

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109253.D
 Acq On : 23 Sep 2018 6:27
 Operator : JU/SJ
 Sample : J5017-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:54:47 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	115741	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	431825	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	185631	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	263680	20.00	ng	0.00
75) Chrysene-d12	13.85	240	187425	20.00	ng	0.00
86) Perylene-d12	15.26	264	162899	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	638695	90.89	ng	0.00
7) Phenol-d6	6.35	99	811455	90.50	ng	-0.01
23) Nitrobenzene-d5	7.27	82	507395	69.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	154614	84.49	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	795084	64.60	ng	-0.01
78) Terphenyl-d14	12.81	244	416081	54.48	ng	0.00

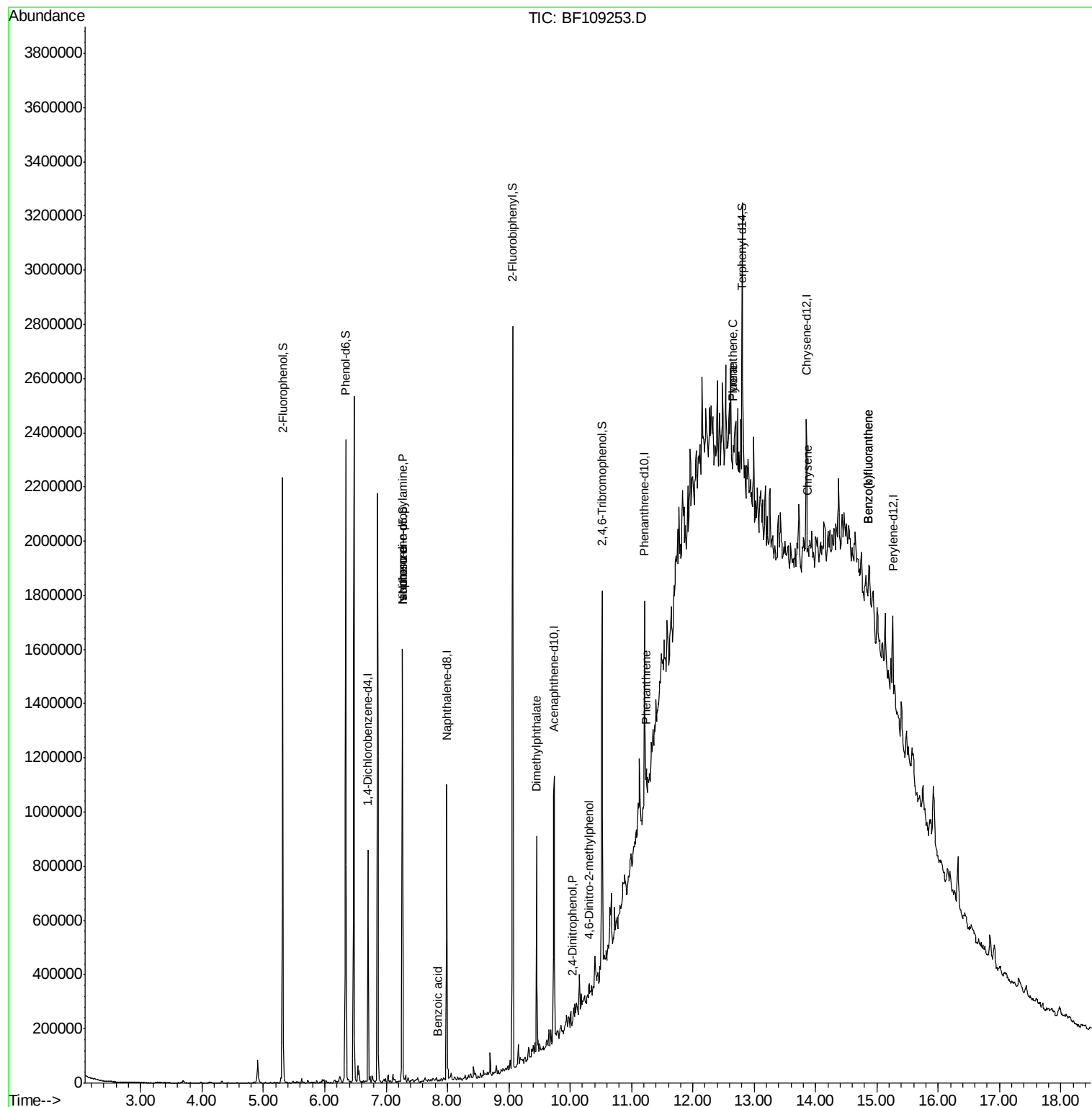
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	70538	12.005	ng	# 79
25) Isophorone	7.27	82	477205	36.227	ng	# 64
32) Benzoic acid	7.85	122	233	6.848	ng	# 31
49) Dimethylphthalate	9.46	163	255227	18.903	ng	# 99
53) 2,4-Dinitrophenol	10.03	184	302	8.786	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.30	198	173	6.661	ng	# 1
70) Phenanthrene	11.24	178	28124	2.136	ng	# 80
74) Fluoranthene	12.66	202	29538	2.099	ng	# 72
77) Pyrene	12.66	202	30190	2.248	ng	# 79
82) Chrysene	13.87	228	35452	3.168	ng	# 50
87) Benzo(b)fluoranthene	14.86	252	27125	3.030	ng	# 1
88) Benzo(k)fluoranthene	14.86	252	27125	3.193	ng	# 1

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

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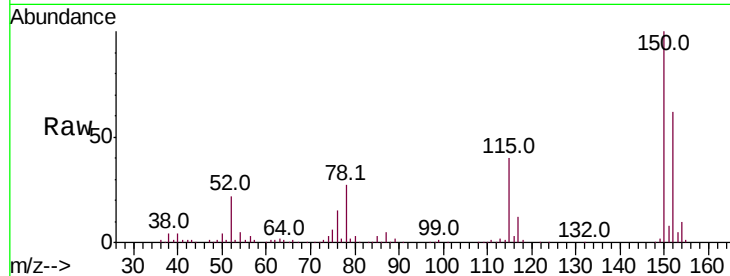


#1

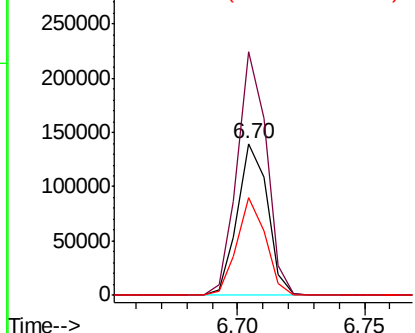
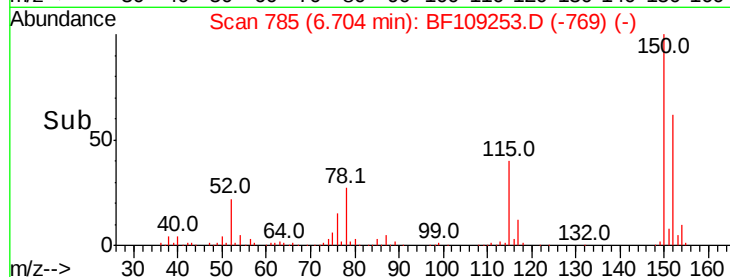
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115741
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 64.6 50.1 75.1



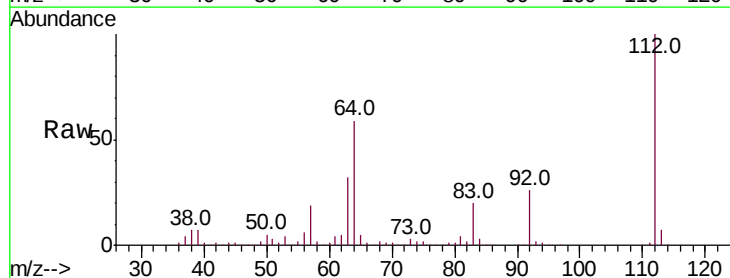
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



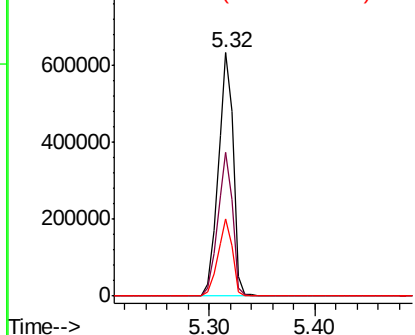
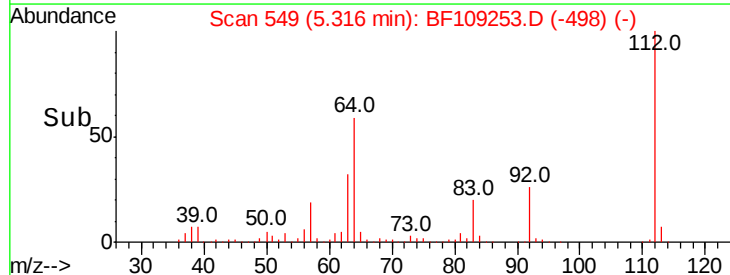
#5

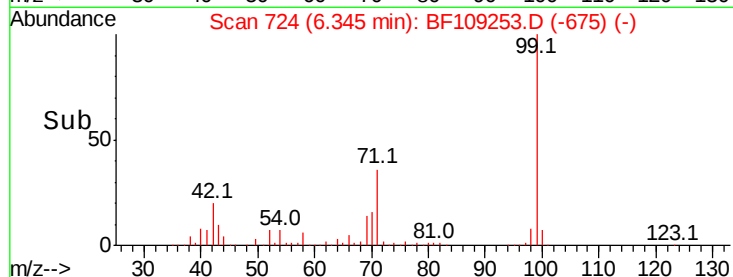
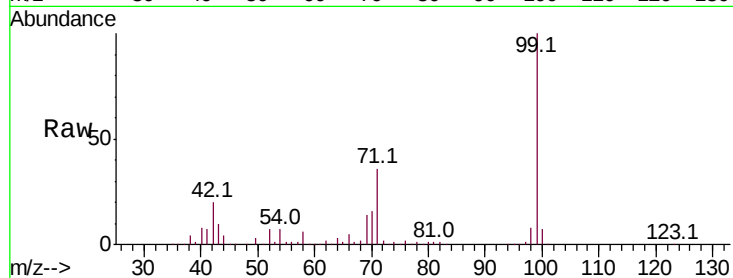
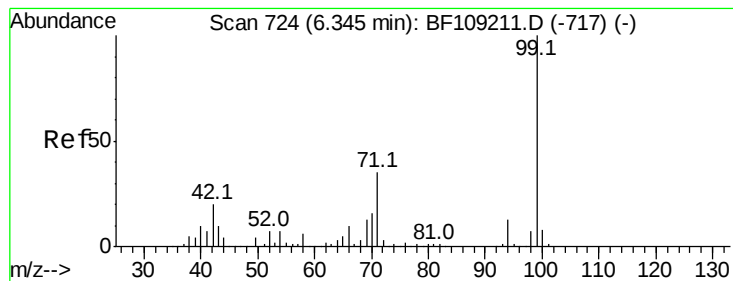
2-Fluorophenol
Concen: 90.891 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Tgt Ion:112 Resp: 638695
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.7 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: 90.496 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampleId :

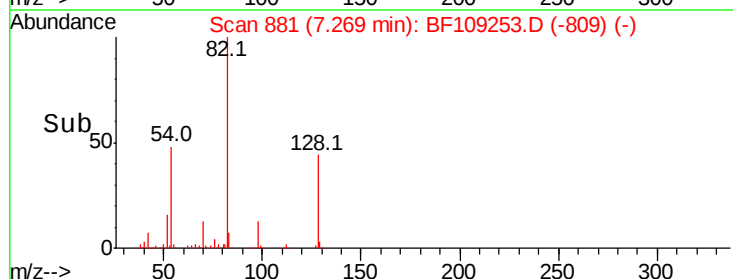
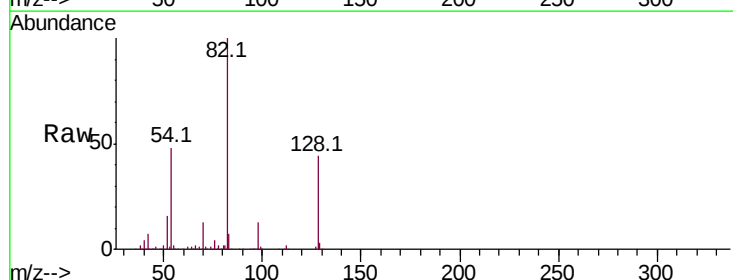
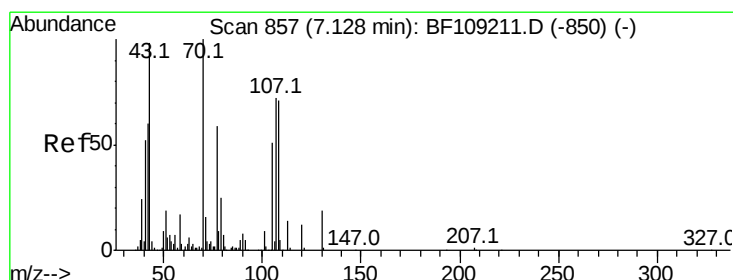
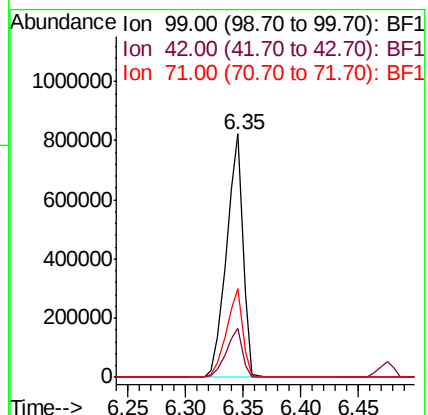
Tot Ion: 99 Resp: 811455

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 36.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.005 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Tgt Ion: 70 Resp: 70538

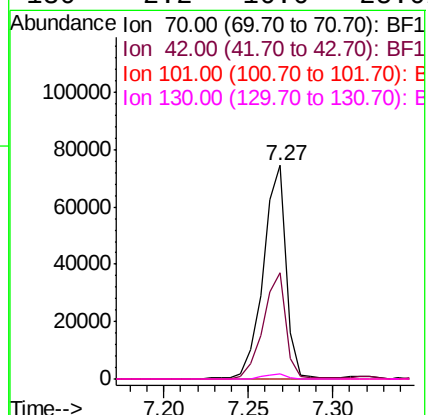
Ion Ratio Lower Upper

70 100

42 49.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 431825

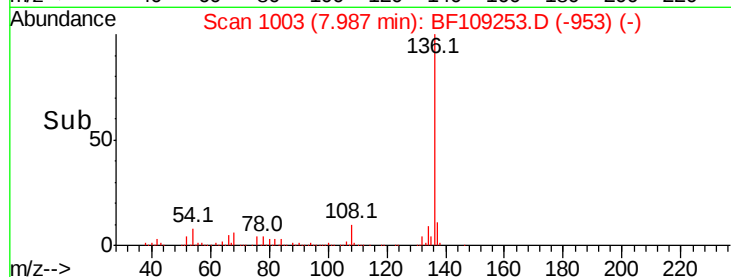
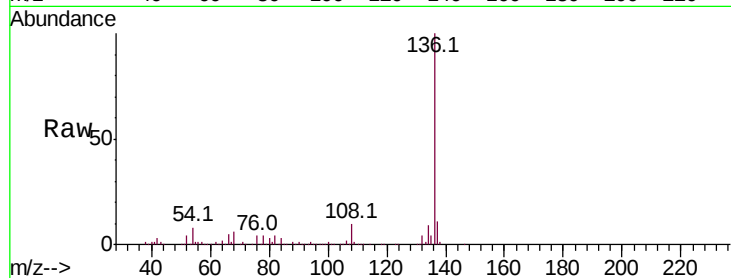
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 5.8 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

800000

600000

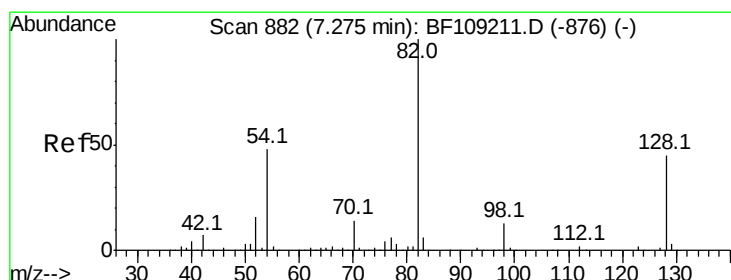
400000

200000

0

7.99

Time-->



#23

Nitrobenzene-d5

Concen: 69.362 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

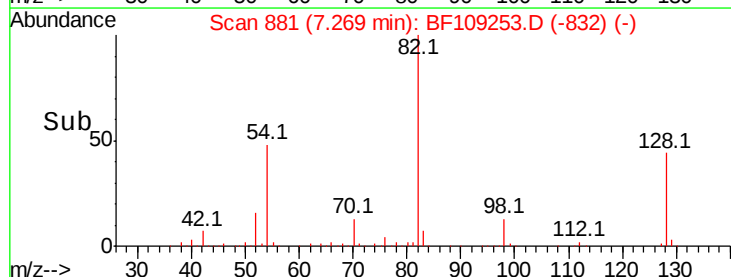
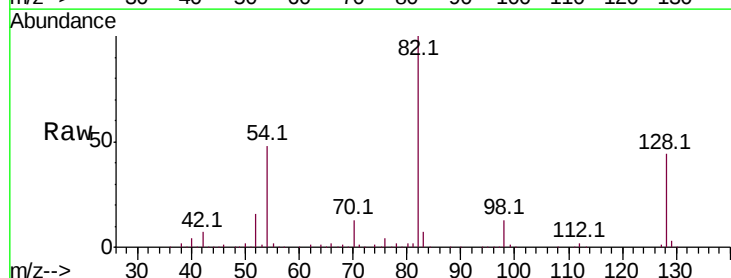
Tgt Ion: 82 Resp: 507395

Ion Ratio Lower Upper

82 100

128 43.8 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

600000

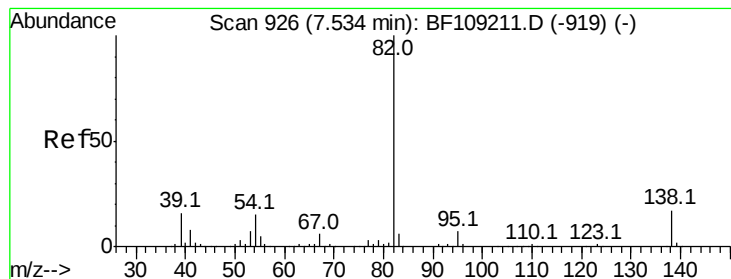
400000

200000

0

7.27

Time-->



#25

Isophorone

Concen: 36.227 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampleId :

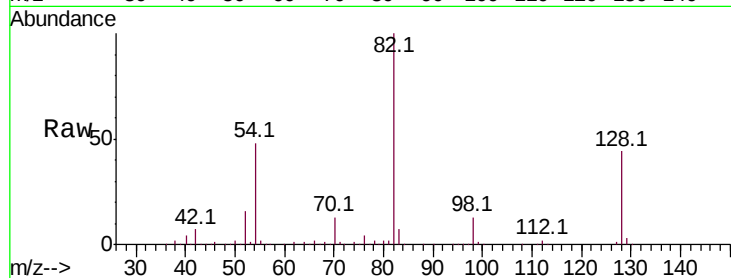
Tot Ion: 82 Resp: 477205

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

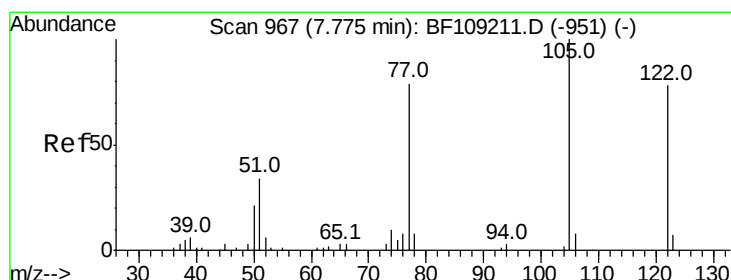
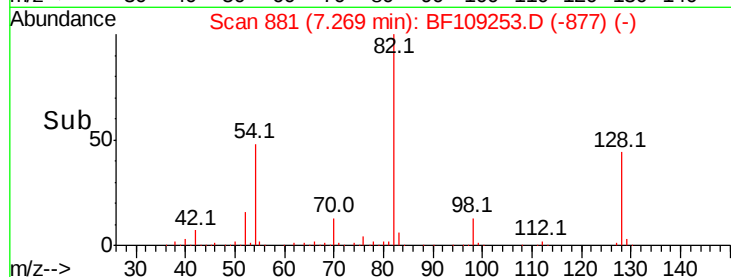
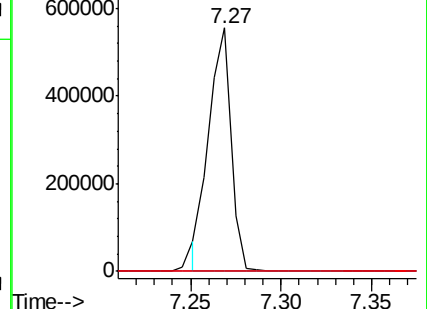
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.848 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.02 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

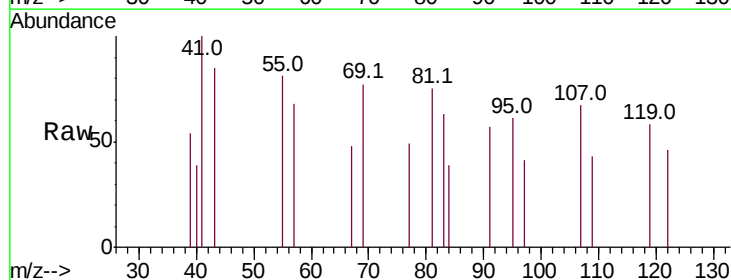
Tgt Ion: 122 Resp: 233

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

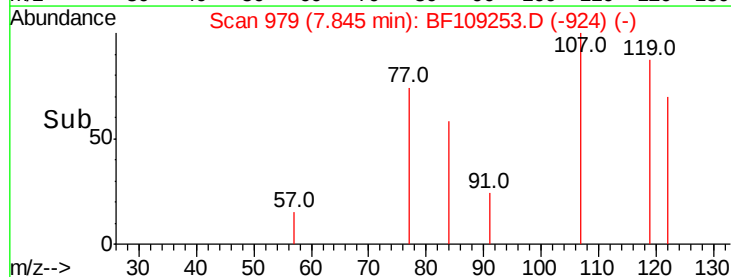
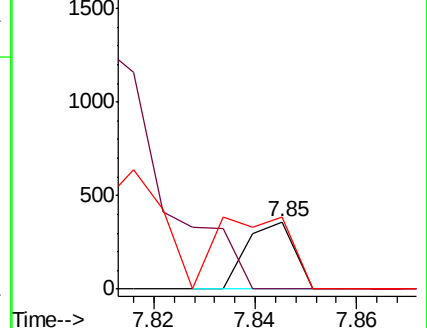
77 106.4 70.7 110.7

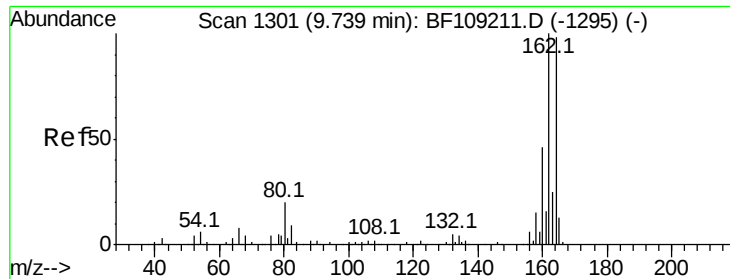


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

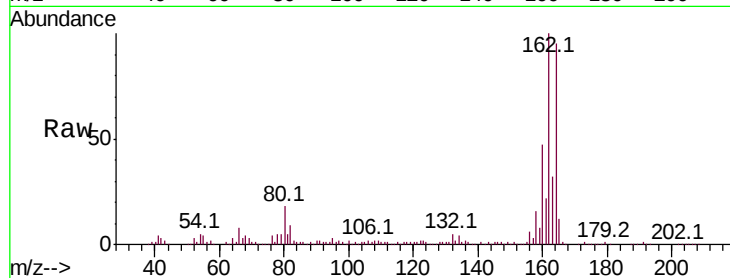




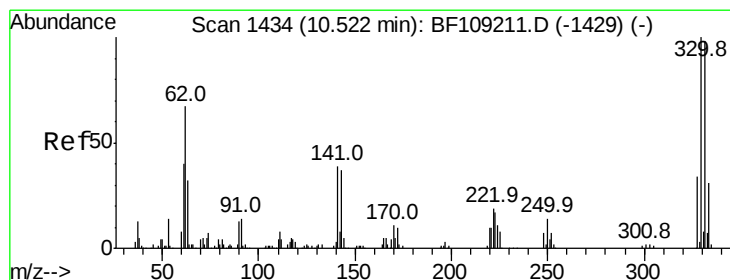
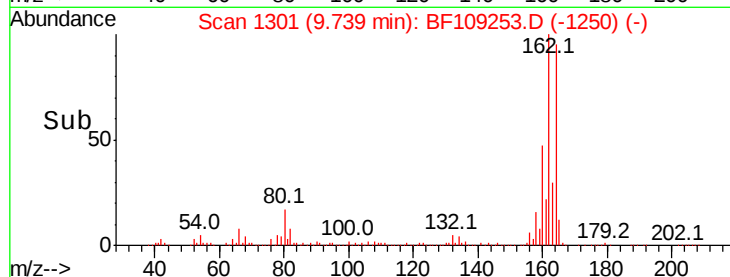
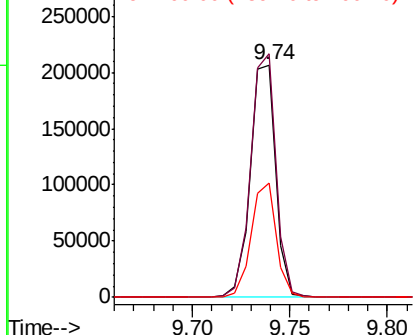
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109253.D
 Acq: 23 Sep 2018 6:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	49.2	38.3	57.5

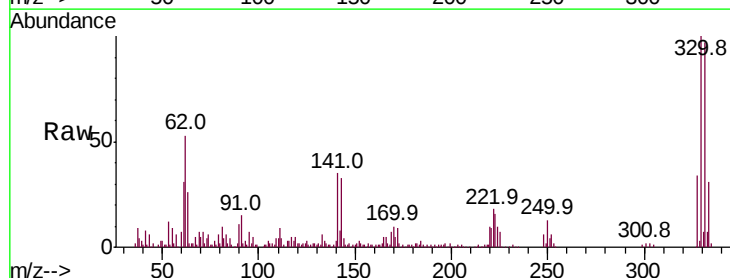


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

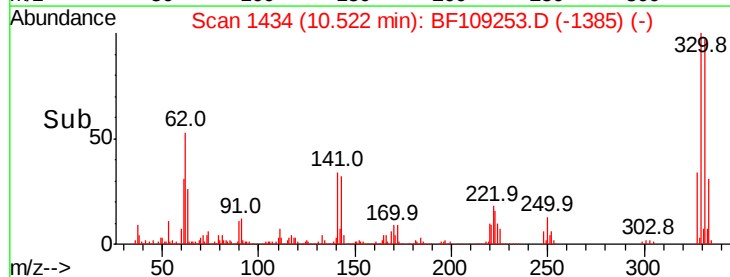
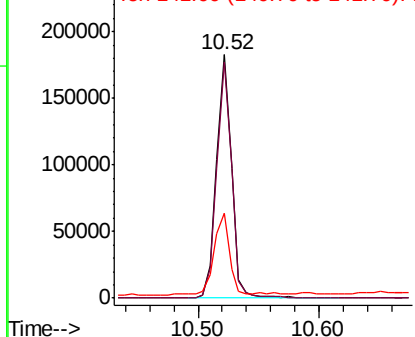


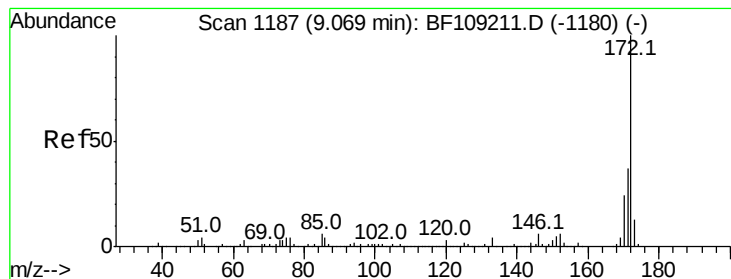
#41
 2,4,6-Tribromophenol
 Concen: 84.491 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109253.D
 Acq: 23 Sep 2018 6:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	35.1	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: 64.598 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampleId :

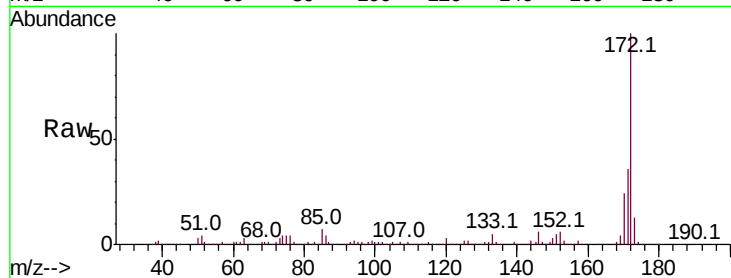
Tot Ion:172 Resp: 795084

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

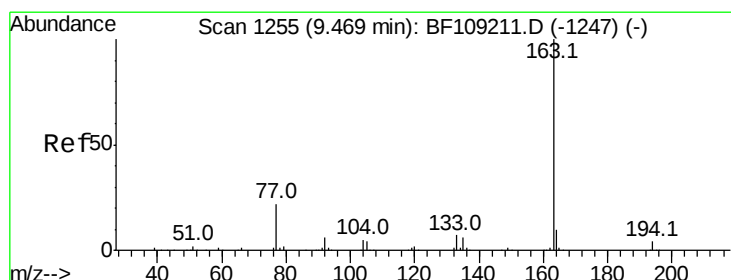
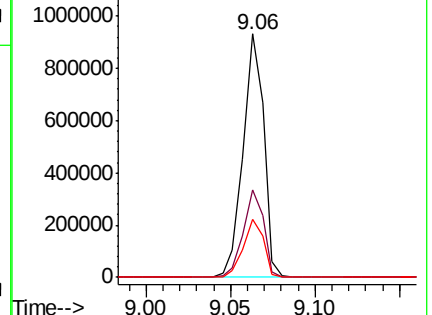
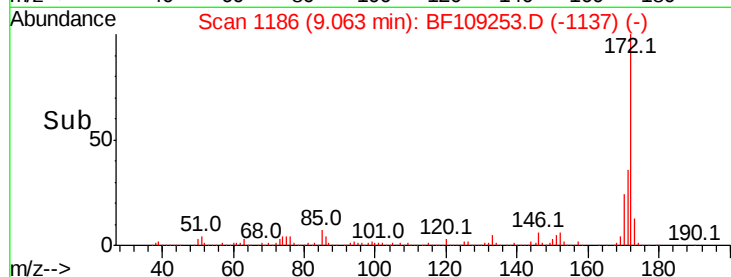
170 24.0 19.6 29.4



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: 18.903 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

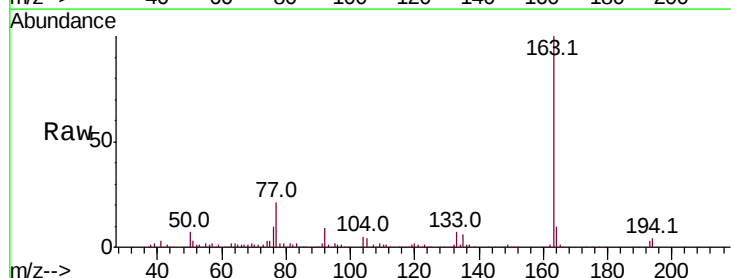
Tgt Ion:163 Resp: 255227

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

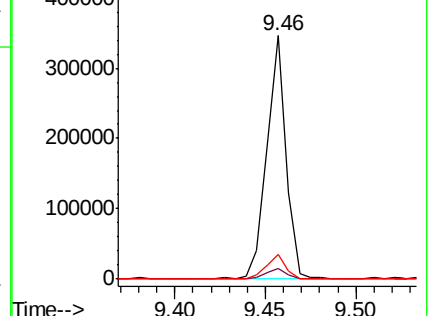
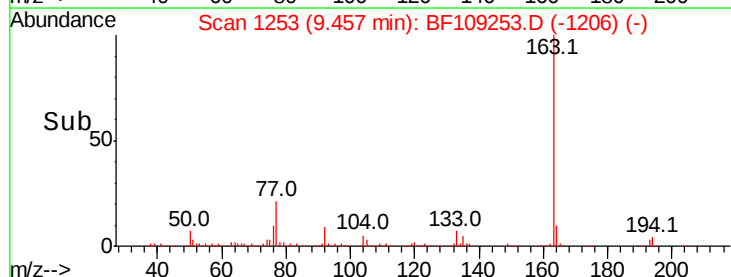
164 10.3 8.2 12.2

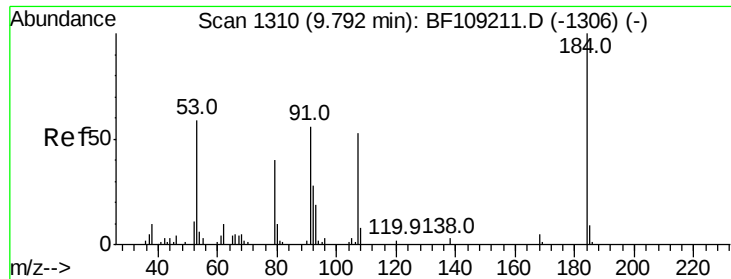


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

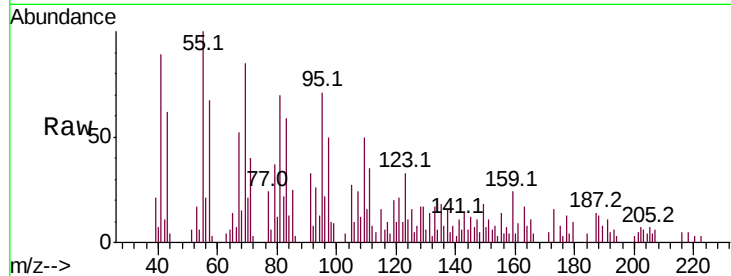




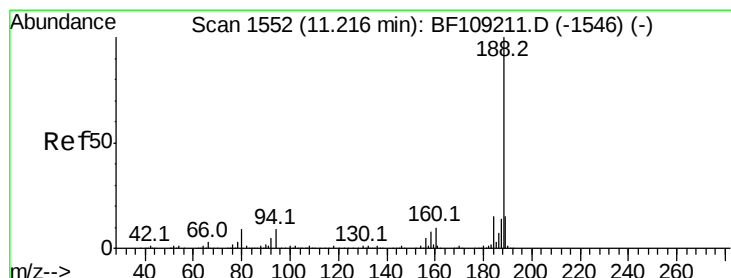
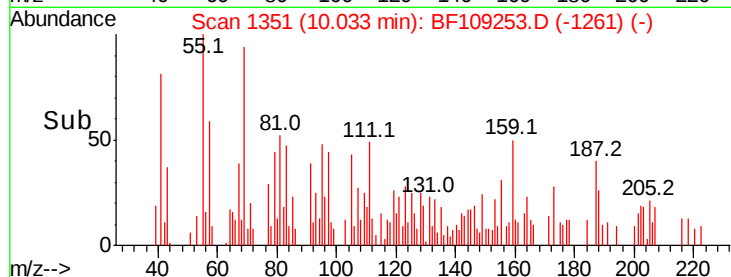
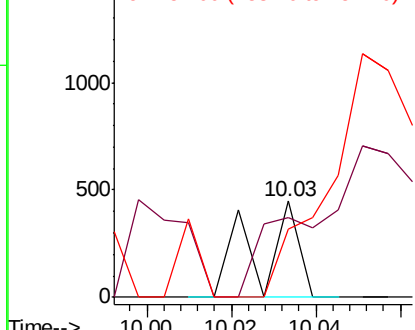
#53
2,4-Dinitrophenol
Concen: 8.786 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.23 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 302
Ion Ratio Lower Upper
184 100
63 83.4 54.2 81.2#
154 70.7 184.0 276.0#

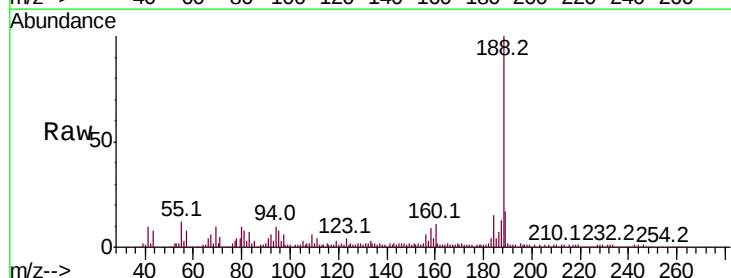


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

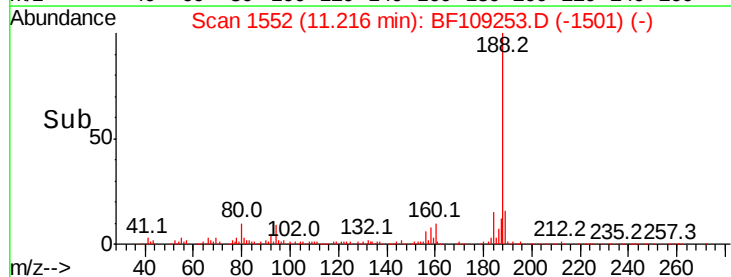
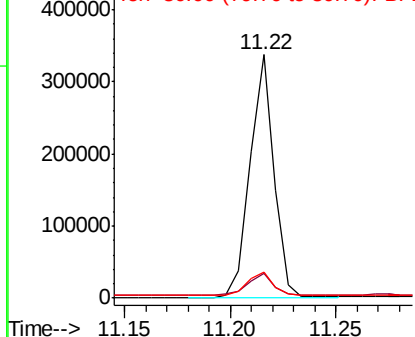


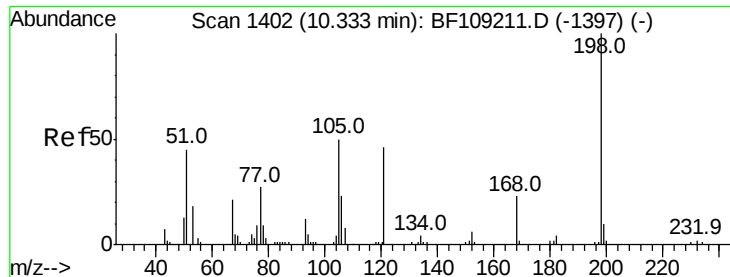
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Tgt Ion:188 Resp: 263680
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.4 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

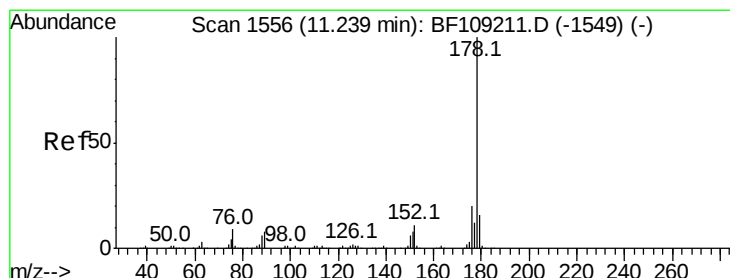
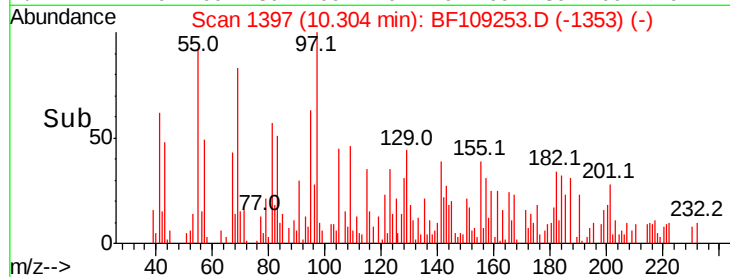
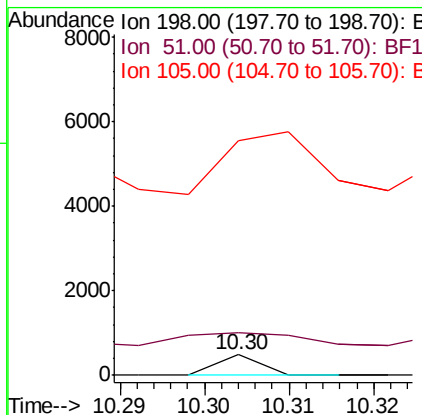
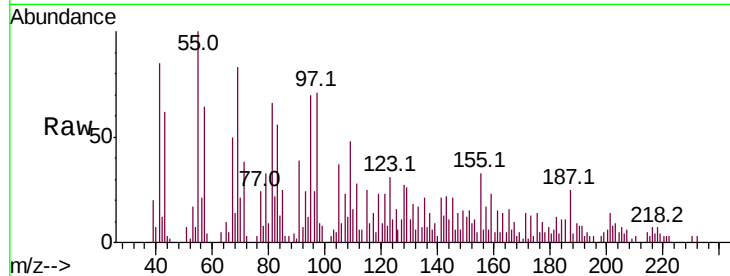




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.661 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.04 min
 Lab File: BF109253.D
 Acq: 23 Sep 2018 6:27

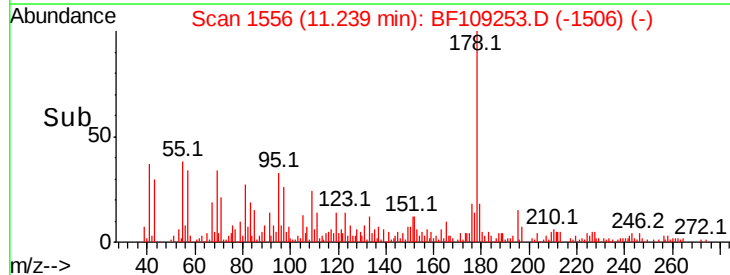
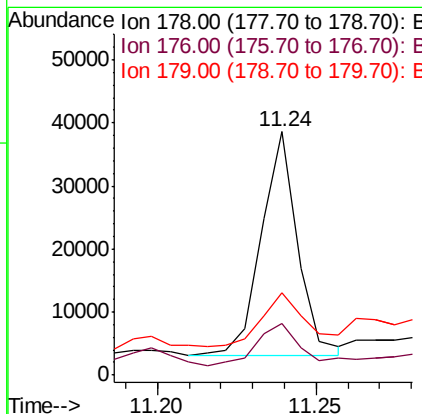
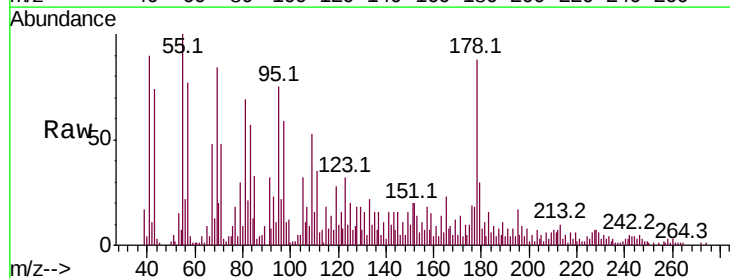
Instrument :
 BNA_F
 ClientSampleId :

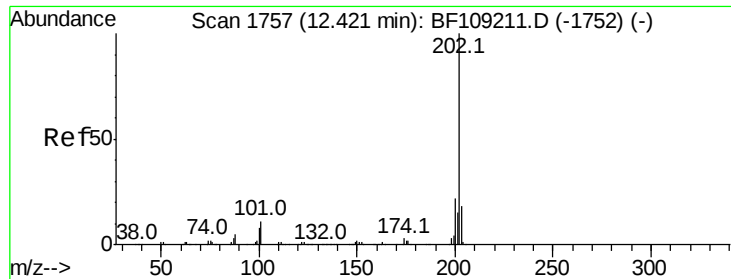
Tot Ion:198 Resp: 173
 Ion Ratio Lower Upper
 198 100
 51 208.6 37.7 77.7#
 105 1130.8 36.3 76.3#



#70
 Phenanthrene
 Concen: 2.136 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109253.D
 Acq: 23 Sep 2018 6:27

Tgt Ion:178 Resp: 28124
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 33.6 13.0 19.6#





#74

Fluoranthene

Concen: 2.099 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.23 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampled :

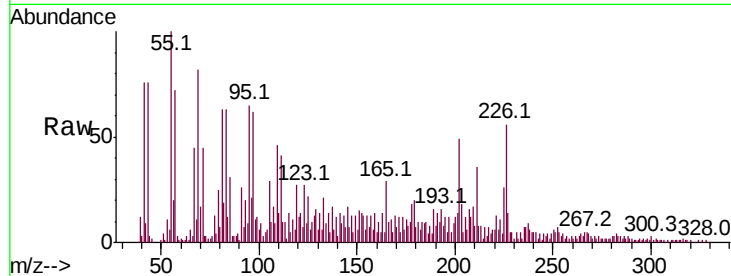
Tot Ion:202 Resp: 29538

Ion Ratio Lower Upper

202 100

101 18.3 0.0 34.1

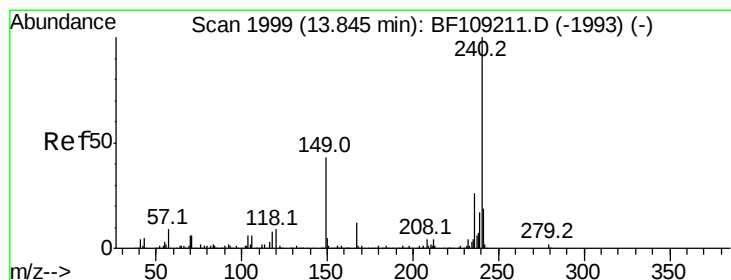
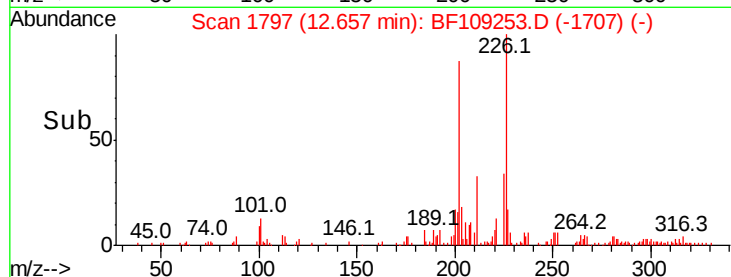
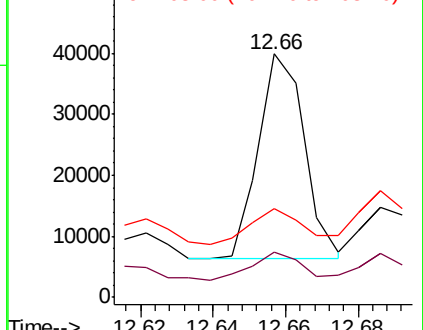
203 36.5 0.0 38.1



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# 2000

Delta R.T. 0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

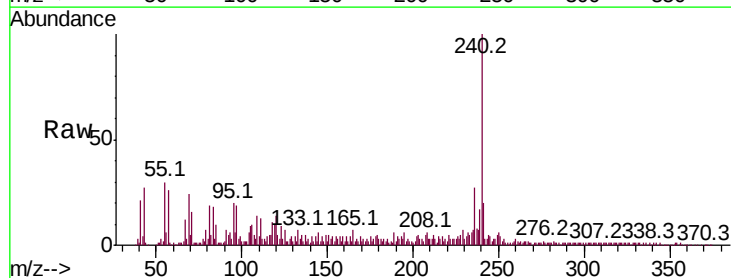
Tgt Ion:240 Resp: 187425

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

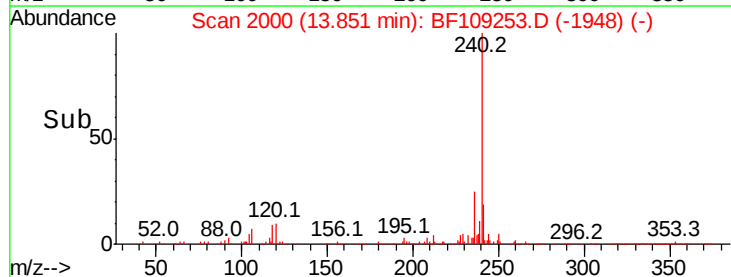
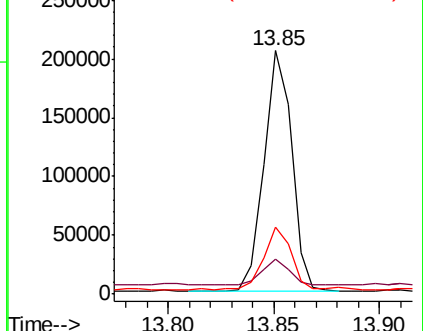
236 27.3 20.7 31.1

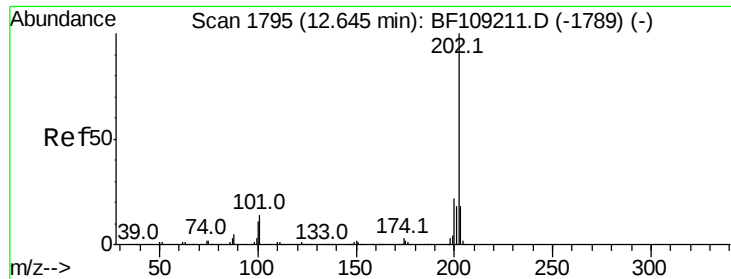


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.248 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.00 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampled :

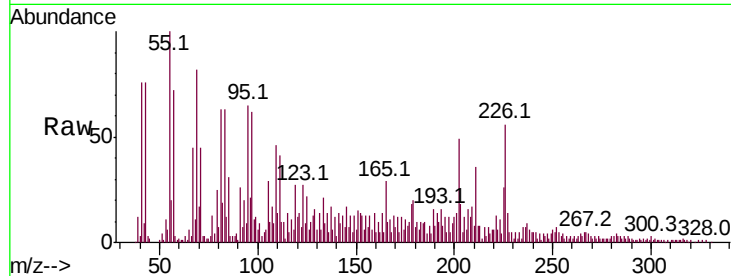
Tot Ion:202 Resp: 30190

Ion Ratio Lower Upper

202 100

200 23.6 17.4 26.2

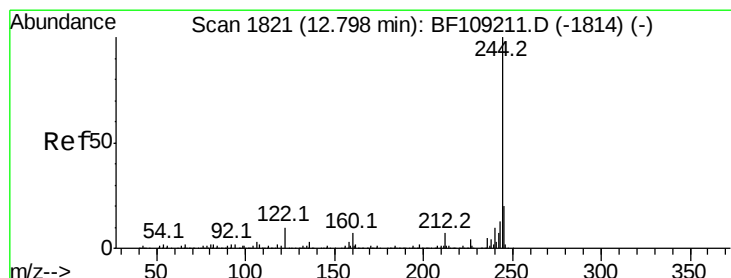
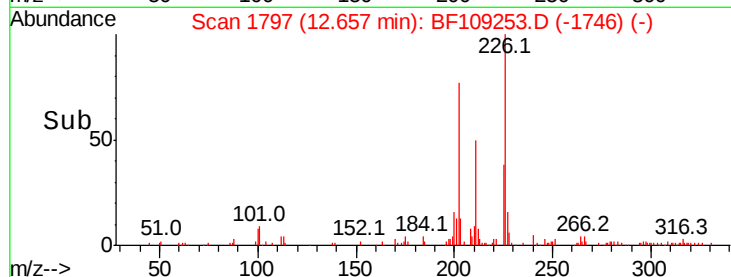
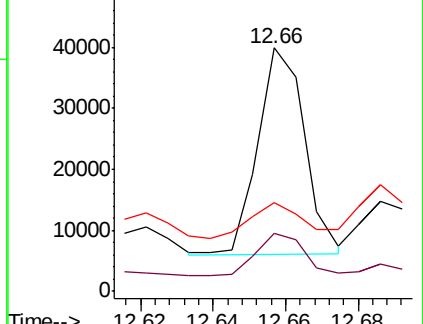
203 36.5 14.3 21.5#



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: 54.482 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

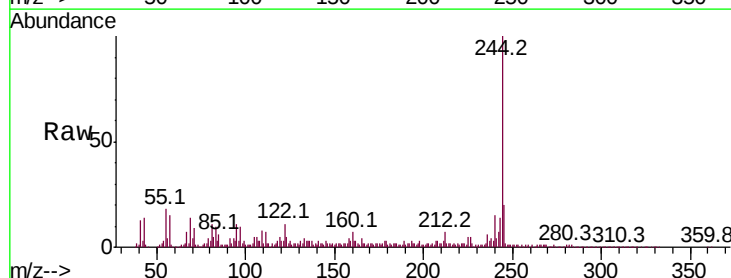
Tgt Ion:244 Resp: 416081

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

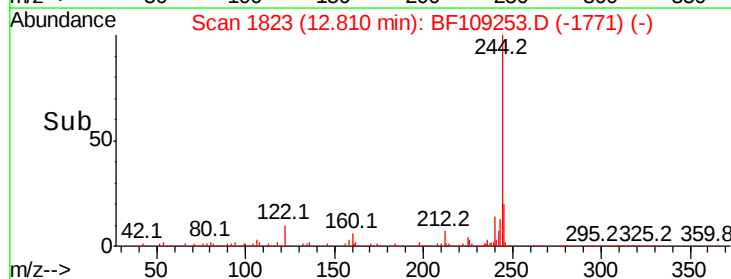
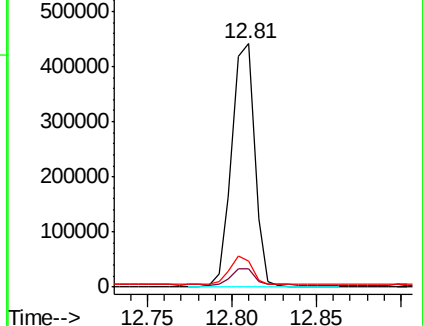
122 10.8 11.0 16.4#

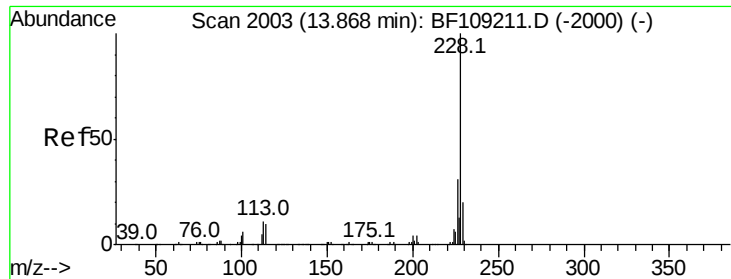


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 3.168 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

Instrument :

BNA_F

ClientSampleId :

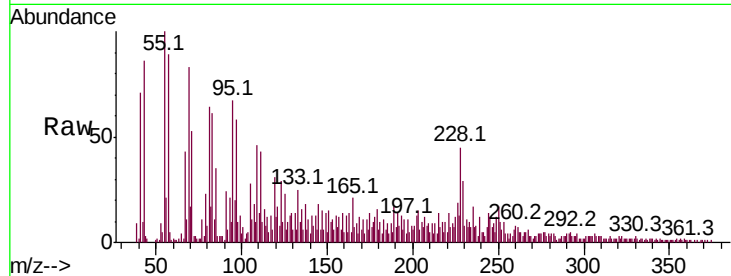
Tot Ion:228 Resp: 35452

Ion Ratio Lower Upper

228 100

226 43.1 25.0 37.6#

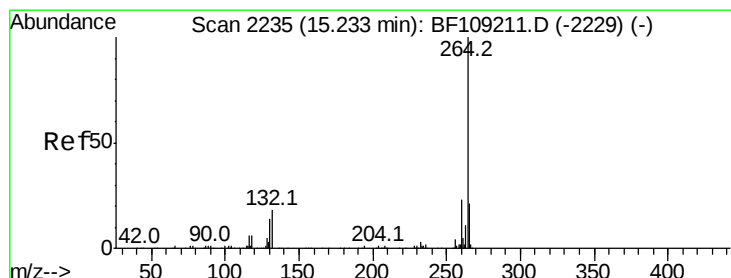
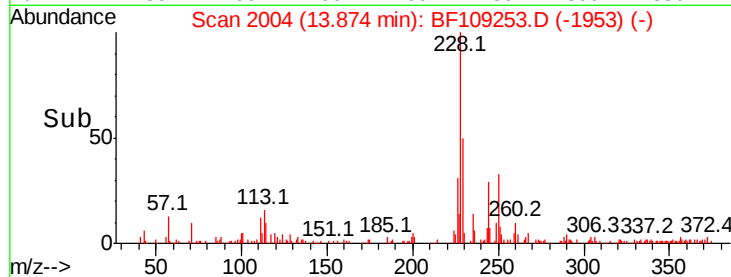
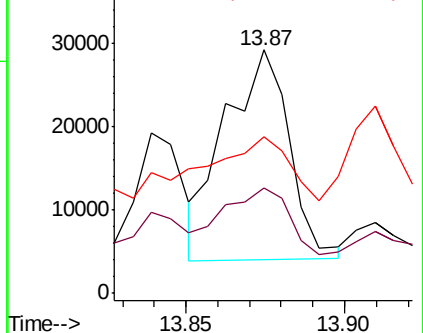
229 64.2 16.2 24.4#



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: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF109253.D

Acq: 23 Sep 2018 6:27

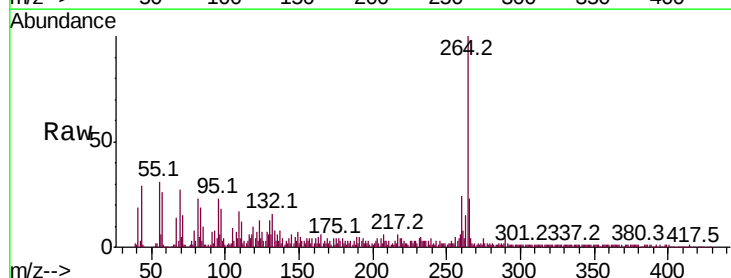
Tgt Ion:264 Resp: 162899

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

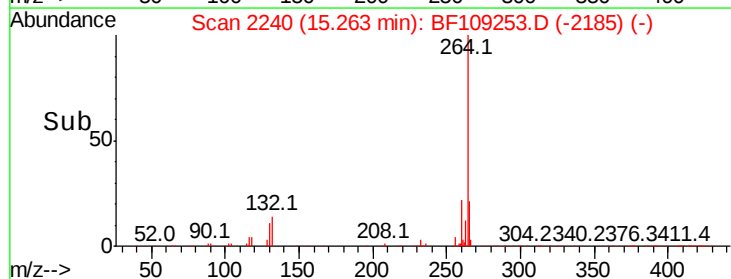
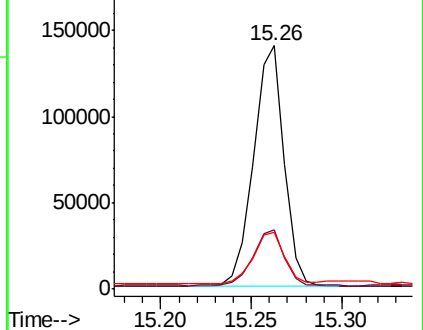
265 23.5 17.5 26.3

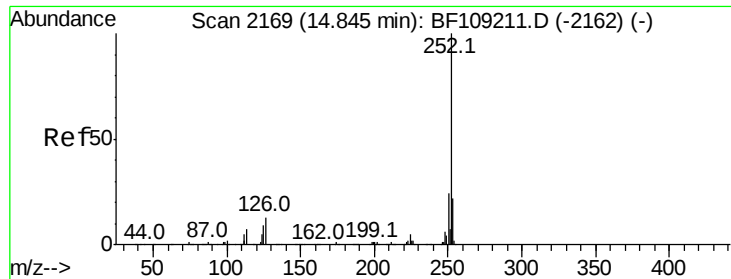


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

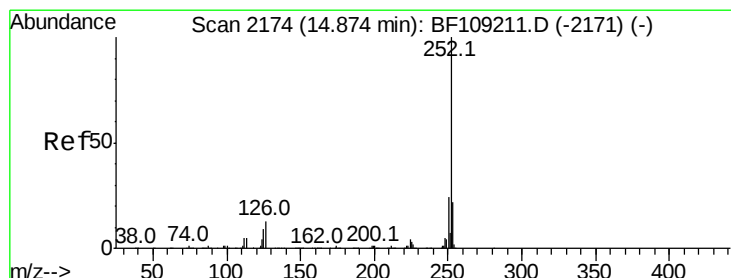
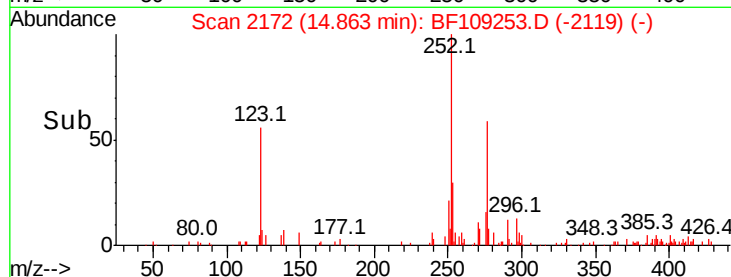
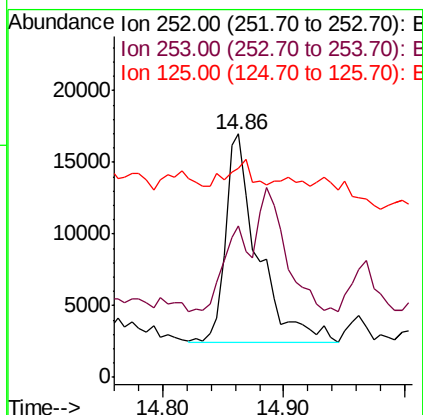
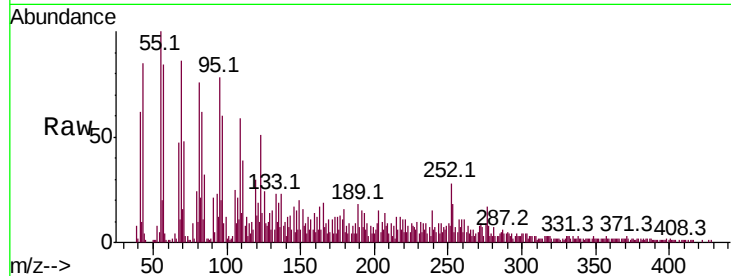




#87
Benzo(b)fluoranthene
Concen: 3.030 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	62.0	17.0	25.6#
125	85.9	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.193 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF109253.D
Acq: 23 Sep 2018 6:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	62.0	17.9	26.9#
125	85.9	10.2	15.2#

