

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079688.D
 Acq On : 4 Jun 2015 5:26
 Operator : TP/IZ
 Sample : G2420-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.3(4)

Quant Time: Jun 04 07:12:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 06:38:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	82399	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	320031	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	170393	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	320277	20.00	ng	0.00
75) Chrysene-d12	15.01	240	330720	20.00	ng	-0.03
86) Perylene-d12	16.94	264	324602	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	6.14	112	482159	106.07	ng	0.01
7) Phenol-d6	7.11	99	607916	102.25	ng	0.00
23) Nitrobenzene-d5	8.08	82	314572	59.37	ng	0.01
41) 2,4,6-Tribromophenol	11.38	330	129926	92.39	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	709571	61.21	ng	0.00
78) Terphenyl-d14	13.76	244	811858	60.93	ng	-0.01

Target Compounds

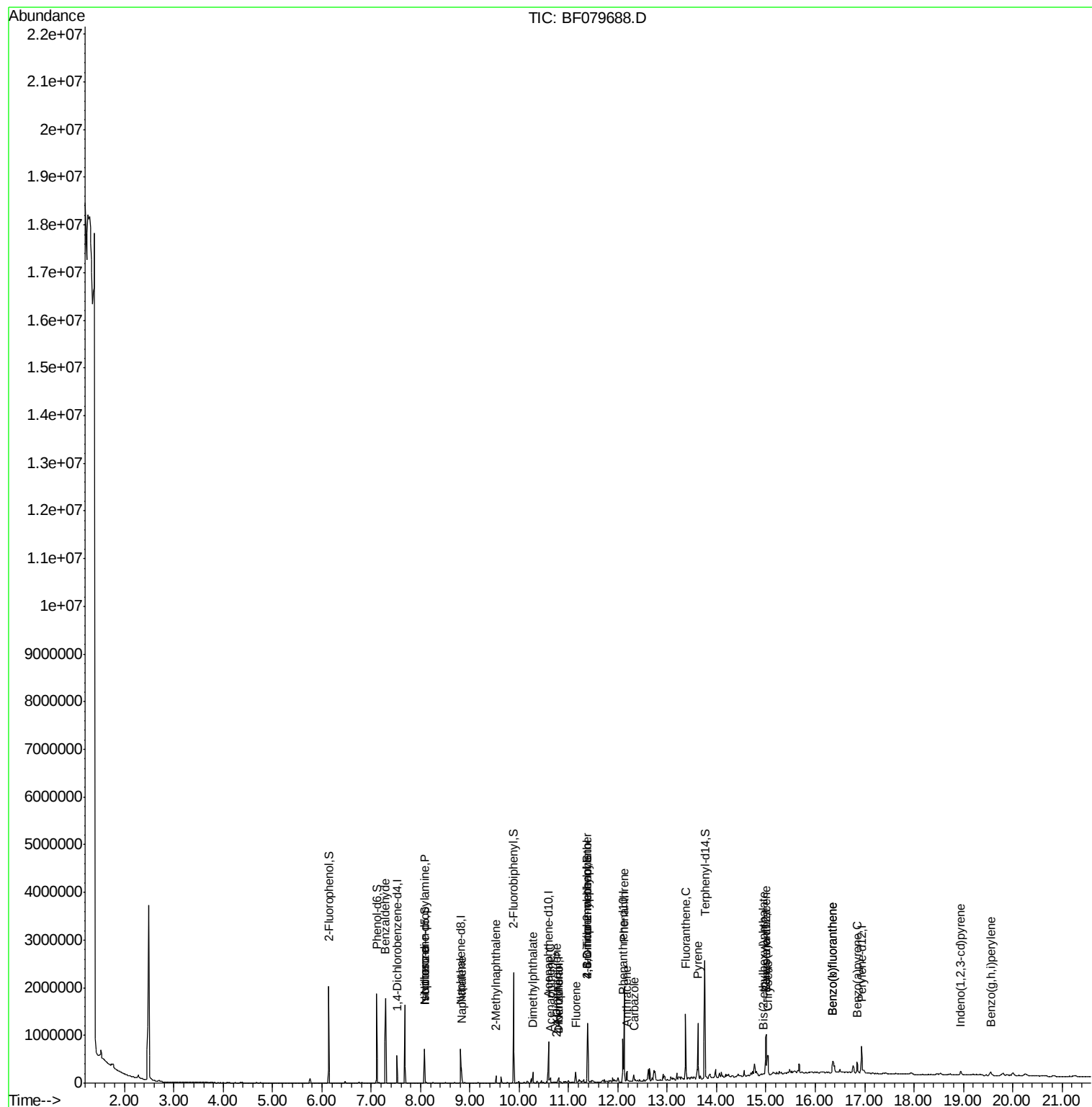
						Qvalue
9) Benzaldehyde	7.29	77	12020	3.47	ng	87
19) n-Nitroso-di-n-propylamine	8.08	70	40737	9.97	ng	# 74
25) Isophorone	8.08	82	313288	28.72	ng	# 65
31) Naphthalene	8.83	128	129640	7.75	ng	98
32) Benzoic acid	8.56	122	396	Below Cal	#	1
37) 2-Methylnaphthalene	9.53	142	40161	3.60	ng	96
49) Dimethylphthalate	10.27	163	76302	6.11	ng	100
51) Acenaphthene	10.63	154	32737	3.17	ng	99
54) Dibenzofuran	10.80	168	48948	3.26	ng	96
55) 4-Nitrophenol	10.80	139	17504	8.87	ng	# 20
56) 2,4-Dinitrotoluene	10.75	165	1111	2.78	ng	# 27
57) Fluorene	11.14	166	57348	4.68	ng	99
64) 4,6-Dinitro-2-methylphenol	11.38	198	261	8.23	ng	# 1
66) 4-Bromophenyl-phenylether	11.38	248	9622	2.99	ng	# 1
70) Phenanthrene	12.12	178	688268	38.87	ng	100
71) Anthracene	12.18	178	130728	7.34	ng	97
72) Carbazole	12.32	167	44556	2.72	ng	99
74) Fluoranthene	13.37	202	549942	28.80	ng	97
77) Pyrene	13.62	202	488538	25.66	ng	99
80) Benzo(a)anthracene	14.99	228	218959	12.11	ng	98
82) Chrysene	15.04	228	225694	12.40	ng	98
83) Bis(2-ethylhexyl)phthalate	14.94	149	10050	4.08	ng	94
85) Indeno(1,2,3-cd)pyrene	18.95	276	69442	3.90	ng	94
87) Benzo(b)fluoranthene	16.35	252	263086	15.68	ng	99
88) Benzo(k)fluoranthene	16.35	252	263086	13.39	ng	# 97
89) Benzo(a)pyrene	16.85	252	145790	8.89	ng	97
91) Benzo(g,h,i)perylene	19.55	276	62296	3.82	ng	97

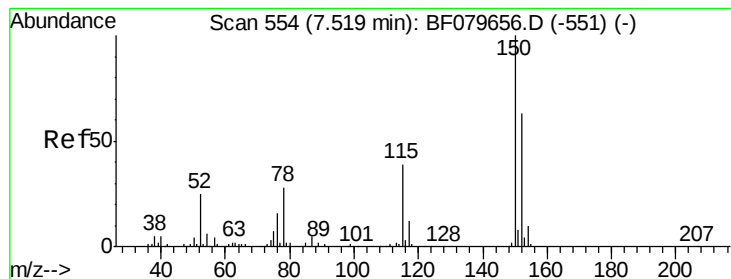
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

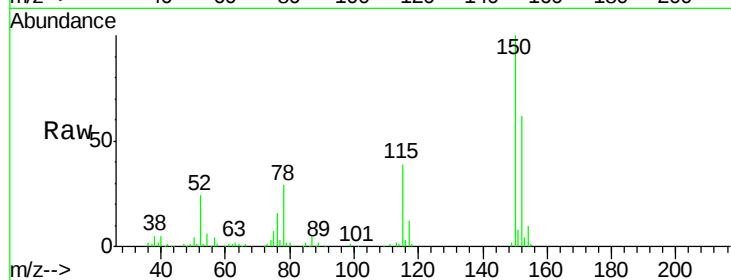
Tgt Ion:152 Resp: 82399

Ion Ratio Lower Upper

152 100

150 161.5 126.7 190.1

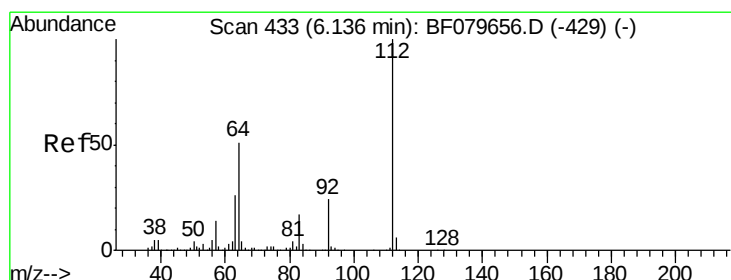
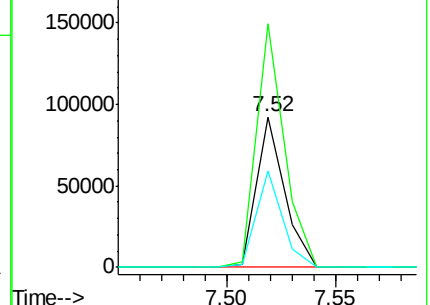
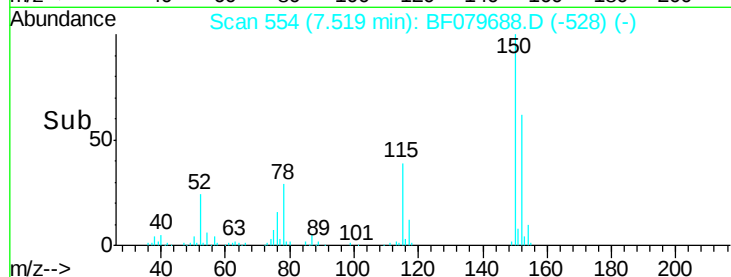
115 63.7 49.2 73.8



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: 106.07 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

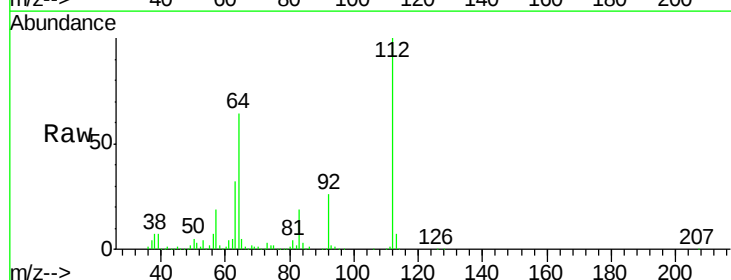
Tgt Ion:112 Resp: 482159

Ion Ratio Lower Upper

112 100

64 63.6 41.1 61.7#

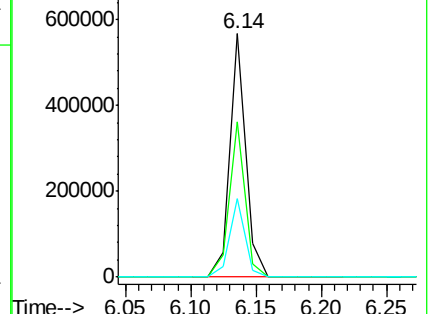
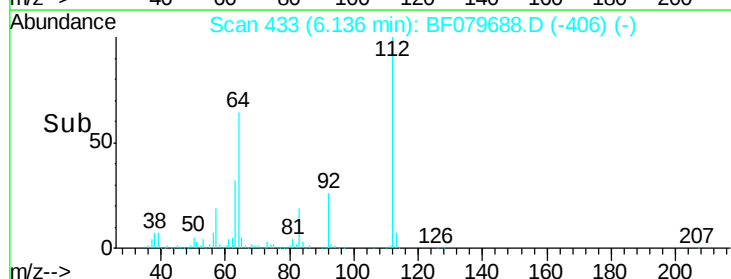
63 32.2 20.5 30.7#



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: 102.25 ng

RT: 7.11 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

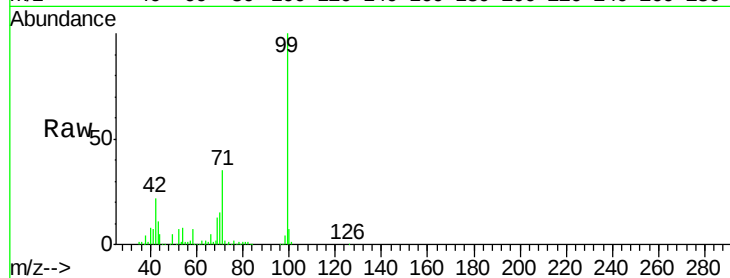
Tgt Ion: 99 Resp: 607916

Ion Ratio Lower Upper

99 100

42 21.6 15.2 22.8

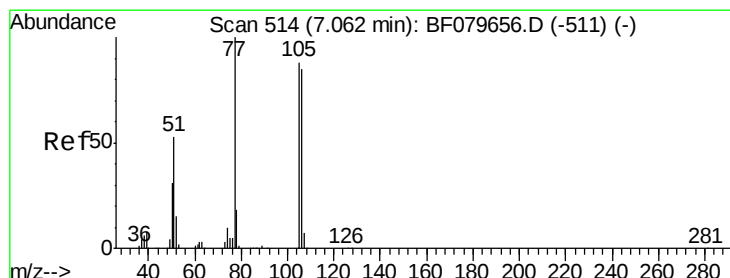
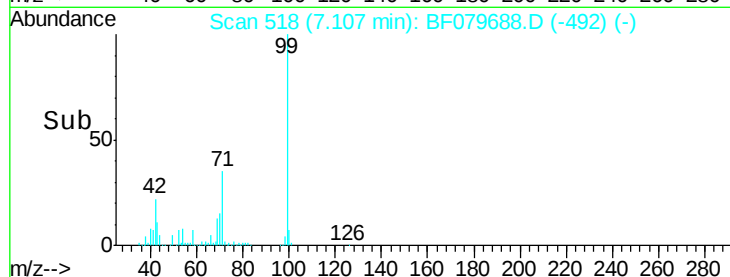
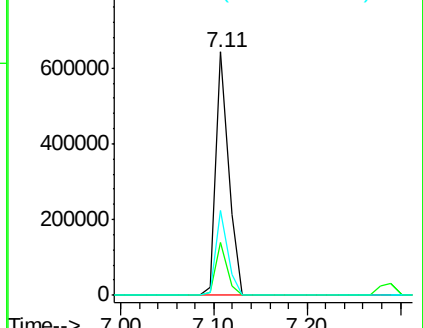
71 34.9 25.9 38.9



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: 3.47 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

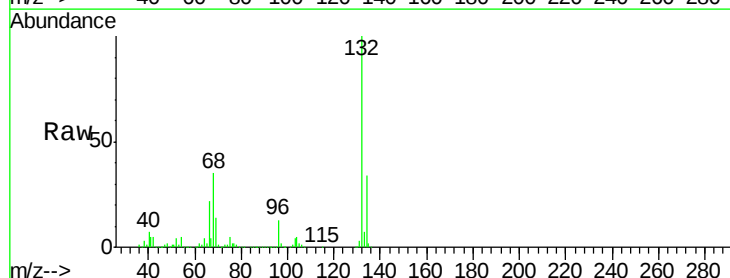
Tgt Ion: 77 Resp: 12020

Ion Ratio Lower Upper

77 100

105 77.4 68.2 108.2

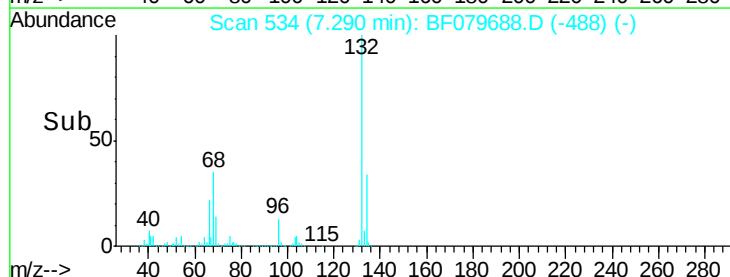
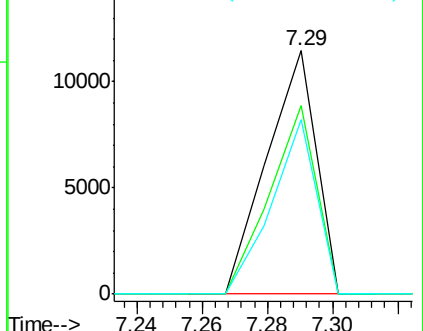
106 71.9 64.9 104.9

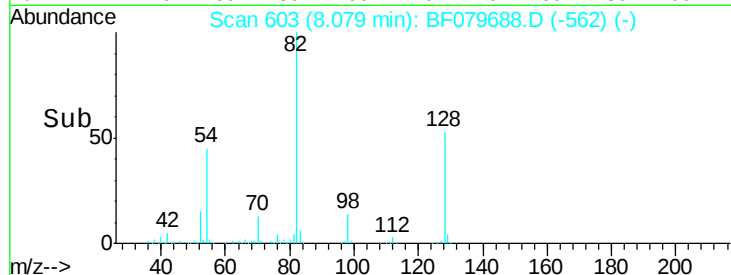
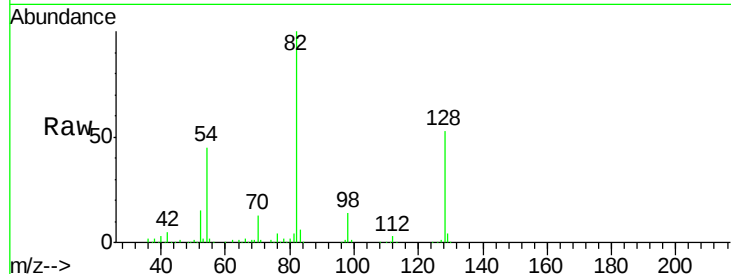
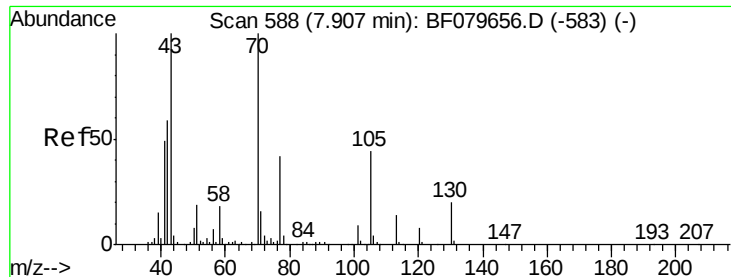


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

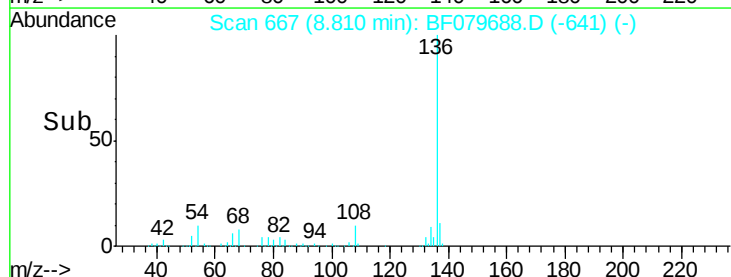
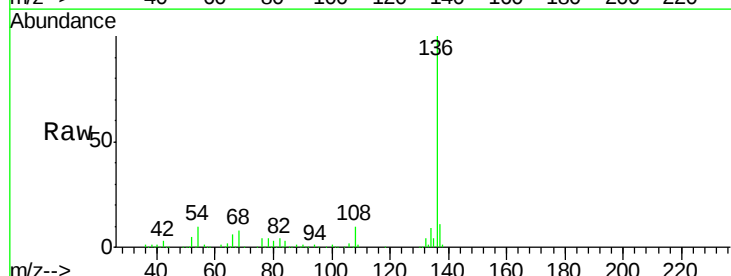
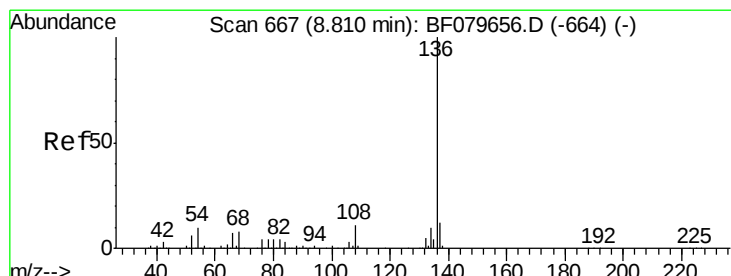
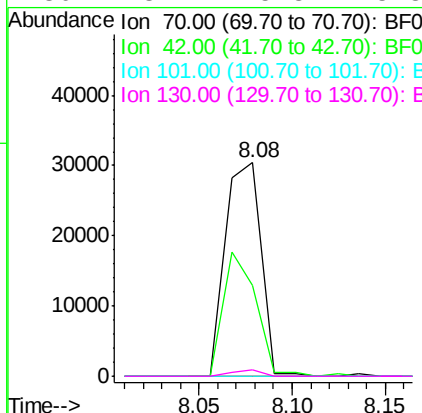




#19
n-Nitroso-di-n-propylamine
Concen: 9.97 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.17 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

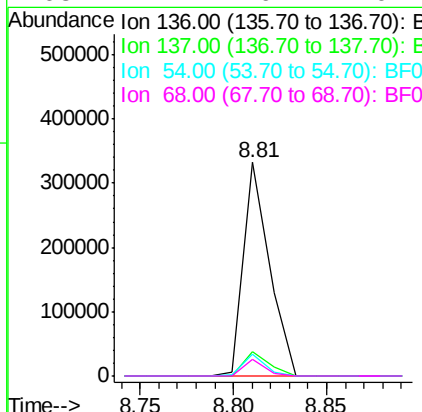
Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

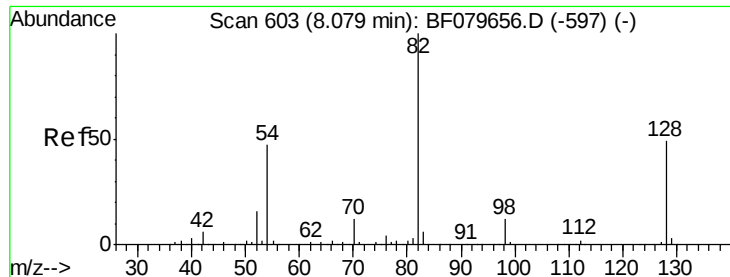
Tgt Ion:	70	Resp:	40737
Ion	Ratio	Lower	Upper
70	100		
42	42.8	47.7	71.5#
101	0.0	7.4	11.0#
130	3.2	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion:	136	Resp:	320031
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	10.4	8.3	12.5
68	7.7	6.1	9.1

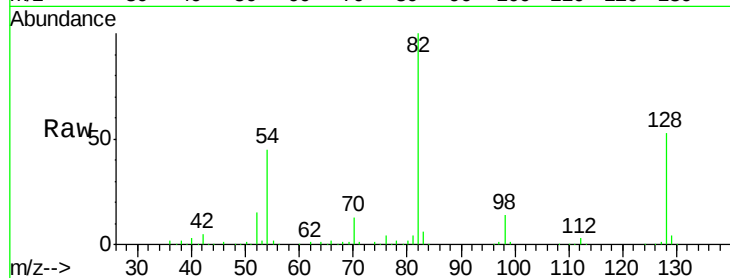




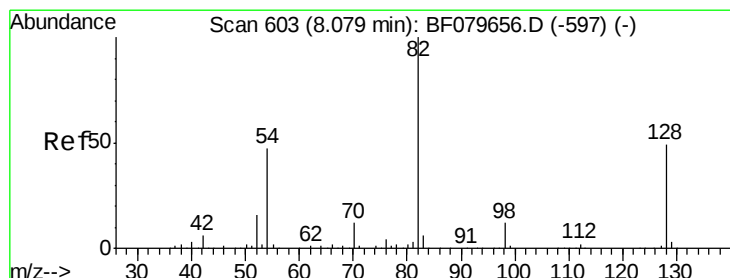
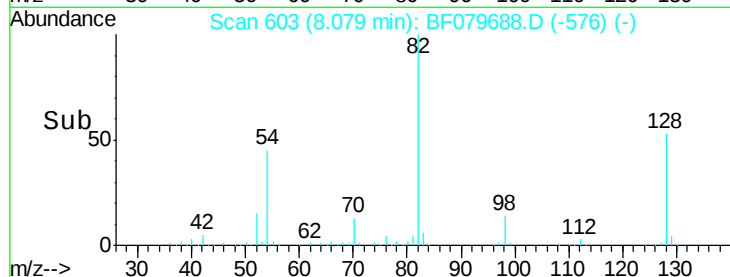
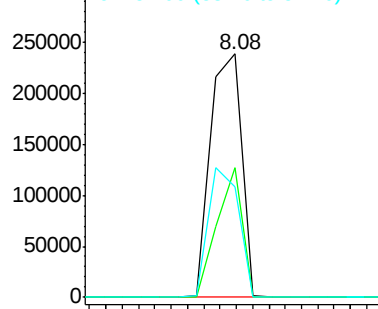
#23
Nitrobenzene-d5
Concen: 59.37 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tgt Ion: 82 Resp: 314572
Ion Ratio Lower Upper
82 100
128 53.2 39.4 59.0
54 45.2 37.4 56.0

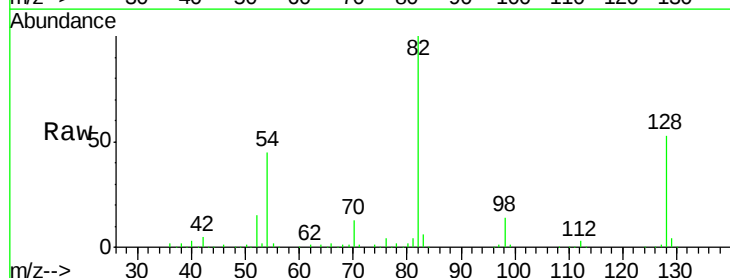


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

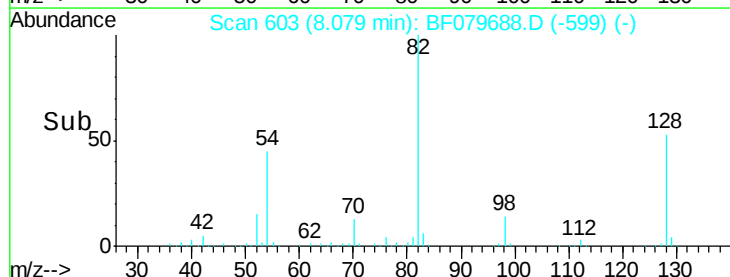
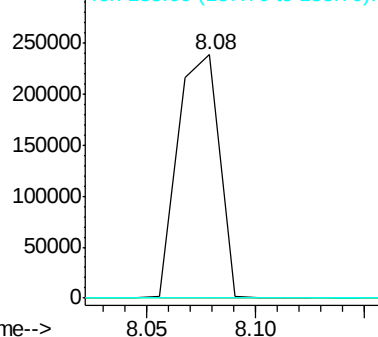


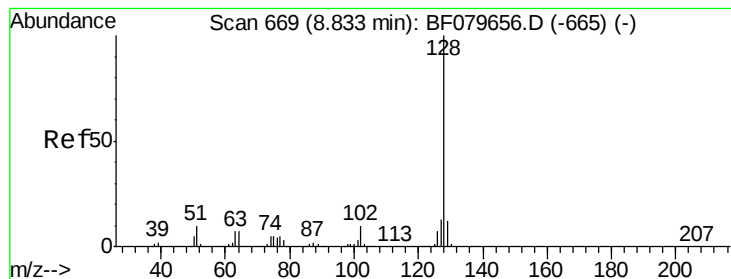
#25
Isophorone
Concen: 28.72 ng
RT: 8.08 min Scan# 603
Delta R.T. -0.25 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion: 82 Resp: 313288
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





#31

Naphthalene

Concen: 7.75 ng

RT: 8.83 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

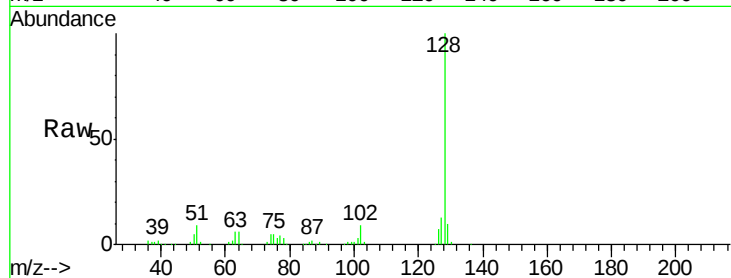
Tgt Ion:128 Resp: 129640

Ion Ratio Lower Upper

128 100

129 10.4 9.3 13.9

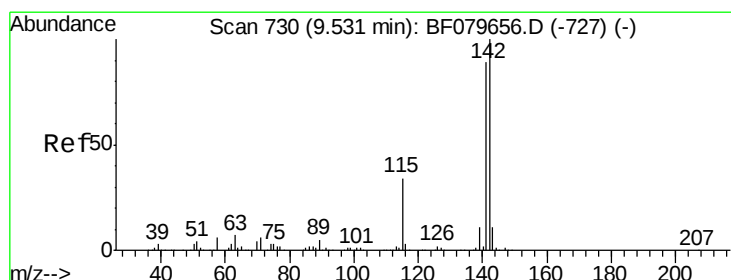
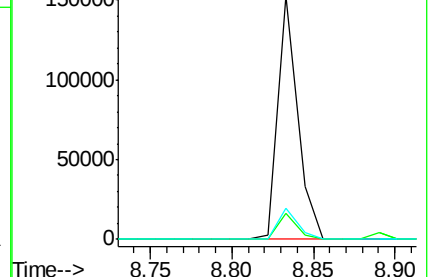
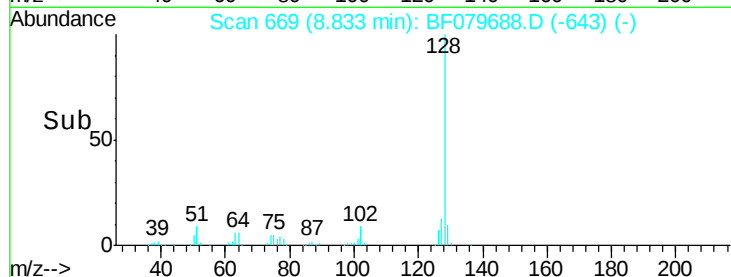
127 12.7 10.4 15.6



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



#37

2-Methylnaphthalene

Concen: 3.60 ng

RT: 9.53 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

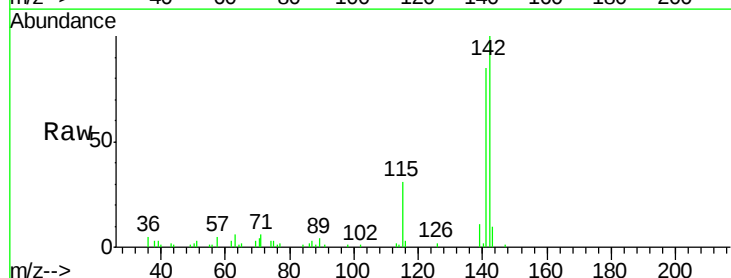
Tgt Ion:142 Resp: 40161

Ion Ratio Lower Upper

142 100

141 85.2 71.4 107.0

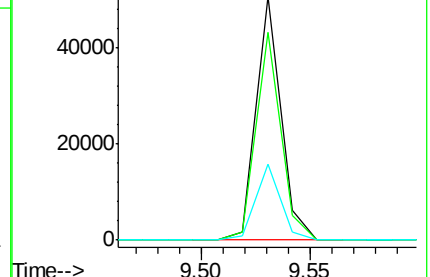
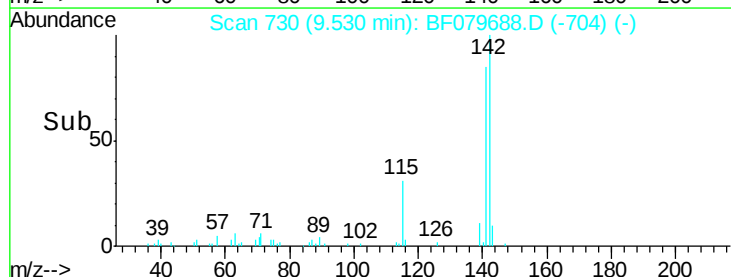
115 31.4 27.3 40.9

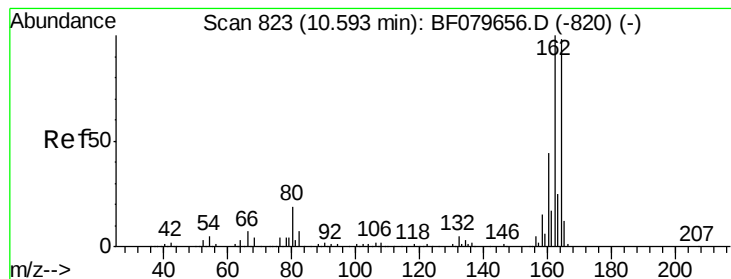


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

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PENRD8.3(4)

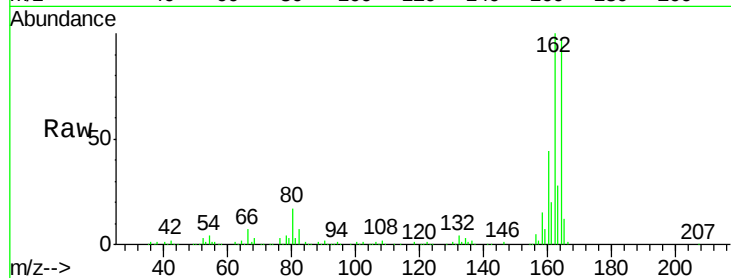
Tgt Ion:164 Resp: 170393

Ion Ratio Lower Upper

164 100

162 102.9 82.0 123.0

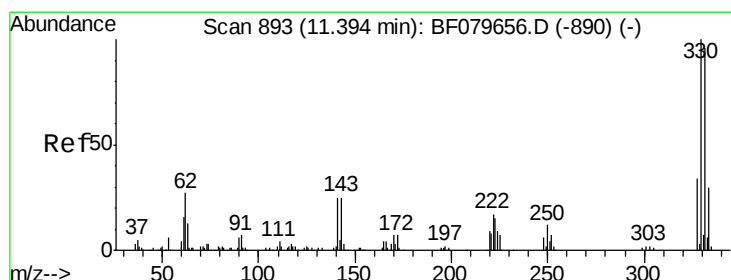
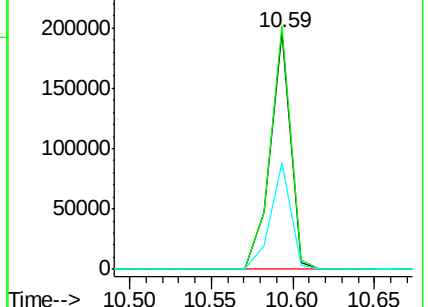
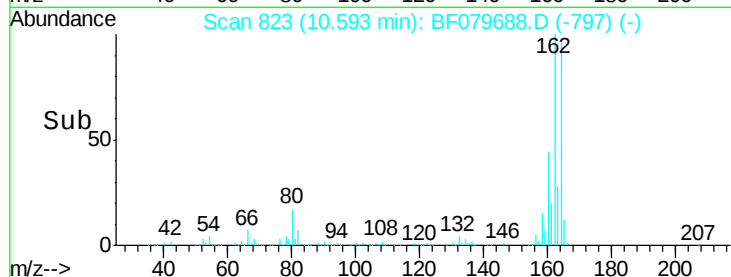
160 45.1 35.9 53.9



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: 92.39 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

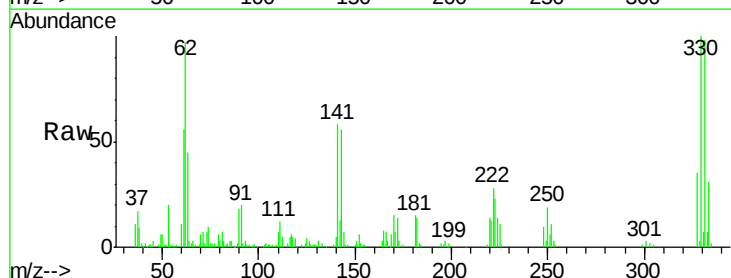
Tgt Ion:330 Resp: 129926

Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

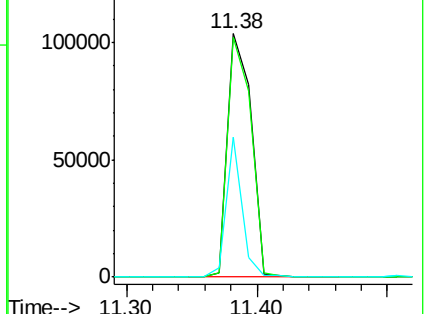
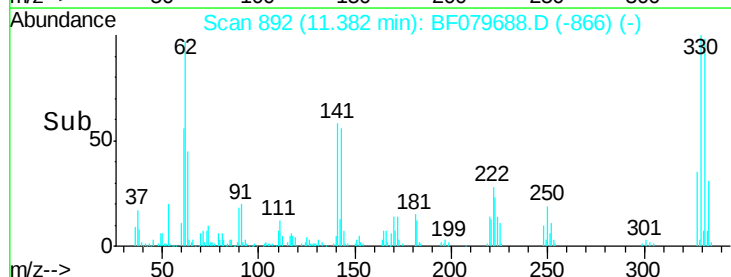
141 38.9 27.4 41.2

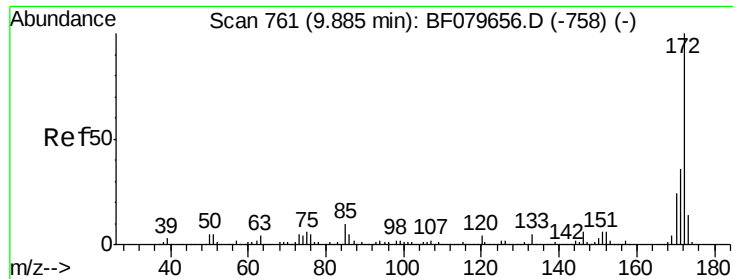


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

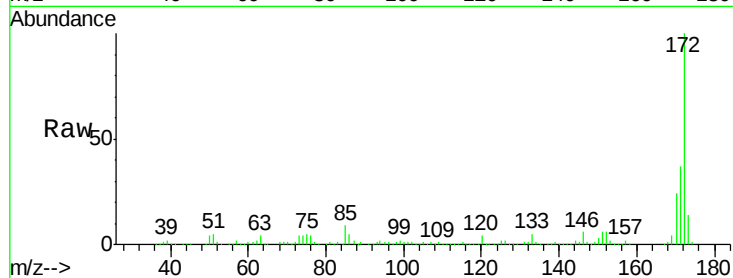




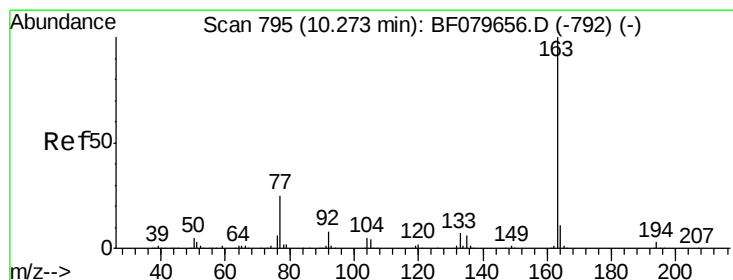
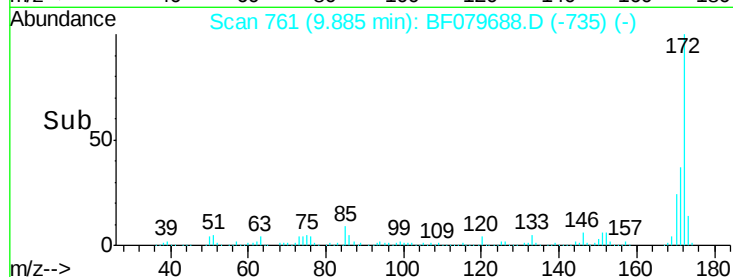
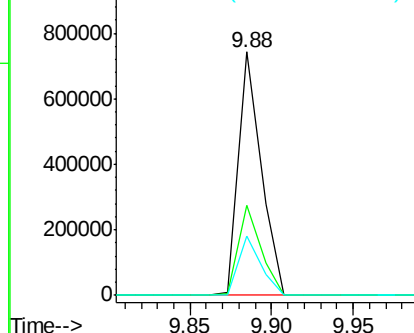
#44
2-Fluorobiphenyl
Concen: 61.21 ng
RT: 9.88 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.8	43.2
170	24.2	19.2	28.8

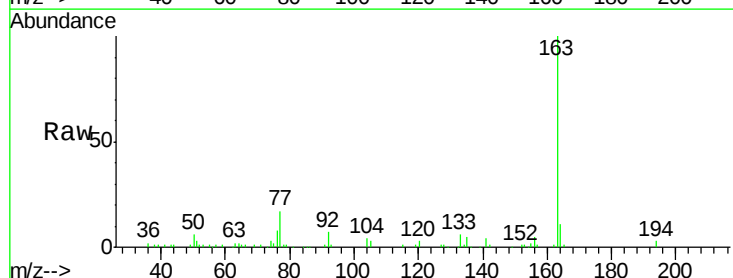


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

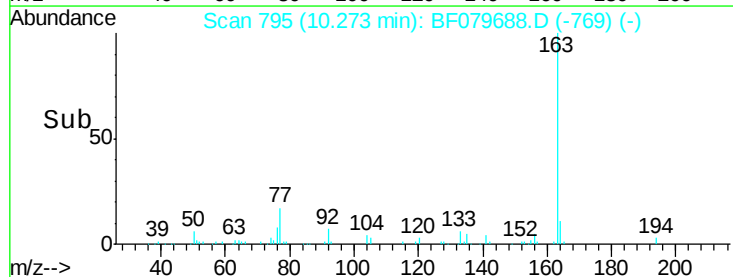
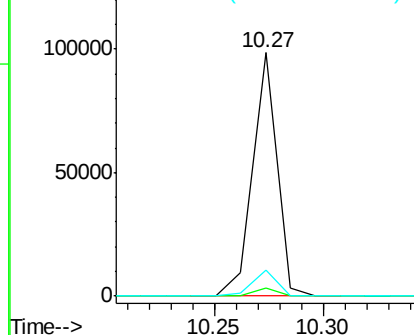


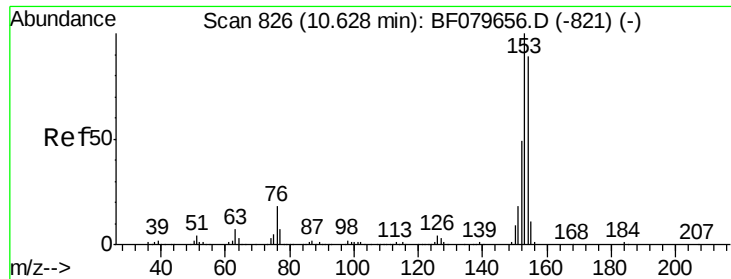
#49
Dimethylphthalate
Concen: 6.11 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	3.8
164	10.7	8.6	12.8



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





#51

Acenaphthene

Concen: 3.17 ng

RT: 10.63 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

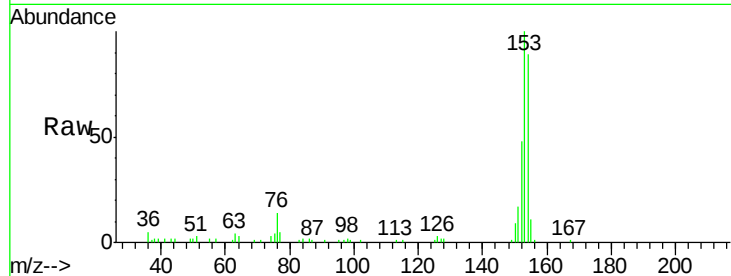
Tgt Ion:154 Resp: 32737

Ion Ratio Lower Upper

154 100

153 112.6 89.8 134.6

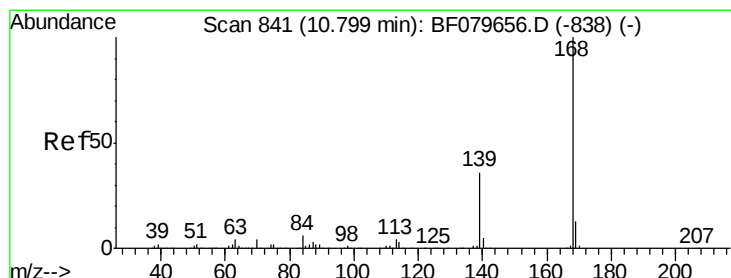
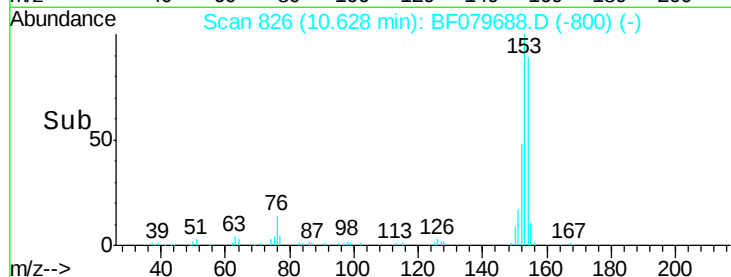
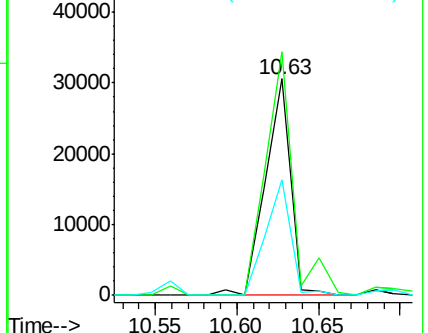
152 53.6 43.8 65.8



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: 3.26 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

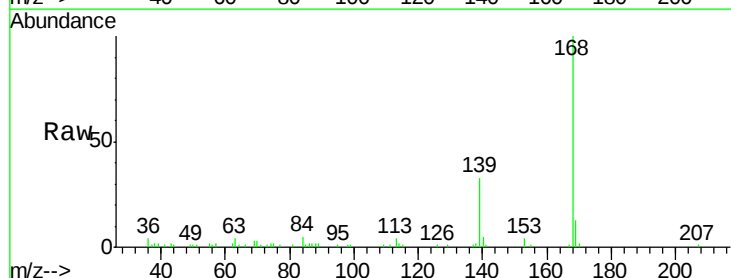
Tgt Ion:168 Resp: 48948

Ion Ratio Lower Upper

168 100

139 33.3 29.1 43.7

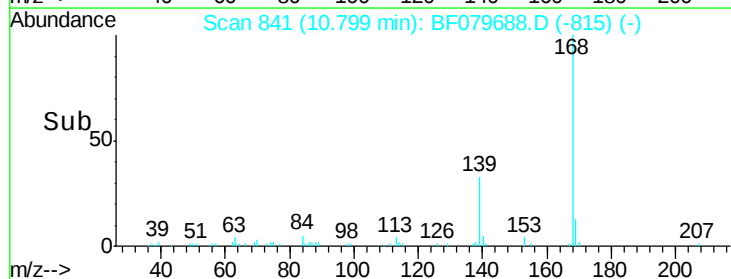
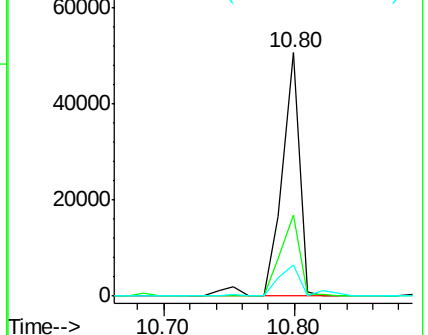
169 12.8 10.7 16.1

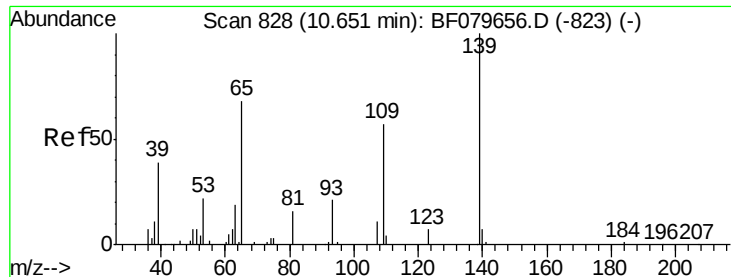


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

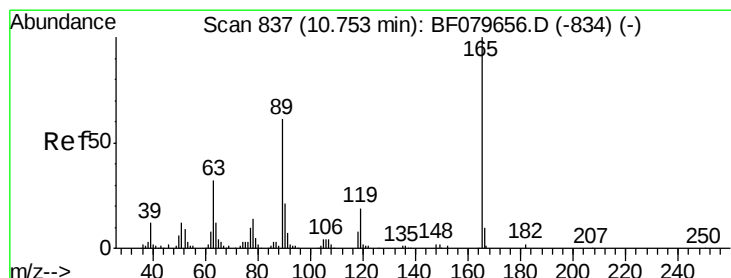
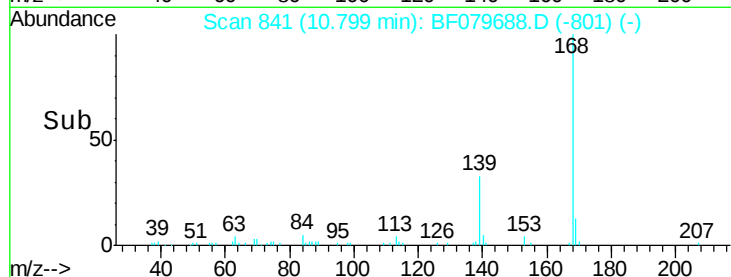
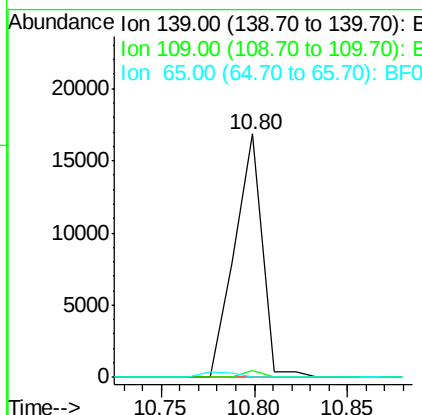
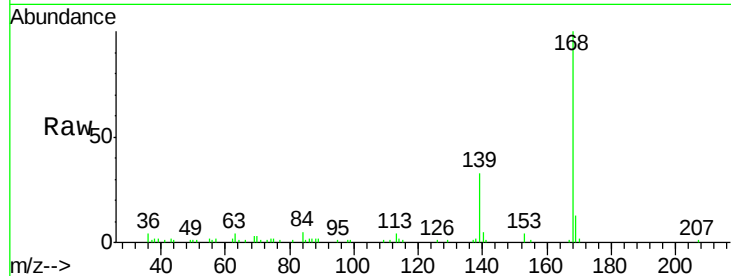




#55
4-Nitrophenol
Concen: 8.87 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.16 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

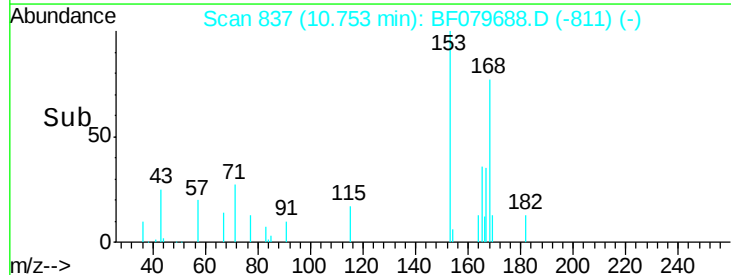
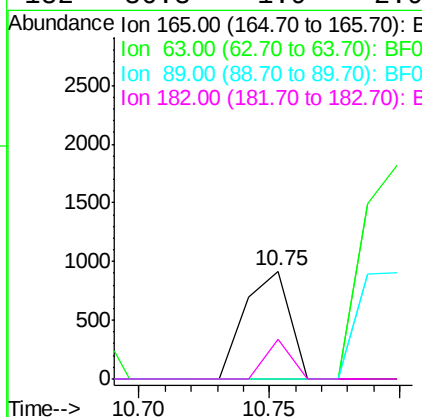
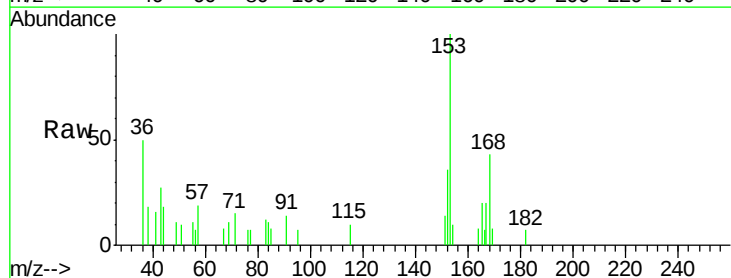
Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

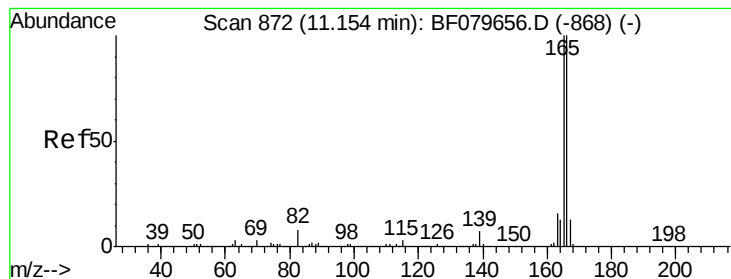
Tgt Ion:139 Resp: 17504
Ion Ratio Lower Upper
139 100
109 2.6 37.1 77.1#
65 0.0 49.2 89.2#



#56
2,4-Dinitrotoluene
Concen: 2.78 ng
RT: 10.75 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion:165 Resp: 1111
Ion Ratio Lower Upper
165 100
63 0.0 25.5 38.3#
89 0.0 48.5 72.7#
182 36.3 1.9 2.9#





#57

Fluorene

Concen: 4.68 ng

RT: 11.14 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

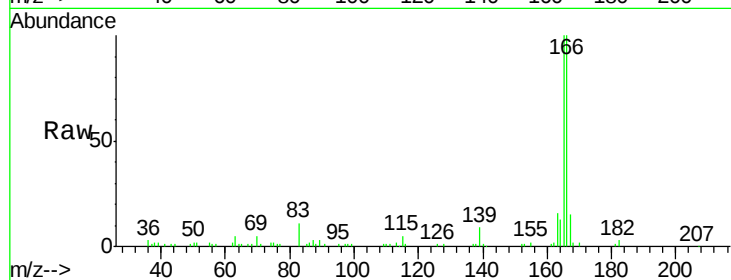
Tgt Ion:166 Resp: 57348

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.6

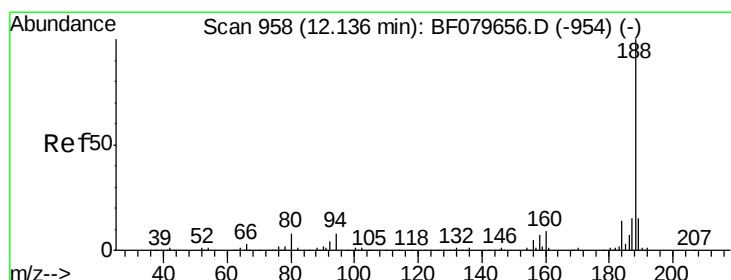
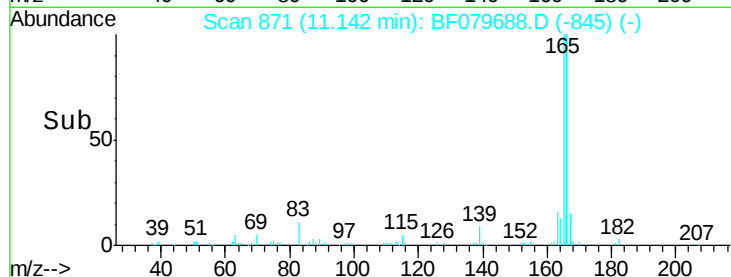
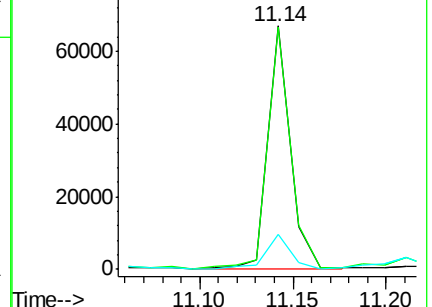
167 14.6 10.6 15.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

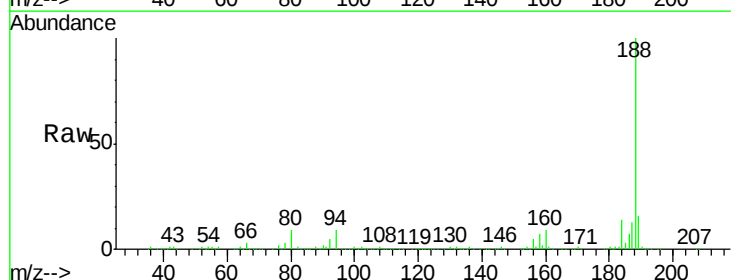
Tgt Ion:188 Resp: 320277

Ion Ratio Lower Upper

188 100

94 8.5 6.1 9.1

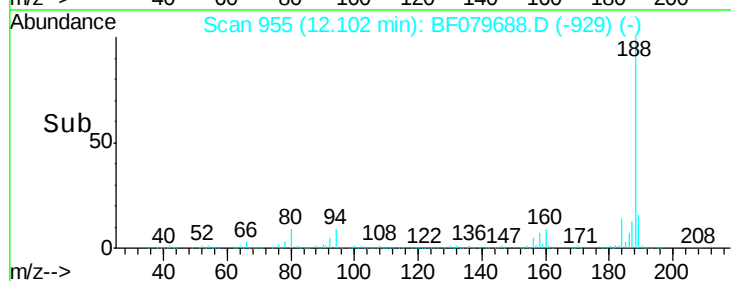
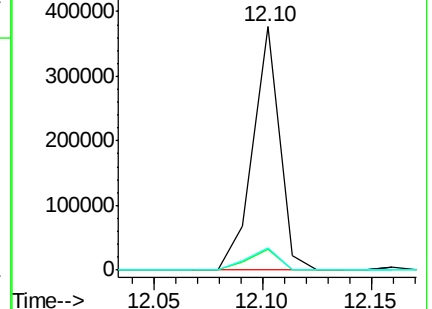
80 9.2 6.2 9.2

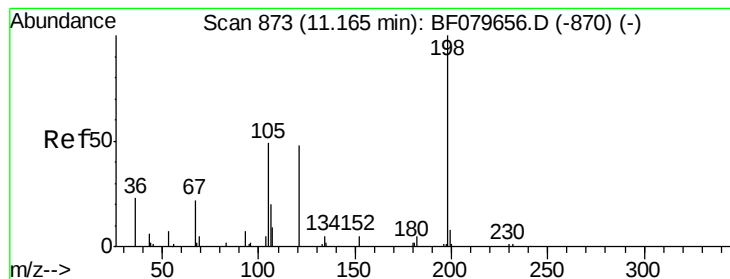


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.23 ng

RT: 11.38 min Scan# 892

Delta R.T. 0.22 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

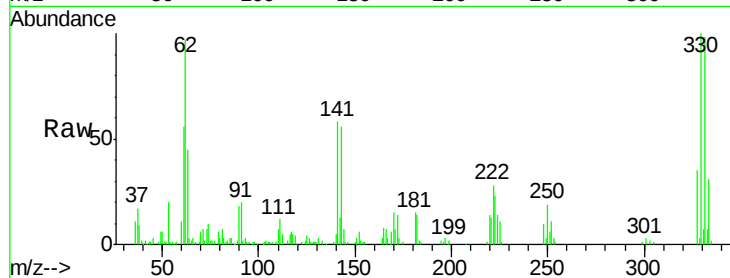
Tgt Ion:198 Resp: 261

Ion Ratio Lower Upper

198 100

51 406.3 46.1 86.1#

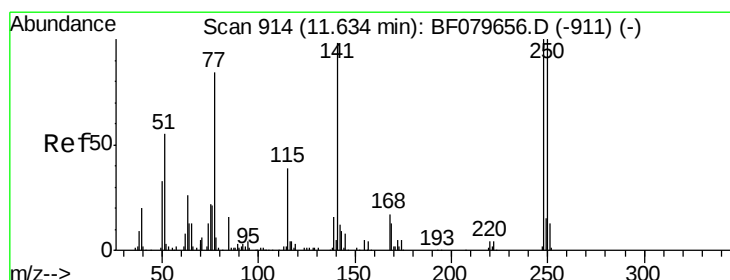
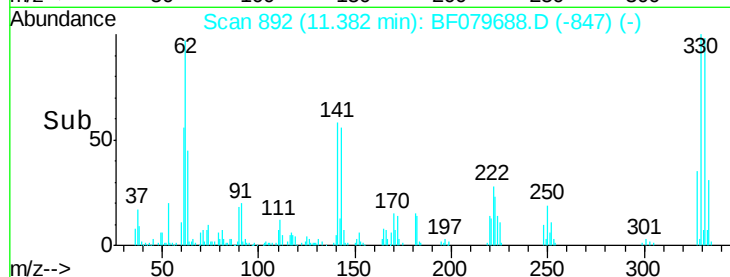
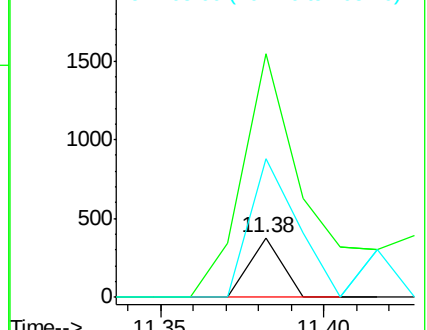
105 232.1 34.6 74.6#



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



#66

4-Bromophenyl-phenylether

Concen: 2.99 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.24 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

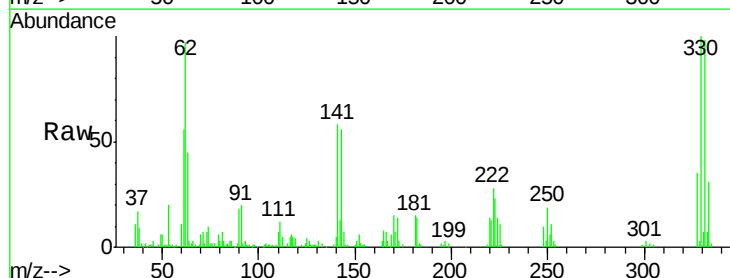
Tgt Ion:248 Resp: 9622

Ion Ratio Lower Upper

248 100

250 184.3 80.0 120.0#

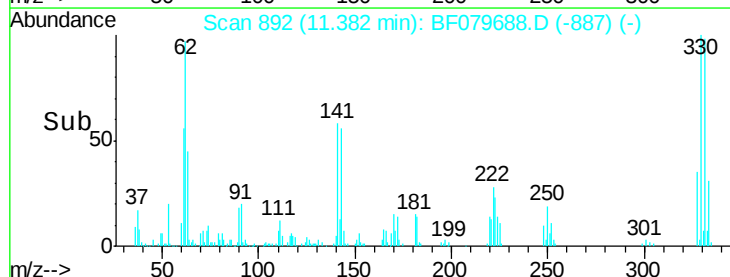
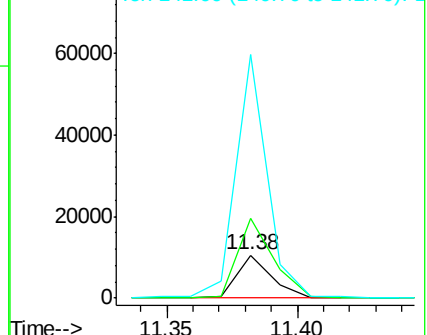
141 563.8 78.8 118.2#

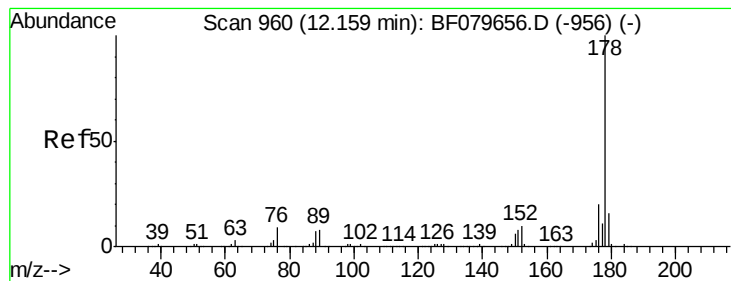


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 38.87 ng

RT: 12.12 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

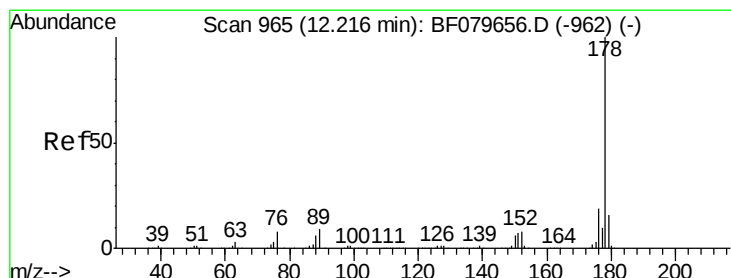
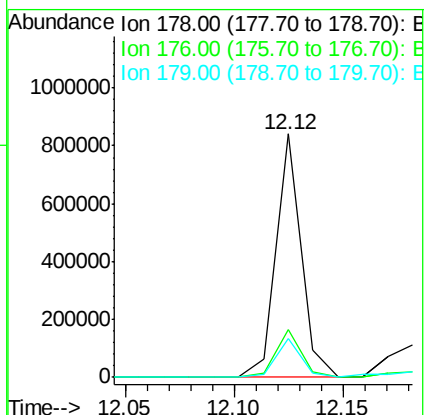
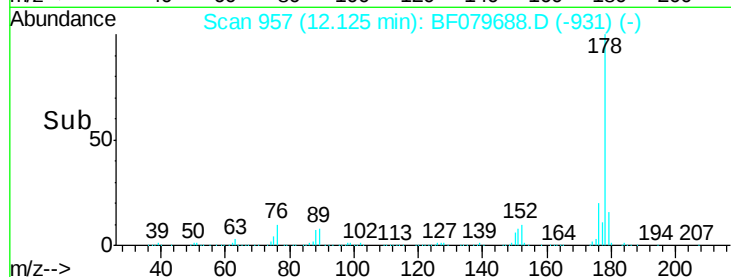
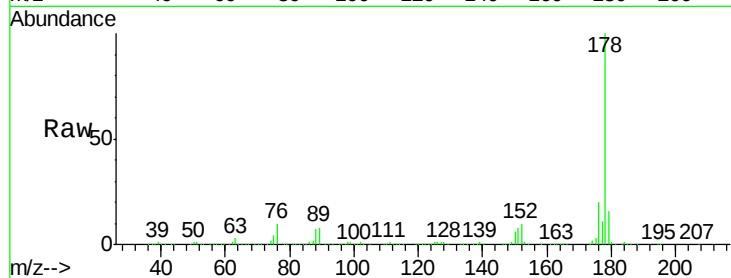
Tgt Ion:178 Resp: 688268

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 15.7 12.7 19.1



#71

Anthracene

Concen: 7.34 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

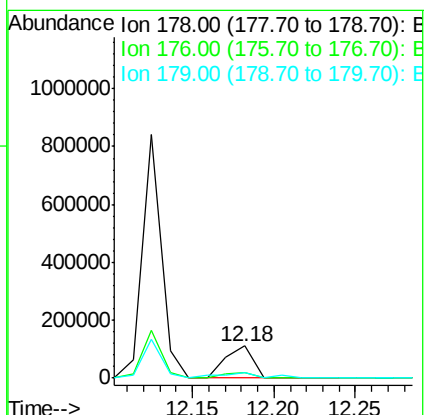
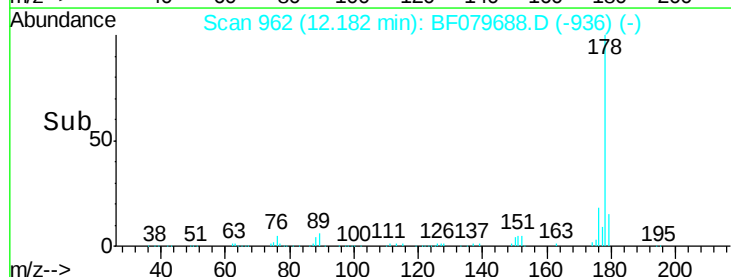
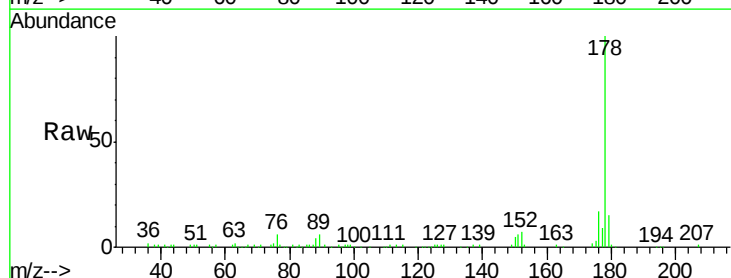
Tgt Ion:178 Resp: 130728

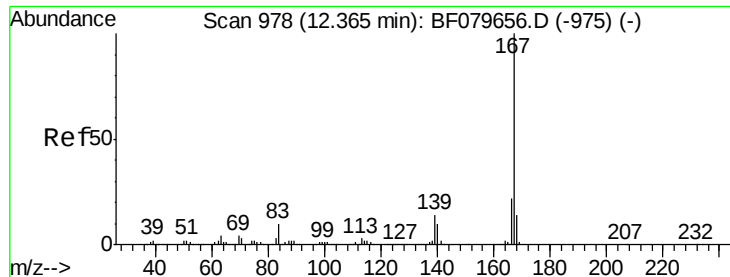
Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

179 15.4 12.6 19.0





#72

Carbazole

Concen: 2.72 ng

RT: 12.32 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

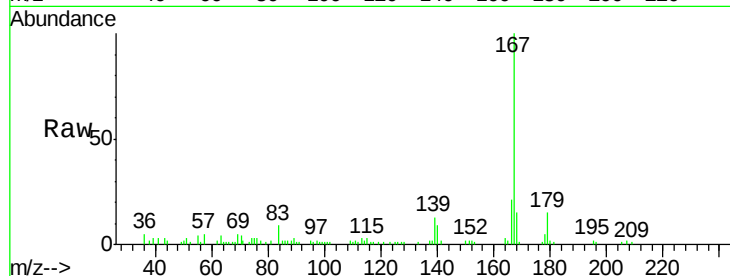
Tgt Ion:167 Resp: 44556

Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.2

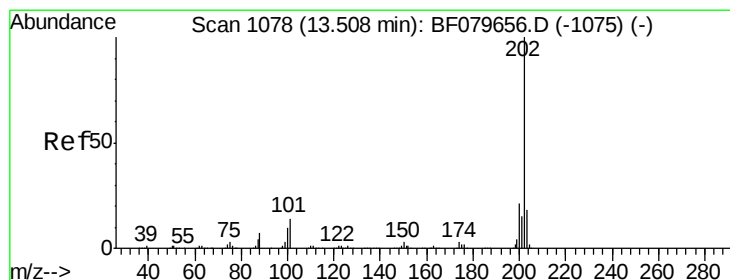
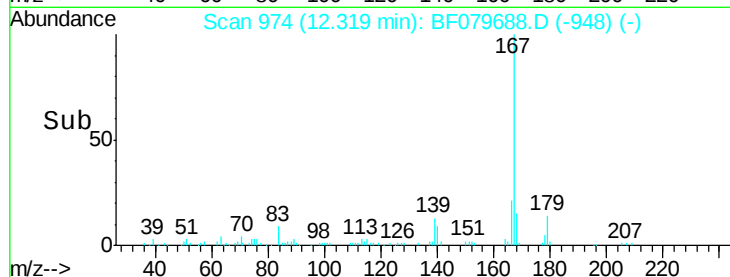
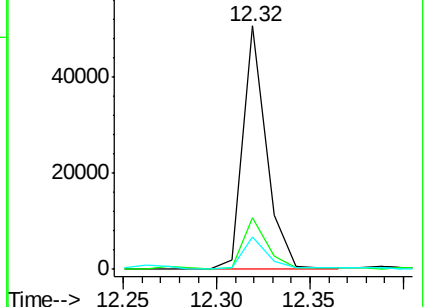
139 13.2 11.3 16.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 28.80 ng

RT: 13.37 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

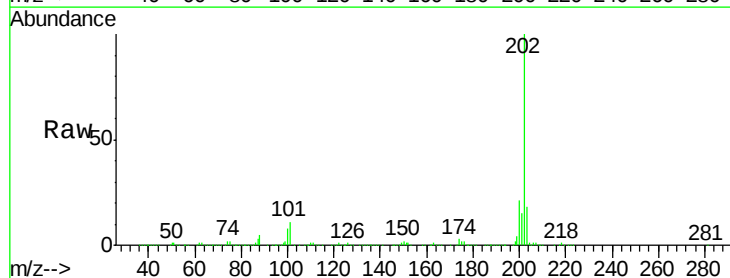
Tgt Ion:202 Resp: 549942

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.0

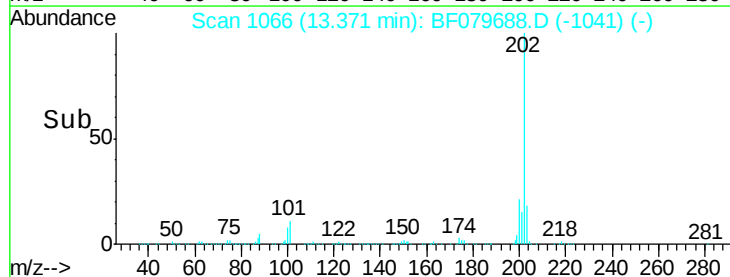
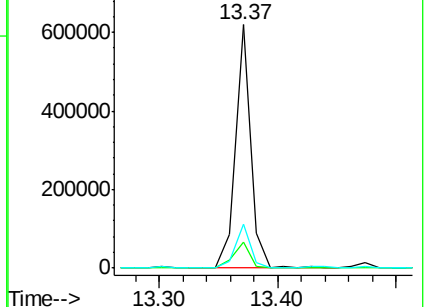
203 17.9 0.0 37.9

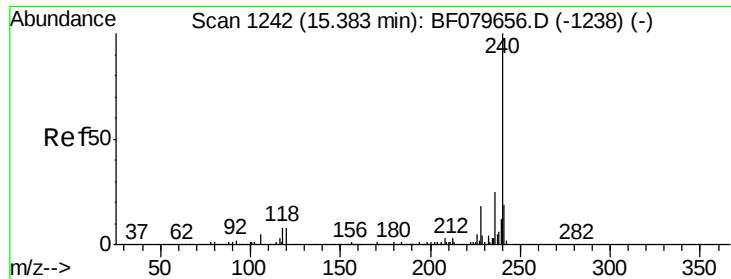


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.01 min Scan# 1209

Delta R.T. -0.03 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

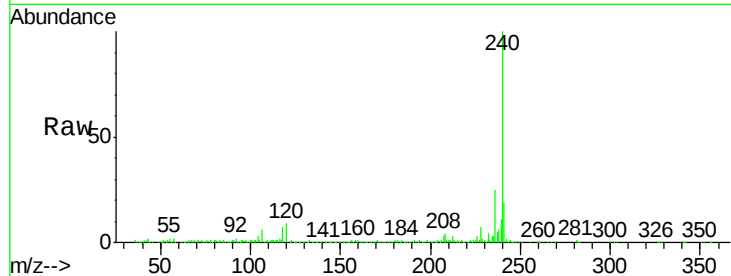
Tgt Ion:240 Resp: 330720

Ion Ratio Lower Upper

240 100

120 8.8 6.4 9.6

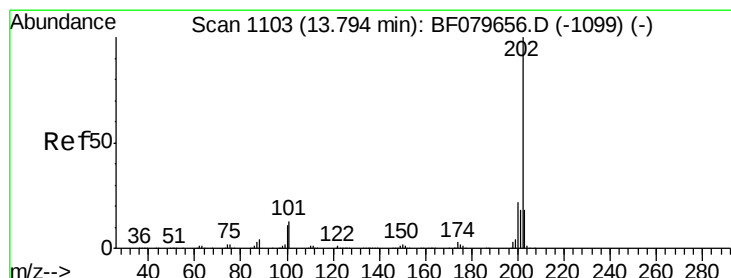
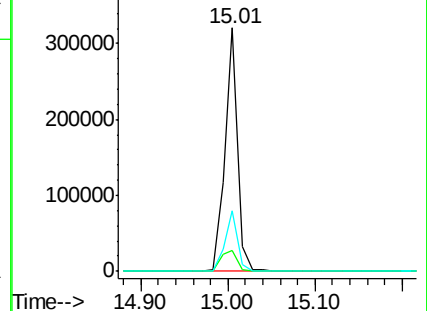
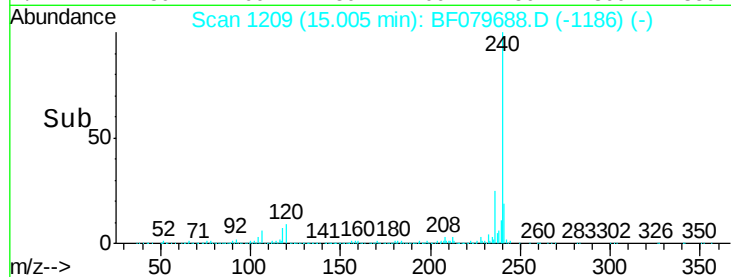
236 24.8 20.2 30.4



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



#77

Pyrene

Concen: 25.66 ng

RT: 13.62 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

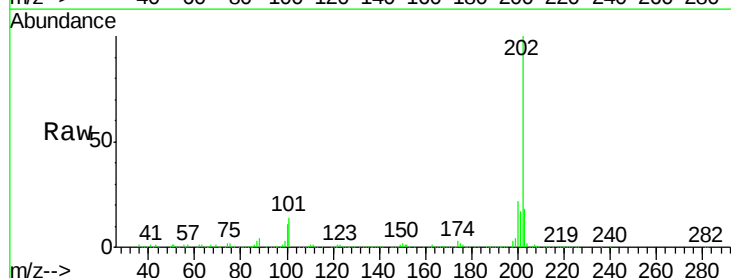
Tgt Ion:202 Resp: 488538

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.0

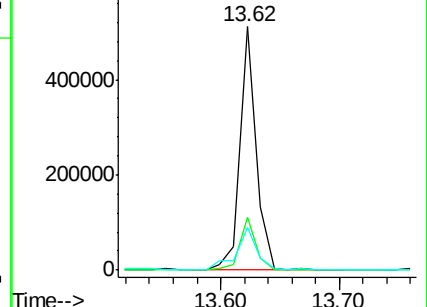
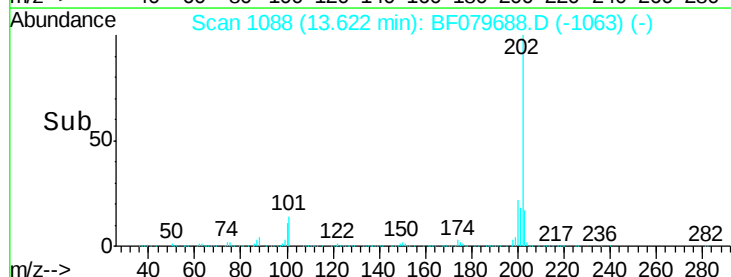
203 17.6 14.5 21.7

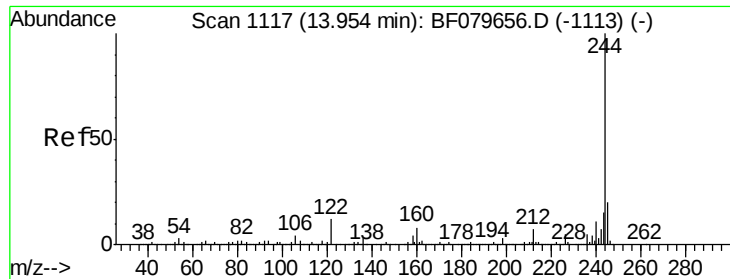


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.93 ng

RT: 13.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

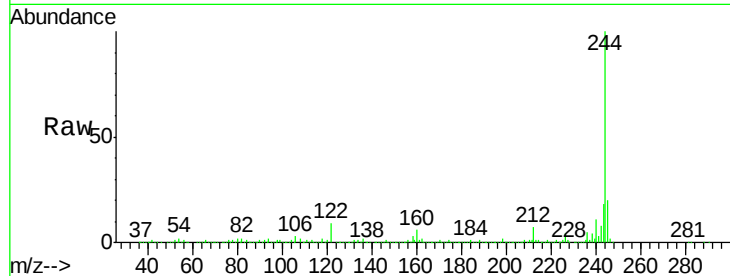
Tgt Ion:244 Resp: 811858

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

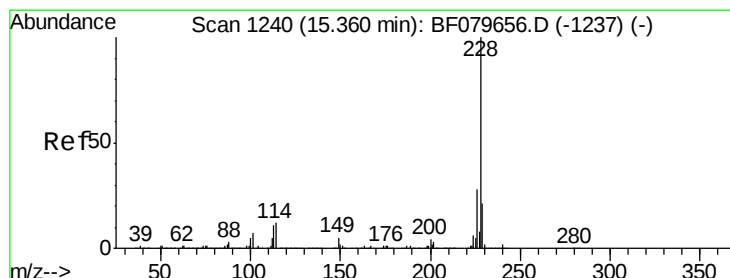
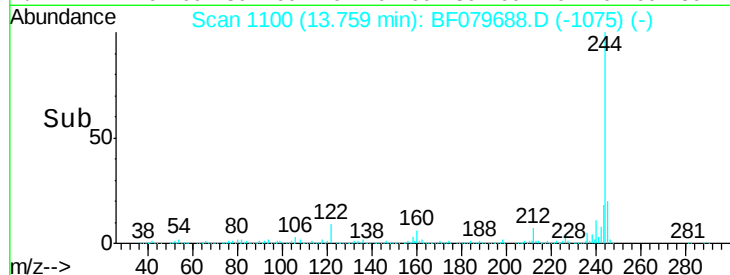
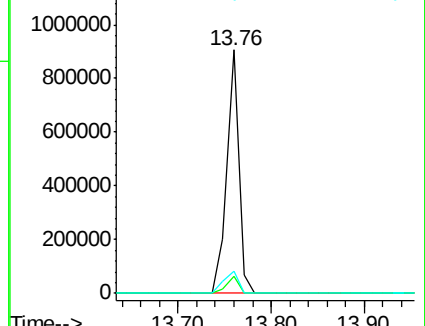
122 9.1 9.8 14.6#



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



#80

Benzo(a)anthracene

Concen: 12.11 ng

RT: 14.99 min Scan# 1208

Delta R.T. -0.03 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

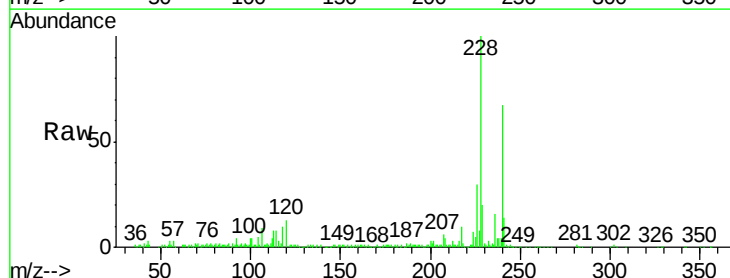
Tgt Ion:228 Resp: 218959

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

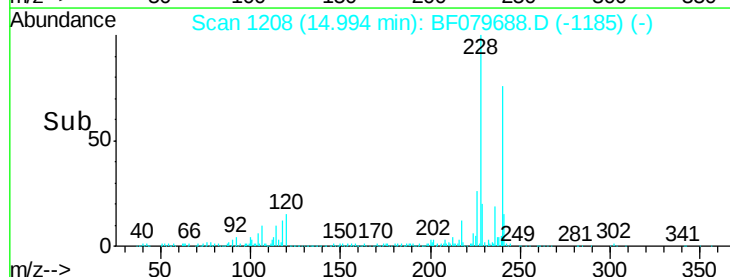
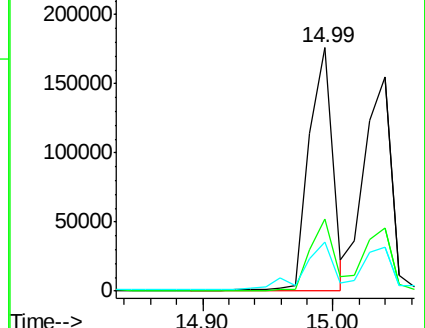
229 20.4 16.6 24.8

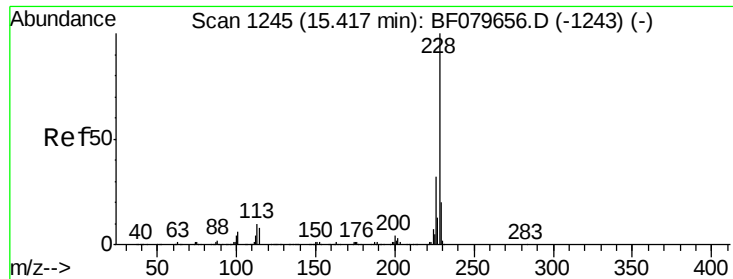


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.40 ng

RT: 15.04 min Scan# 1212

Delta R.T. -0.03 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

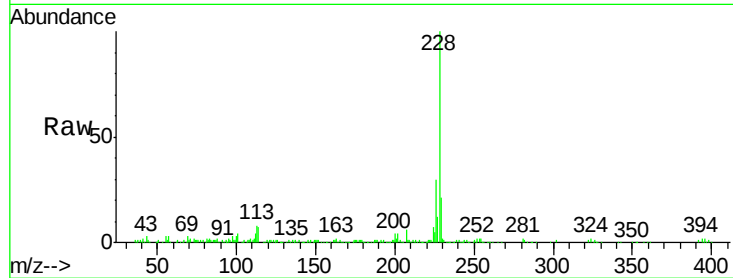
Tgt Ion:228 Resp: 225694

Ion Ratio Lower Upper

228 100

226 29.5 25.2 37.8

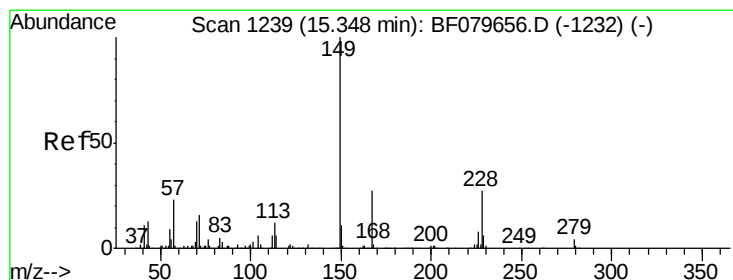
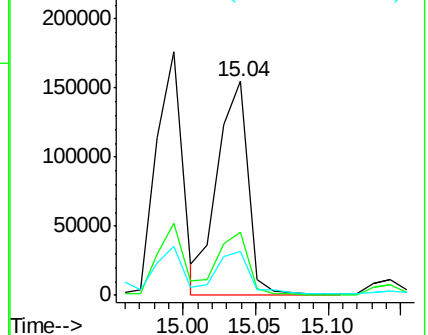
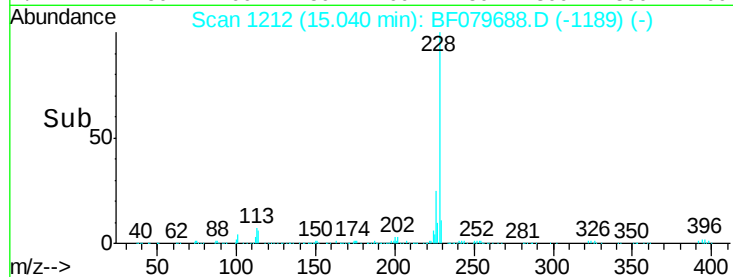
229 20.6 16.3 24.5



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: 4.08 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.05 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

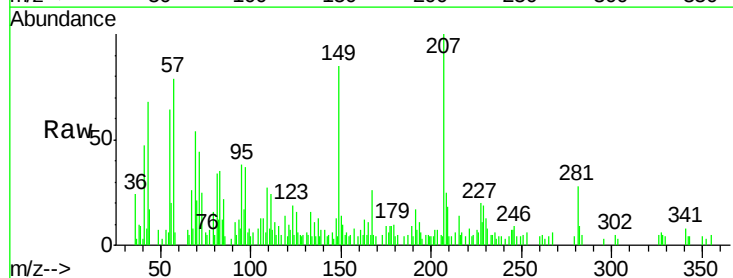
Tgt Ion:149 Resp: 10050

Ion Ratio Lower Upper

149 100

167 30.3 21.6 32.4

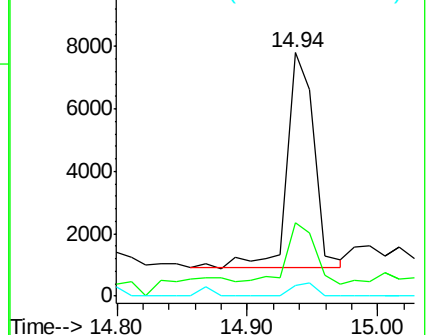
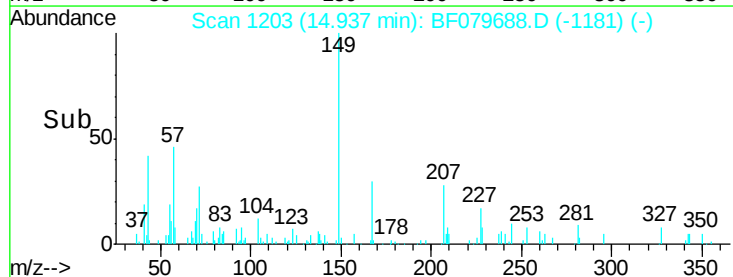
279 4.4 3.1 4.7

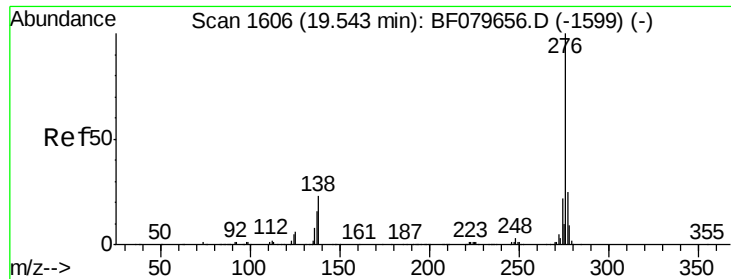


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.90 ng

RT: 18.95 min Scan# 1554

Delta R.T. -0.06 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

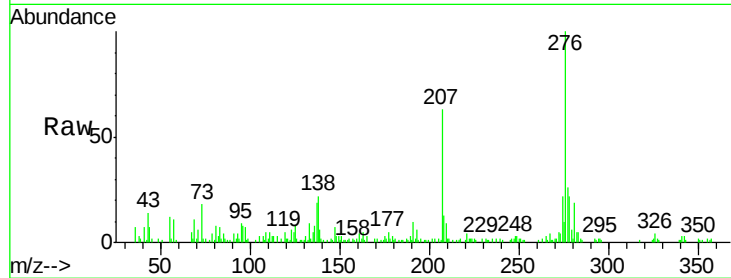
Tgt Ion:276 Resp: 69442

Ion Ratio Lower Upper

276 100

138 22.5 21.9 32.9

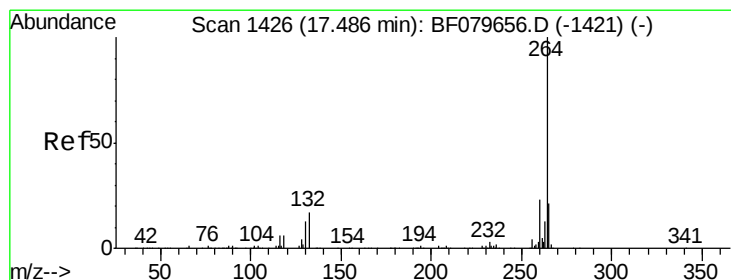
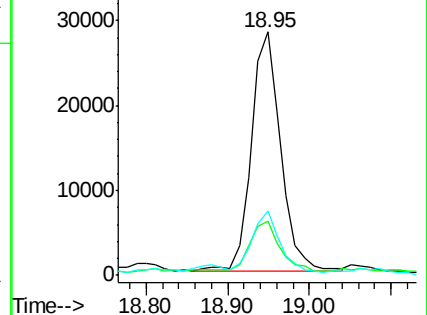
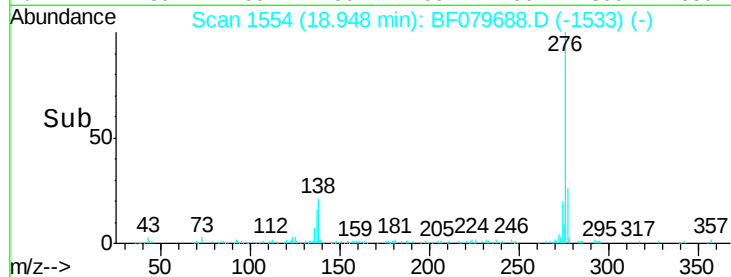
277 24.0 20.2 30.4



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: 16.94 min Scan# 1378

Delta R.T. -0.05 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

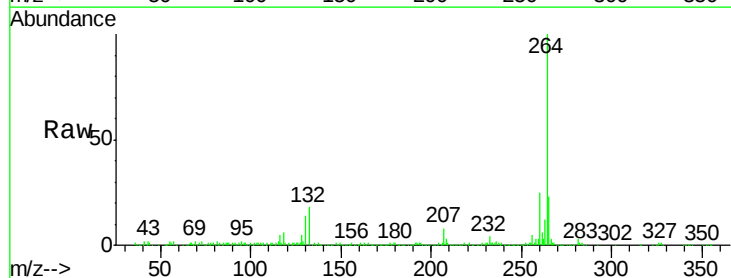
Tgt Ion:264 Resp: 324602

Ion Ratio Lower Upper

264 100

260 25.0 18.8 28.2

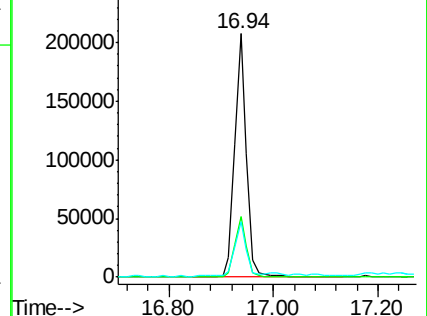
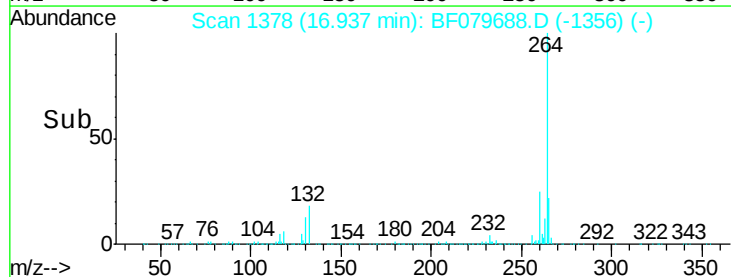
265 22.8 17.4 26.0

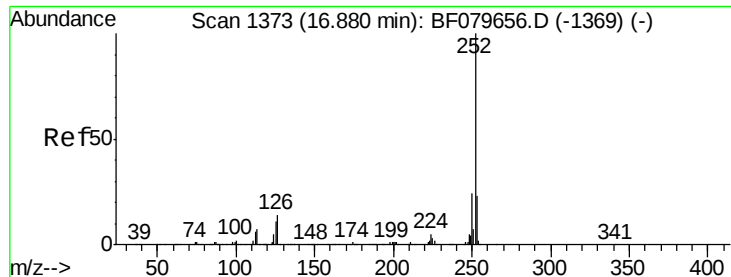


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.68 ng

RT: 16.35 min Scan# 1327

Delta R.T. -0.05 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

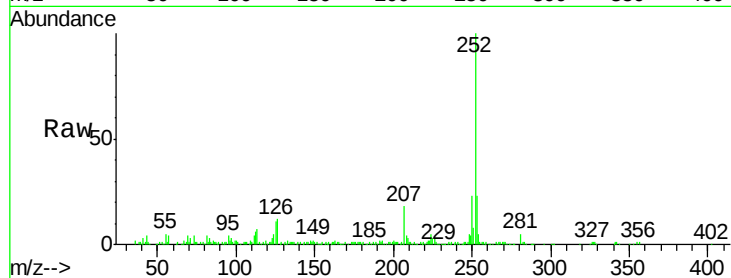
Tgt Ion:252 Resp: 263086

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

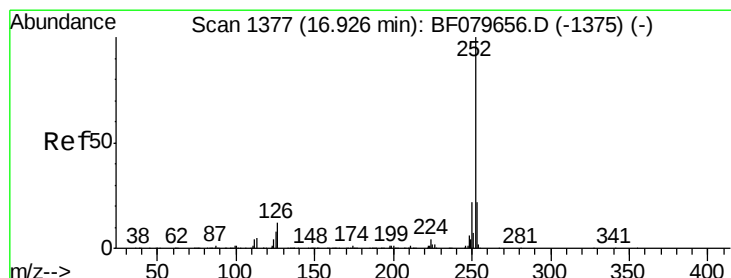
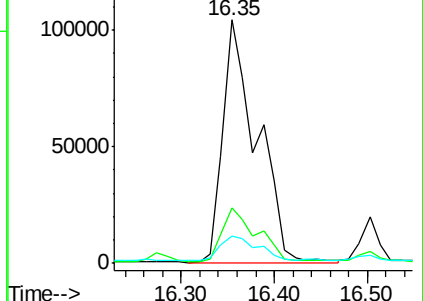
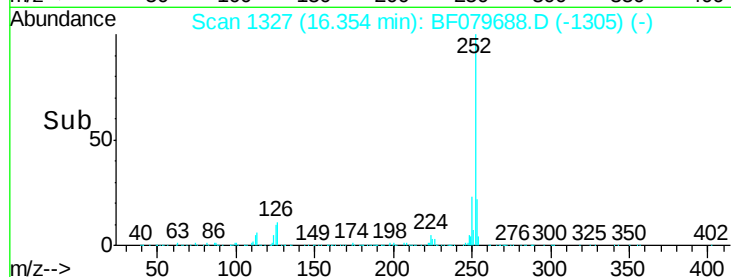
125 11.1 8.7 13.1



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: 13.39 ng

RT: 16.35 min Scan# 1327

Delta R.T. -0.09 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

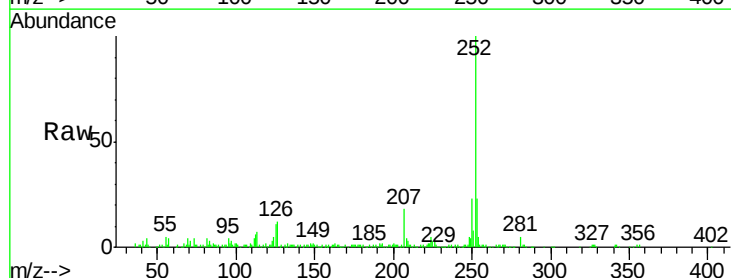
Tgt Ion:252 Resp: 263086

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

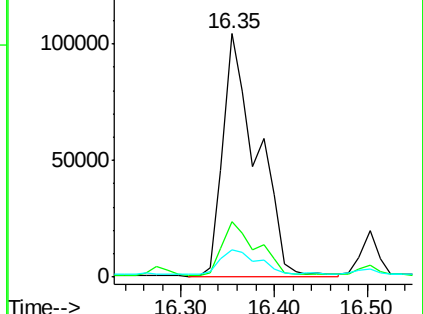
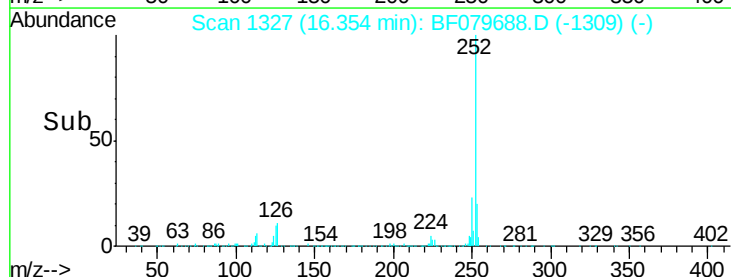
125 11.1 7.1 10.7#

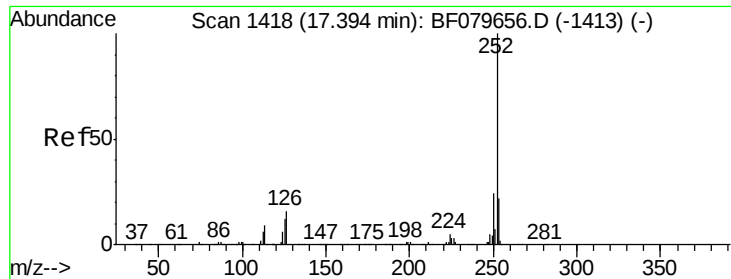


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.89 ng

RT: 16.85 min Scan# 1370

Delta R.T. -0.06 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

ClientSampleId :

PENRD8.3(4)

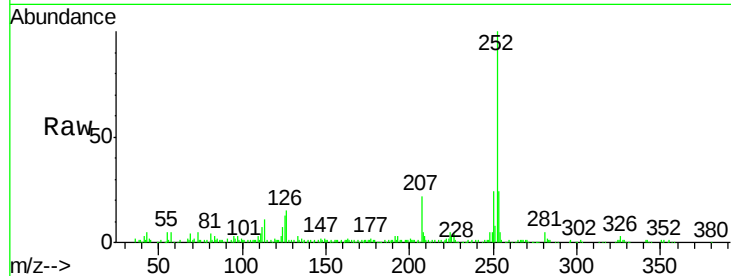
Tgt Ion:252 Resp: 145790

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

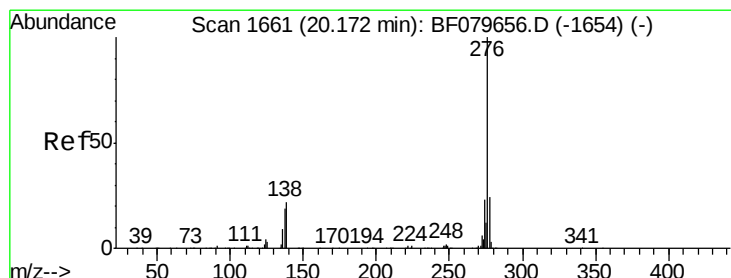
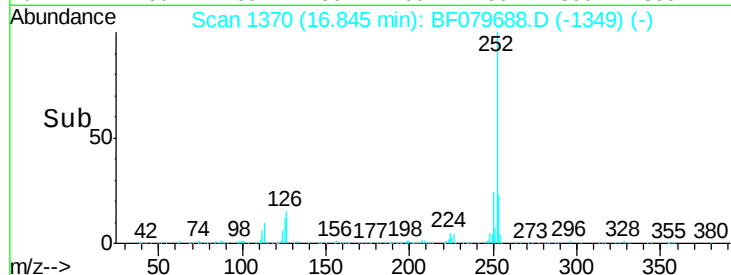
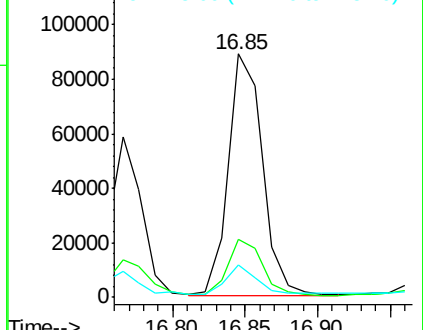
125 13.1 9.4 14.0



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



#91

Benzo(g,h,i)perylene

Concen: 3.82 ng

RT: 19.55 min Scan# 1607

Delta R.T. -0.06 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

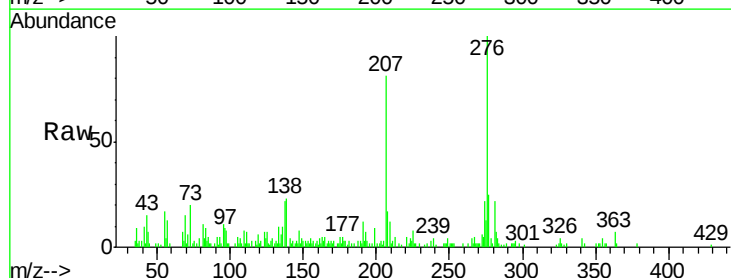
Tgt Ion:276 Resp: 62296

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 23.4 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

