

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109252.D
 Acq On : 23 Sep 2018 6:00
 Operator : JU/SJ
 Sample : J5017-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:54:33 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	111098	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	394217	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	151103	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	207144	20.00	ng	0.01
75) Chrysene-d12	13.86	240	162795	20.00	ng	0.02
86) Perylene-d12	15.27	264	151237	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	754396	111.84	ng	0.00
7) Phenol-d6	6.35	99	973736	113.13	ng	-0.01
23) Nitrobenzene-d5	7.27	82	602465	90.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	158117	106.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	960171	95.84	ng	0.00
78) Terphenyl-d14	12.82	244	529829	79.87	ng	0.02

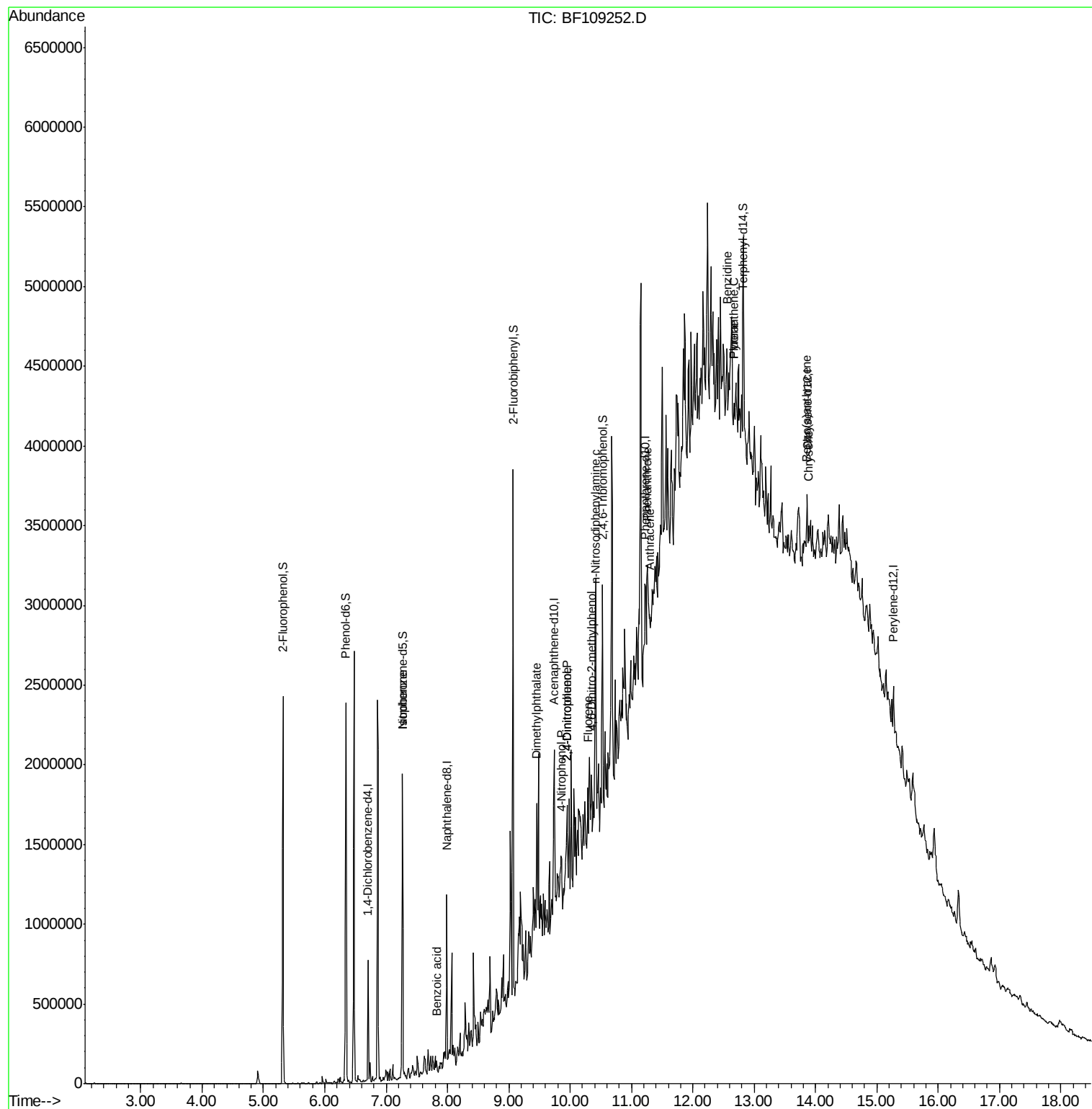
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.27	82	573660	47.704	ng	# 64
32) Benzoic acid	7.82	122	232	6.853	ng	# 1
49) Dimethylphthalate	9.46	163	307320	27.963	ng	# 98
53) 2,4-Dinitrophenol	9.96	184	1595	10.349	ng	# 1
55) 4-Nitrophenol	9.85	139	8888	4.681	ng	# 1
56) 2,4-Dinitrotoluene	9.95	165	8023	2.913	ng	# 65
57) Fluorene	10.29	166	22420	2.355	ng	# 73
64) 4,6-Dinitro-2-methylphenol	10.36	198	774	7.326	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	79197	11.572	ng	# 43
70) Phenanthrene	11.25	178	109247	10.563	ng	# 82
71) Anthracene	11.30	178	26330	2.510	ng	# 36
74) Fluoranthene	12.67	202	57625	5.214	ng	# 80
76) Benzidine	12.55	184	12862	2.191	ng	# 1
77) Pyrene	12.67	202	60588	5.193	ng	# 85
80) Benzo(a)anthracene	13.85	228	23418	2.388	ng	# 24
82) Chrysene	13.89	228	36398	3.745	ng	# 41

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

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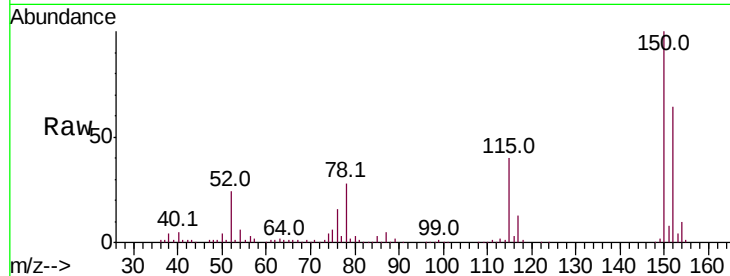


#1

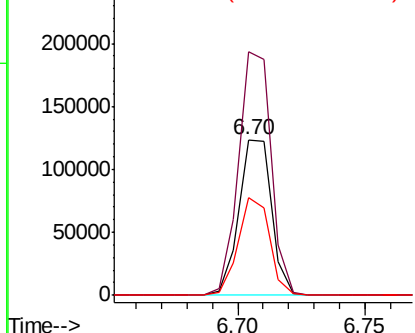
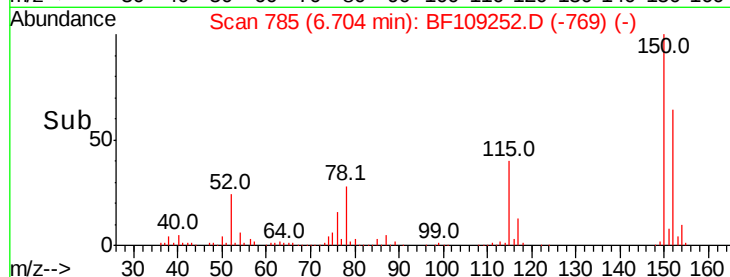
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109252.D
 Acq: 23 Sep 2018 6:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 111098
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 62.6 50.1 75.1



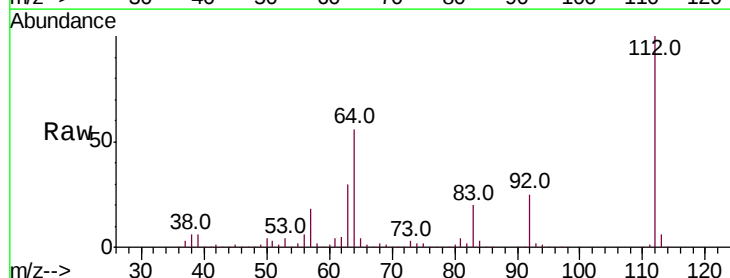
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



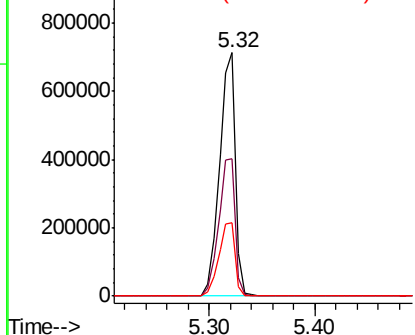
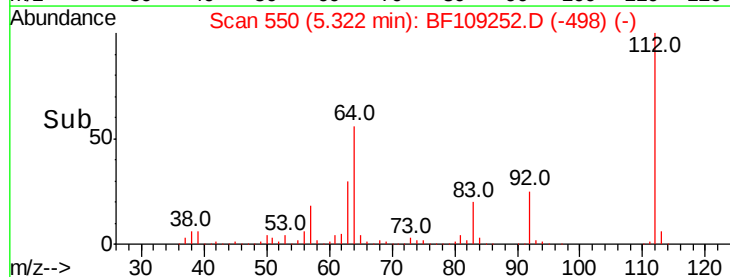
#5

2-Fluorophenol
 Concen: 111.843 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109252.D
 Acq: 23 Sep 2018 6:00

Tgt Ion:112 Resp: 754396
 Ion Ratio Lower Upper
 112 100
 64 56.3 47.9 71.9
 63 29.9 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: 113.132 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampled :

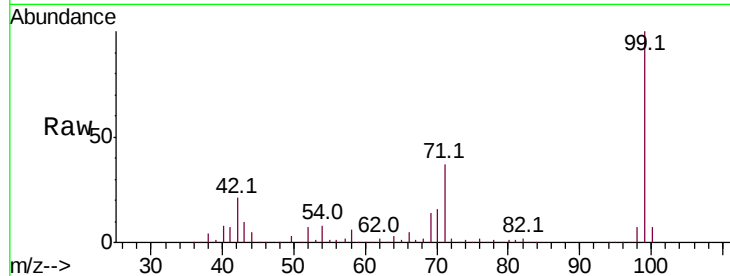
Tot Ion: 99 Resp: 973736

Ion Ratio Lower Upper

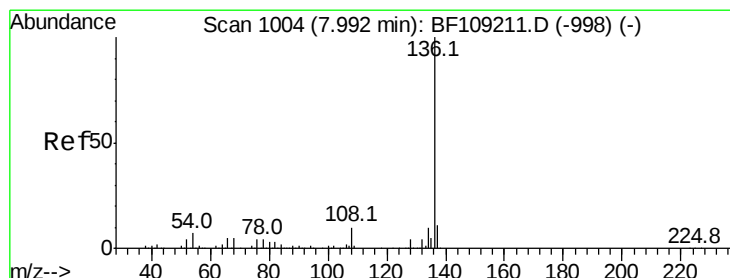
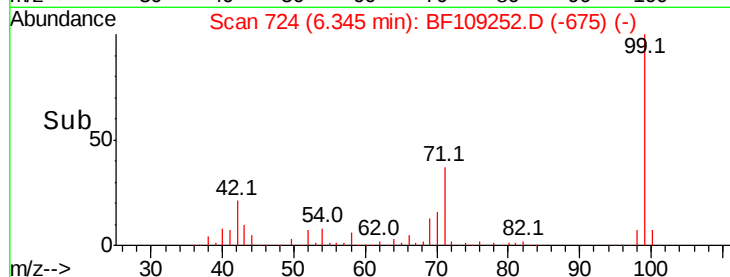
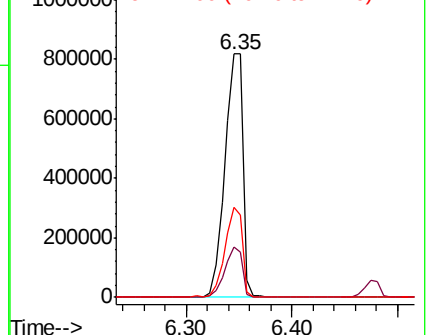
99 100

42 20.9 14.5 21.7

71 37.2 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: BF109252.D

Acq: 23 Sep 2018 6:00

Tgt Ion: 136 Resp: 394217

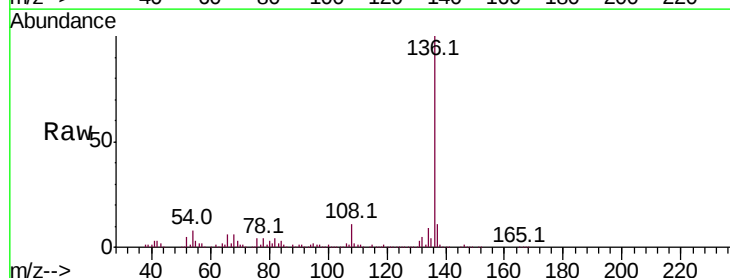
Ion Ratio Lower Upper

136 100

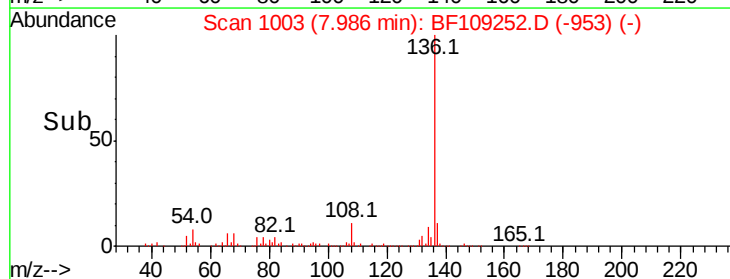
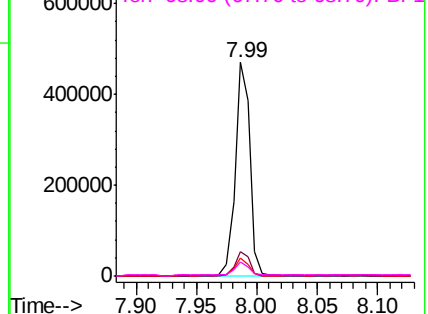
137 11.1 8.9 13.3

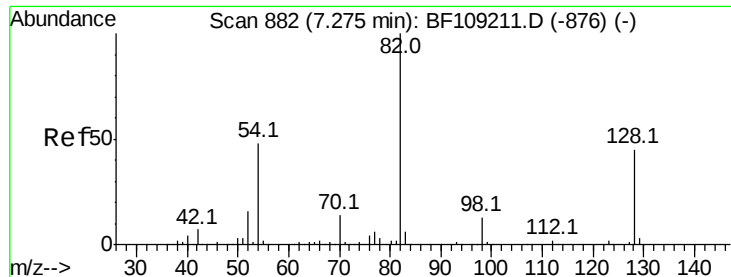
54 8.1 6.6 9.8

68 6.3 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

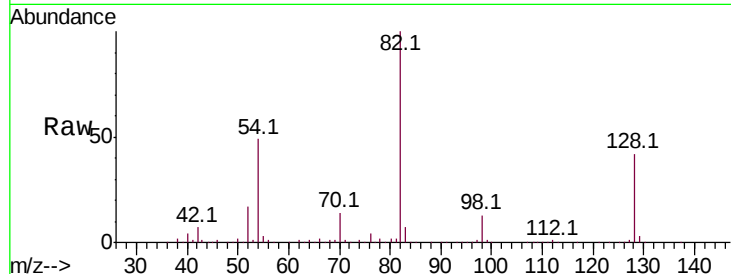




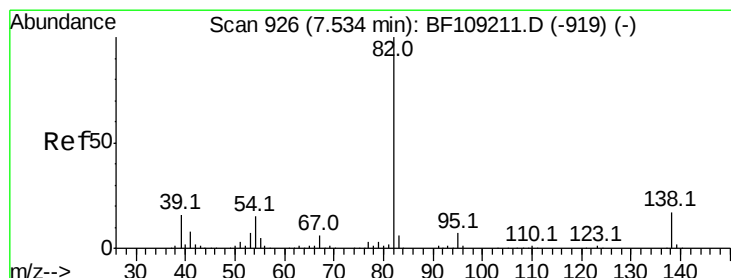
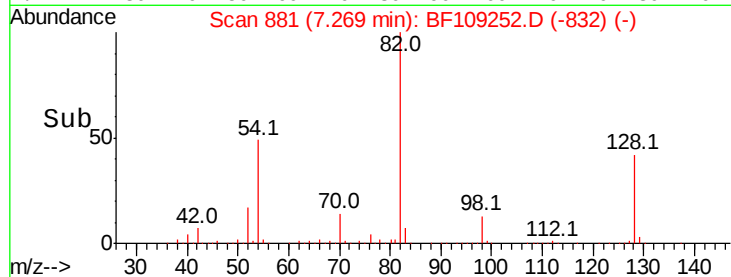
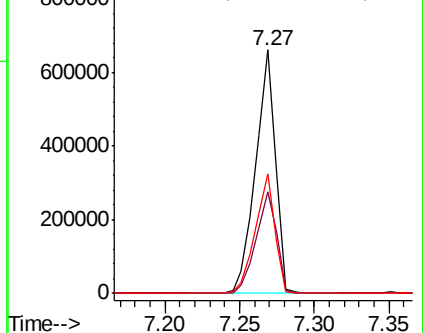
#23
Nitrobenzene-d5
Concen: 90.215 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	602465
Ion Ratio	Lower	Upper	
82	100		
128	41.8	36.1	54.1
54	49.1	41.4	62.2

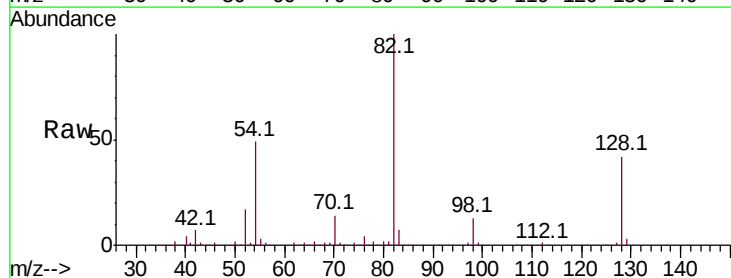


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

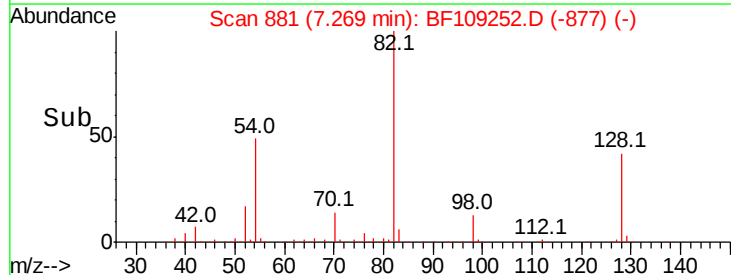
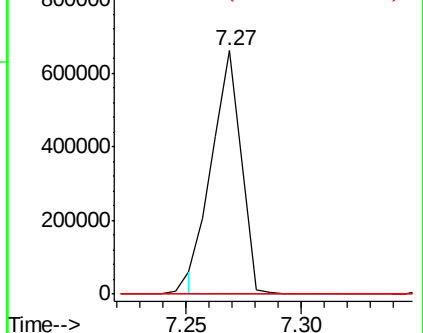


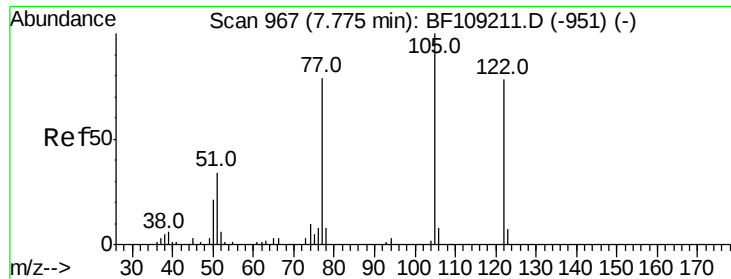
#25
Isophorone
Concen: 47.704 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion	82	Resp	573660
Ion Ratio	Lower	Upper	
82	100		
95	0.2	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

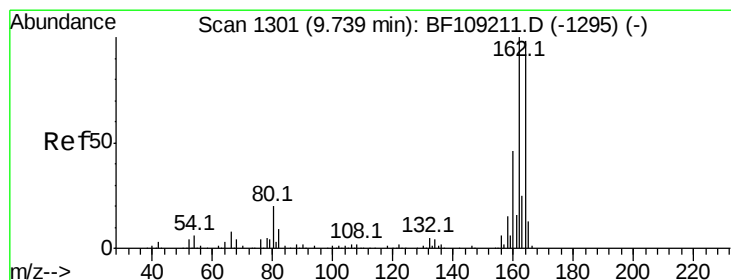
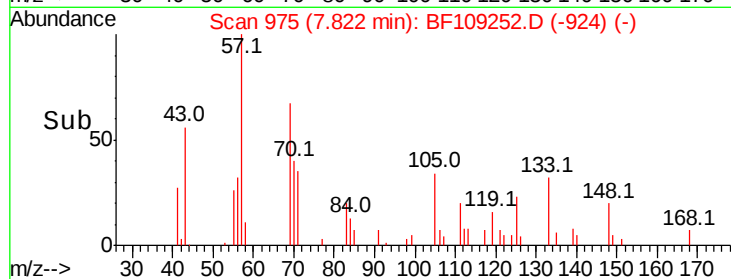
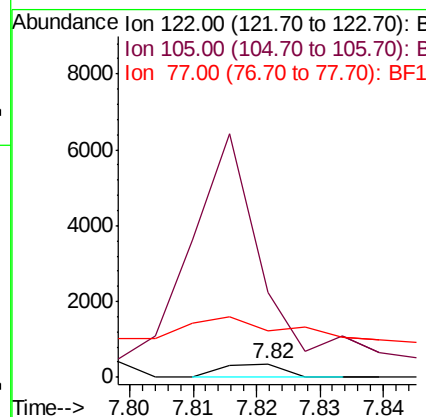
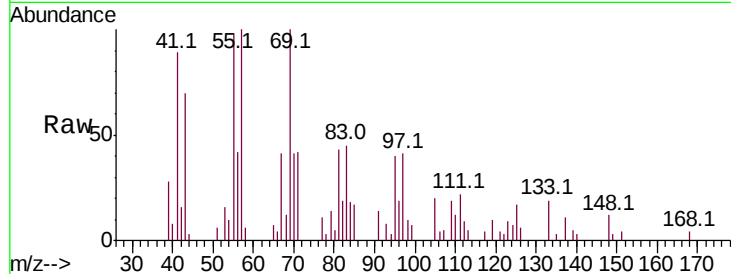




#32
Benzoic acid
Concen: 6.853 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

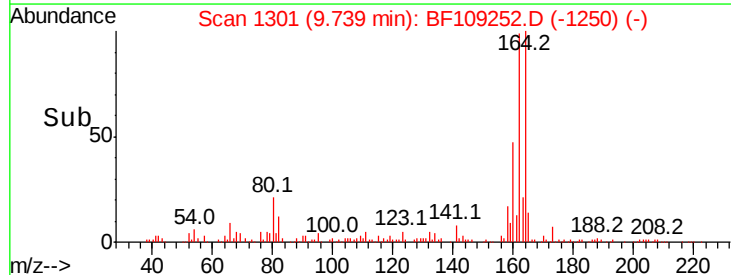
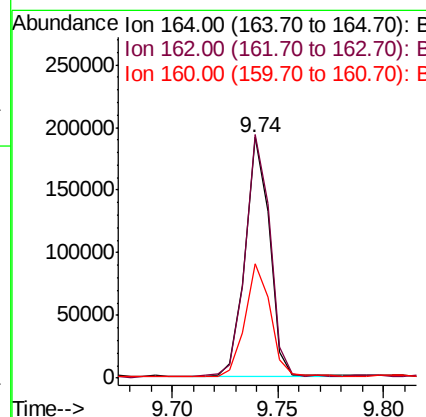
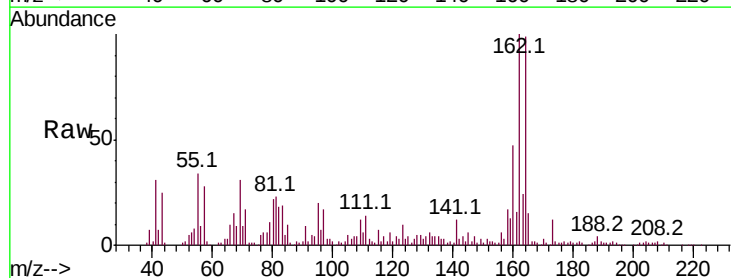
Instrument :
BNA_F
ClientSampleId :

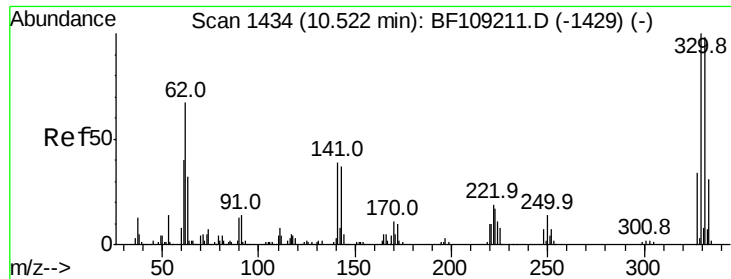
Tot Ion:122 Resp: 232
Ion Ratio Lower Upper
122 100
105 641.5 101.1 141.1#
77 351.0 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:164 Resp: 151103
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 47.6 38.3 57.5

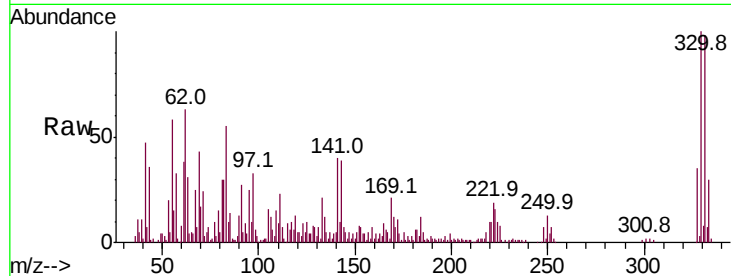




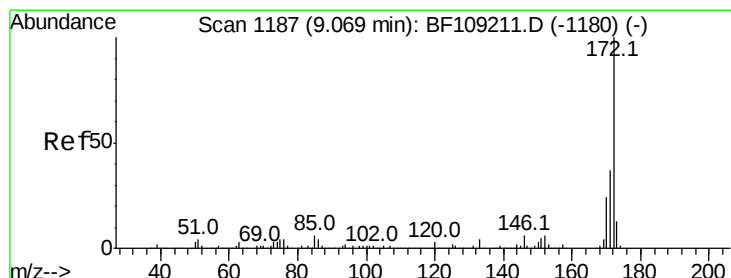
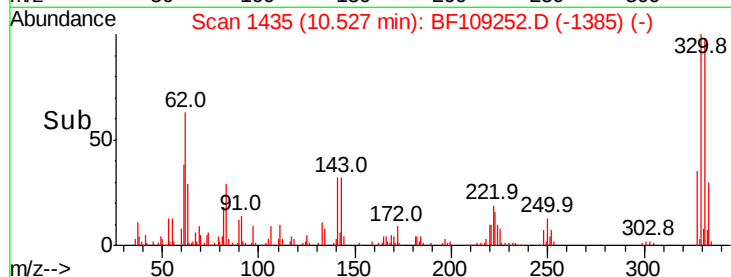
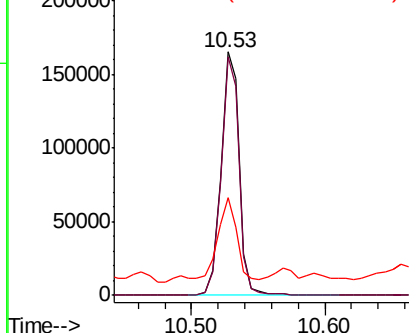
#41
 2,4,6-Tribromophenol
 Concen: 106.150 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109252.D
 Acq: 23 Sep 2018 6:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 158117
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.7 29.9 44.9

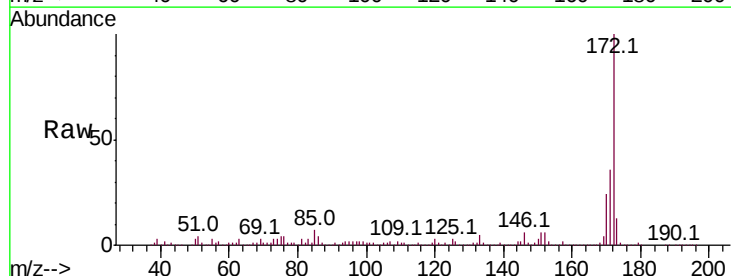


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

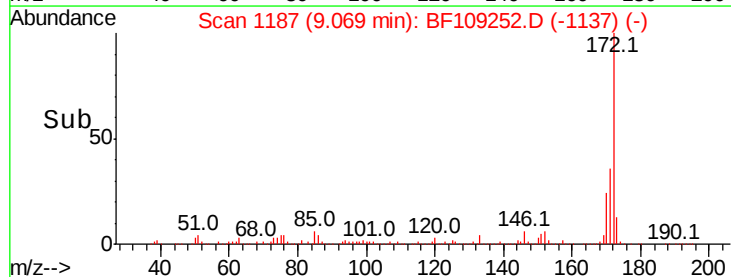
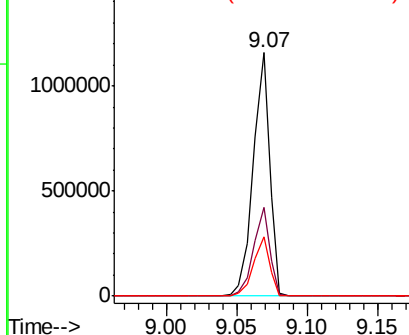


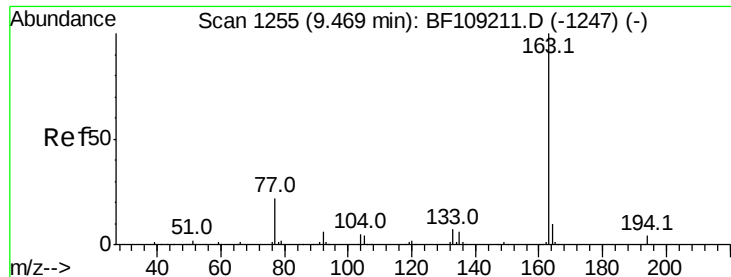
#44
 2-Fluorobiphenyl
 Concen: 95.837 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109252.D
 Acq: 23 Sep 2018 6:00

Tgt Ion:172 Resp: 960171
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.3 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

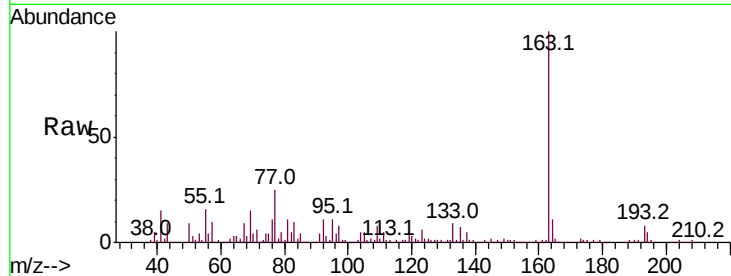




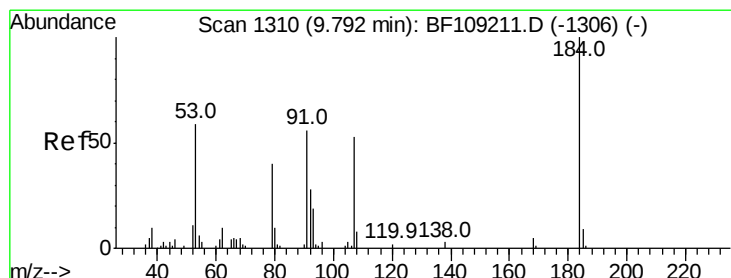
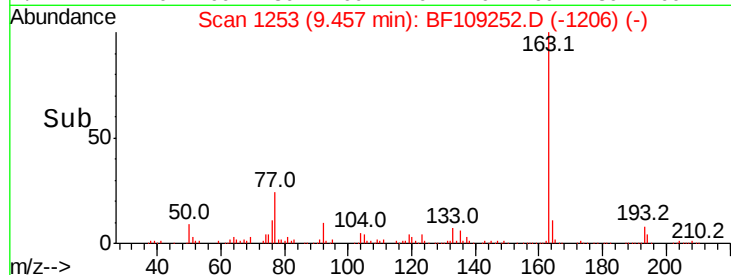
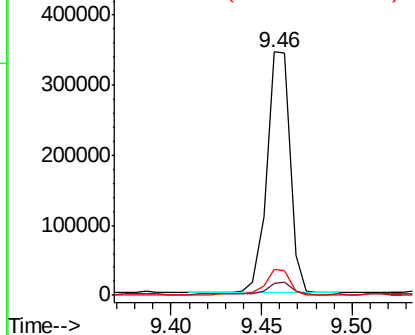
#49
Dimethylphthalate
Concen: 27.963 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 307320
Ion Ratio Lower Upper
163 100
194 5.1 2.7 4.1#
164 10.7 8.2 12.2

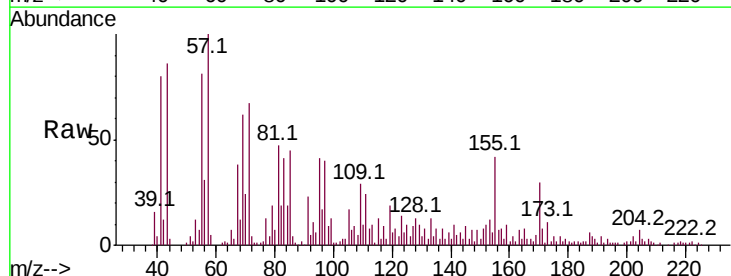


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

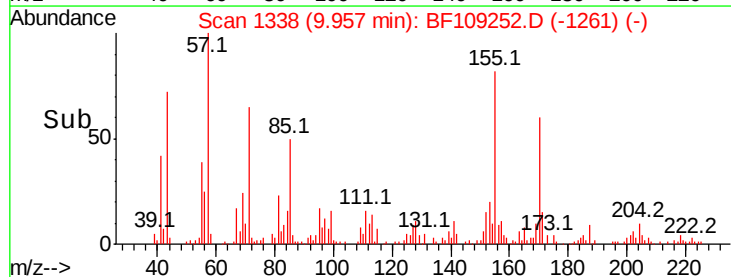
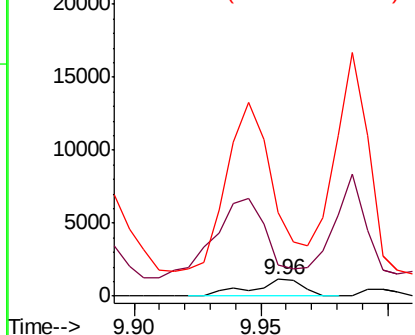


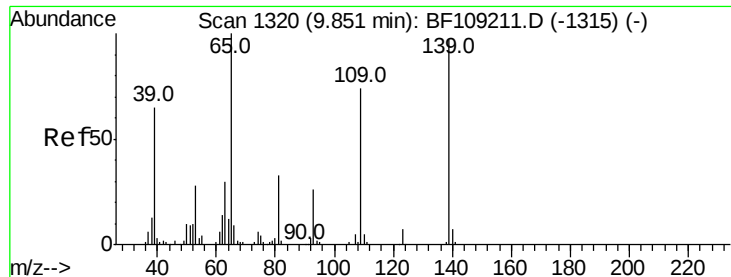
#53
2,4-Dinitrophenol
Concen: 10.349 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.15 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:184 Resp: 1595
Ion Ratio Lower Upper
184 100
63 185.7 54.2 81.2#
154 493.6 184.0 276.0#



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

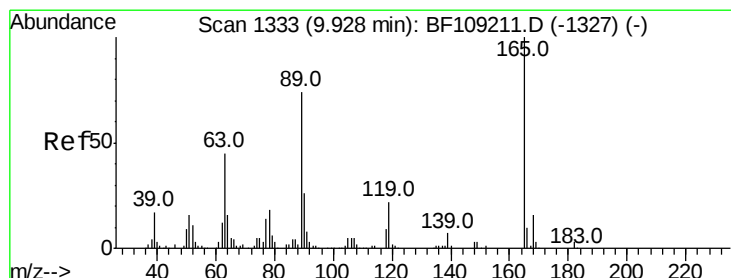
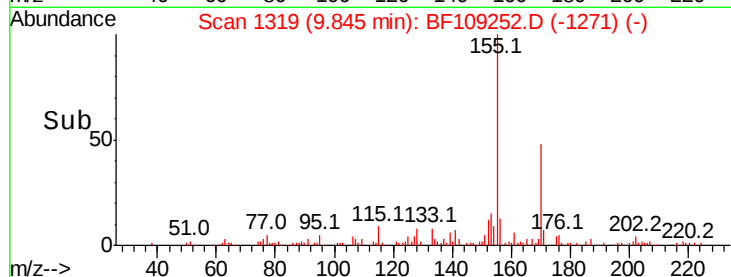
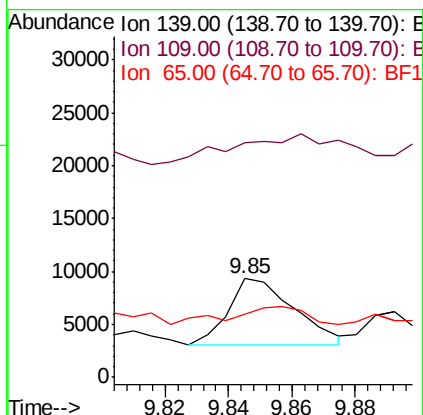
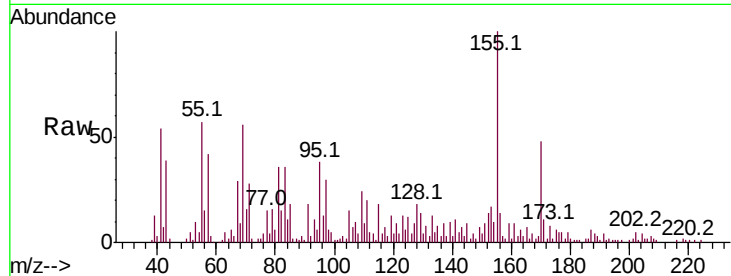




#55
4-Nitrophenol
Concen: 4.681 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

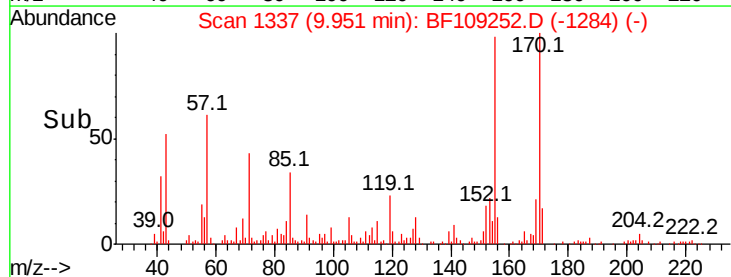
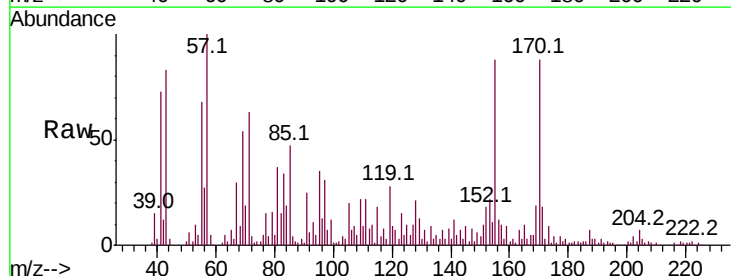
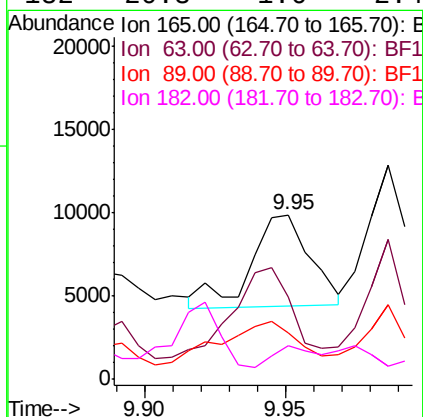
Instrument :
BNA_F
ClientSampleId :

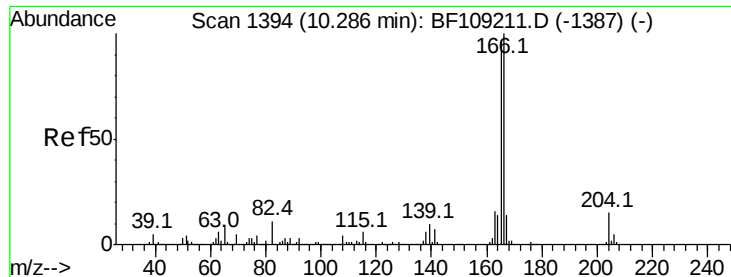
Tot Ion:139 Resp: 8888
Ion Ratio Lower Upper
139 100
109 236.8 48.4 88.4#
65 64.1 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 2.913 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:165 Resp: 8023
Ion Ratio Lower Upper
165 100
63 49.8 36.4 54.6
89 28.1 57.8 86.6#
182 20.3 1.6 2.4#





#57

Fluorene

Concen: 2.355 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampled :

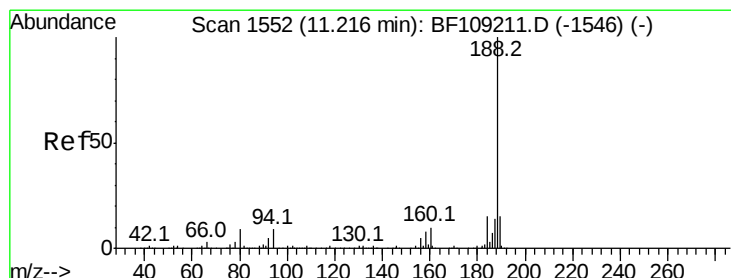
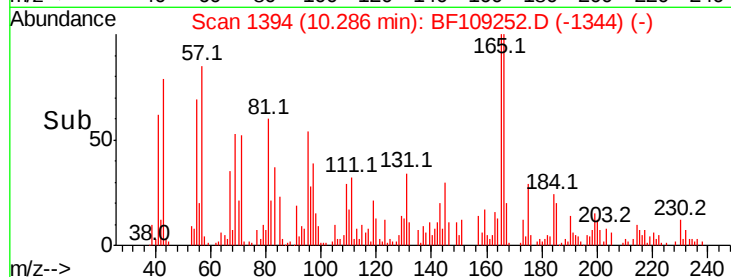
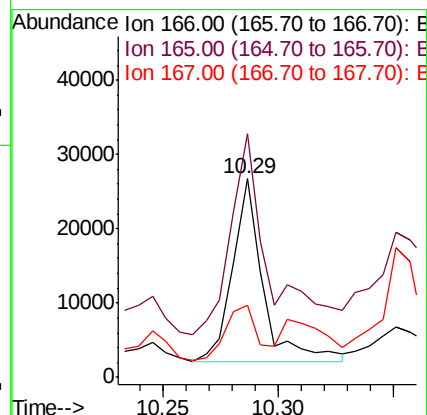
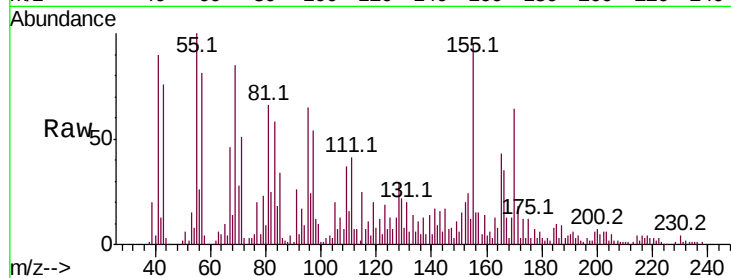
Tot Ion:166 Resp: 22420

Ion Ratio Lower Upper

166 100

165 122.7 79.8 119.8#

167 36.1 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. 0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

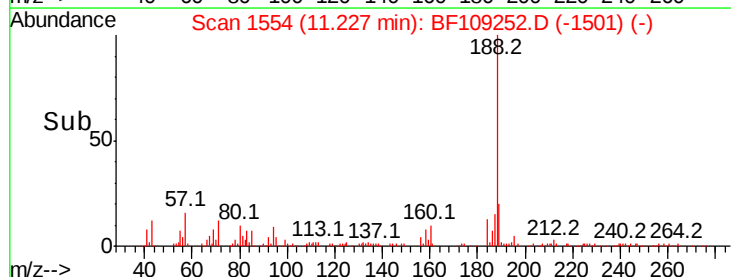
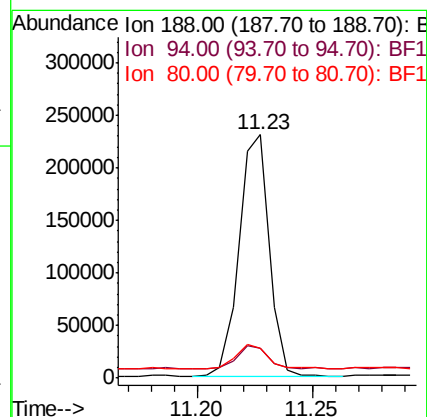
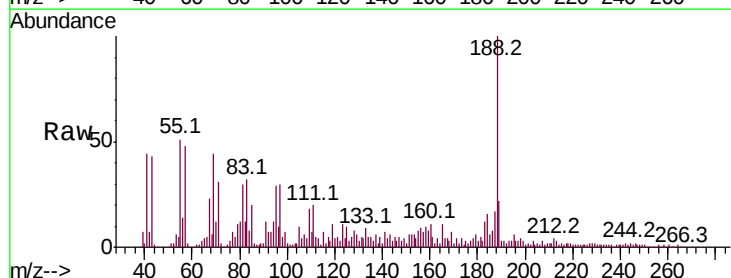
Tgt Ion:188 Resp: 207144

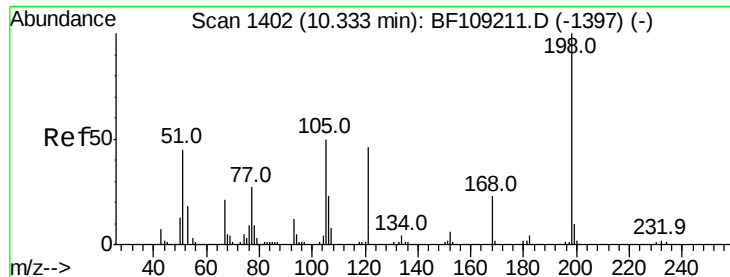
Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

80 12.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.326 ng

RT: 10.36 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampleId :

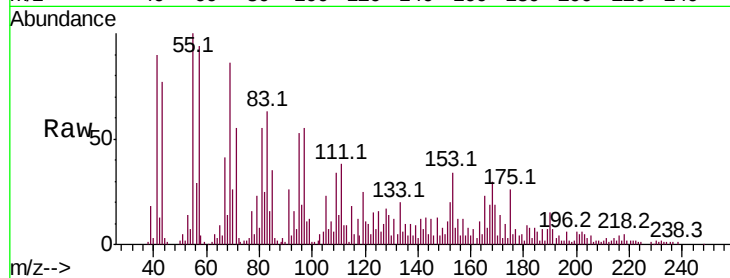
Tot Ion:198 Resp: 774

Ion Ratio Lower Upper

198 100

51 411.8 37.7 77.7#

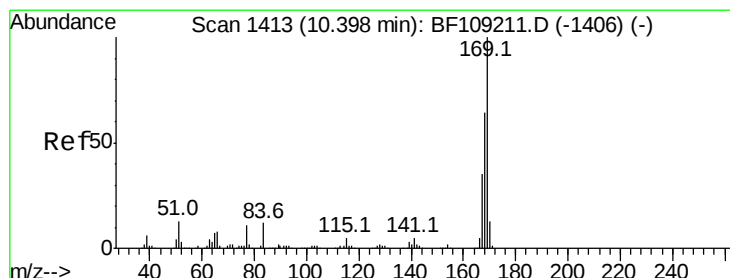
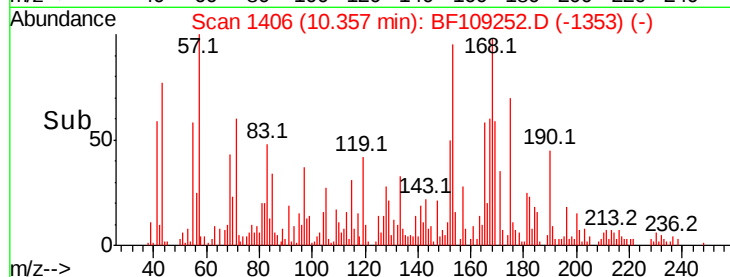
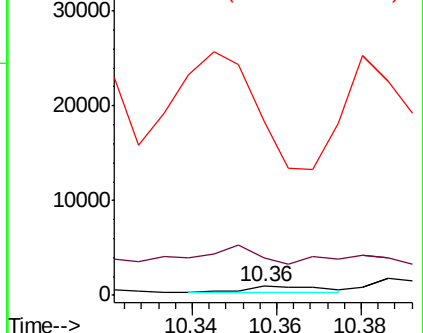
105 1941.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 11.572 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

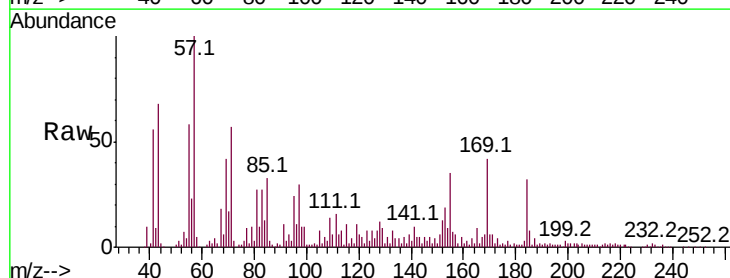
Tgt Ion:169 Resp: 79197

Ion Ratio Lower Upper

169 100

168 15.3 54.4 81.6#

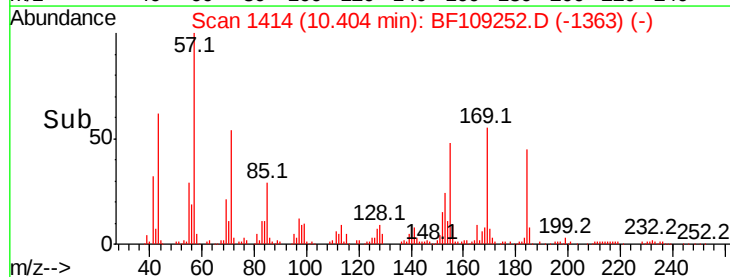
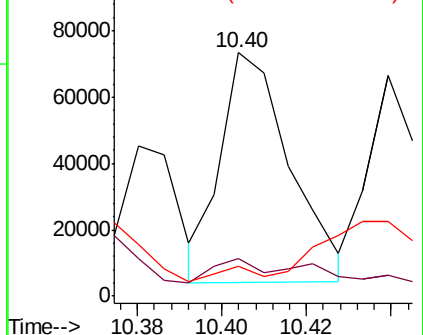
167 12.2 29.8 44.6#

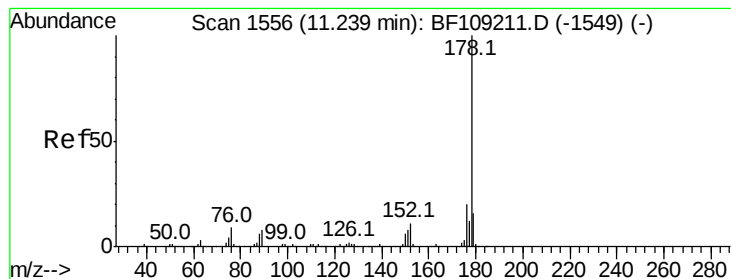


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 10.563 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampleId :

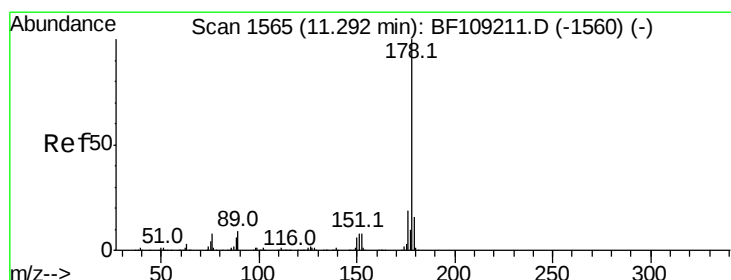
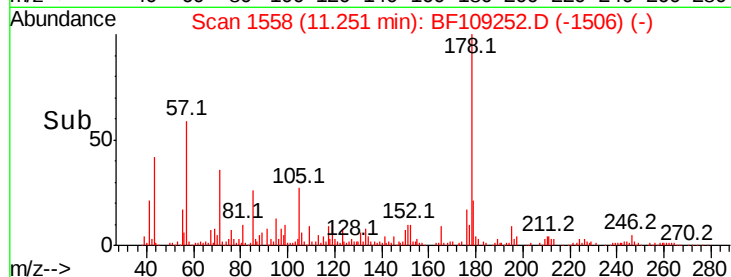
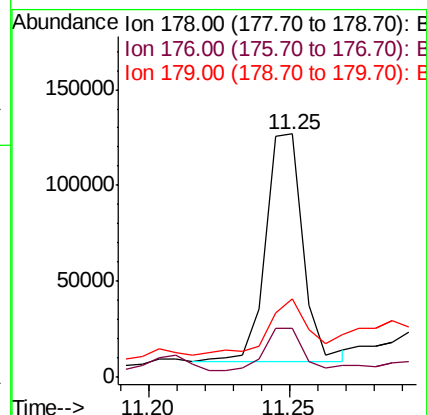
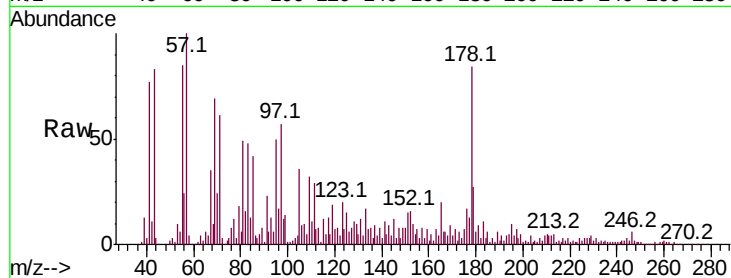
Tot Ion:178 Resp: 109247

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

179 32.3 13.0 19.6#



#71

Anthracene

Concen: 2.510 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

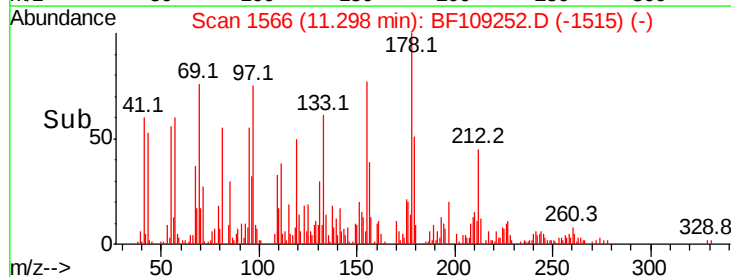
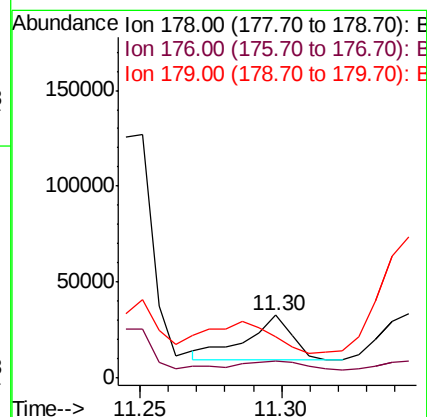
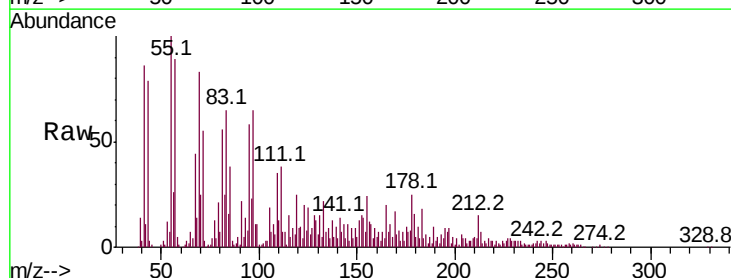
Tgt Ion:178 Resp: 26330

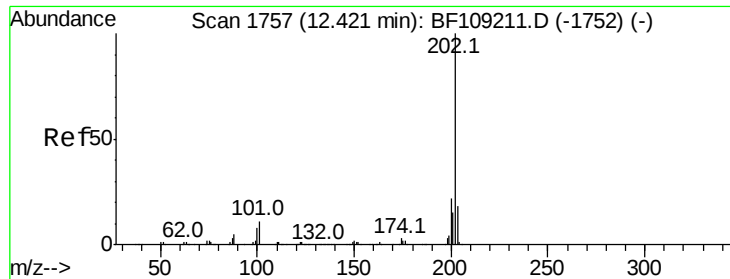
Ion Ratio Lower Upper

178 100

176 27.8 15.4 23.2#

179 65.9 12.6 19.0#





#74

Fluoranthene

Concen: 5.214 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.25 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampleId :

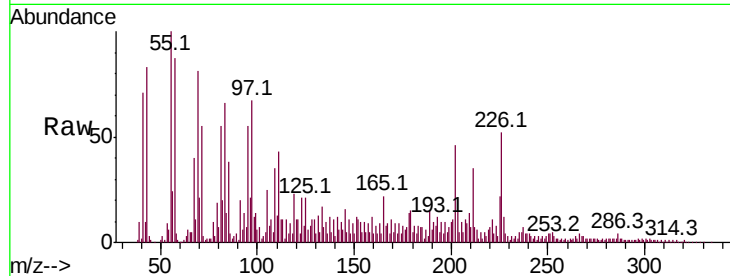
Tot Ion:202 Resp: 57625

Ion Ratio Lower Upper

202 100

101 15.9 0.0 34.1

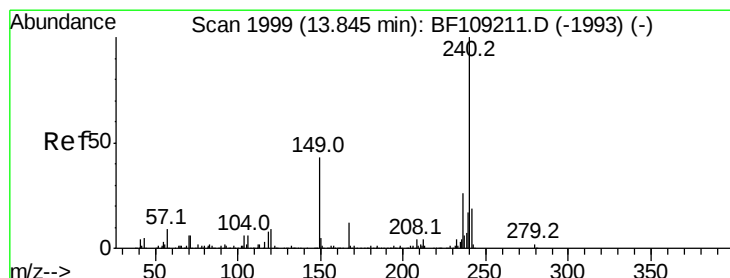
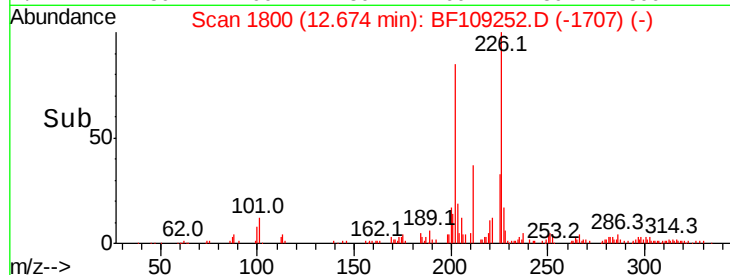
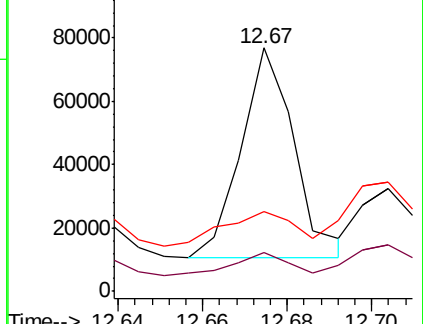
203 32.7 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. 0.02 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

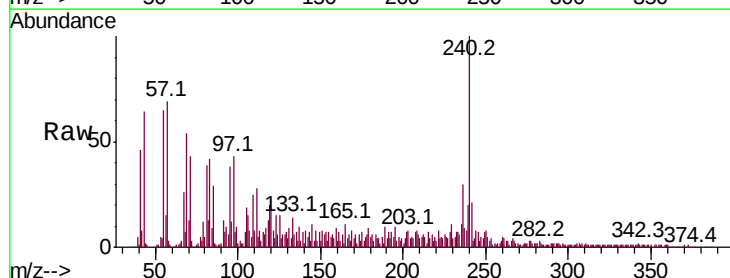
Tgt Ion:240 Resp: 162795

Ion Ratio Lower Upper

240 100

120 19.2 9.5 14.3#

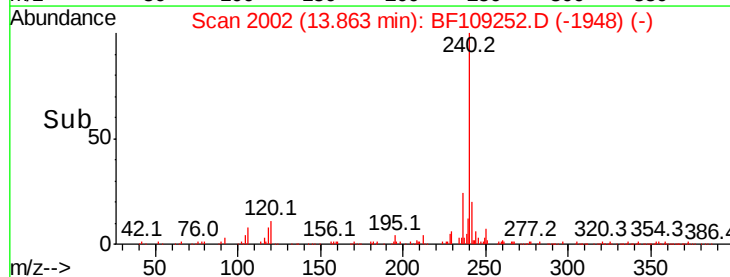
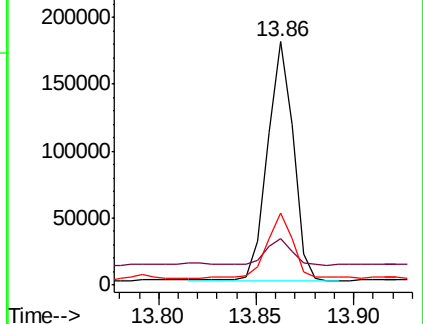
236 29.6 20.7 31.1

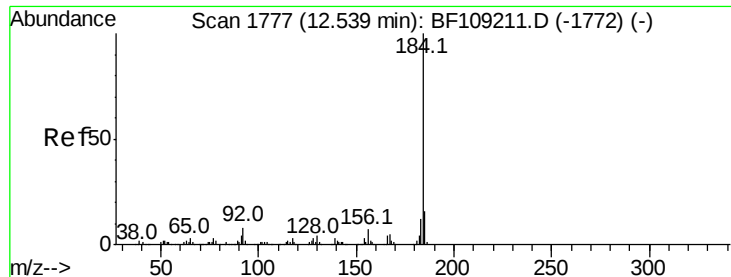


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.191 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampleId :

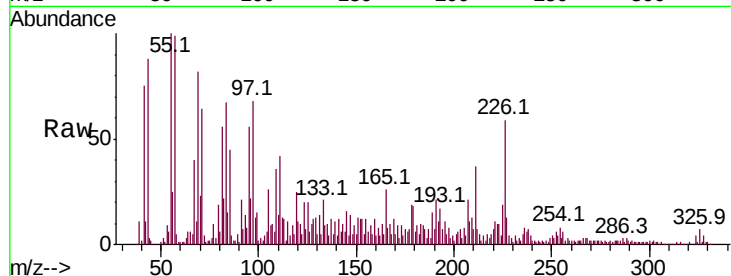
Tot Ion:184 Resp: 12862

Ion Ratio Lower Upper

184 100

185 78.7 12.6 18.8#

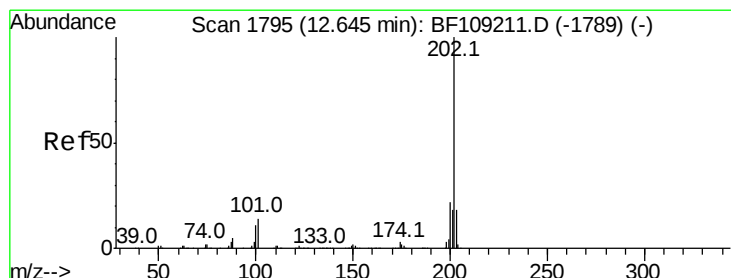
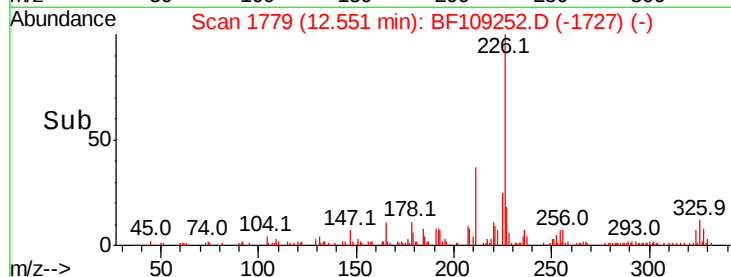
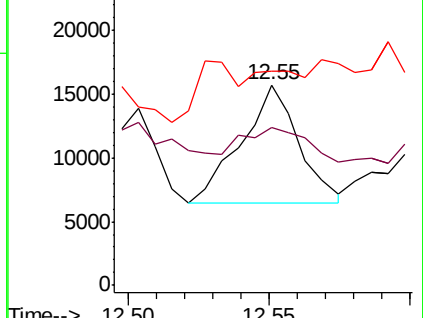
183 106.9 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 5.193 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.02 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

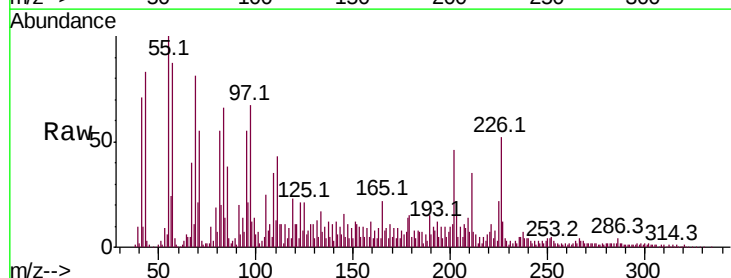
Tgt Ion:202 Resp: 60588

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

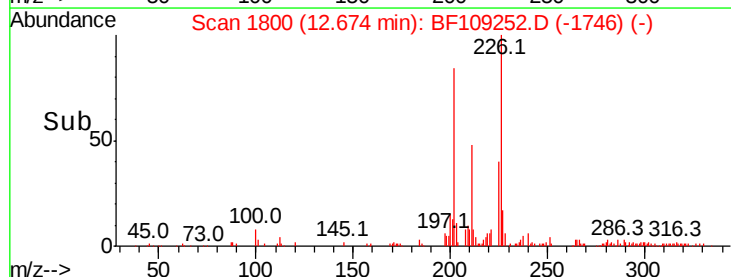
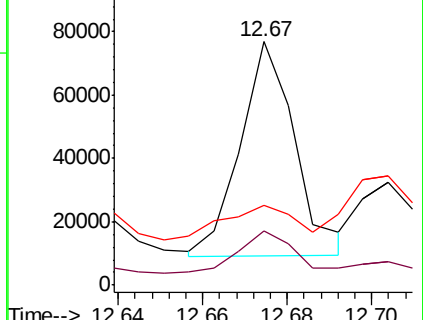
203 32.7 14.3 21.5#

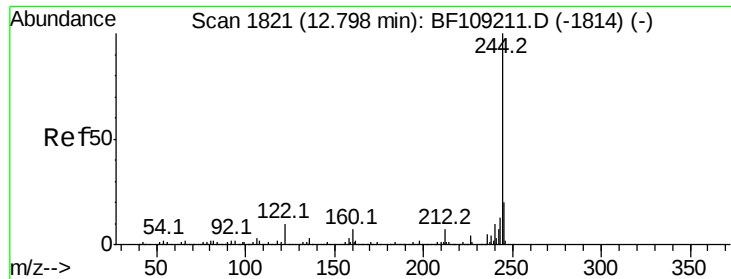


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.873 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampled :

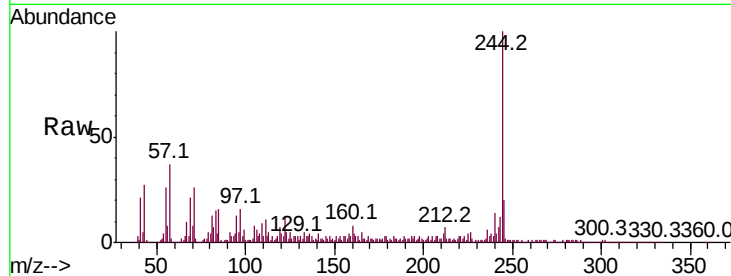
Tot Ion:244 Resp: 529829

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

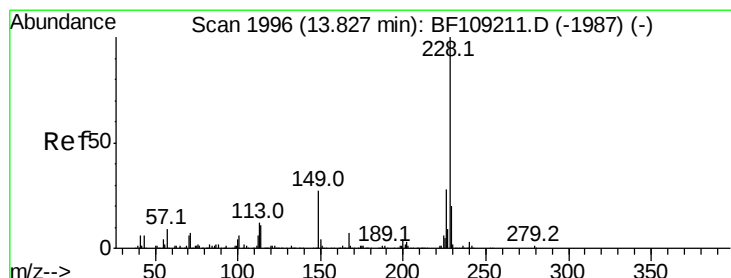
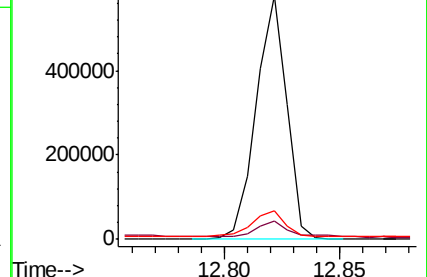
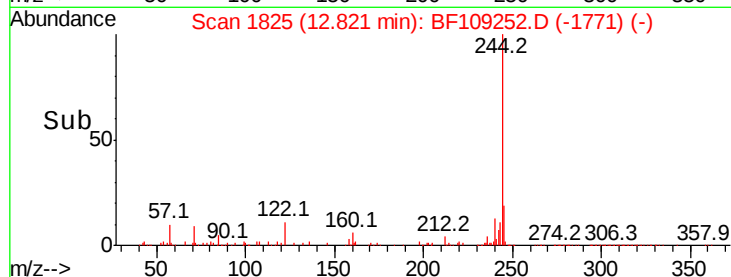
122 12.0 11.0 16.4



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: 2.388 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

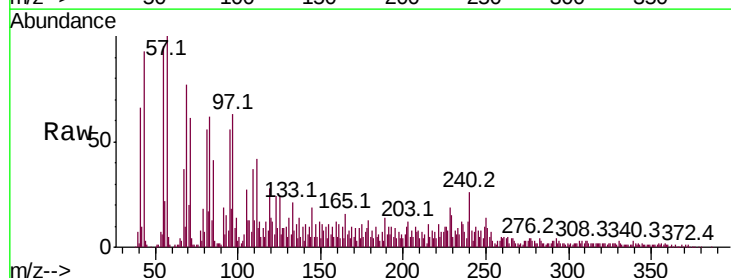
Tgt Ion:228 Resp: 23418

Ion Ratio Lower Upper

228 100

226 51.2 22.6 33.8#

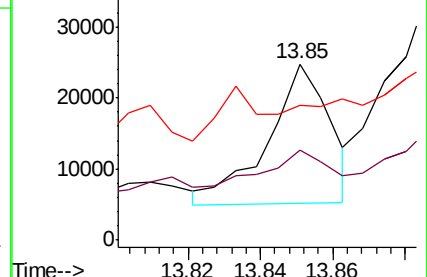
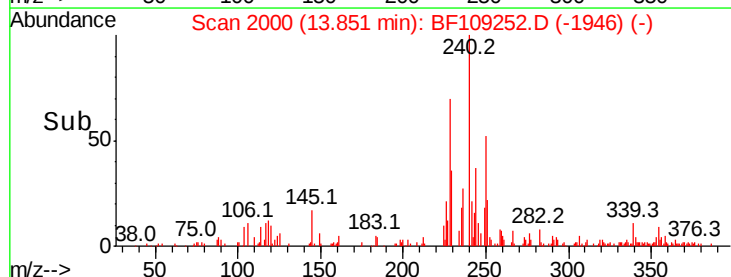
229 76.2 15.8 23.6#

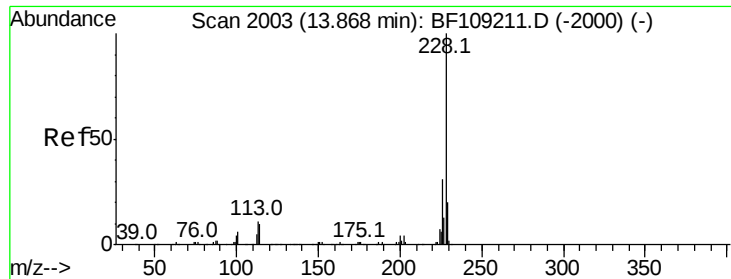


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.745 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Instrument :

BNA_F

ClientSampleId :

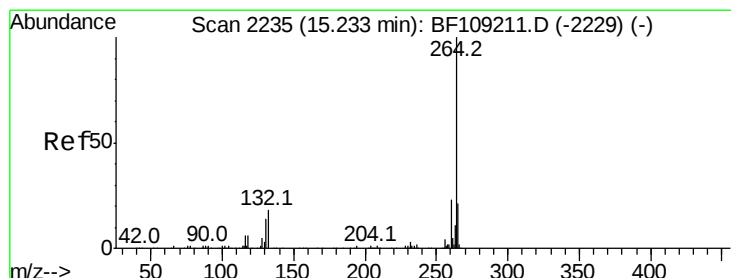
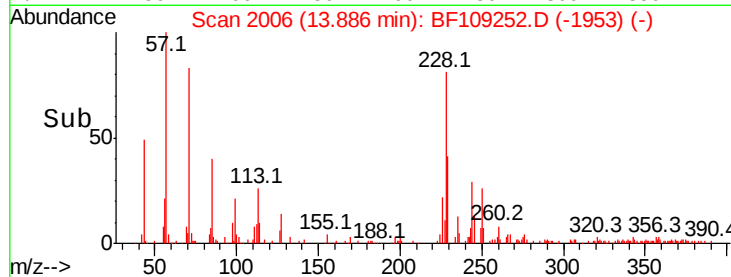
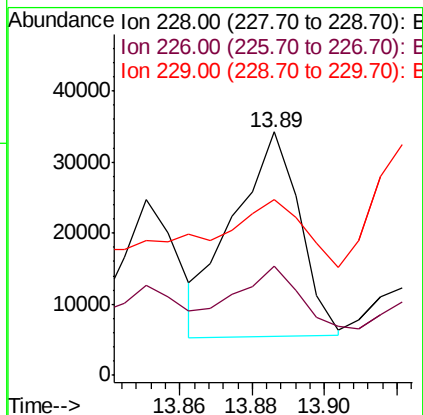
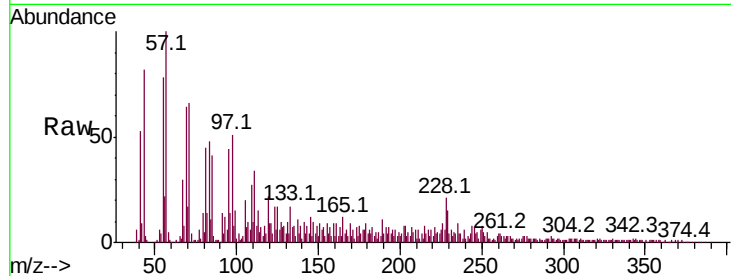
Tot Ion:228 Resp: 36398

Ion Ratio Lower Upper

228 100

226 44.7 25.0 37.6#

229 72.1 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.04 min

Lab File: BF109252.D

Acq: 23 Sep 2018 6:00

Tgt Ion:264 Resp: 151237

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 24.9 17.5 26.3

