

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079686.D
 Acq On : 4 Jun 2015 4:28
 Operator : TP/IZ
 Sample : G2408-25
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

Quant Time: Jun 04 05:37:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

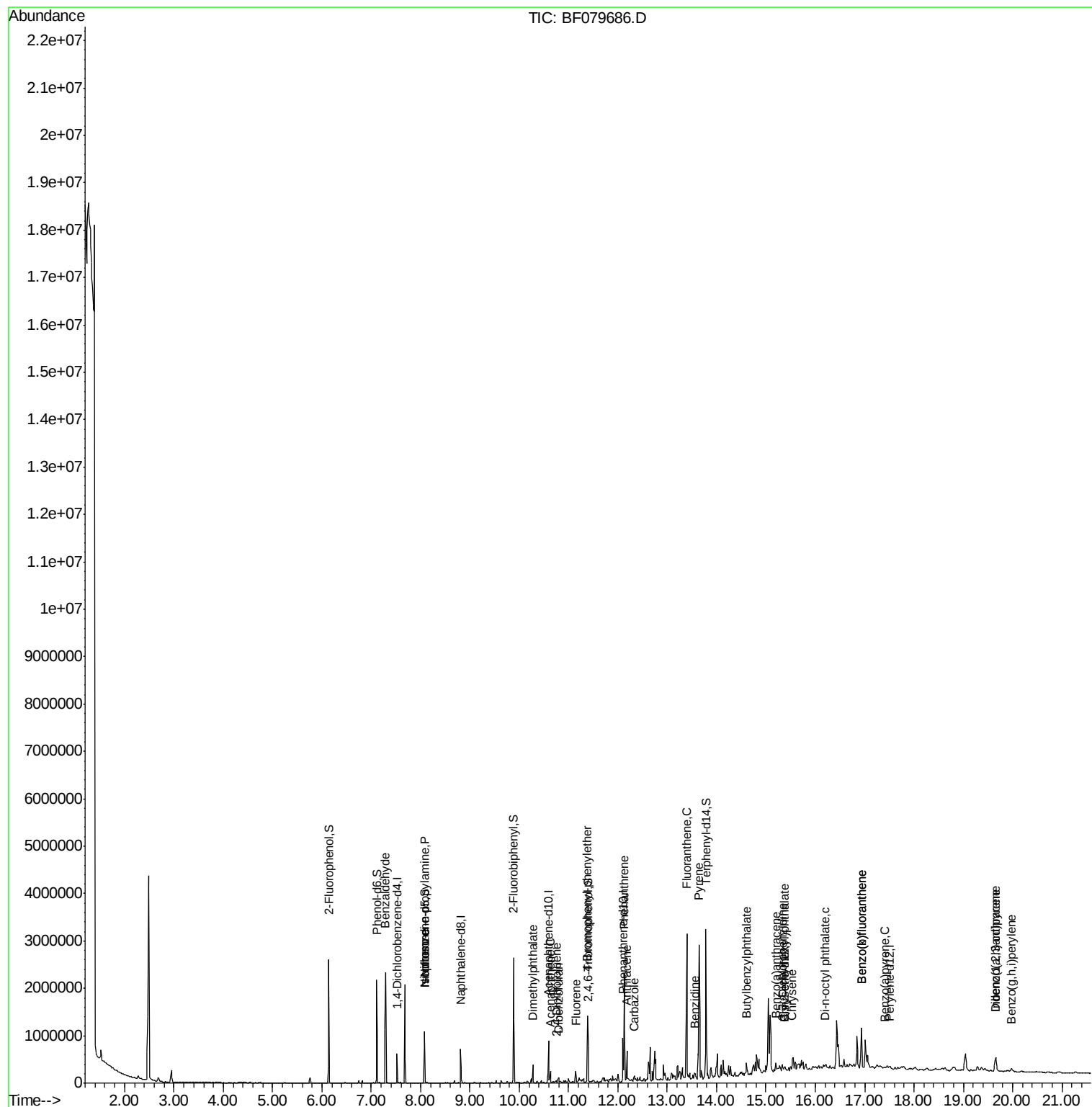
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	87696	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	330989	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	168648	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	316853	20.00	ng	-0.03
75) Chrysene-d12	15.38	240	7714	20.00	ng	0.00
86) Perylene-d12	17.51	264	3772	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	623162	128.69	ng	0.00
7) Phenol-d6	7.11	99	796184	126.29	ng	0.00
23) Nitrobenzene-d5	8.08	82	431216	76.86	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	175222	125.89	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	954240	85.72	ng	0.00
78) Terphenyl-d14	13.78	244	1028764	3578.27	ng	-0.17
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	15774	4.28	ng	84
19) n-Nitroso-di-n-propylamine	8.08	70	57023	13.12	ng	# 73
25) Isophorone	8.08	82	429357	38.06	ng	# 65
49) Dimethylphthalate	10.27	163	137413	11.12	ng	98
51) Acenaphthene	10.63	154	57379	5.61	ng	98
54) Dibenzofuran	10.80	168	41752	2.81	ng	95
56) 2,4-Dinitrotoluene	10.75	165	2258	3.38	ng	# 41
57) Fluorene	11.14	166	65290	5.38	ng	98
66) 4-Bromophenyl-phenylether	11.38	248	11187	3.52	ng	# 1
70) Phenanthrene	12.13	178	1013274	57.84	ng	100
71) Anthracene	12.18	178	252972	14.35	ng	99
72) Carbazole	12.33	167	52590	3.25	ng	# 96
74) Fluoranthene	13.39	202	1385118	73.33	ng	95
76) Benzidine	13.55	184	538	3.07	ng	# 1
77) Pyrene	13.65	202	1354632	3049.90	ng	99
79) Butylbenzylphthalate	14.61	149	1159	9.94	ng	# 84
80) Benzo(a)anthracene	15.20	228	63810	151.26	ng	# 56
81) 3,3'-Dichlorobenzidine	15.34	252	888	7.05	ng	# 71
82) Chrysene	15.53	228	4975	11.72	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.38	149	1400	8.38	ng	# 93
84) Di-n-octyl phthalate	16.21	149	1436	6.20	ng	# 71
85) Indeno(1,2,3-cd)pyrene	19.66	276	313274	754.78	ng	96
87) Benzo(b)fluoranthene	16.94	252	597998	3067.90	ng	99
88) Benzo(k)fluoranthene	16.94	252	598818	2622.12	ng	98
89) Benzo(a)pyrene	17.41	252	993	5.21	ng	# 1
90) Dibenzo(a,h)anthracene	19.66	278	8434	47.23	ng	# 78
91) Benzo(g,h,i)perylene	19.98	276	70167	370.44	ng	# 82

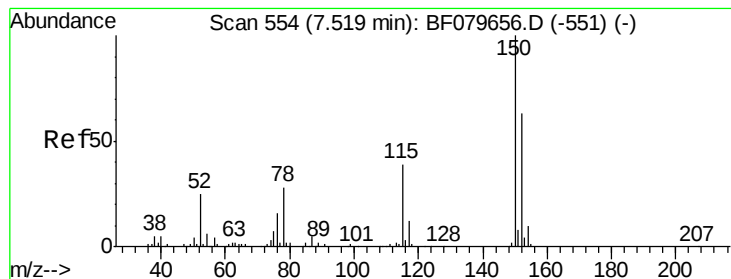
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

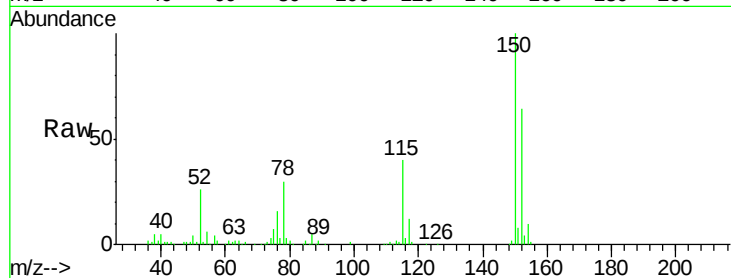
Tgt Ion:152 Resp: 87696

Ion Ratio Lower Upper

152 100

150 155.1 126.7 190.1

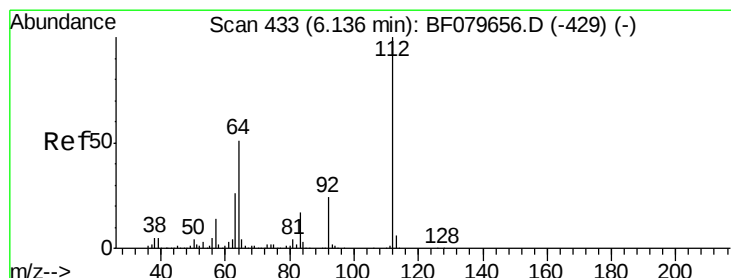
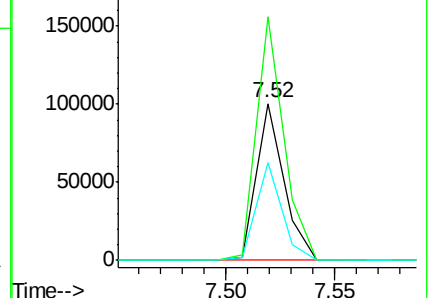
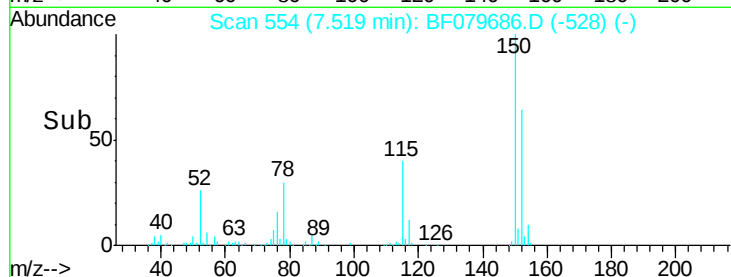
115 62.5 49.2 73.8



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: 128.69 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

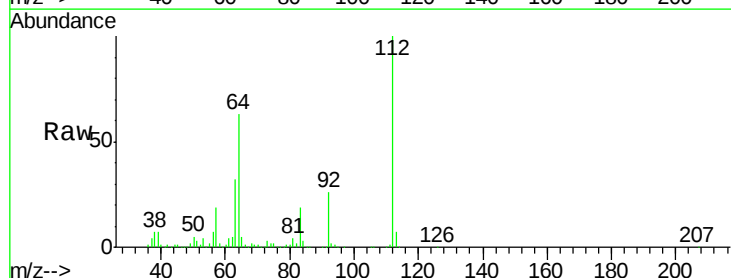
Tgt Ion:112 Resp: 623162

Ion Ratio Lower Upper

112 100

64 63.3 41.1 61.7#

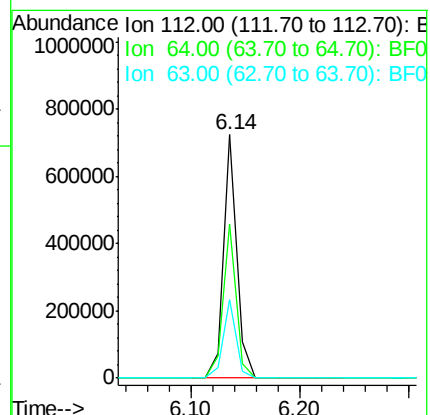
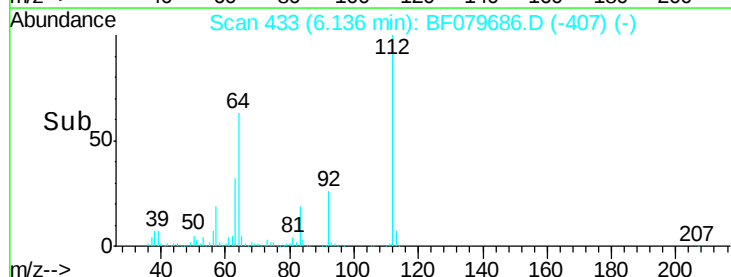
63 32.3 20.5 30.7#

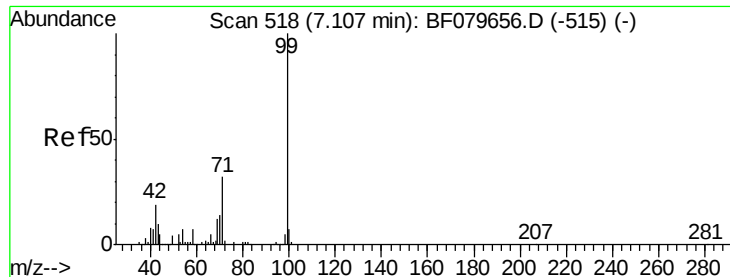


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.29 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

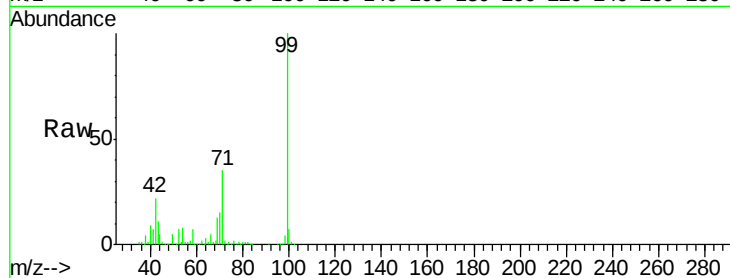
Tgt Ion: 99 Resp: 796184

Ion Ratio Lower Upper

99 100

42 21.7 15.2 22.8

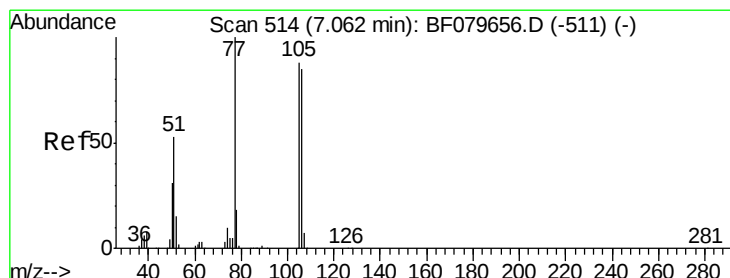
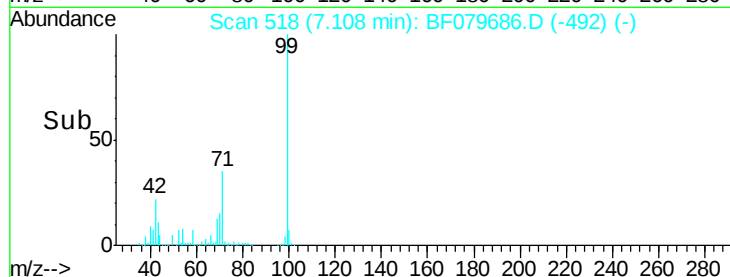
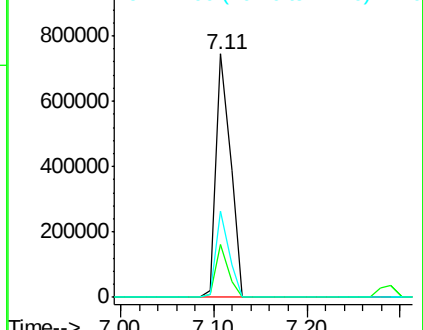
71 35.3 25.9 38.9



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



#9

Benzaldehyde

Concen: 4.28 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

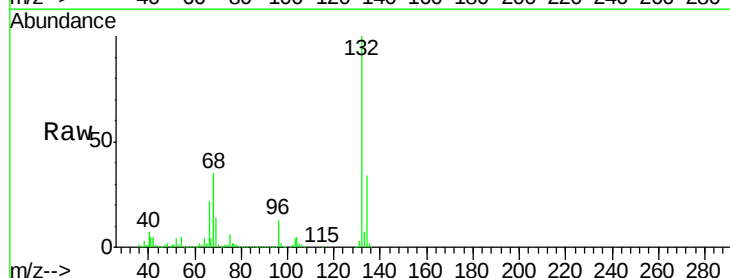
Tgt Ion: 77 Resp: 15774

Ion Ratio Lower Upper

77 100

105 76.8 68.2 108.2

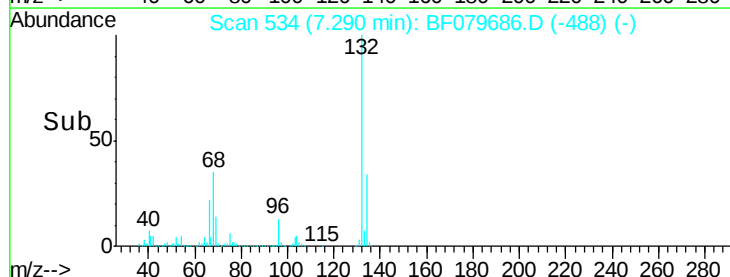
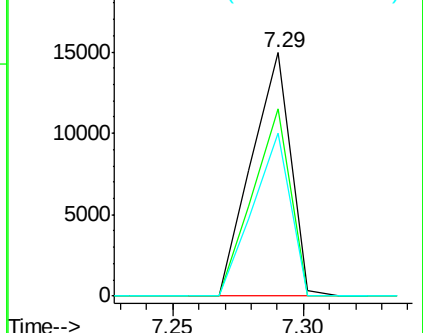
106 67.2 64.9 104.9

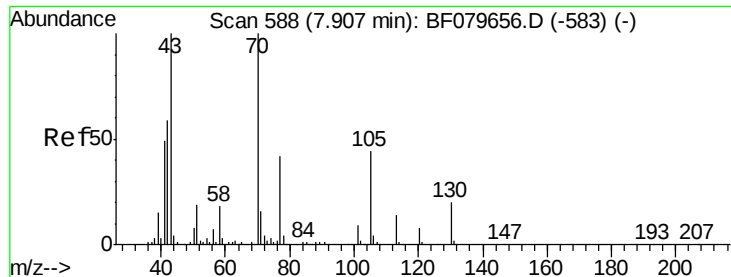


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 13.12 ng

RT: 8.08 min Scan# 603

Delta R.T. 0.17 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

Tgt Ion: 70 Resp: 57023

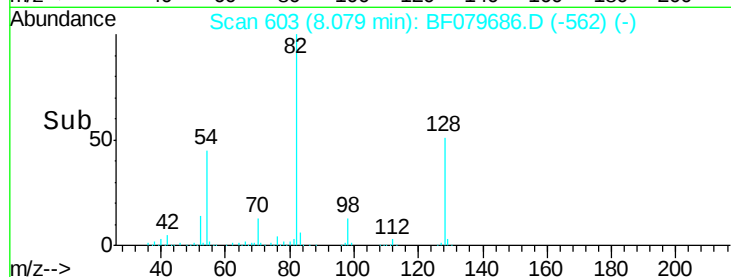
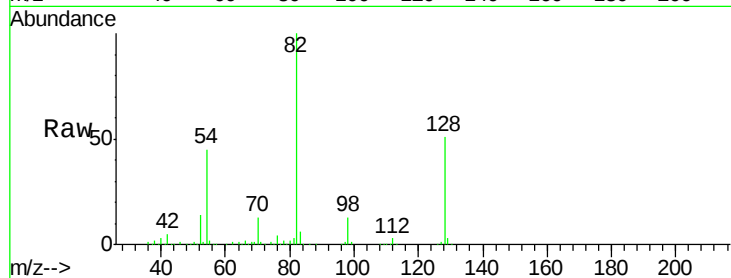
Ion Ratio Lower Upper

70 100

42 41.9 47.7 71.5#

101 0.0 7.4 11.0#

130 2.2 15.8 23.8#

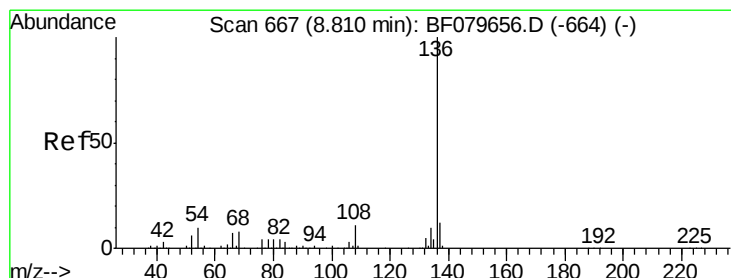
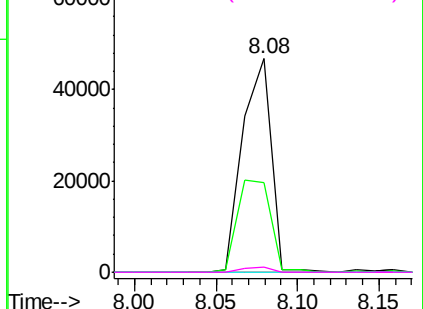


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Tgt Ion: 136 Resp: 330989

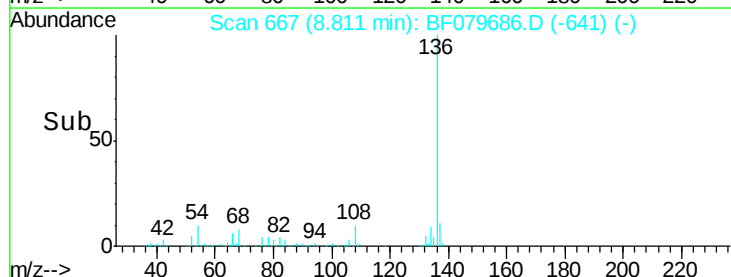
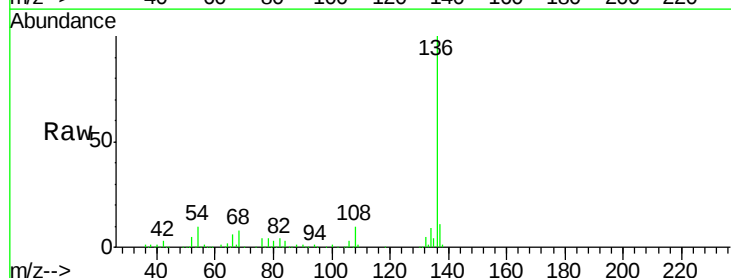
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 10.2 8.3 12.5

68 7.7 6.1 9.1

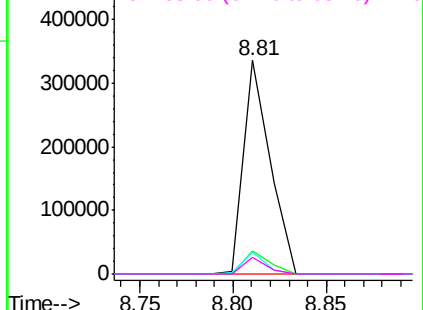


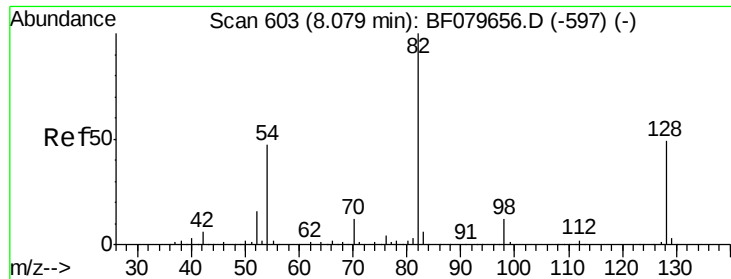
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

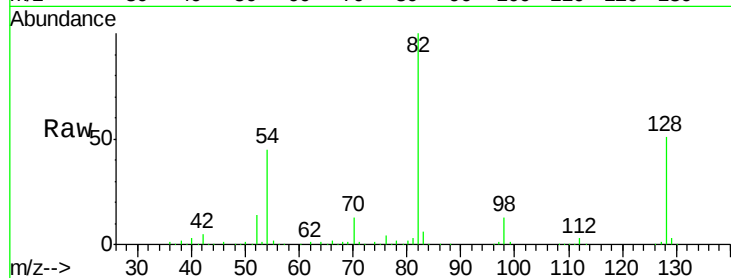




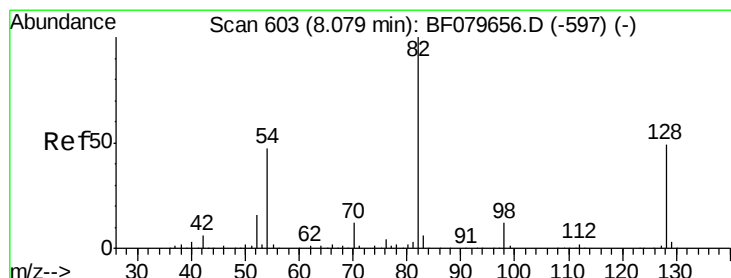
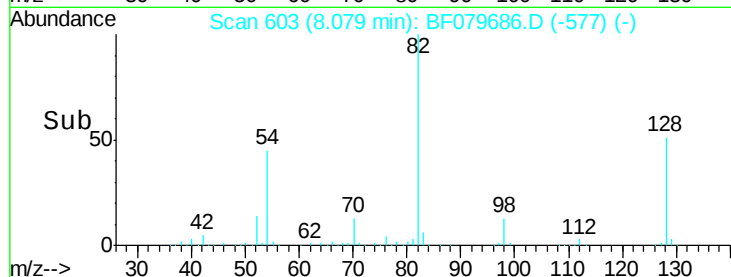
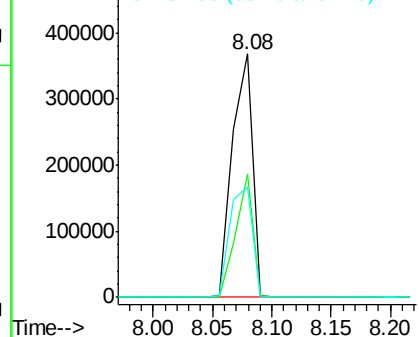
#23
 Nitrobenzene-d5
 Concen: 76.86 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampleID :
 SB-14D

Tgt Ion: 82 Resp: 431216
 Ion Ratio Lower Upper
 82 100
 128 50.8 39.4 59.0
 54 45.4 37.4 56.0

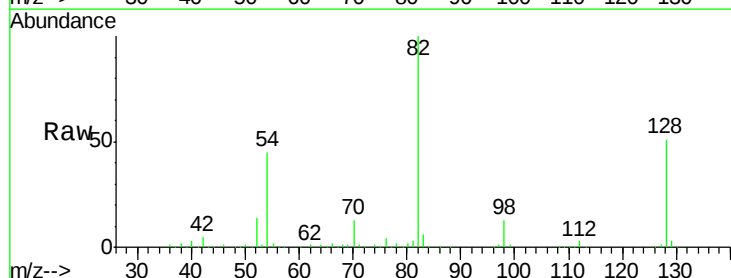


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

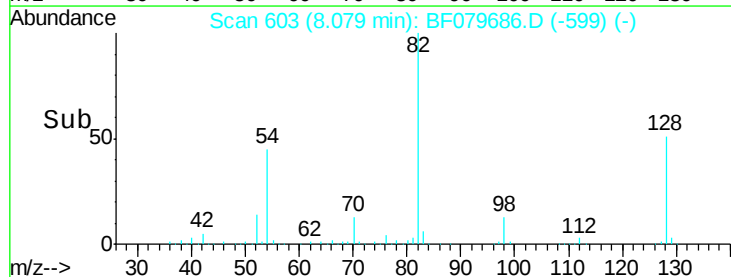
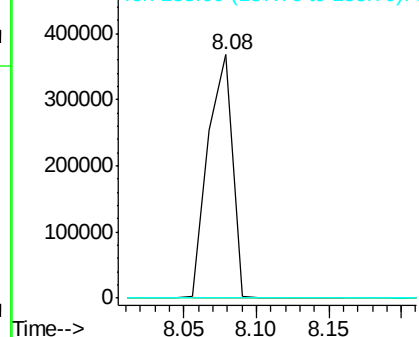


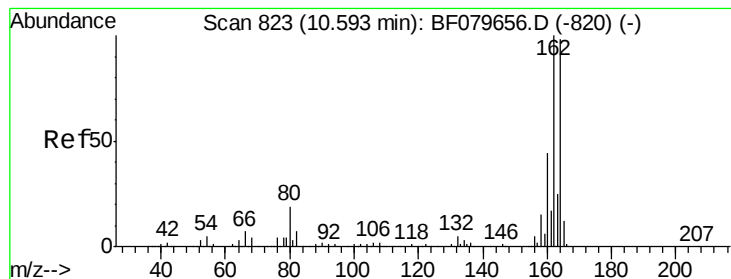
#25
 Isophorone
 Concen: 38.06 ng
 RT: 8.08 min Scan# 603
 Delta R.T. -0.25 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion: 82 Resp: 429357
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.4 21.6#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

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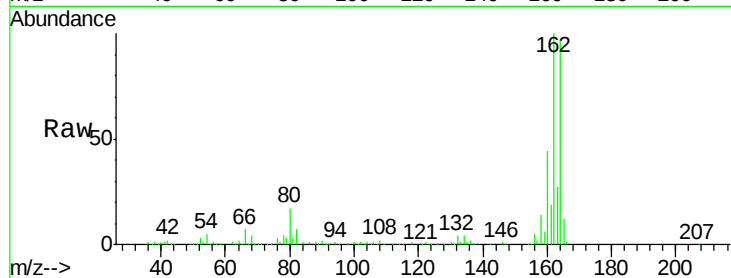
Tgt Ion:164 Resp: 168648

Ion Ratio Lower Upper

164 100

162 103.0 82.0 123.0

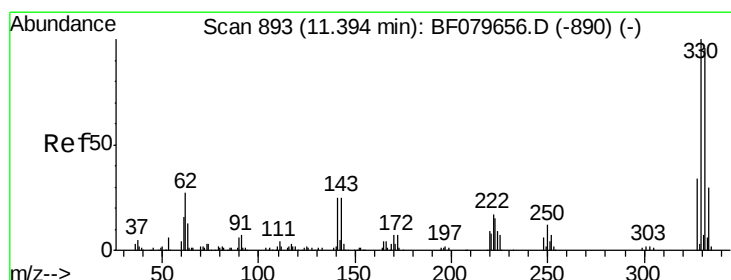
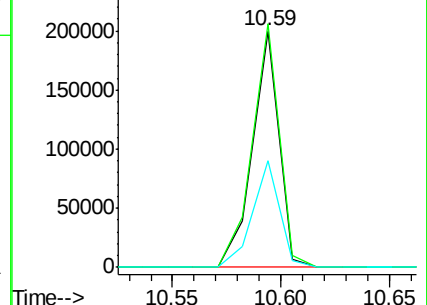
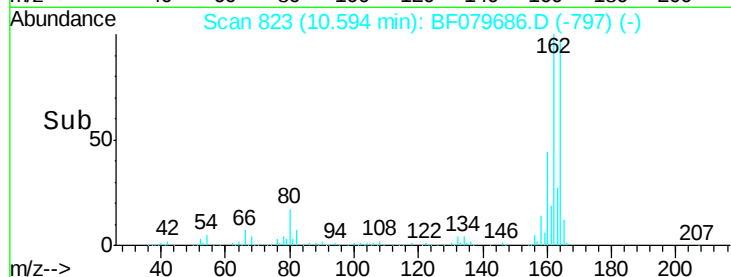
160 45.2 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 125.89 ng

RT: 11.39 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

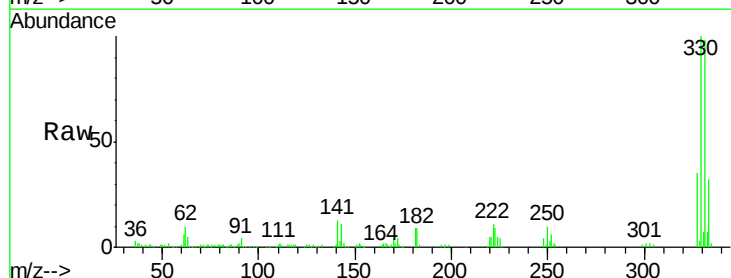
Tgt Ion:330 Resp: 175222

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

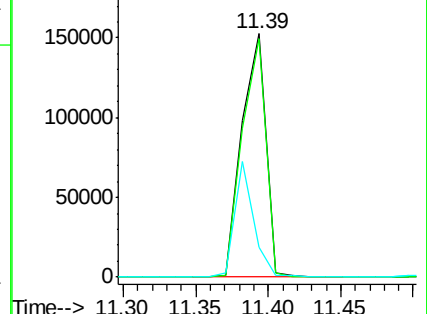
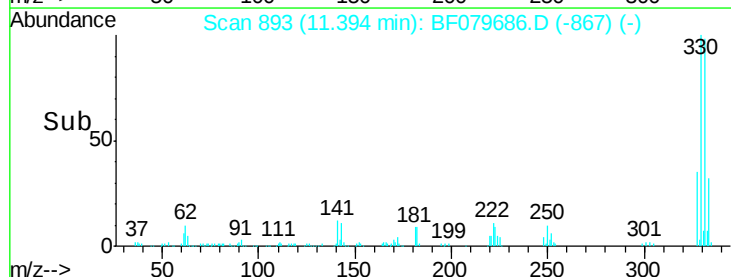
141 38.4 27.4 41.2

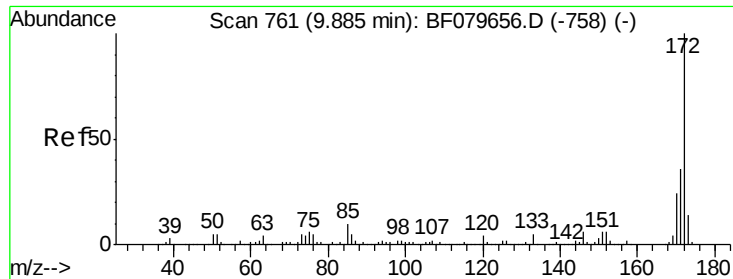


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

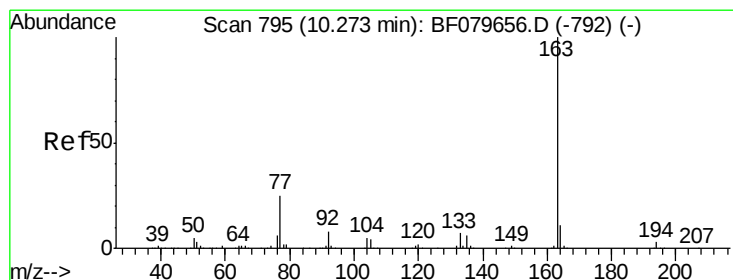
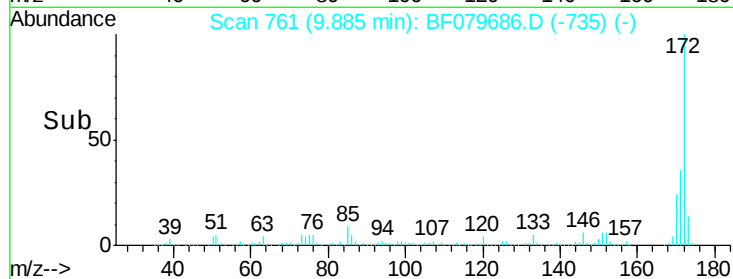
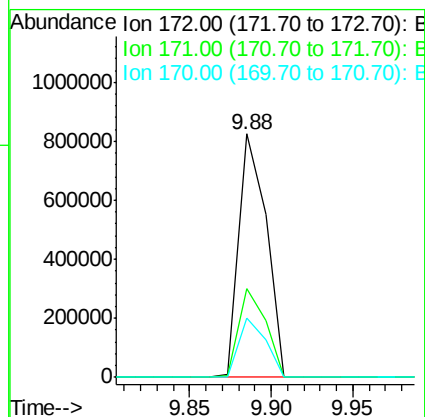
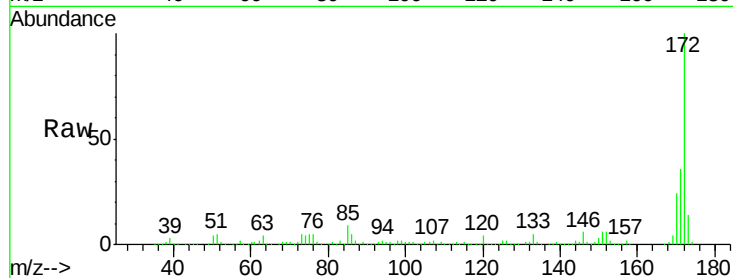




#44
2-Fluorobiphenyl
Concen: 85.72 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

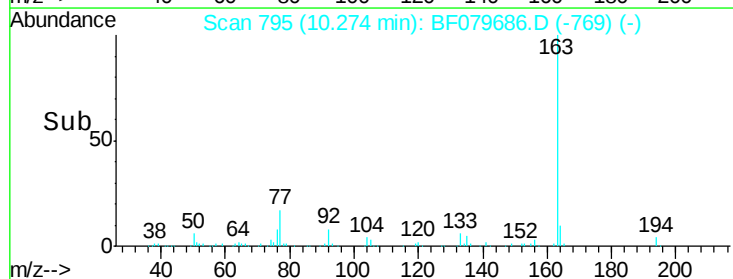
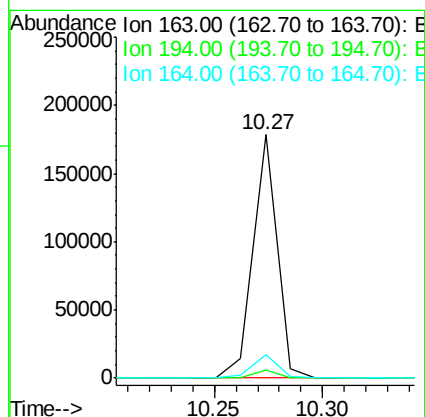
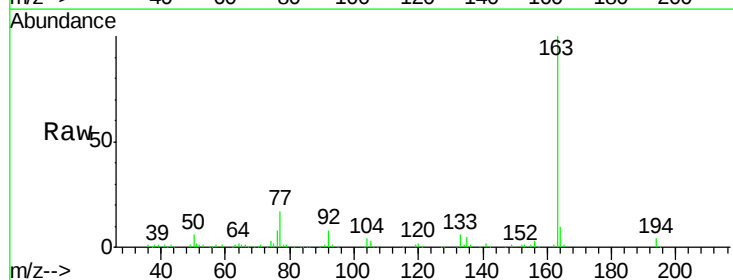
Instrument :
BNA_F
ClientSampled :
SB-14D

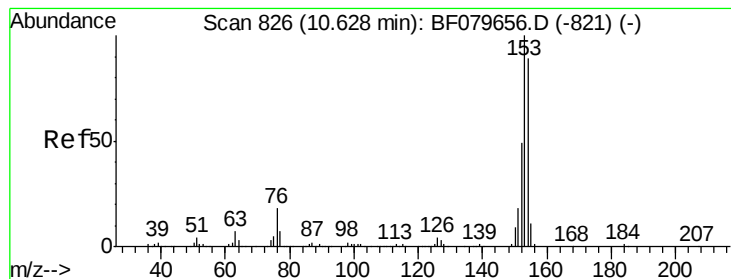
Tgt Ion:172 Resp: 954240
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.4 19.2 28.8



#49
Dimethylphthalate
Concen: 11.12 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion:163 Resp: 137413
Ion Ratio Lower Upper
163 100
194 3.5 2.6 3.8
164 9.8 8.6 12.8





#51

Acenaphthene

Concen: 5.61 ng

RT: 10.63 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

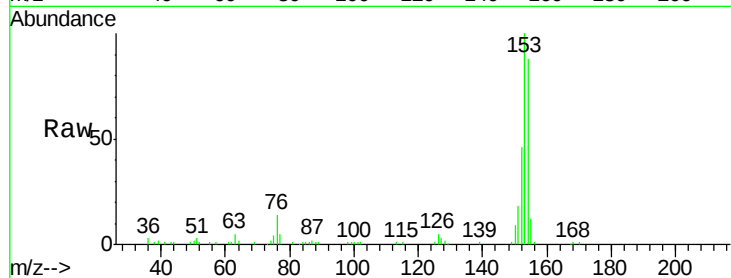
Tgt Ion:154 Resp: 57379

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

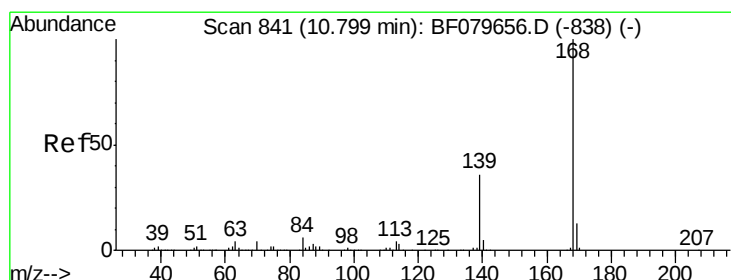
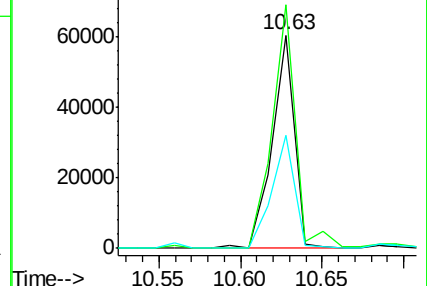
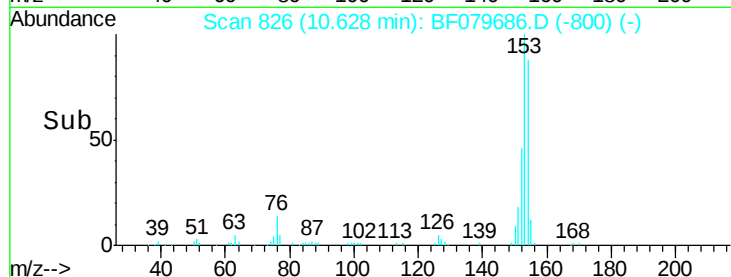
152 53.0 43.8 65.8



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



#54

Dibenzofuran

Concen: 2.81 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

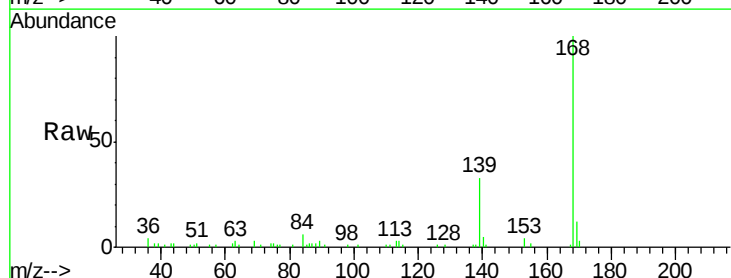
Tgt Ion:168 Resp: 41752

Ion Ratio Lower Upper

168 100

139 33.3 29.1 43.7

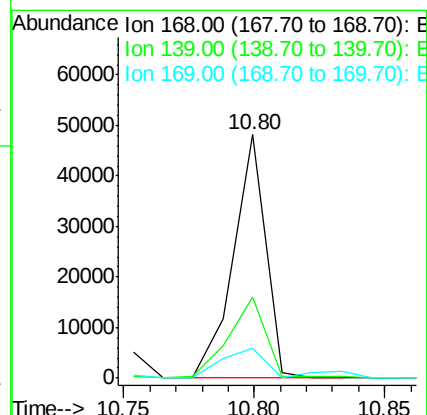
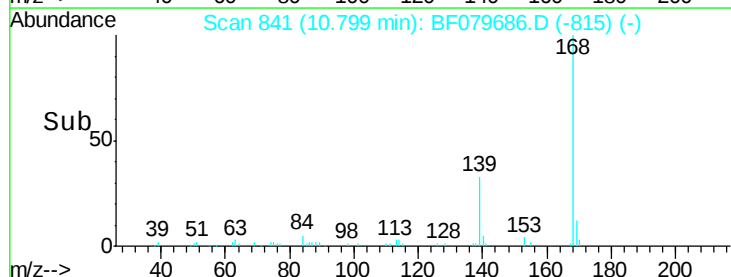
169 12.1 10.7 16.1

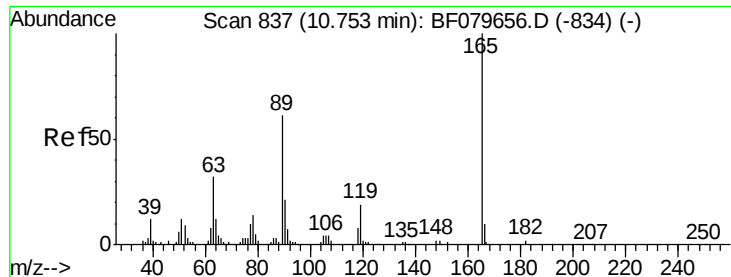


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

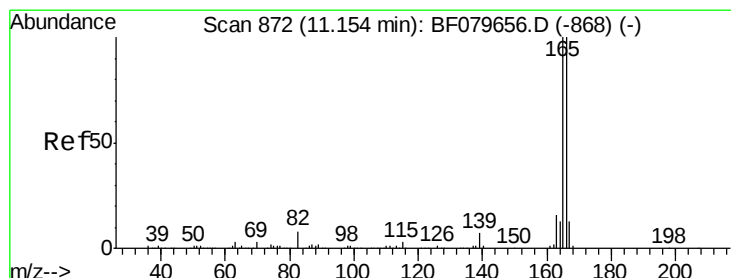
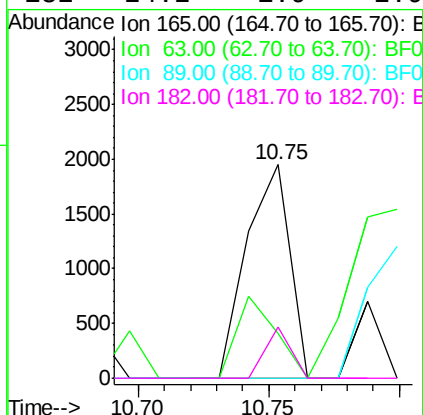
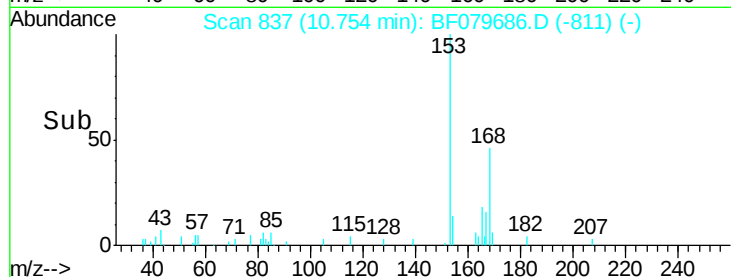
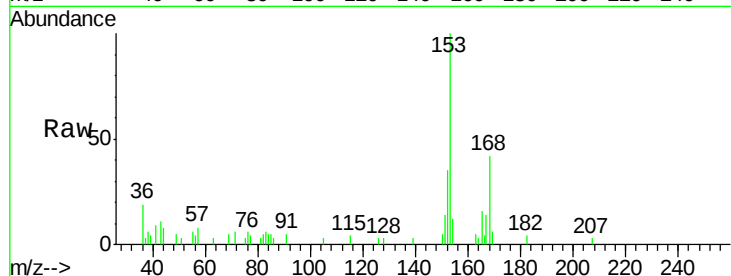




#56
2,4-Dinitrotoluene
Concen: 3.38 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

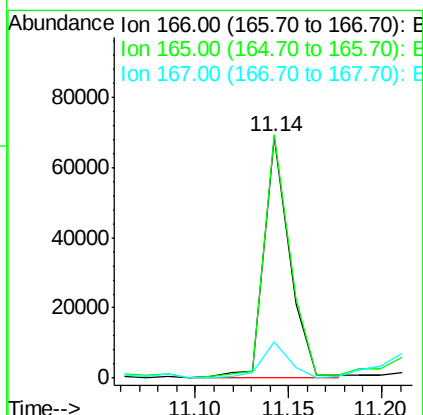
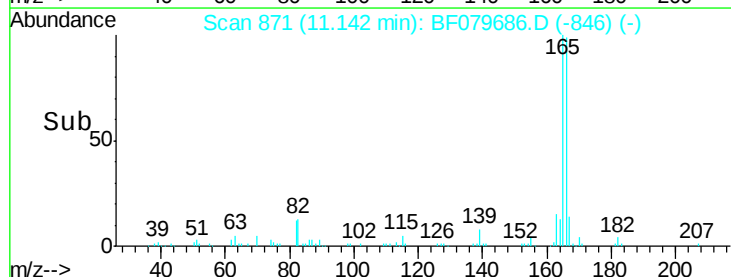
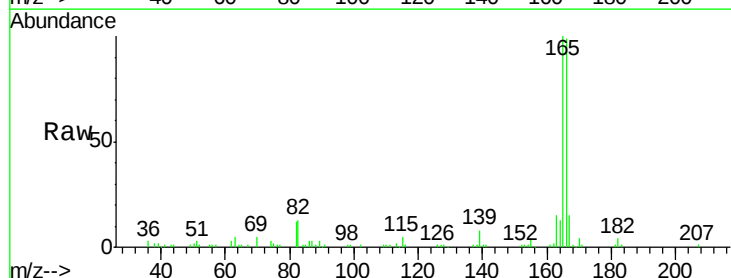
Instrument :
BNA_F
ClientSampleId :
SB-14D

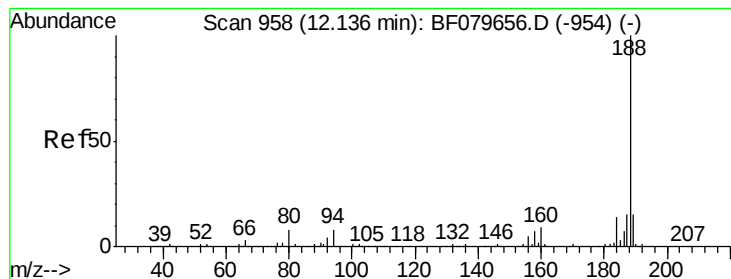
Tgt Ion:165 Resp: 2258
Ion Ratio Lower Upper
165 100
63 21.0 25.5 38.3#
89 0.0 48.5 72.7#
182 24.2 1.9 2.9#



#57
Fluorene
Concen: 5.38 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion:166 Resp: 65290
Ion Ratio Lower Upper
166 100
165 100.8 79.8 119.6
167 15.1 10.6 15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

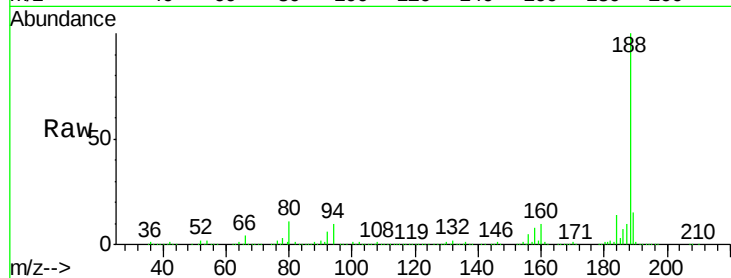
Tgt Ion:188 Resp: 316853

Ion Ratio Lower Upper

188 100

94 10.4 6.1 9.1#

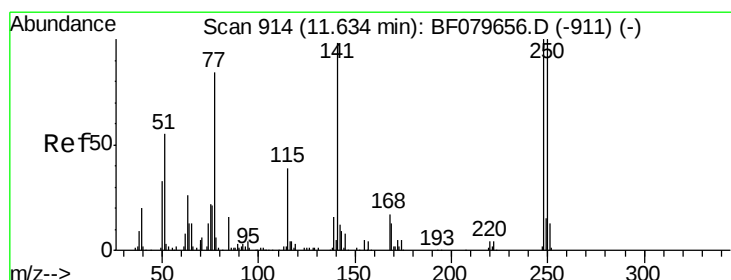
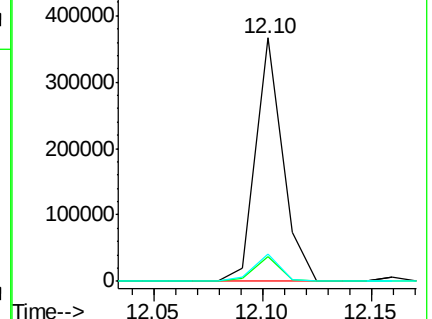
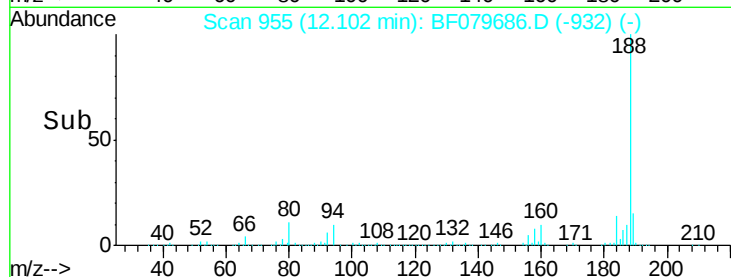
80 11.2 6.2 9.2#



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



#66

4-Bromophenyl-phenylether

Concen: 3.52 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

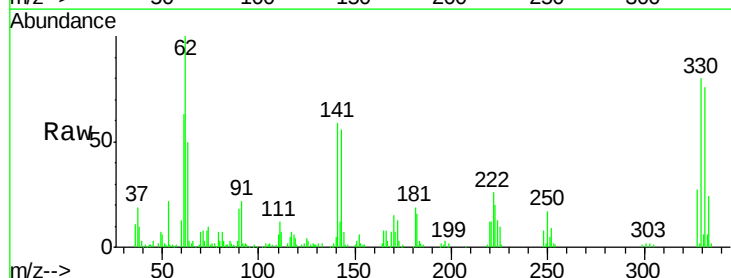
Tgt Ion:248 Resp: 11187

Ion Ratio Lower Upper

248 100

250 213.4 80.0 120.0#

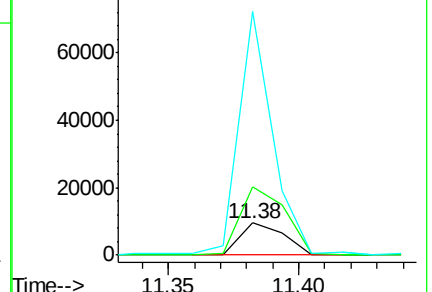
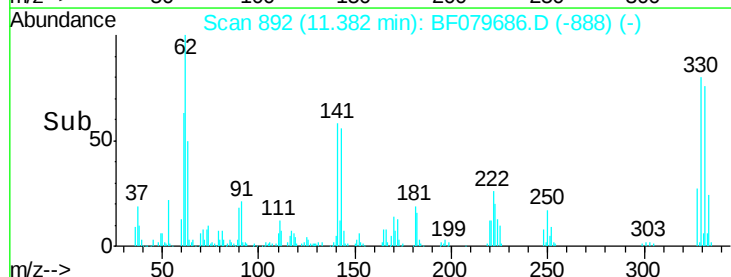
141 756.0 78.8 118.2#

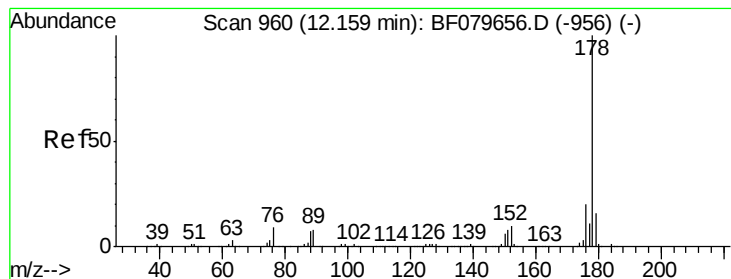


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 57.84 ng

RT: 12.13 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

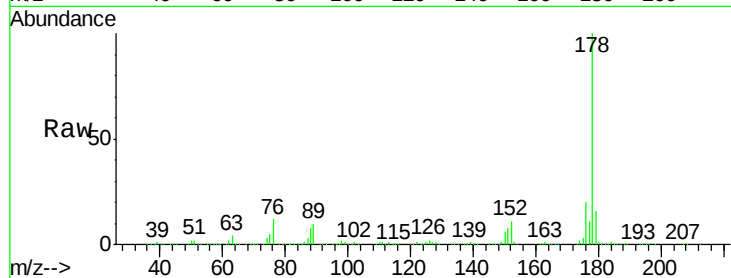
Tgt Ion:178 Resp: 1013274

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

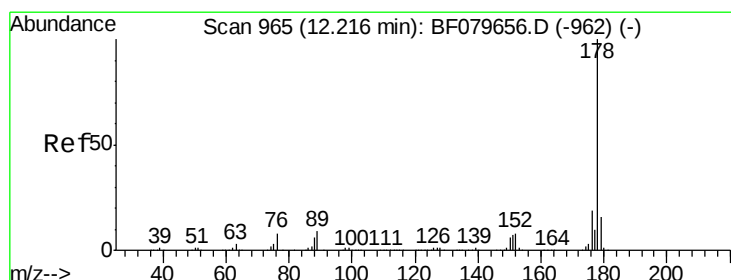
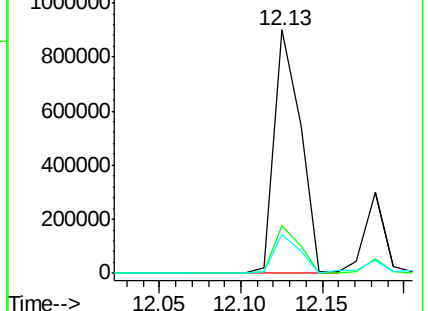
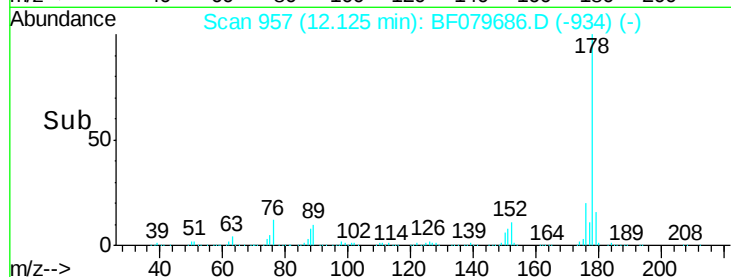
179 15.8 12.7 19.1



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: 14.35 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

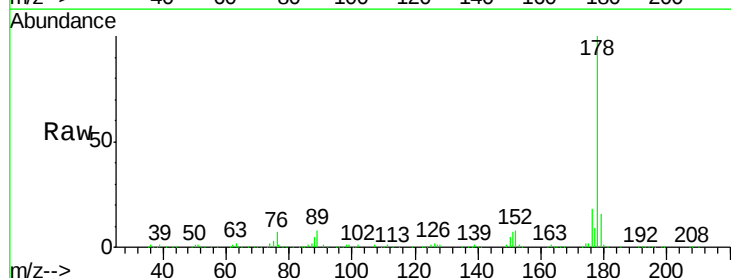
Tgt Ion:178 Resp: 252972

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

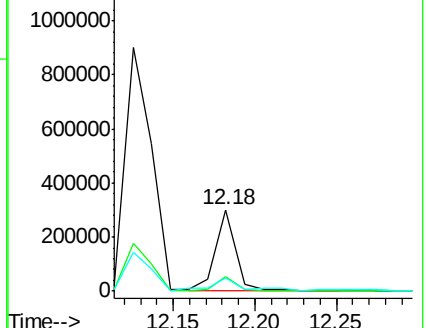
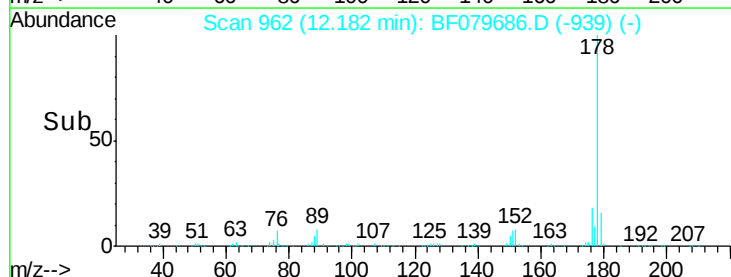
179 15.7 12.6 19.0

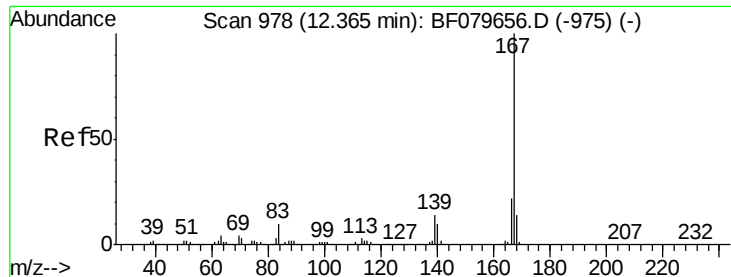


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

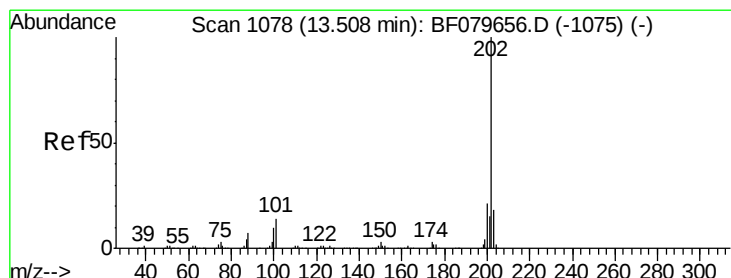
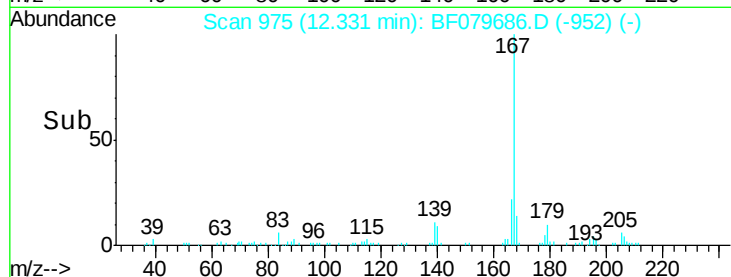
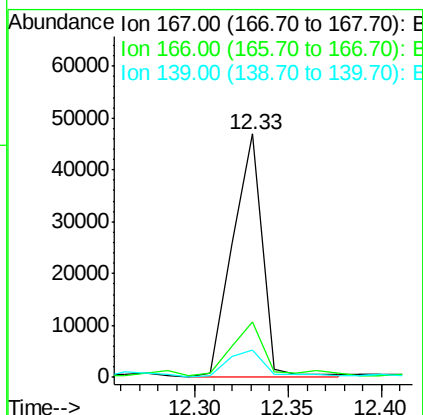
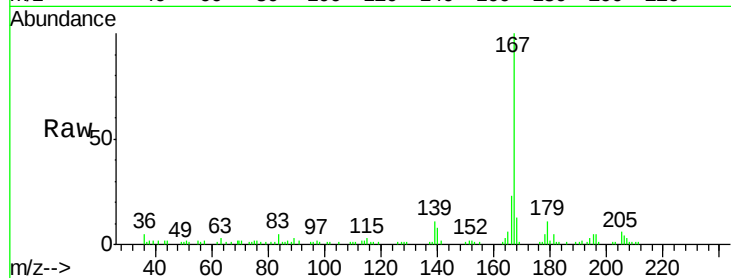




#72
 Carbazole
 Concen: 3.25 ng
 RT: 12.33 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

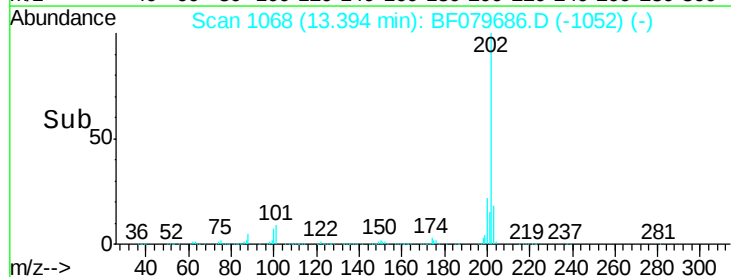
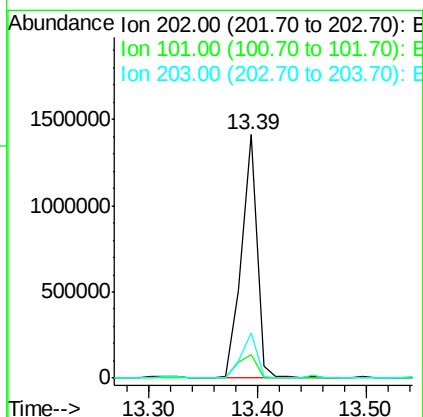
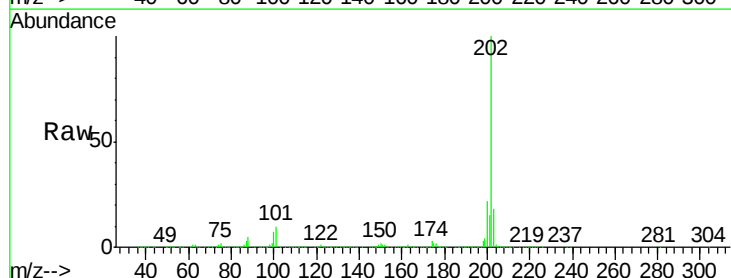
Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

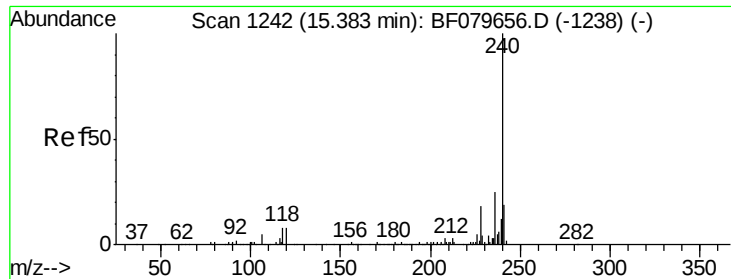
Tgt Ion:167 Resp: 52590
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.4 26.2
 139 11.2 11.3 16.9#



#74
 Fluoranthene
 Concen: 73.33 ng
 RT: 13.39 min Scan# 1068
 Delta R.T. -0.11 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion:202 Resp: 1385118
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 34.0
 203 18.3 0.0 37.9

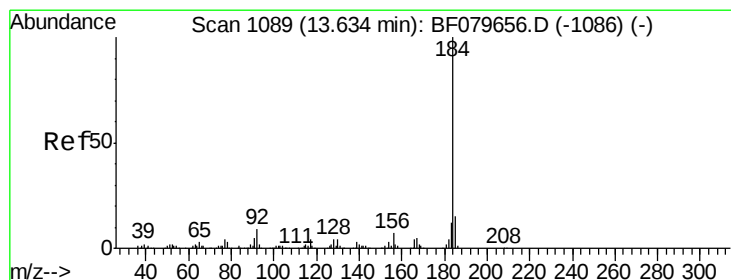
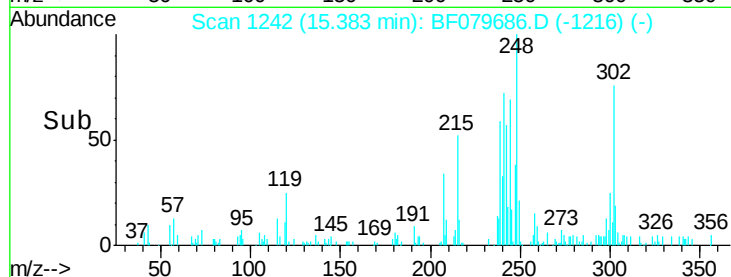
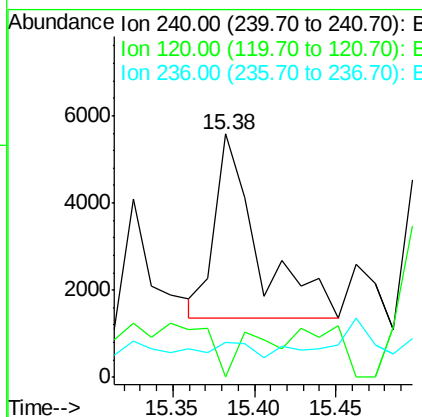
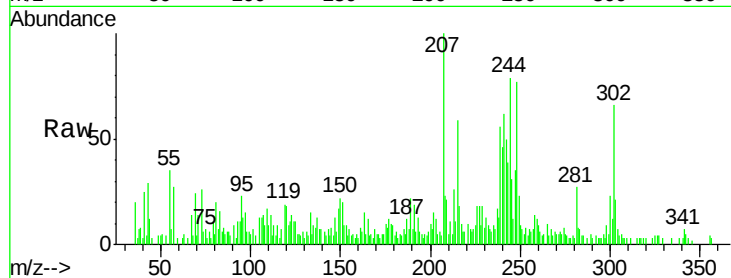




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

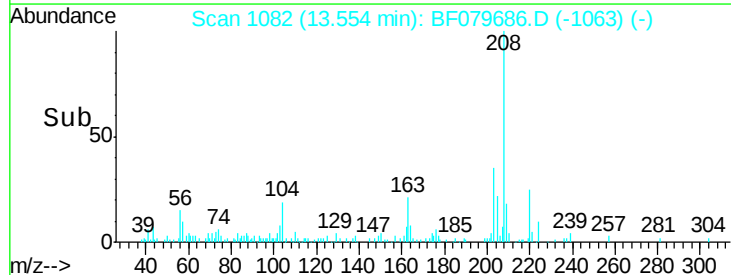
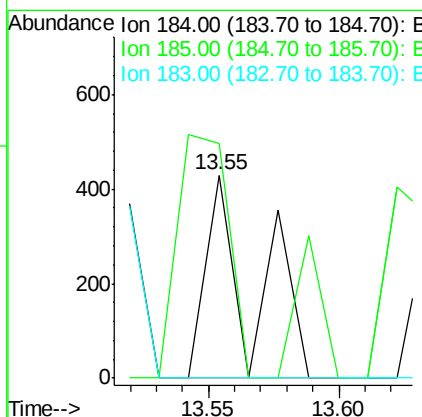
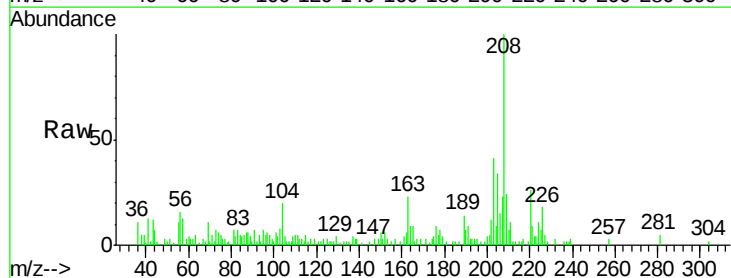
Instrument :
BNA_F
ClientSampleId :
SB-14D

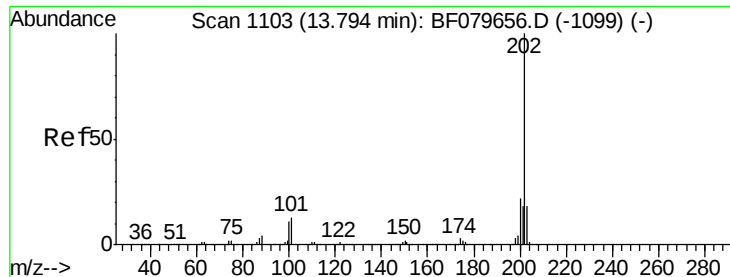
Tgt Ion: 240 Resp: 7714
Ion Ratio Lower Upper
240 100
120 0.0 6.4 9.6#
236 14.4 20.2 30.4#



#76
Benzidine
Concen: 3.07 ng
RT: 13.55 min Scan# 1082
Delta R.T. -0.08 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion: 184 Resp: 538
Ion Ratio Lower Upper
184 100
185 115.6 11.8 17.6#
183 0.0 9.2 13.8#





#77

Pyrene

Concen: 3049.90 ng

RT: 13.65 min Scan# 1090

Delta R.T. -0.15 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

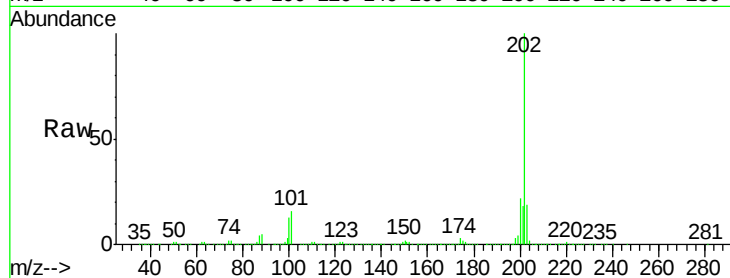
Tgt Ion:202 Resp: 1354632

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.0

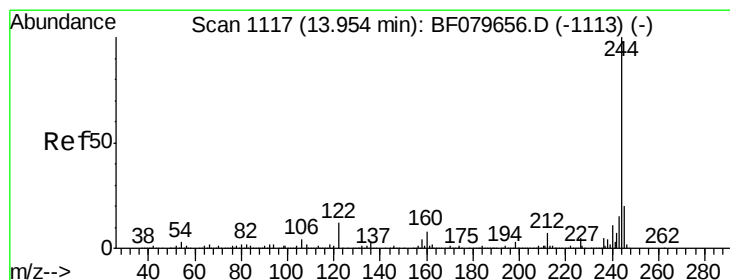
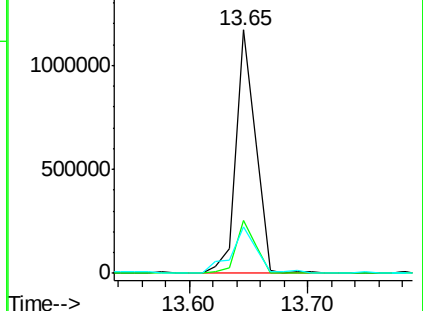
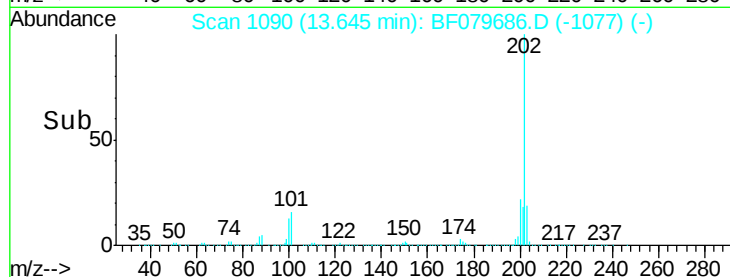
203 18.9 14.5 21.7



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: 3578.27 ng

RT: 13.78 min Scan# 1102

Delta R.T. -0.17 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

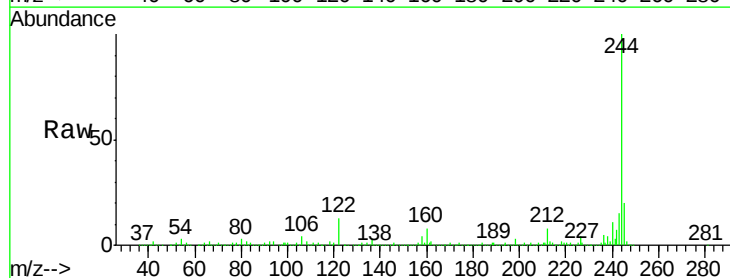
Tgt Ion:244 Resp: 1028764

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

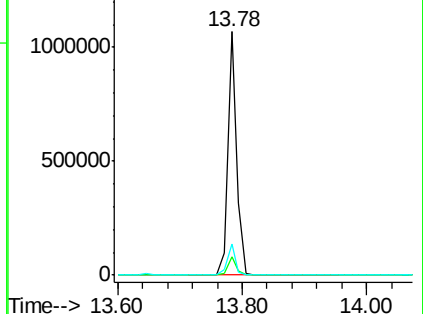
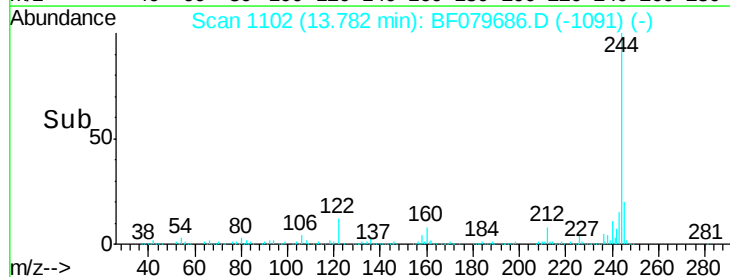
122 12.6 9.8 14.6

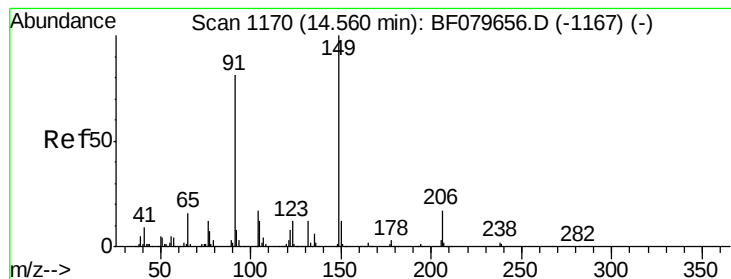


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 9.94 ng

RT: 14.61 min Scan# 1174

Delta R.T. 0.05 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

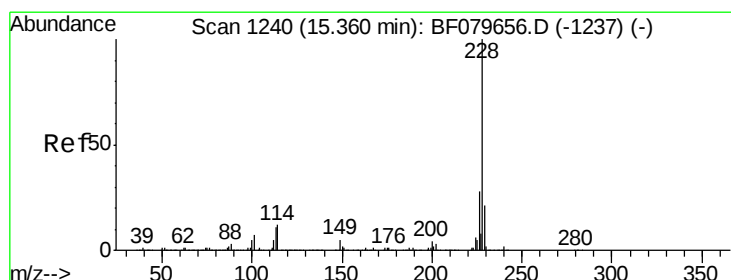
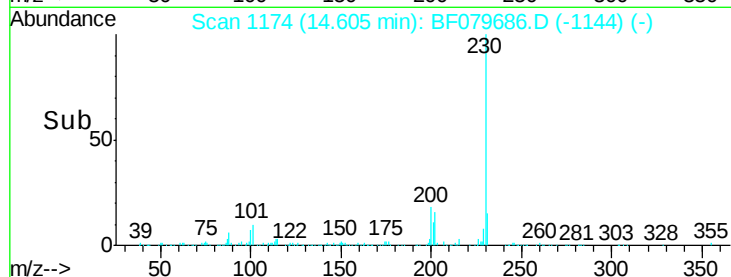
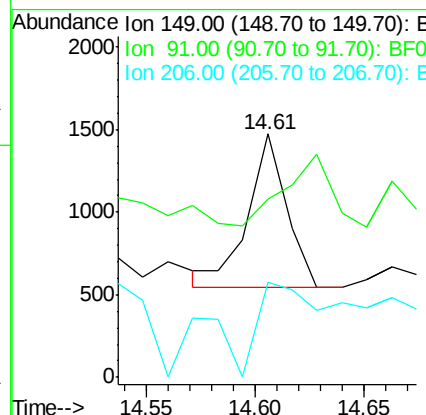
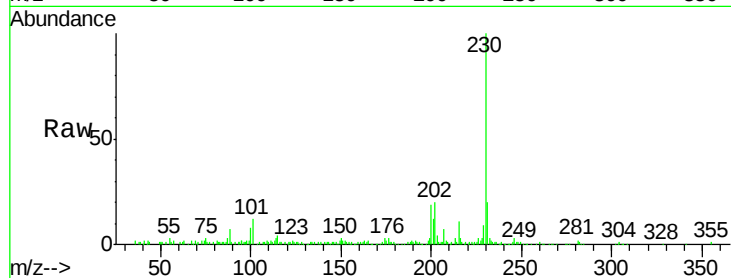
Instrument :

BNA_F

ClientSampleId :

SB-14D

Tgt Ion:	149	Resp:	1159
Ion	Ratio	Lower	Upper
149	100		
91	73.0	64.4	96.6
206	39.3	13.6	20.4#



#80

Benzo(a)anthracene

Concen: 151.26 ng

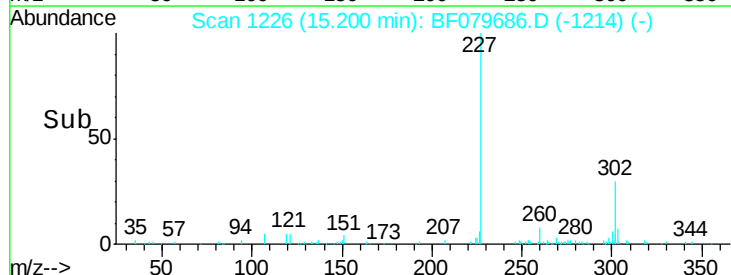
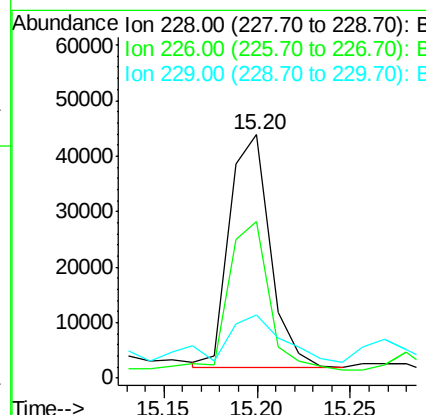
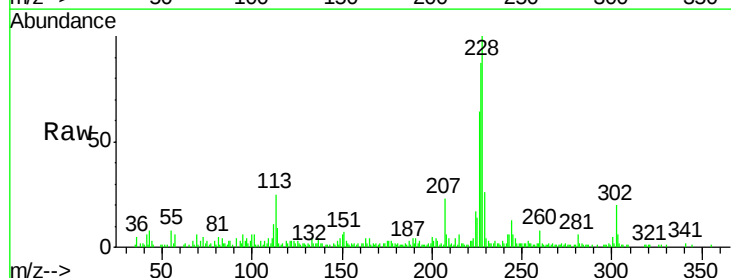
RT: 15.20 min Scan# 1226

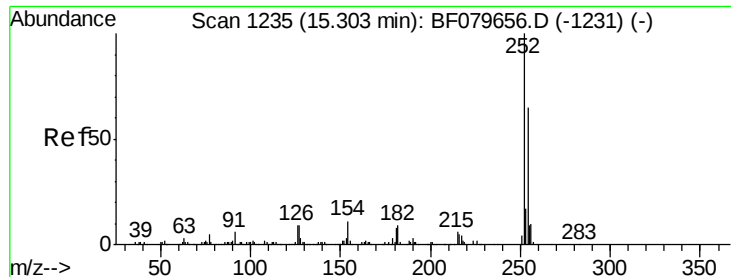
Delta R.T. -0.16 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Tgt Ion:	228	Resp:	63810
Ion	Ratio	Lower	Upper
228	100		
226	64.2	22.5	33.7#
229	26.1	16.6	24.8#

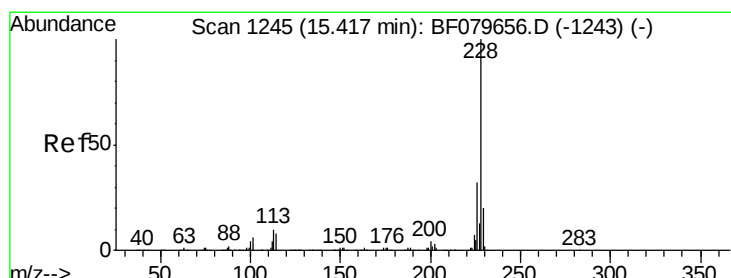
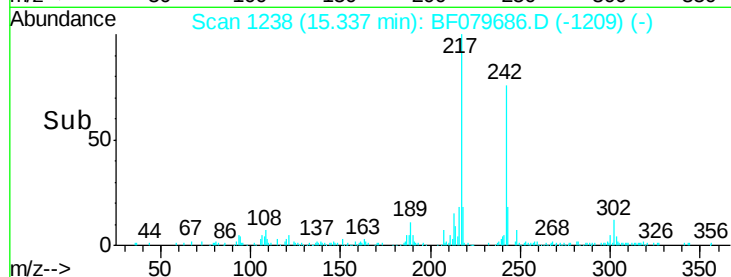
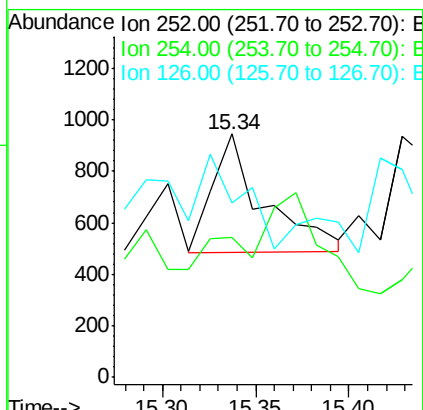
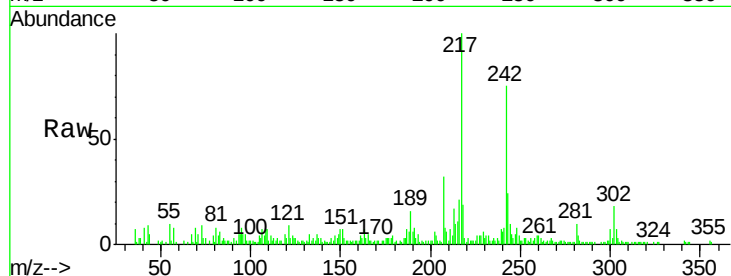




#81
 3,3'-Dichlorobenzidine
 Concen: 7.05 ng
 RT: 15.34 min Scan# 1238
 Delta R.T. 0.03 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

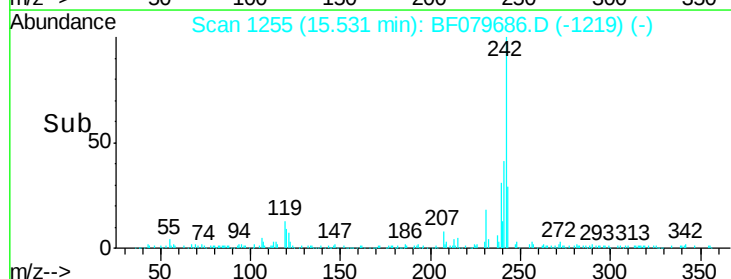
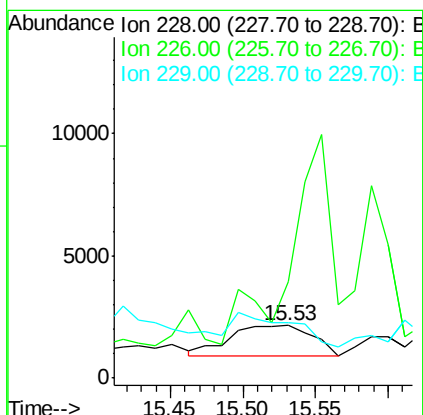
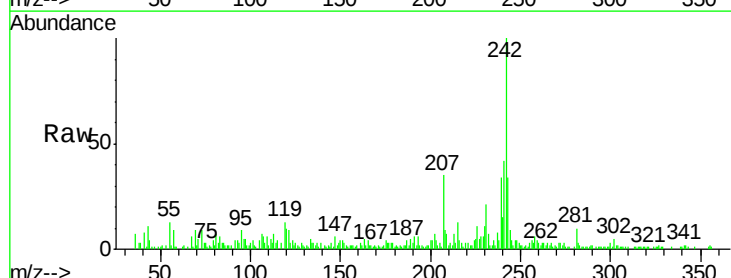
Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

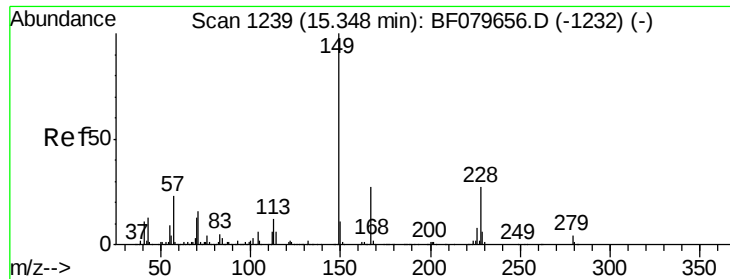
Tgt Ion:252 Resp: 888
 Ion Ratio Lower Upper
 252 100
 254 57.5 51.6 77.4
 126 71.6 7.3 10.9#



#82
 Chrysene
 Concen: 11.72 ng
 RT: 15.53 min Scan# 1255
 Delta R.T. 0.11 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion:228 Resp: 4975
 Ion Ratio Lower Upper
 228 100
 226 184.6 25.2 37.8#
 229 106.0 16.3 24.5#





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.38 ng

RT: 15.38 min Scan# 1242

Delta R.T. 0.03 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

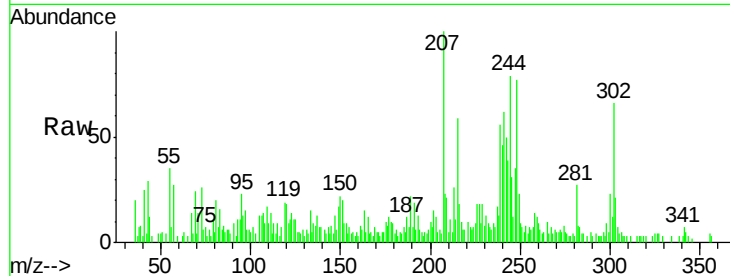
Tgt Ion:149 Resp: 1400

Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

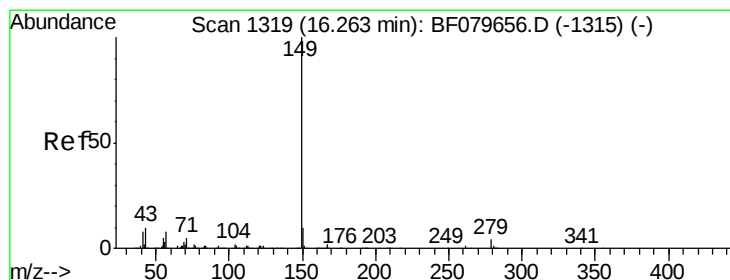
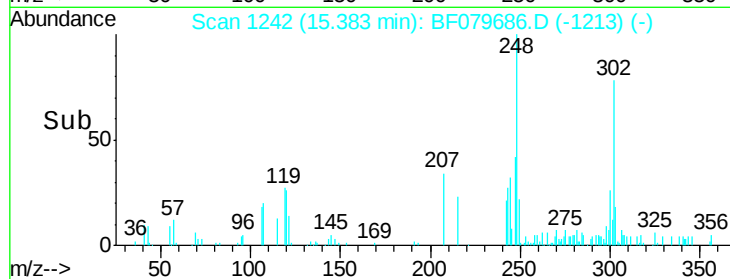
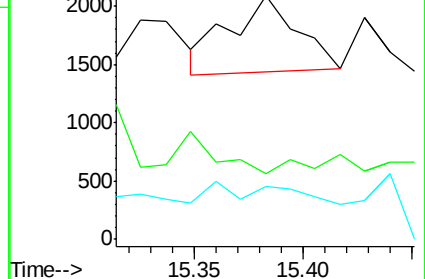
279 21.5 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 6.20 ng

RT: 16.21 min Scan# 1314

Delta R.T. -0.06 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

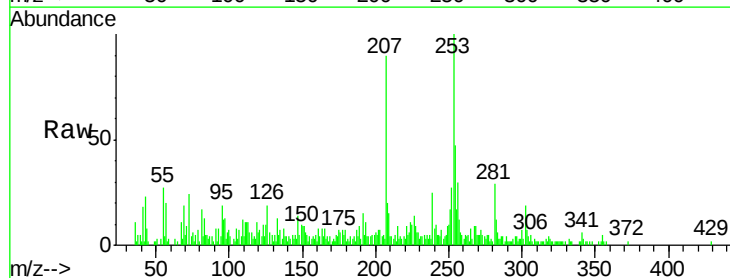
Tgt Ion:149 Resp: 1436

Ion Ratio Lower Upper

149 100

167 8.8 1.2 1.8#

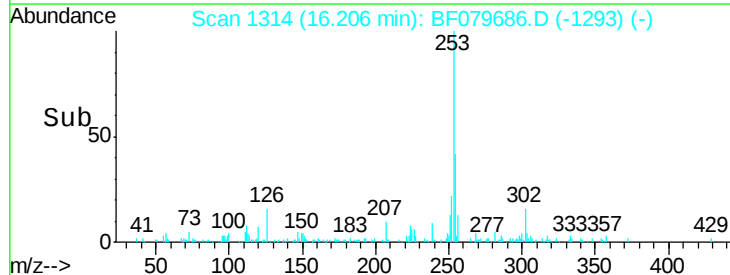
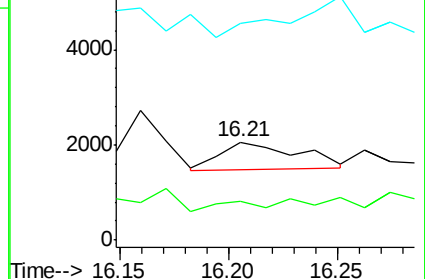
43 0.0 9.4 14.2#

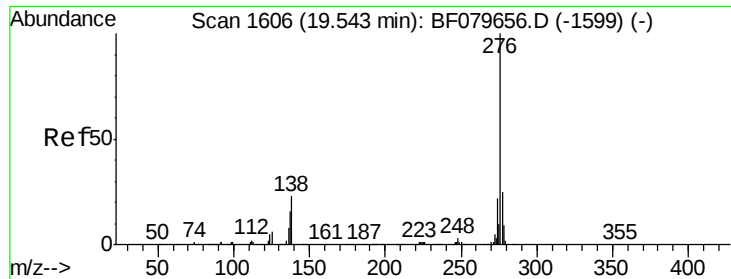


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 754.78 ng

RT: 19.66 min Scan# 1616

Delta R.T. 0.11 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

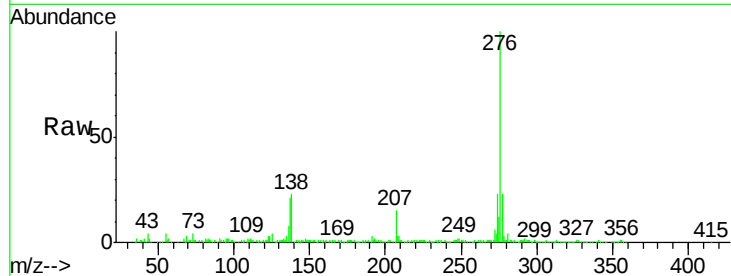
Tgt Ion:276 Resp: 313274

Ion Ratio Lower Upper

276 100

138 23.5 21.9 32.9

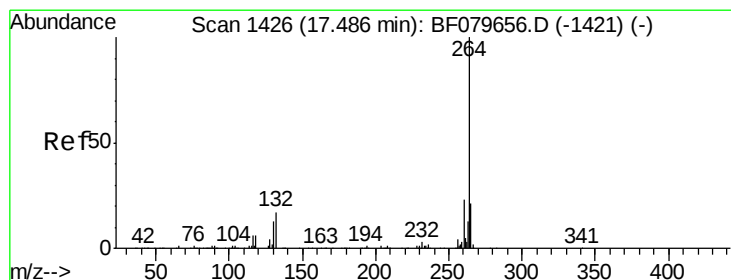
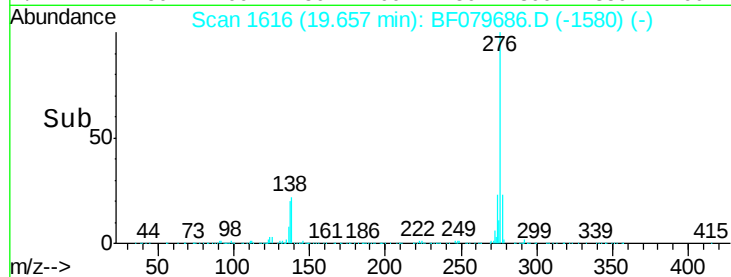
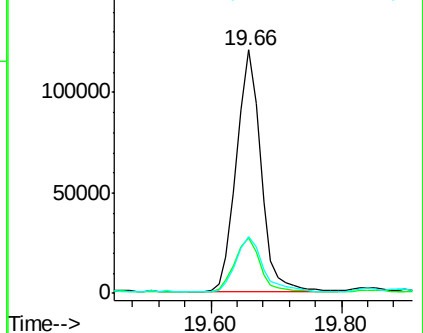
277 25.7 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.51 min Scan# 1428

Delta R.T. 0.02 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

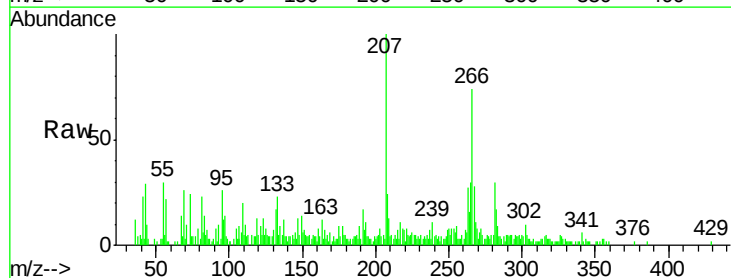
Tgt Ion:264 Resp: 3772

Ion Ratio Lower Upper

264 100

260 20.3 18.8 28.2

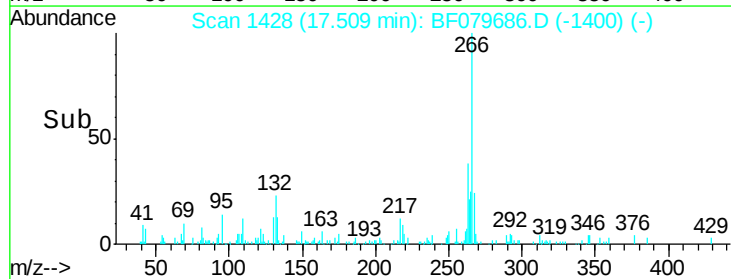
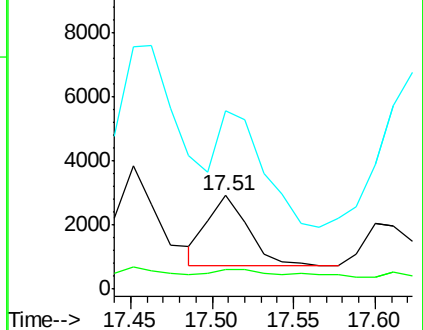
265 190.4 17.4 26.0#

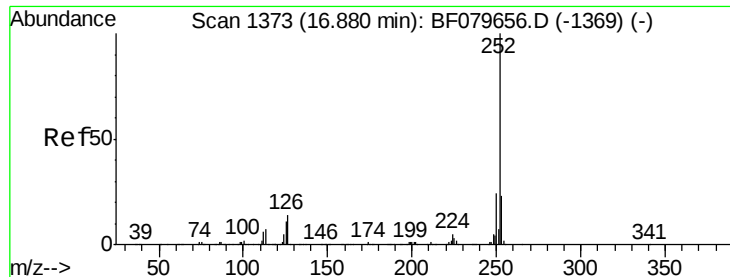


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3067.90 ng

RT: 16.94 min Scan# 1378

Delta R.T. 0.06 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampled :

SB-14D

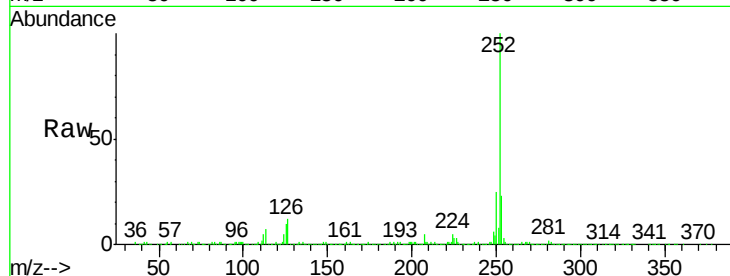
Tgt Ion:252 Resp: 597998

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

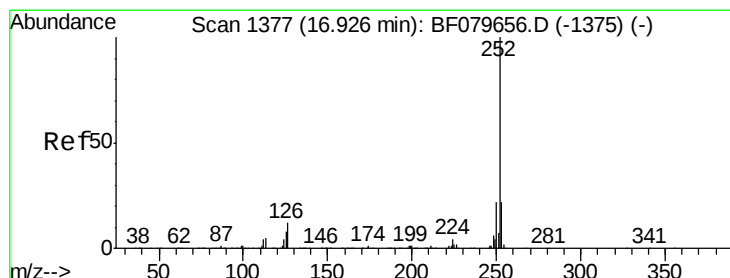
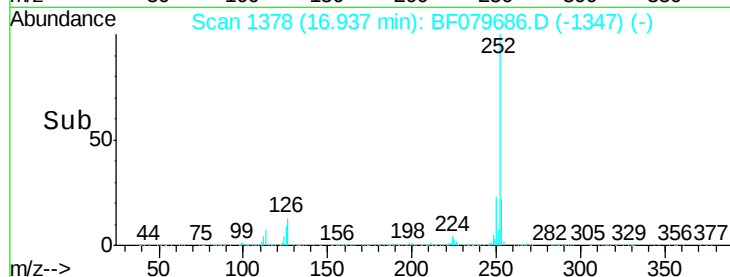
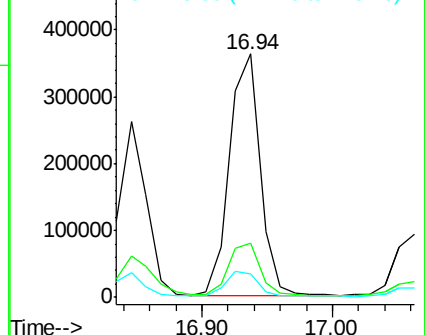
125 9.6 8.7 13.1



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



#88

Benzo(k)fluoranthene

Concen: 2622.12 ng

RT: 16.94 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

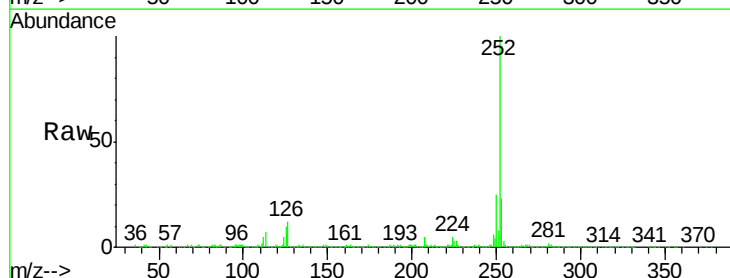
Tgt Ion:252 Resp: 598818

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

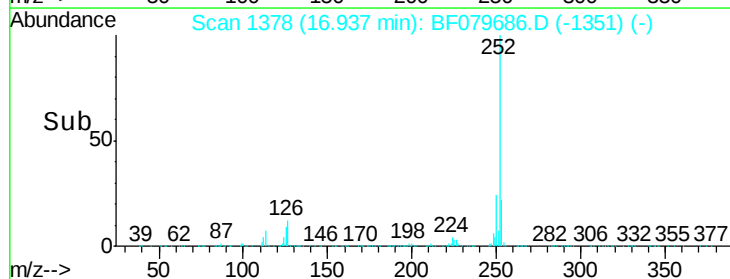
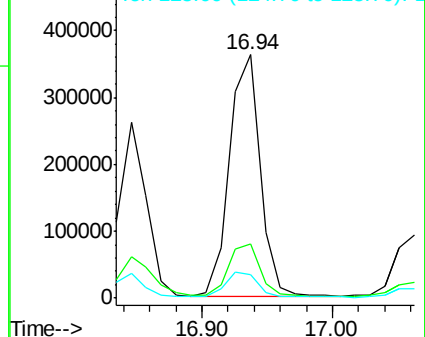
125 9.6 7.1 10.7

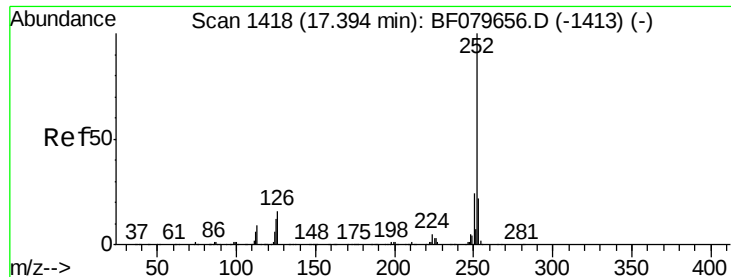


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.21 ng

RT: 17.41 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

ClientSampleId :

SB-14D

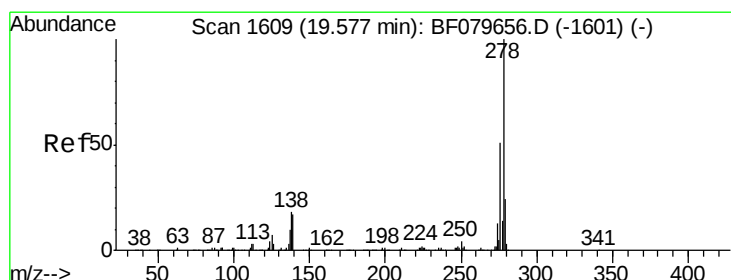
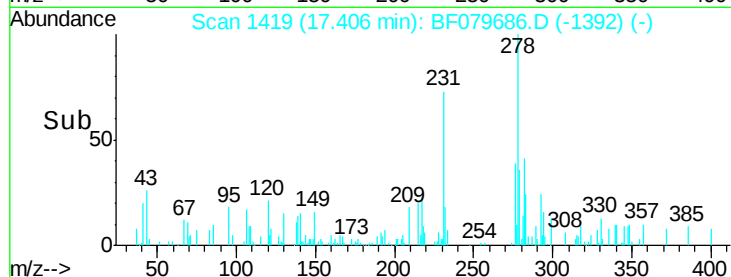
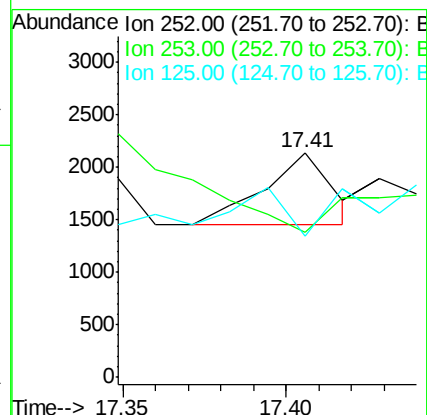
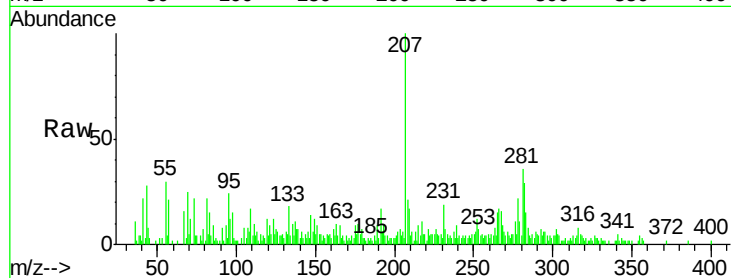
Tgt Ion:252 Resp: 993

Ion Ratio Lower Upper

252 100

253 64.3 17.9 26.9#

125 62.6 9.4 14.0#



#90

Dibenzo(a,h)anthracene

Concen: 47.23 ng

RT: 19.66 min Scan# 1616

Delta R.T. 0.08 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

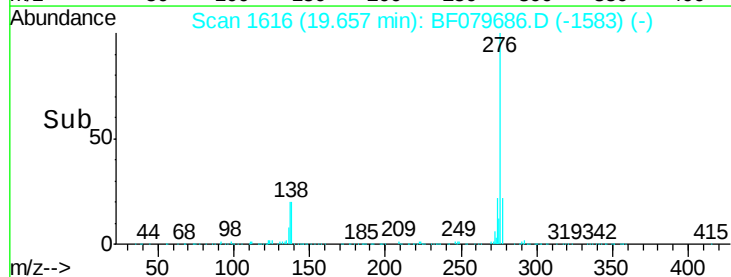
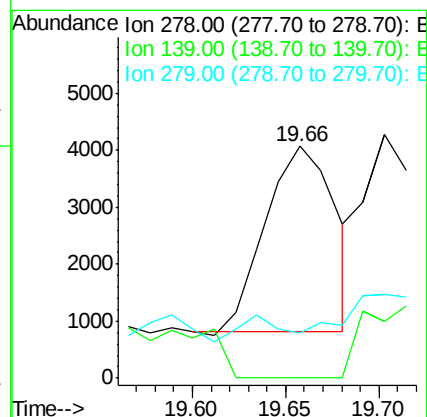
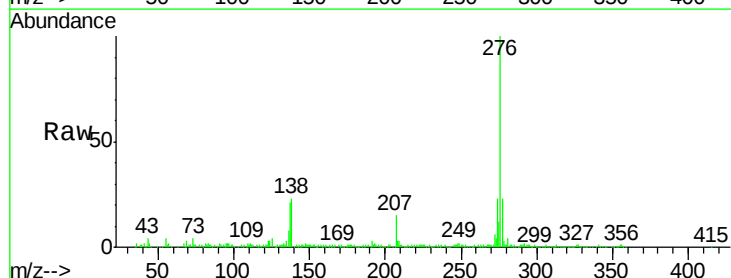
Tgt Ion:278 Resp: 8434

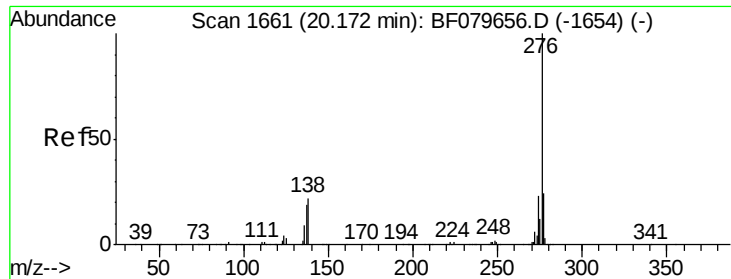
Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

279 19.6 19.6 29.4





#91
 Benzo(g,h,i)perylene
 Concen: 370.44 ng
 RT: 19.98 min Scan# 1644
 Delta R.T. -0.19 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.6	19.1	28.7
138	29.7	17.4	26.0

