

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109249.D
 Acq On : 23 Sep 2018 4:39
 Operator : JU/SJ
 Sample : J5017-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:53:49 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	107727	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	381985	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	149254	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	236165	20.00	ng	0.00
75) Chrysene-d12	13.84	240	207869	20.00	ng	0.00
86) Perylene-d12	15.24	264	172745	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	729686	111.56	ng	0.00
7) Phenol-d6	6.35	99	952261	114.10	ng	-0.01
23) Nitrobenzene-d5	7.27	82	595311	92.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	157998	107.38	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	952450	96.24	ng	0.00
78) Terphenyl-d14	12.80	244	684937	80.87	ng	0.00

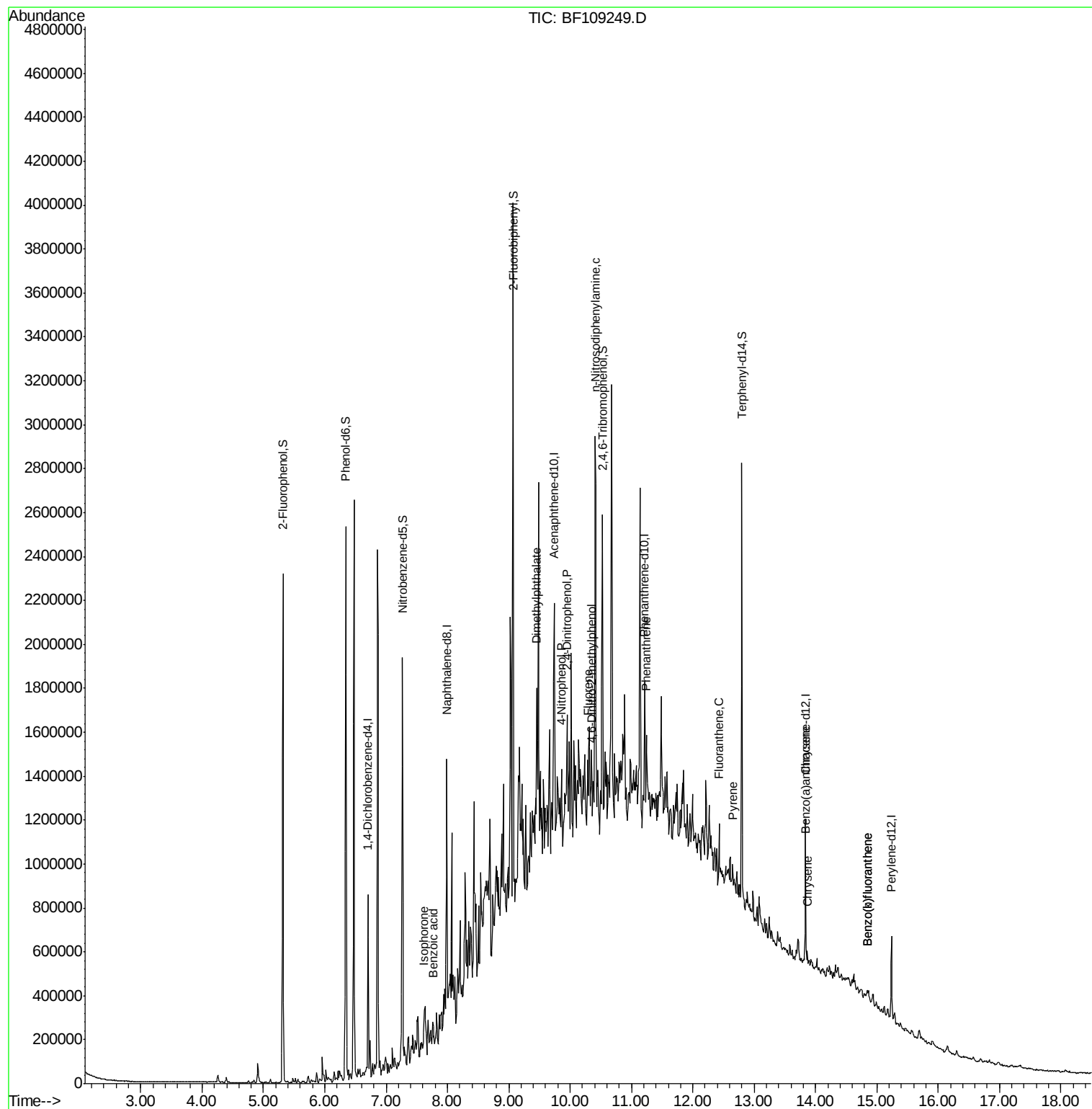
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.62	82	35331	3.032	ng	# 60
32) Benzoic acid	7.77	122	1438	7.155	ng	# 1
49) Dimethylphthalate	9.46	163	212236	19.551	ng	# 98
53) 2,4-Dinitrophenol	9.96	184	1534	10.300	ng	# 1
55) 4-Nitrophenol	9.86	139	4416	2.354	ng	# 1
57) Fluorene	10.29	166	19064	2.028	ng	# 75
64) 4,6-Dinitro-2-methylphenol	10.36	198	1416	7.814	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	55884	7.162	ng	# 41
70) Phenanthrene	11.24	178	54695	4.638	ng	# 90
74) Fluoranthene	12.42	202	47637	3.780	ng	93
77) Pyrene	12.65	202	64507	4.330	ng	95
80) Benzo(a)anthracene	13.83	228	28674	2.290	ng	# 83
82) Chrysene	13.86	228	26416	2.129	ng	# 83
87) Benzo(b)fluoranthene	14.84	252	27768	2.925	ng	# 67
88) Benzo(k)fluoranthene	14.84	252	27768	3.083	ng	# 70

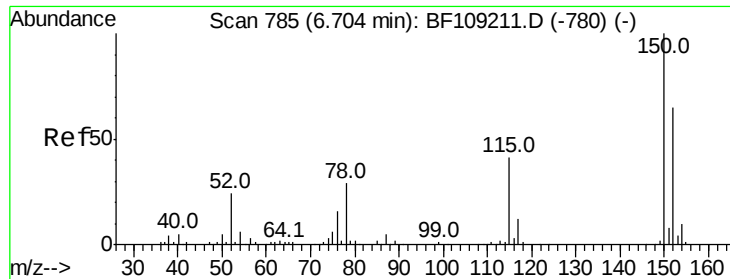
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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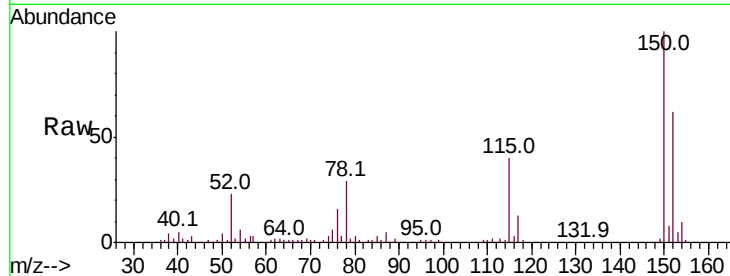


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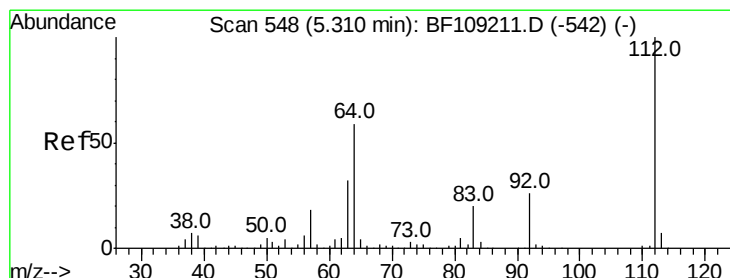
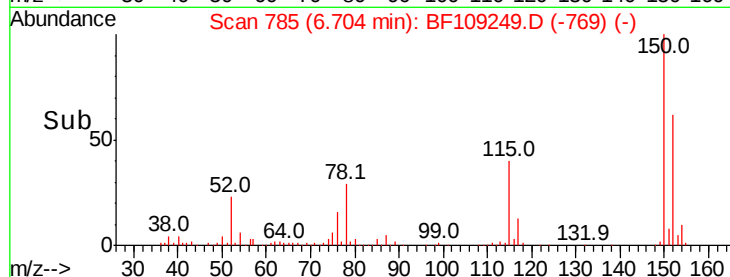
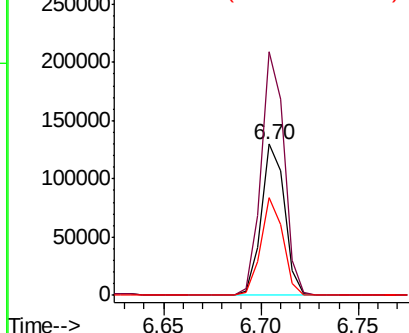
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.6	186.8
115	65.1	50.1	75.1



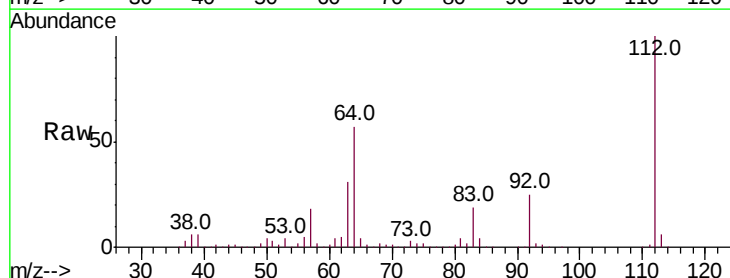
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



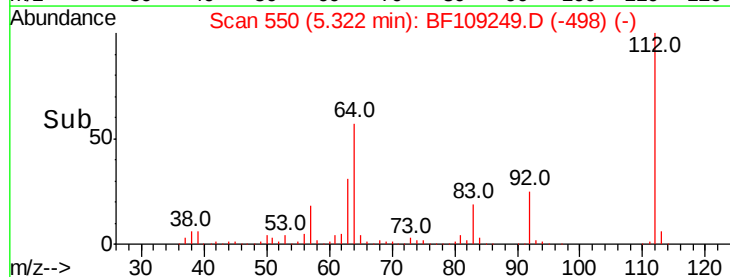
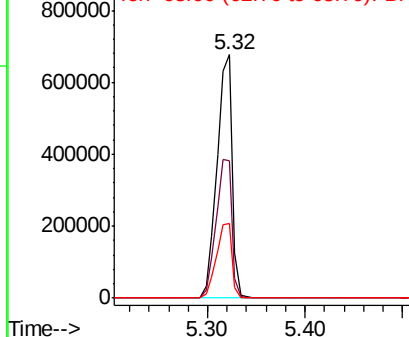
#5

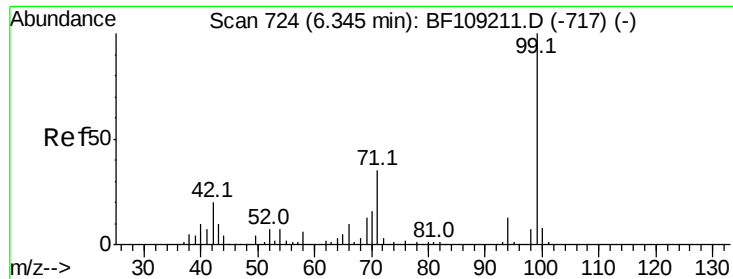
2-Fluorophenol
Concen: 111.564 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	30.7	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: 114.099 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampled :

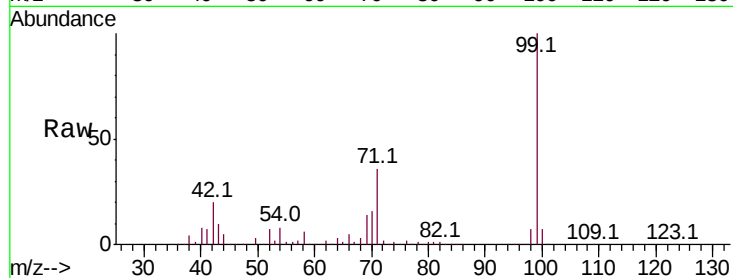
Tot Ion: 99 Resp: 952261

Ion Ratio Lower Upper

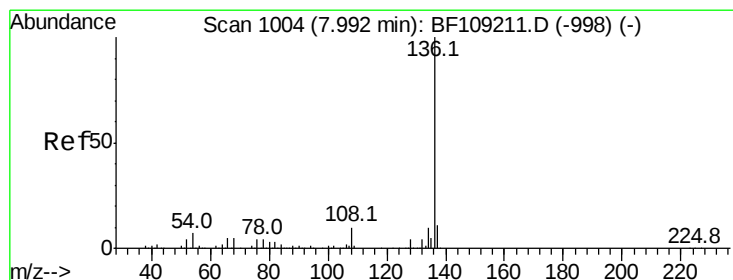
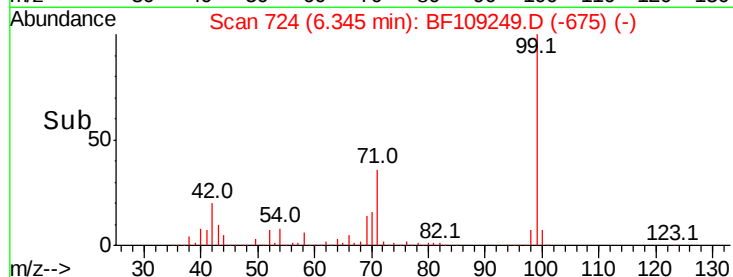
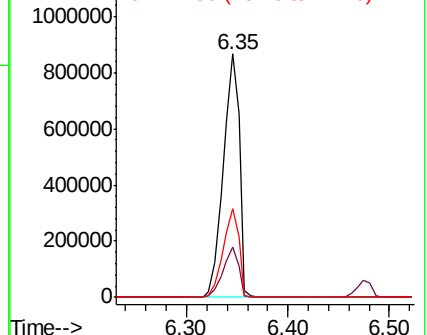
99 100

42 20.5 14.5 21.7

71 36.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Tgt Ion: 136 Resp: 381985

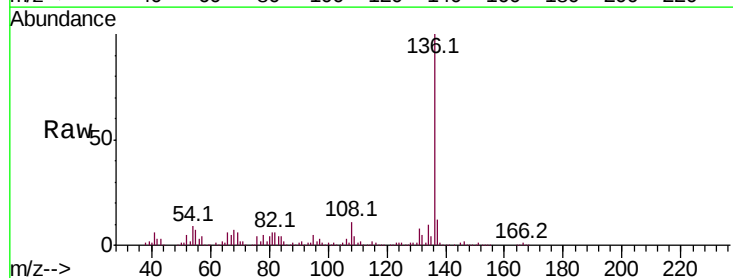
Ion Ratio Lower Upper

136 100

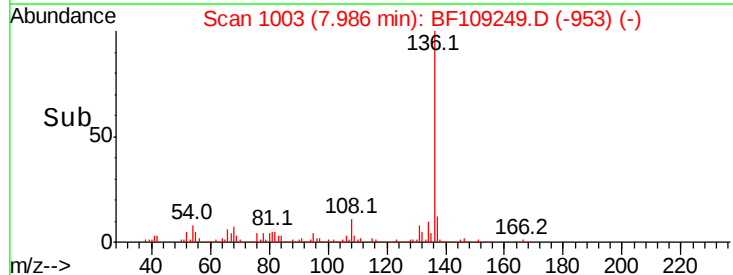
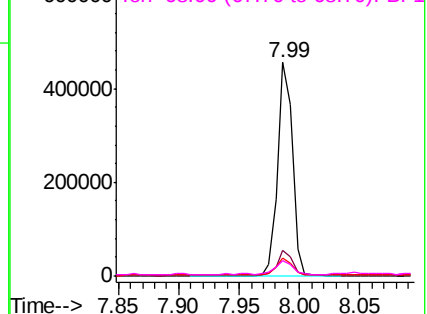
137 11.8 8.9 13.3

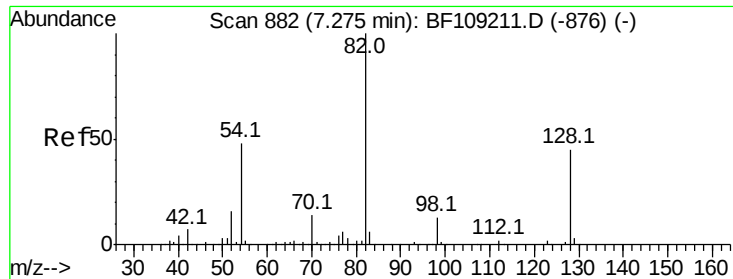
54 8.6 6.6 9.8

68 7.2 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

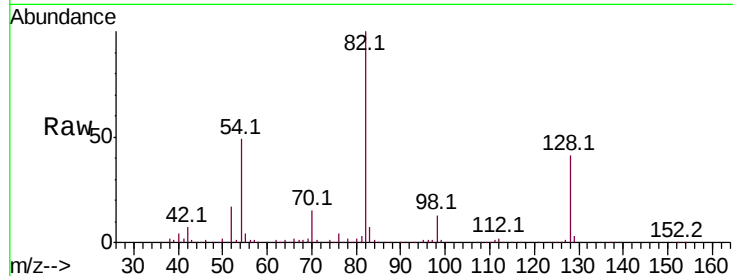




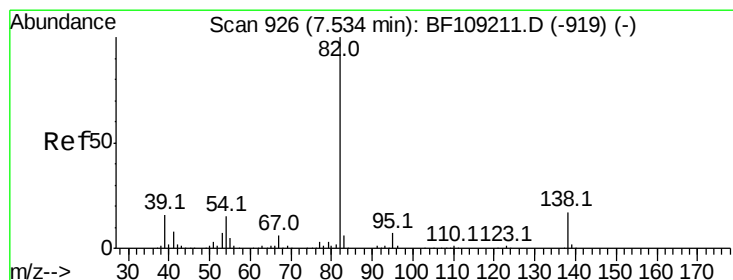
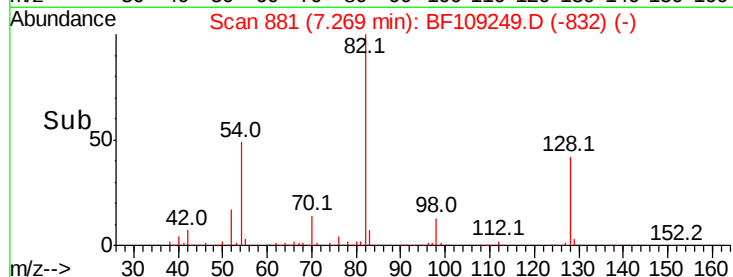
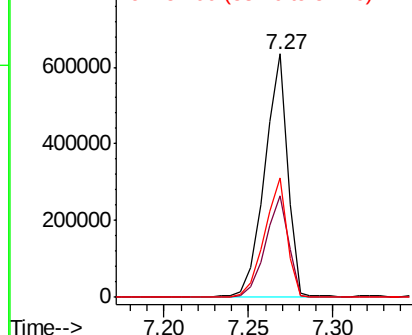
#23
Nitrobenzene-d5
Concen: 91.999 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	595311
Ion Ratio	100	Lower	Upper
128	41.5	36.1	54.1
54	49.0	41.4	62.2

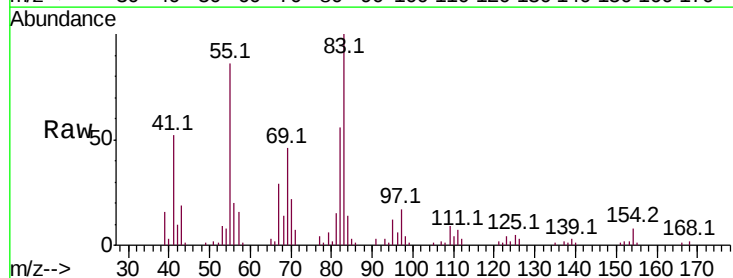


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

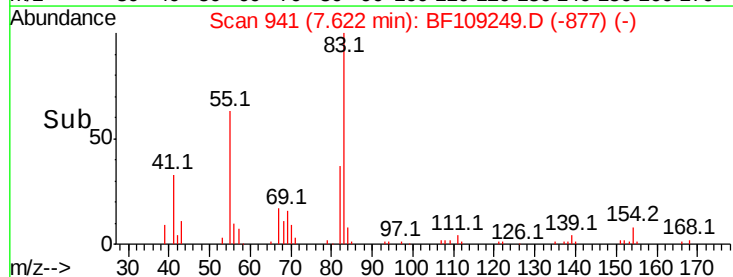
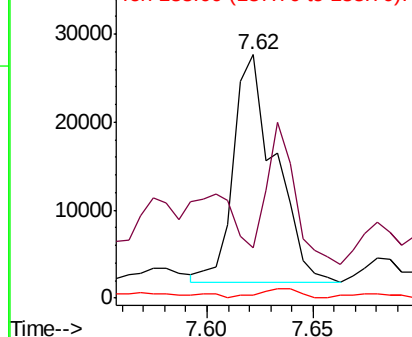


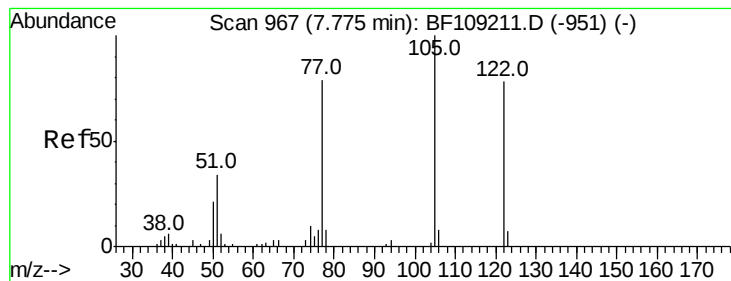
#25
Isophorone
Concen: 3.032 ng
RT: 7.62 min Scan# 941
Delta R.T. 0.08 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion	82	Resp	35331
Ion Ratio	100	Lower	Upper
95	20.8	5.2	7.8#
138	1.2	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: 7.155 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.05 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampled :

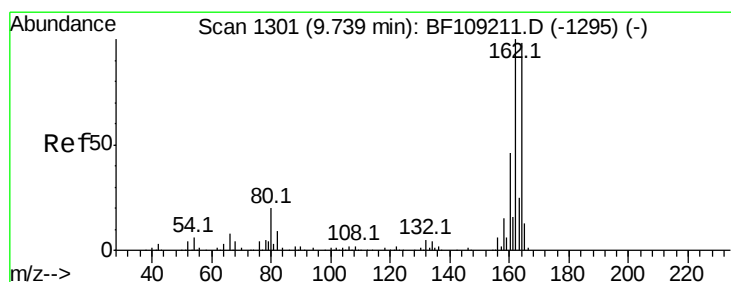
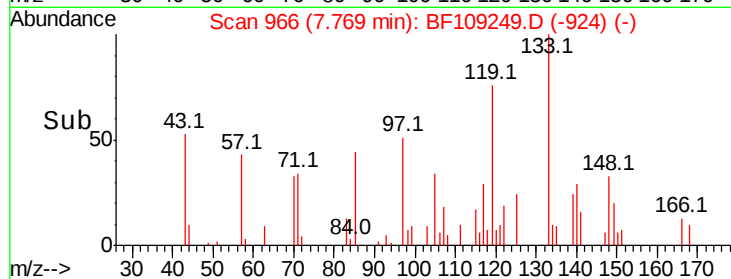
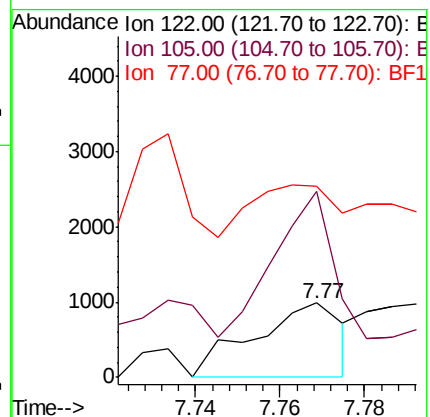
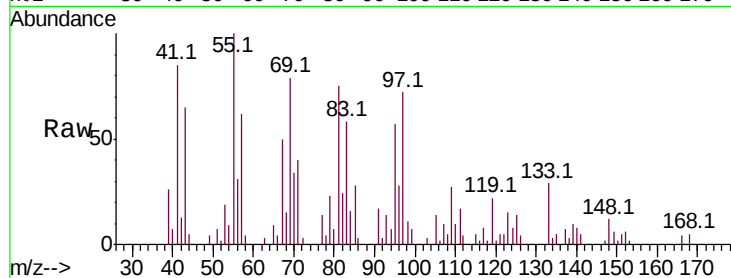
Tot Ion:122 Resp: 1438

Ion Ratio Lower Upper

122 100

105 249.9 101.1 141.1#

77 257.8 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

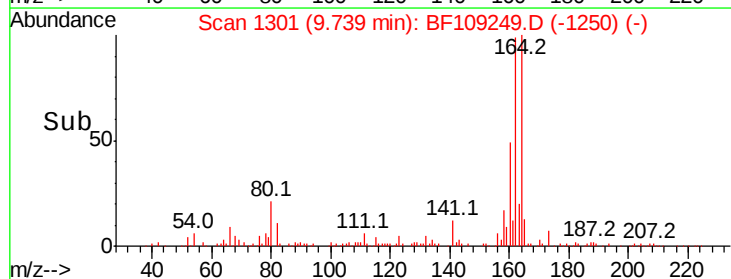
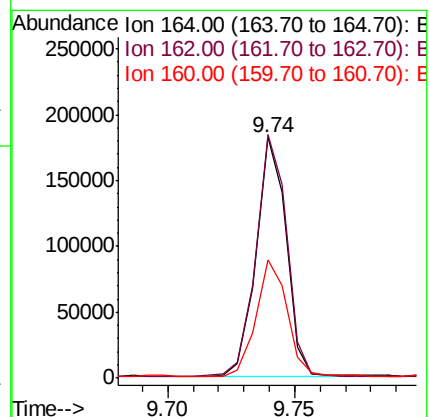
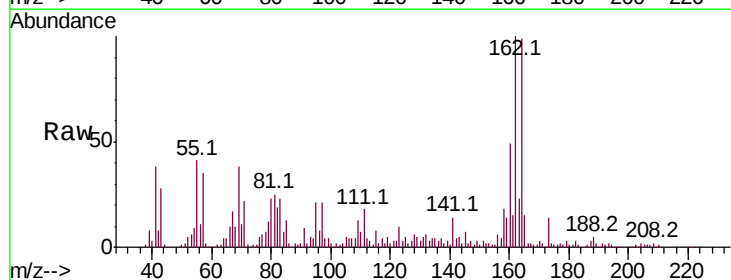
Tgt Ion:164 Resp: 149254

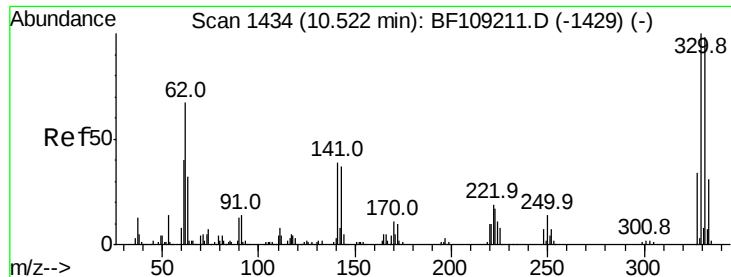
Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

160 49.0 38.3 57.5

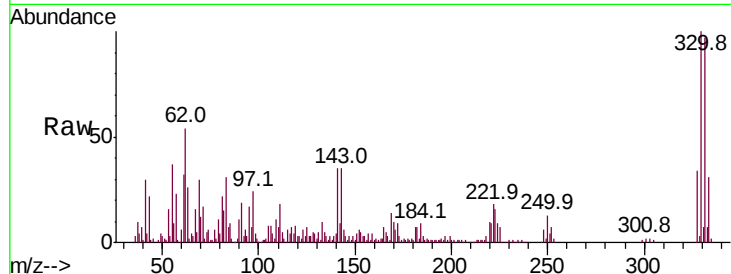




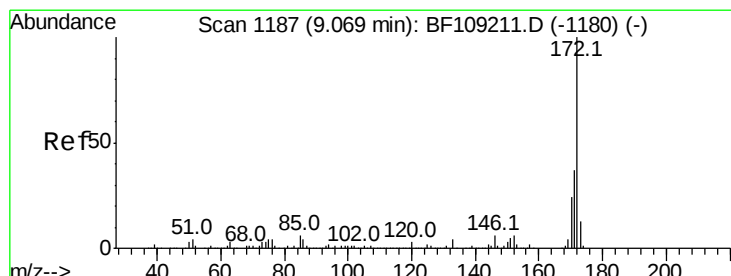
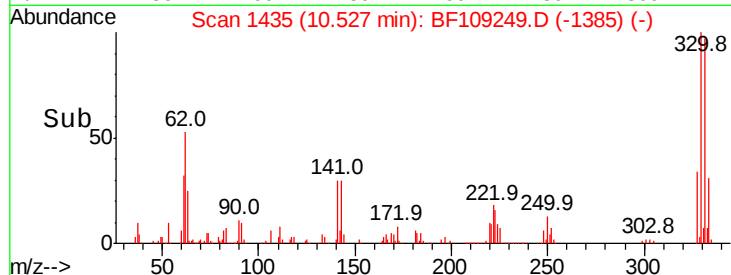
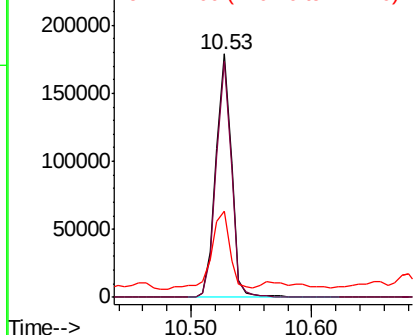
#41
 2,4,6-Tribromophenol
 Concen: 107.384 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109249.D
 Acq: 23 Sep 2018 4:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	38.3	29.9	44.9

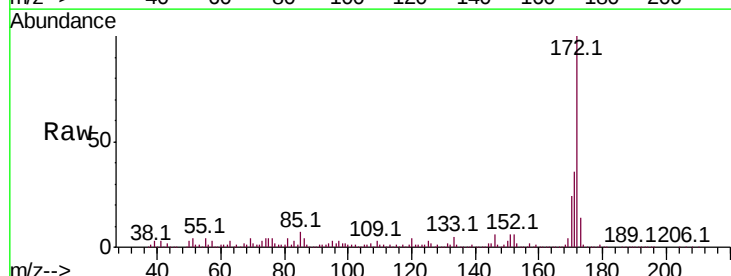


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

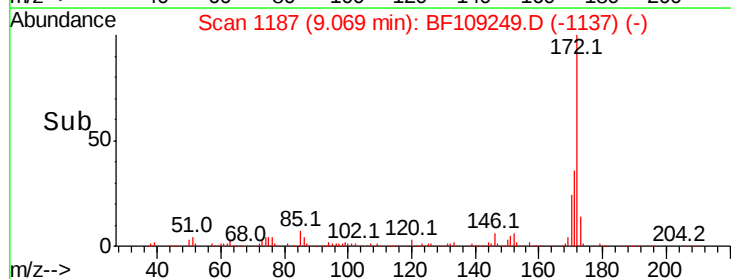
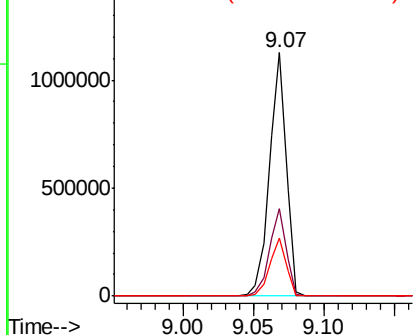


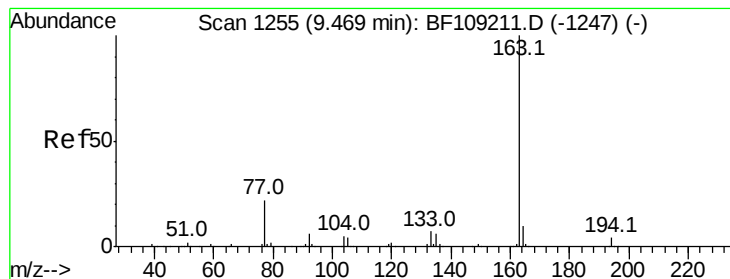
#44
 2-Fluorobiphenyl
 Concen: 96.244 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109249.D
 Acq: 23 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.1	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





#49

Dimethylphthalate

Concen: 19.551 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampleId :

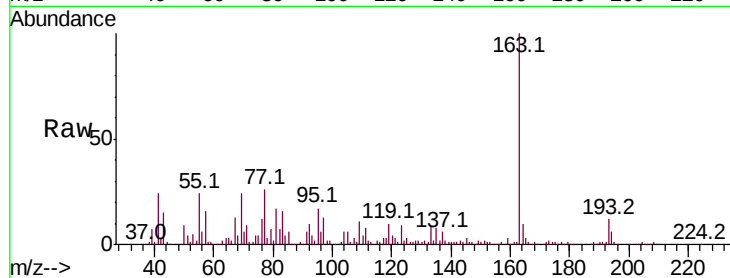
Tot Ion:163 Resp: 212236

Ion Ratio Lower Upper

163 100

194 5.9 2.7 4.1#

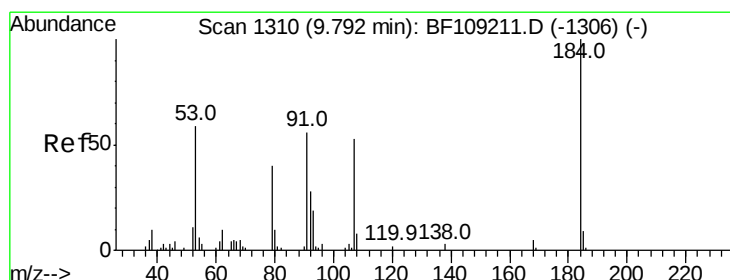
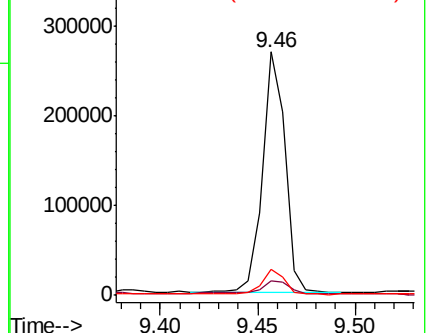
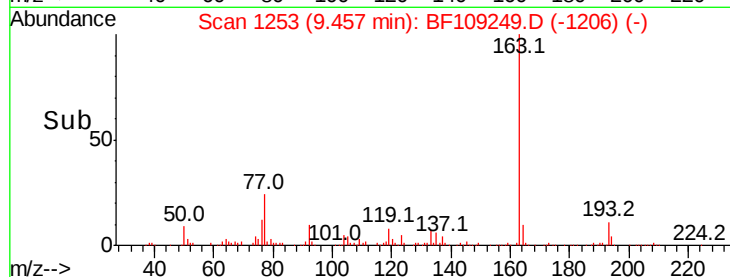
164 10.5 8.2 12.2



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: 10.300 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.15 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

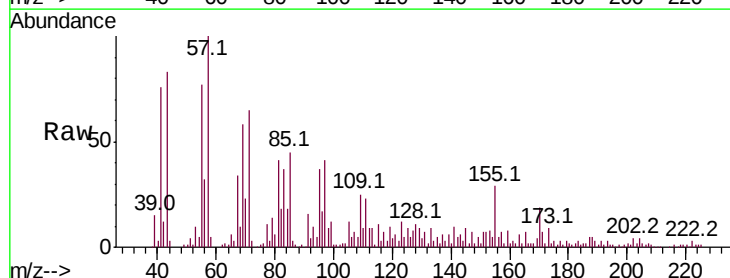
Tgt Ion:184 Resp: 1534

Ion Ratio Lower Upper

184 100

63 175.9 54.2 81.2#

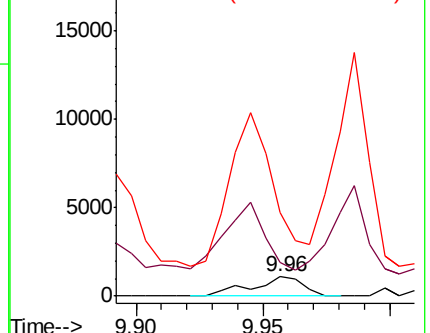
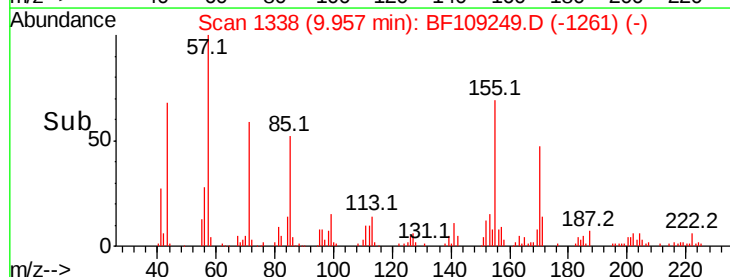
154 440.1 184.0 276.0#

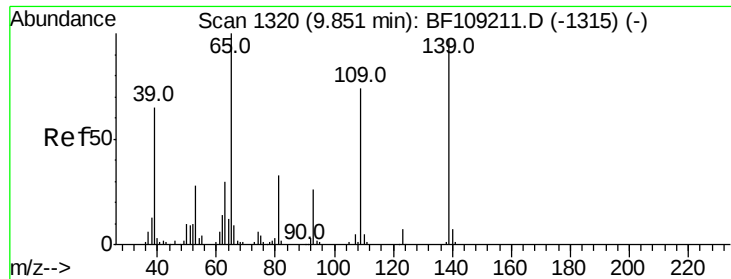


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

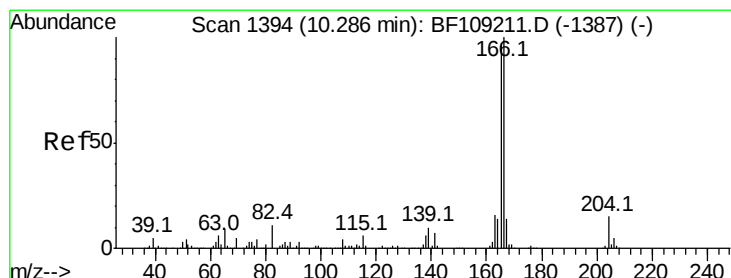
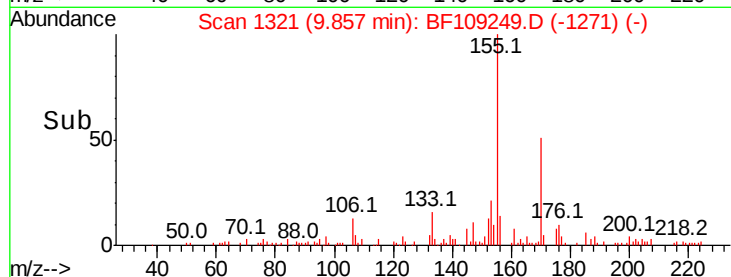
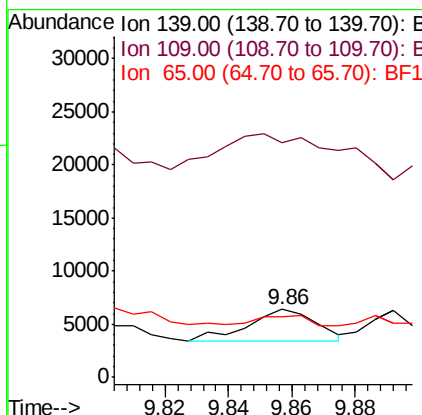
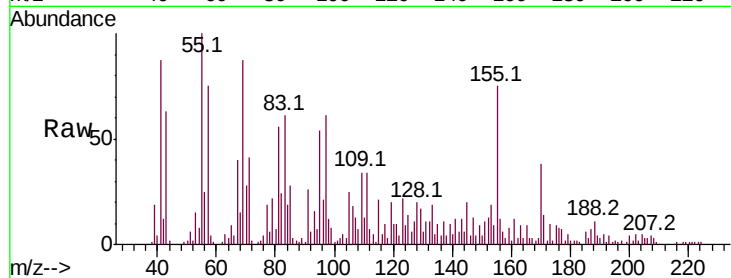




#55
4-Nitrophenol
Concen: 2.354 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

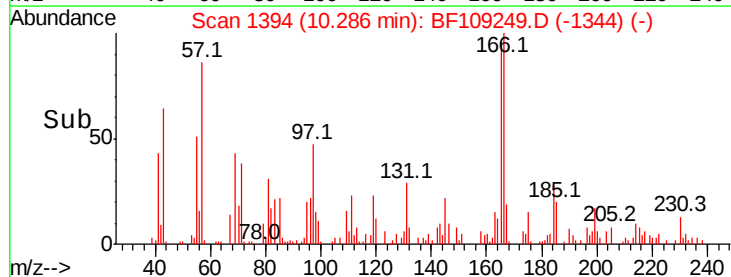
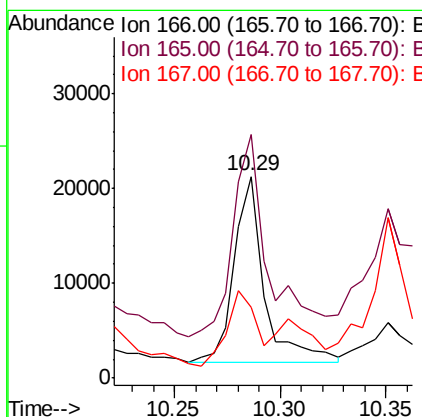
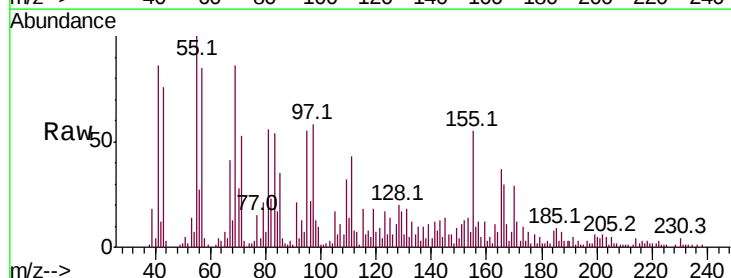
Instrument :
BNA_F
ClientSampleId :

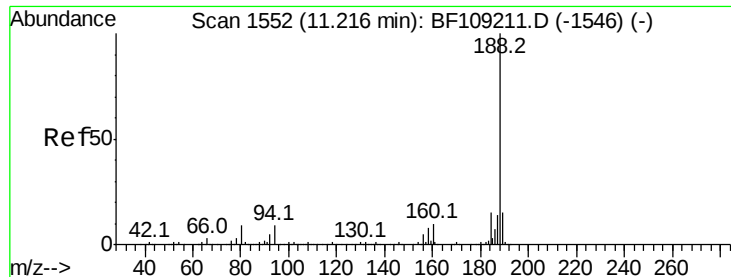
Tot Ion:139 Resp: 4416
Ion Ratio Lower Upper
139 100
109 343.8 48.4 88.4#
65 89.1 72.6 112.6



#57
Fluorene
Concen: 2.028 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion:166 Resp: 19064
Ion Ratio Lower Upper
166 100
165 120.8 79.8 119.8#
167 34.9 10.6 16.0#

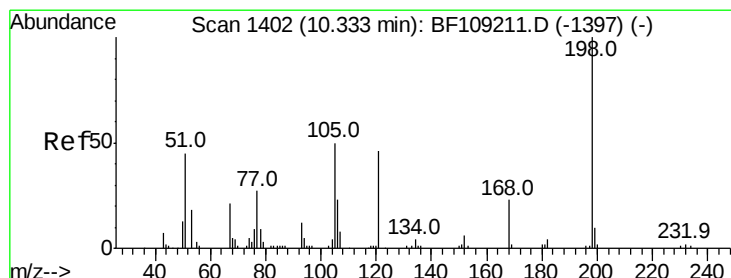
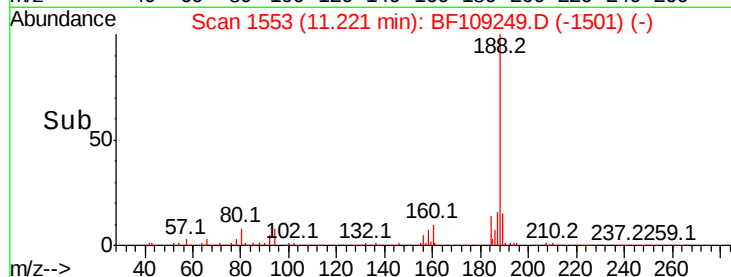
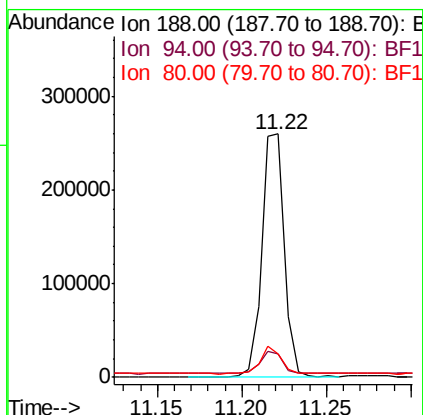
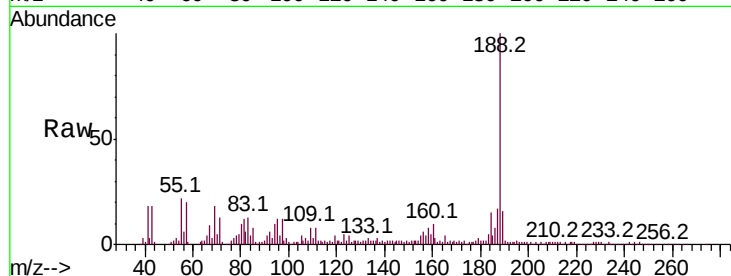




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

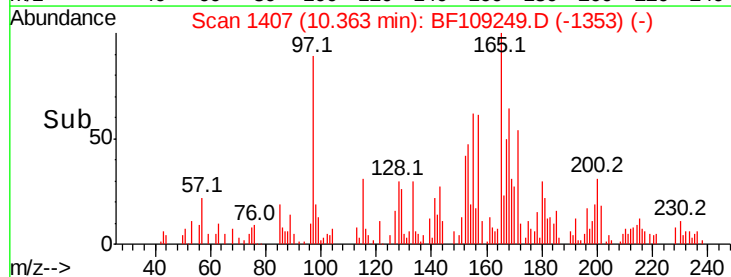
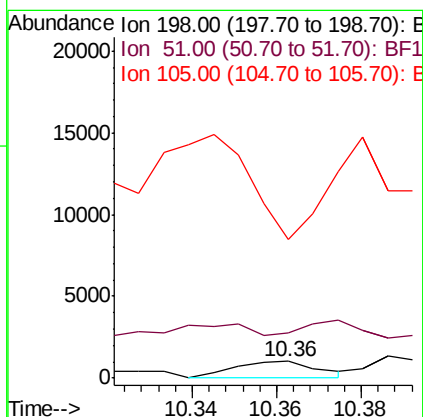
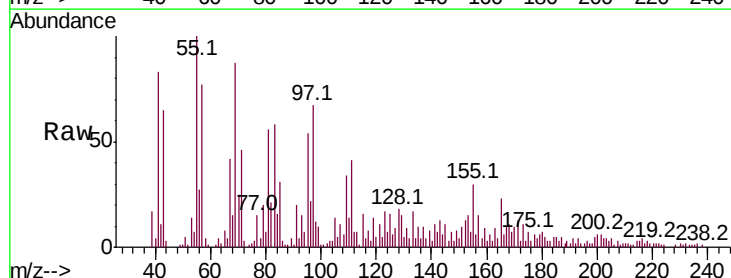
Instrument :
BNA_F
ClientSampleId :

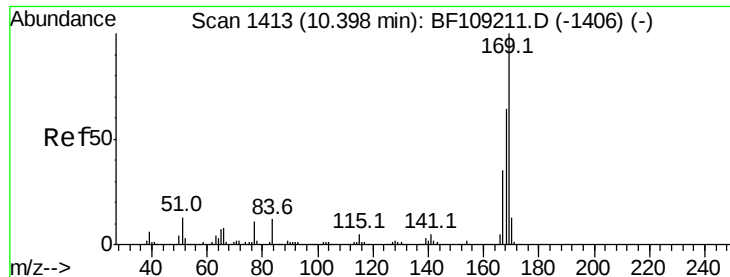
Tot Ion:188 Resp: 236165
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.814 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.02 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion:198 Resp: 1416
Ion Ratio Lower Upper
198 100
51 278.3 37.7 77.7#
105 843.7 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 7.162 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampleId :

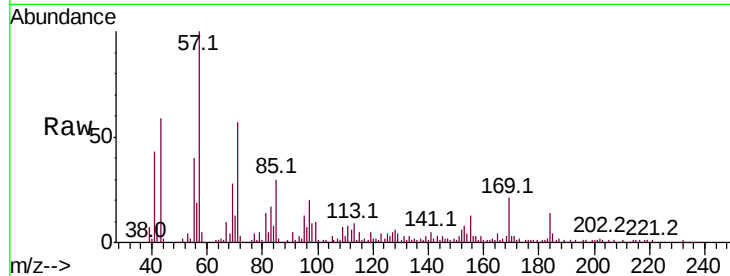
Tot Ion:169 Resp: 55884

Ion Ratio Lower Upper

169 100

168 14.1 54.4 81.6#

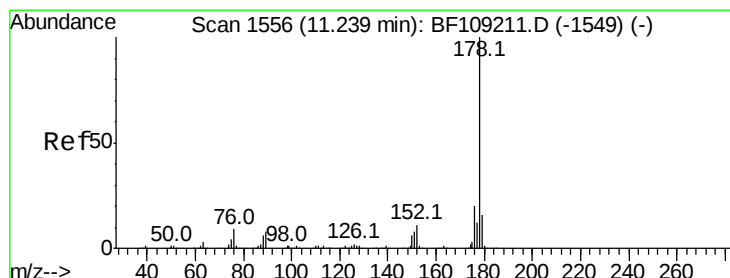
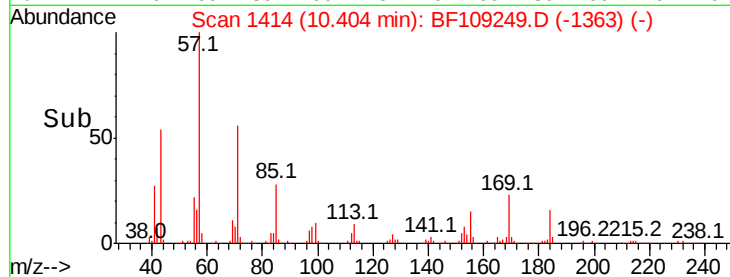
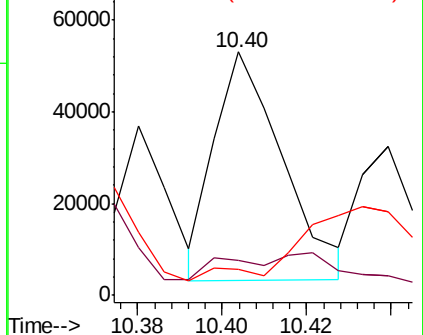
167 10.9 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 4.638 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

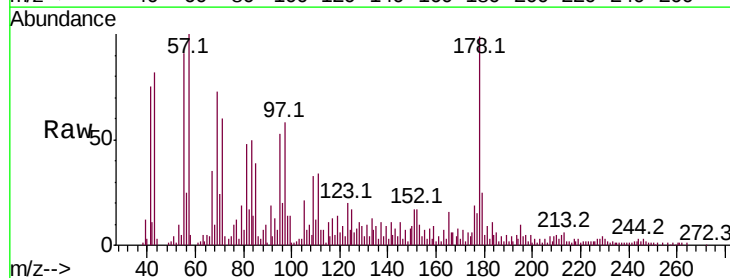
Tgt Ion:178 Resp: 54695

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

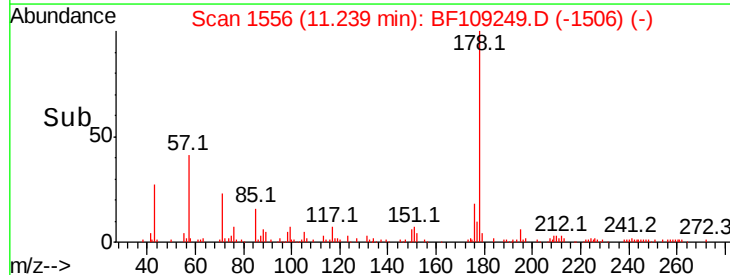
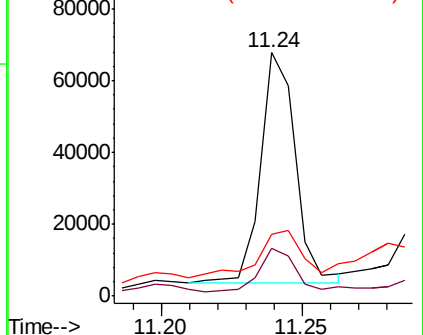
179 25.4 13.0 19.6#

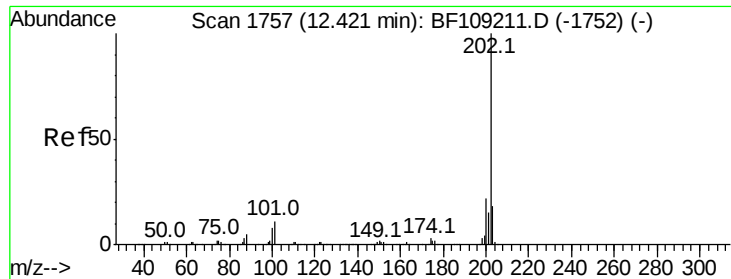


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.780 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampleId :

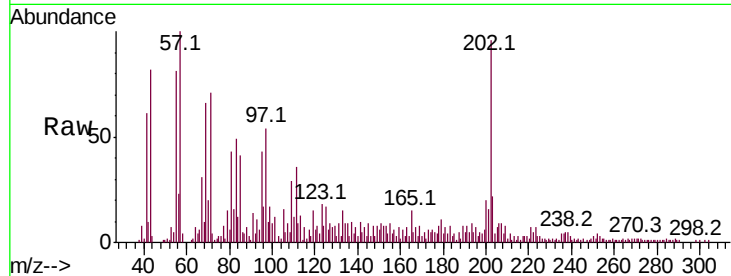
Tot Ion:202 Resp: 47637

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

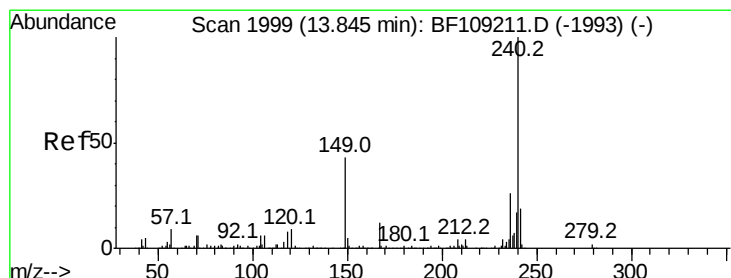
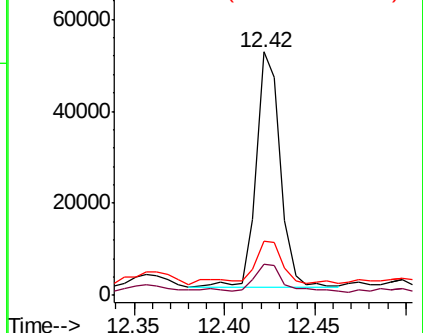
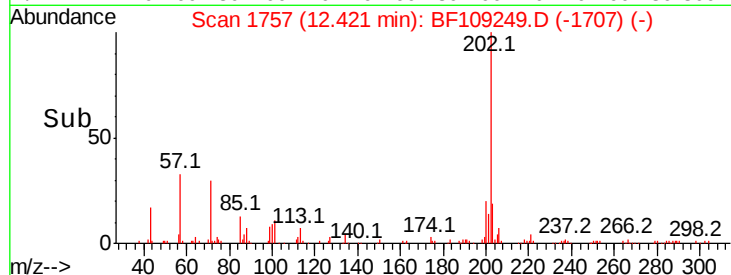
203 22.5 0.0 38.1



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

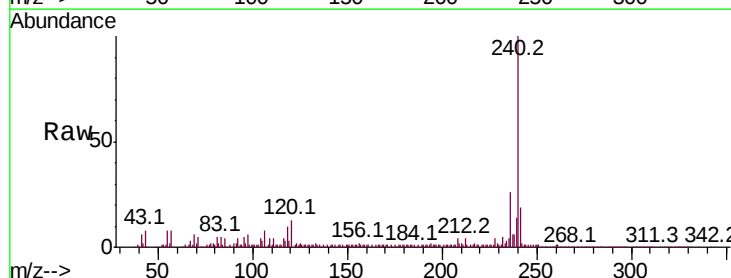
Tgt Ion:240 Resp: 207869

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

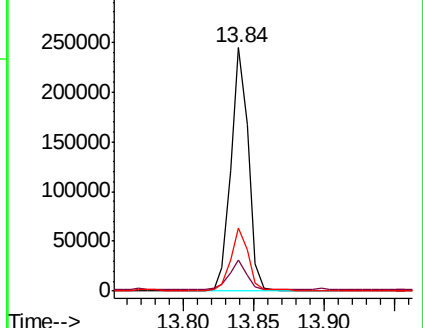
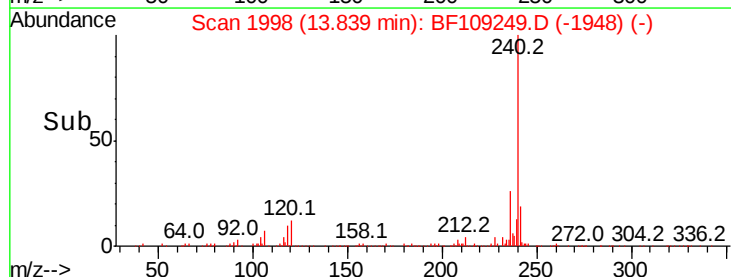
236 25.9 20.7 31.1

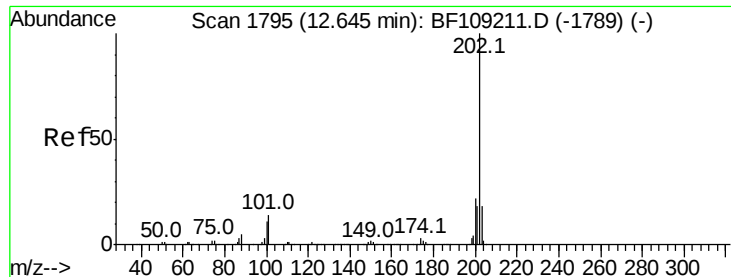


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.330 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampleId :

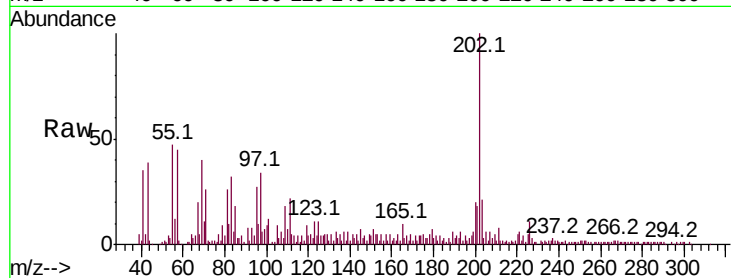
Tot Ion:202 Resp: 64507

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

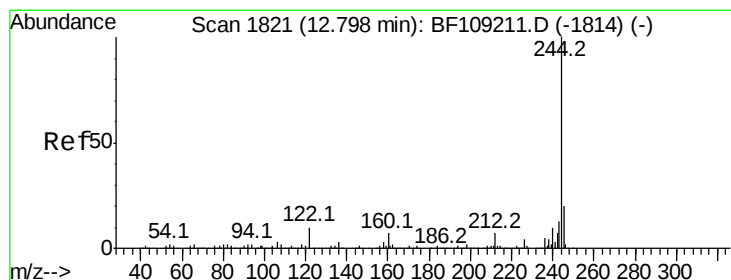
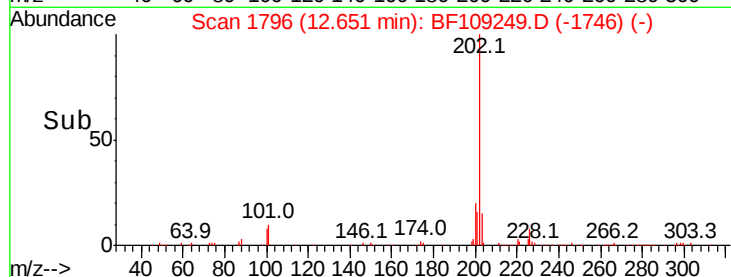
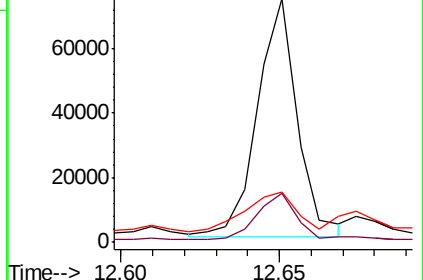
203 20.9 14.3 21.5



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: 80.866 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

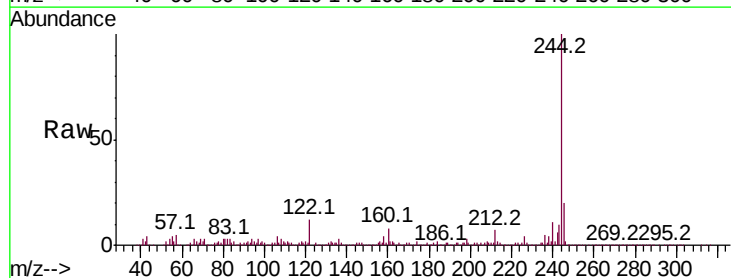
Tgt Ion:244 Resp: 684937

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

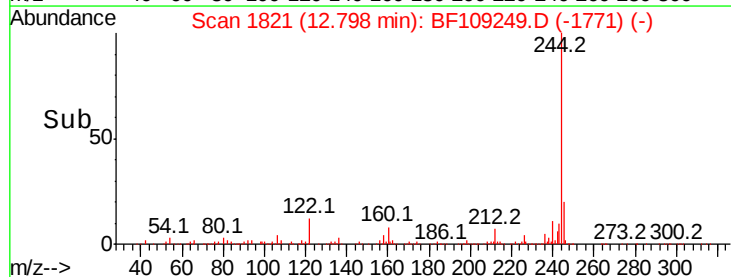
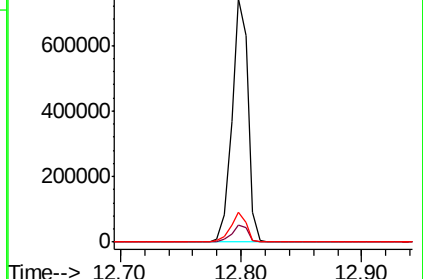
122 12.5 11.0 16.4

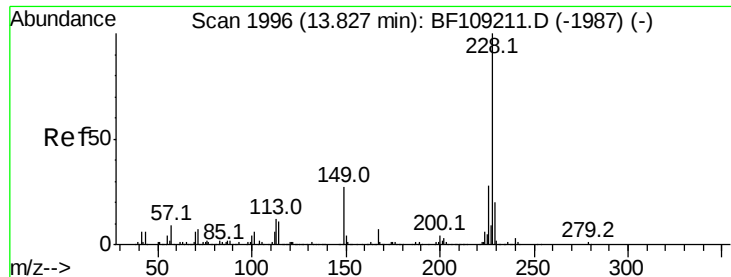


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

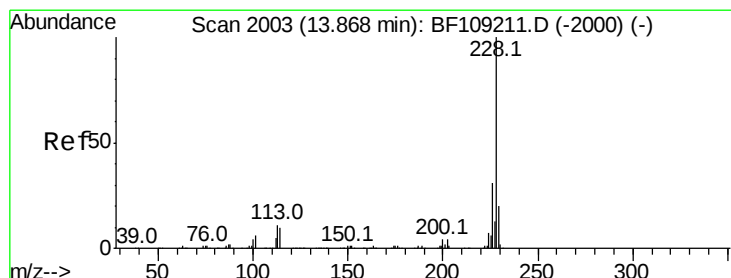
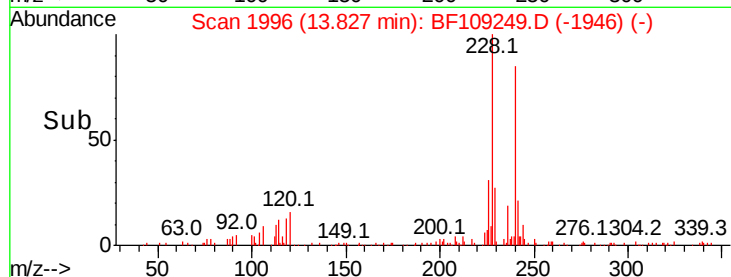
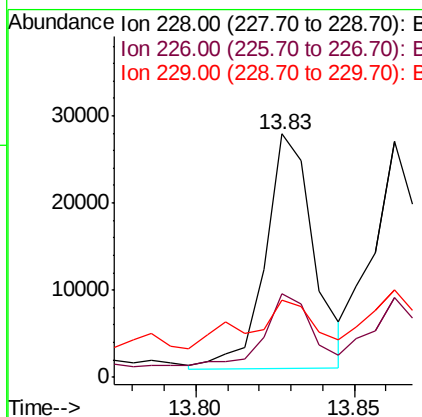
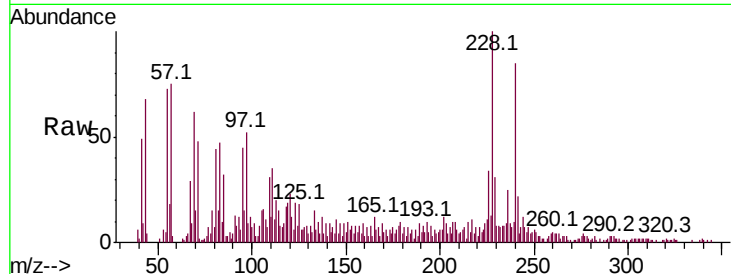




#80
Benzo(a)anthracene
Concen: 2.290 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

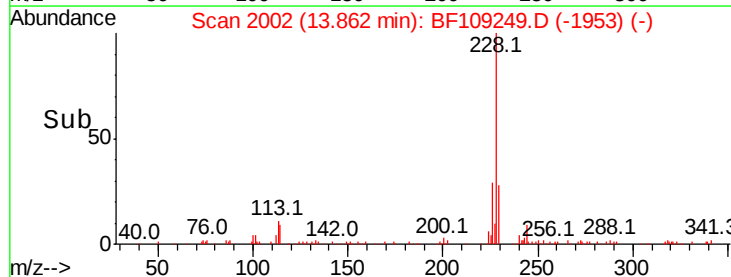
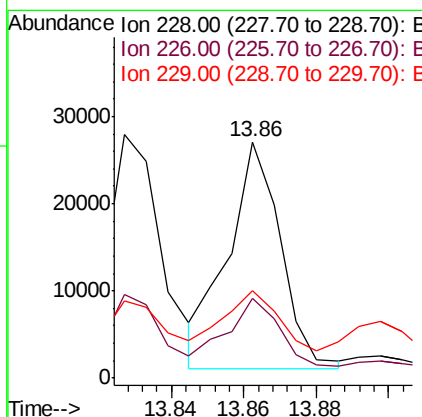
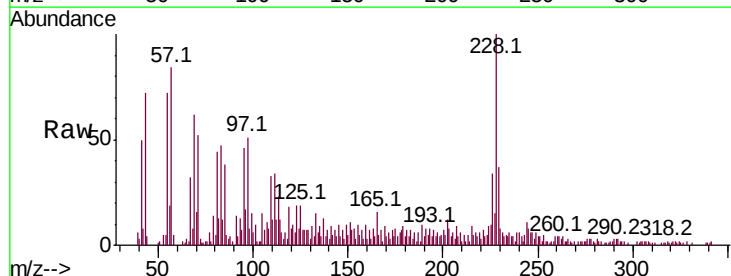
Instrument :
BNA_F
ClientSampleId :

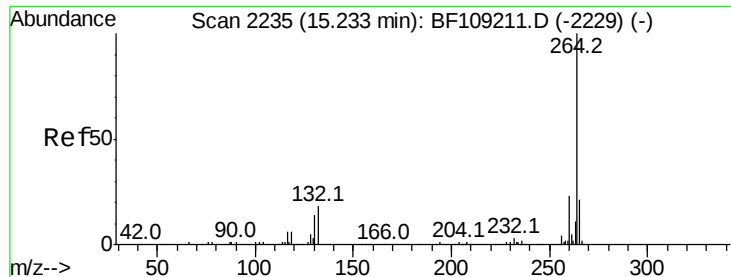
Tot Ion:228 Resp: 28674
Ion Ratio Lower Upper
228 100
226 34.2 22.6 33.8#
229 31.5 15.8 23.6#



#82
Chrysene
Concen: 2.129 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion:228 Resp: 26416
Ion Ratio Lower Upper
228 100
226 33.8 25.0 37.6
229 37.1 16.2 24.4#

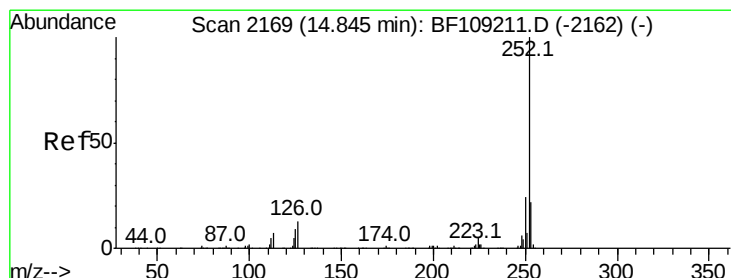
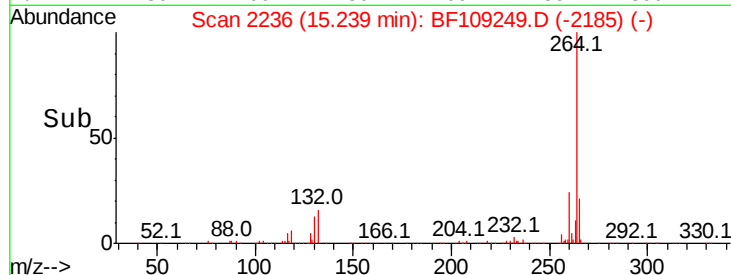
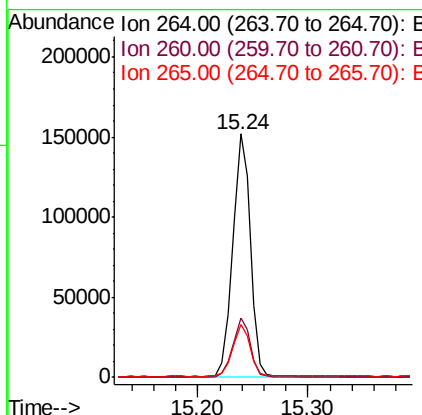
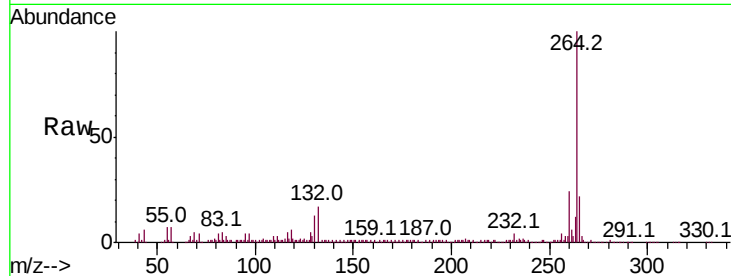




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

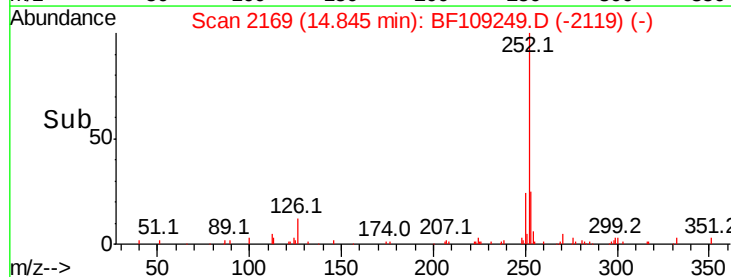
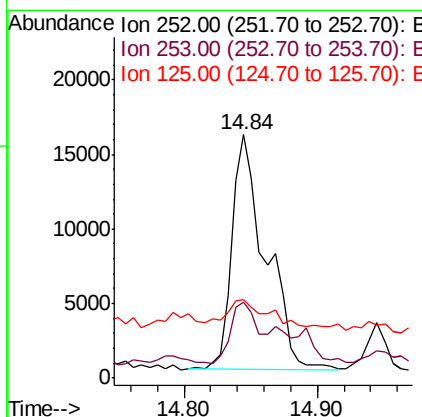
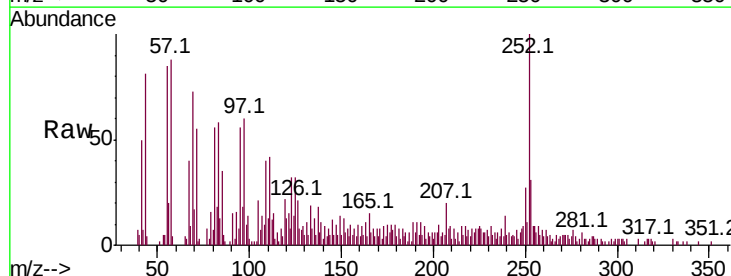
Instrument :
BNA_F
ClientSampleId :

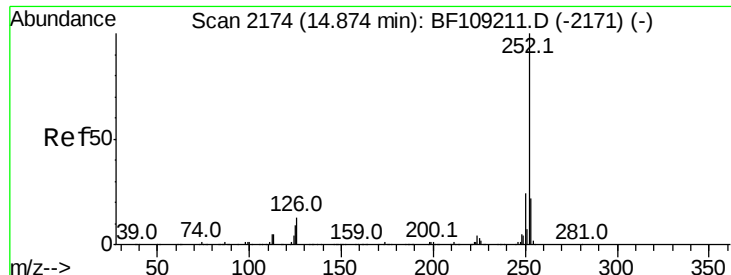
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.925 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109249.D
Acq: 23 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.0	25.6#
125	32.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.083 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109249.D

Acq: 23 Sep 2018 4:39

Instrument :

BNA_F

ClientSampleId :

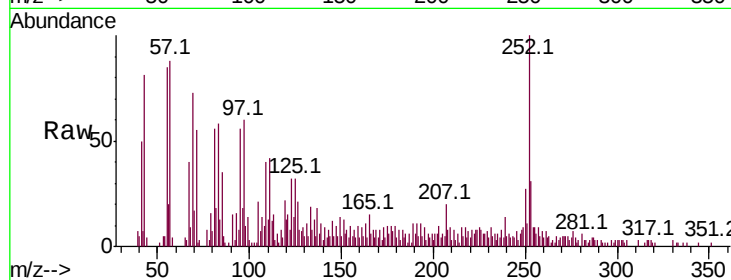
Tot Ion:252 Resp: 27768

Ion Ratio Lower Upper

252 100

253 31.4 17.9 26.9#

125 32.1 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

