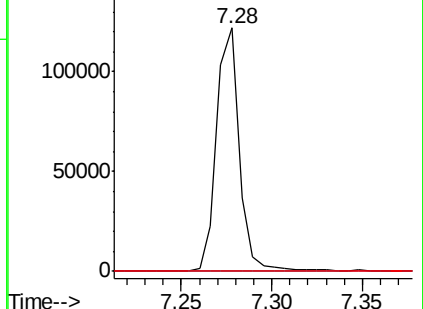
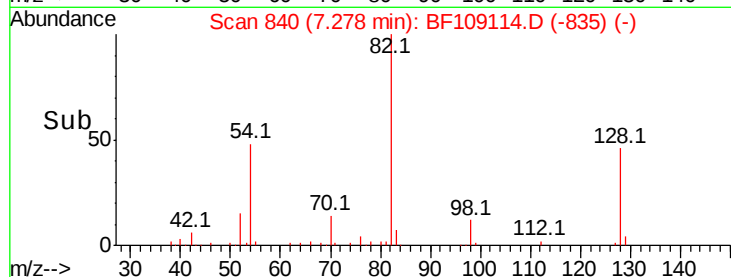
138 0.0 14.9 22.3#



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: BF109114.D

Acq: 18 Sep 2018 23:38

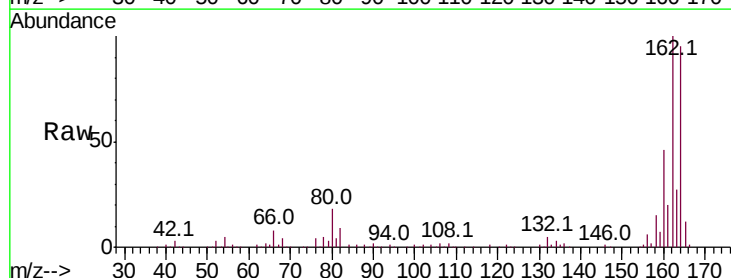
Tgt Ion: 164 Resp: 180034

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

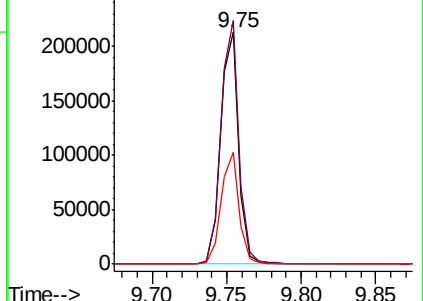
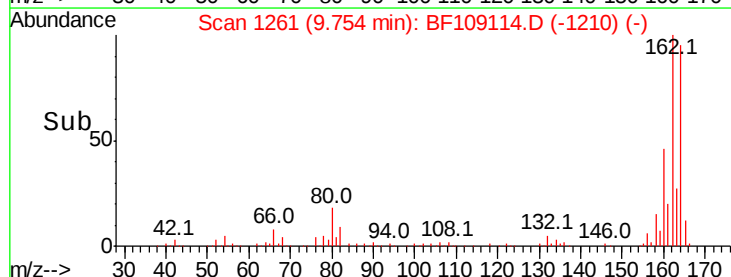
160 48.4 38.3 57.5

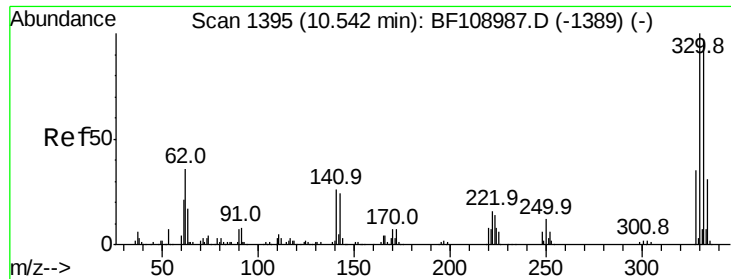


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

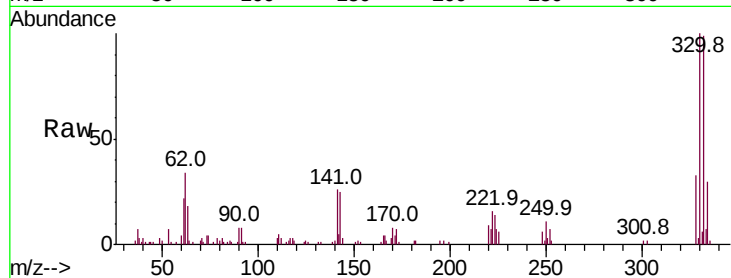




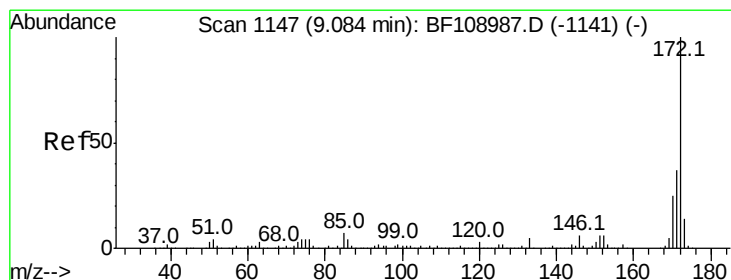
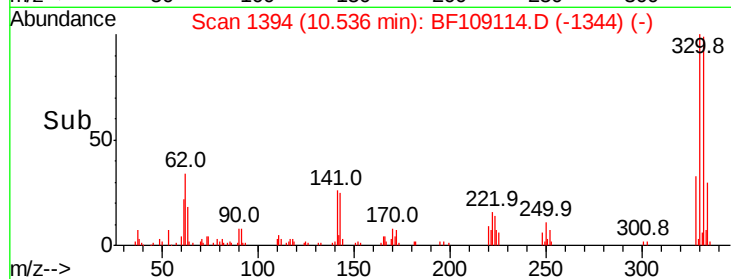
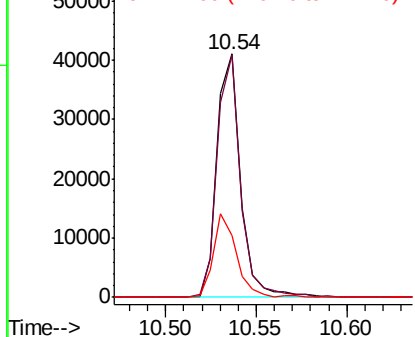
#41
 2,4,6-Tribromophenol
 Concen: 19.127 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109114.D
 Acq: 18 Sep 2018 23:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 37372
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 32.9 29.9 44.9

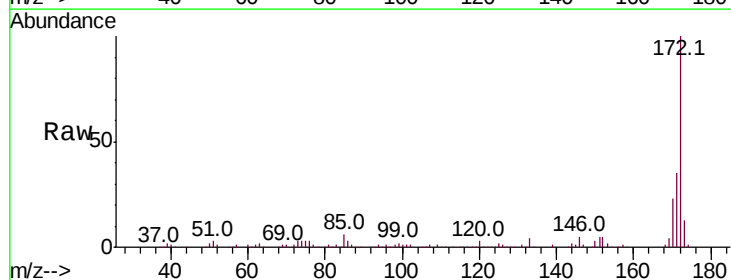


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

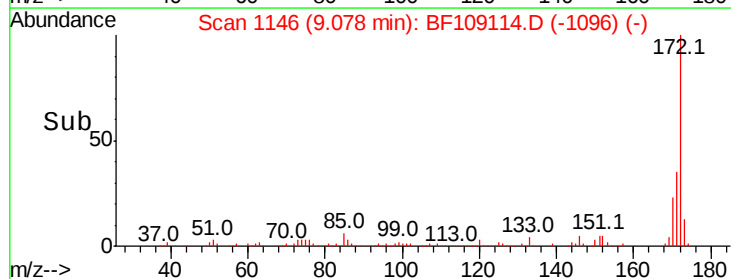
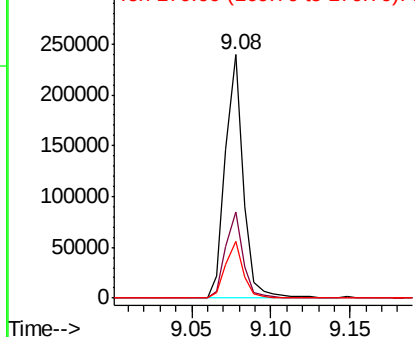


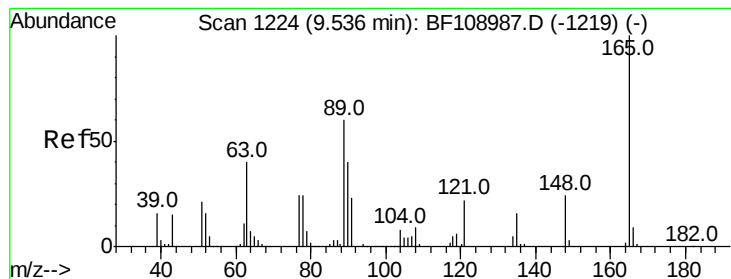
#44
 2-Fluorobiphenyl
 Concen: 16.414 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109114.D
 Acq: 18 Sep 2018 23:38

Tgt Ion:172 Resp: 188620
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.1 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





#50

2,6-Dinitrotoluene

Concen: 8.048 ng

RT: 9.75 min Scan# 1261

Delta R.T. 0.22 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

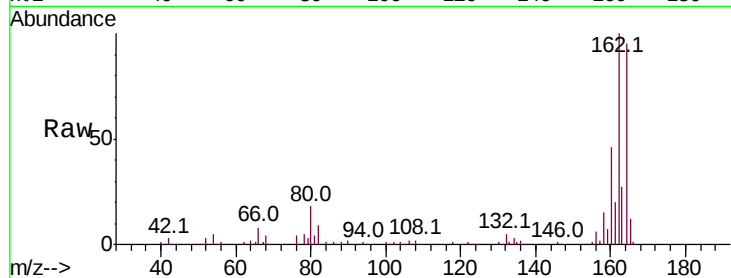
Tot Ion:165 Resp: 22967

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

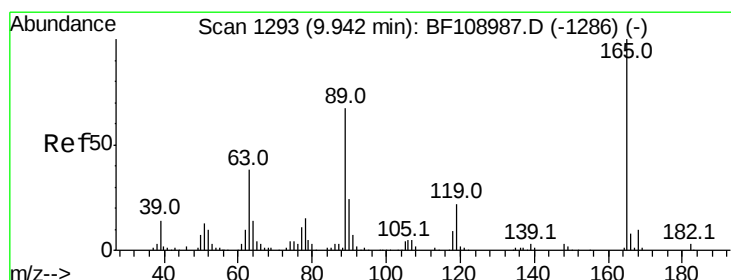
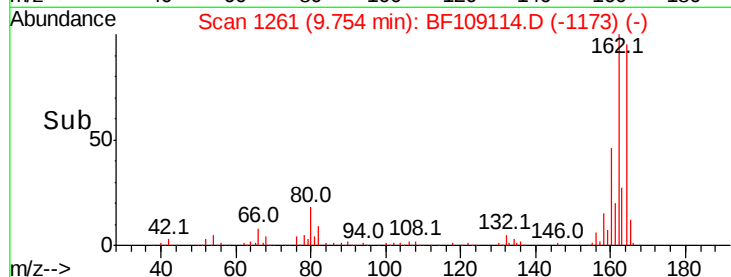
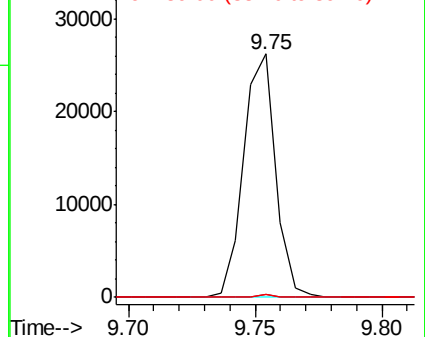
89 1.2 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.154 ng

RT: 9.75 min Scan# 1261

Delta R.T. -0.19 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Tgt Ion:165 Resp: 22967

Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.2 57.8 86.6#

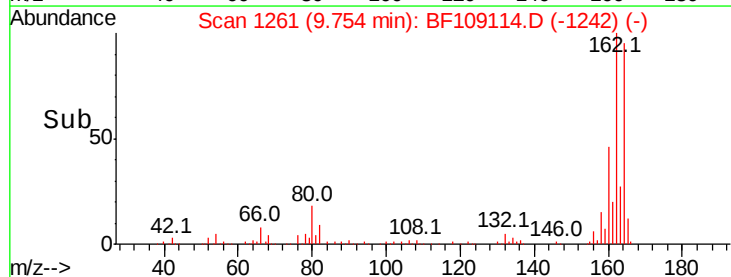
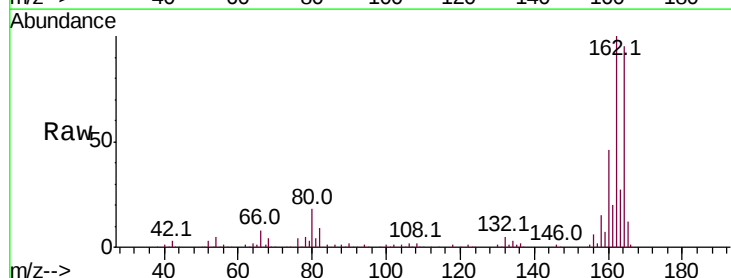
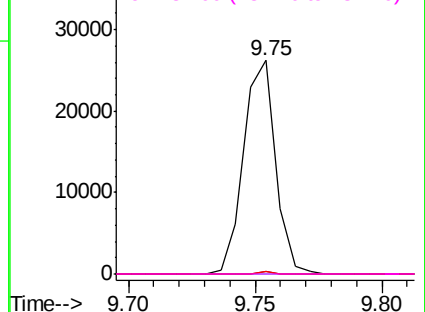
182 0.0 1.6 2.4#

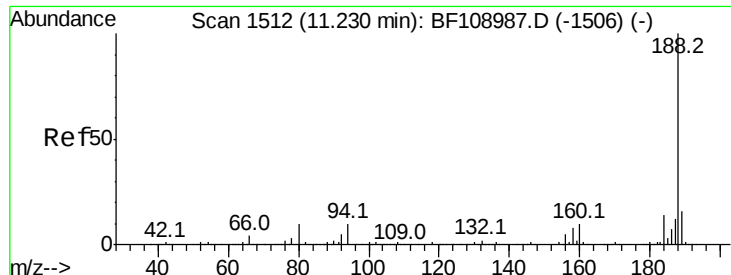
Abundance Ion 165.00 (164.70 to 165.70): E

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

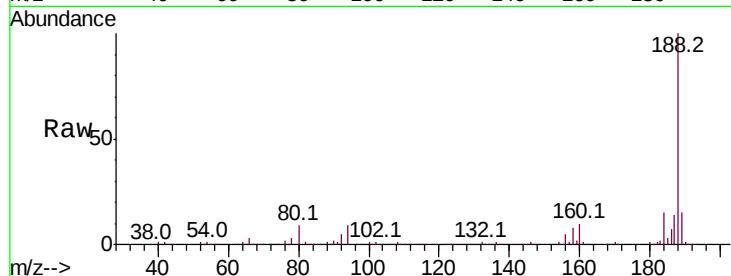




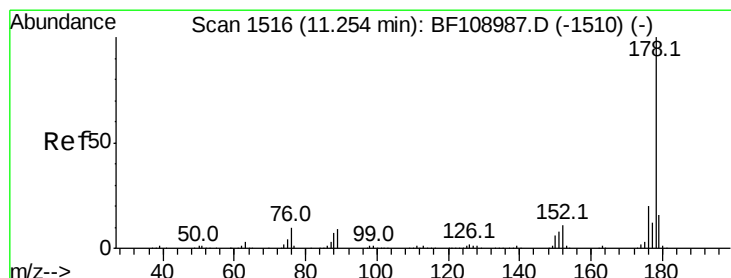
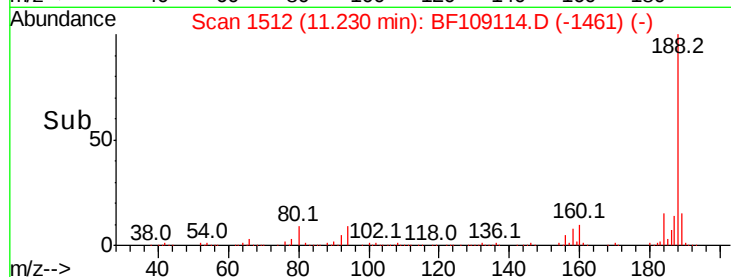
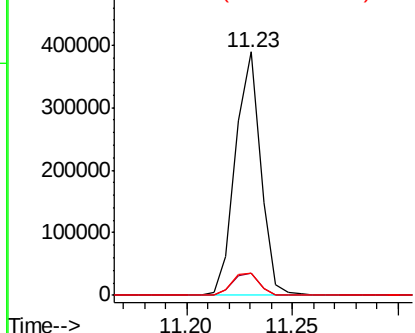
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 321371
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 9.4 9.2 13.8

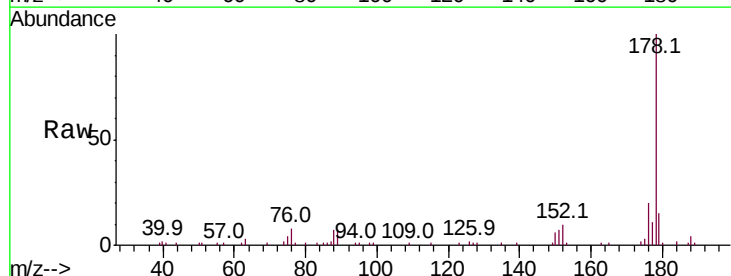


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

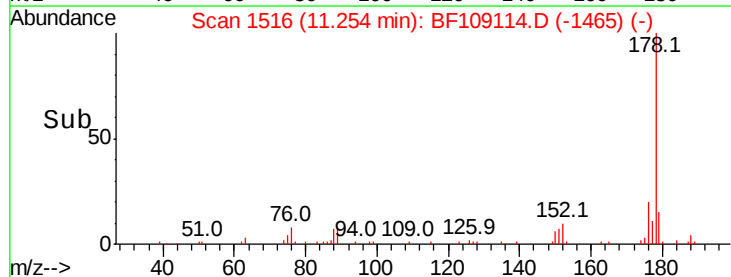
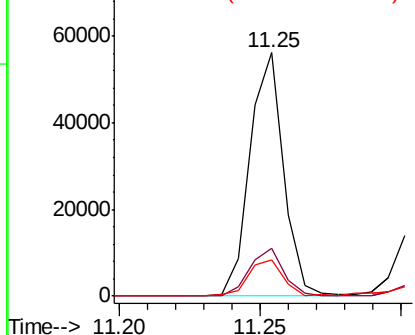


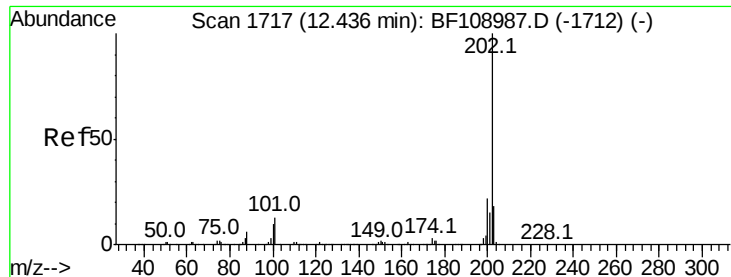
#70
Phenanthrene
Concen: 2.956 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion:178 Resp: 46567
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 14.9 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: 6.136 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

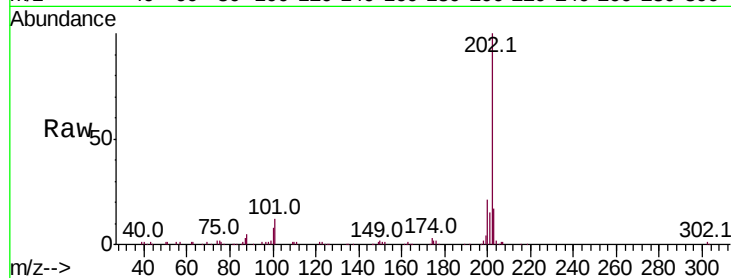
Tot Ion:202 Resp: 102049

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

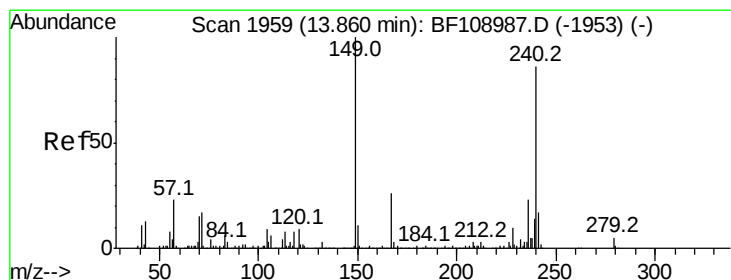
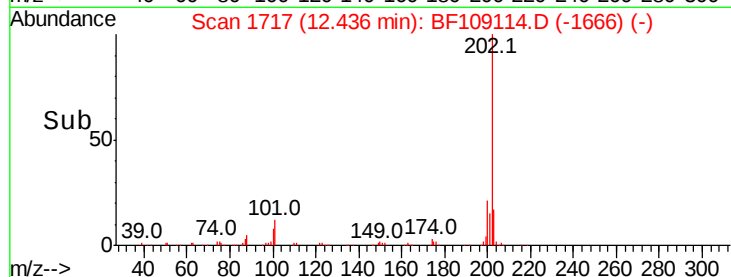
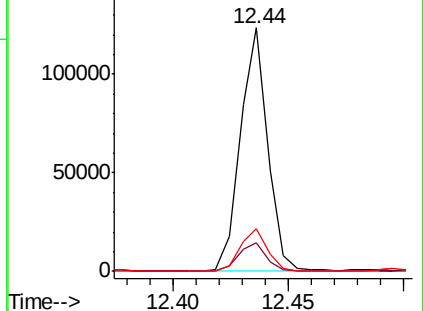
203 17.4 0.0 38.1



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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

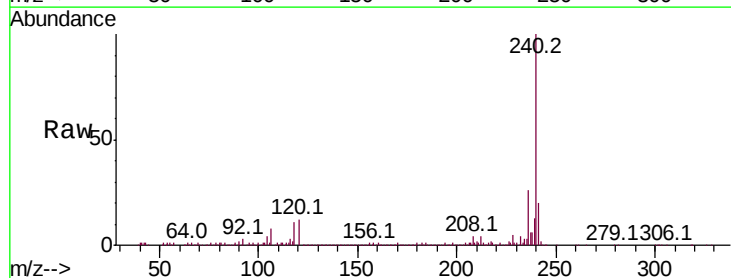
Tgt Ion:240 Resp: 359503

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

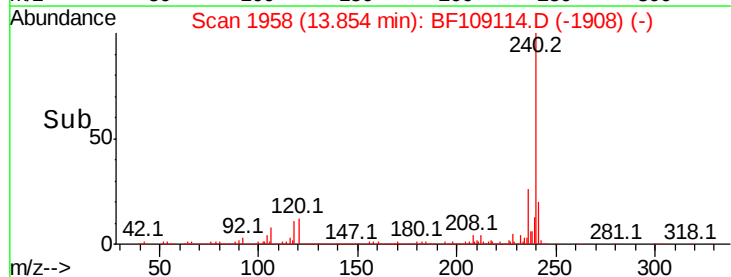
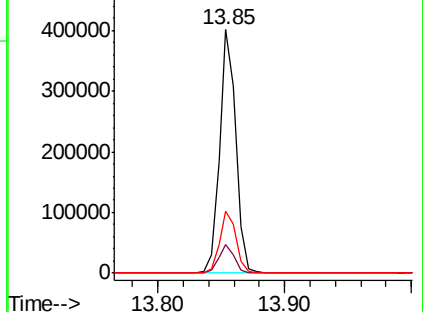
236 25.6 20.7 31.1

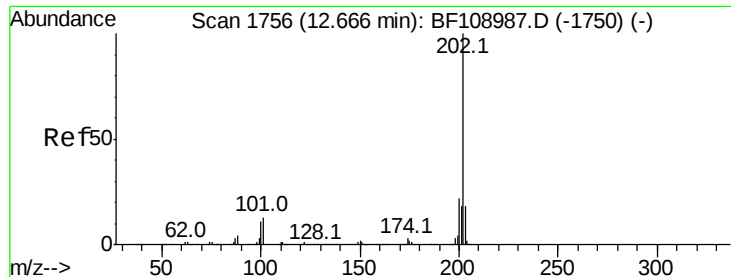


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.477 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampled :

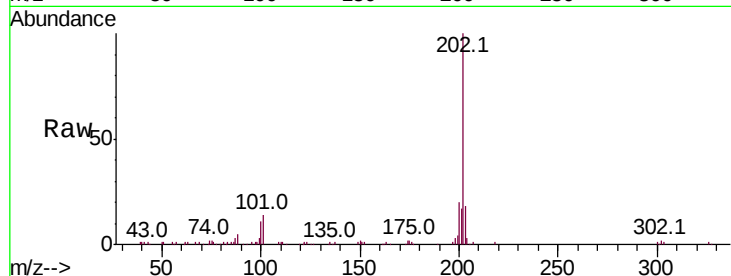
Tot Ion:202 Resp: 92854

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

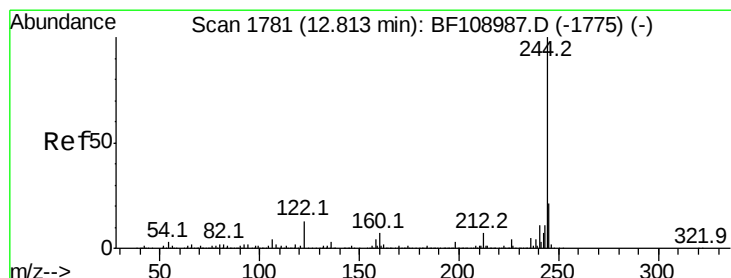
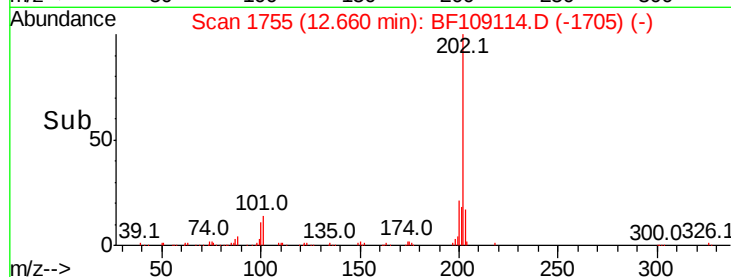
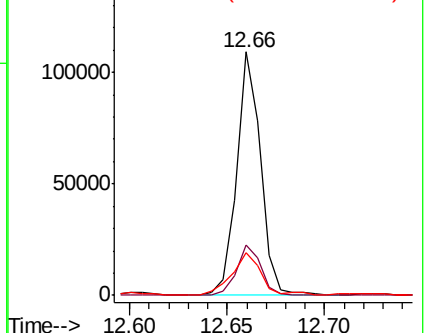
203 17.7 14.3 21.5



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: 12.055 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

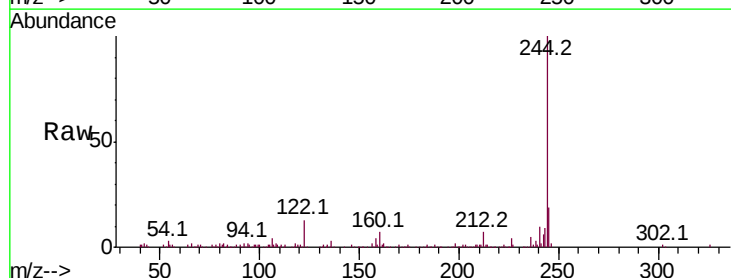
Tgt Ion:244 Resp: 182846

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

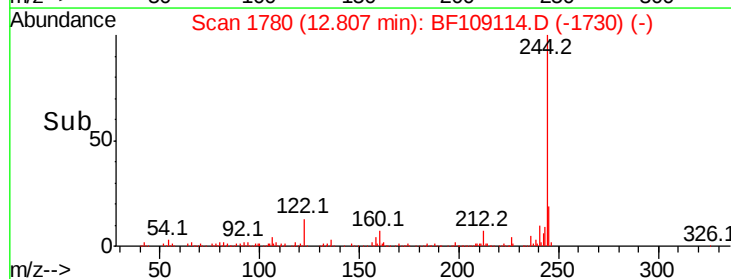
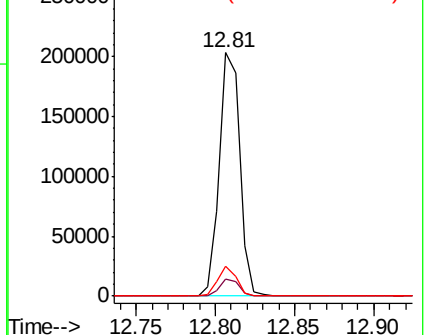
122 12.5 11.0 16.4

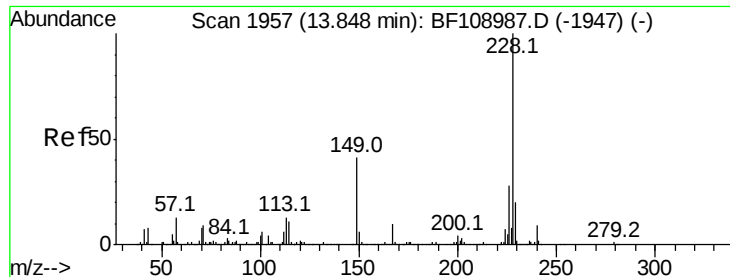


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.690 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

ClientSampleId :

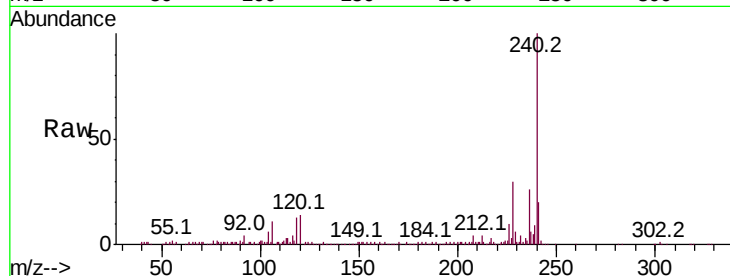
Tot Ion:228 Resp: 58541

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

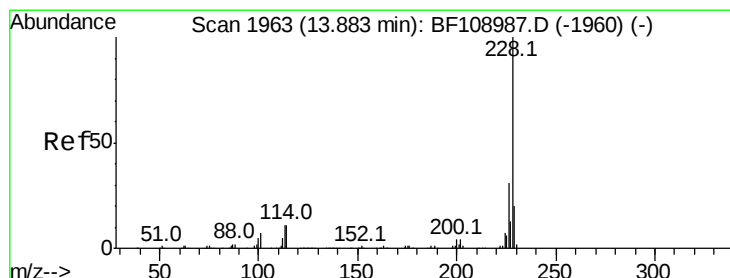
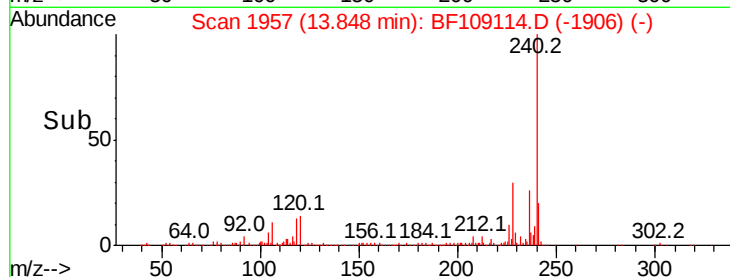
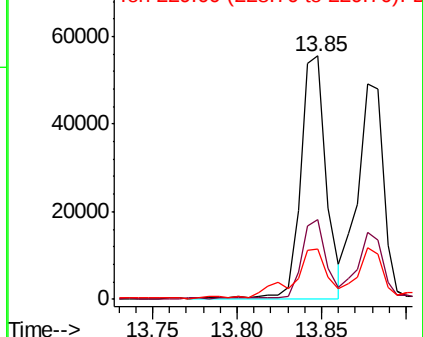
229 20.7 15.8 23.6



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: 2.407 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

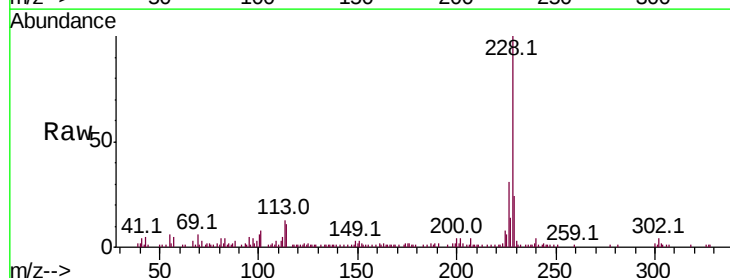
Tgt Ion:228 Resp: 52413

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

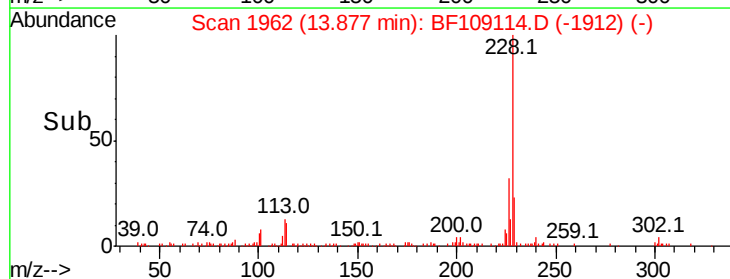
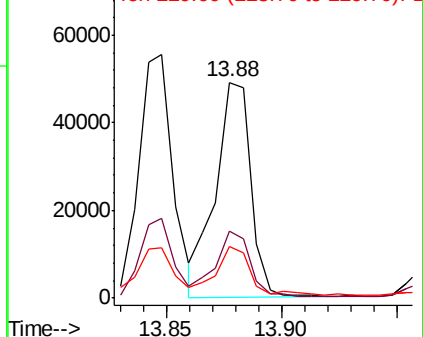
229 24.0 16.2 24.4

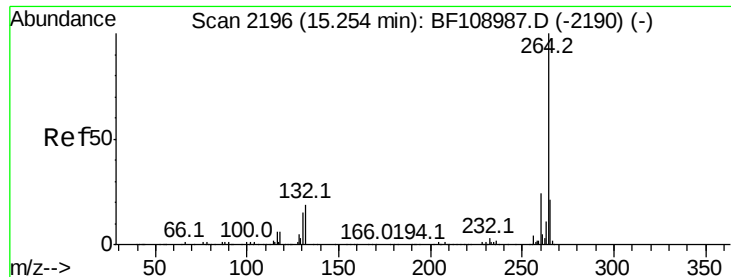


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



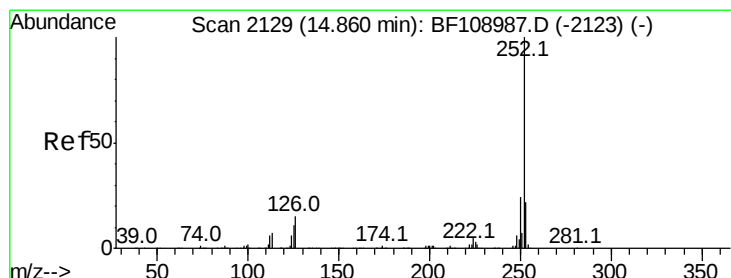
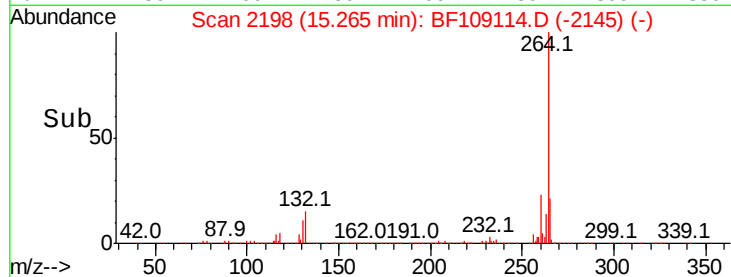
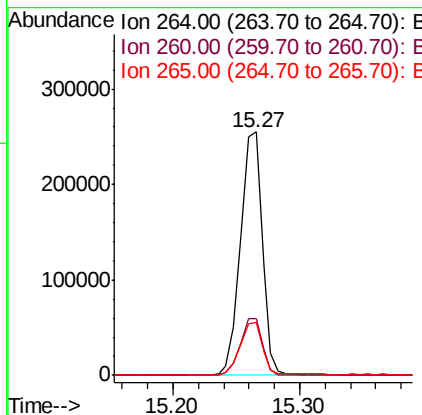
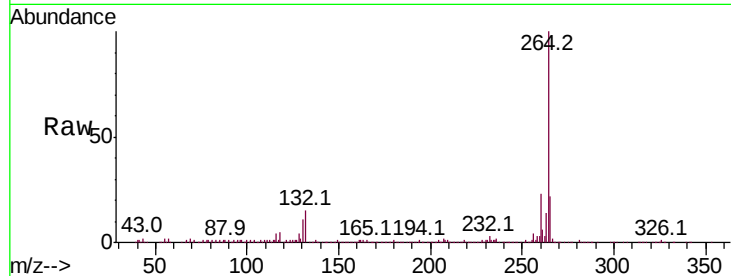


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 304892

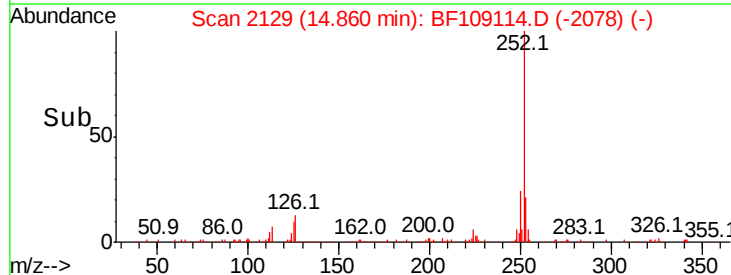
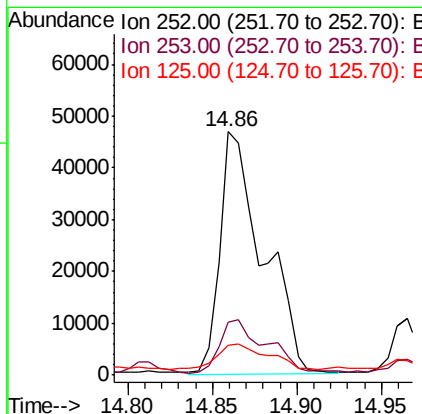
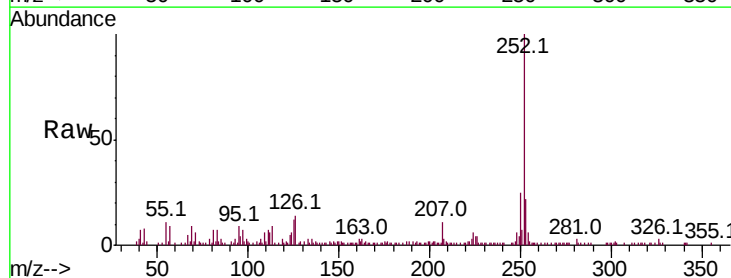
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.5	26.3

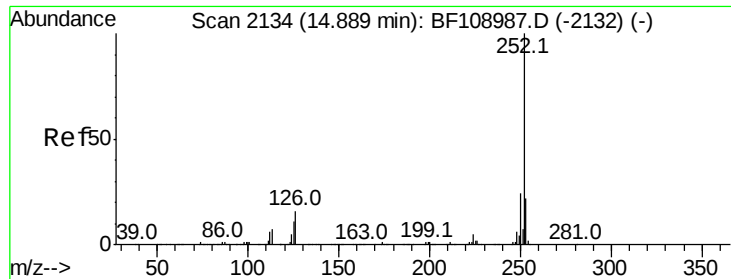


#87
Benzo(b)fluoranthene
Concen: 4.920 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion:252 Resp: 82991

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	12.1	9.0	13.6

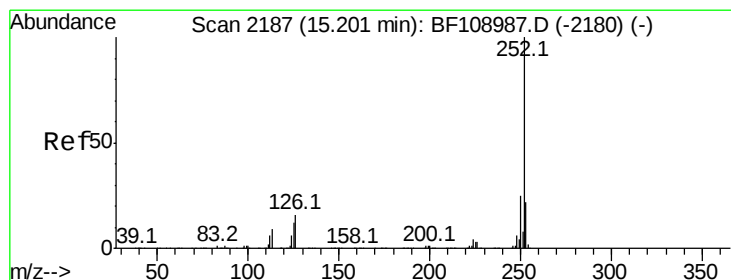
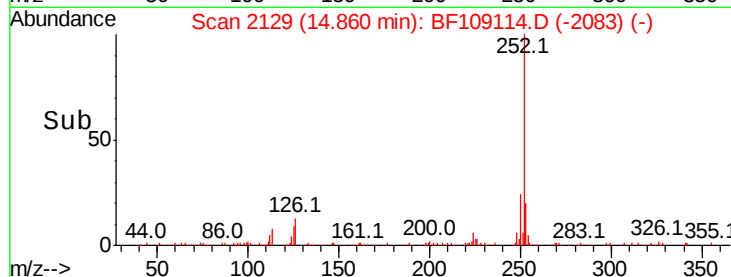
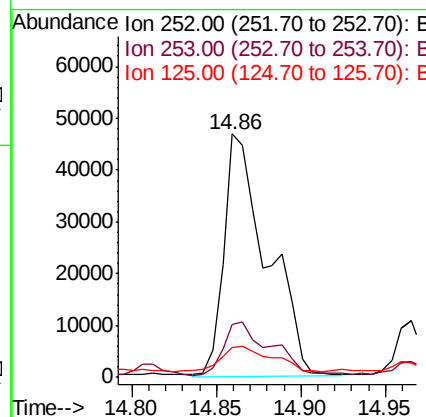
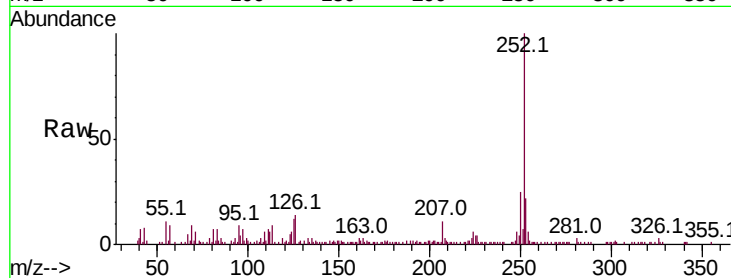




#88
Benzo(k)fluoranthene
Concen: 5.268 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 82991
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 12.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.728 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion:252 Resp: 40862
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 15.4 9.8 14.6#

