

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079683.D
 Acq On : 4 Jun 2015 3:02
 Operator : TP/IZ
 Sample : G2408-21
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

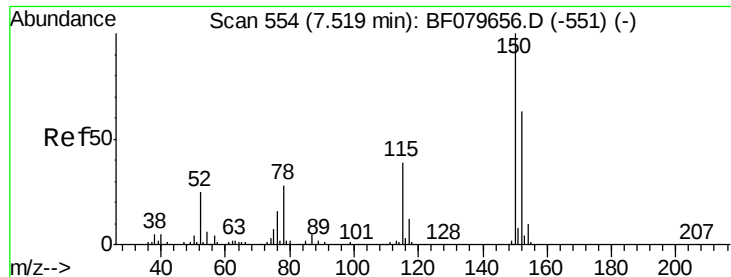
Instrument :
 BNA_F
 ClientSampleId :
 SB-16D

Quant Time: Jun 04 04:37:05 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	83588	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	320336	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	153823	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	317415	20.00	ng	-0.03
75) Chrysene-d12	15.35	240	6721	20.00	ng	-0.03
86) Perylene-d12	17.46	264	3566	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	566491	122.76	ng	0.00
7) Phenol-d6	7.11	99	712772	118.50	ng	0.00
23) Nitrobenzene-d5	8.07	82	357212	66.74	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	144782	114.04	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	825867	80.97	ng	0.00
78) Terphenyl-d14	13.77	244	1004014	4008.75	ng	-0.18
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	13157	3.75	ng	97
19) n-Nitroso-di-n-propylamine	8.07	70	45947	11.09	ng	# 87
25) Isophorone	8.07	82	354734	32.49	ng	# 65
49) Dimethylphthalate	10.27	163	128118	11.37	ng	97
51) Acenaphthene	10.63	154	19166	2.05	ng	94
55) 4-Nitrophenol	10.80	139	4032	2.26	ng	# 18
56) 2,4-Dinitrotoluene	10.75	165	632	2.57	ng	# 30
57) Fluorene	11.14	166	25198	2.28	ng	97
66) 4-Bromophenyl-phenylether	11.38	248	10683	3.35	ng	# 1
70) Phenanthrene	12.12	178	528747	30.13	ng	100
71) Anthracene	12.18	178	166675	9.44	ng	97
74) Fluoranthene	13.38	202	1410111	74.52	ng	94
76) Benzidine	13.61	184	510	3.34	ng	# 1
77) Pyrene	13.63	202	1229306	3176.66	ng	99
79) Butylbenzylphthalate	14.51	149	274	3.61	ng	# 44
80) Benzo(a)anthracene	15.15	228	78223	212.82	ng	# 59
81) 3,3'-Dichlorobenzidine	15.22	252	946	8.62	ng	# 72
82) Chrysene	15.49	228	5959	16.12	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.28	149	2186	12.47	ng	# 59
84) Di-n-octyl phthalate	16.22	149	1092	5.65	ng	# 72
85) Indeno(1,2,3-cd)pyrene	19.60	276	341322	943.86	ng	95
87) Benzo(b)fluoranthene	16.88	252	613825	3331.01	ng	99
88) Benzo(k)fluoranthene	16.88	252	612864	2838.65	ng	# 96
89) Benzo(a)pyrene	17.35	252	3954	21.94	ng	# 1
90) Dibenzo(a,h)anthracene	19.60	278	7922	46.92	ng	# 73
91) Benzo(g,h,i)perylene	19.92	276	82457	460.47	ng	# 85

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

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Data File : BF079683.D  
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Operator  : TP/IZ  
Sample    : G2408-21  
Misc      :  
ALS Vial  : 29 Sample Multiplier: 1
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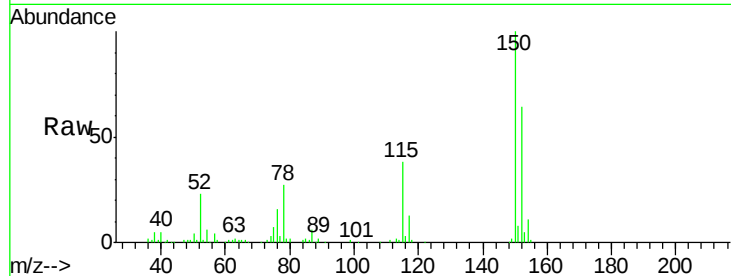


#1

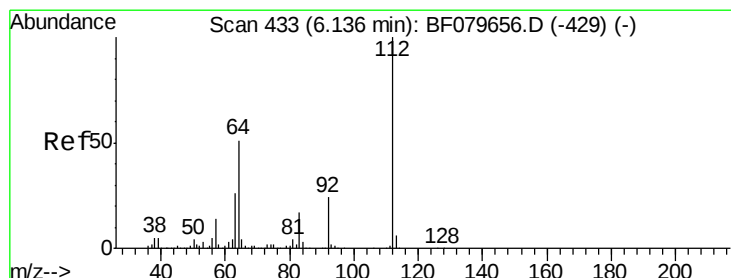
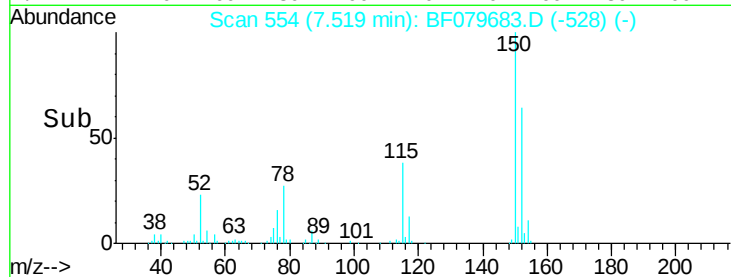
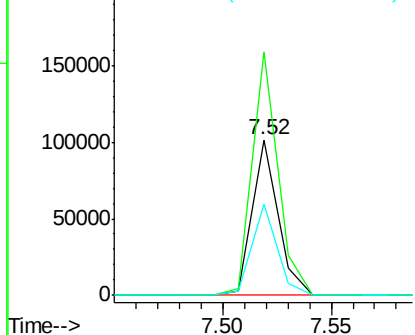
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tgt Ion:152 Resp: 83588
Ion Ratio Lower Upper
152 100
150 156.1 126.7 190.1
115 58.9 49.2 73.8



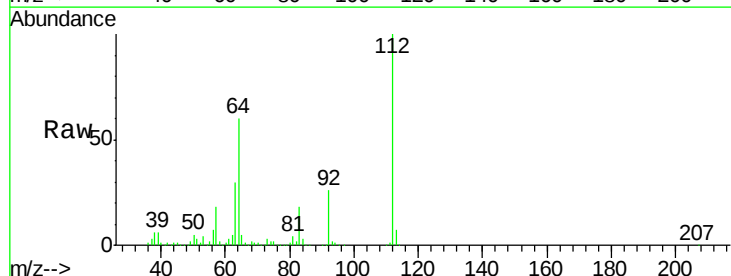
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



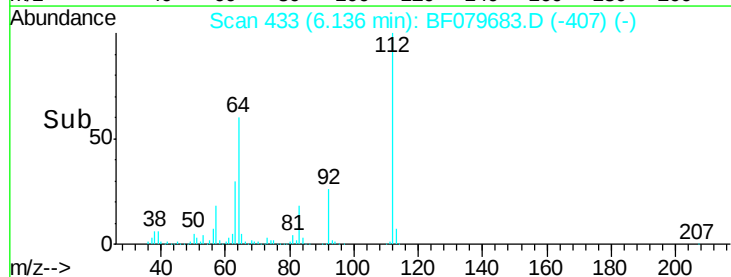
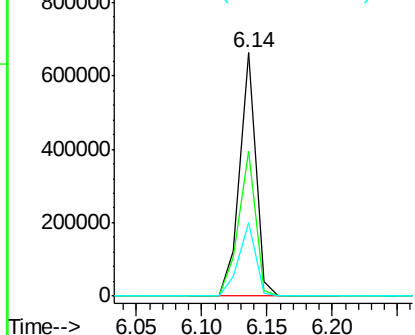
#5

2-Fluorophenol
Concen: 122.76 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:112 Resp: 566491
Ion Ratio Lower Upper
112 100
64 59.6 41.1 61.7
63 29.9 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: 118.50 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

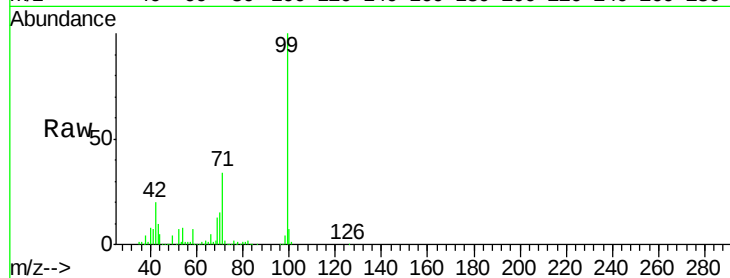
Tgt Ion: 99 Resp: 712772

Ion Ratio Lower Upper

99 100

42 20.4 15.2 22.8

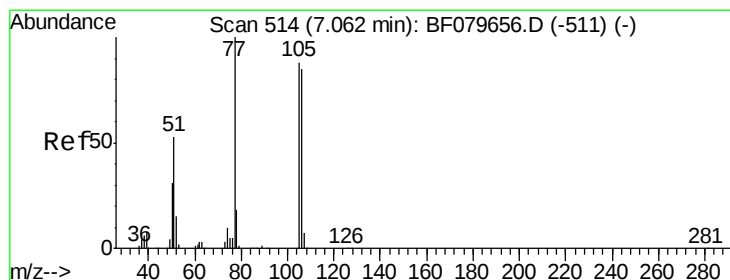
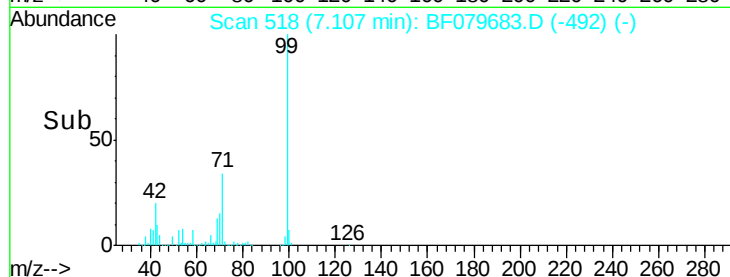
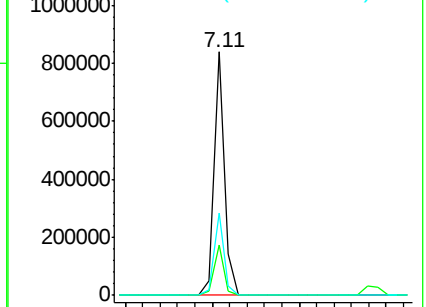
71 33.6 25.9 38.9



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: 3.75 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

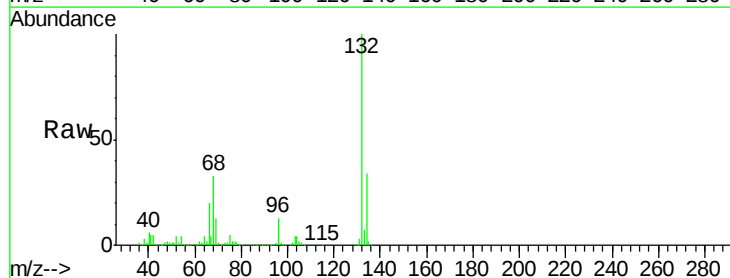
Tgt Ion: 77 Resp: 13157

Ion Ratio Lower Upper

77 100

105 87.5 68.2 108.2

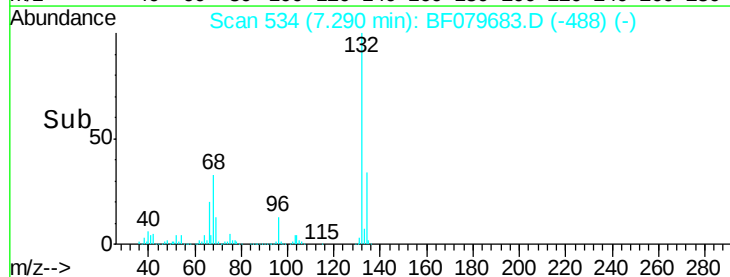
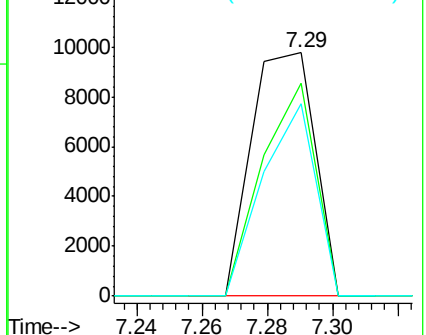
106 79.3 64.9 104.9

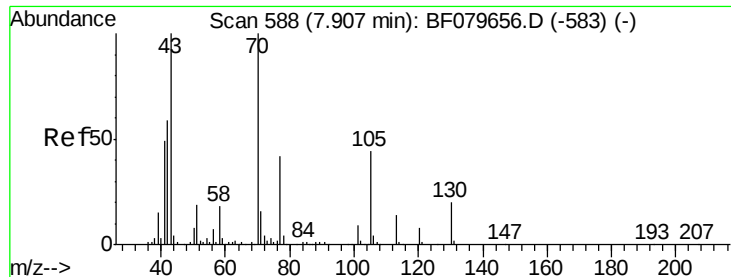


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

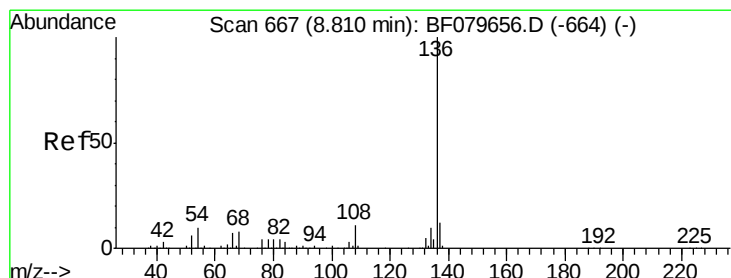
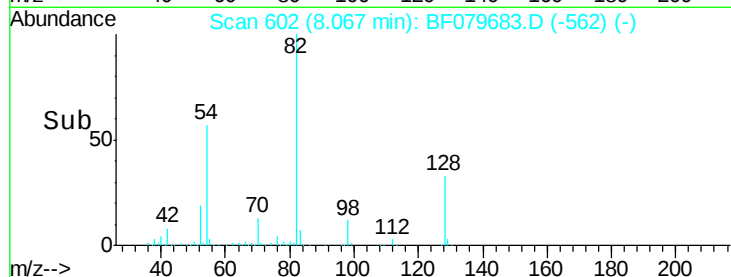
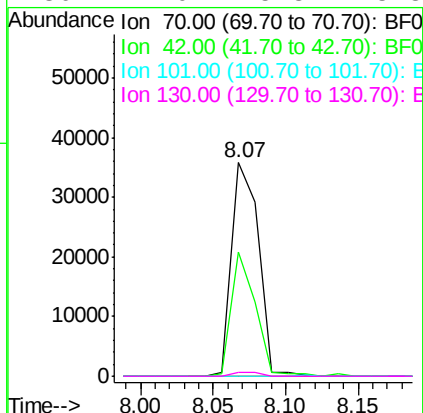
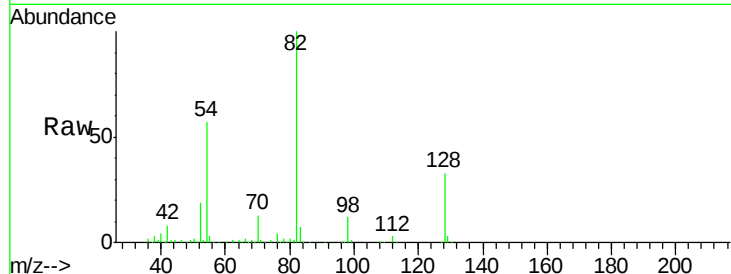




#19
n-Nitroso-di-n-propylamine
Concen: 11.09 ng
RT: 8.07 min Scan# 602
Delta R.T. 0.16 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

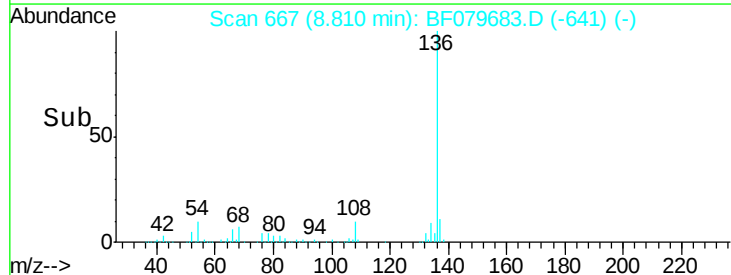
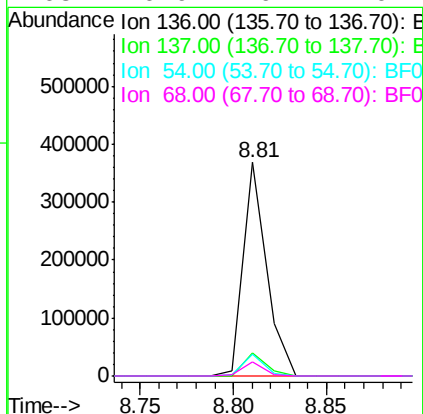
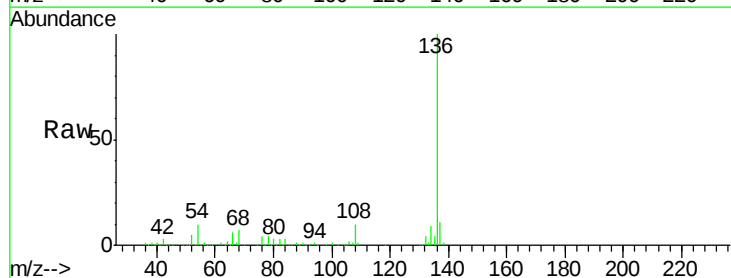
Instrument :
BNA_F
ClientSampleId :
SB-16D

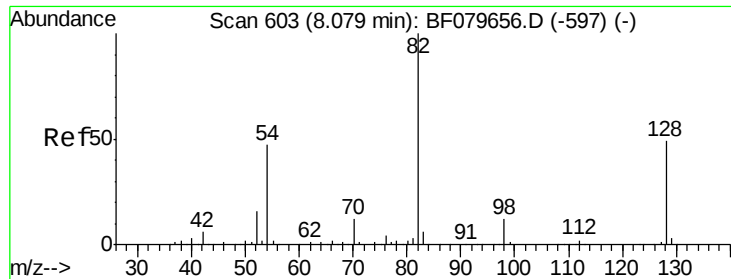
Tgt Ion: 70 Resp: 45947
Ion Ratio Lower Upper
70 100
42 57.9 47.7 71.5
101 0.0 7.4 11.0#
130 2.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion: 136 Resp: 320336
Ion Ratio Lower Upper
136 100
137 10.7 9.3 13.9
54 9.9 8.3 12.5
68 6.9 6.1 9.1

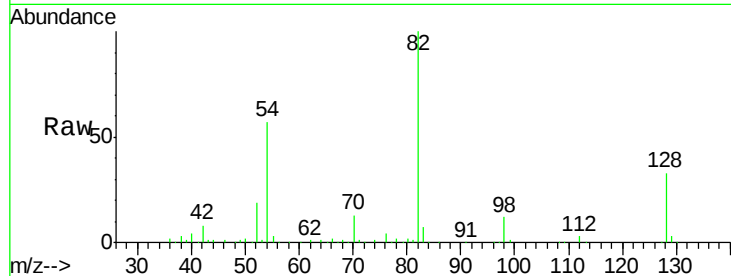




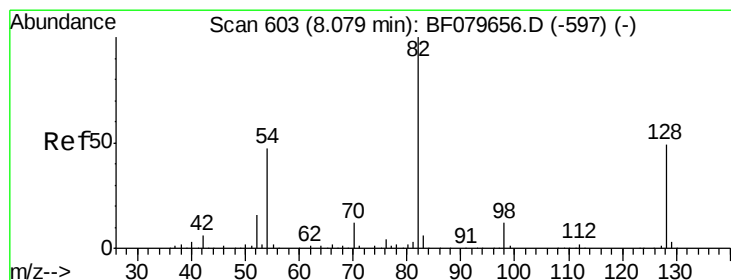
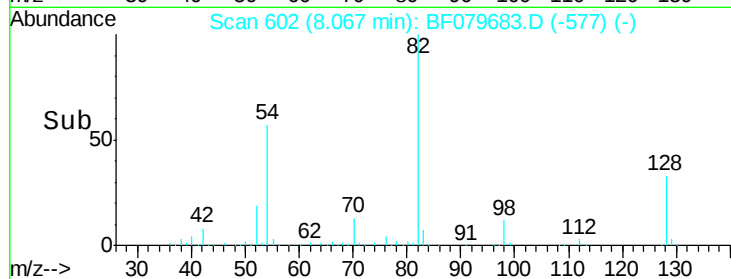
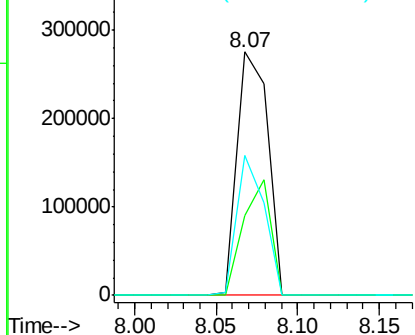
#23
 Nitrobenzene-d5
 Concen: 66.74 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Instrument :
 BNA_F
 ClientSampled :
 SB-16D

Tgt Ion: 82 Resp: 357212
 Ion Ratio Lower Upper
 82 100
 128 32.9 39.4 59.0#
 54 57.3 37.4 56.0#

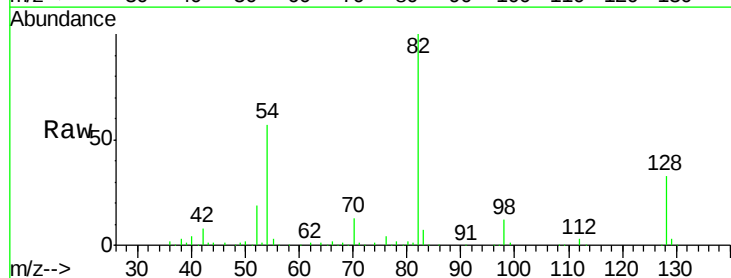


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

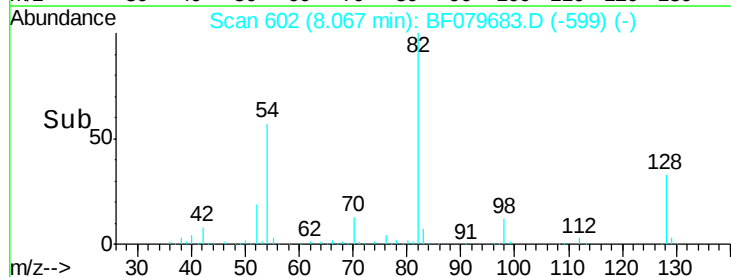
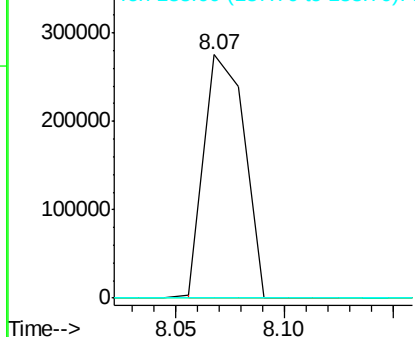


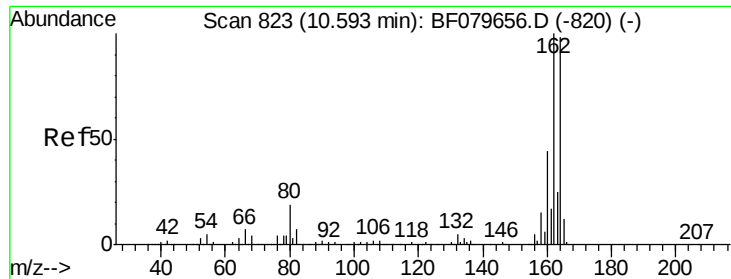
#25
 Isophorone
 Concen: 32.49 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.26 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Tgt Ion: 82 Resp: 354734
 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

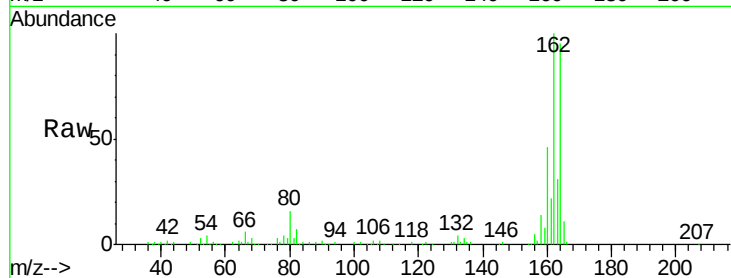




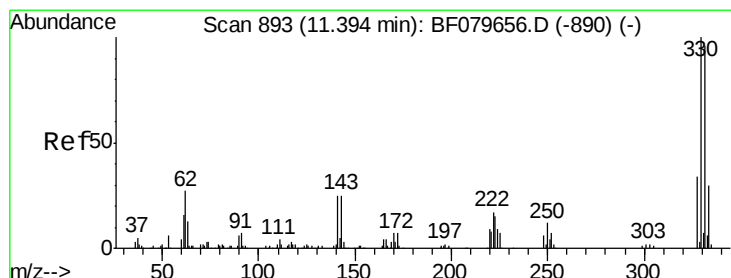
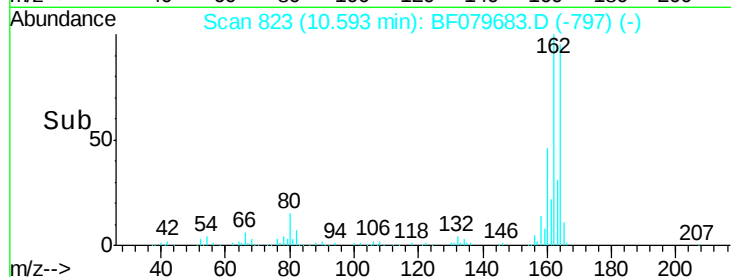
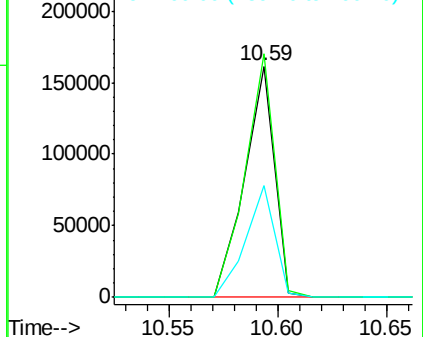
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tgt Ion:164 Resp: 153823
Ion Ratio Lower Upper
164 100
162 105.4 82.0 123.0
160 48.6 35.9 53.9

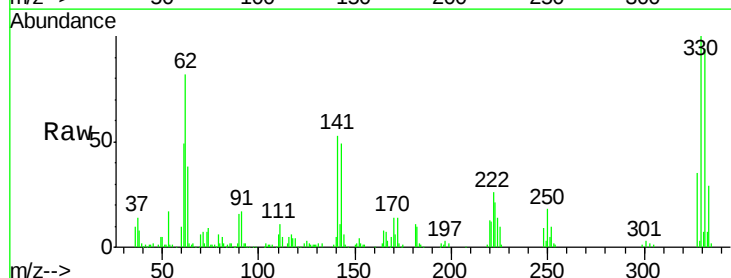


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

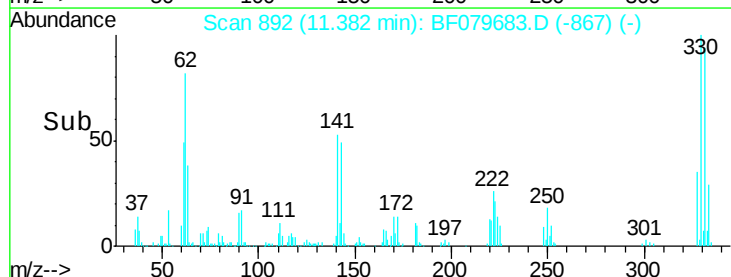
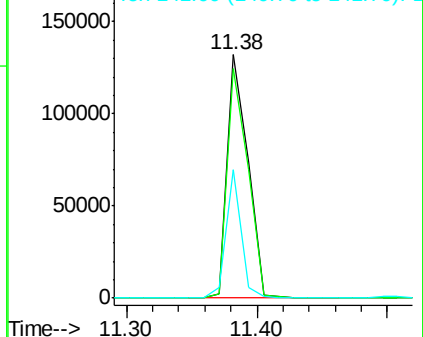


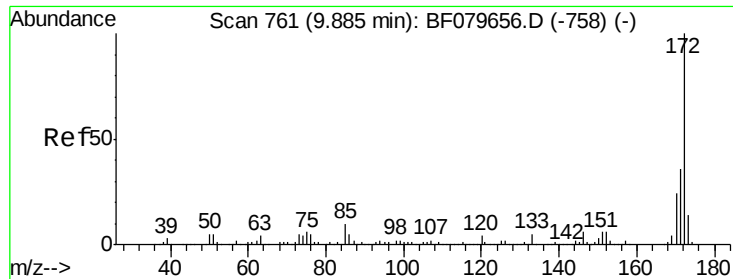
#41
2,4,6-Tribromophenol
Concen: 114.04 ng
RT: 11.38 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:330 Resp: 144782
Ion Ratio Lower Upper
330 100
332 94.4 77.3 115.9
141 39.0 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

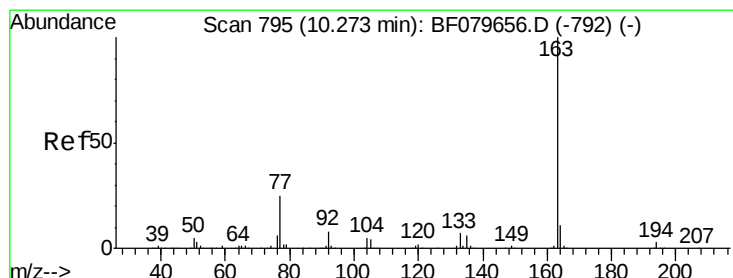
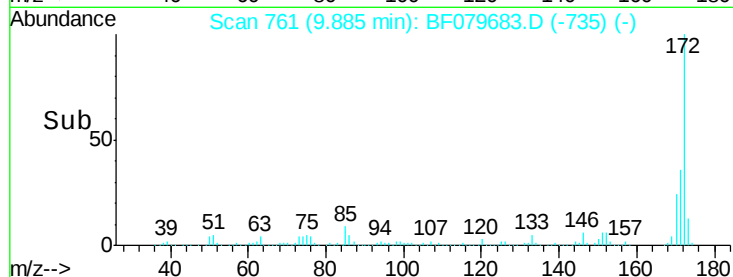
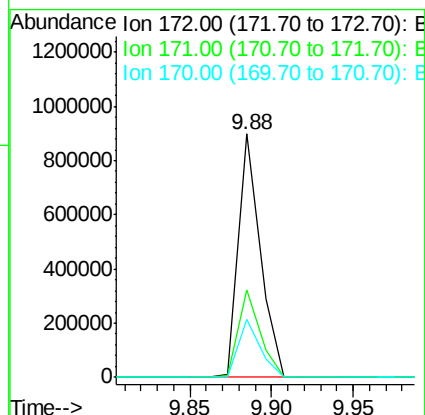
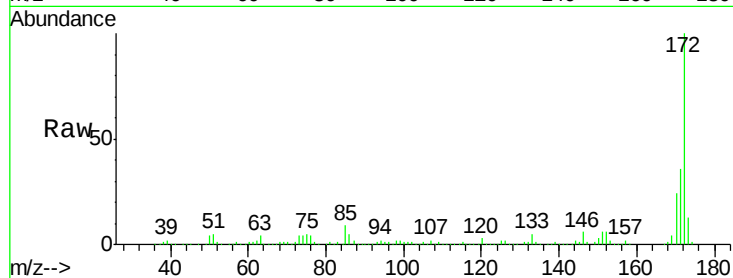




#44
2-Fluorobiphenyl
Concen: 80.97 ng
RT: 9.88 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

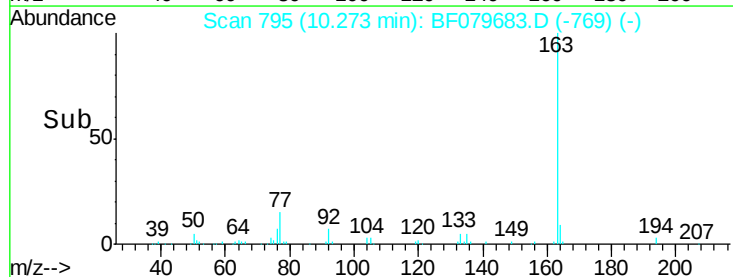
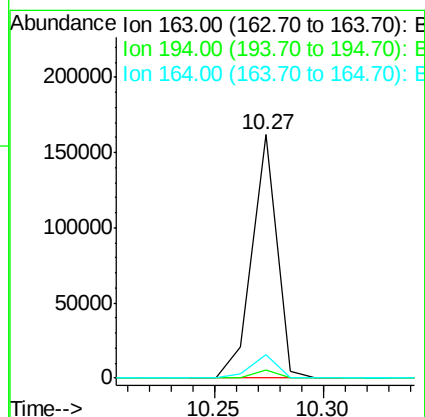
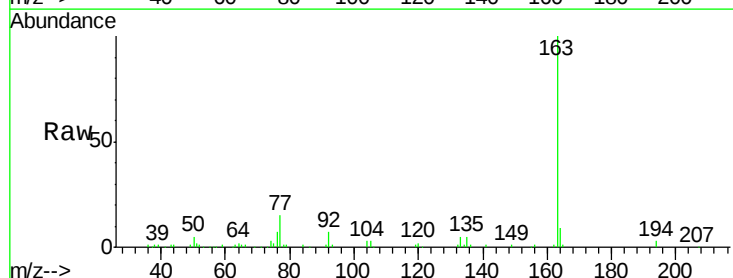
Instrument :
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SB-16D

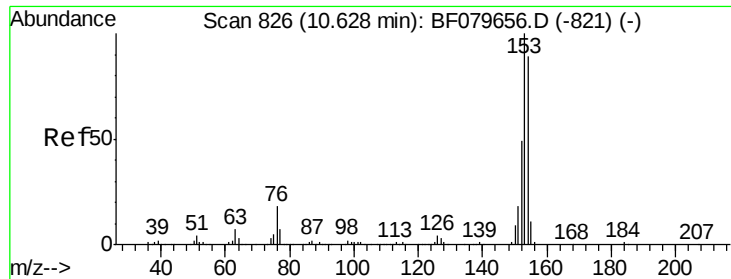
Tgt Ion:172 Resp: 825867
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 19.2 28.8



#49
Dimethylphthalate
Concen: 11.37 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:163 Resp: 128118
Ion Ratio Lower Upper
163 100
194 3.5 2.6 3.8
164 9.5 8.6 12.8





#51

Acenaphthene

Concen: 2.05 ng

RT: 10.63 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

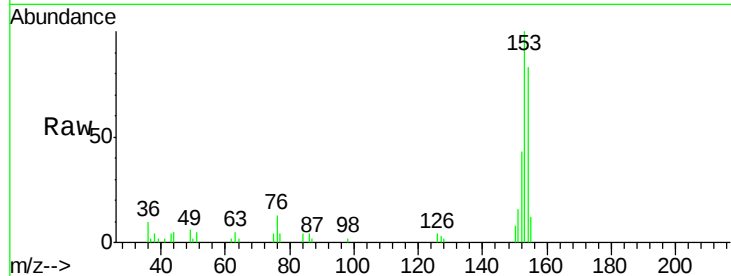
Tgt Ion:154 Resp: 19166

Ion Ratio Lower Upper

154 100

153 120.0 89.8 134.6

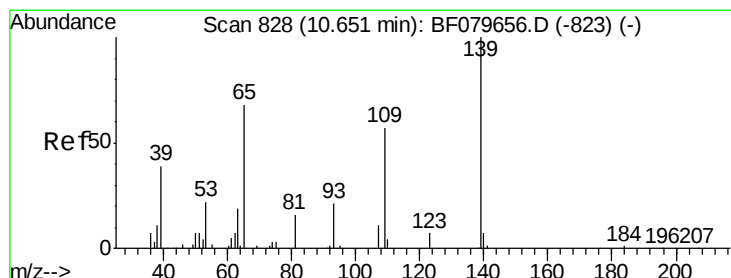
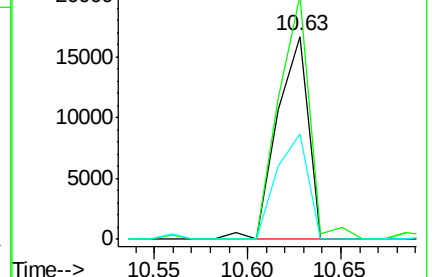
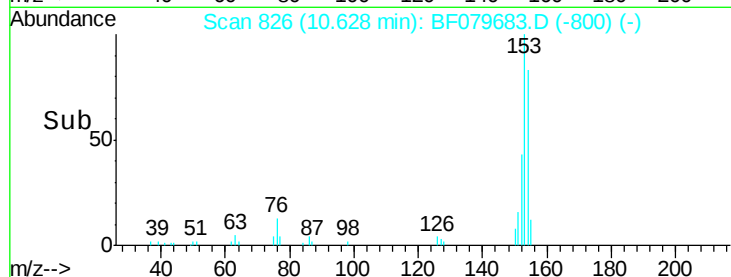
152 51.9 43.8 65.8



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



#55

4-Nitrophenol

Concen: 2.26 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.15 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

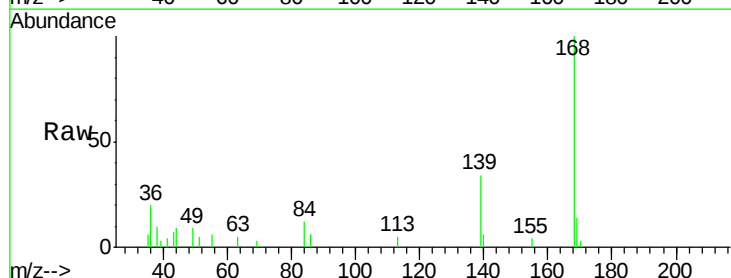
Tgt Ion:139 Resp: 4032

Ion Ratio Lower Upper

139 100

109 0.0 37.1 77.1#

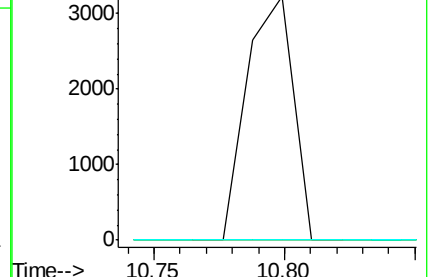
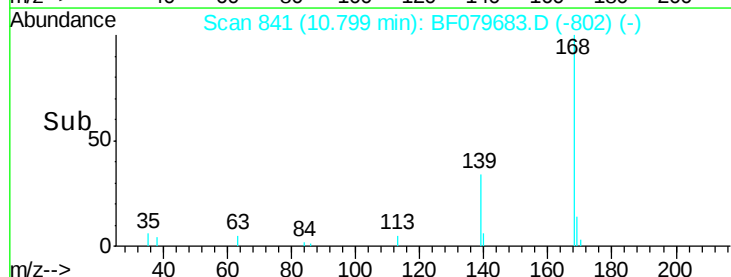
65 0.0 49.2 89.2#

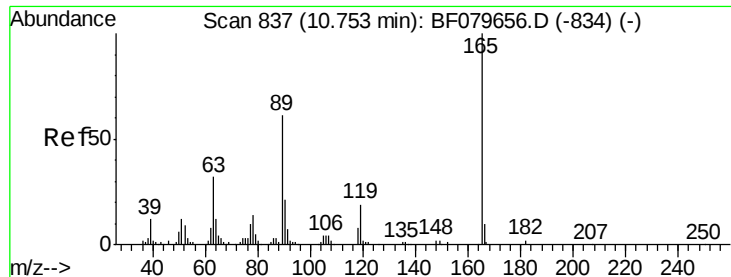


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

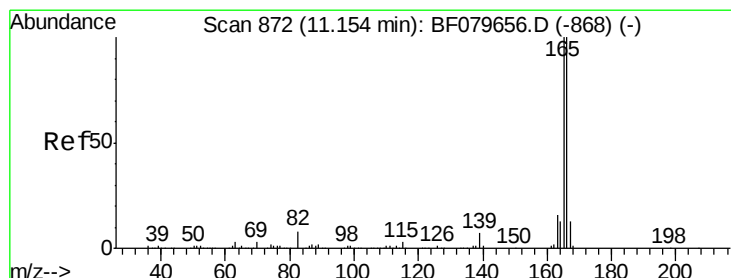
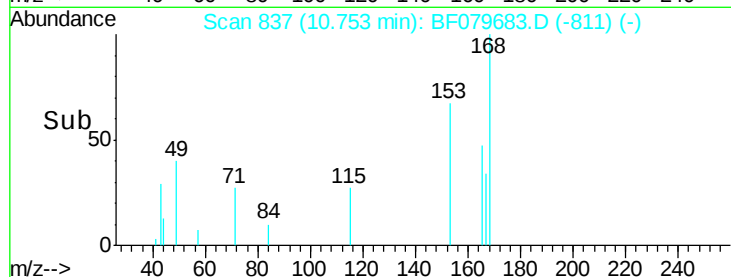
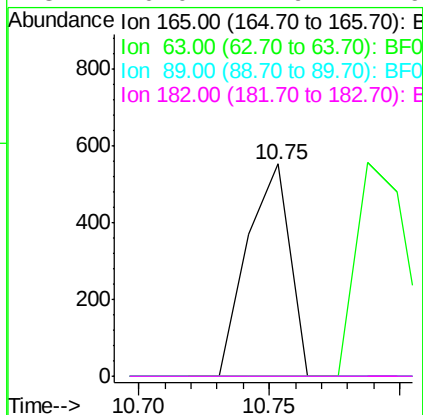
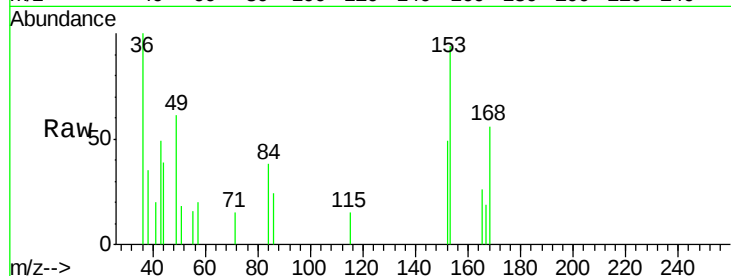




#56
2,4-Dinitrotoluene
Concen: 2.57 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

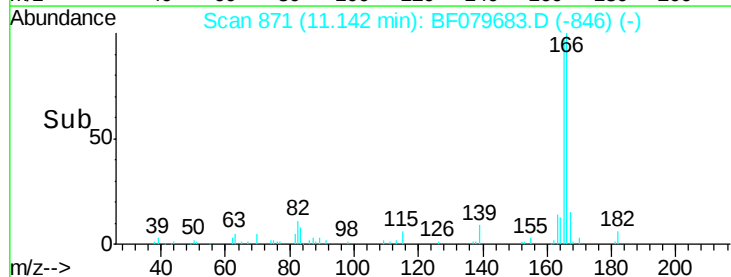
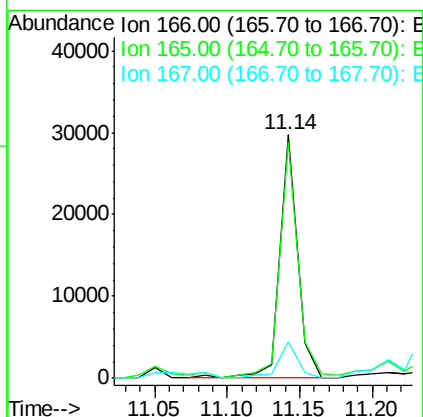
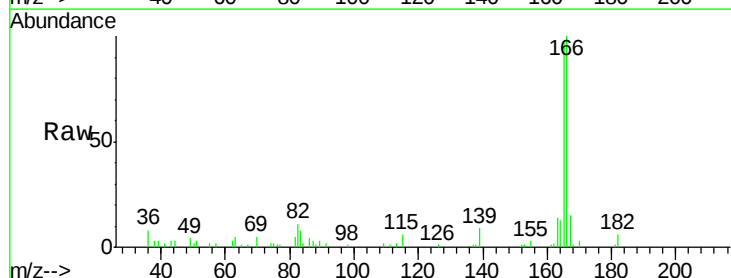
Instrument :
BNA_F
ClientSampleId :
SB-16D

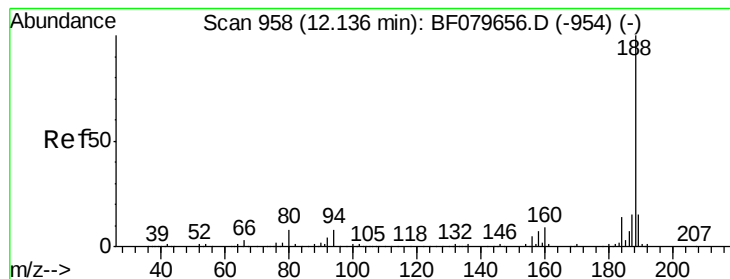
Tgt Ion:165 Resp: 632
Ion Ratio Lower Upper
165 100
63 0.0 25.5 38.3#
89 0.0 48.5 72.7#
182 0.0 1.9 2.9#



#57
Fluorene
Concen: 2.28 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:166 Resp: 25198
Ion Ratio Lower Upper
166 100
165 97.1 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: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampled :

SB-16D

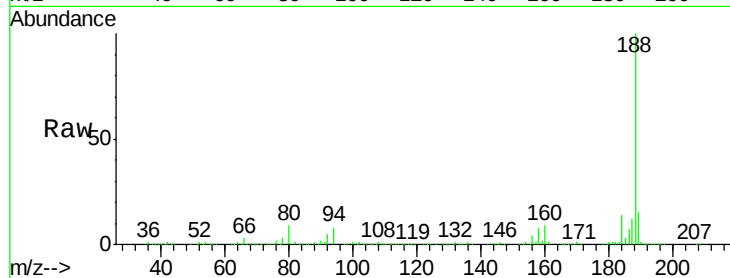
Tgt Ion:188 Resp: 317415

Ion Ratio Lower Upper

188 100

94 8.4 6.1 9.1

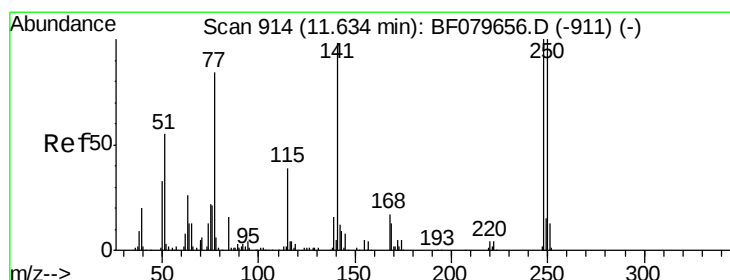
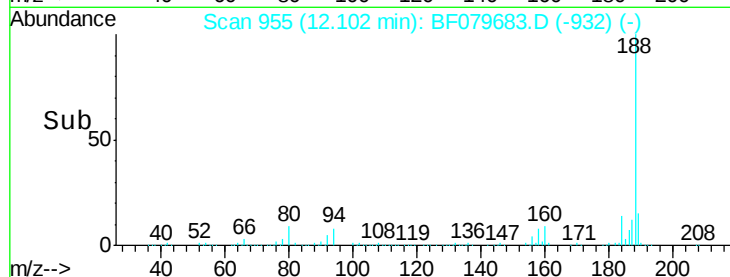
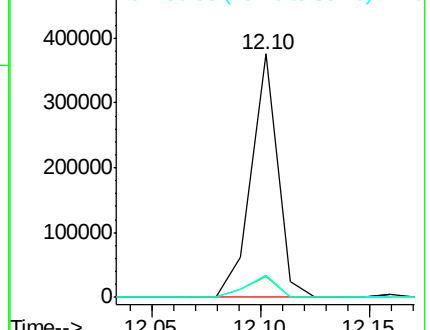
80 9.1 6.2 9.2



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: 3.35 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

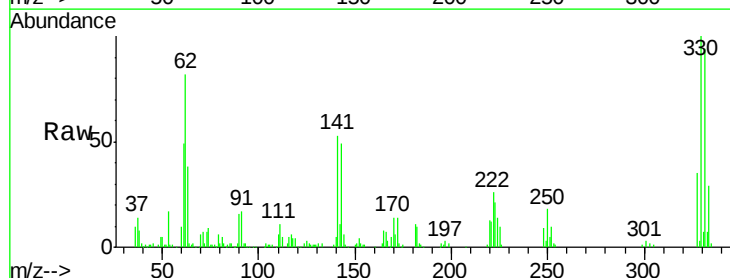
Tgt Ion:248 Resp: 10683

Ion Ratio Lower Upper

248 100

250 198.4 80.0 120.0#

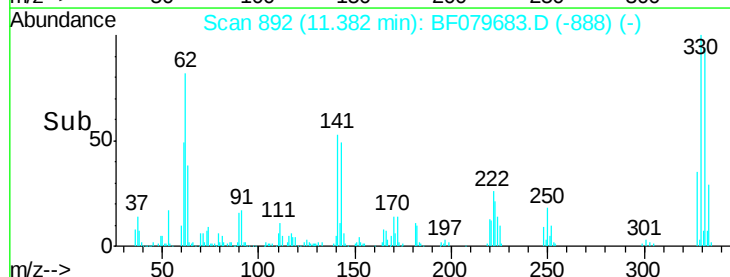
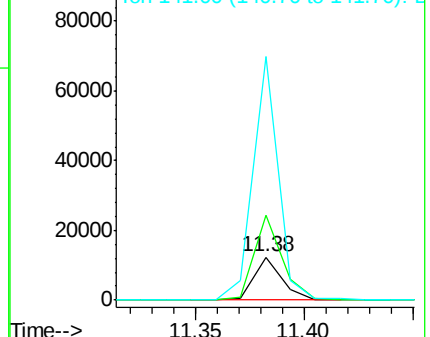
141 569.5 78.8 118.2#

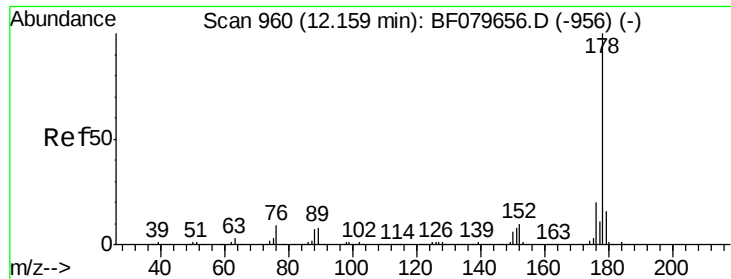


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 30.13 ng

RT: 12.12 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

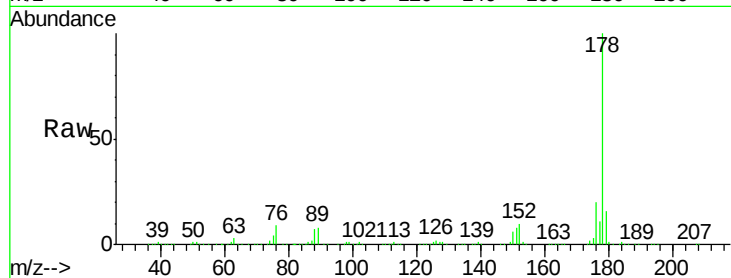
Tgt Ion:178 Resp: 528747

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

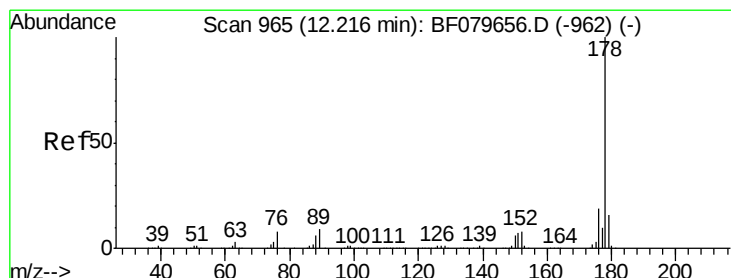
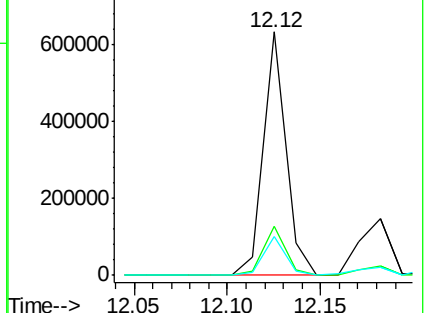
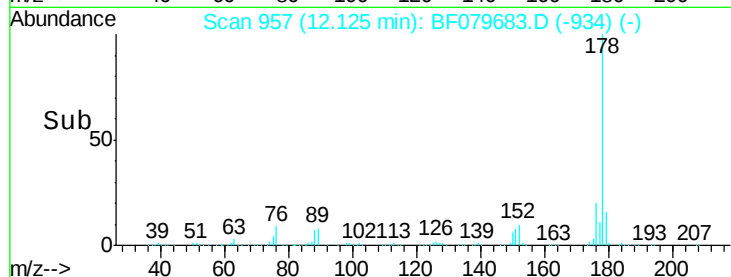
179 16.1 12.7 19.1



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: 9.44 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

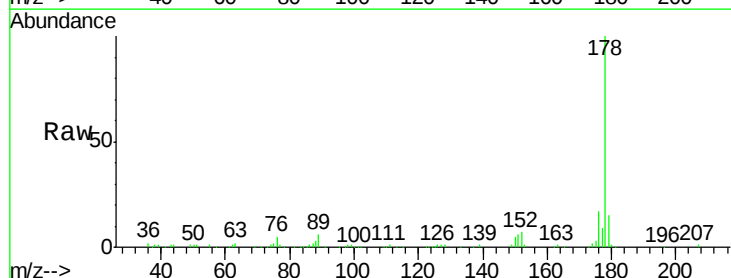
Tgt Ion:178 Resp: 166675

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

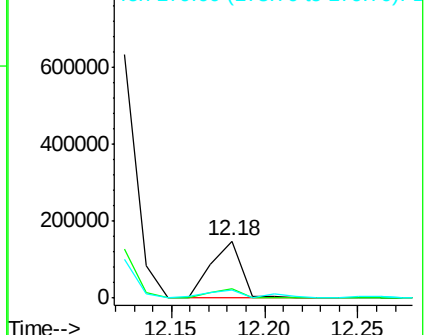
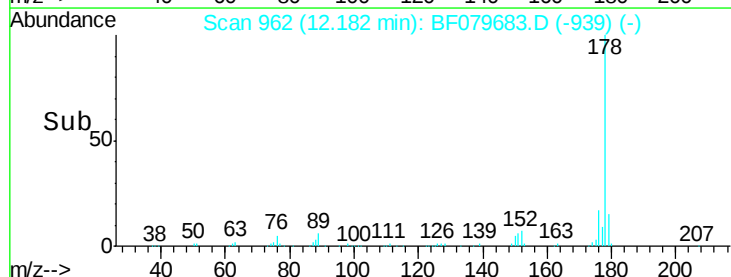
179 14.9 12.6 19.0

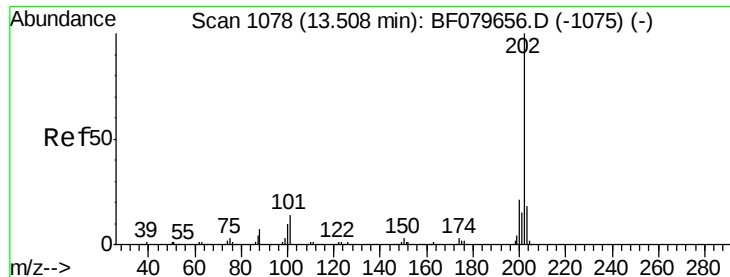


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 74.52 ng

RT: 13.38 min Scan# 1067

Delta R.T. -0.13 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

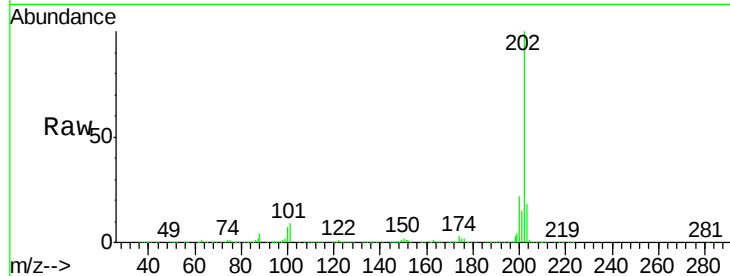
Tgt Ion:202 Resp: 1410111

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.0

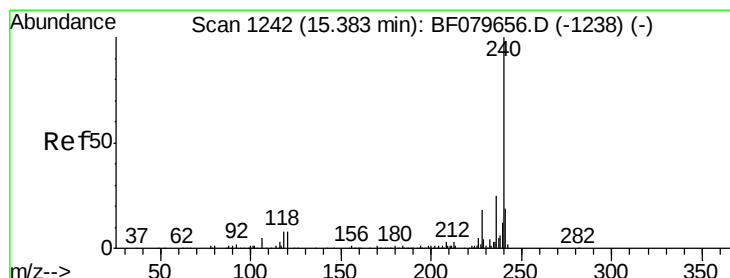
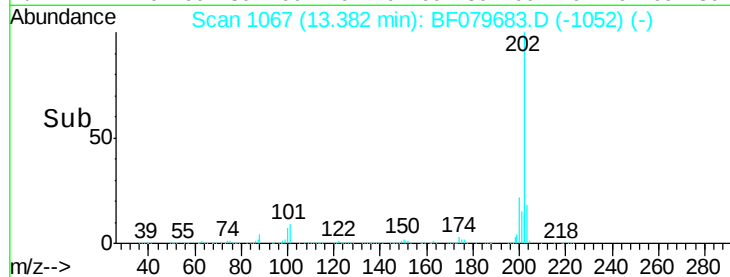
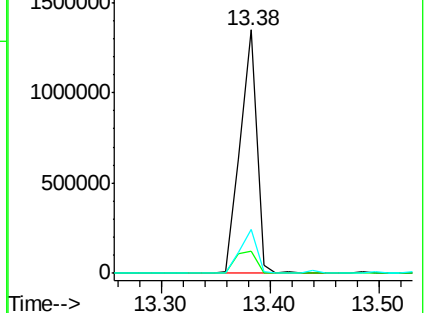
203 18.1 0.0 37.9



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: 15.35 min Scan# 1239

Delta R.T. -0.03 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

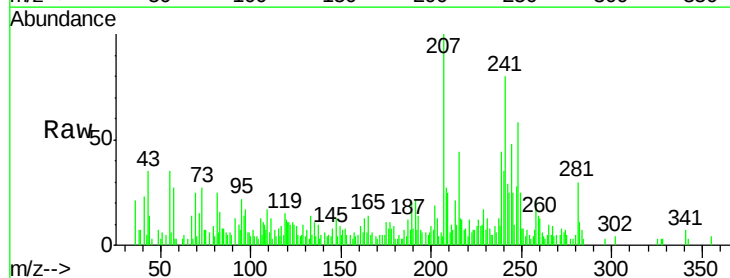
Tgt Ion:240 Resp: 6721

Ion Ratio Lower Upper

240 100

120 31.7 6.4 9.6#

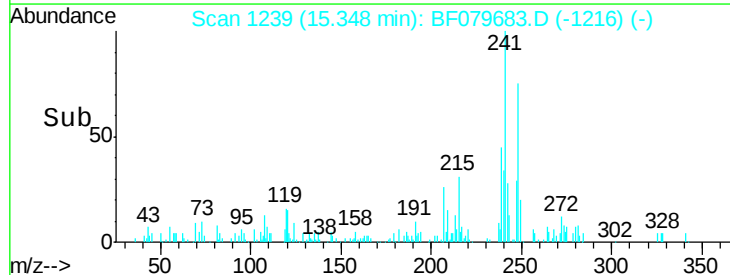
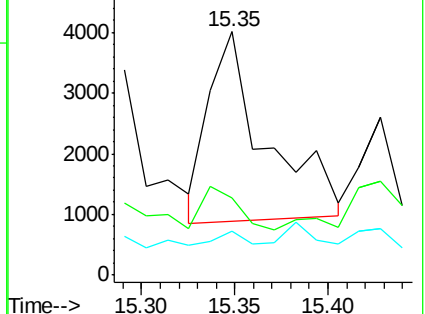
236 18.0 20.2 30.4#

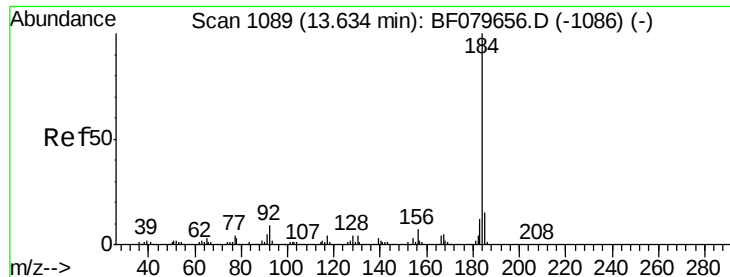


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.34 ng

RT: 13.61 min Scan# 1087

Delta R.T. -0.02 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

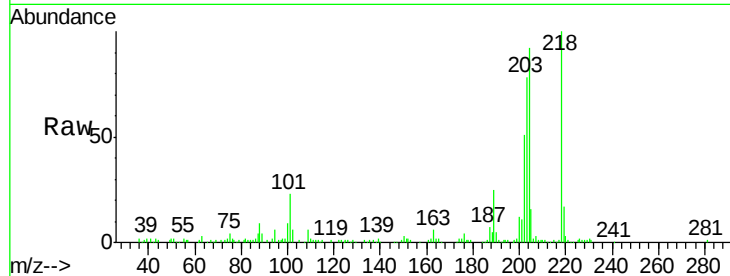
Tgt Ion:184 Resp: 510

Ion Ratio Lower Upper

184 100

185 107.4 11.8 17.6#

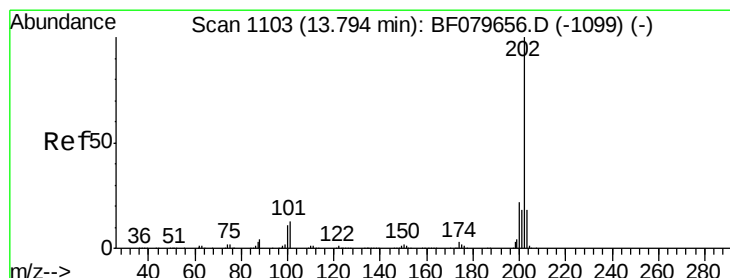
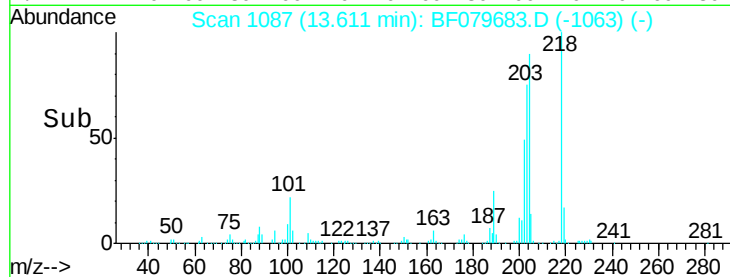
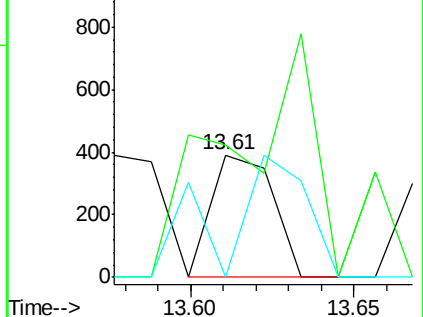
183 0.0 9.2 13.8#



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: 3176.66 ng

RT: 13.63 min Scan# 1089

Delta R.T. -0.16 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

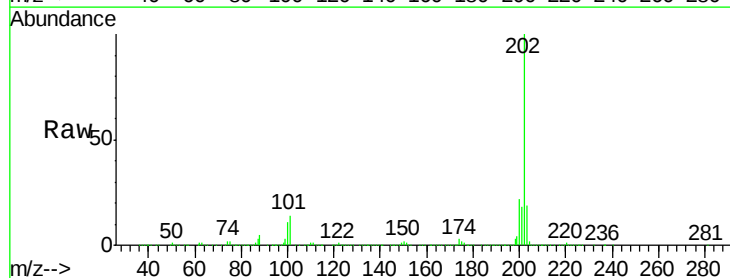
Tgt Ion:202 Resp: 1229306

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.0

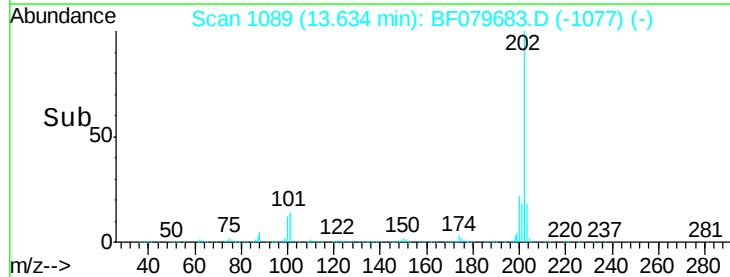
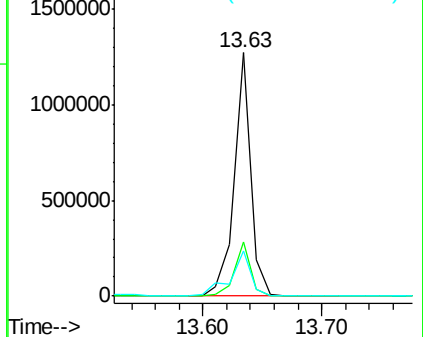
203 18.6 14.5 21.7

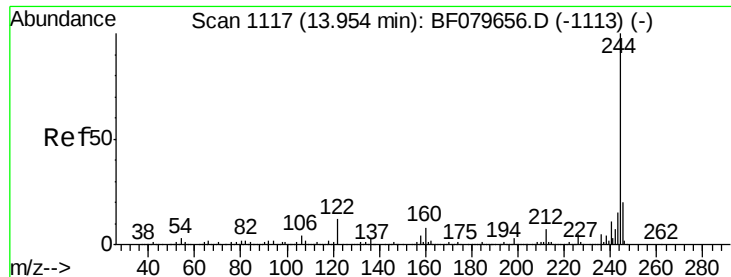


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4008.75 ng

RT: 13.77 min Scan# 1101

Delta R.T. -0.18 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampled :

SB-16D

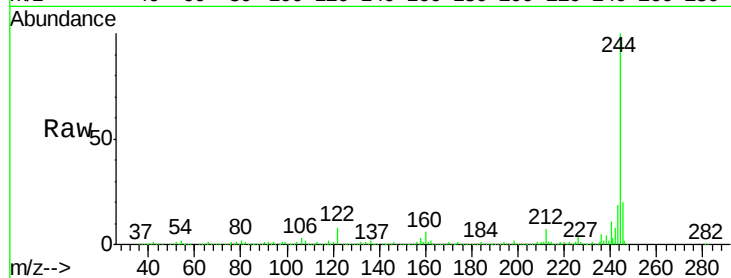
Tgt Ion:244 Resp: 1004014

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

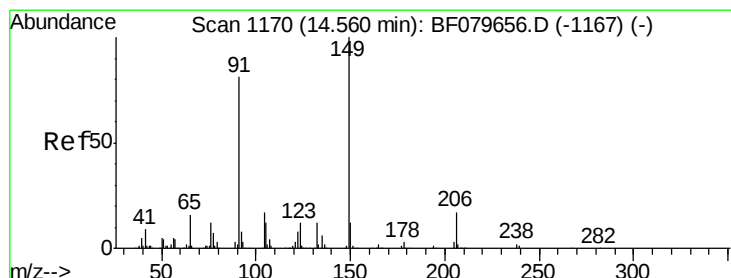
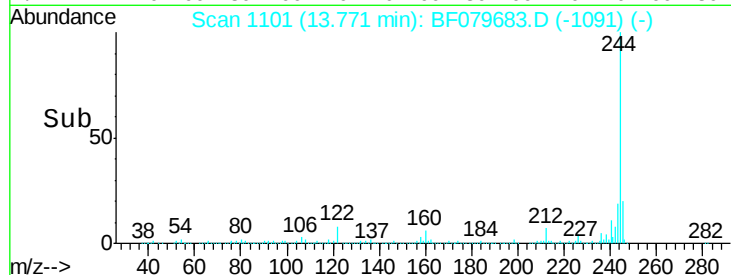
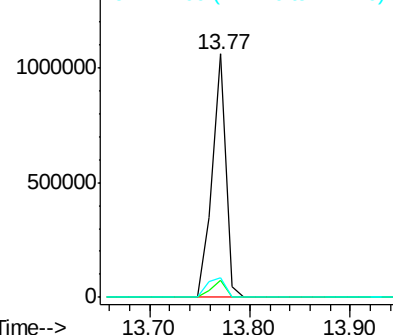
122 8.3 9.8 14.6#



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: 3.61 ng

RT: 14.51 min Scan# 1166

Delta R.T. -0.05 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

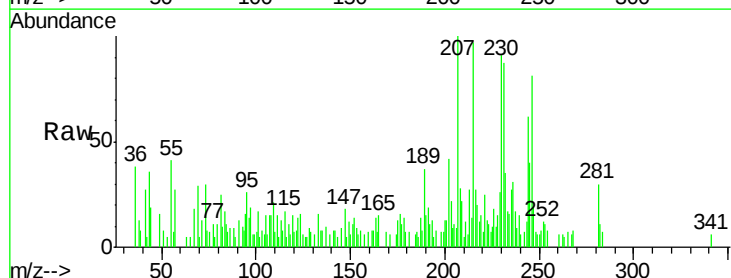
Tgt Ion:149 Resp: 274

Ion Ratio Lower Upper

149 100

91 114.1 64.4 96.6#

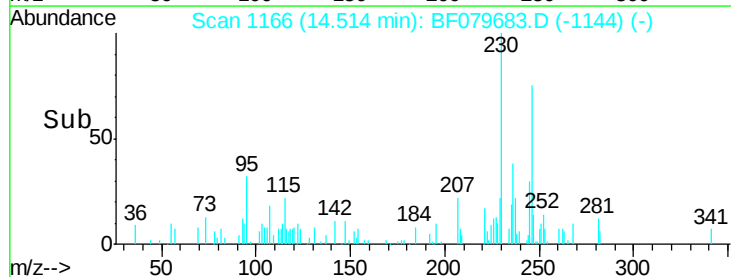
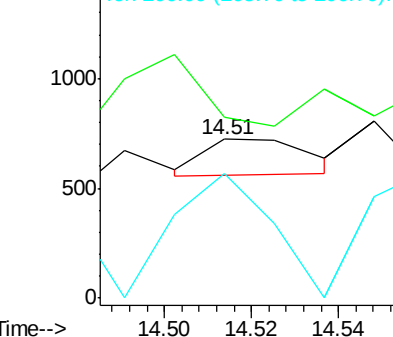
206 78.2 13.6 20.4#

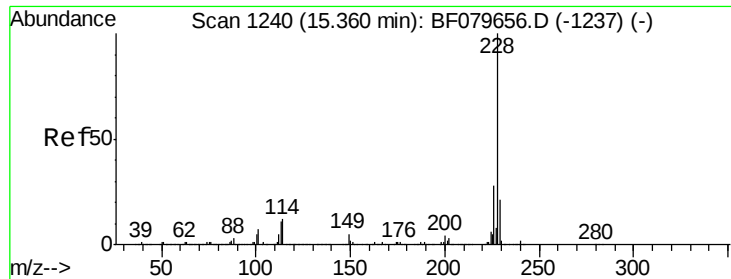


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

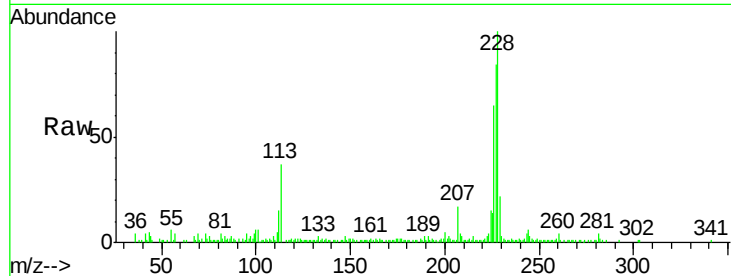




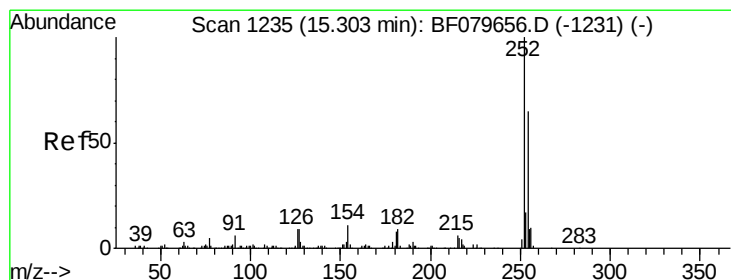
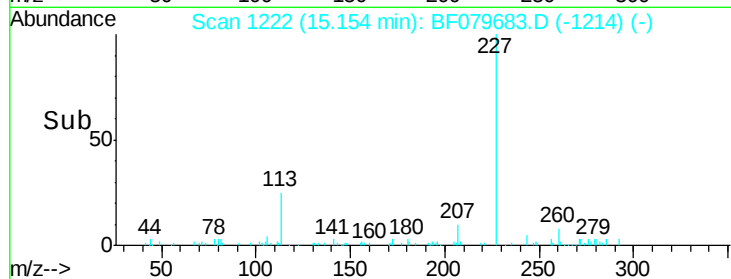
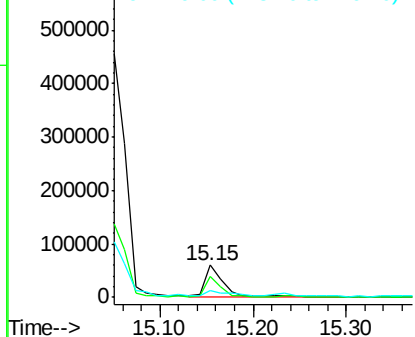
#80
Benzo(a)anthracene
Concen: 212.82 ng
RT: 15.15 min Scan# 1222
Delta R.T. -0.21 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tgt Ion:228 Resp: 78223
Ion Ratio Lower Upper
228 100
226 65.2 22.5 33.7#
229 21.7 16.6 24.8

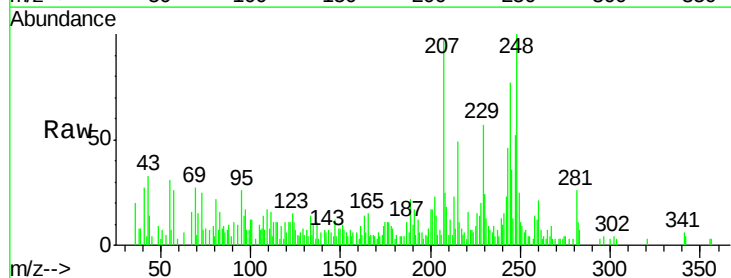


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

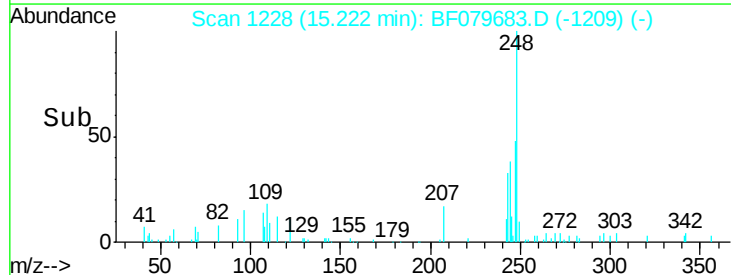
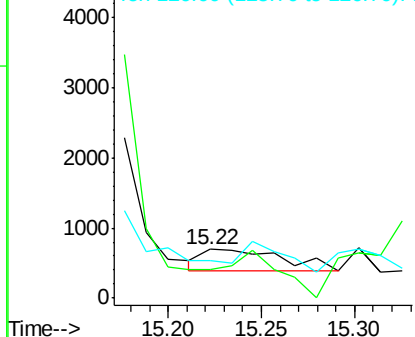


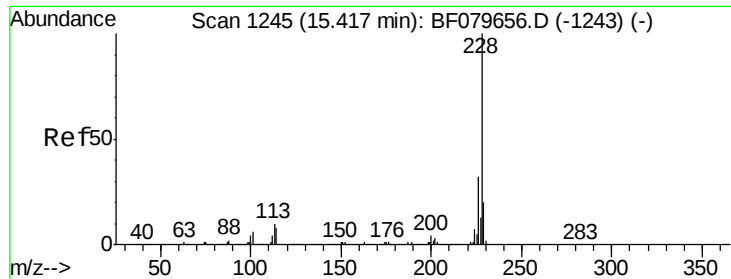
#81
3,3'-Dichlorobenzidine
Concen: 8.62 ng
RT: 15.22 min Scan# 1228
Delta R.T. -0.08 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:252 Resp: 946
Ion Ratio Lower Upper
252 100
254 59.9 51.6 77.4
126 77.7 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 16.12 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.07 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

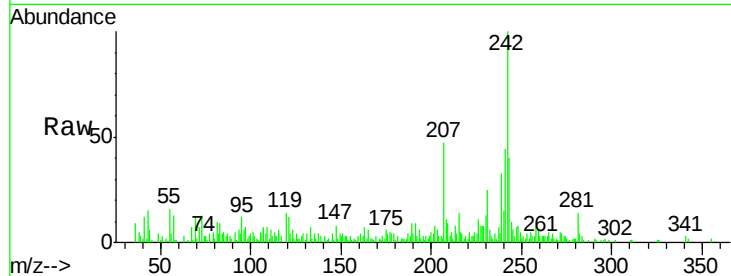
Tgt Ion:228 Resp: 5959

Ion Ratio Lower Upper

228 100

226 148.0 25.2 37.8#

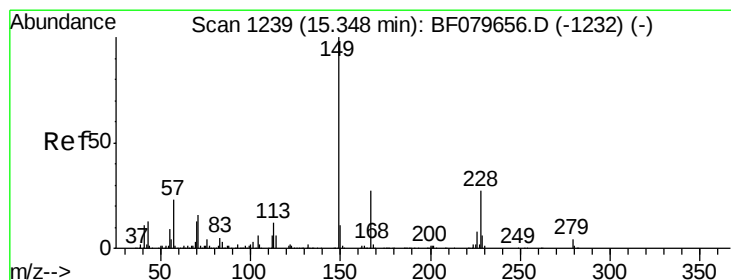
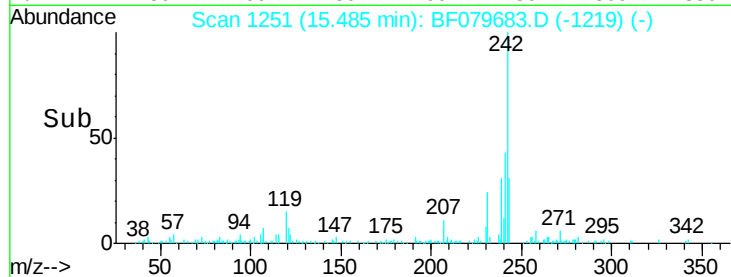
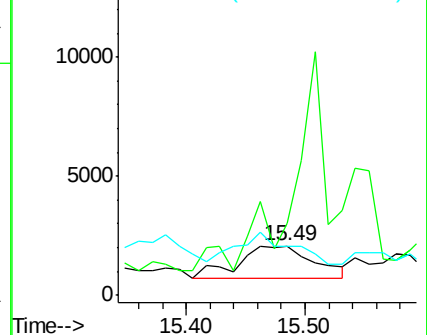
229 99.5 16.3 24.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.47 ng

RT: 15.28 min Scan# 1233

Delta R.T. -0.07 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

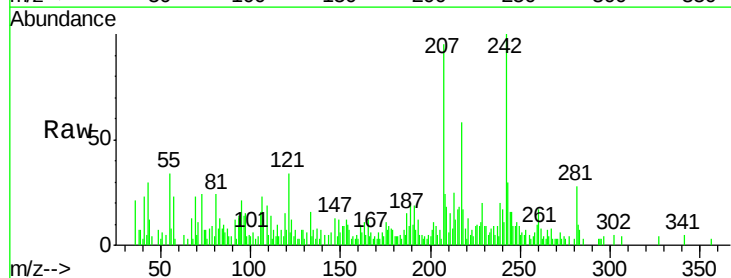
Tgt Ion:149 Resp: 2186

Ion Ratio Lower Upper

149 100

167 50.3 21.6 32.4#

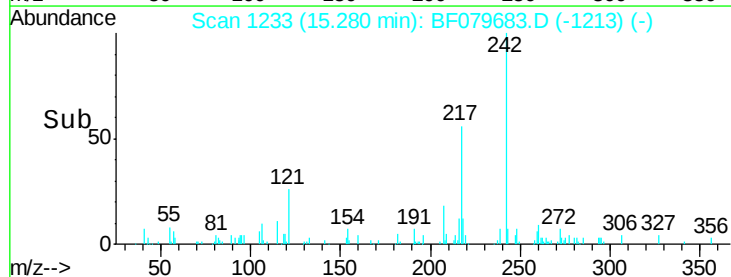
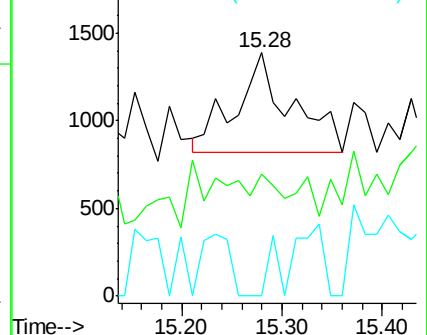
279 0.0 3.1 4.7#

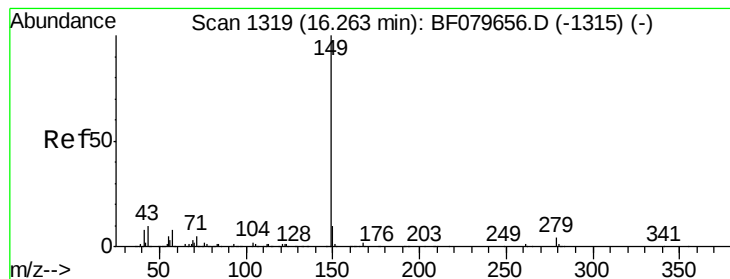


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 5.65 ng

RT: 16.22 min Scan# 1315

Delta R.T. -0.05 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

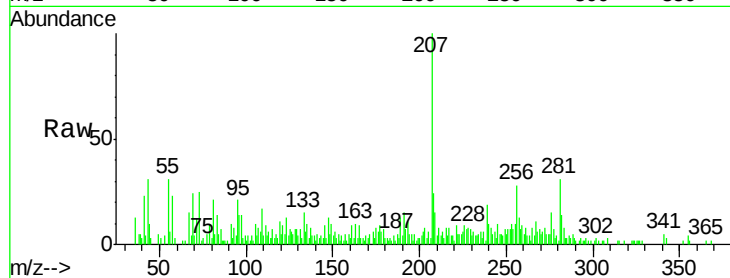
Tgt Ion:149 Resp: 1092

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

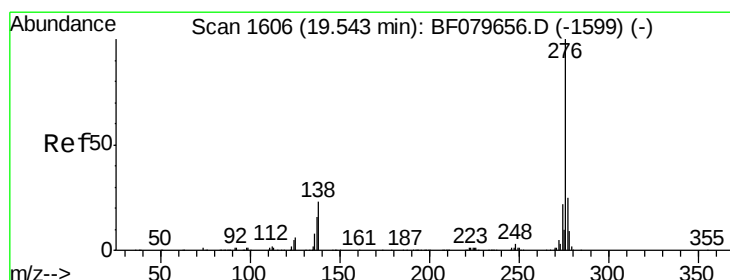
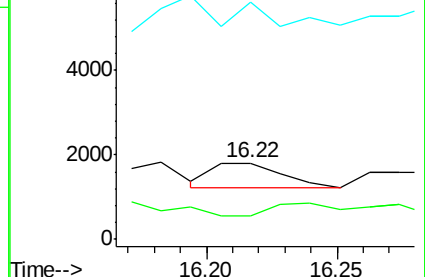
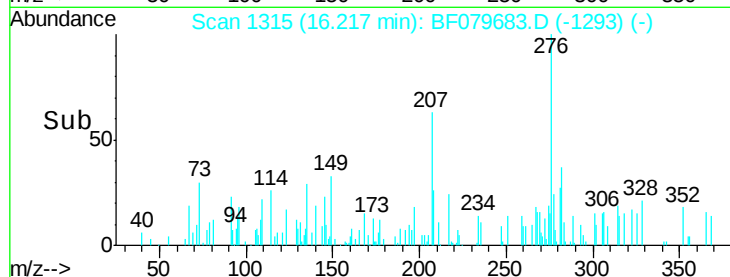
43 0.0 9.4 14.2#



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: 943.86 ng

RT: 19.60 min Scan# 1611

Delta R.T. 0.06 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

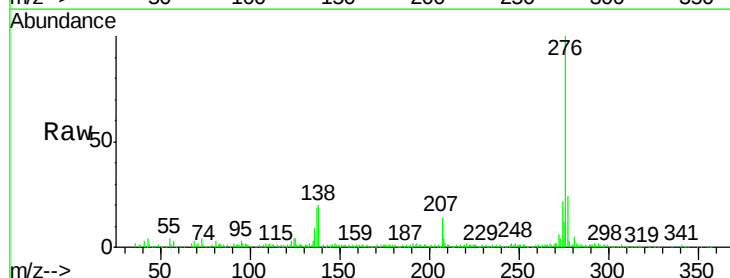
Tgt Ion:276 Resp: 341322

Ion Ratio Lower Upper

276 100

138 22.8 21.9 32.9

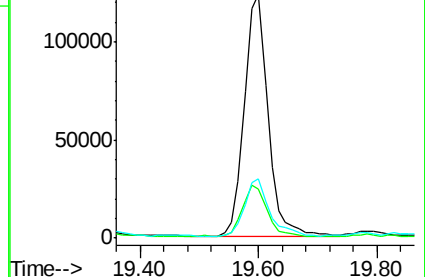
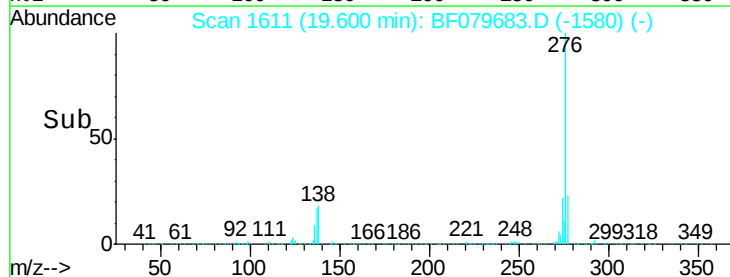
277 25.4 20.2 30.4

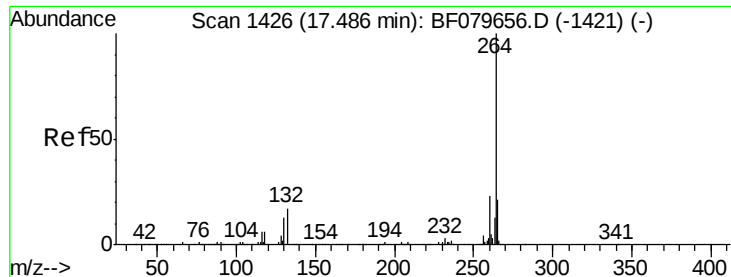


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

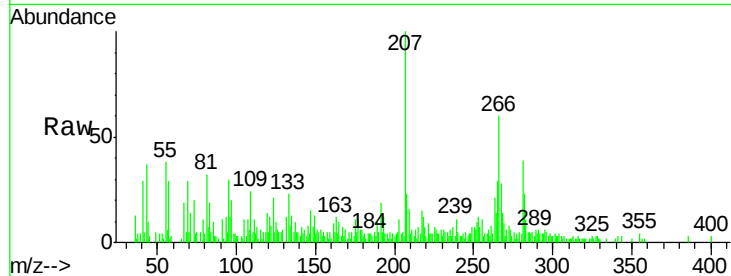




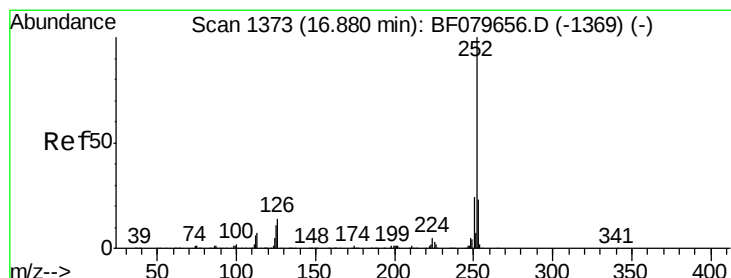
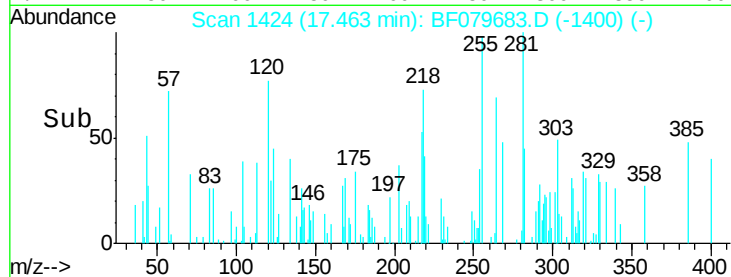
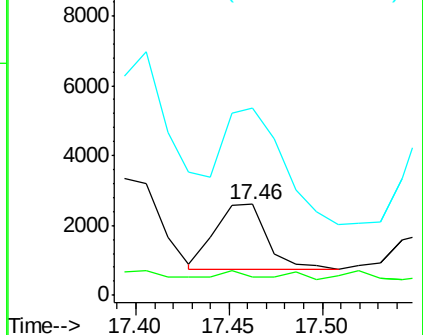
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.46 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tgt Ion:264 Resp: 3566
Ion Ratio Lower Upper
264 100
260 20.4 18.8 28.2
265 206.4 17.4 26.0#

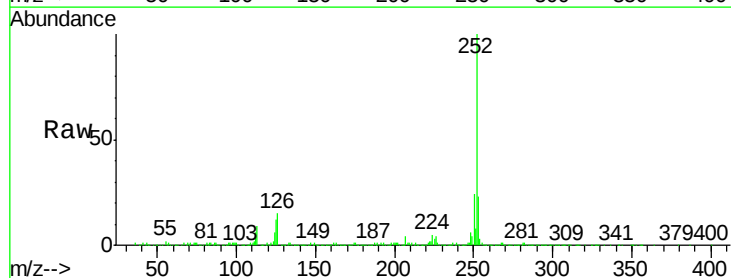


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

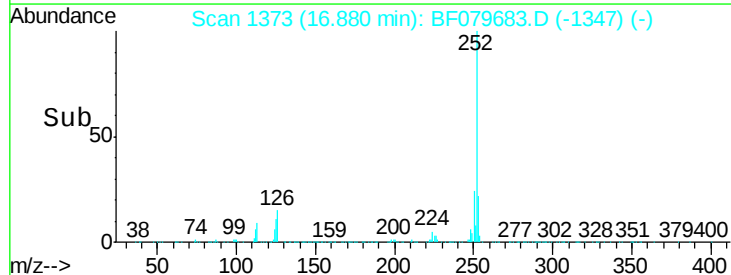
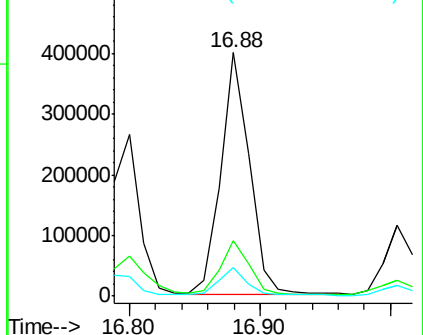


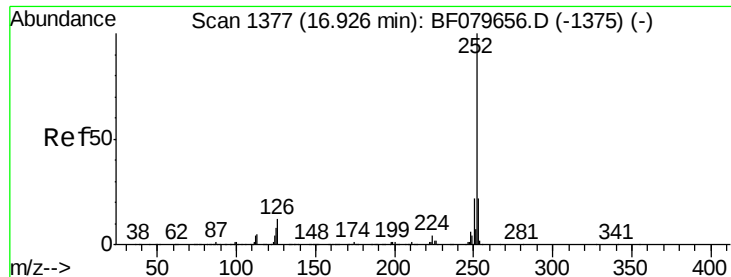
#87
Benzo(b)fluoranthene
Concen: 3331.01 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:252 Resp: 613825
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.6 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

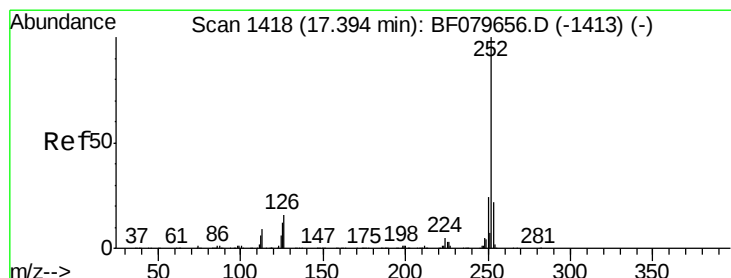
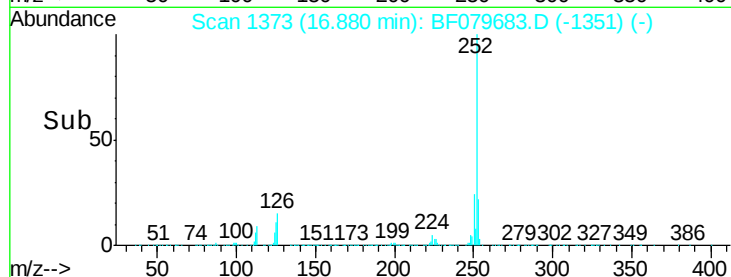
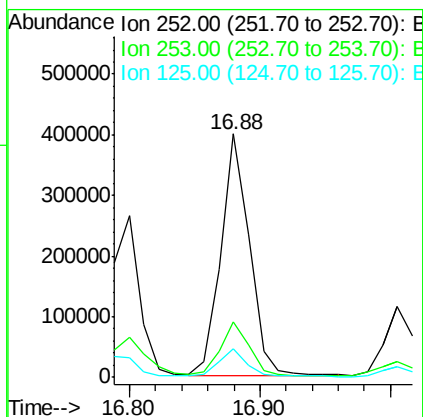
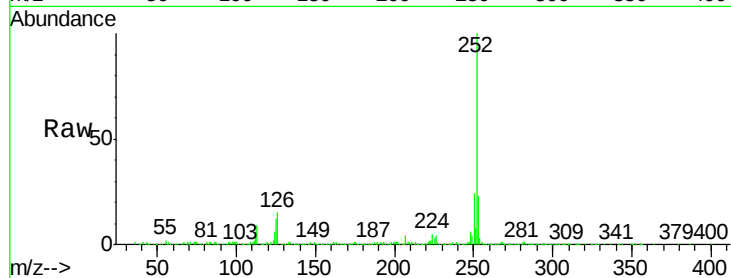




#88
Benzo(k)fluoranthene
Concen: 2838.65 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.05 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

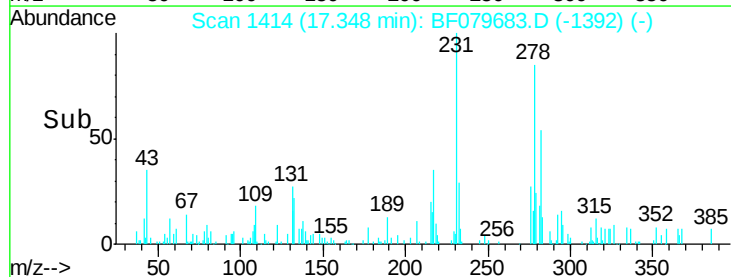
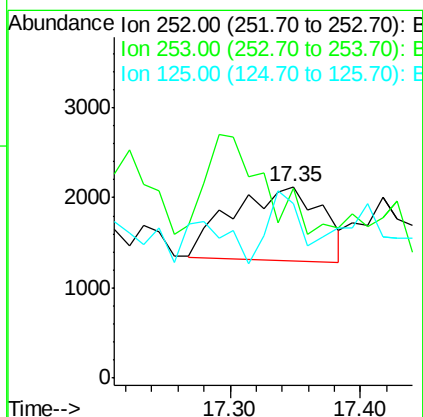
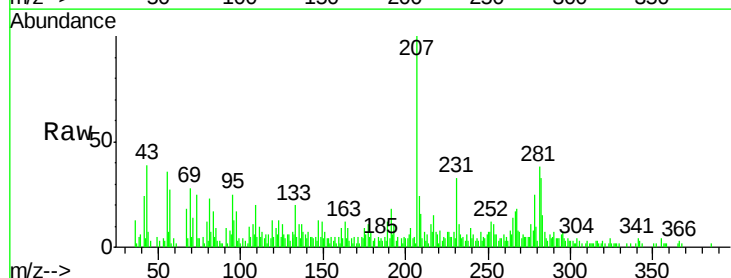
Instrument :
BNA_F
ClientSampleId :
SB-16D

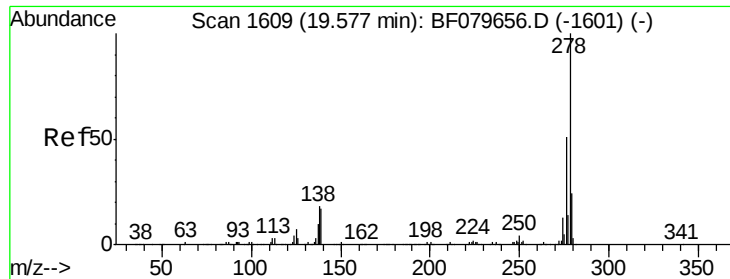
Tgt Ion:252 Resp: 612864
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.6 7.1 10.7#



#89
Benzo(a)pyrene
Concen: 21.94 ng
RT: 17.35 min Scan# 1414
Delta R.T. -0.05 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion:252 Resp: 3954
Ion Ratio Lower Upper
252 100
253 98.9 17.9 26.9#
125 91.3 9.4 14.0#





#90

Dibenzo(a,h)anthracene

Concen: 46.92 ng

RT: 19.60 min Scan# 1611

Delta R.T. 0.02 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

ClientSampleId :

SB-16D

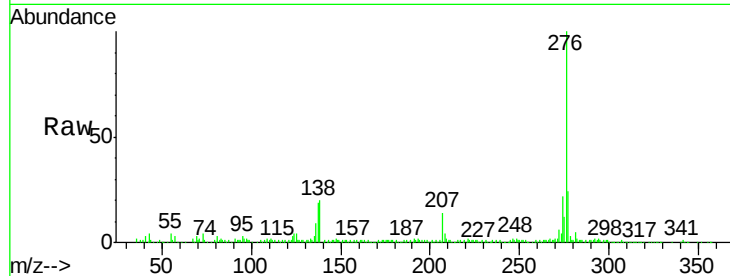
Tgt Ion:278 Resp: 7922

Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

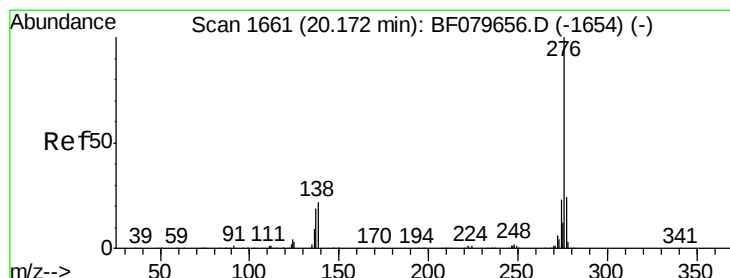
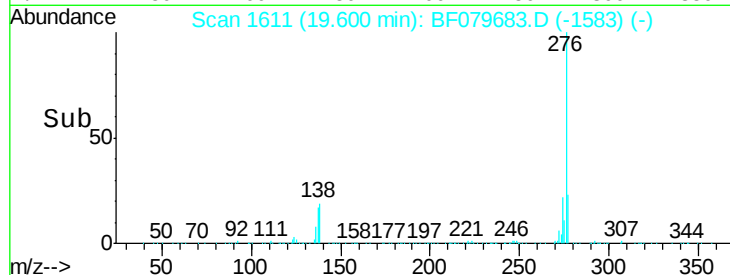
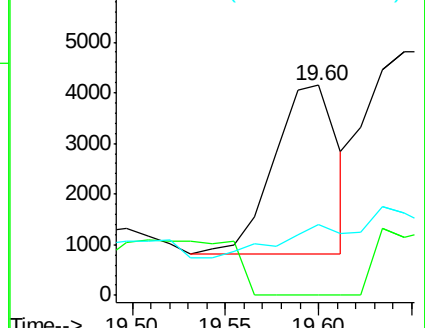
279 33.6 19.6 29.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 460.47 ng

RT: 19.92 min Scan# 1639

Delta R.T. -0.25 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

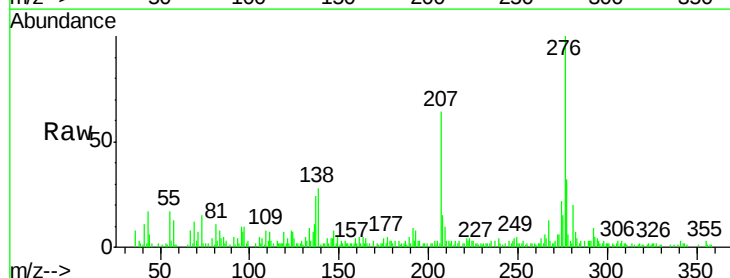
Tgt Ion:276 Resp: 82457

Ion Ratio Lower Upper

276 100

277 31.5 19.1 28.7#

138 28.1 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

