

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109234.D
 Acq On : 22 Sep 2018 21:01
 Operator : JU/SJ
 Sample : J4777-25 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:50:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

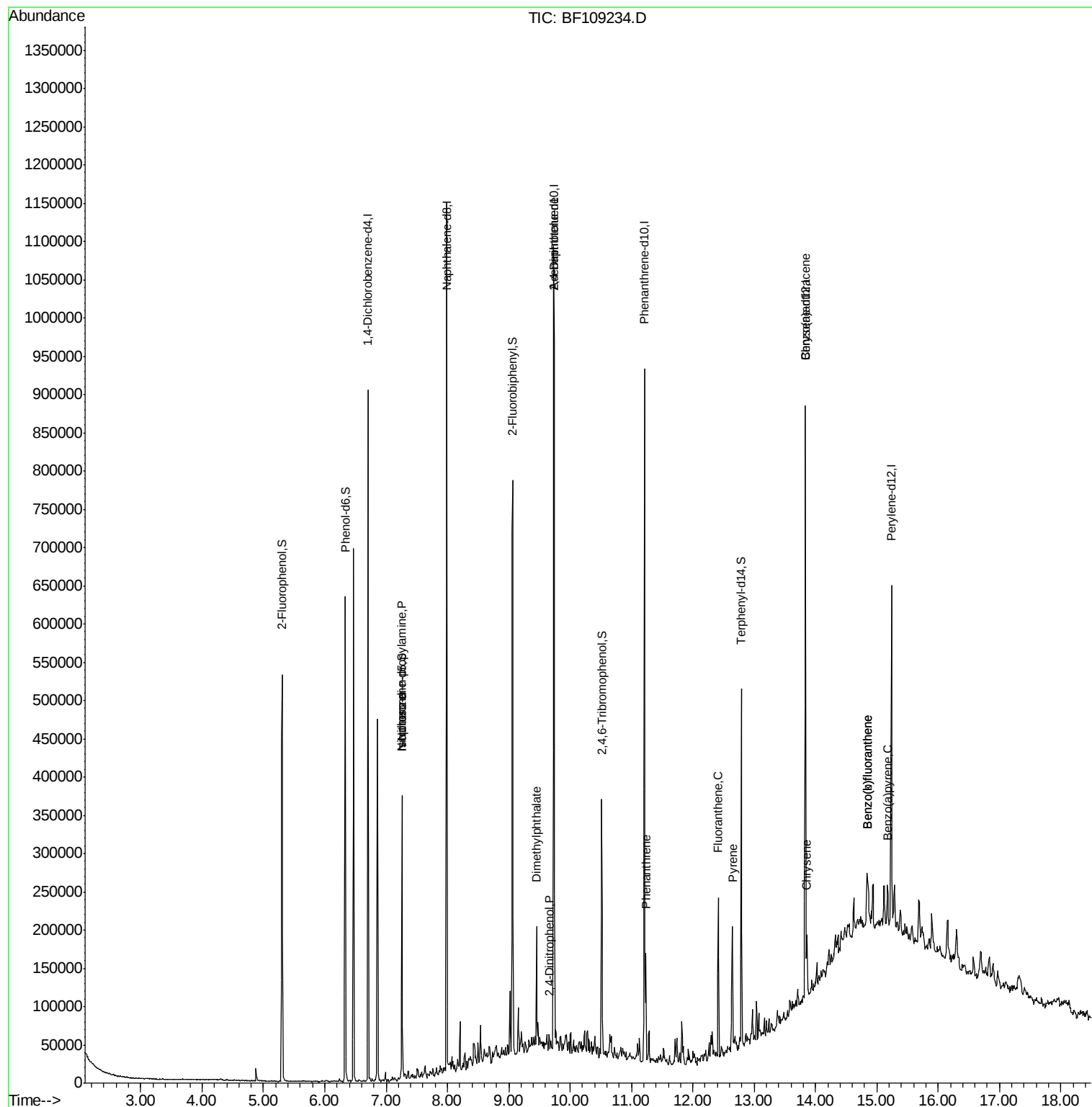
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	114027	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	445977	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	193888	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	305320	20.00	ng	0.00
75) Chrysene-d12	13.83	240	235185	20.00	ng	-0.01
86) Perylene-d12	15.24	264	206496	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	143411	20.72	ng	-0.01
7) Phenol-d6	6.33	99	187906	21.27	ng	-0.02
23) Nitrobenzene-d5	7.26	82	111742	14.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	33208	17.37	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	222014	17.27	ng	-0.01
78) Terphenyl-d14	12.79	244	149921	15.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	15672	2.707	ng	# 83
25) Isophorone	7.26	82	96304	7.079	ng	# 64
49) Dimethylphthalate	9.45	163	52079	3.693	ng	# 98
53) 2,4-Dinitrophenol	9.67	184	138	8.626	ng	# 1
56) 2,4-Dinitrotoluene	9.73	165	25590	7.241	ng	# 24
70) Phenanthrene	11.23	178	44931	2.947	ng	99
74) Fluoranthene	12.42	202	74694	4.585	ng	96
77) Pyrene	12.64	202	70833	4.202	ng	98
80) Benzo(a)anthracene	13.83	228	36445	2.573	ng	96
82) Chrysene	13.86	228	36175	2.576	ng	94
87) Benzo(b)fluoranthene	14.84	252	49187	4.335	ng	# 92
88) Benzo(k)fluoranthene	14.84	252	49187	4.568	ng	94
89) Benzo(a)pyrene	15.17	252	25623	2.506	ng	# 85

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

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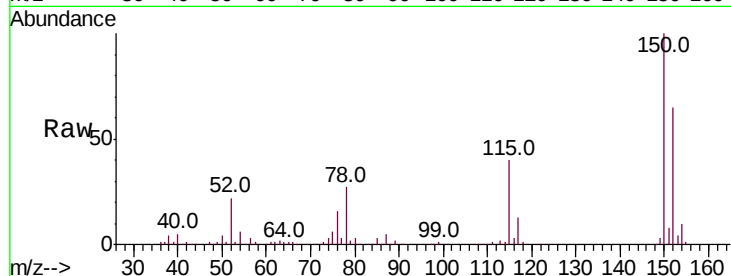


#1

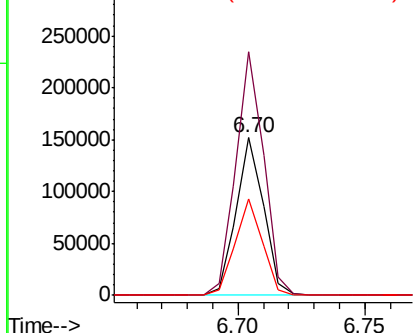
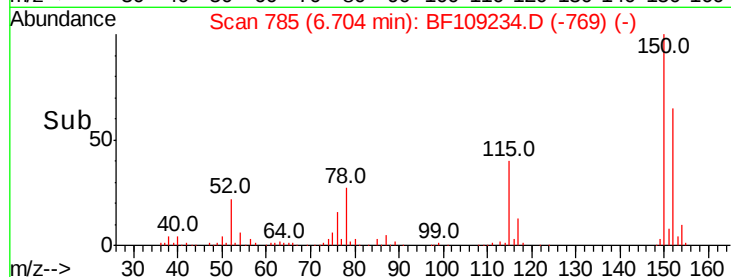
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109234.D
Acq: 22 Sep 2018 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114027
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 61.1 50.1 75.1



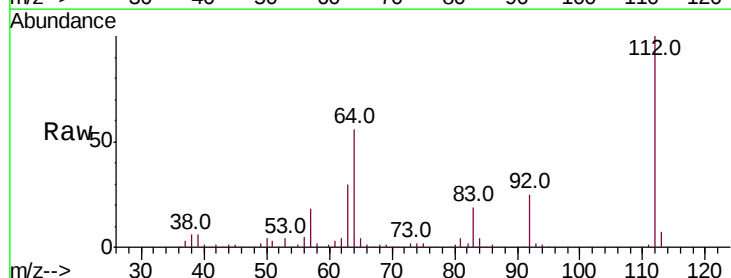
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



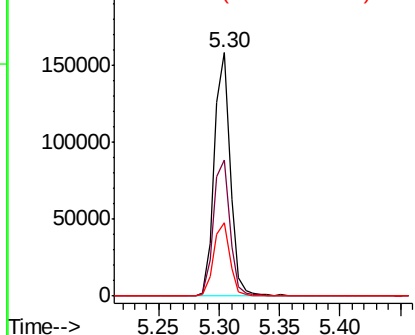
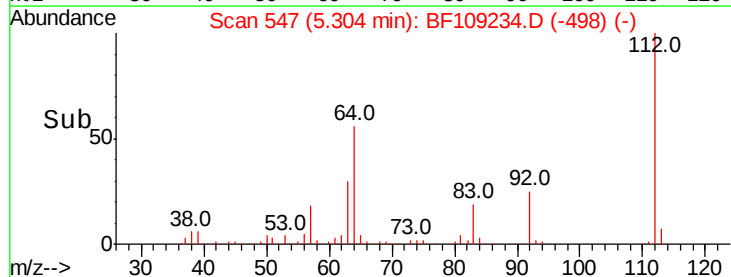
#5

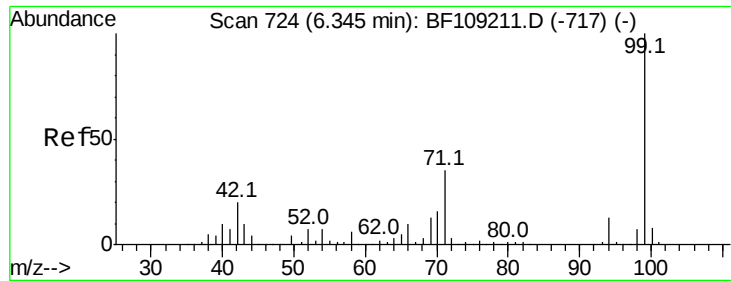
2-Fluorophenol
Concen: 20.715 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF109234.D
Acq: 22 Sep 2018 21:01

Tgt Ion:112 Resp: 143411
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 30.0 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: 21.271 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

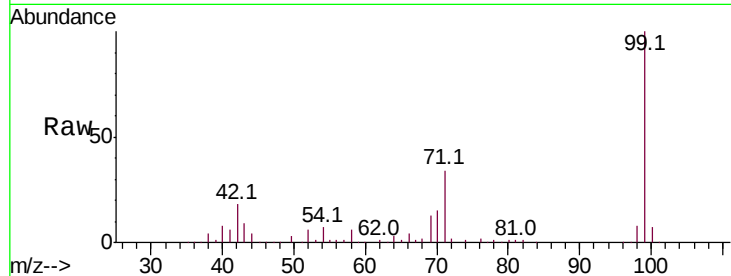
Tot Ion: 99 Resp: 187906

Ion Ratio Lower Upper

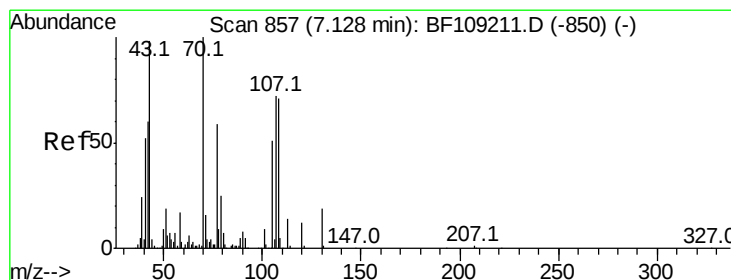
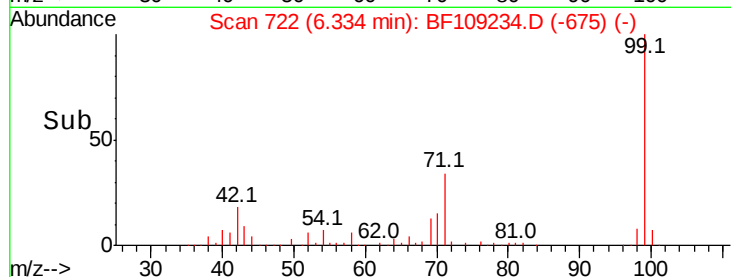
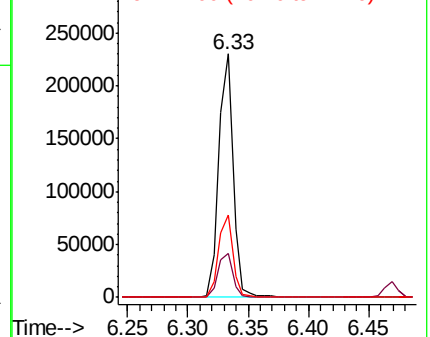
99 100

42 18.2 14.5 21.7

71 33.9 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: 2.707 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.11 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Tgt Ion: 70 Resp: 15672

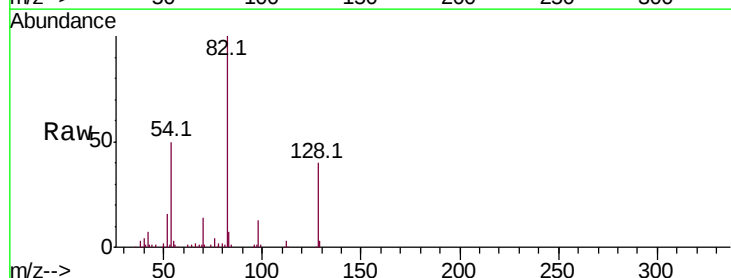
Ion Ratio Lower Upper

70 100

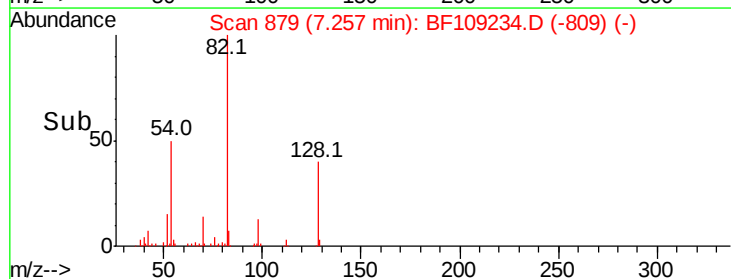
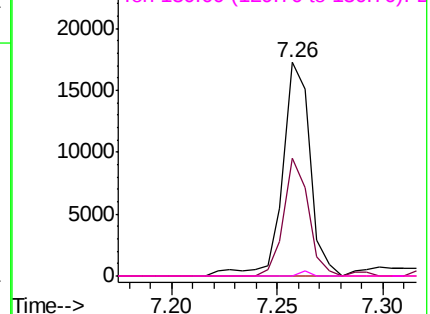
42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445977

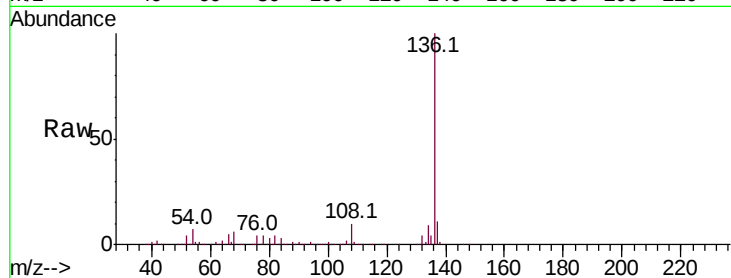
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 6.0 5.0 7.4

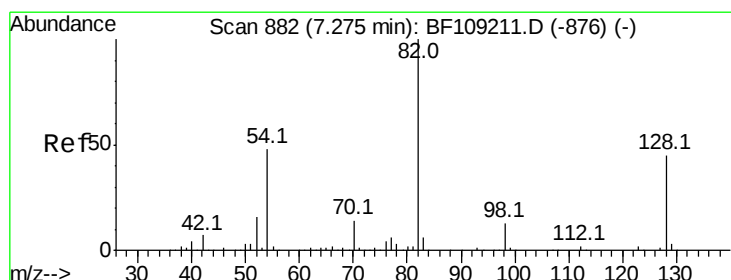
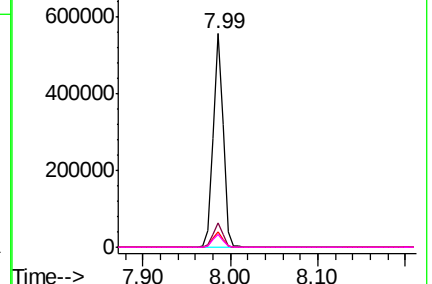
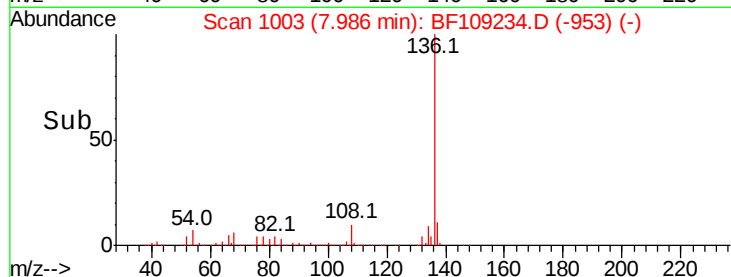


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.791 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

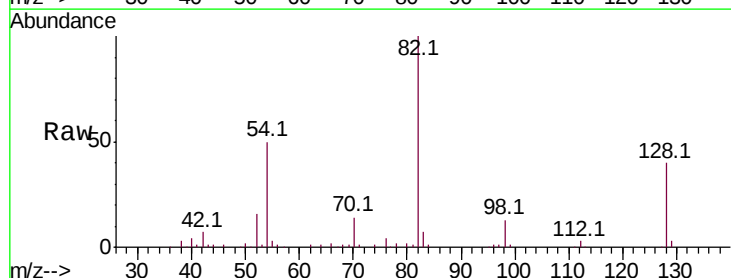
Tgt Ion: 82 Resp: 111742

Ion Ratio Lower Upper

82 100

128 40.0 36.1 54.1

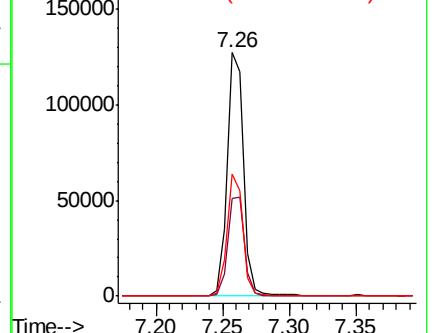
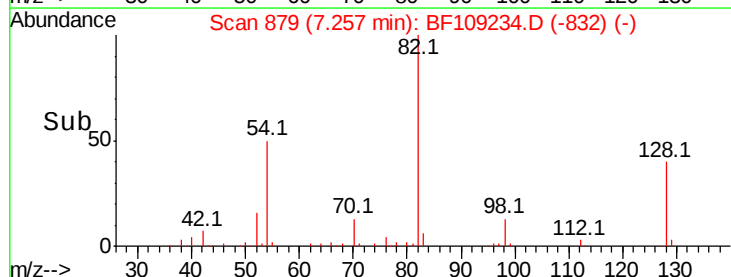
54 50.1 41.4 62.2

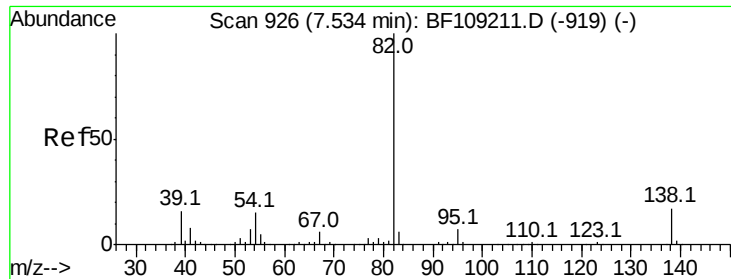


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.079 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.29 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

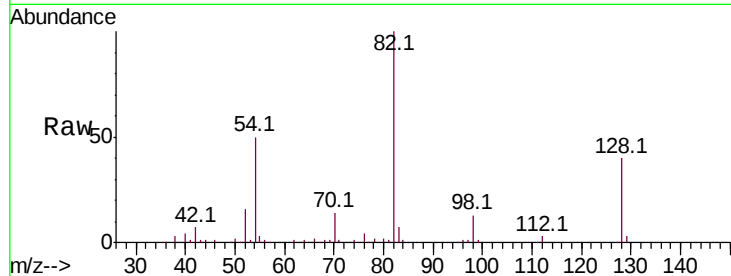
Tot Ion: 82 Resp: 96304

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

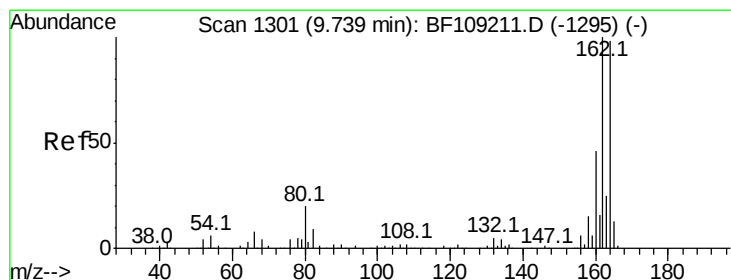
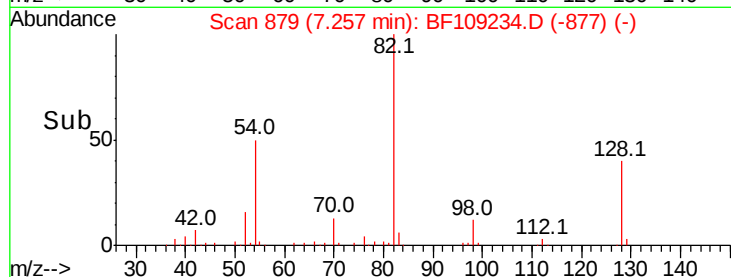
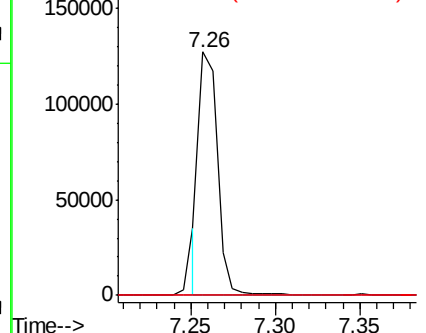
138 0.0 14.9 22.3#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

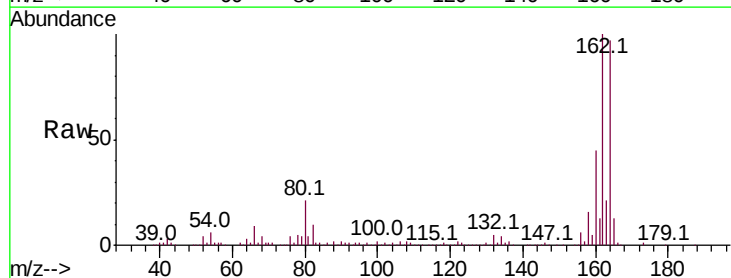
Tgt Ion:164 Resp: 193888

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

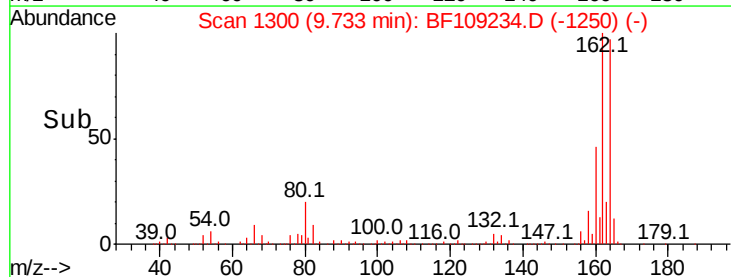
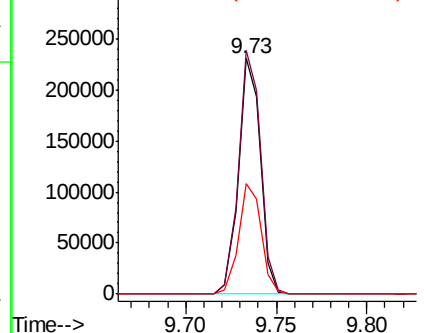
160 47.0 38.3 57.5

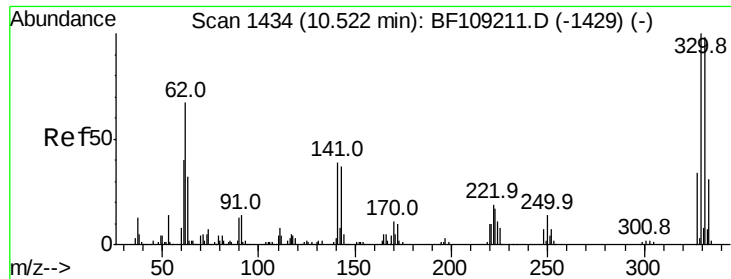


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

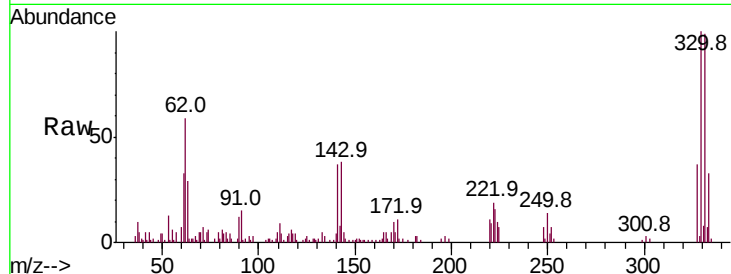




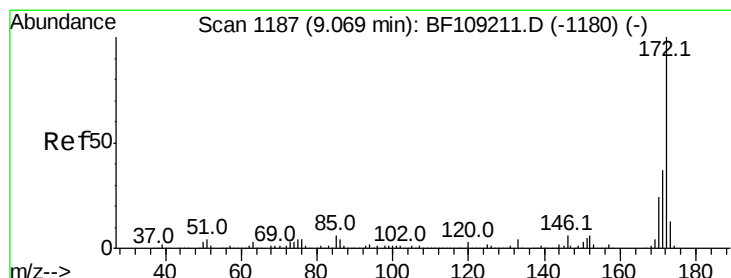
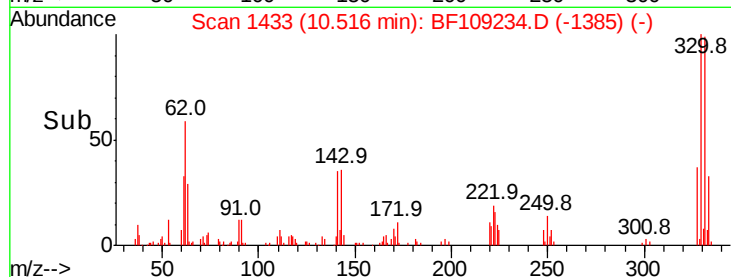
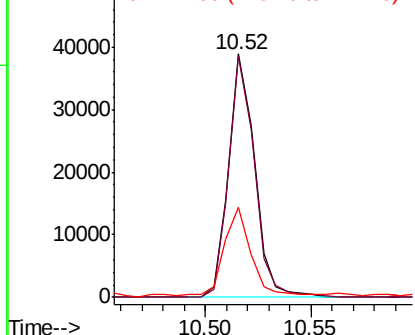
#41
 2,4,6-Tribromophenol
 Concen: 17.374 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109234.D
 Acq: 22 Sep 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 33208
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 36.1 29.9 44.9

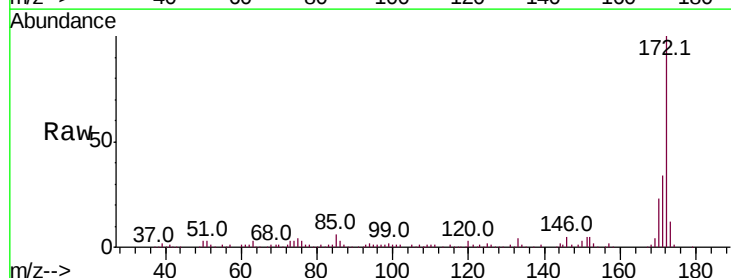


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

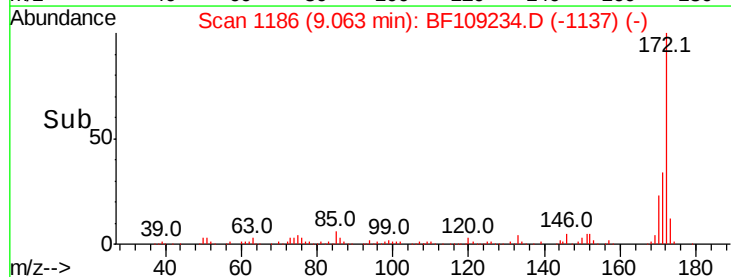
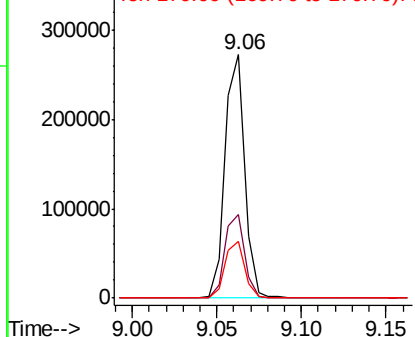


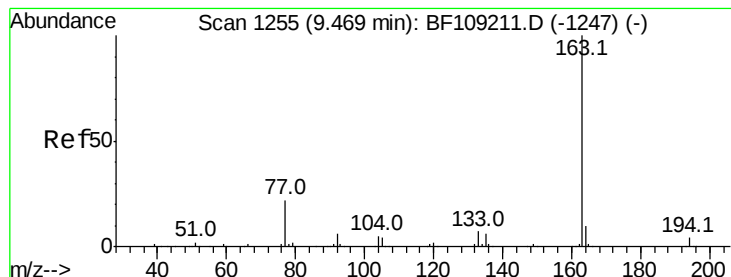
#44
 2-Fluorobiphenyl
 Concen: 17.270 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109234.D
 Acq: 22 Sep 2018 21:01

Tgt Ion:172 Resp: 222014
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 23.4 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: 3.693 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

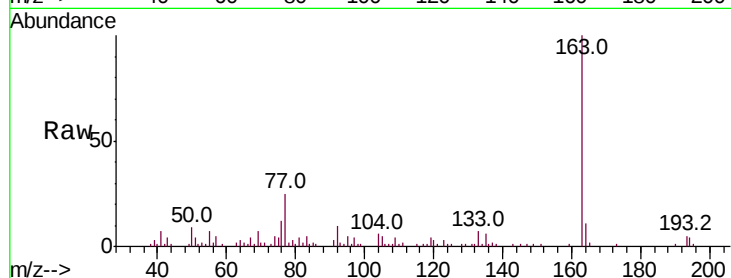
Tot Ion:163 Resp: 52079

Ion Ratio Lower Upper

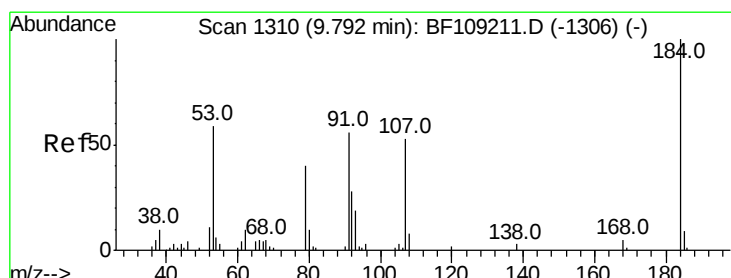
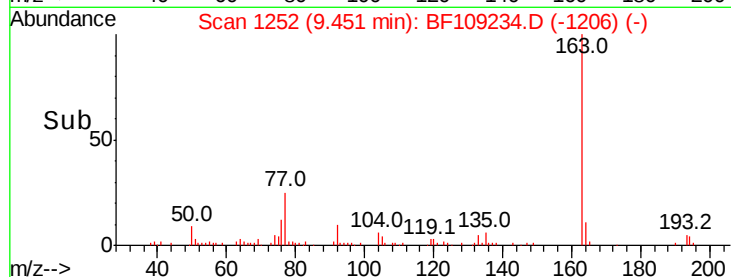
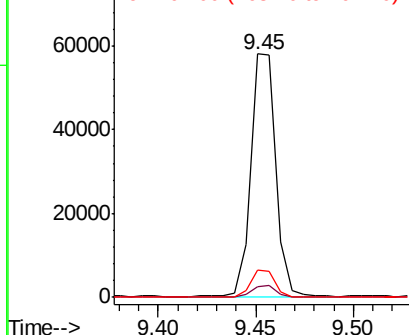
163 100

194 4.2 2.7 4.1#

164 11.0 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



#53

2,4-Dinitrophenol

Concen: 8.626 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.13 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

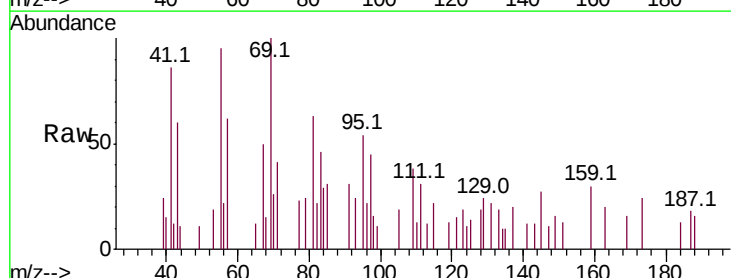
Tgt Ion:184 Resp: 138

Ion Ratio Lower Upper

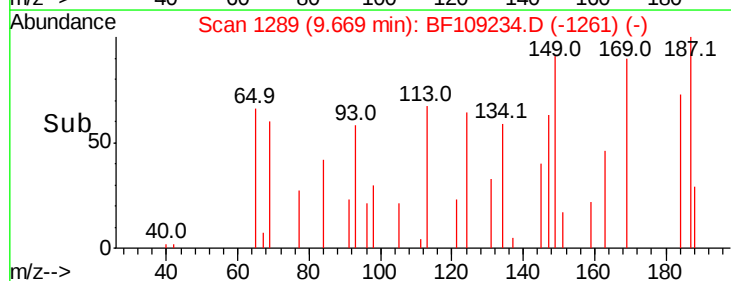
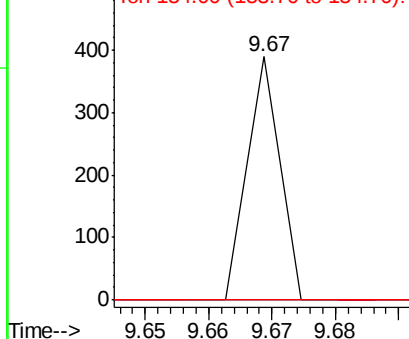
184 100

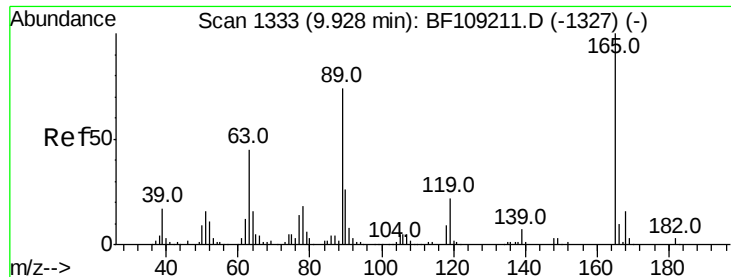
63 0.0 54.2 81.2#

154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

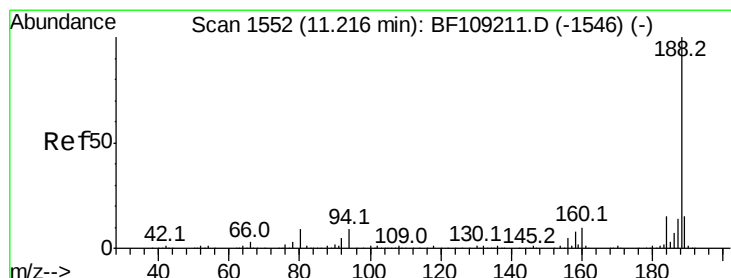
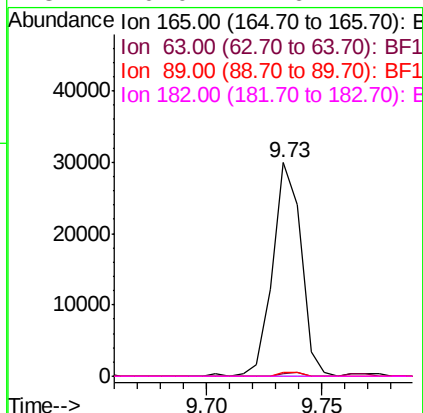
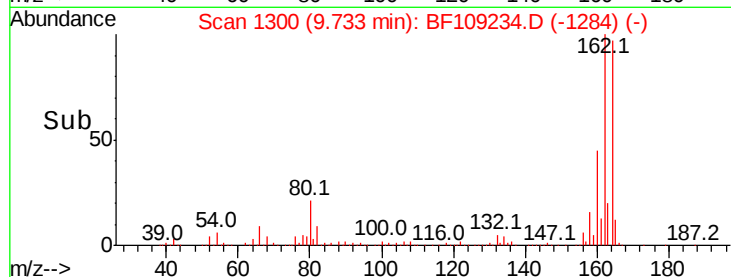
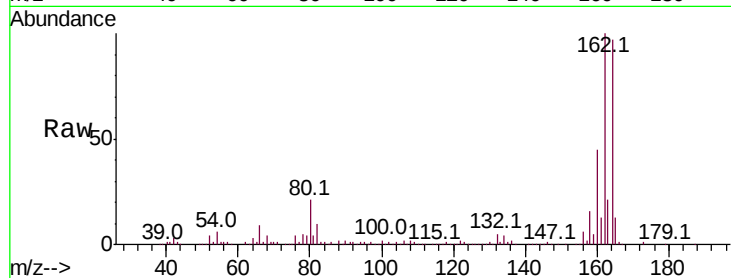




#56
 2,4-Dinitrotoluene
 Concen: 7.241 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109234.D
 Acq: 22 Sep 2018 21:01

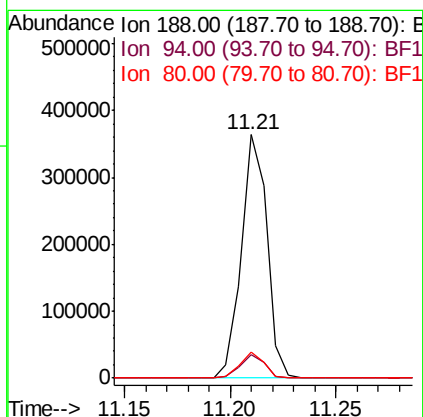
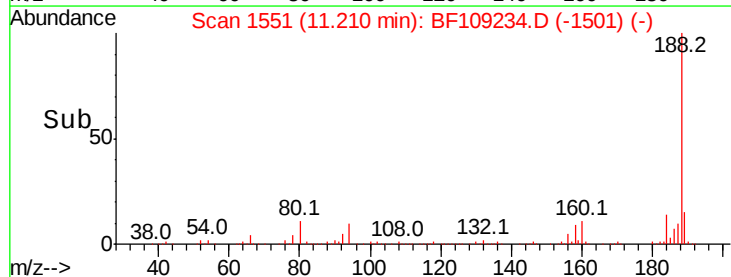
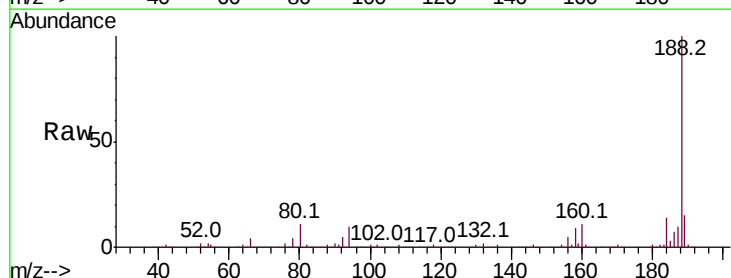
Instrument :
 BNA_F
 ClientSampleId :

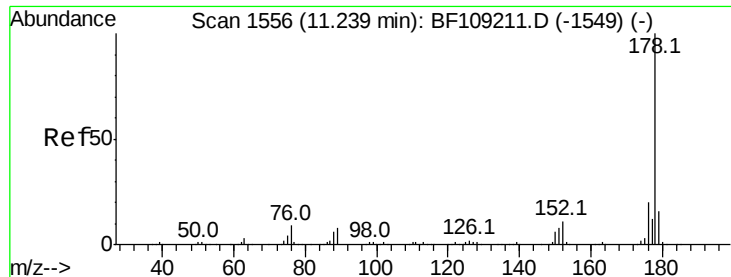
Tot Ion:165	Resp: 25590
Ion Ratio	Lower Upper
165 100	
63 1.5	36.4 54.6#
89 1.7	57.8 86.6#
182 0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109234.D
 Acq: 22 Sep 2018 21:01

Tgt Ion	188	Resp: Lower	305320 Upper
	Ratio		
188	100		
94	9.9	8.5	12.7
80	10.8	9.2	13.8





#70

Phenanthrene

Concen: 2.947 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

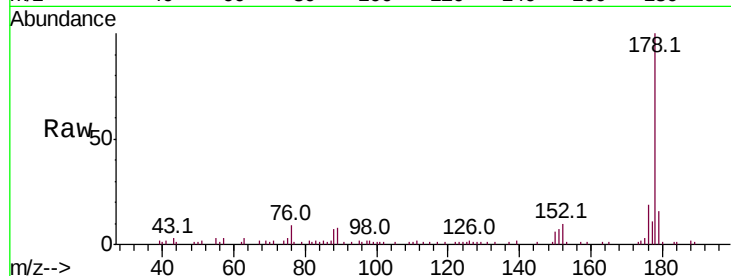
Tot Ion:178 Resp: 44931

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

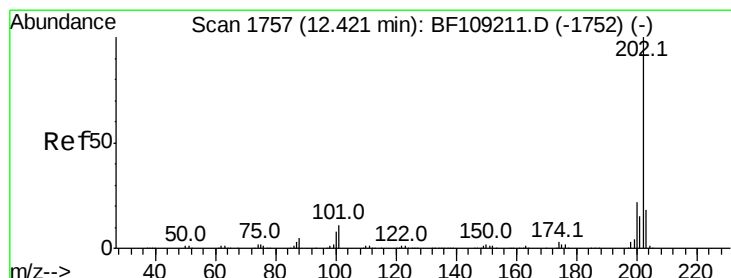
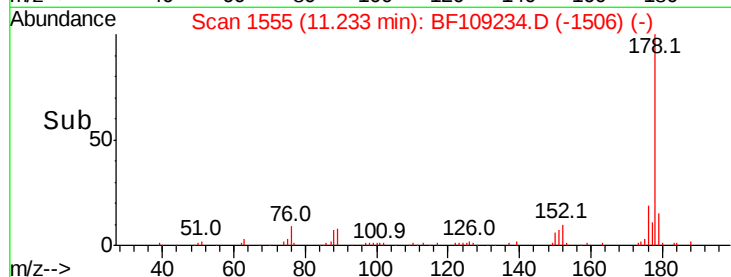
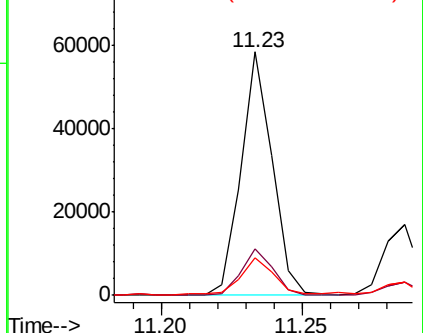
179 15.7 13.0 19.6



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: 4.585 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

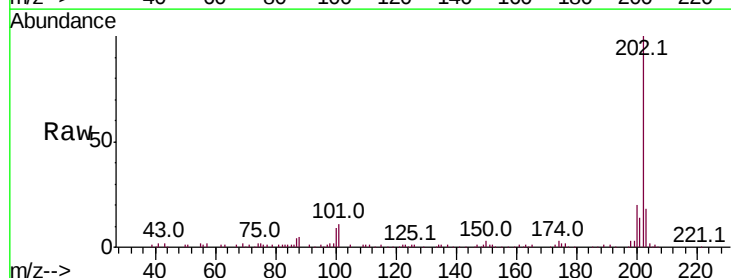
Tgt Ion:202 Resp: 74694

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

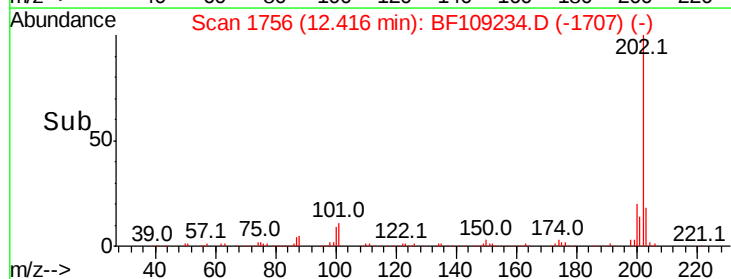
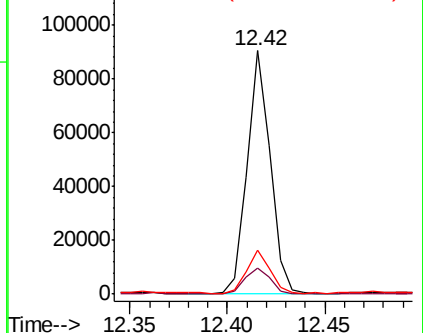
203 17.9 0.0 38.1

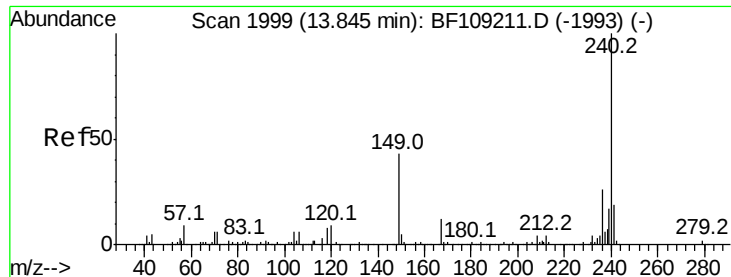


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

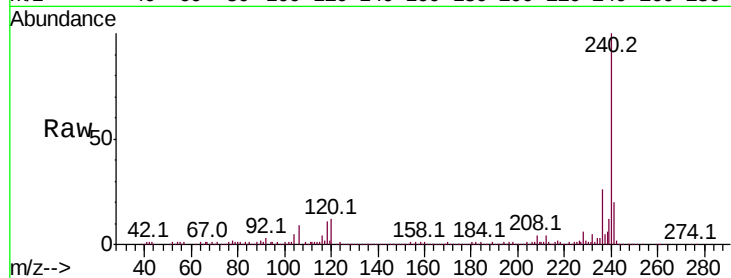
Tot Ion:240 Resp: 235185

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

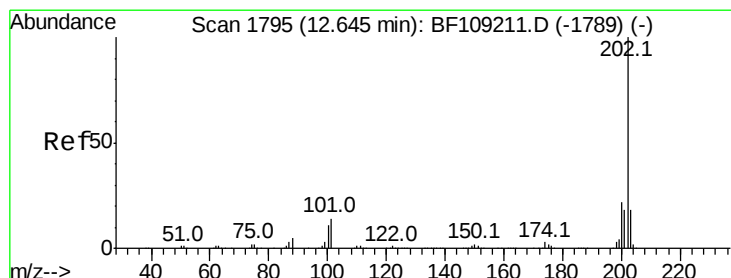
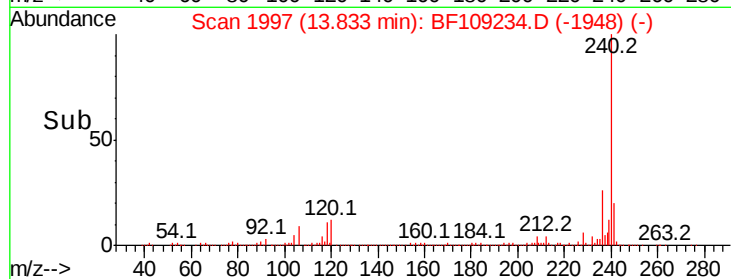
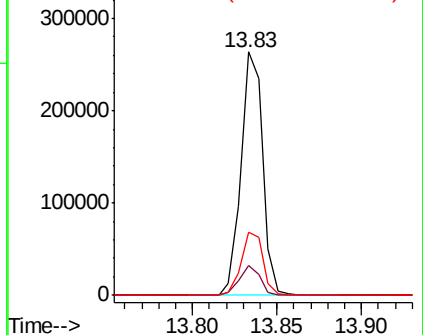
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.202 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

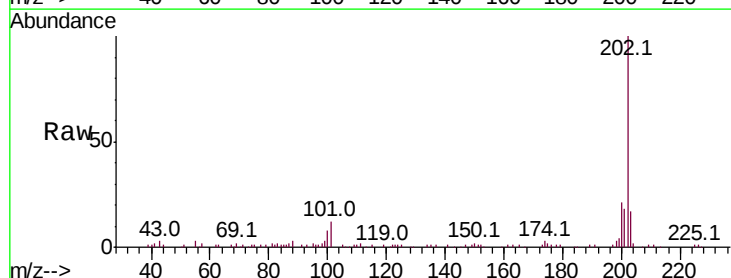
Tgt Ion:202 Resp: 70833

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

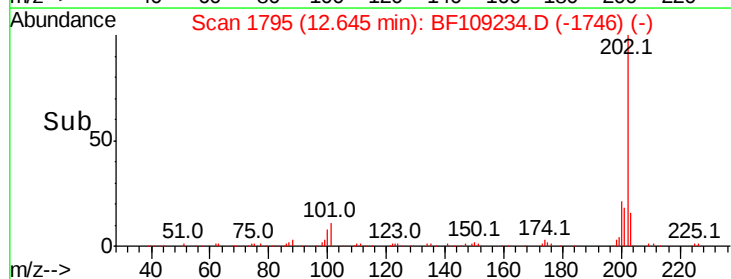
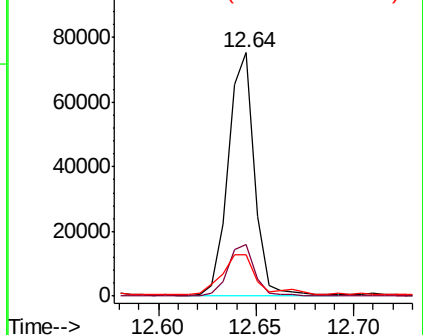
203 17.0 14.3 21.5

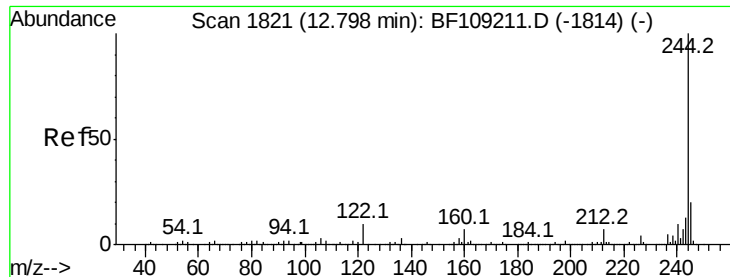


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.644 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

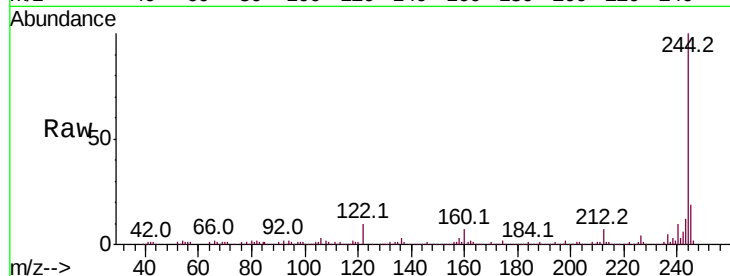
Tot Ion:244 Resp: 149921

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

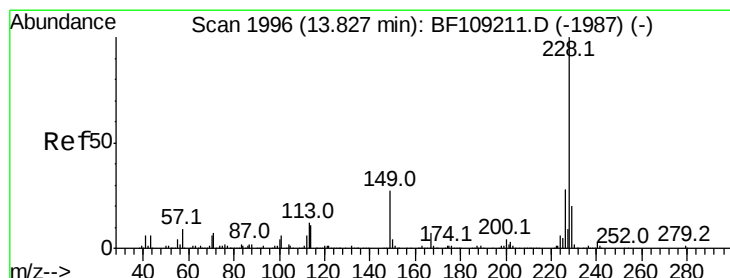
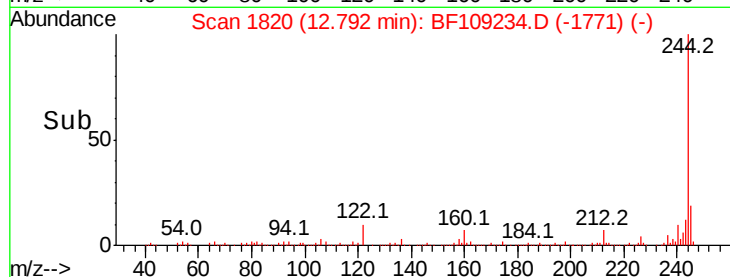
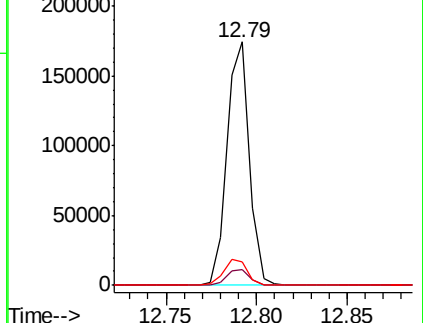
122 9.9 11.0 16.4#



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: 2.573 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

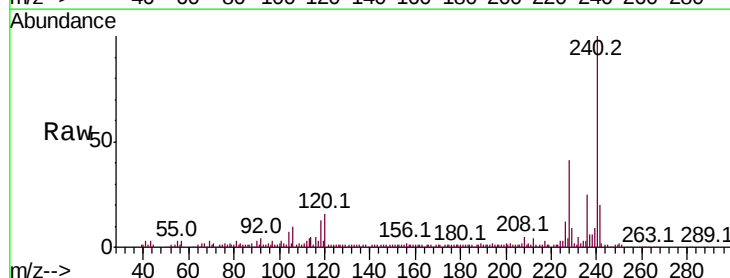
Tgt Ion:228 Resp: 36445

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

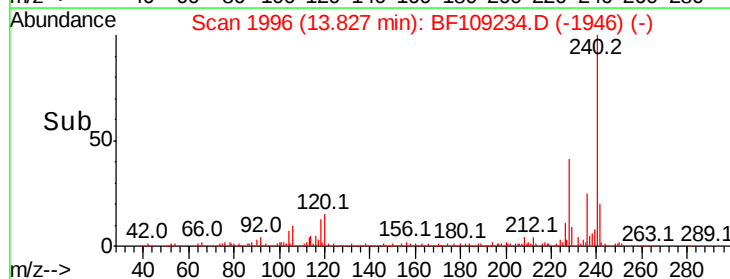
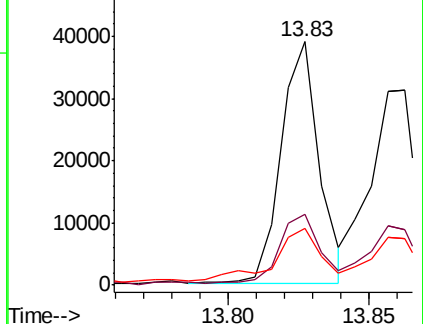
229 23.2 15.8 23.6

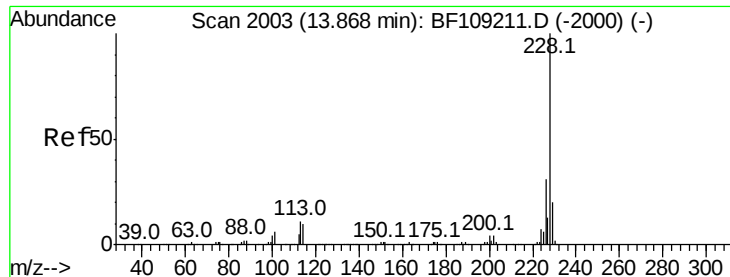


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.576 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampled :

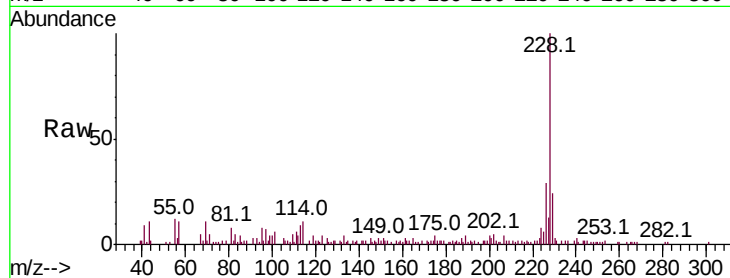
Tot Ion:228 Resp: 36175

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

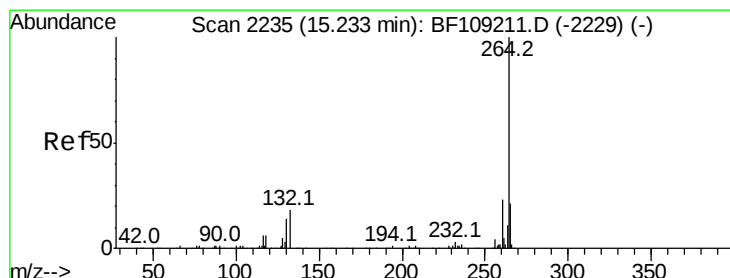
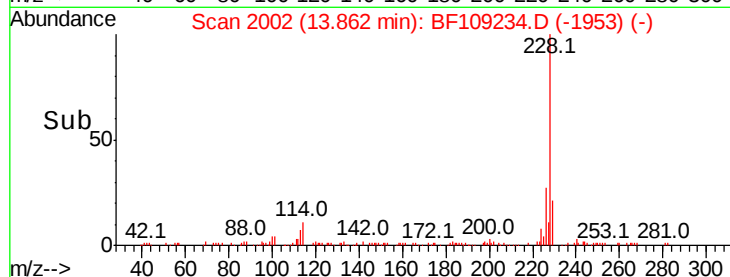
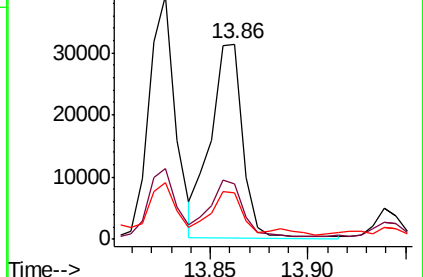
229 23.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

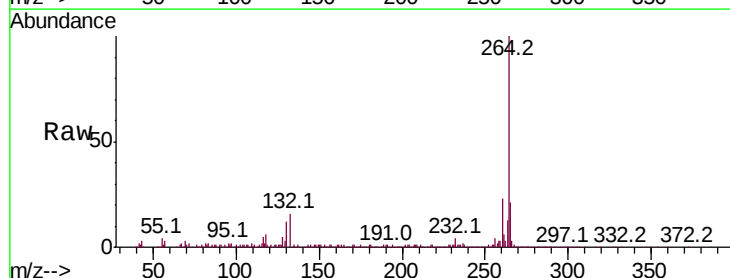
Tgt Ion:264 Resp: 206496

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

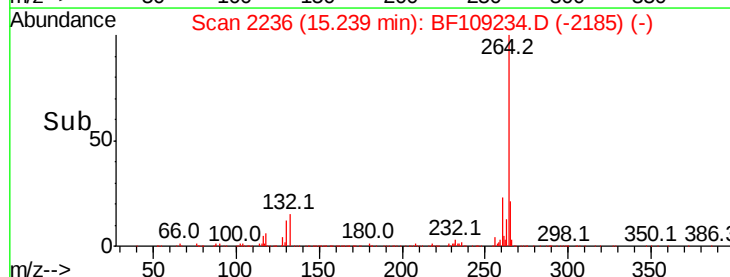
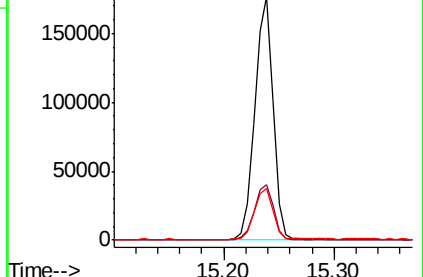
265 21.3 17.5 26.3

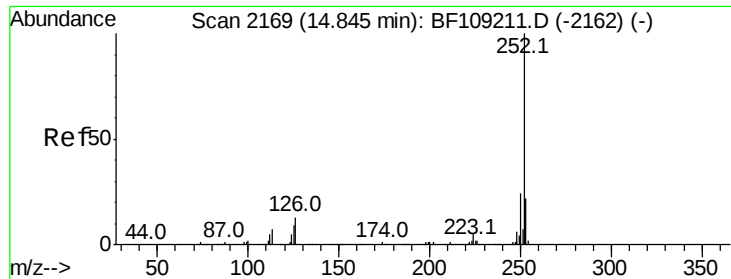


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

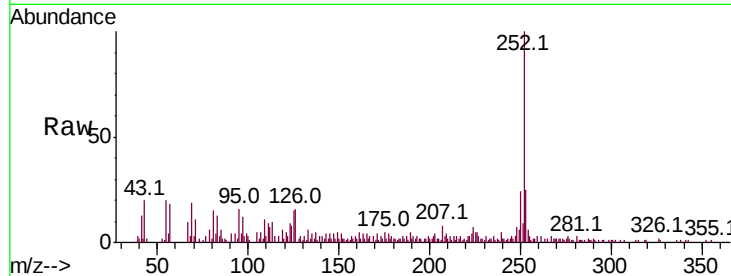




#87
Benzo(b)fluoranthene
Concen: 4.335 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109234.D
Acq: 22 Sep 2018 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	14.8	9.0	13.6

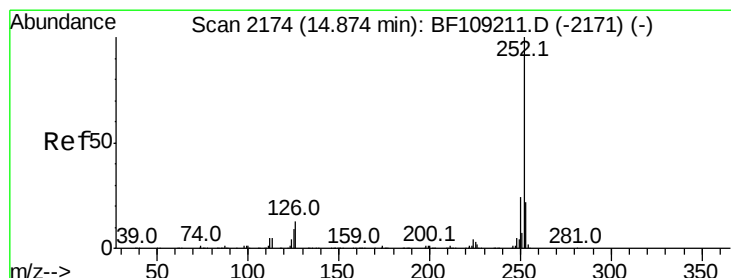
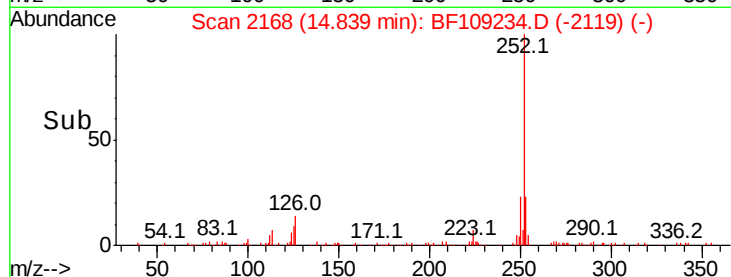
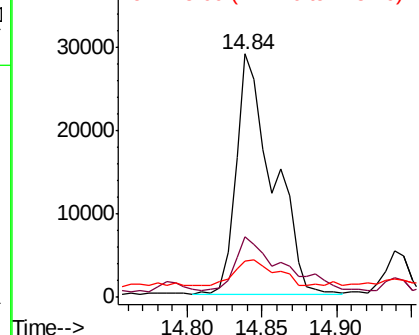


Abundance

Ion 252.00 (251.70 to 252.70): E

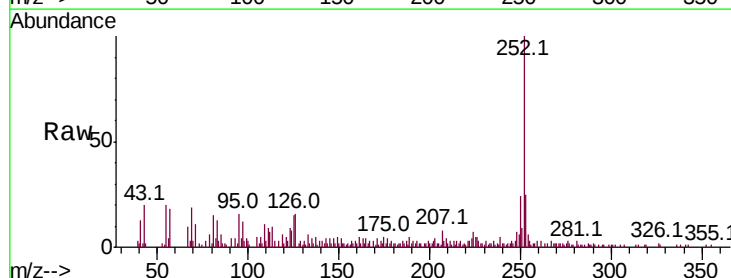
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.568 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109234.D
Acq: 22 Sep 2018 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	14.8	10.2	15.2

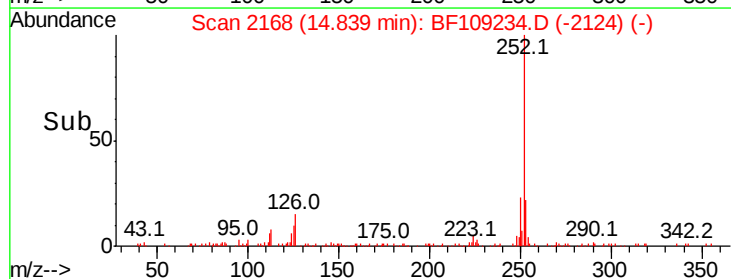
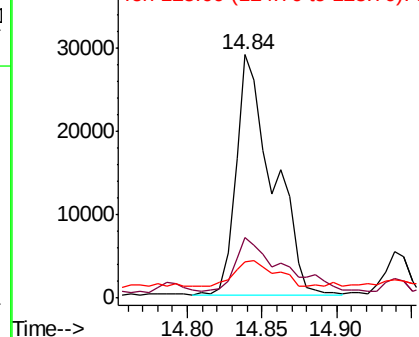


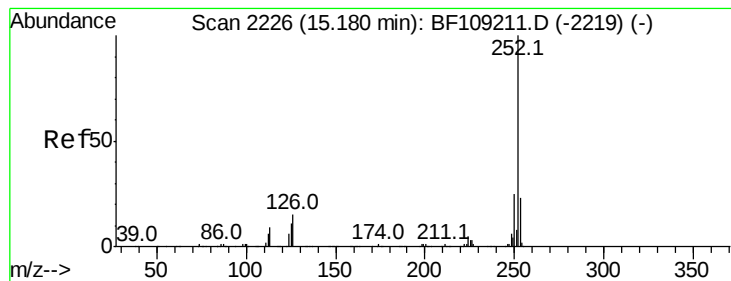
Abundance

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: 2.506 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF109234.D

Acq: 22 Sep 2018 21:01

Instrument :

BNA_F

ClientSampleId :

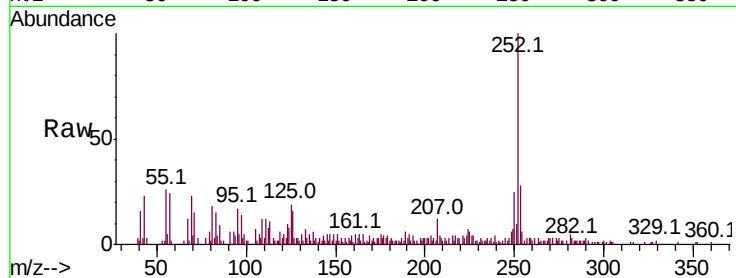
Tot Ion:252 Resp: 25623

Ion Ratio Lower Upper

252 100

253 27.6 17.1 25.7#

125 18.9 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

