

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109302.D
 Acq On : 25 Sep 2018 22:34
 Operator : JU/SJ
 Sample : J5046-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

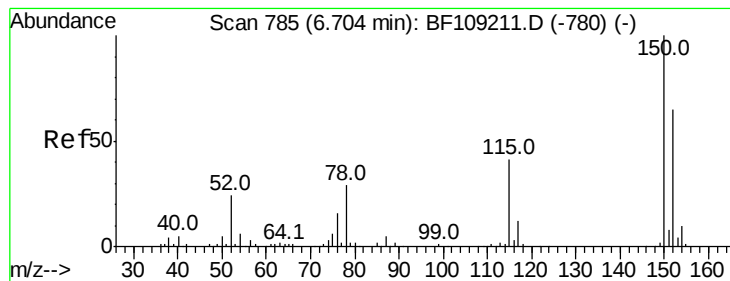
Quant Time: Sep 26 02:29:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	141595	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	537628	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	228107	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	375426	20.00	ng	0.00
75) Chrysene-d12	13.84	240	320742	20.00	ng	0.00
86) Perylene-d12	15.24	264	233944	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	249772	29.05	ng	0.00
7) Phenol-d6	6.34	99	326077	29.73	ng	-0.02
23) Nitrobenzene-d5	7.26	82	189335	20.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	58614	26.07	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	266257	17.60	ng	-0.01
78) Terphenyl-d14	12.80	244	202687	15.51	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	24766	3.445	ng	# 77
25) Isophorone	7.26	82	149344	9.106	ng	# 64
48) Acenaphthylene	9.60	152	58106	2.594	ng	98
49) Dimethylphthalate	9.46	163	92580	5.580	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	30346	9.235	ng	# 25
70) Phenanthrene	11.24	178	239433	12.773	ng	98
74) Fluoranthene	12.42	202	189261	9.448	ng	96
77) Pyrene	12.65	202	276542	12.030	ng	99
80) Benzo(a)anthracene	13.87	228	123975	6.417	ng	96
82) Chrysene	13.87	228	123975	6.474	ng	97
87) Benzo(b)fluoranthene	14.85	252	94701	7.367	ng	96
88) Benzo(k)fluoranthene	14.85	252	94701	7.763	ng	99
89) Benzo(a)pyrene	15.19	252	58203	5.025	ng	99
91) Benzo(a,h,i)perylene	17.00	276	34260	3.668	ng	# 92

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

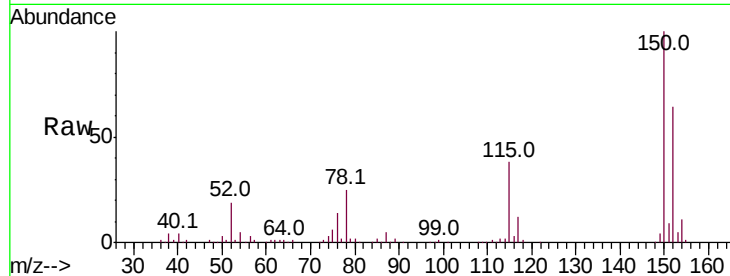


#1

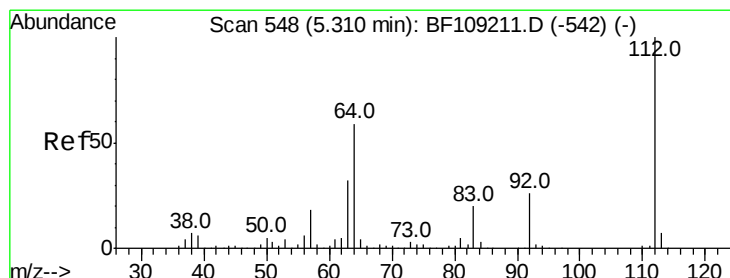
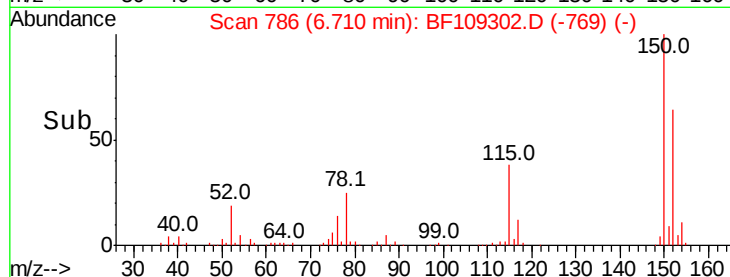
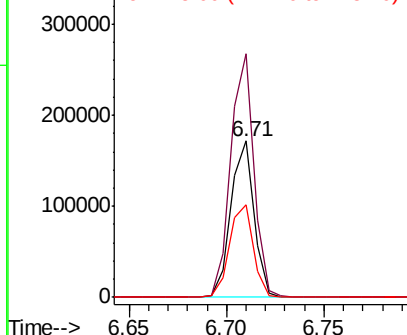
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141595
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 59.3 50.1 75.1



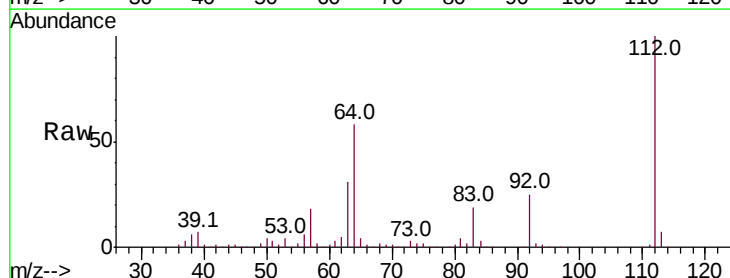
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



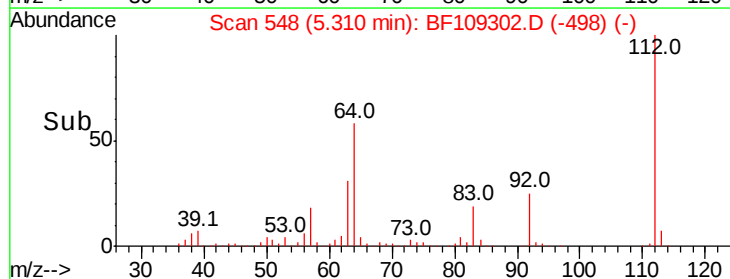
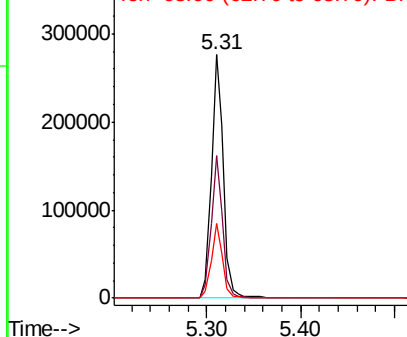
#5

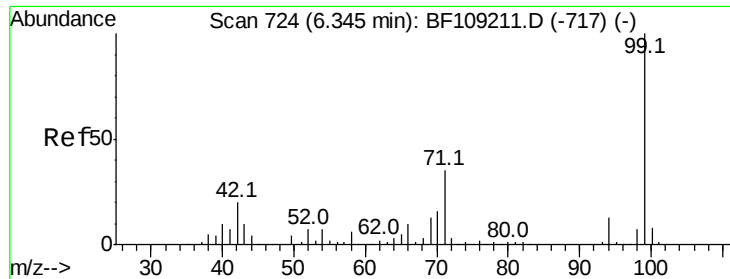
2-Fluorophenol
Concen: 29.054 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:112 Resp: 249772
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 30.5 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: 29.725 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

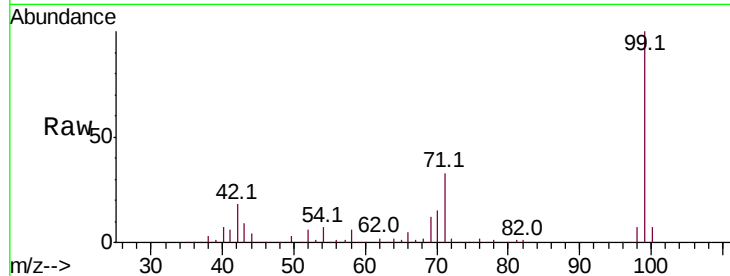
Tot Ion: 99 Resp: 326077

Ion Ratio Lower Upper

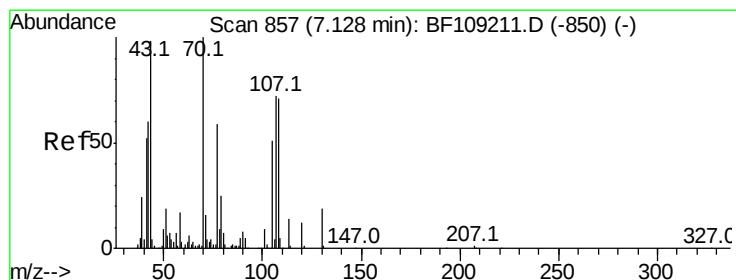
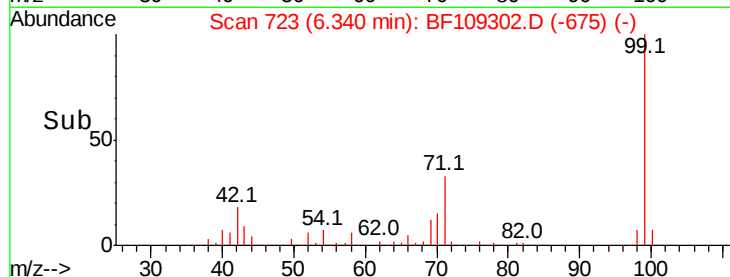
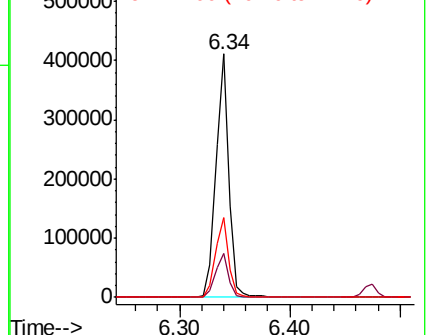
99 100

42 18.2 14.5 21.7

71 32.7 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: 3.445 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Tgt Ion: 70 Resp: 24766

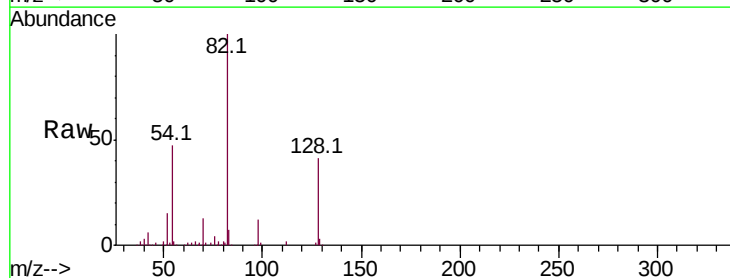
Ion Ratio Lower Upper

70 100

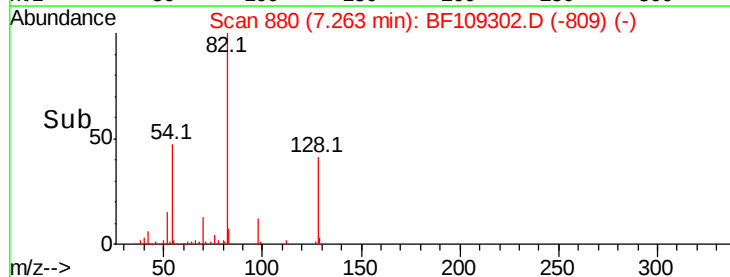
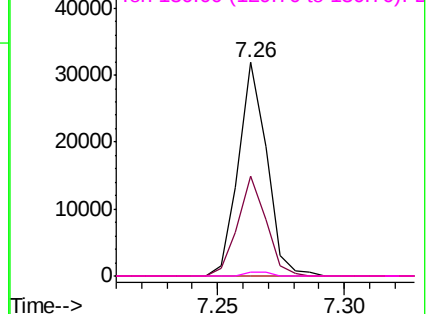
42 46.6 47.5 71.3#

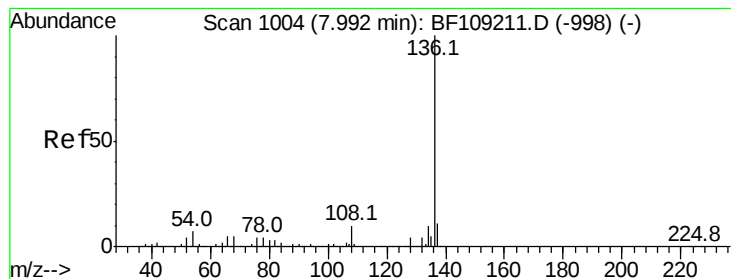
101 0.0 7.4 11.2#

130 1.9 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# 1004

Delta R.T. 0.00 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 537628

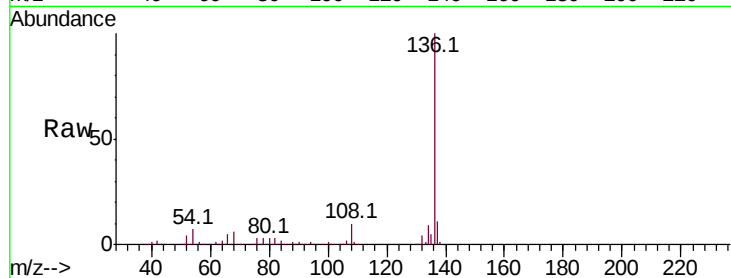
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.8 6.6 9.8

68 5.6 5.0 7.4

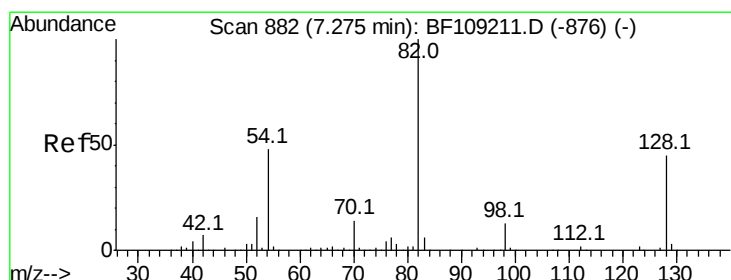
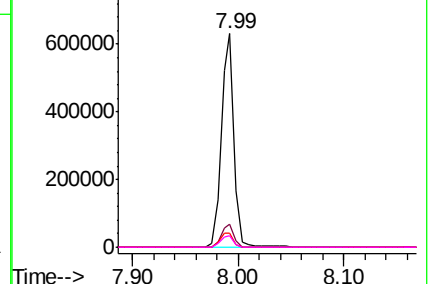
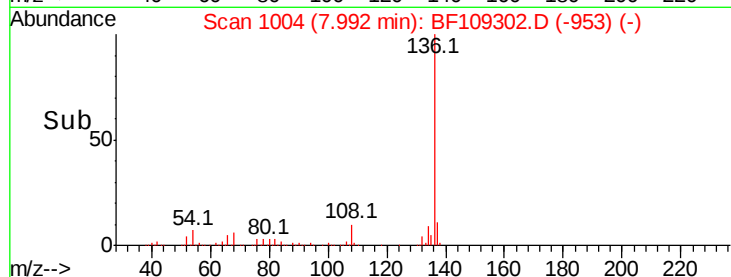


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.789 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

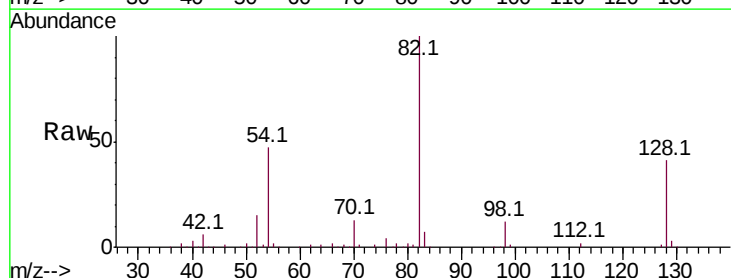
Tgt Ion: 82 Resp: 189335

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

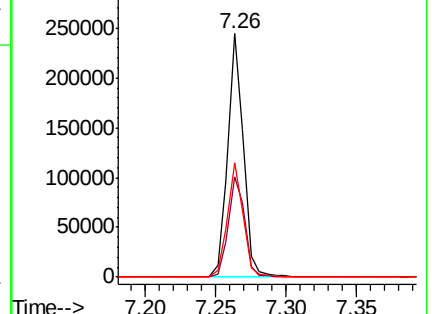
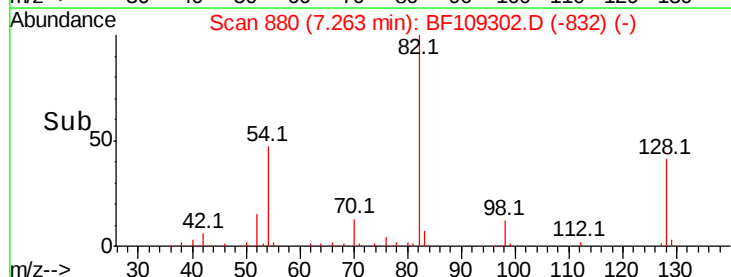
54 47.0 41.4 62.2

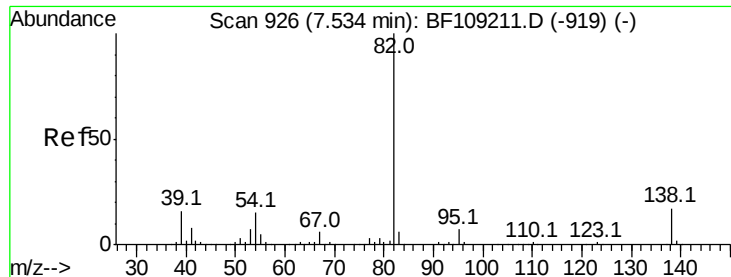


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.106 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

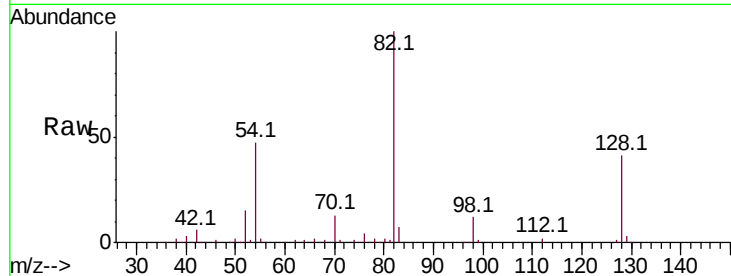
Tot Ion: 82 Resp: 149344

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

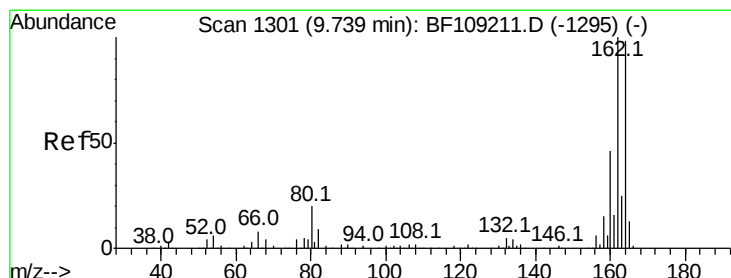
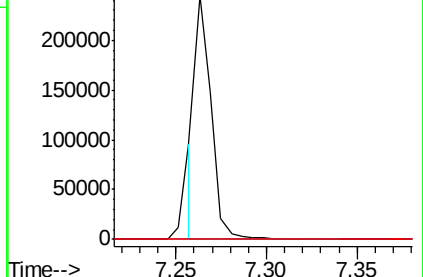
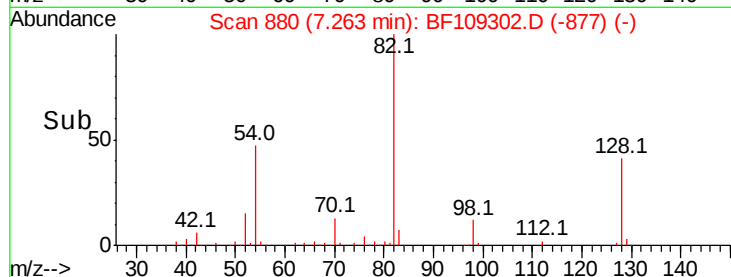
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

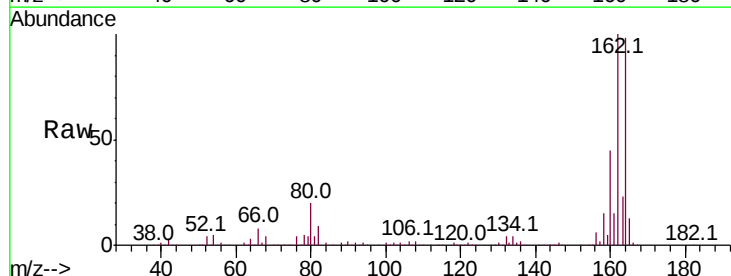
Tgt Ion:164 Resp: 228107

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

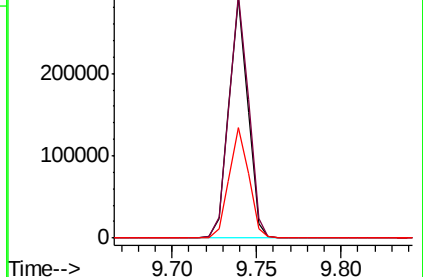
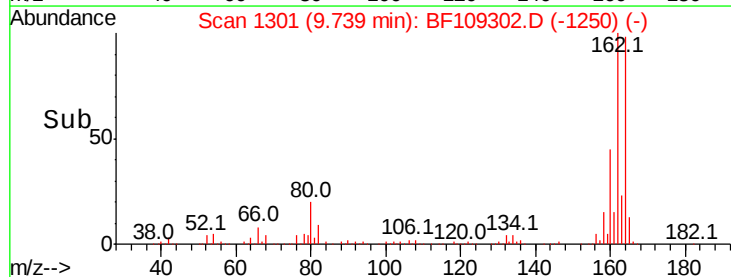
160 46.1 38.3 57.5

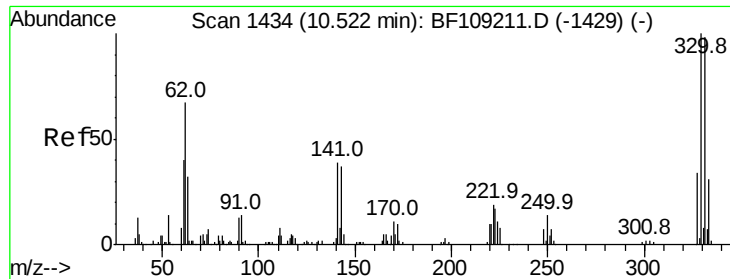


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

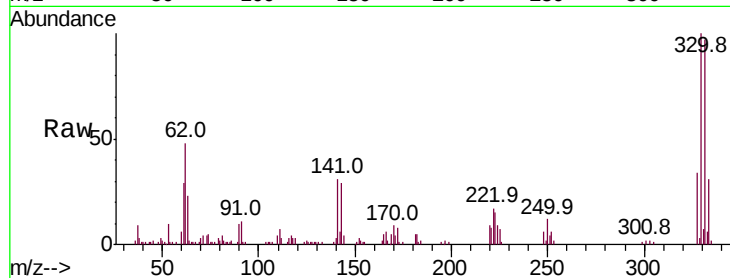




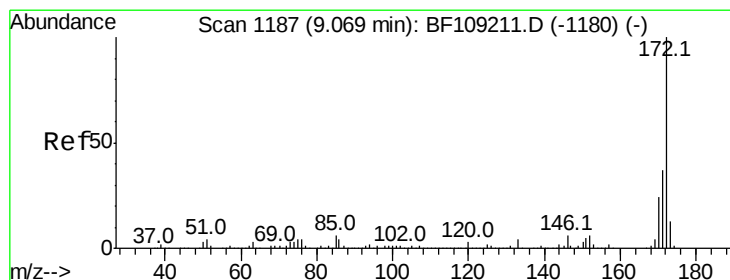
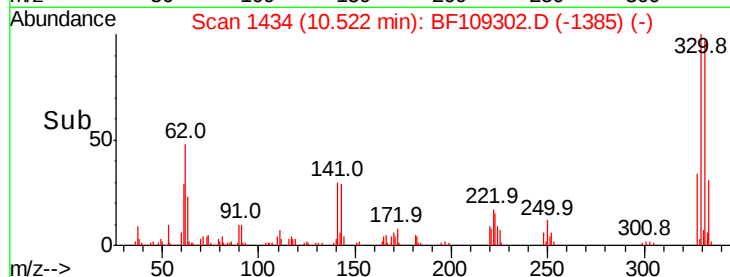
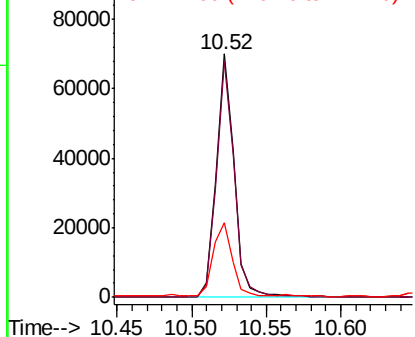
#41
 2,4,6-Tribromophenol
 Concen: 26.066 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 58614
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 31.4 29.9 44.9

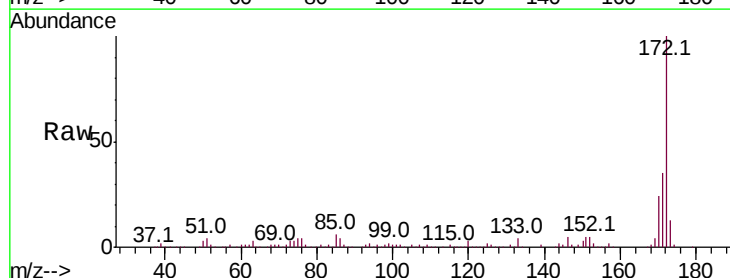


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

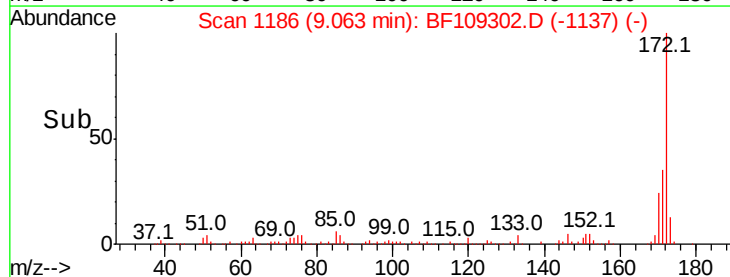
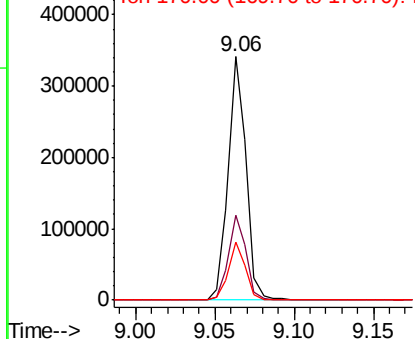


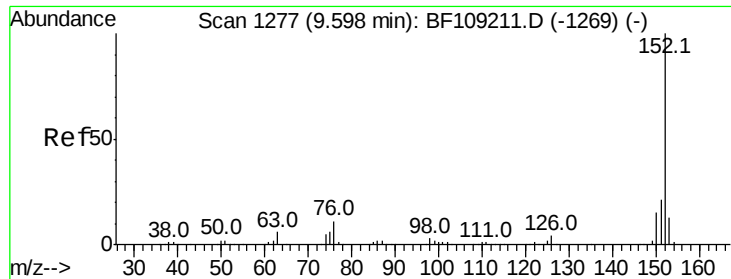
#44
 2-Fluorobiphenyl
 Concen: 17.604 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

Tgt Ion:172 Resp: 266257
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.7 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





#48

Acenaphthylene

Concen: 2.594 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

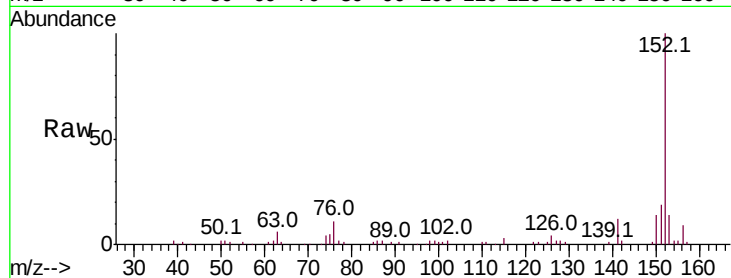
Tot Ion:152 Resp: 58106

Ion Ratio Lower Upper

152 100

151 19.2 16.3 24.5

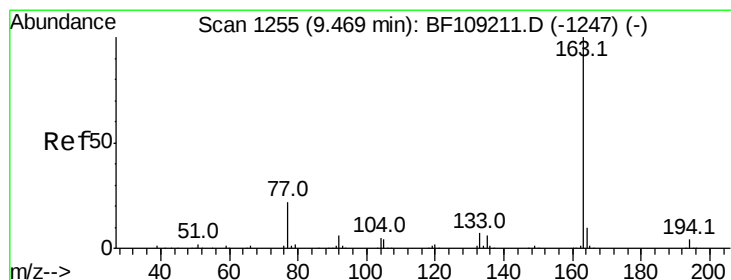
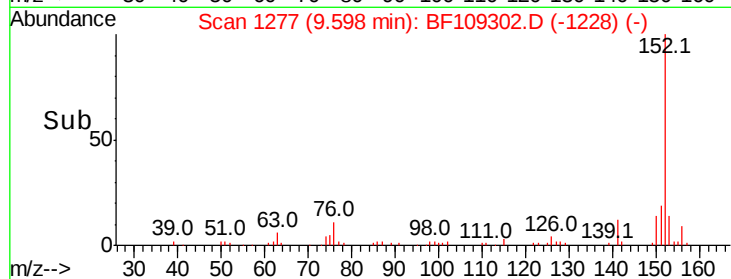
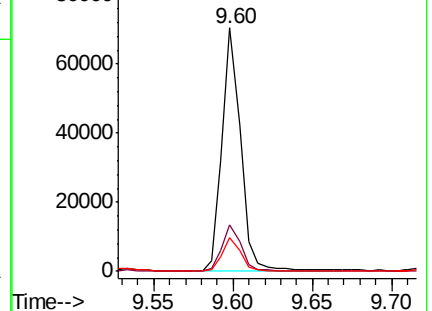
153 14.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.580 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

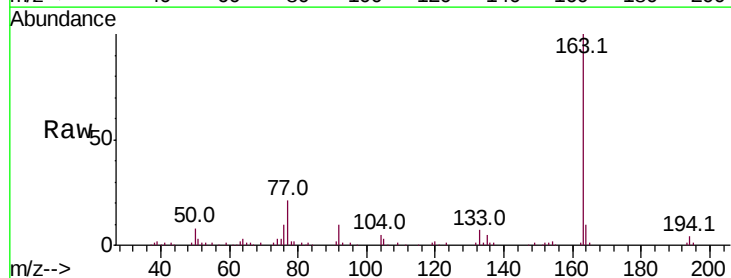
Tgt Ion:163 Resp: 92580

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

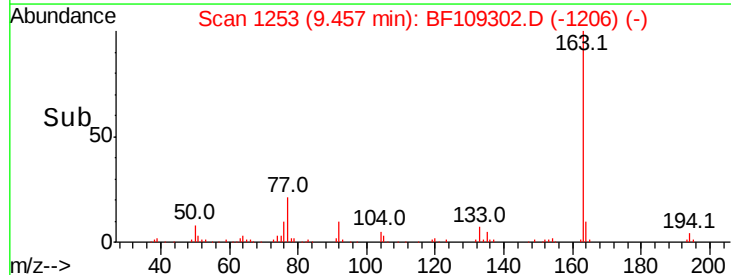
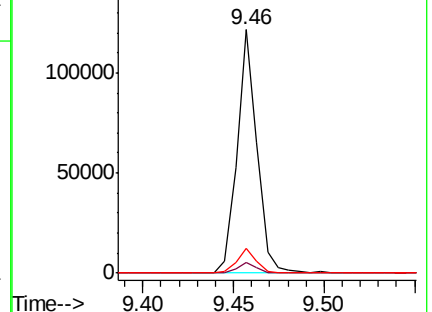
164 10.3 8.2 12.2

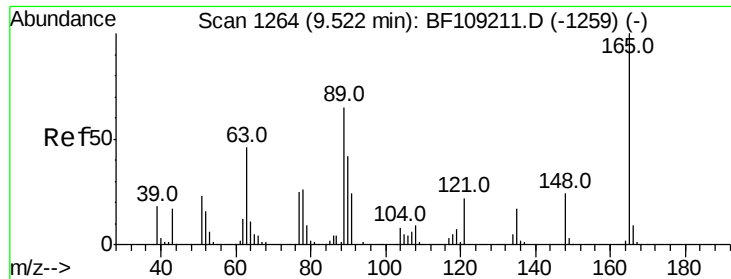


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

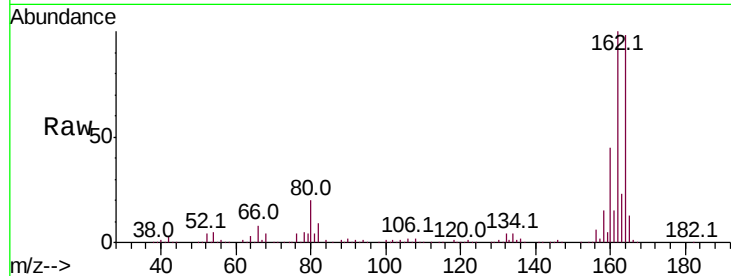




#50
 2,6-Dinitrotoluene
 Concen: 9.235 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

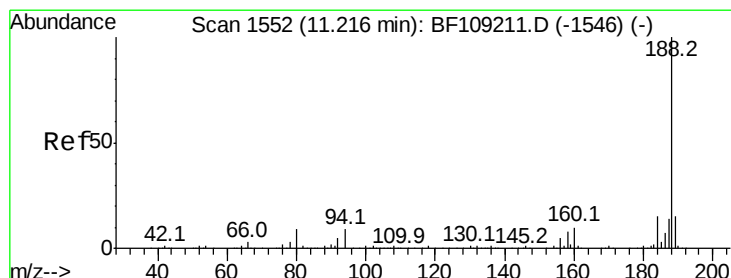
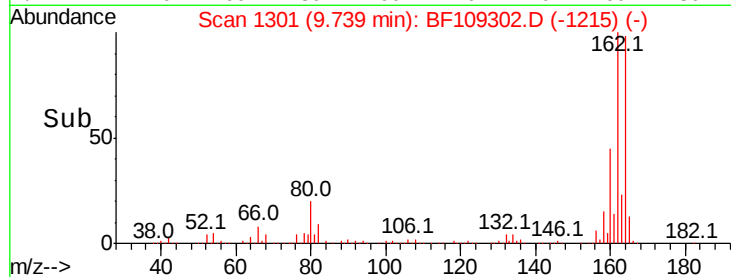
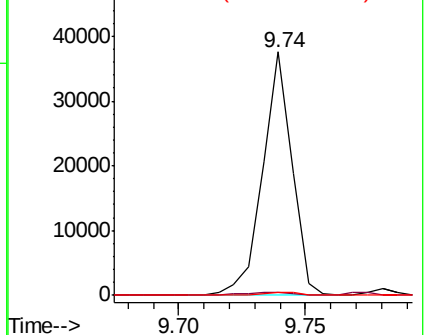
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

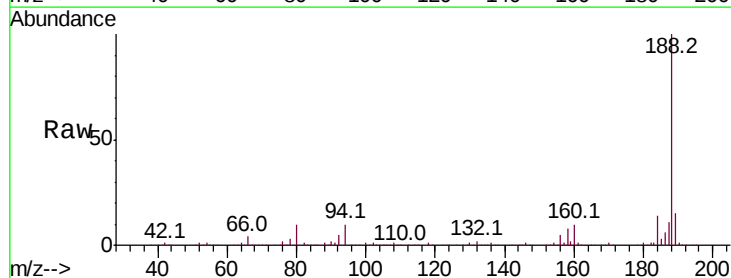
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

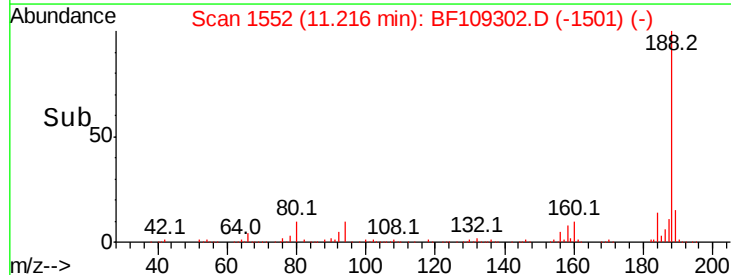
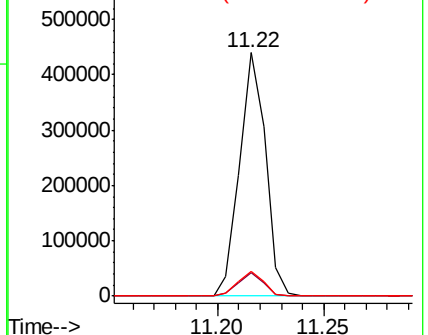
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.1	9.2	13.8

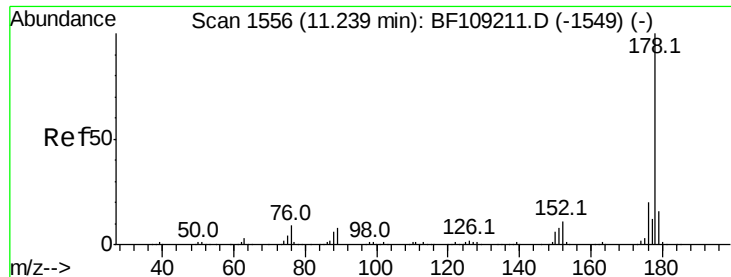


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

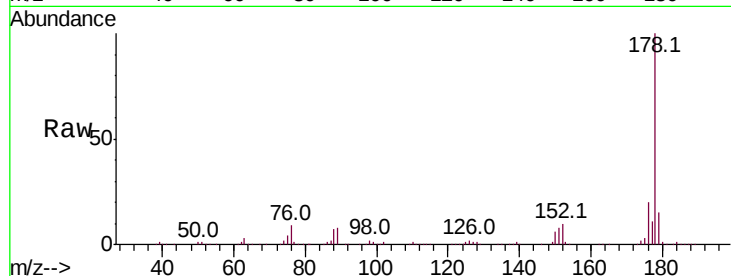




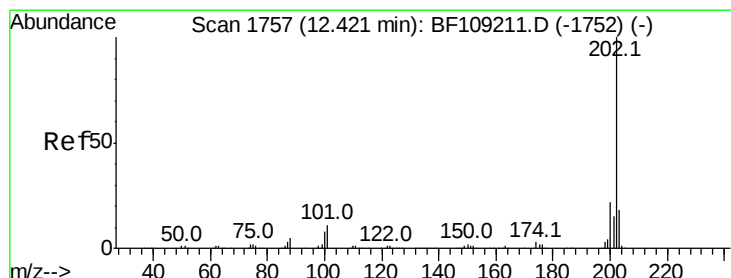
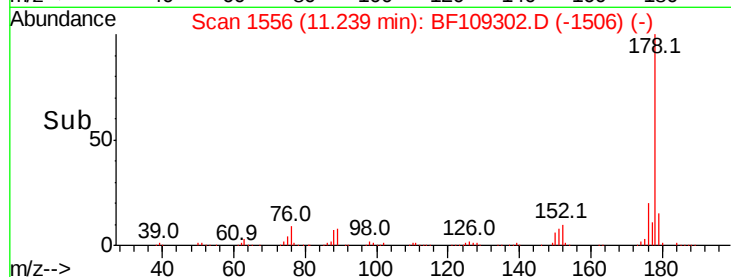
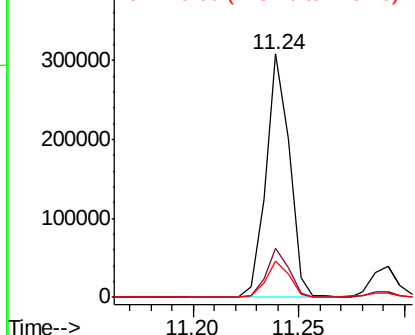
#70
Phenanthrene
Concen: 12.773 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 239433
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.1 13.0 19.6

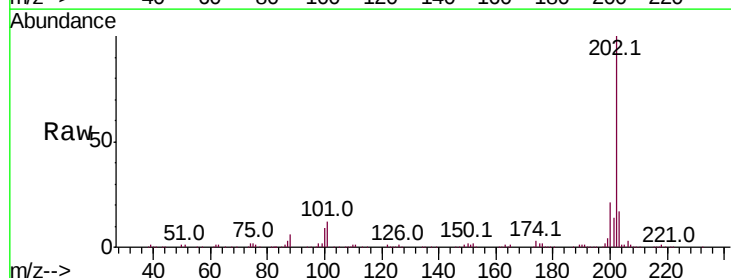


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

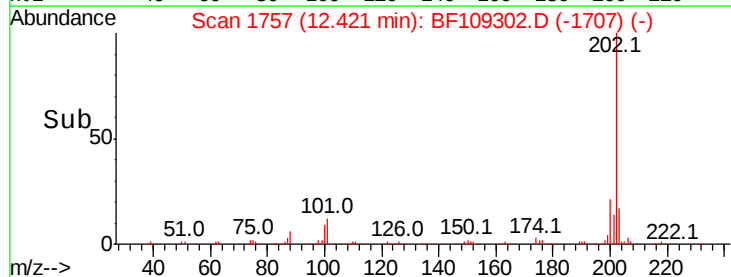
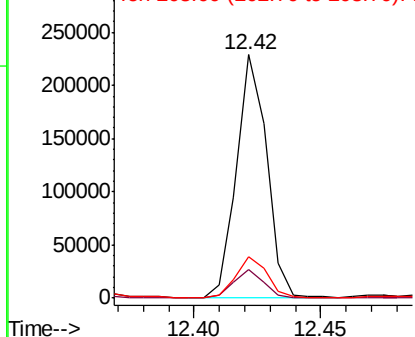


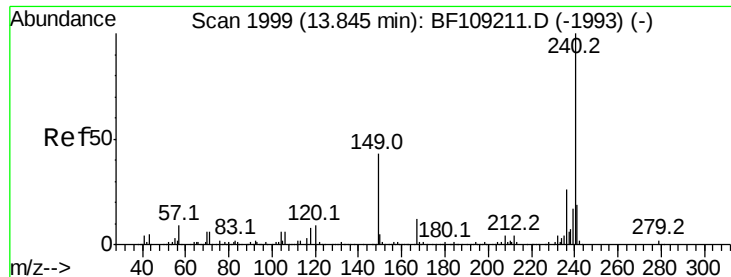
#74
Fluoranthene
Concen: 9.448 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:202 Resp: 189261
Ion Ratio Lower Upper
202 100
101 11.9 0.0 34.1
203 17.1 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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

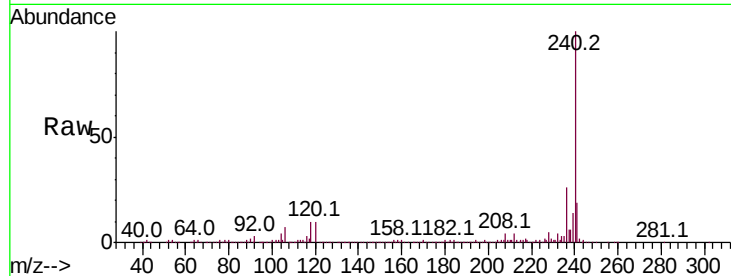
Tot Ion:240 Resp: 320742

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

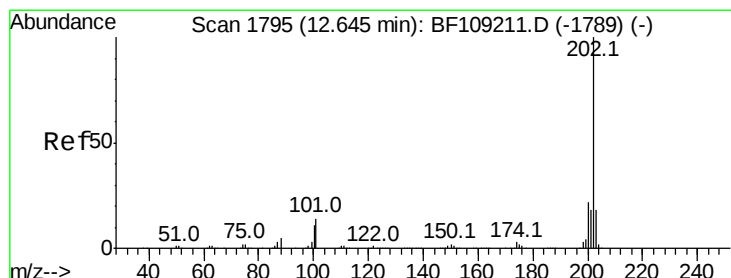
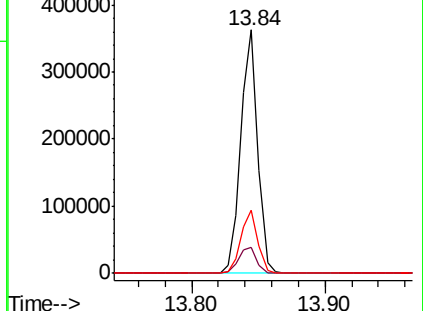
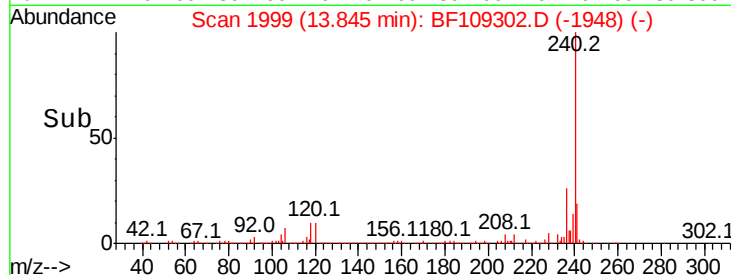
236 25.8 20.7 31.1



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: 12.030 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109302.D

Acq: 25 Sep 2018 22:34

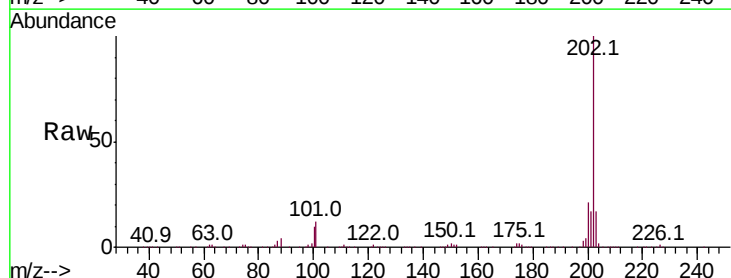
Tgt Ion:202 Resp: 276542

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

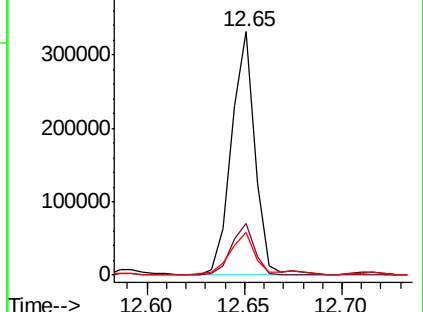
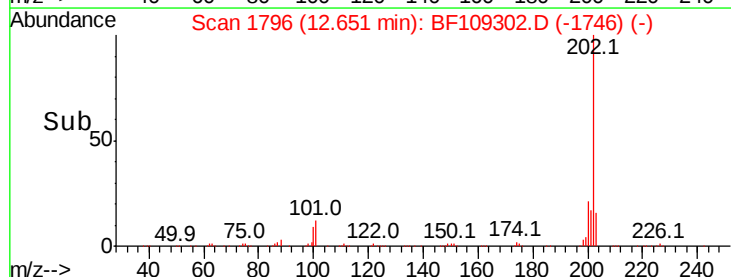
203 17.4 14.3 21.5

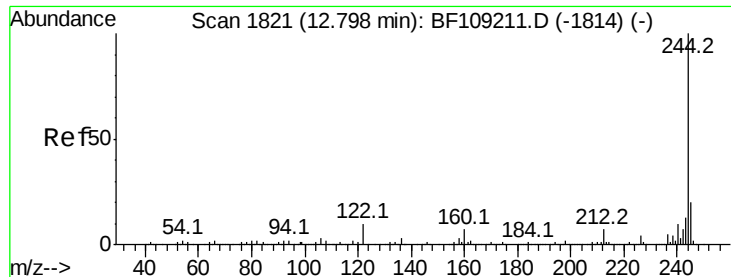


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

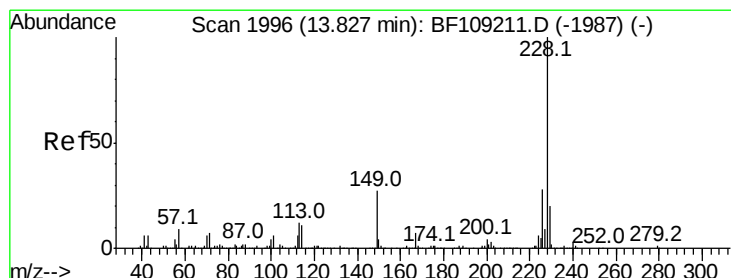
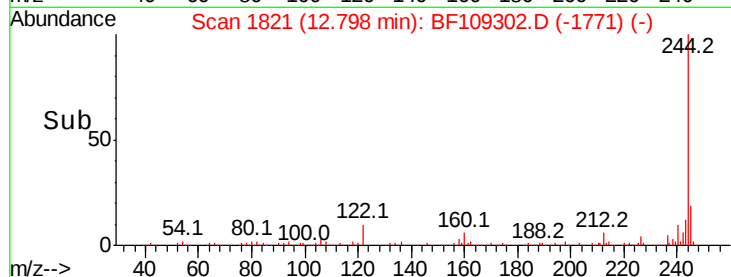
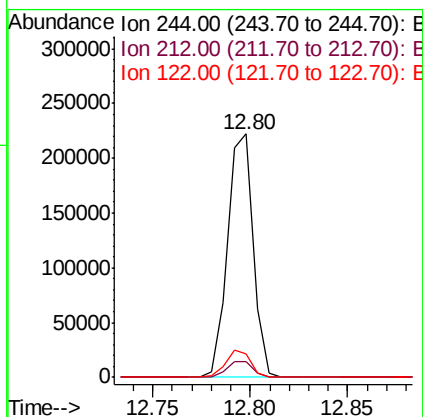
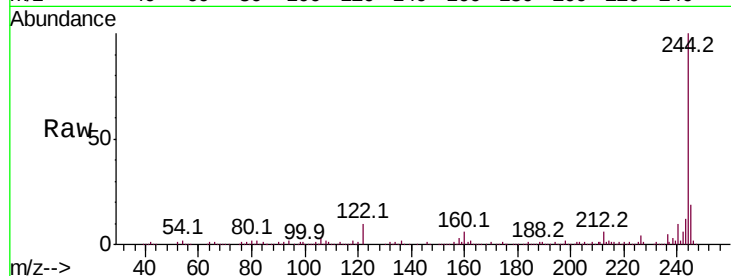




#78
 Terphenyl-d14
 Concen: 15.509 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

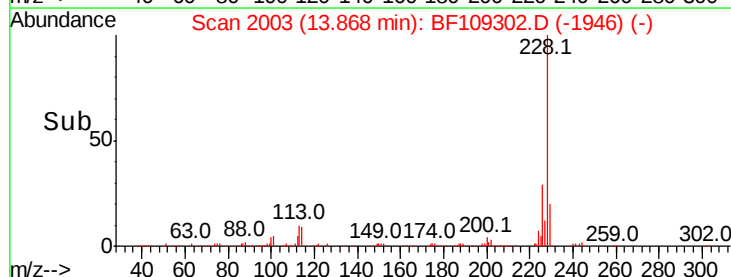
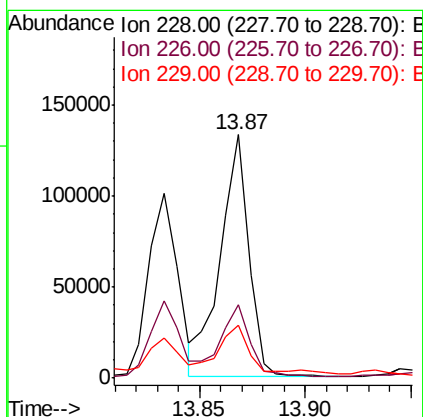
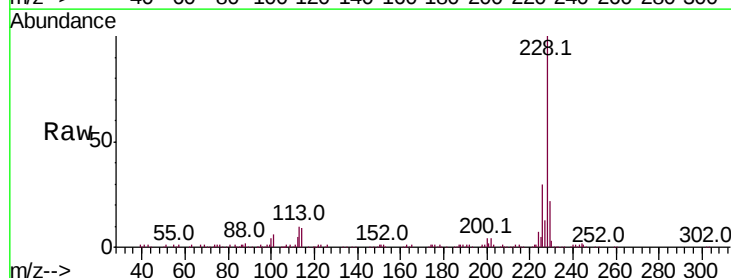
Instrument :
 BNA_F
 ClientSampleId :

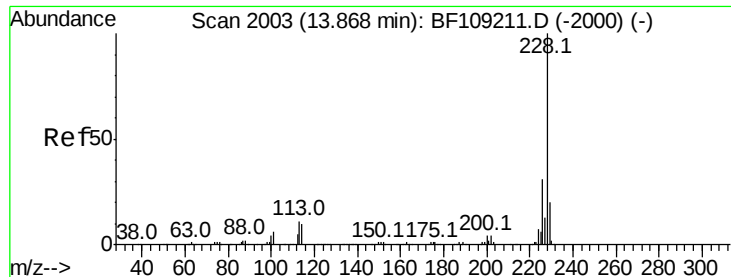
Tot Ion:244 Resp: 202687
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 6.417 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.04 min
 Lab File: BF109302.D
 Acq: 25 Sep 2018 22:34

Tgt Ion:228 Resp: 123975
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 21.6 15.8 23.6

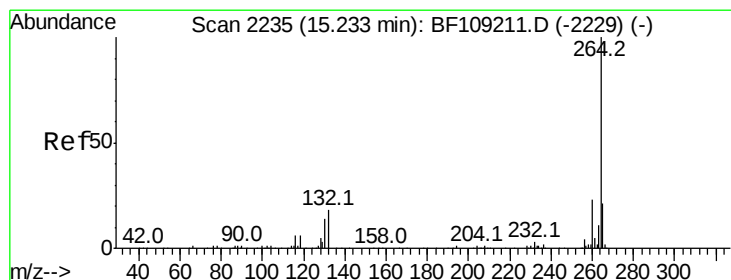
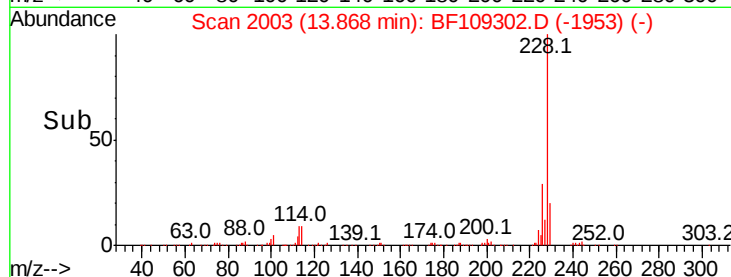
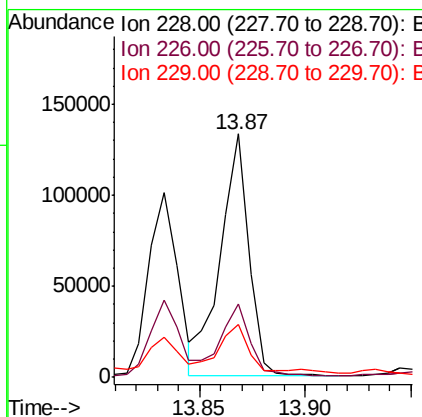
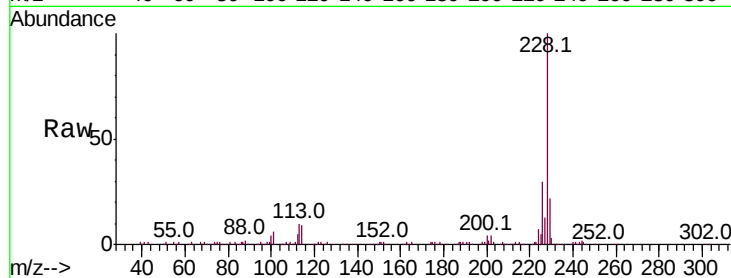




#82
Chrysene
Concen: 6.474 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

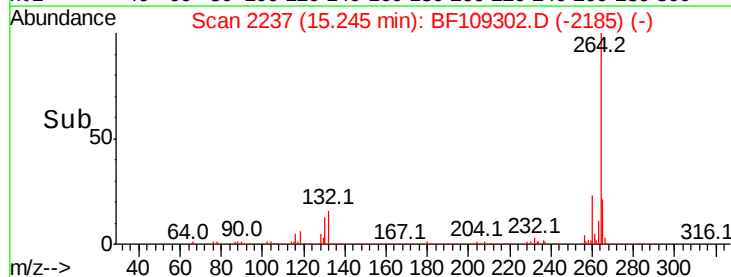
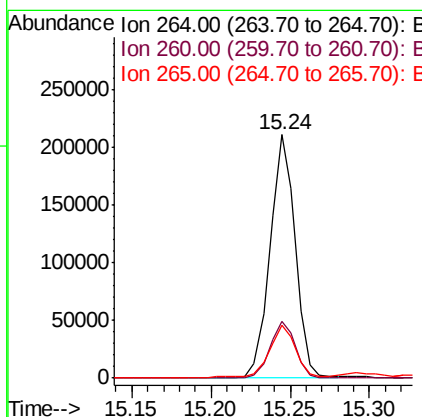
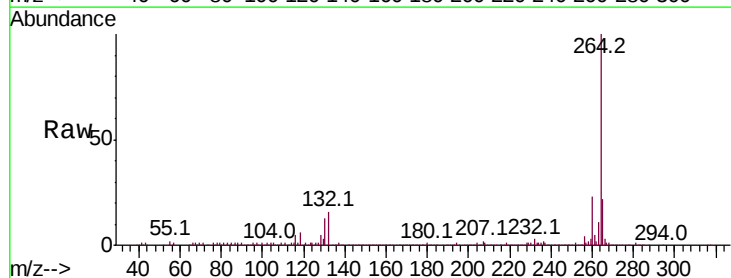
Instrument :
BNA_F
ClientSampleId :

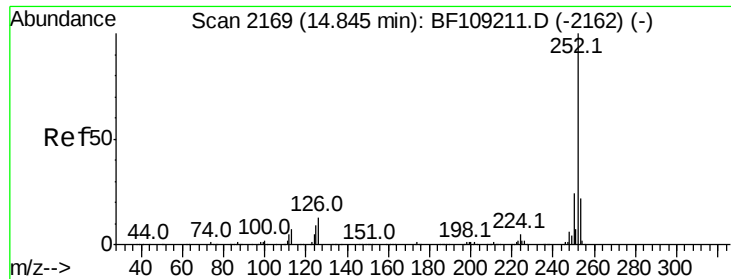
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.6	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.5	26.3

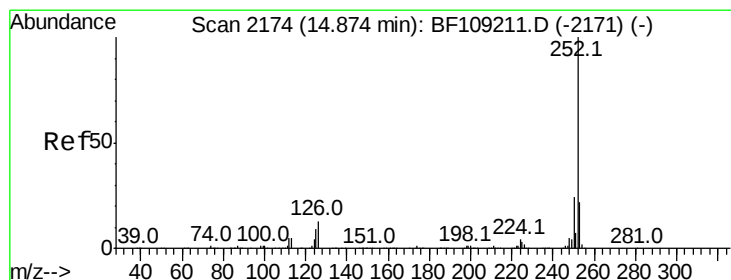
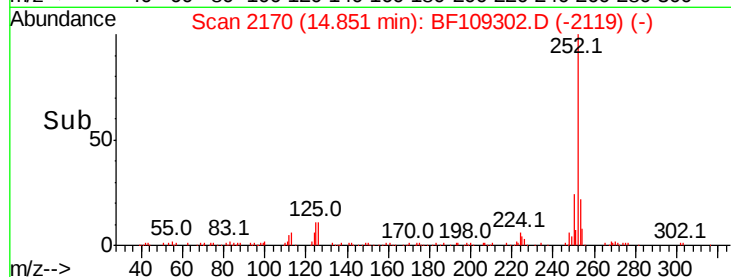
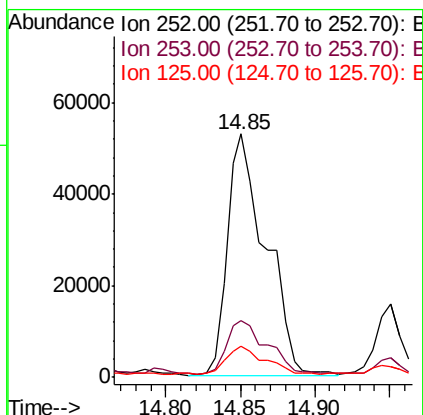
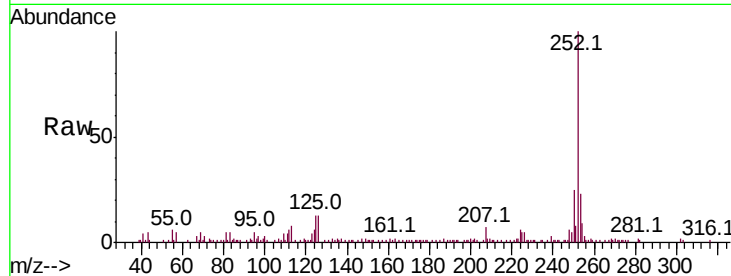




#87
Benzo(b)fluoranthene
Concen: 7.367 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

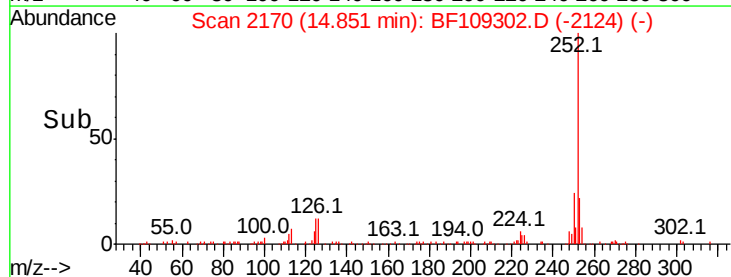
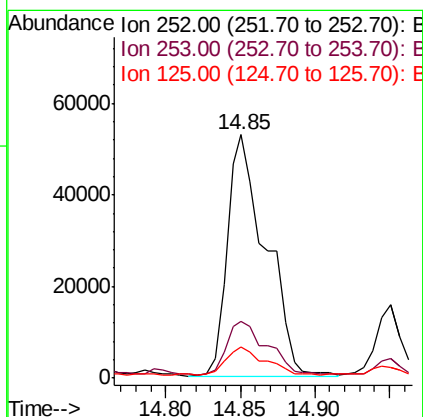
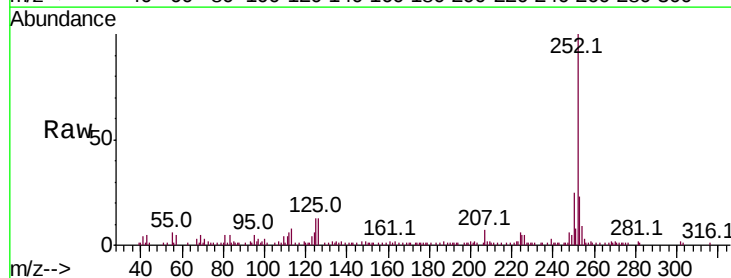
Instrument :
BNA_F
ClientSampleId :

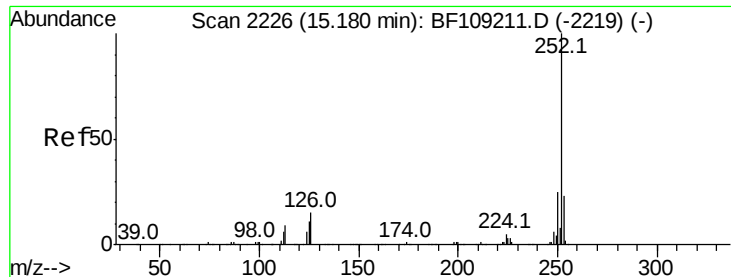
Tot Ion:252 Resp: 94701
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 12.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 7.763 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:252 Resp: 94701
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 12.8 10.2 15.2

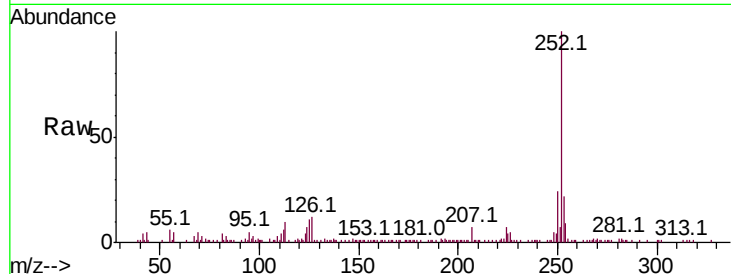




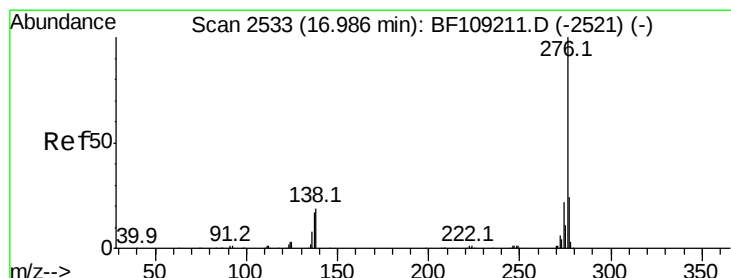
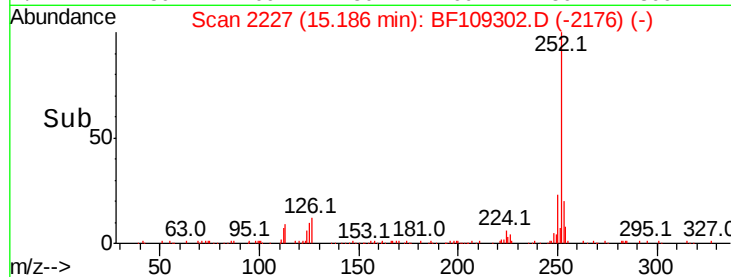
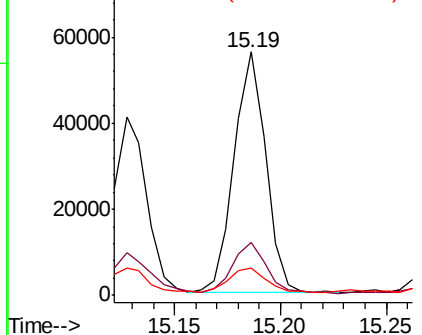
#89
Benzo(a)pyrene
Concen: 5.025 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.4	9.8	14.6

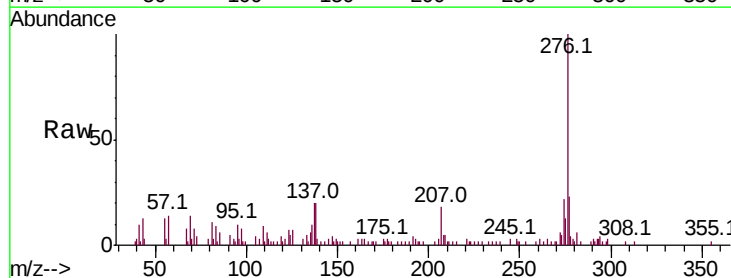


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.668 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	20.3	21.8	32.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

