

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
 Data File : BF092813.D
 Acq On : 6 Feb 2017 23:16
 Operator : SJ/MA
 Sample : I1707-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Quant Time: Feb 07 01:14:21 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	159264	20.00	ng	-0.06
21) Naphthalene-d8	8.20	136	637785	20.00	ng	-0.06
38) Acenaphthene-d10	9.95	164	343402	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	519474	20.00	ng	-0.05
75) Chrysene-d12	14.08	240	366073	20.00	ng	-0.07
86) Perylene-d12	15.53	264	323681	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1003537	108.10	ng	-0.05
7) Phenol-d6	6.56	99	1285541	107.63	ng	-0.05
23) Nitrobenzene-d5	7.48	82	843813	73.68	ng	-0.06
41) 2,4,6-Tribromophenol	10.75	330	245400	98.80	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1373216	72.45	ng	-0.06
78) Terphenyl-d14	13.02	244	942134	60.47	ng	-0.06

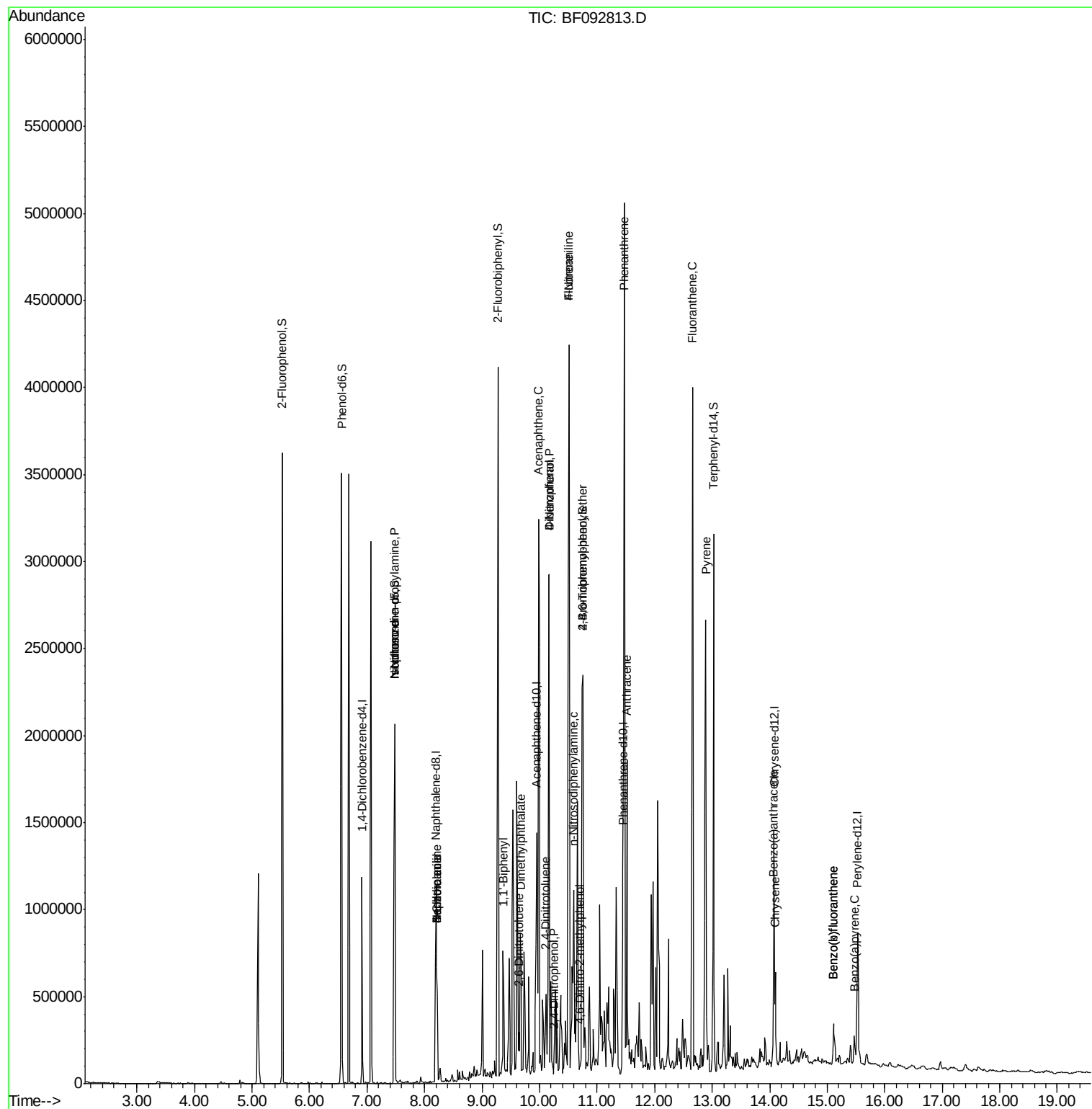
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.48	70	111278	14.64	ng	# 78
25) Isophorone	7.48	82	805798	37.76	ng	# 65
31) Naphthalene	8.21	128	387122	11.97	ng	99
32) Benzoic acid	8.21	122	937	7.31	ng	# 1
33) 4-Chloroaniline	8.21	127	49932	3.94	ng	# 31
45) 1,1'-Biphenyl	9.37	154	307124	12.35	ng	95
49) Dimethylphthalate	9.66	163	394334	17.05	ng	99
50) 2,6-Dinitrotoluene	9.64	165	12144	2.43	ng	# 86
51) Acenaphthene	9.98	154	955298	47.55	ng	96
53) 2,4-Dinitrophenol	10.25	184	595	4.95	ng	# 61
54) Dibenzofuran	10.17	168	1782232	66.32	ng	92
55) 4-Nitrophenol	10.17	139	638992	155.20	ng	# 5
56) 2,4-Dinitrotoluene	10.11	165	20023	3.01	ng	# 43
57) Fluorene	10.51	166	1515202	73.29	ng	97
61) 4-Nitroaniline	10.51	138	17047	2.91	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.69	198	208	2.73	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	125919	7.59	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	18030	3.32	ng	# 1
70) Phenanthrene	11.47	178	3258482	109.49	ng	99
71) Anthracene	11.52	178	685749	22.94	ng	98
74) Fluoranthene	12.66	202	1645958	53.62	ng	98
77) Pyrene	12.89	202	1269230	46.33	ng	98
80) Benzo(a)anthracene	14.06	228	285644	12.76	ng	99
82) Chrysene	14.10	228	183361	8.75	ng	98
87) Benzo(b)fluoranthene	15.11	252	177649	8.34	ng	97
88) Benzo(k)fluoranthene	15.11	252	177649	9.66	ng	# 96
89) Benzo(a)pyrene	15.47	252	86903	4.72	ng	97

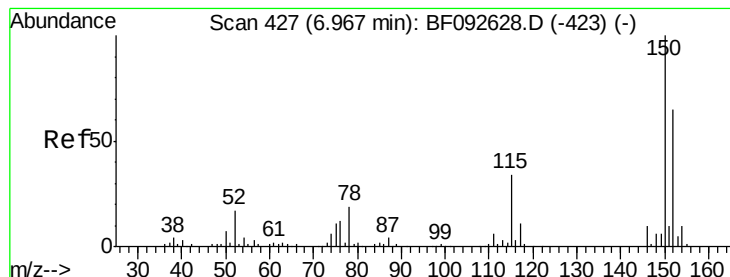
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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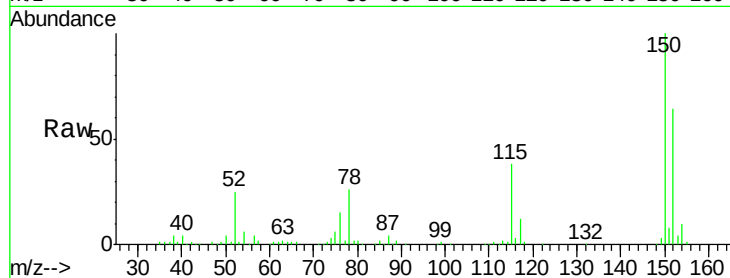


#1

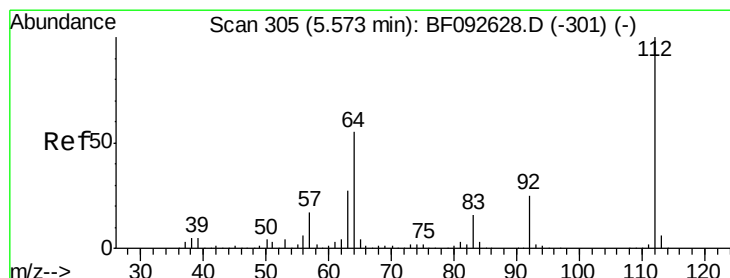
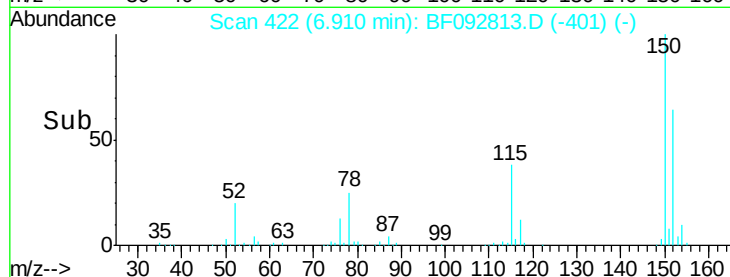
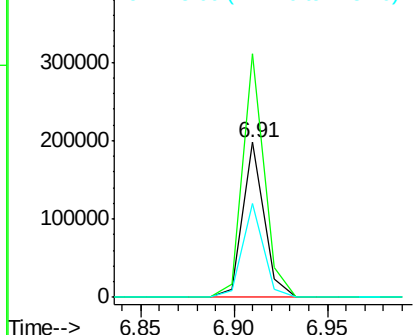
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampled :
S-2B

Tgt Ion:152 Resp: 159264
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 60.4 46.0 69.0



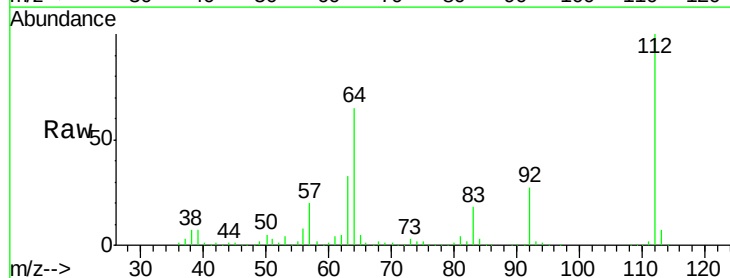
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



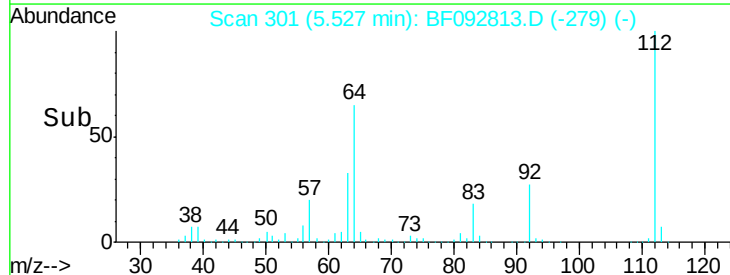
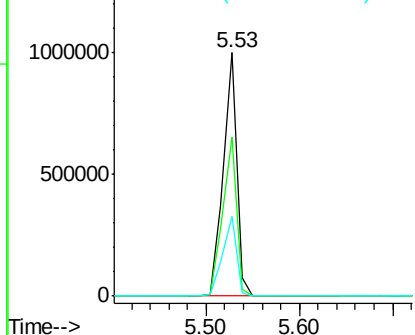
#5

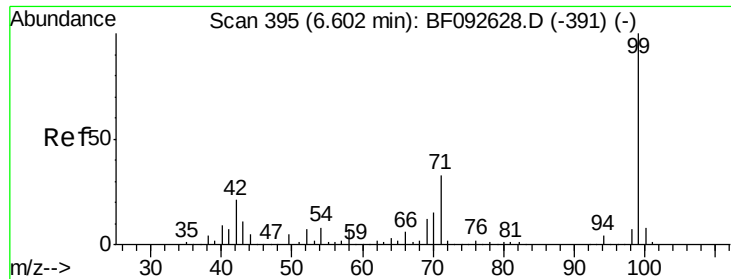
2-Fluorophenol
Concen: 108.10 ng
RT: 5.53 min Scan# 301
Delta R.T. -0.05 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:112 Resp: 1003537
Ion Ratio Lower Upper
112 100
64 65.3 46.1 69.1
63 32.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.63 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

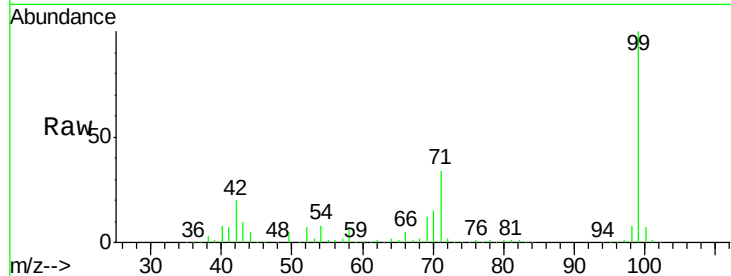
Tgt Ion: 99 Resp: 1285541

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

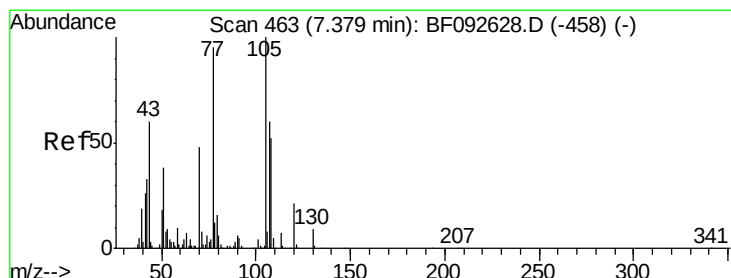
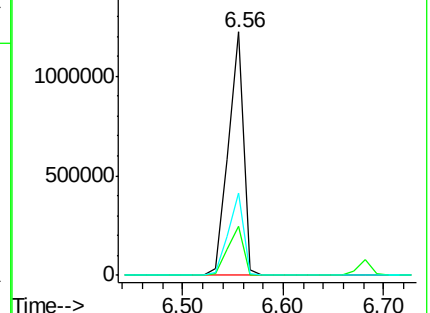
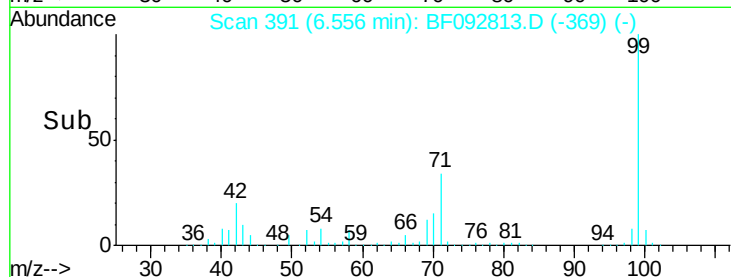
71 33.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.64 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.10 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Tgt Ion: 70 Resp: 111278

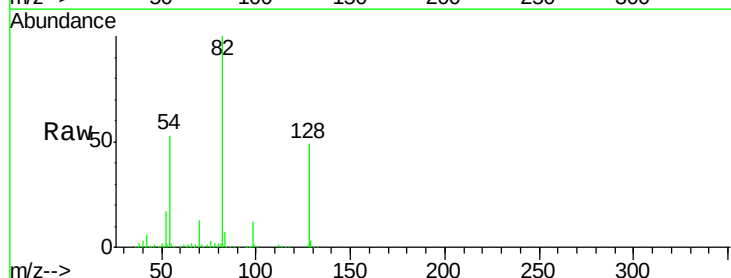
Ion Ratio Lower Upper

70 100

42 47.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

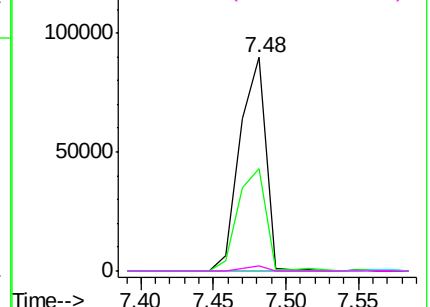
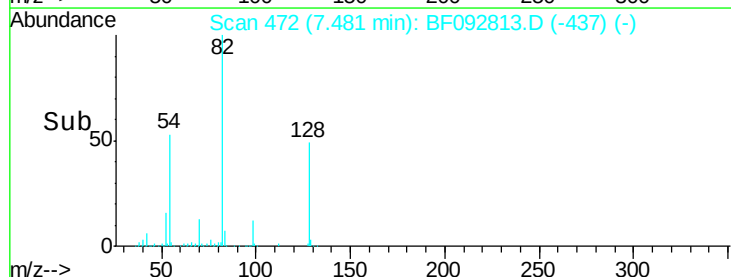


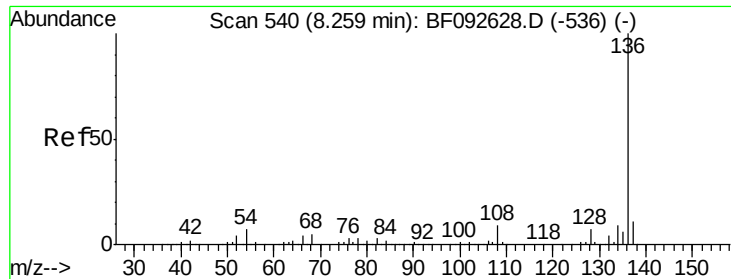
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

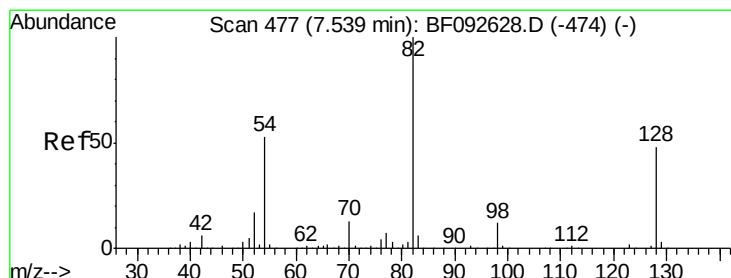
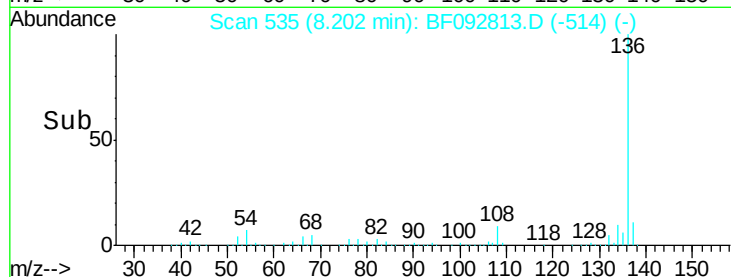
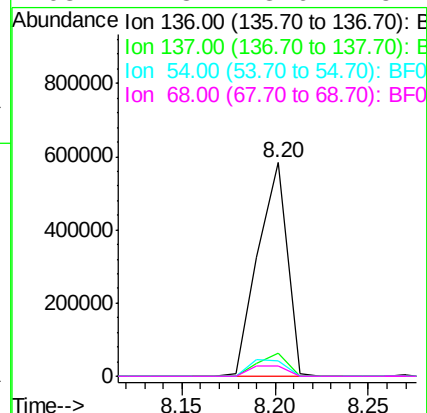
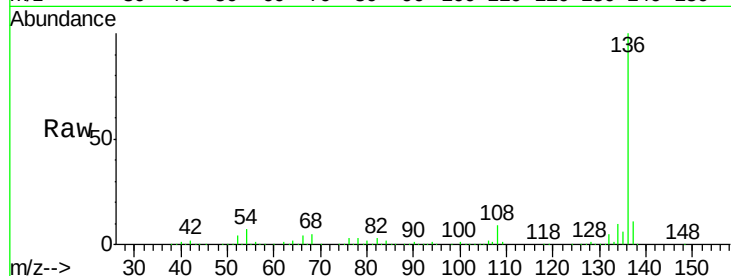




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

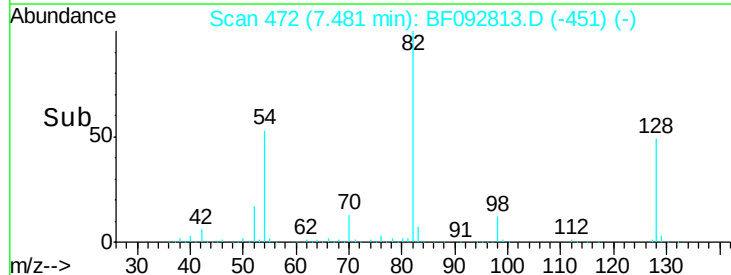
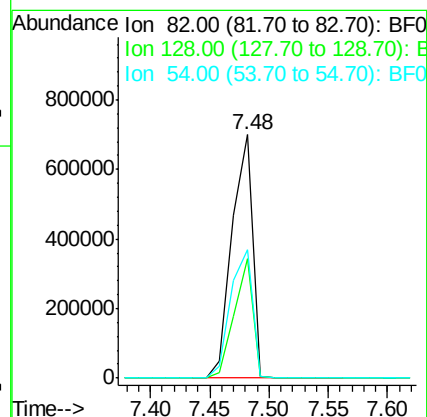
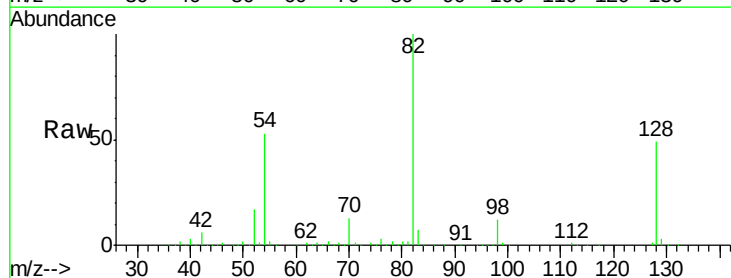
Instrument :
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S-2B

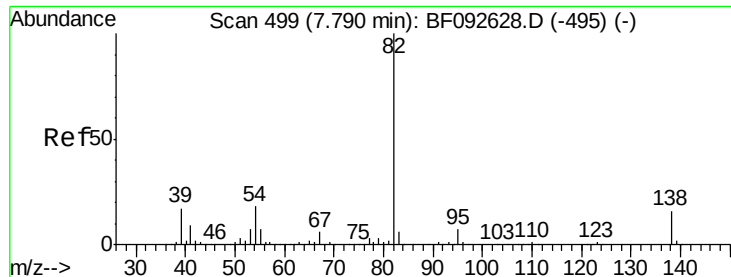
Tgt Ion:	136	Resp:	637785
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.3	4.5	6.7#
68	4.8	3.6	5.4



#23
Nitrobenzene-d5
Concen: 73.68 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:	82	Resp:	843813
Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.6	52.0
54	52.9	39.5	59.3





#25

Isophorone

Concen: 37.76 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.31 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

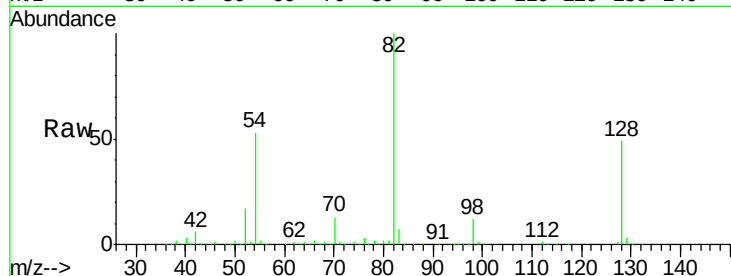
Tgt Ion: 82 Resp: 805798

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

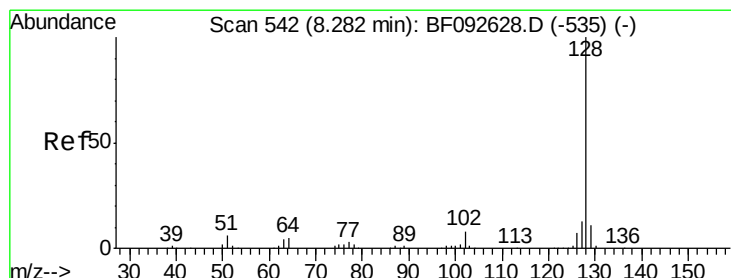
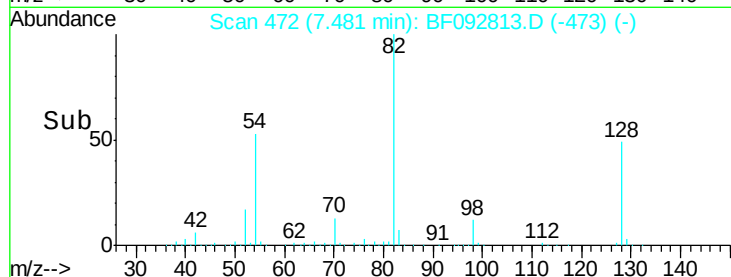
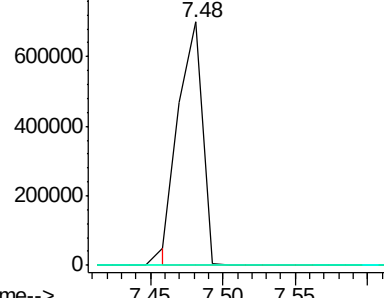
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 11.97 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.07 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

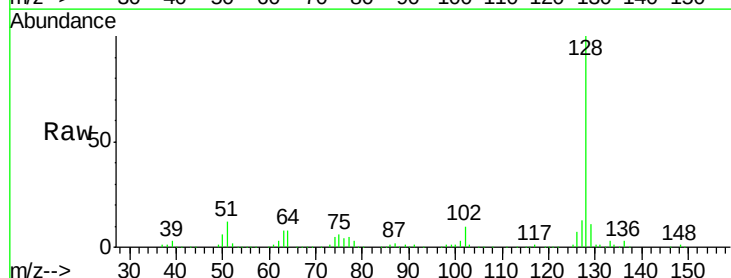
Tgt Ion: 128 Resp: 387122

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

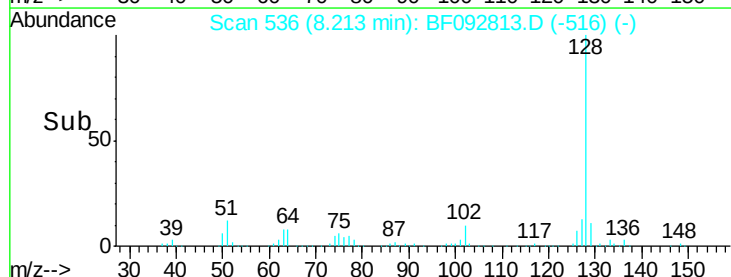
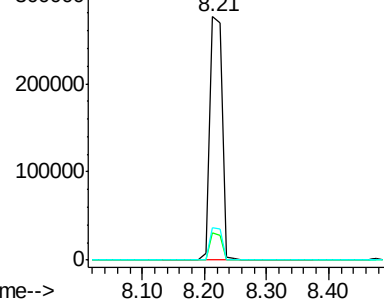
127 13.2 10.8 16.2

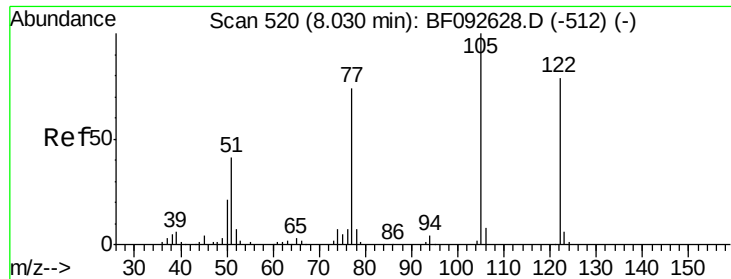


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

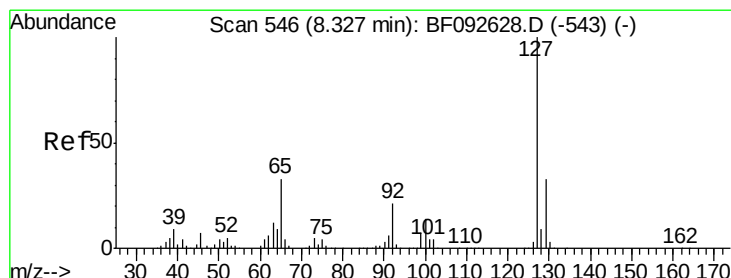
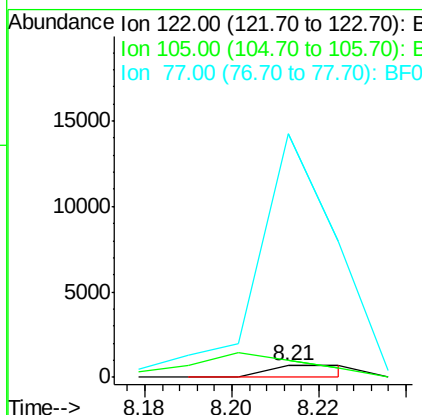
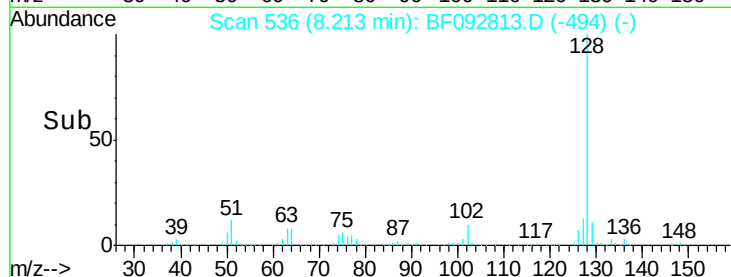
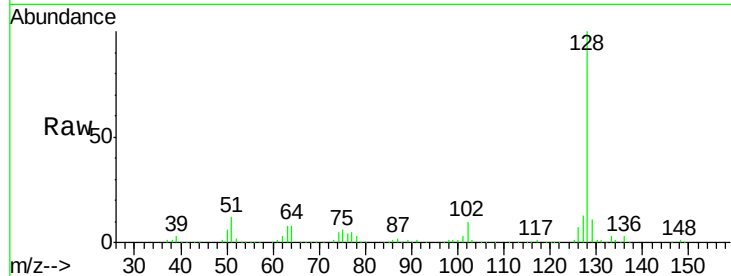




#32
Benzoic acid
Concen: 7.31 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.18 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

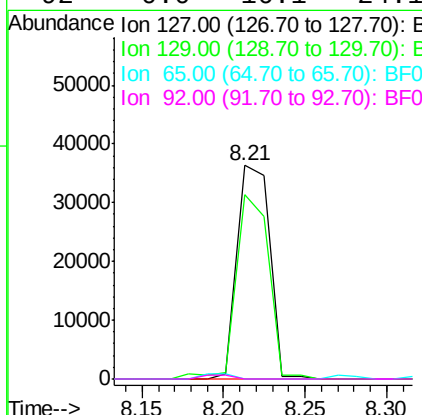
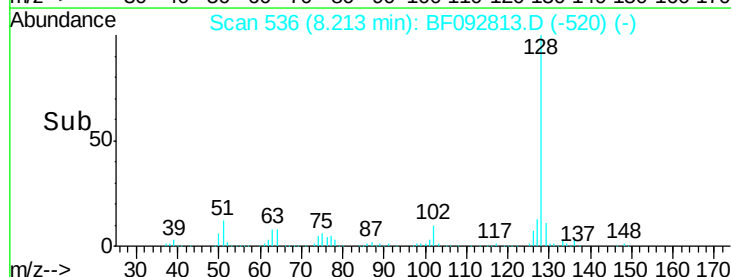
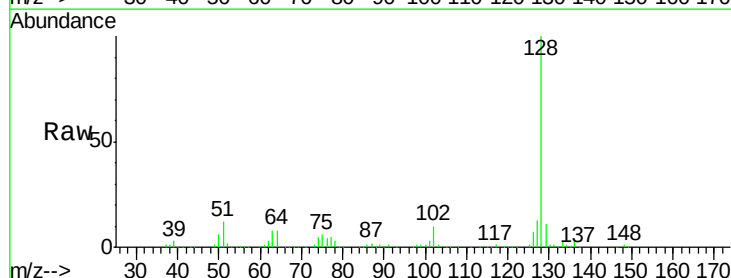
Instrument :
BNA_F
ClientSampleId :
S-2B

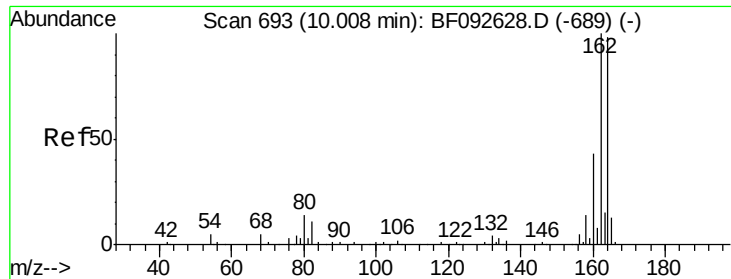
Tgt Ion:122 Resp: 937
Ion Ratio Lower Upper
122 100
105 141.5 107.2 147.2
77 2077.0 74.5 114.5#



#33
4-Chloroaniline
Concen: 3.94 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.11 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:127 Resp: 49932
Ion Ratio Lower Upper
127 100
129 86.3 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

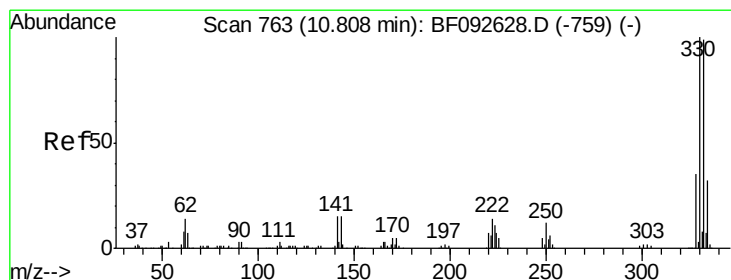
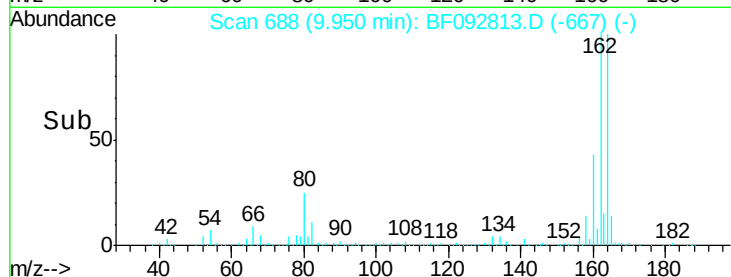
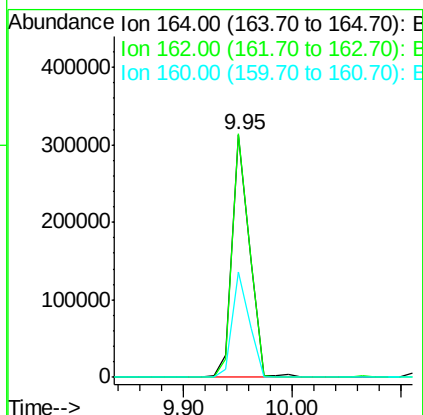
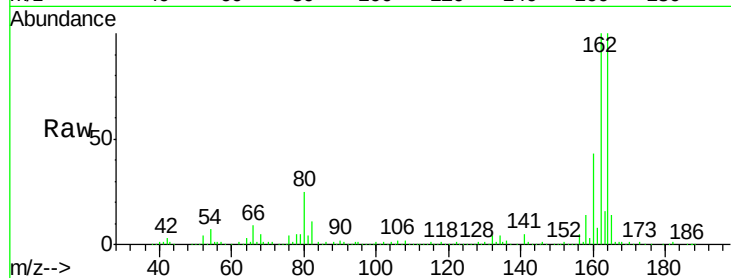




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

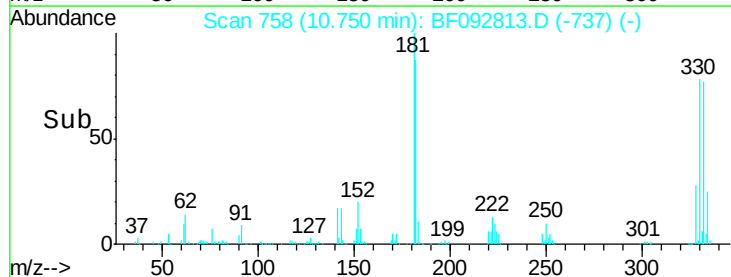
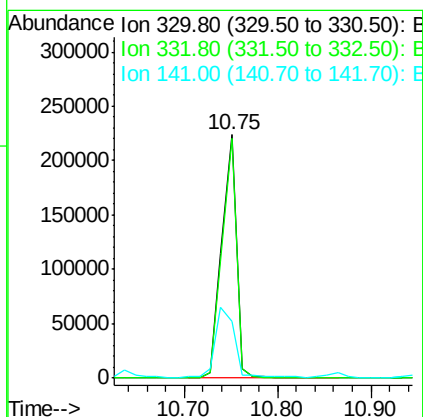
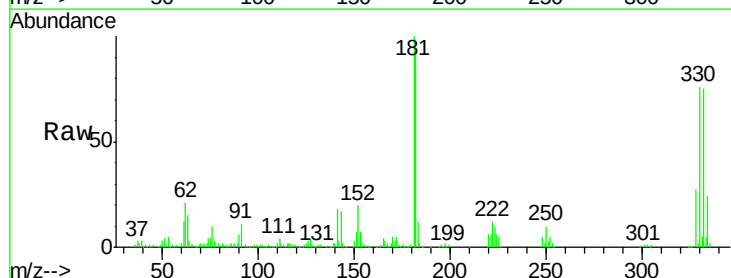
Instrument :
BNA_F
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S-2B

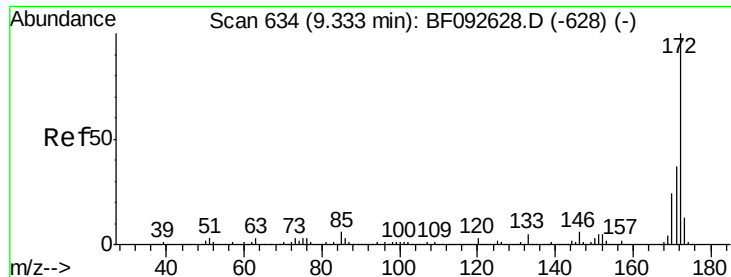
Tgt Ion:164 Resp: 343402
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 43.6 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 98.80 ng
RT: 10.75 min Scan# 758
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:330 Resp: 245400
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.2
141 36.3 34.1 51.1

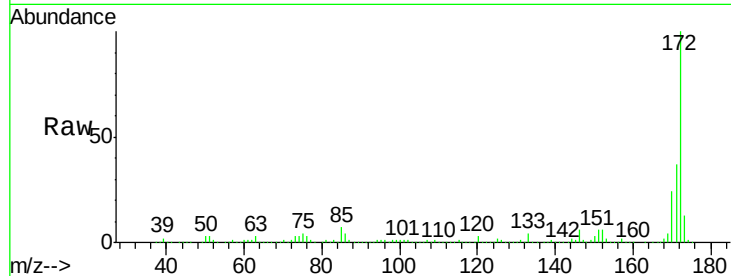




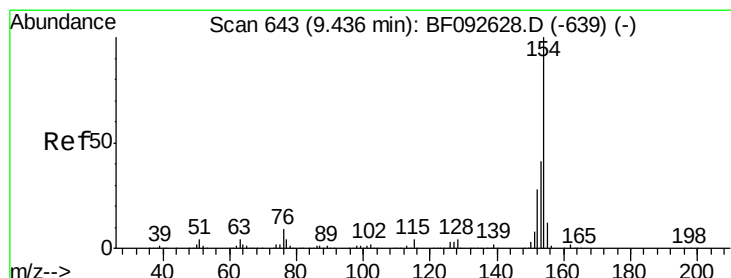
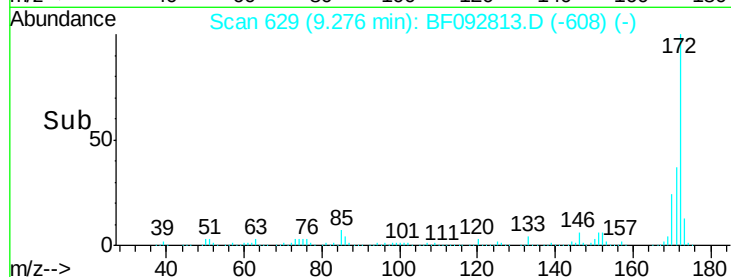
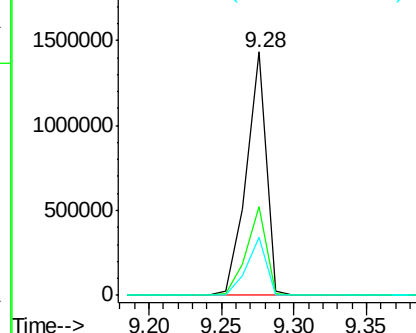
#44
2-Fluorobiphenyl
Concen: 72.45 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.06 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

Tgt Ion:172 Resp: 1373216
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.0 20.2 30.4

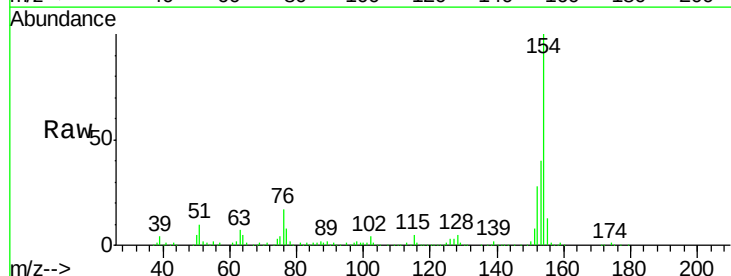


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

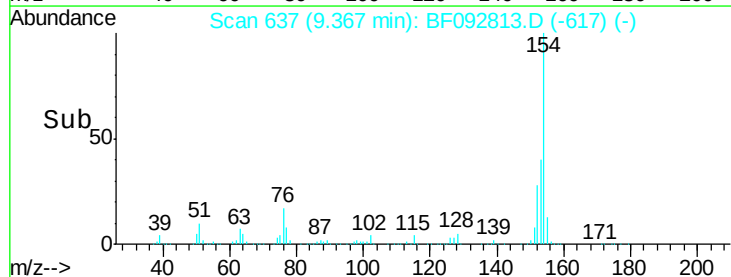
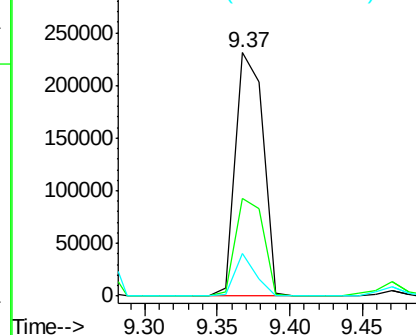


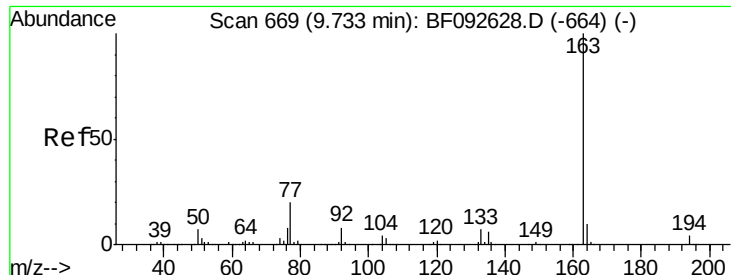
#45
1,1'-Biphenyl
Concen: 12.35 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.07 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:154 Resp: 307124
Ion Ratio Lower Upper
154 100
153 40.1 20.9 60.9
76 17.4 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

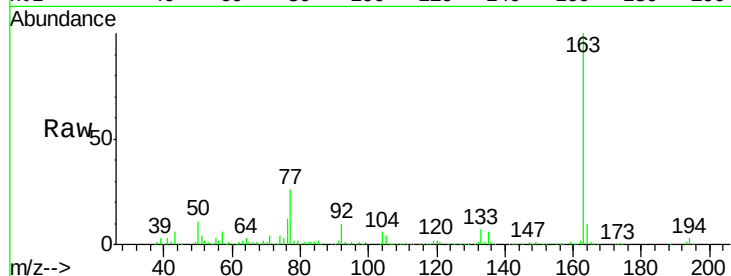




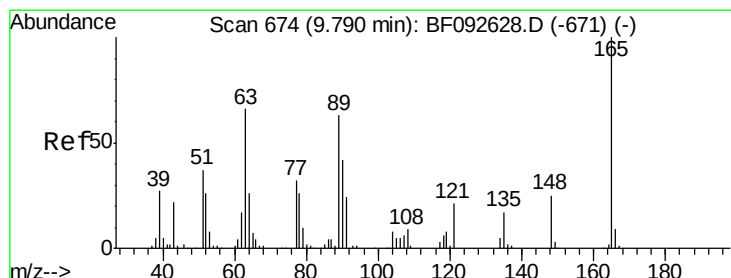
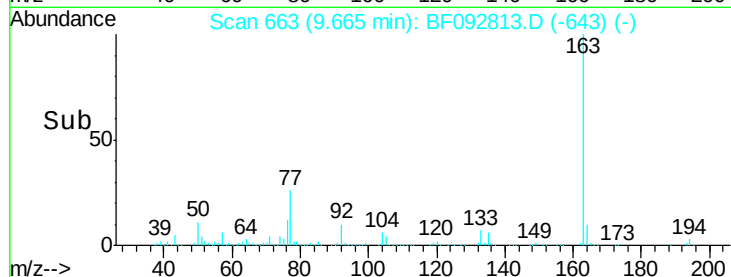
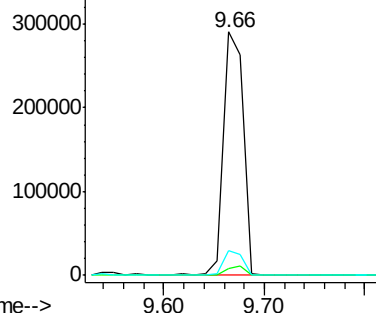
#49
Dimethylphthalate
Concen: 17.05 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

Tgt Ion:163 Resp: 394334
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 10.3 8.0 12.0

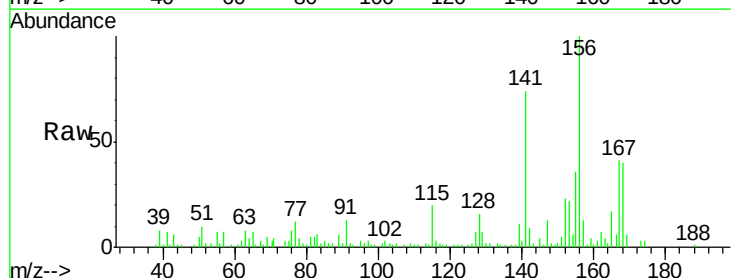


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

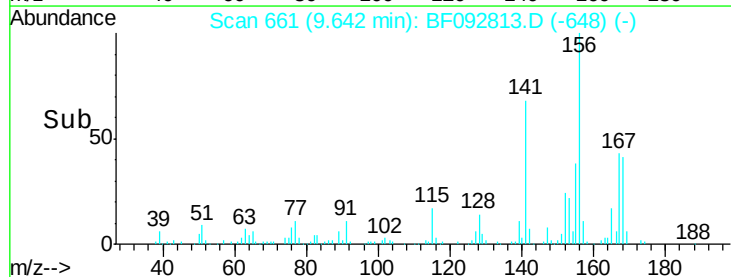
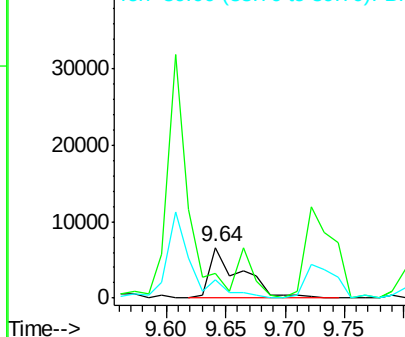


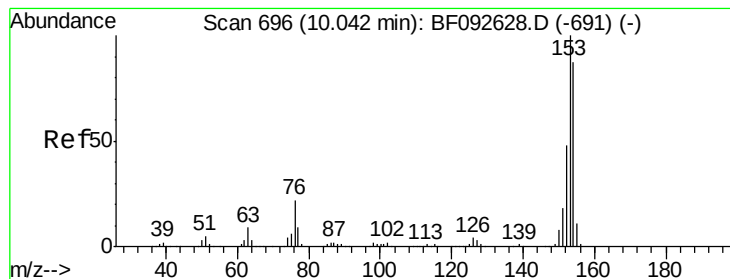
#50
2,6-Dinitrotoluene
Concen: 2.43 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.15 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:165 Resp: 12144
Ion Ratio Lower Upper
165 100
63 48.8 36.2 54.4
89 35.0 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.55 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampled :

S-2B

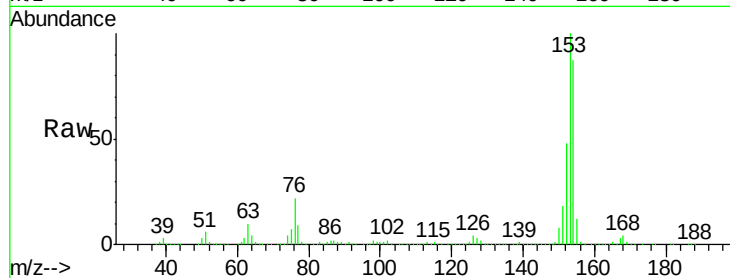
Tgt Ion:154 Resp: 955298

Ion Ratio Lower Upper

154 100

153 114.6 88.6 133.0

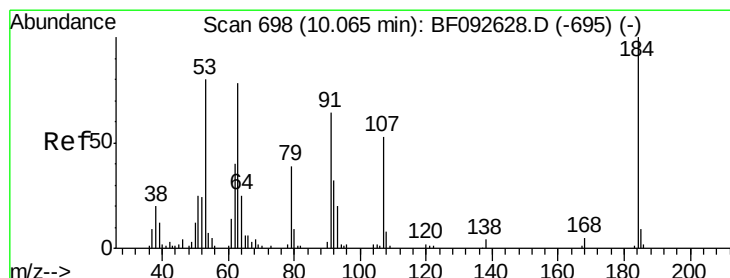
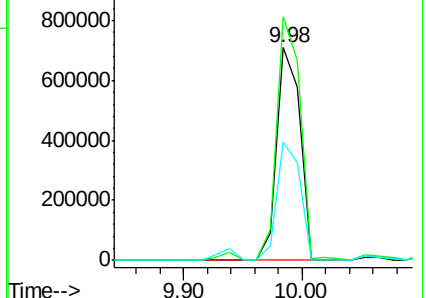
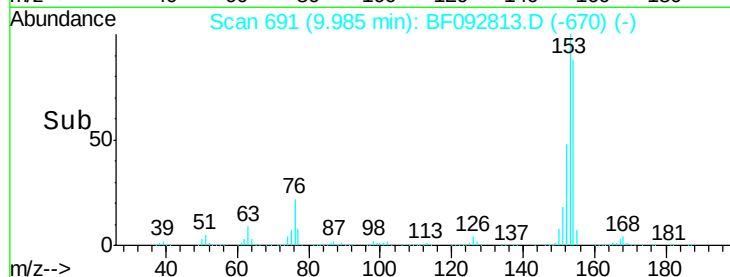
152 55.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.95 ng

RT: 10.25 min Scan# 714

Delta R.T. 0.18 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

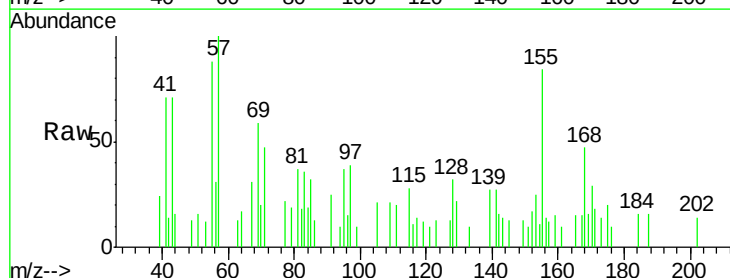
Tgt Ion:184 Resp: 595

Ion Ratio Lower Upper

184 100

63 79.9 28.4 42.6#

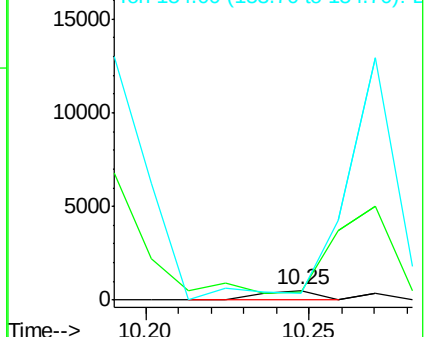
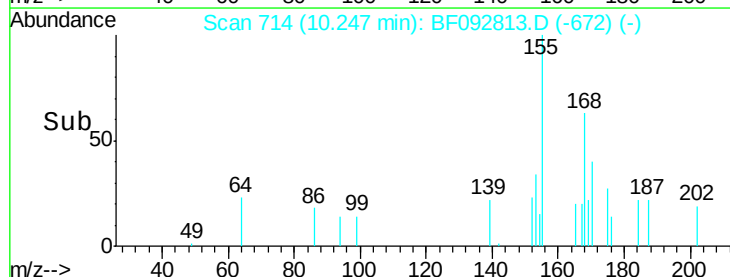
154 67.0 44.3 66.5#

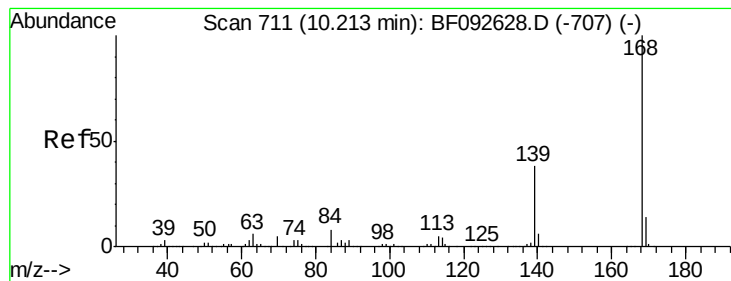


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 66.32 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.05 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

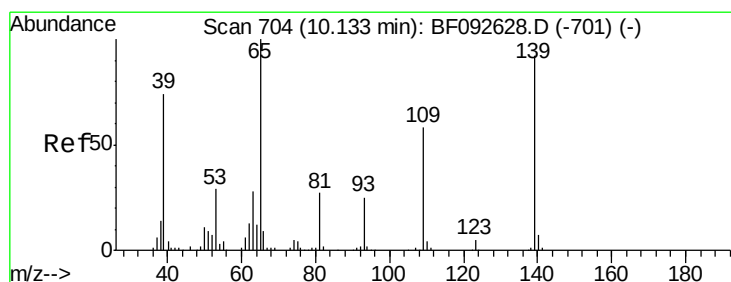
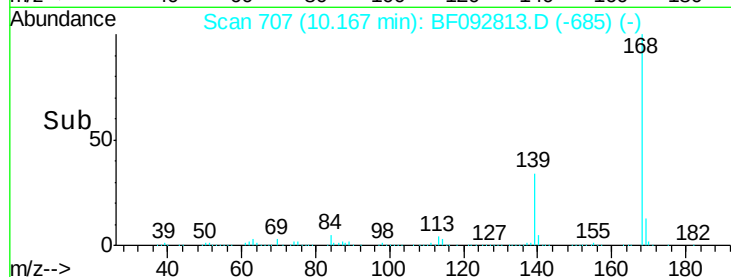
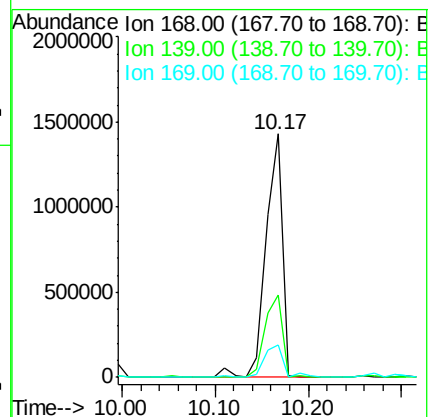
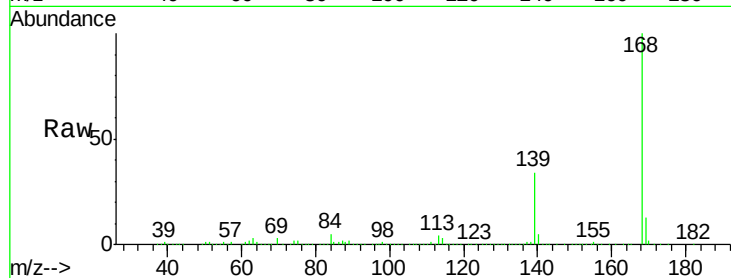
Tgt Ion:168 Resp: 1782232

Ion Ratio Lower Upper

168 100

139 34.0 32.6 49.0

169 13.5 11.3 16.9



#55

4-Nitrophenol

Concen: 155.20 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.03 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

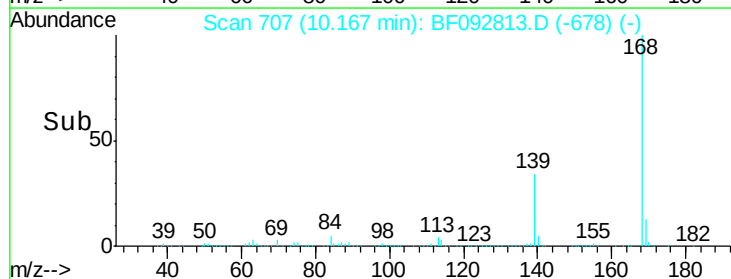
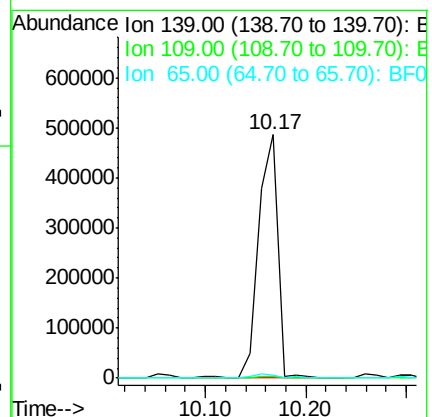
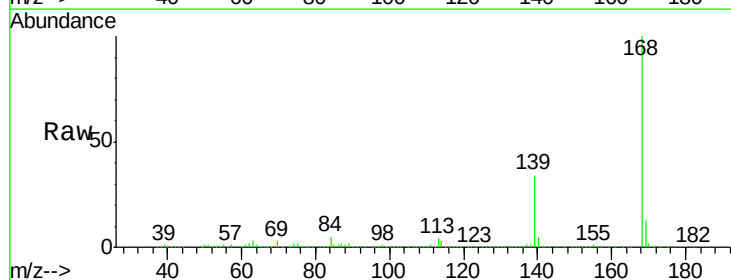
Tgt Ion:139 Resp: 638992

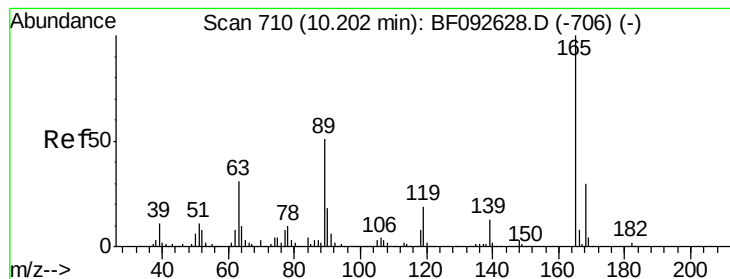
Ion Ratio Lower Upper

139 100

109 0.8 52.2 92.2#

65 1.1 85.8 125.8#





#56

2,4-Dinitrotoluene

Concen: 3.01 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.09 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

Tgt Ion:165 Resp: 20023

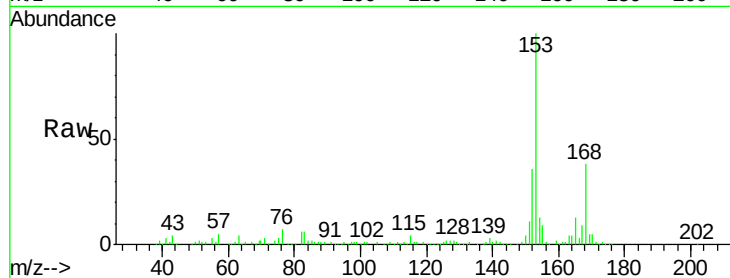
Ion Ratio Lower Upper

165 100

63 32.9 40.2 60.4#

89 9.6 62.5 93.7#

182 0.0 1.8 2.8#

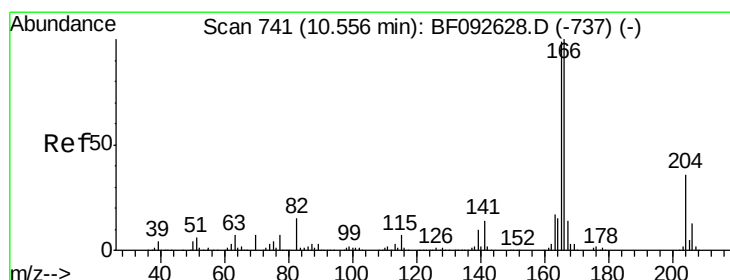
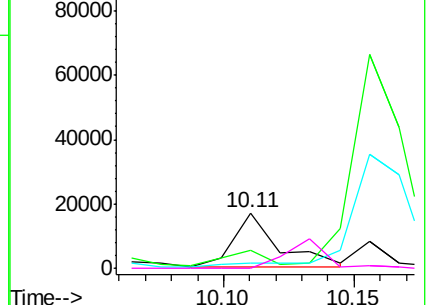
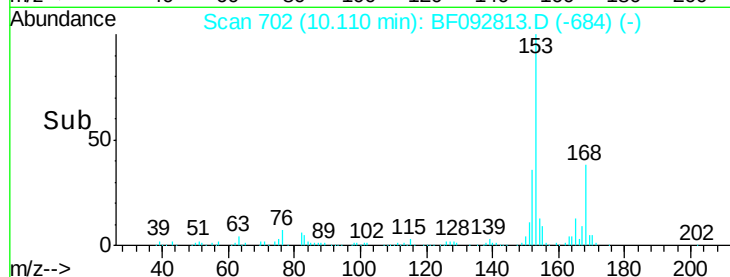


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 73.29 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

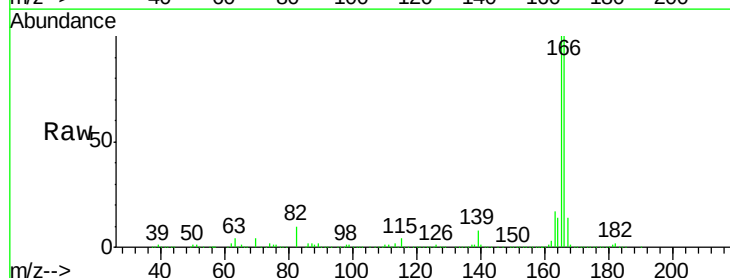
Tgt Ion:166 Resp: 1515202

Ion Ratio Lower Upper

166 100

165 100.1 77.8 116.8

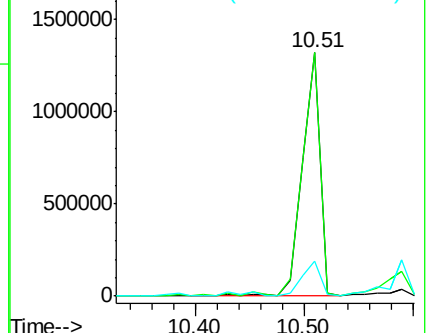
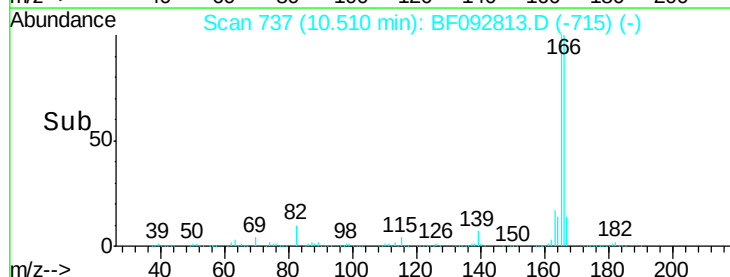
167 14.4 10.8 16.2

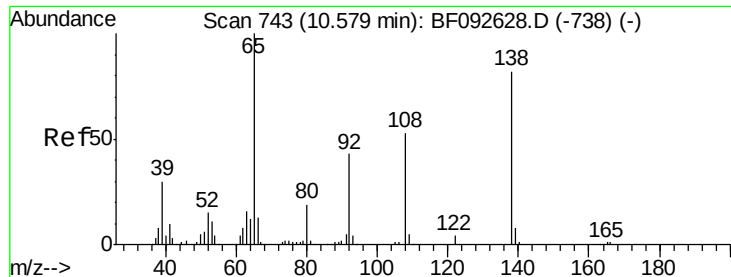


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

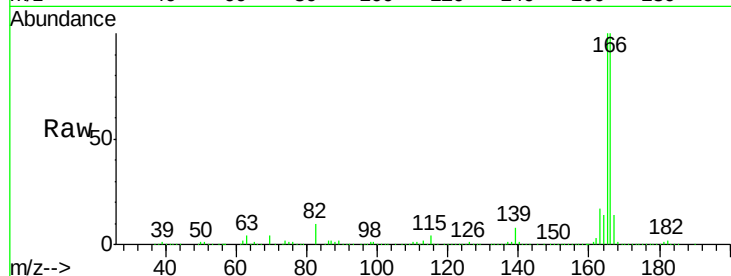




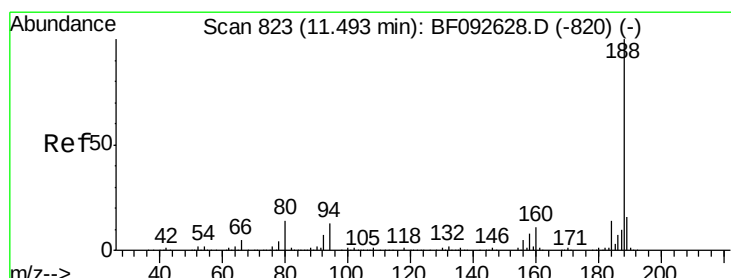
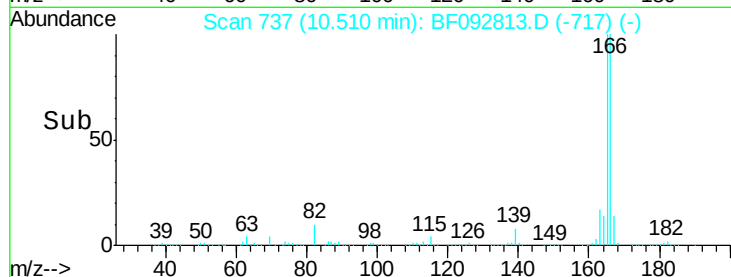
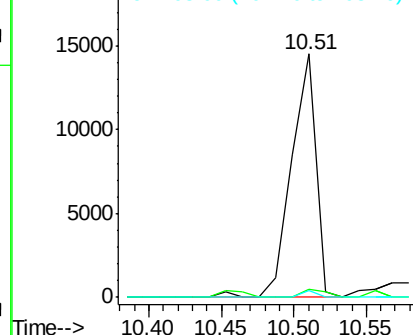
#61
4-Nitroaniline
Concen: 2.91 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.07 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

Tgt Ion:138 Resp: 17047
Ion Ratio Lower Upper
138 100
92 3.4 31.7 71.7#
108 3.0 52.6 92.6#

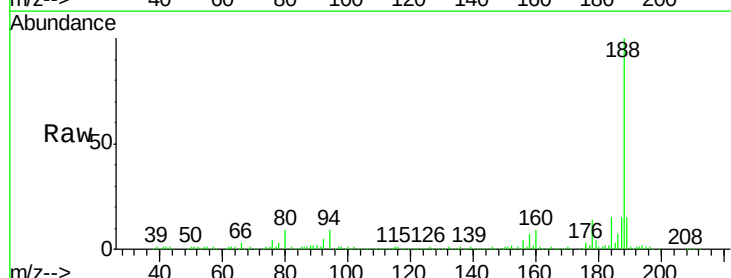


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

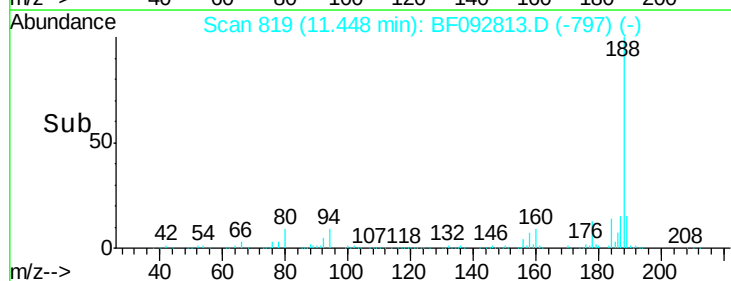
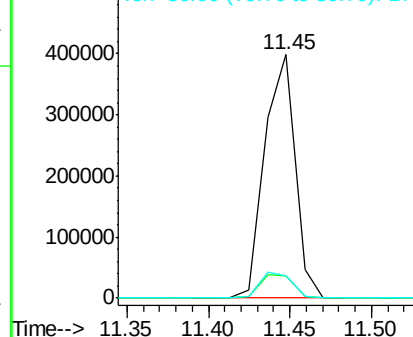


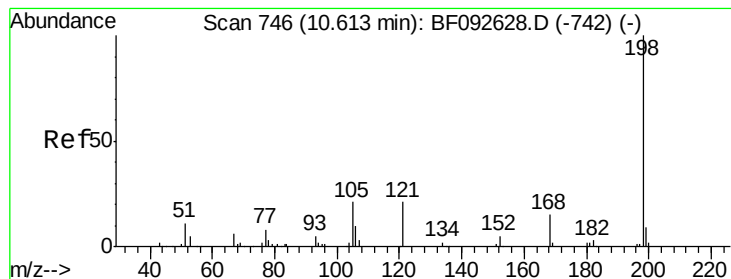
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.05 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:188 Resp: 519474
Ion Ratio Lower Upper
188 100
94 9.0 10.0 15.0#
80 8.9 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.73 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.08 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampled :

S-2B

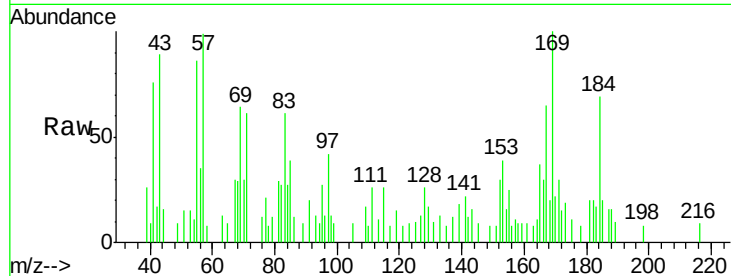
Tgt Ion:198 Resp: 208

Ion Ratio Lower Upper

198 100

51 202.0 6.7 46.7#

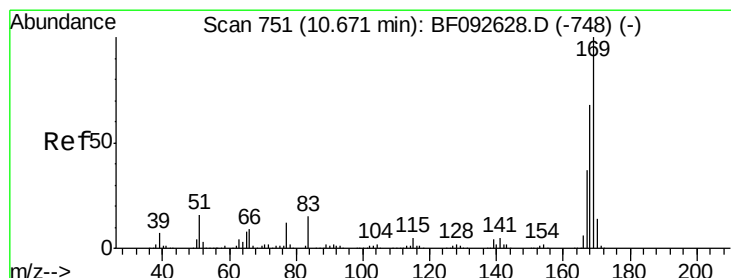
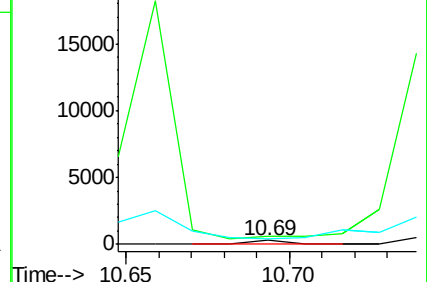
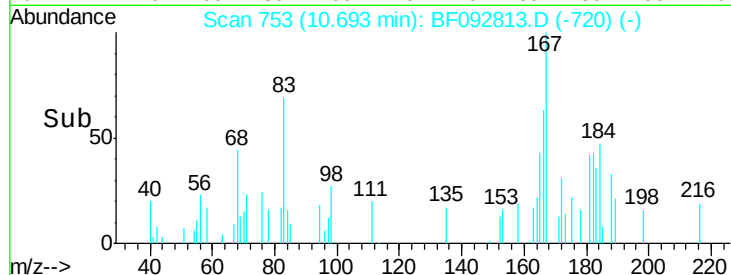
105 121.8 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 7.59 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.08 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

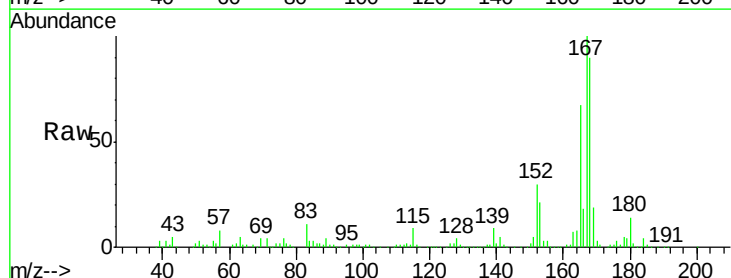
Tgt Ion:169 Resp: 125919

Ion Ratio Lower Upper

169 100

168 477.3 54.2 81.2#

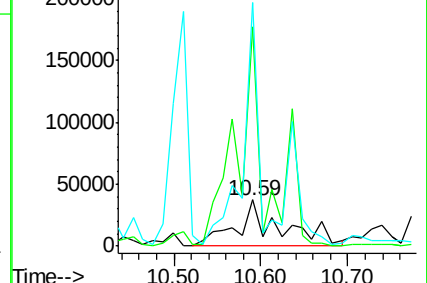
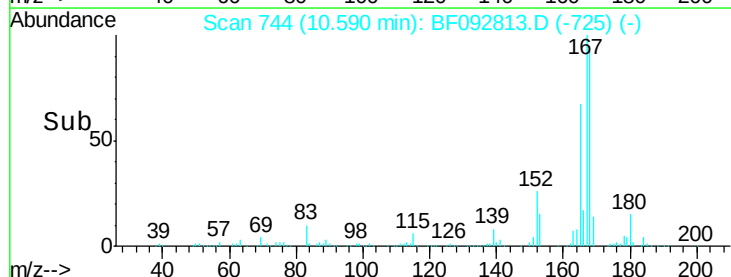
167 529.4 30.2 45.4#

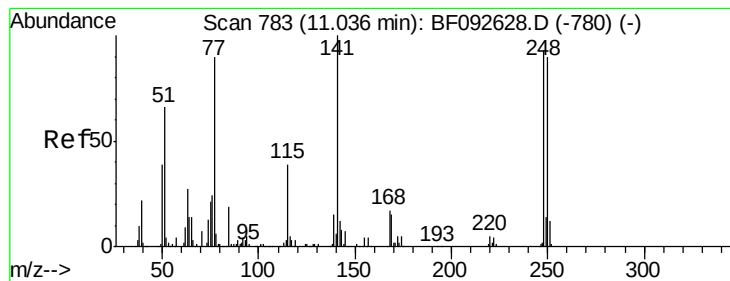


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.32 ng

RT: 10.75 min Scan# 758

Delta R.T. -0.29 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

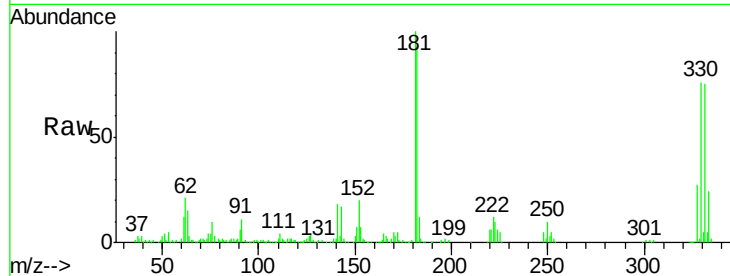
Tgt Ion:248 Resp: 18030

Ion Ratio Lower Upper

248 100

250 192.2 76.9 115.3#

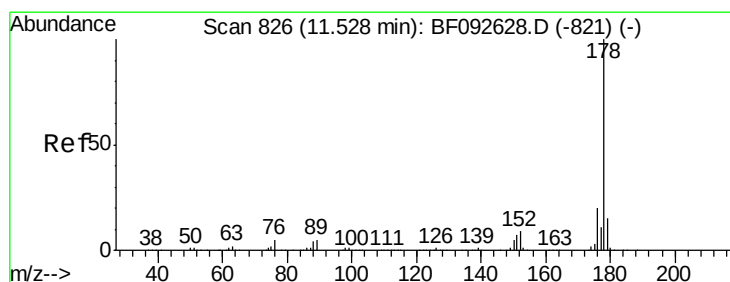
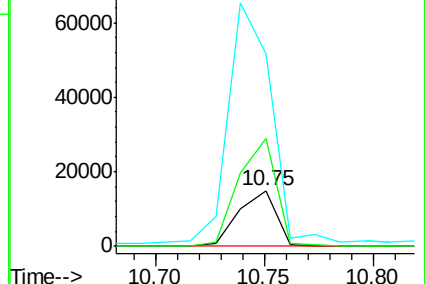
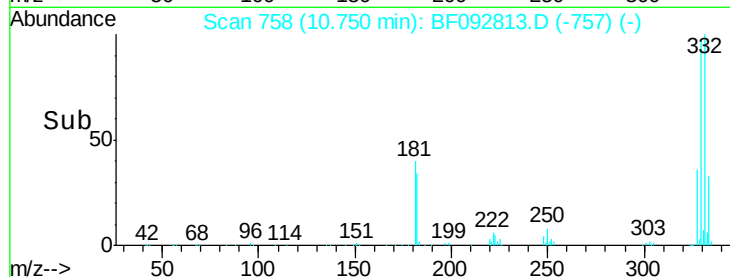
141 344.0 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 109.49 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

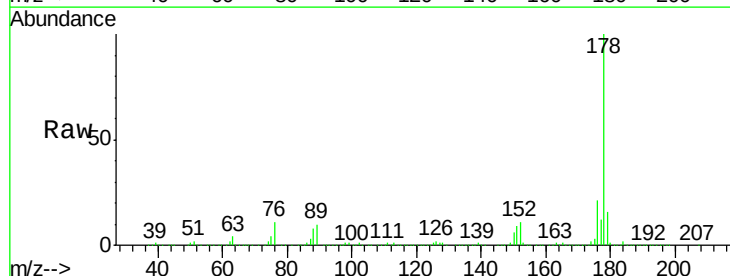
Tgt Ion:178 Resp: 3258482

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

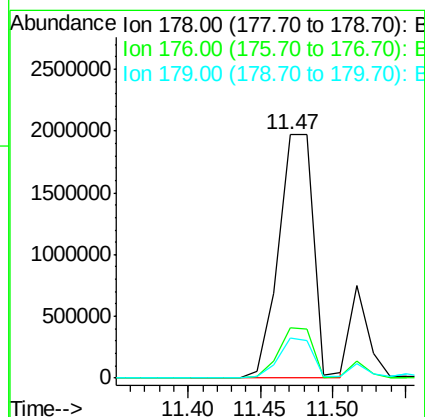
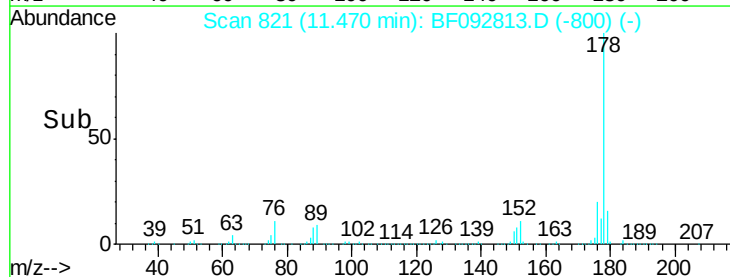
179 16.4 12.8 19.2

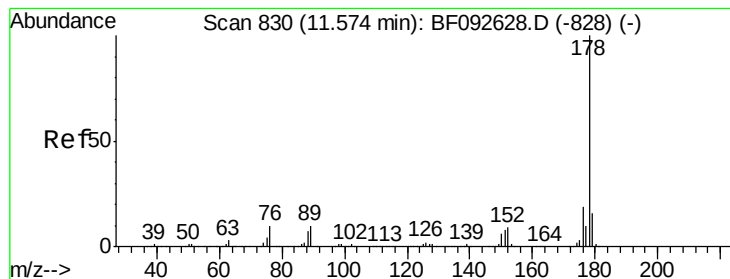


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 22.94 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

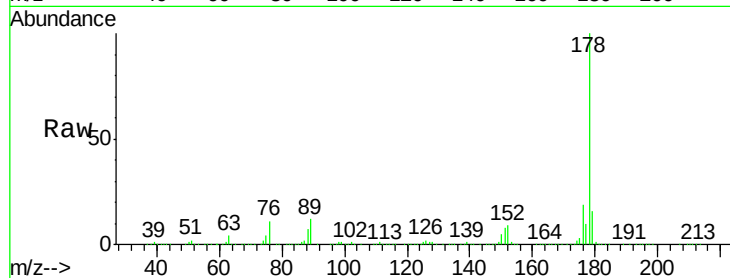
Tgt Ion:178 Resp: 685749

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

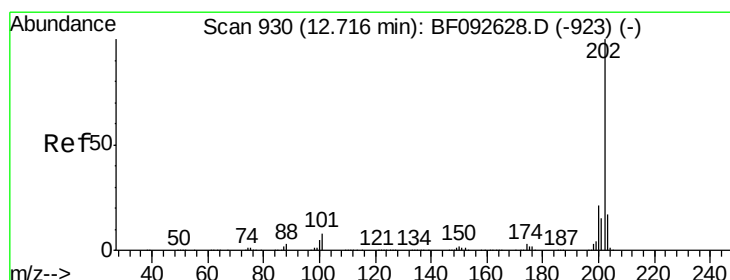
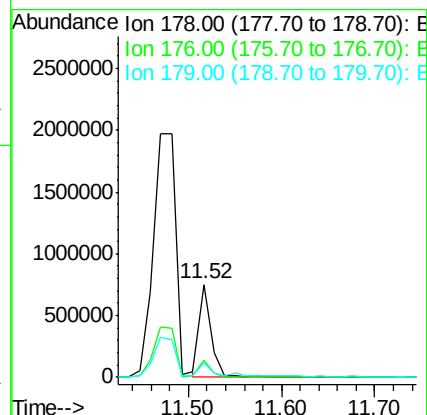
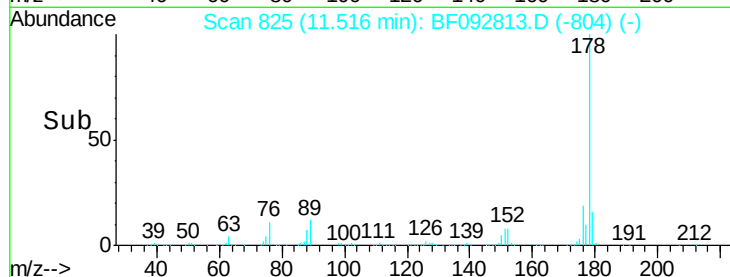
179 15.9 13.2 19.8



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: 53.62 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

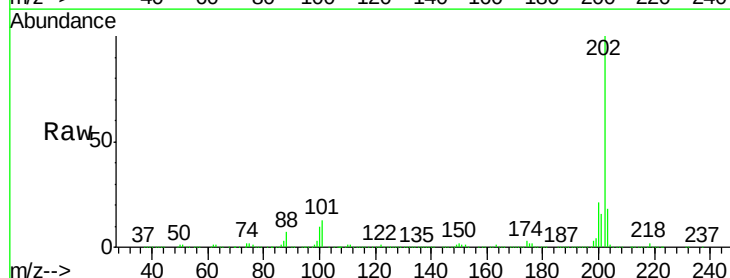
Tgt Ion:202 Resp: 1645958

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.6

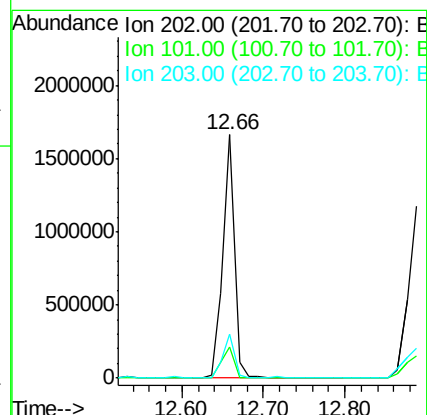
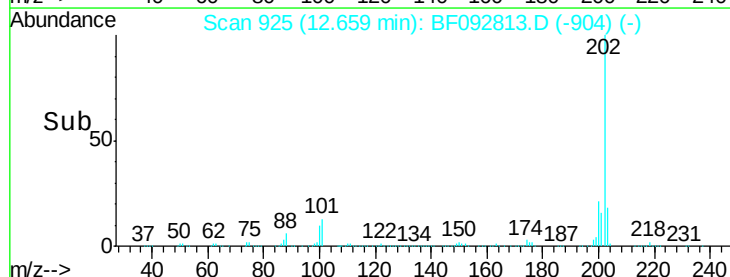
203 18.3 0.0 38.7

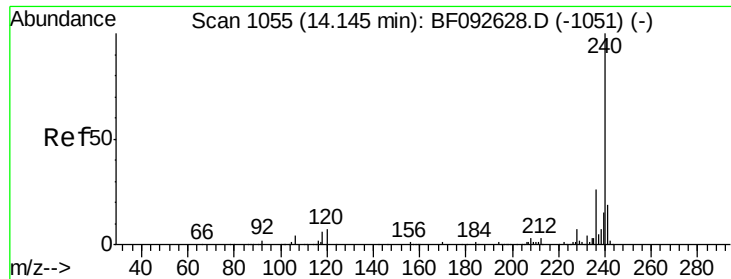


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.07 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

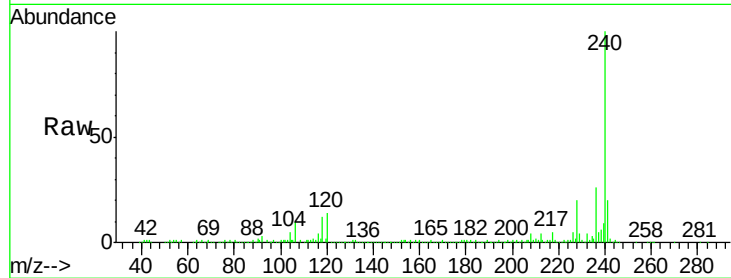
Tgt Ion:240 Resp: 366073

Ion Ratio Lower Upper

240 100

120 13.9 12.9 19.3

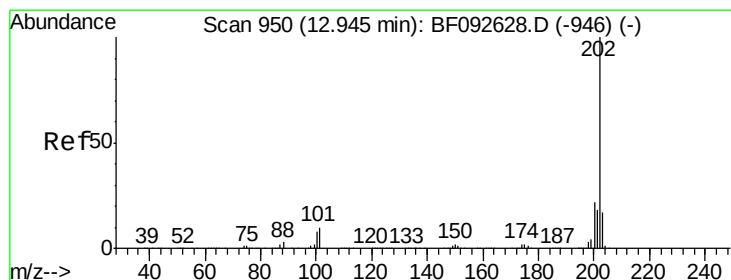
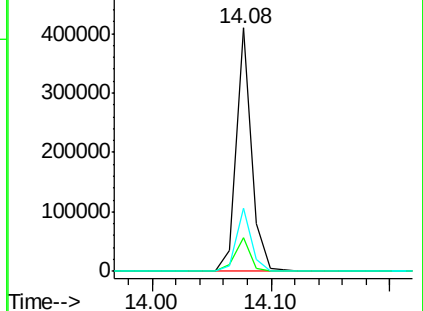
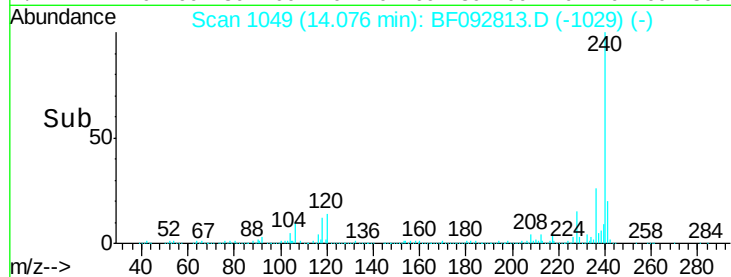
236 25.9 20.9 31.3



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: 46.33 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

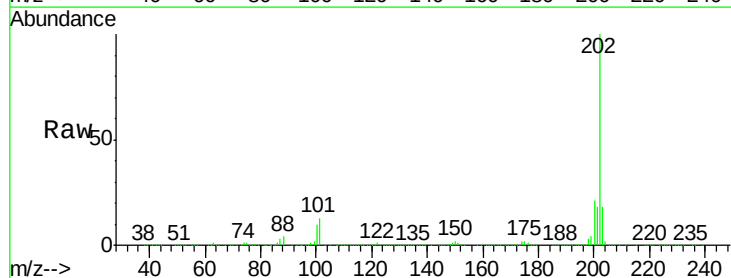
Tgt Ion:202 Resp: 1269230

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

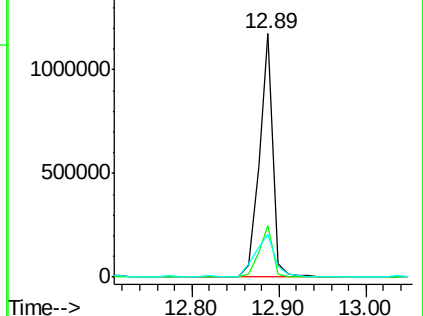
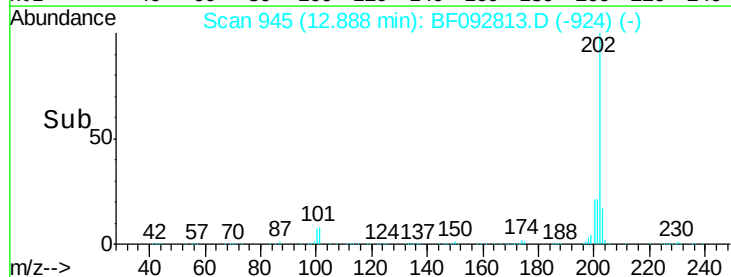
203 17.6 14.7 22.1

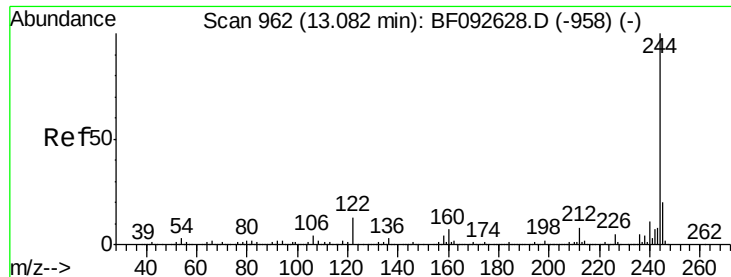


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.47 ng

RT: 13.02 min Scan# 957

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

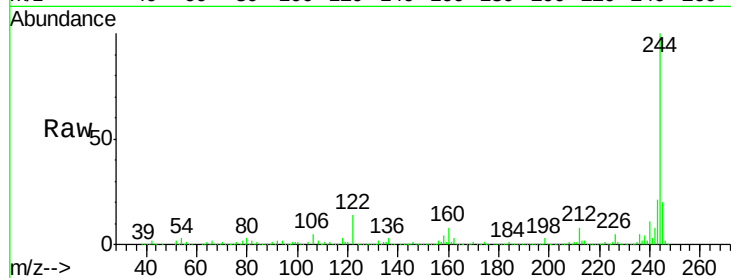
Tgt Ion:244 Resp: 942134

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

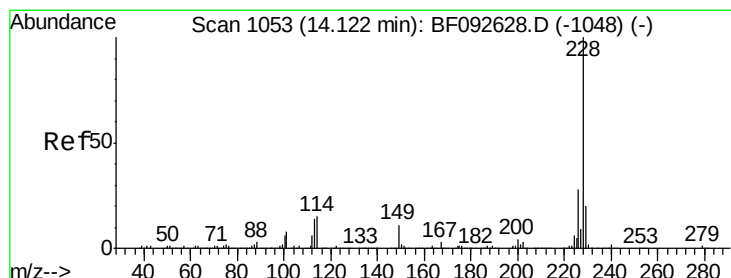
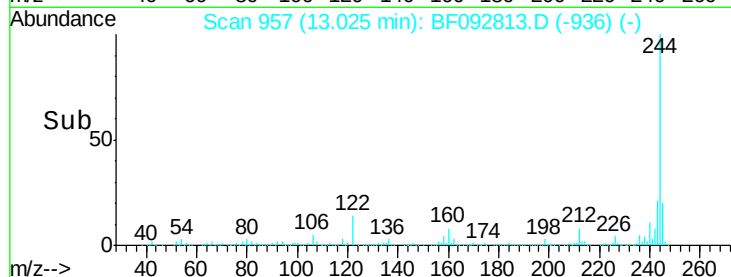
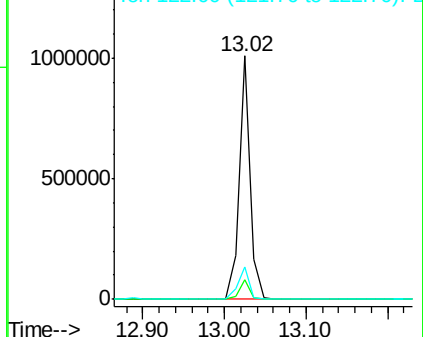
122 13.6 11.4 17.2



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: 12.76 ng

RT: 14.06 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

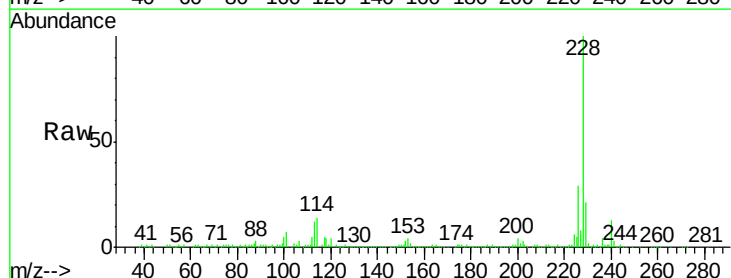
Tgt Ion:228 Resp: 285644

Ion Ratio Lower Upper

228 100

226 28.6 22.4 33.6

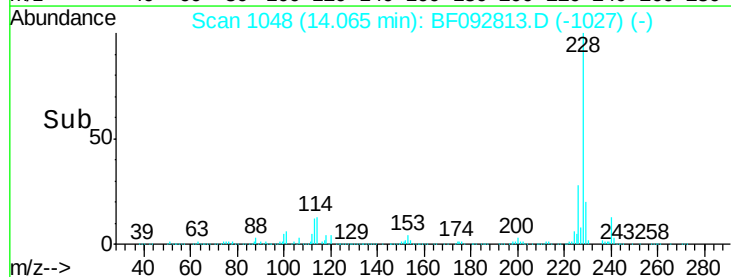
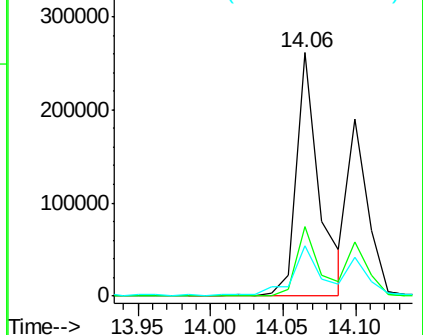
229 20.6 16.2 24.4

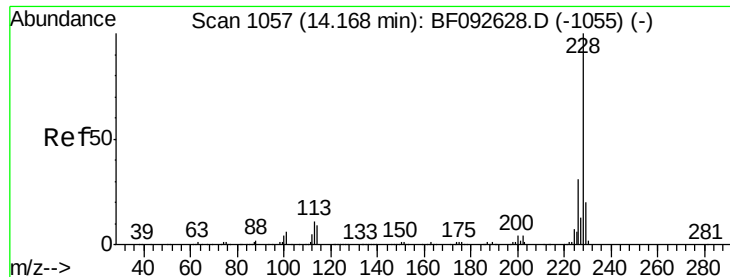


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.75 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

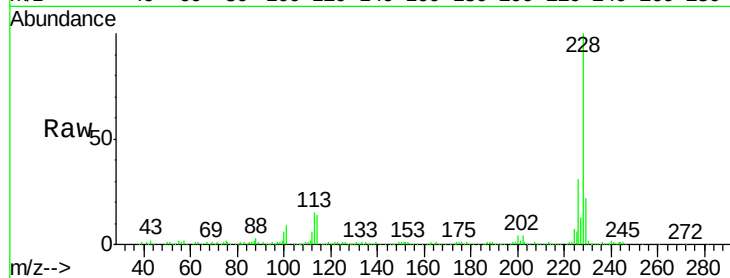
Tgt Ion:228 Resp: 183361

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

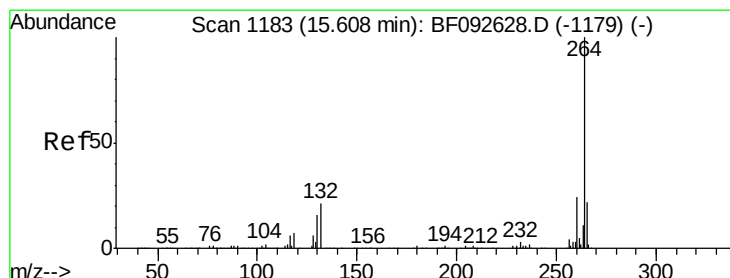
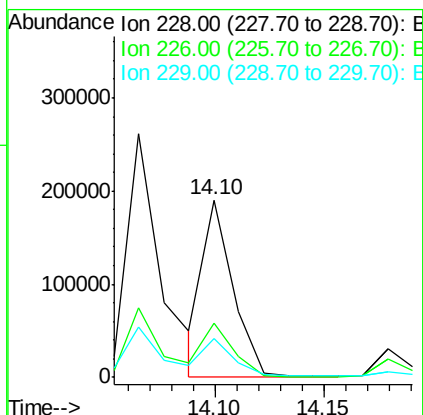
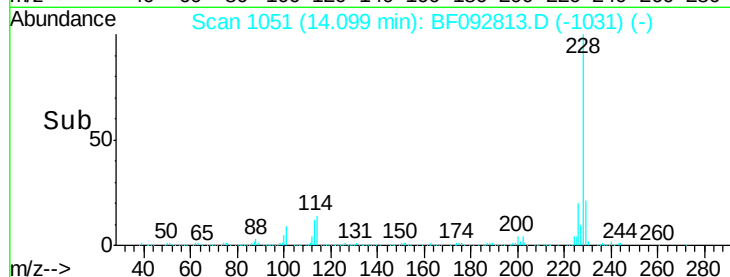
229 21.7 16.2 24.2



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: 20.00 ng

RT: 15.53 min Scan# 1176

Delta R.T. -0.08 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

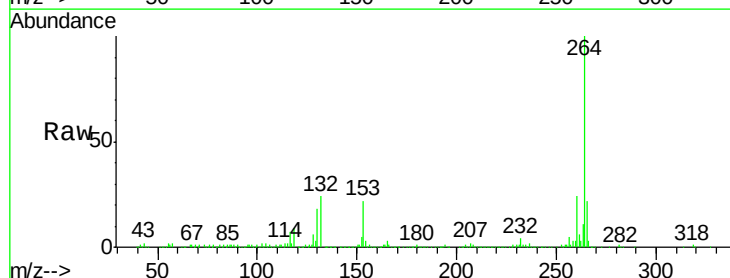
Tgt Ion:264 Resp: 323681

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

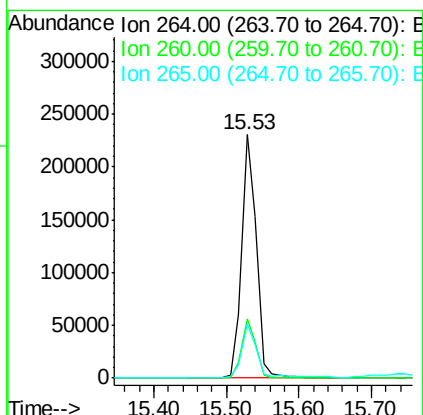
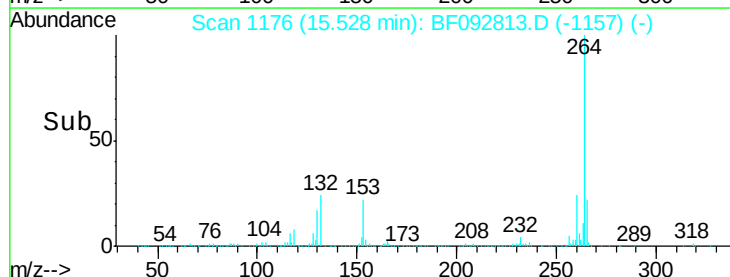
265 22.3 17.4 26.0

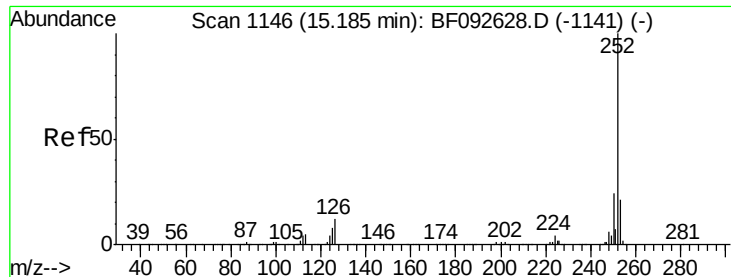


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

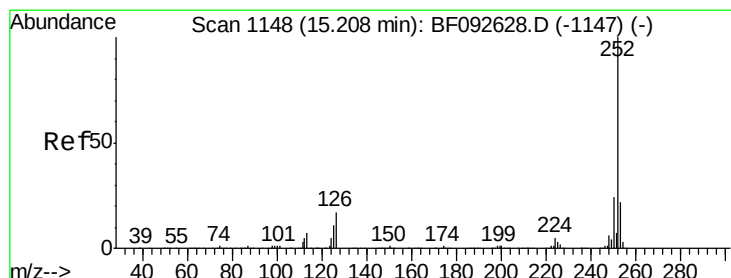
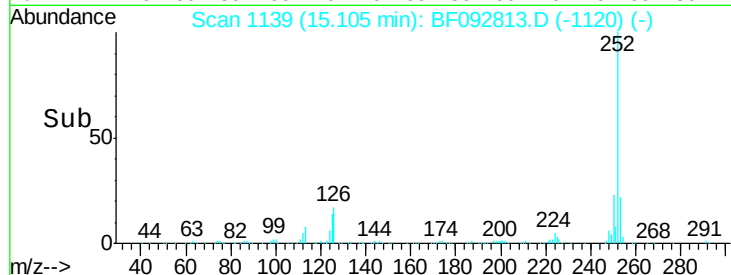
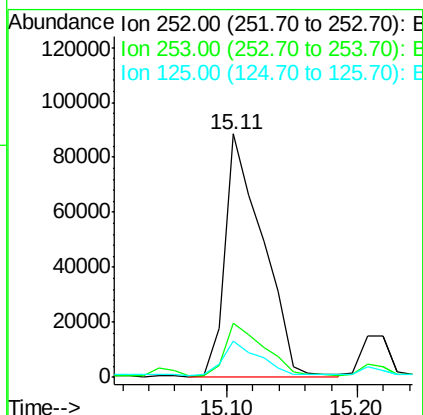
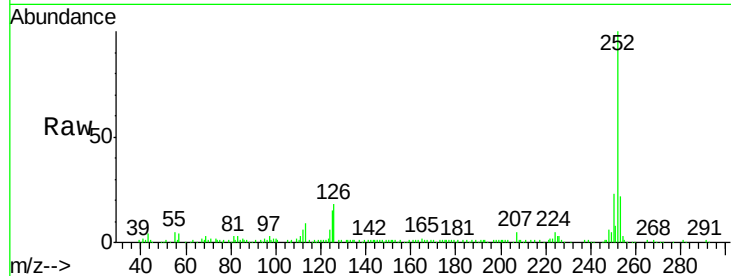




#87
Benzo(b)fluoranthene
Concen: 8.34 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

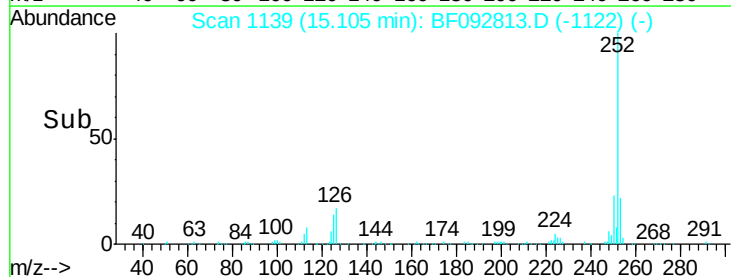
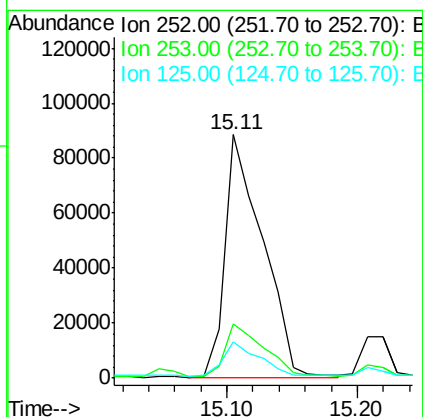
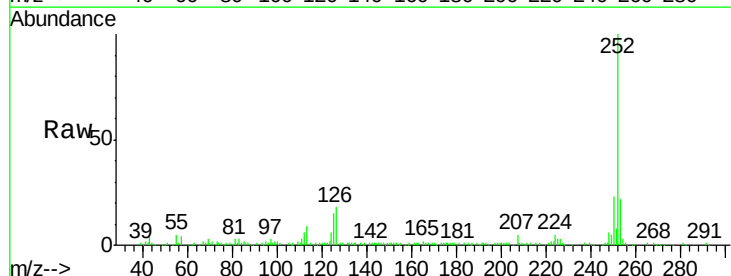
Instrument :
BNA_F
ClientSampleId :
S-2B

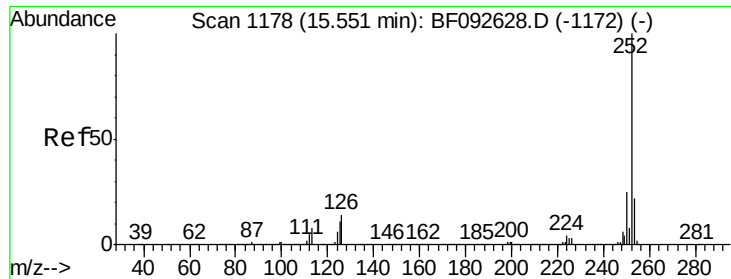
Tgt Ion:252 Resp: 177649
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 14.6 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 9.66 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.10 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion:252 Resp: 177649
Ion Ratio Lower Upper
252 100
253 22.3 18.5 27.7
125 14.6 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 4.72 ng

RT: 15.47 min Scan# 1171

Delta R.T. -0.08 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

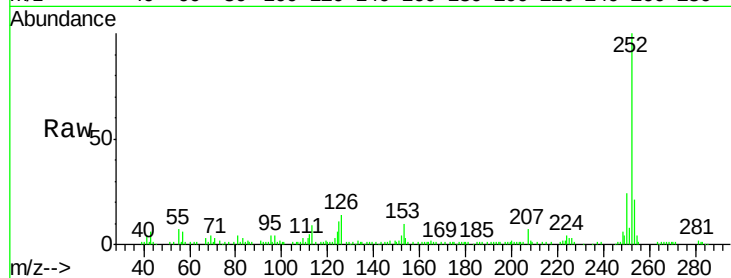
Tgt Ion: 252 Resp: 86903

Ion Ratio Lower Upper

252 100

253 21.0 18.2 27.2

125 11.5 10.0 15.0



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

