

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051115\
 Data File : BF079125.D
 Acq On : 11 May 2015 19:41
 Operator : TP/IZ
 Sample : G2146-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: May 12 01:57:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 01:34:40 2015
 Response via : Initial Calibration

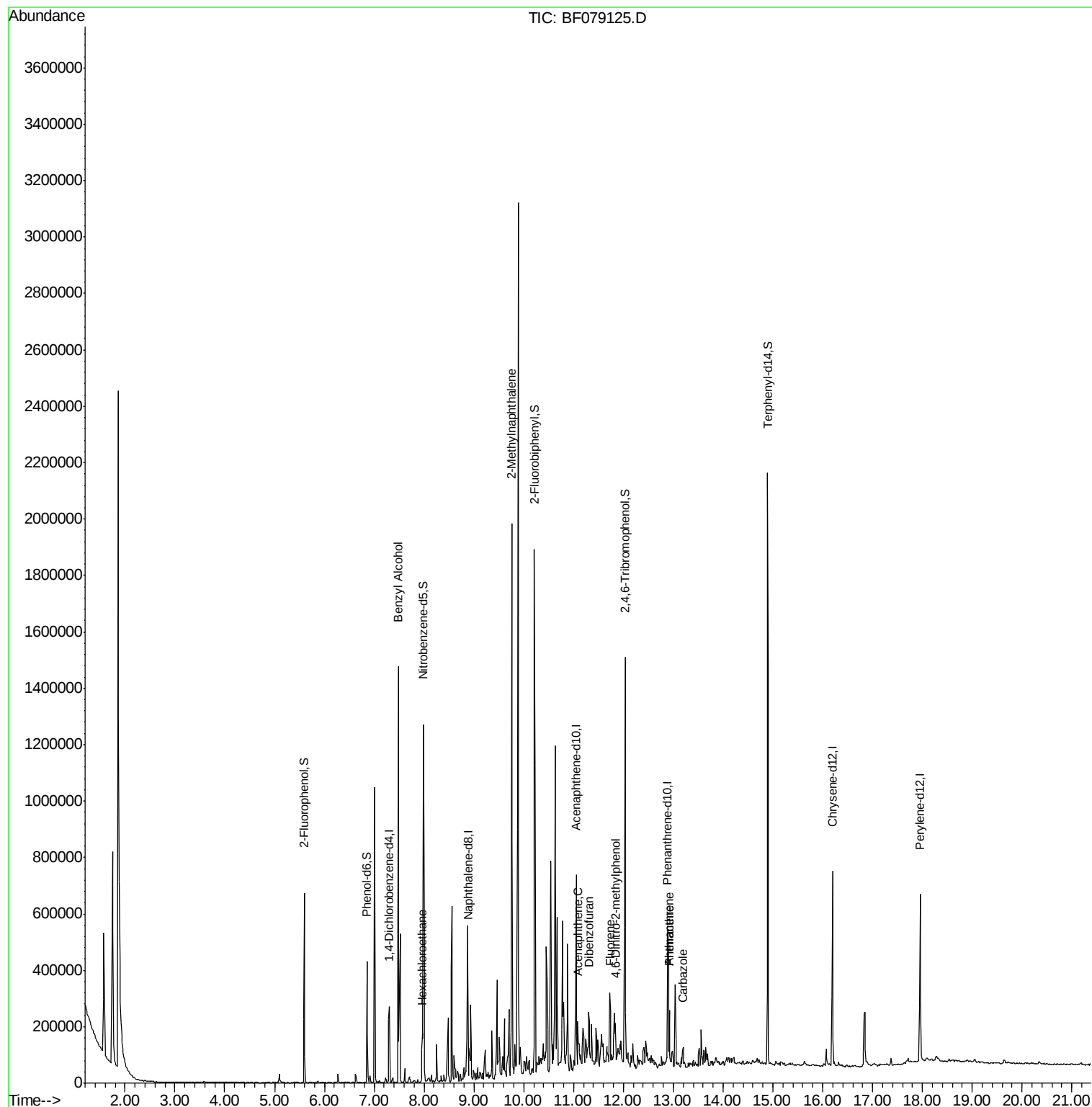
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	58876	20.00	ng	0.00
21) Naphthalene-d8	8.88	136	242464	20.00	ng	0.00
38) Acenaphthene-d10	11.05	164	125985	20.00	ng	0.00
63) Phenanthrene-d10	12.89	188	237742	20.00	ng	-0.01
75) Chrysene-d12	16.19	240	259758	20.00	ng	-0.03
86) Perylene-d12	17.95	264	264053	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	203078	59.37	ng	0.01
7) Phenol-d6	6.86	99	161535	35.73	ng	0.00
23) Nitrobenzene-d5	7.99	82	355317	84.22	ng	0.00
41) 2,4,6-Tribromophenol	12.03	330	188162	138.06	ng	0.00
44) 2-Fluorobiphenyl	10.22	172	725303	80.21	ng	-0.01
78) Terphenyl-d14	14.89	244	902786	83.21	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	7.48	79	7061	2.10	ng	# 45
18) Hexachloroethane	7.95	117	22214	14.37	ng	# 34
37) 2-Methylnaphthalene	9.76	142	609562	76.14	ng	99
51) Acenaphthene	11.09	154	34411	4.50	ng	99
54) Dibenzofuran	11.30	168	44014	3.98	ng	# 91
57) Fluorene	11.74	166	62036	6.84	ng	# 98
64) 4,6-Dinitro-2-methylphenol	11.84	198	4260	7.07	ng	# 59
70) Phenanthrene	12.93	178	74505	5.60	ng	97
71) Anthracene	12.93	178	72362	5.55	ng	97
72) Carbazole	13.20	167	39556	3.18	ng	96

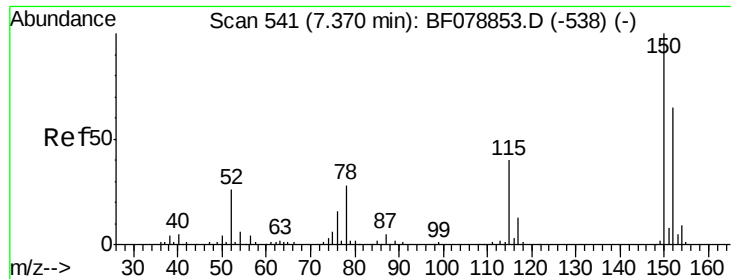
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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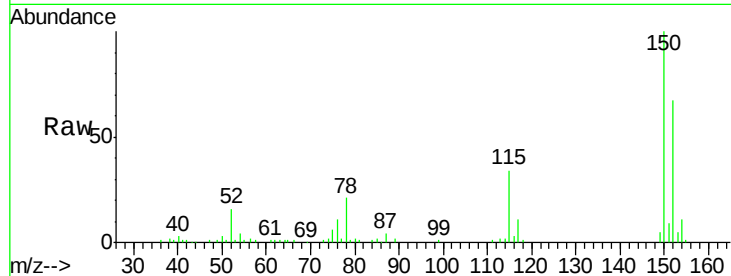




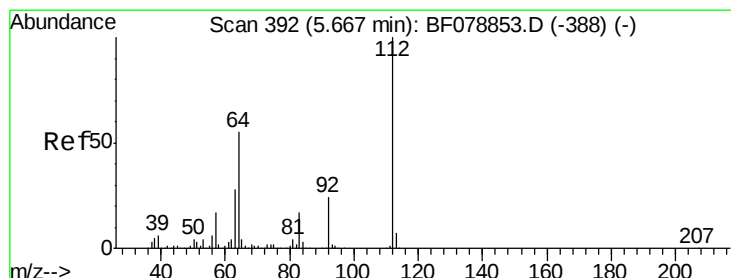
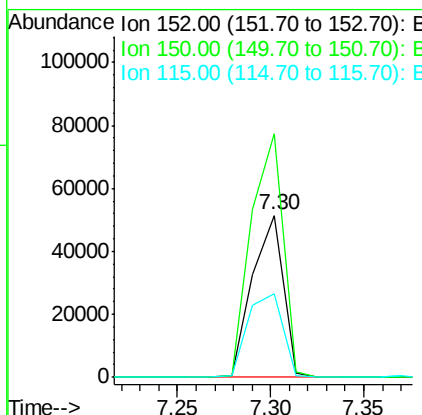
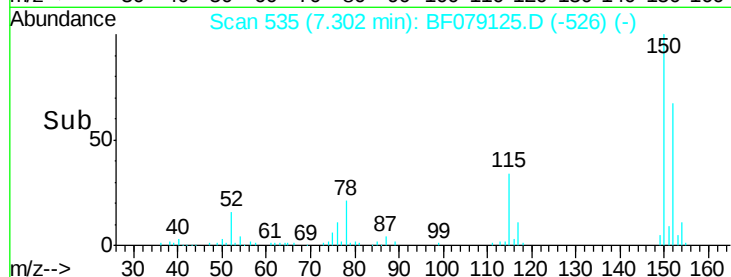
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.30 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:152 Resp: 58876
 Ion Ratio Lower Upper
 152 100
 150 150.0 122.0 183.0
 115 51.3 46.3 69.5

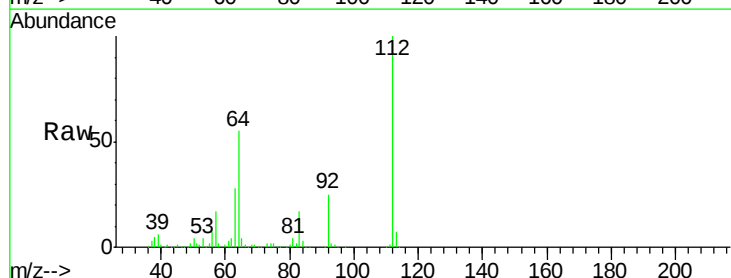


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

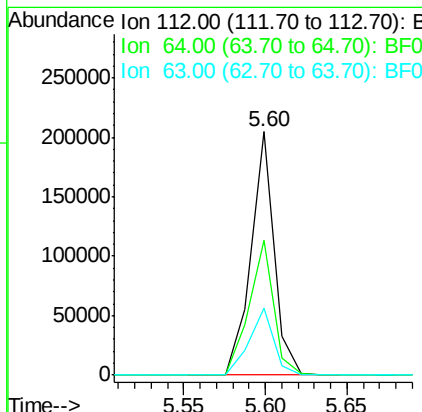
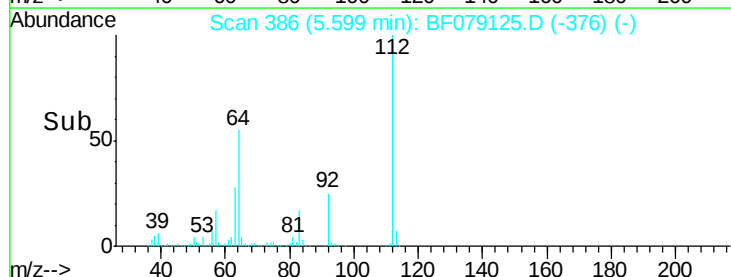


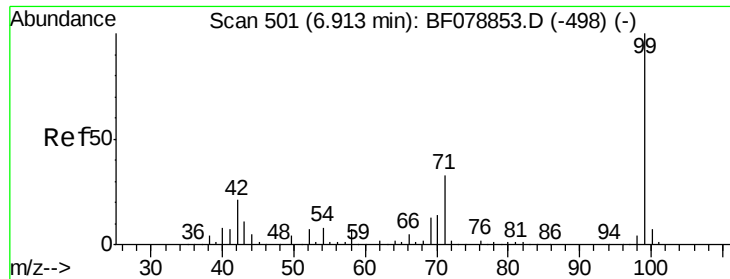
#5
 2-Fluorophenol
 Concen: 59.37 ng
 RT: 5.60 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Tgt Ion:112 Resp: 203078
 Ion Ratio Lower Upper
 112 100
 64 55.5 53.5 80.3
 63 27.6 27.5 41.3



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: 35.73 ng

RT: 6.86 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampleId :

MW-4

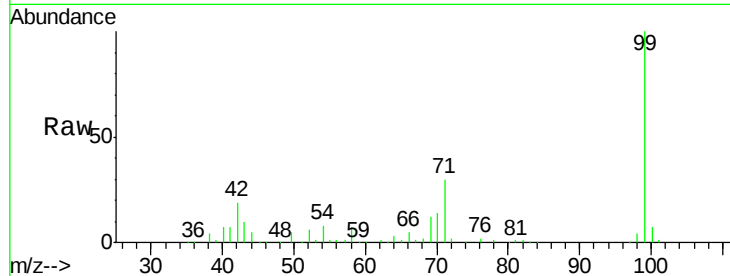
Tgt Ion: 99 Resp: 161535

Ion Ratio Lower Upper

99 100

42 19.3 12.8 19.2#

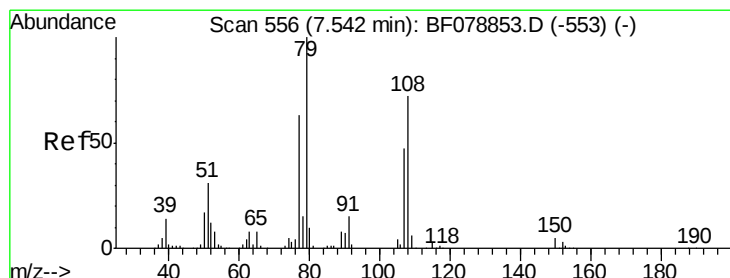
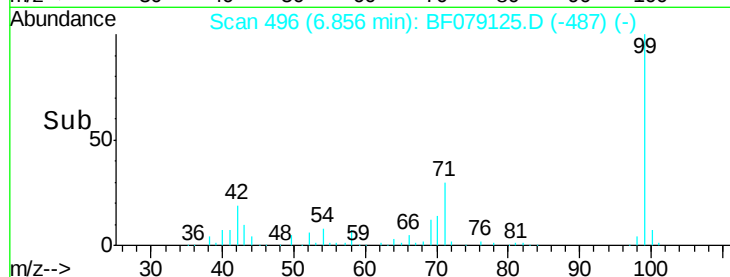
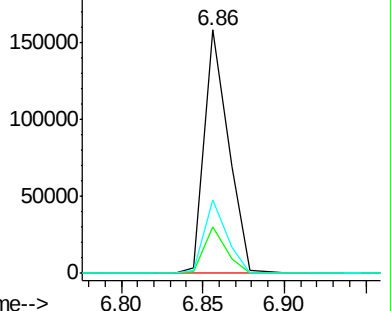
71 30.3 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.48 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

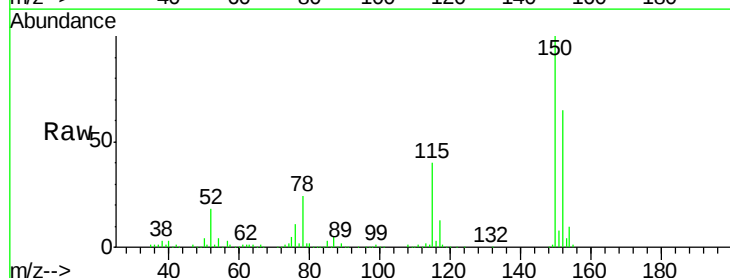
Tgt Ion: 79 Resp: 7061

Ion Ratio Lower Upper

79 100

108 36.0 62.5 93.7#

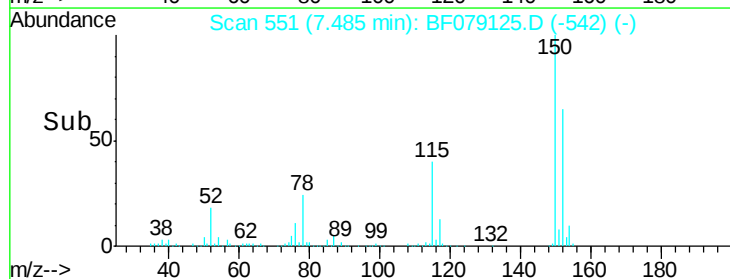
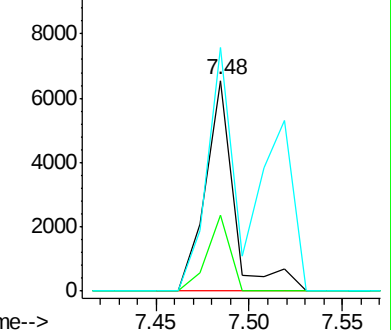
77 115.5 52.2 78.4#

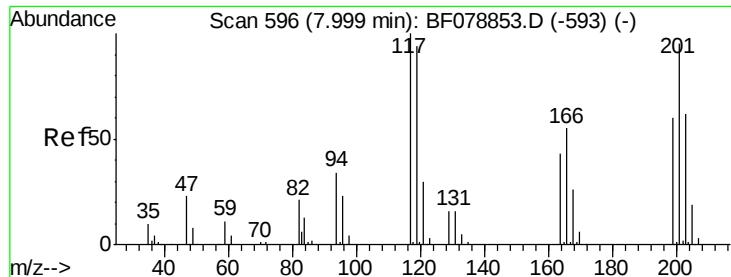


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

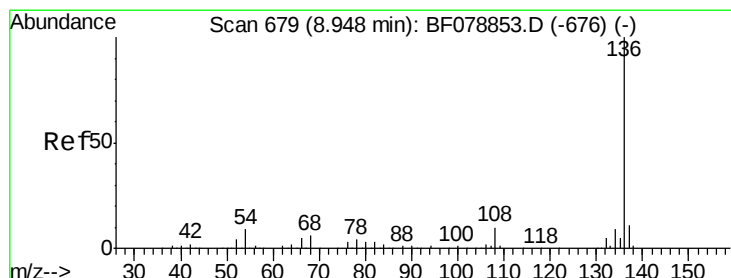
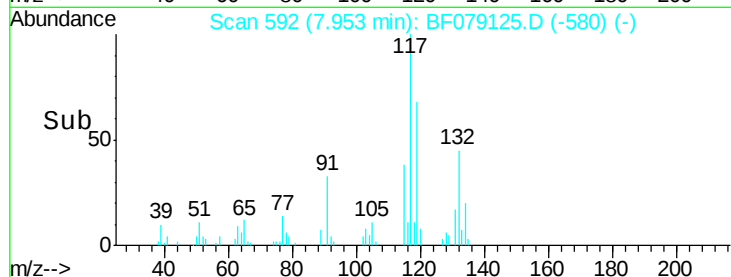
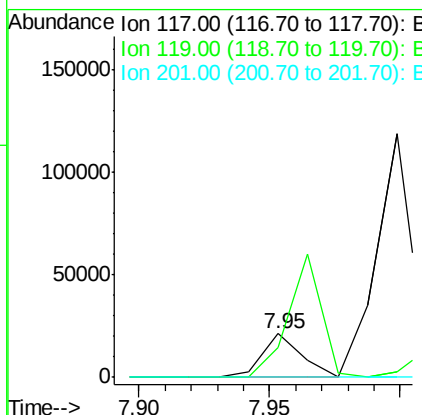
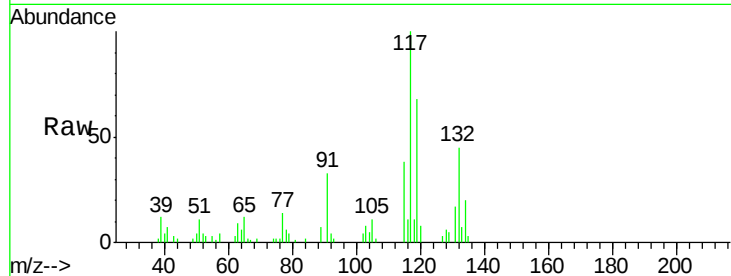




#18
Hexachloroethane
Concen: 14.37 ng
RT: 7.95 min Scan# 592
Delta R.T. 0.03 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

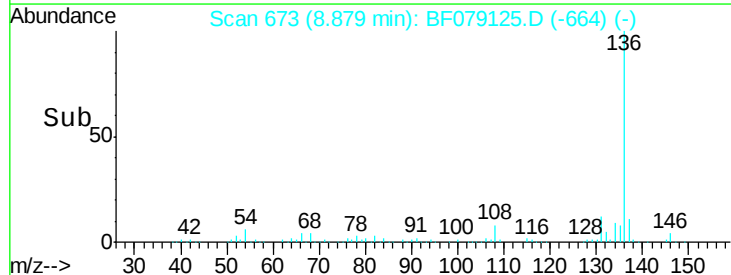
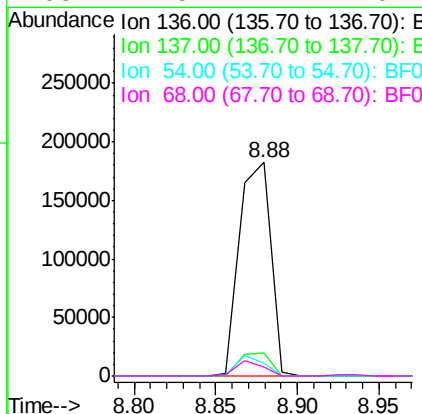
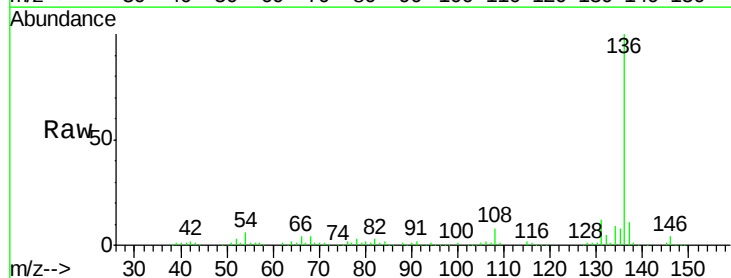
Instrument :
BNA_F
ClientSampleId :
MW-4

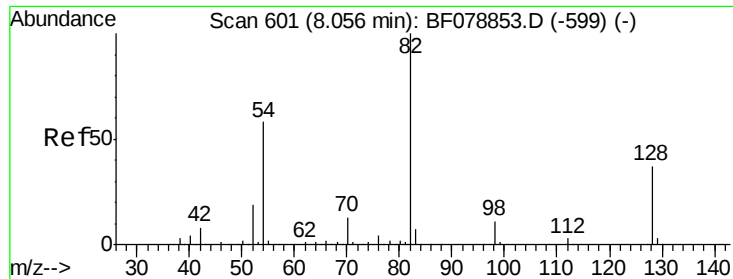
Tgt Ion:117 Resp: 22214
Ion Ratio Lower Upper
117 100
119 68.3 75.4 113.0#
201 0.0 83.2 124.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.88 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Tgt Ion:136 Resp: 242464
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.7 5.8 8.8#
68 4.5 4.2 6.4

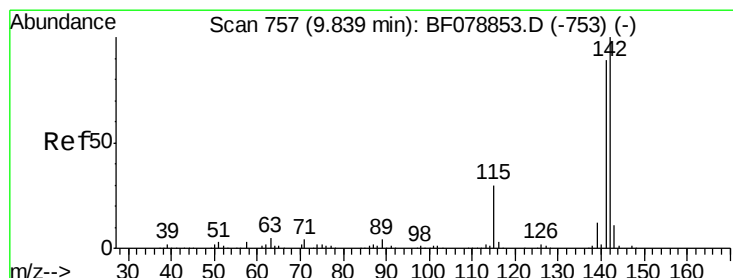
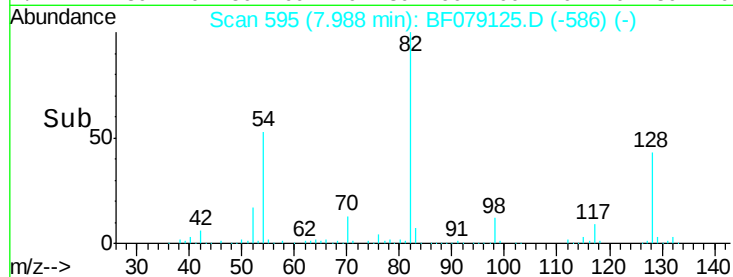
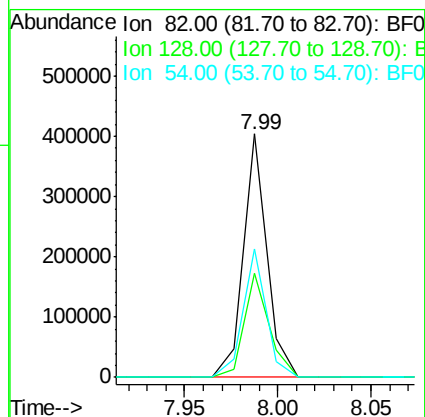
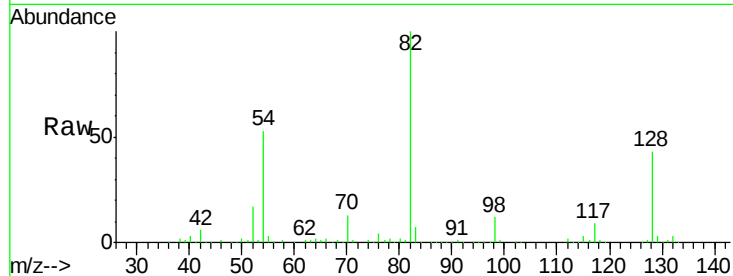




#23
 Nitrobenzene-d5
 Concen: 84.22 ng
 RT: 7.99 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

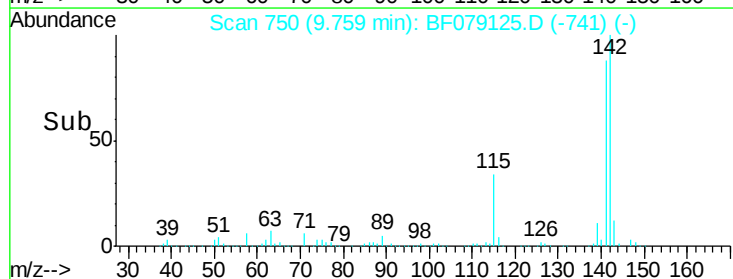
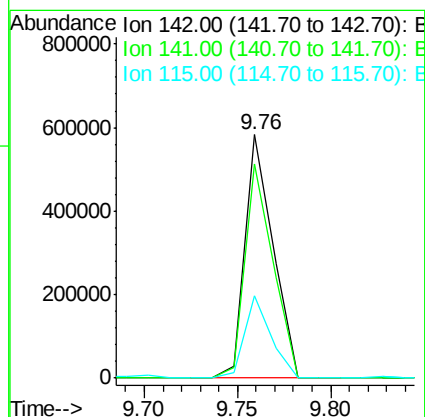
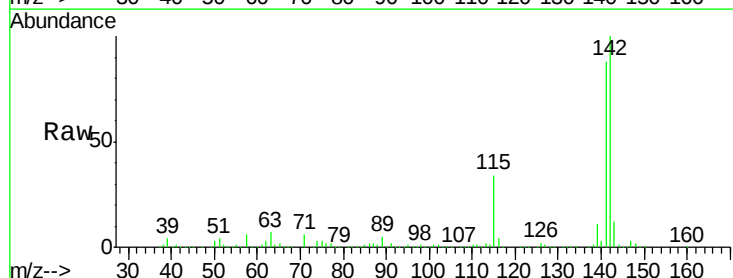
Instrument :
 BNA_F
 ClientSampleId :
 MW-4

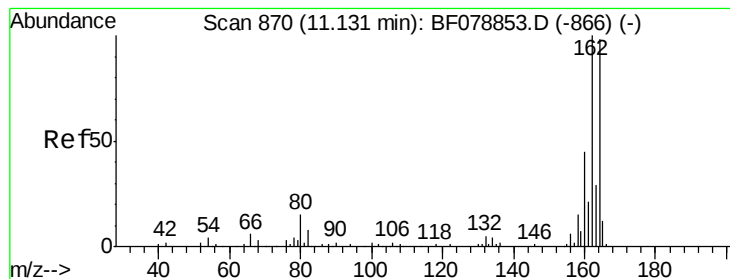
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	30.0	45.0
54	53.0	46.4	69.6



#37
 2-Methylnaphthalene
 Concen: 76.14 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079125.D
 Acq: 11 May 2015 19:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.9	106.3
115	34.0	28.5	42.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampleId :

MW-4

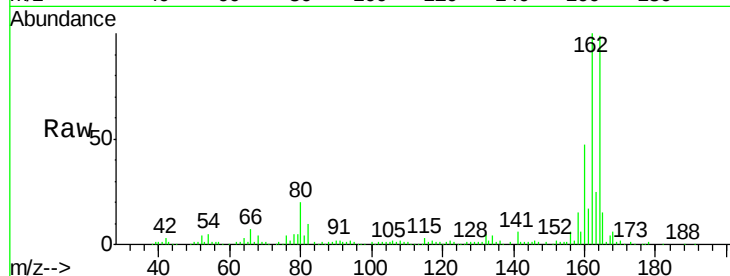
Tgt Ion:164 Resp: 125985

Ion Ratio Lower Upper

164 100

162 101.2 82.7 124.1

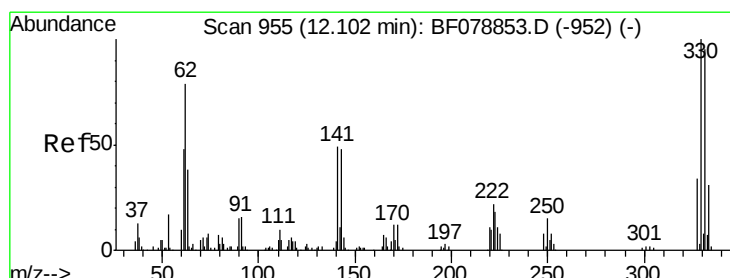
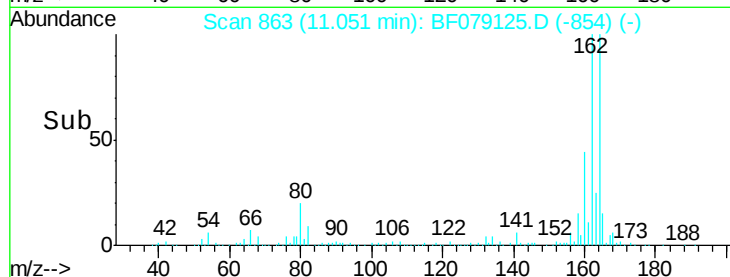
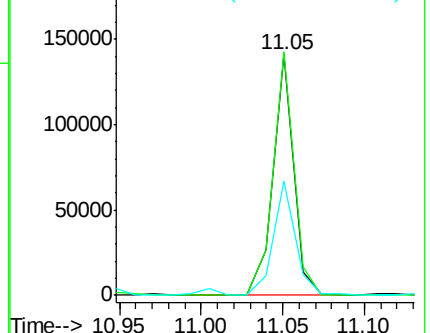
160 47.3 35.8 53.8



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: 138.06 ng

RT: 12.03 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

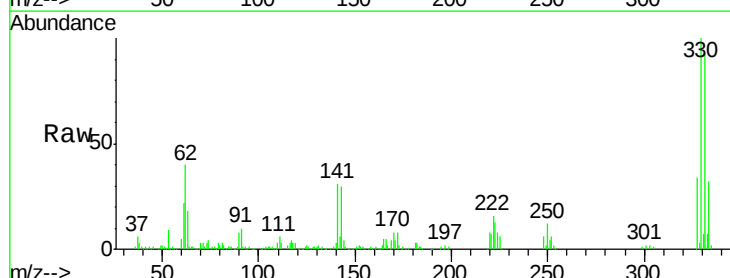
Tgt Ion:330 Resp: 188162

Ion Ratio Lower Upper

330 100

332 94.3 0.0 0.0#

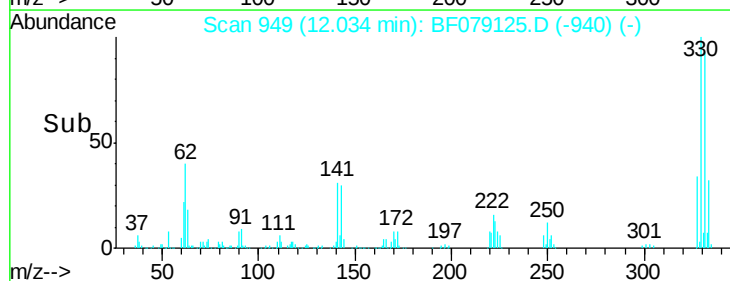
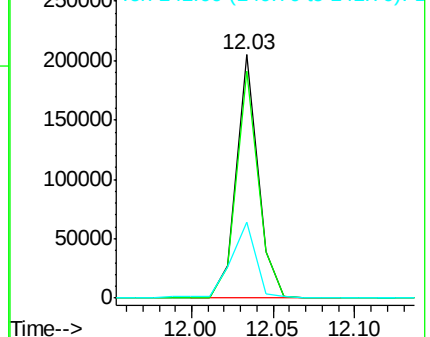
141 34.7 0.0 0.0#

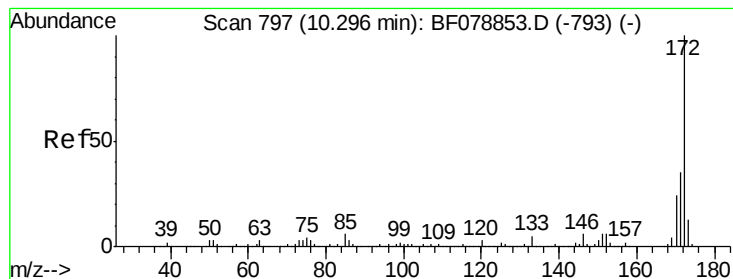


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.21 ng

RT: 10.22 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

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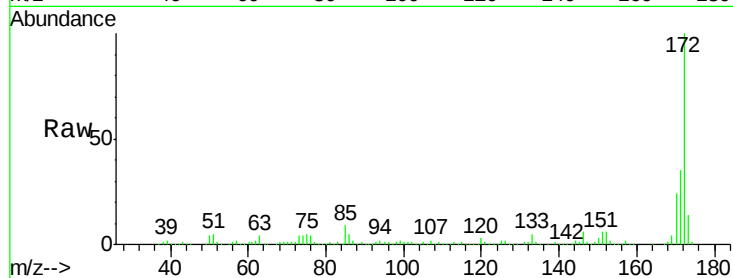
Tgt Ion:172 Resp: 725303

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

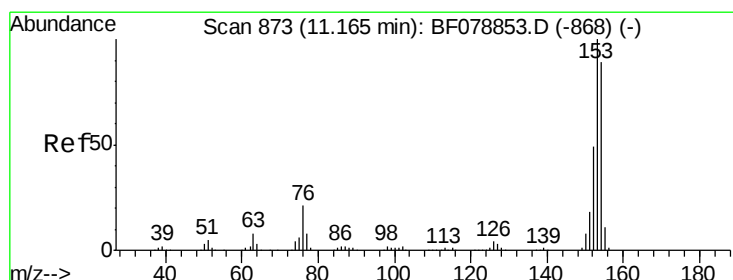
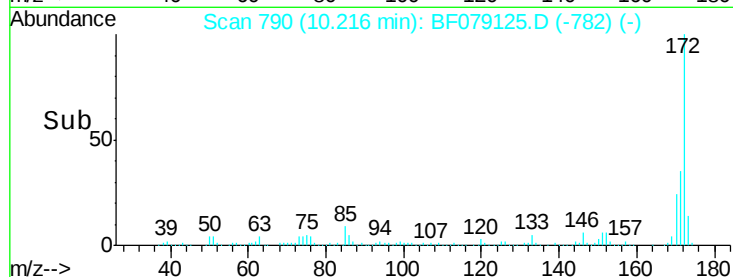
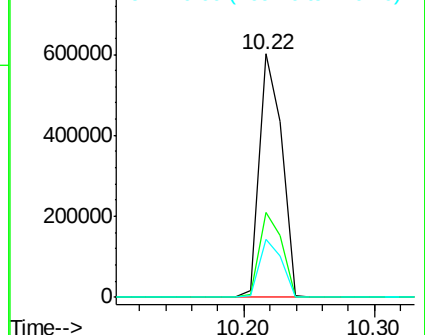
170 23.6 19.4 29.0



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



#51

Acenaphthene

Concen: 4.50 ng

RT: 11.09 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

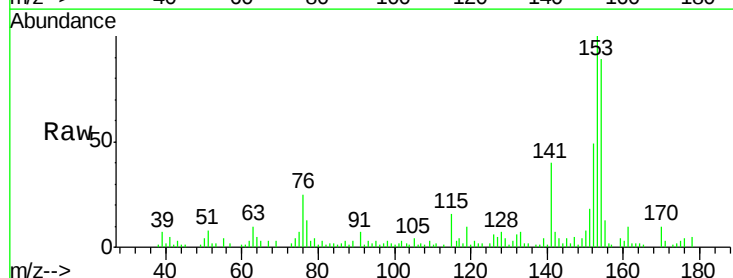
Tgt Ion:154 Resp: 34411

Ion Ratio Lower Upper

154 100

153 112.7 91.5 137.3

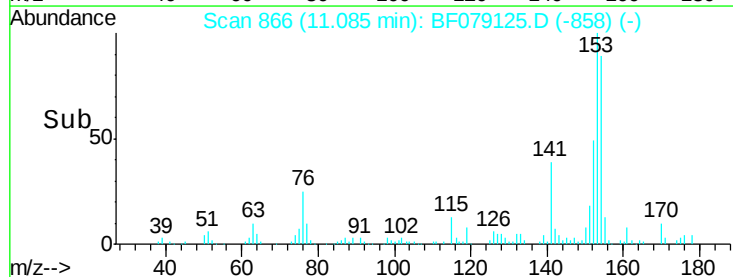
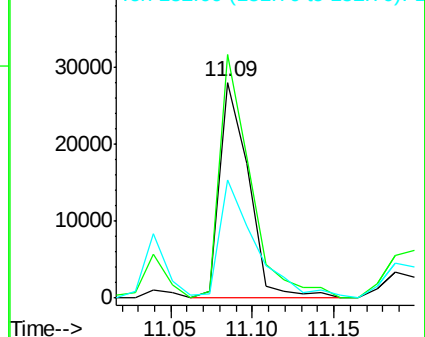
152 54.8 44.2 66.4

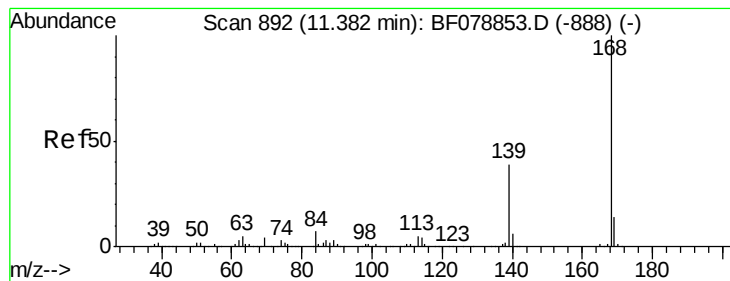


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.98 ng

RT: 11.30 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

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ClientSampleId :

MW-4

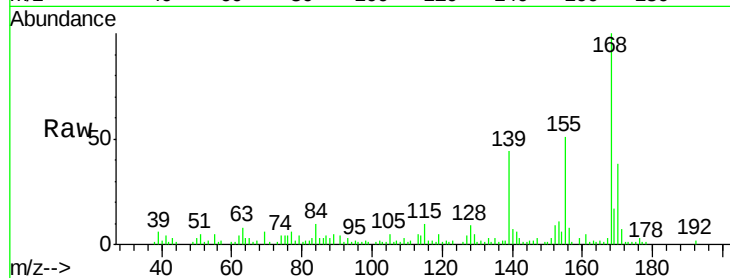
Tgt Ion:168 Resp: 44014

Ion Ratio Lower Upper

168 100

139 43.9 31.0 46.4

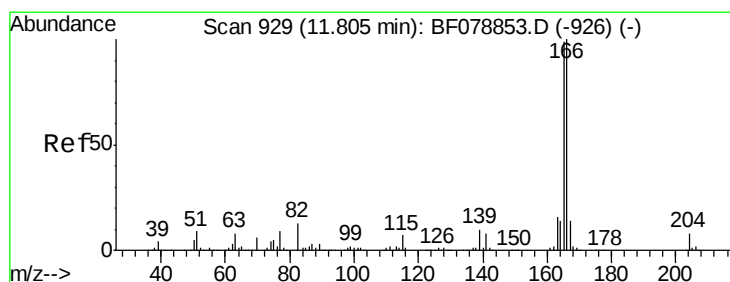
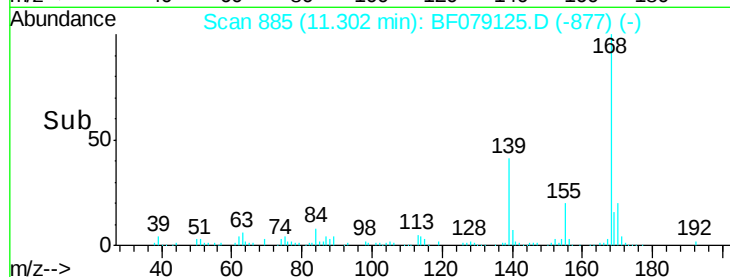
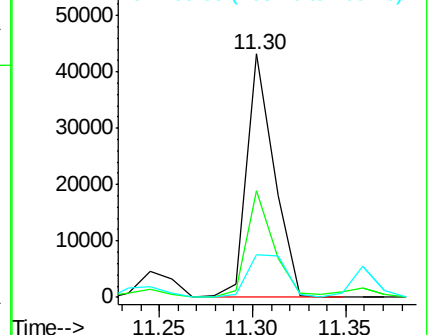
169 17.5 10.6 16.0#



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



#57

Fluorene

Concen: 6.84 ng

RT: 11.74 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

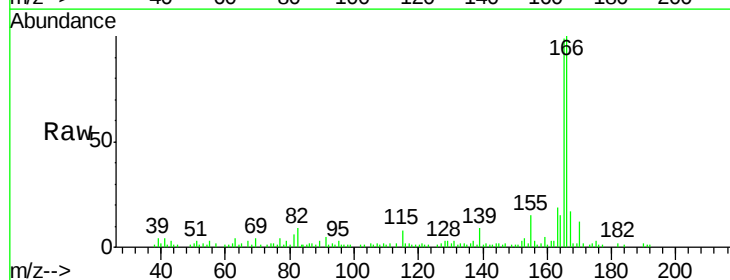
Tgt Ion:166 Resp: 62036

Ion Ratio Lower Upper

166 100

165 99.4 78.5 117.7

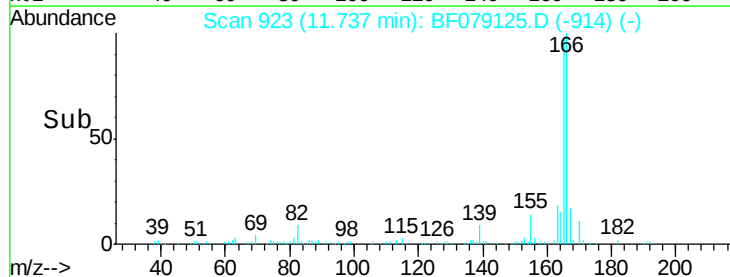
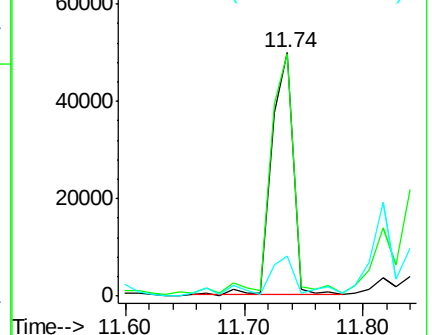
167 16.7 11.0 16.6#

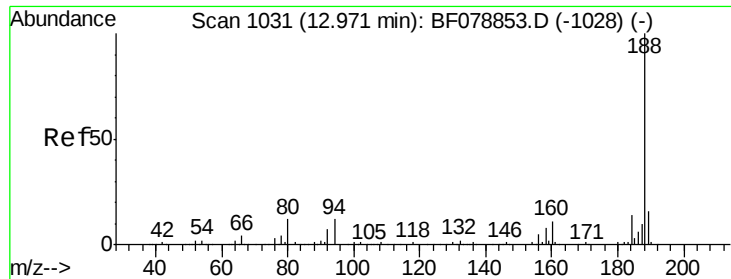


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

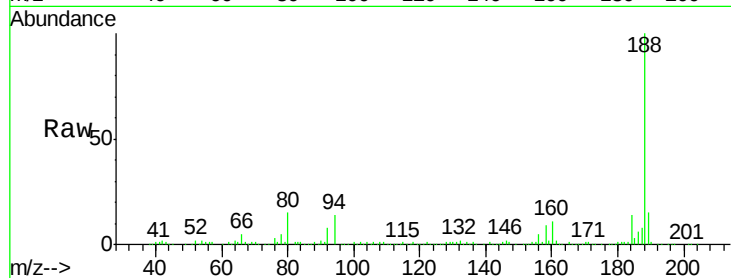




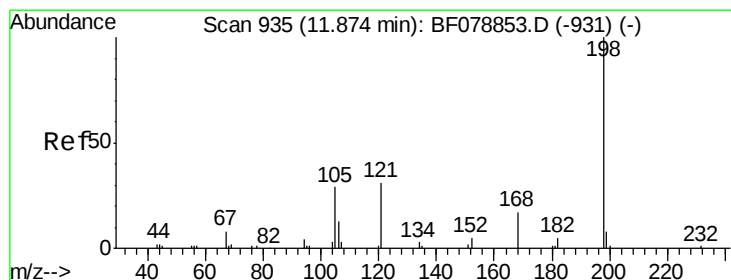
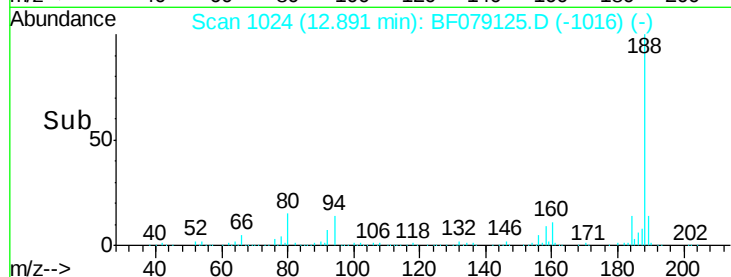
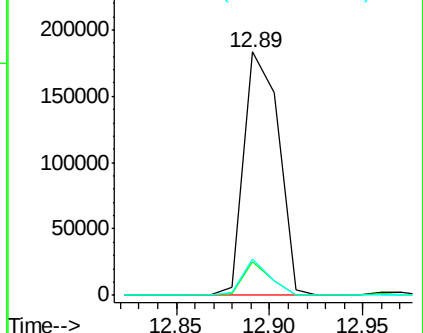
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.89 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion:188 Resp: 237742
Ion Ratio Lower Upper
188 100
94 13.9 8.2 12.2#
80 14.8 8.9 13.3#

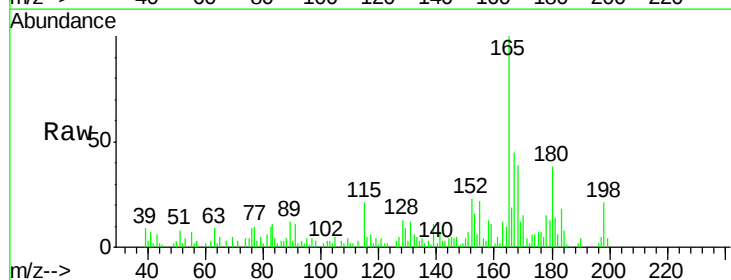


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

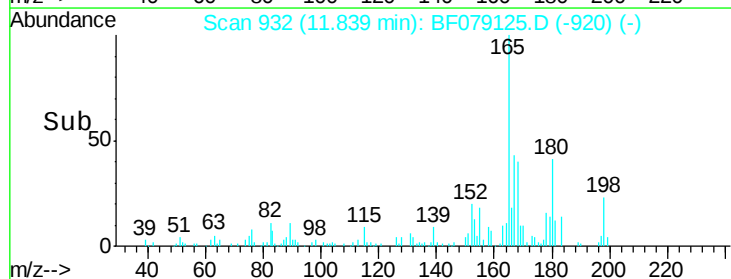
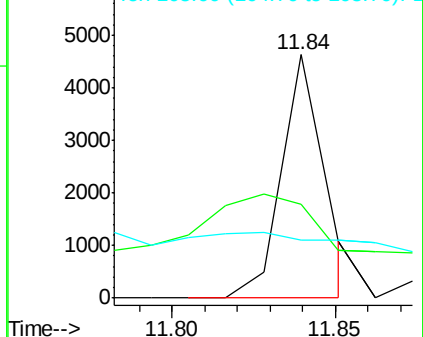


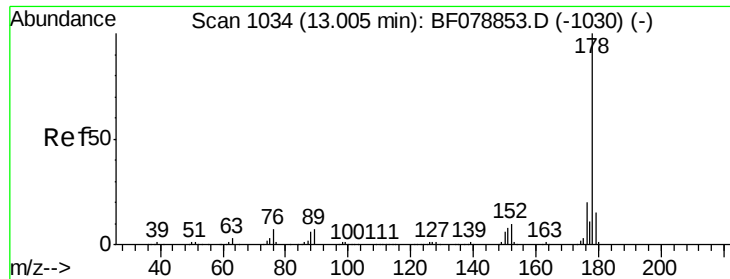
#64
4,6-Dinitro-2-methylphenol
Concen: 7.07 ng
RT: 11.84 min Scan# 932
Delta R.T. 0.03 min
Lab File: BF079125.D
Acq: 11 May 2015 19:41

Tgt Ion:198 Resp: 4260
Ion Ratio Lower Upper
198 100
51 38.4 47.3 87.3#
105 24.1 38.8 78.8#



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





#70

Phenanthrene

Concen: 5.60 ng

RT: 12.93 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampled :

MW-4

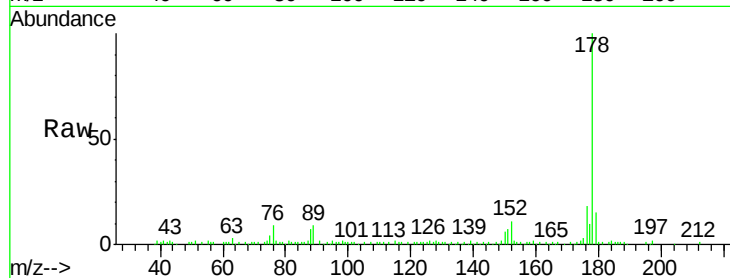
Tgt Ion:178 Resp: 74505

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

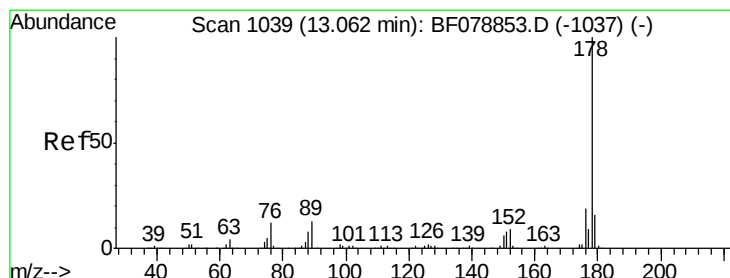
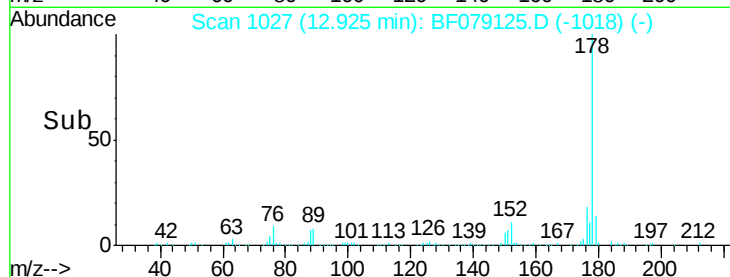
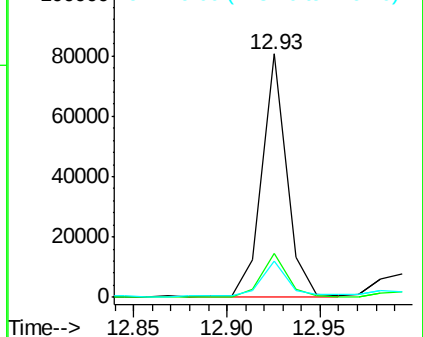
179 14.9 12.5 18.7



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: 5.55 ng

RT: 12.93 min Scan# 1027

Delta R.T. -0.07 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

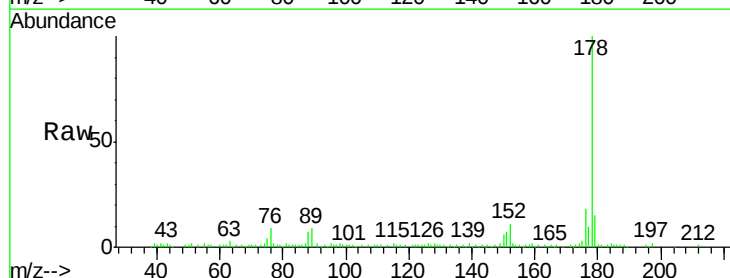
Tgt Ion:178 Resp: 72362

Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

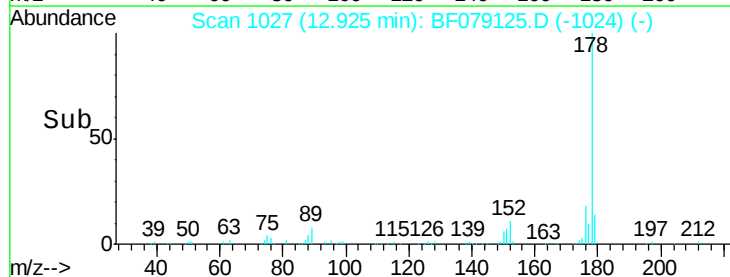
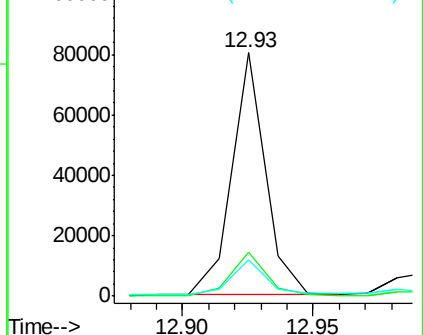
179 14.9 12.7 19.1

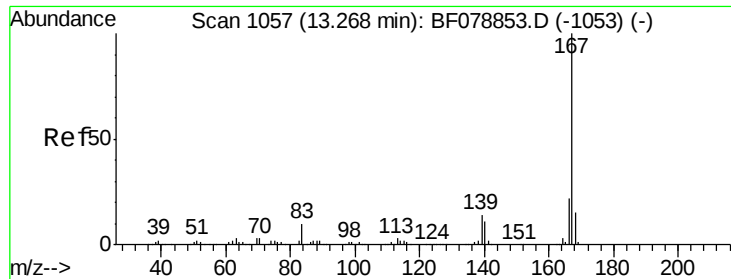


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.18 ng

RT: 13.20 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampleId :

MW-4

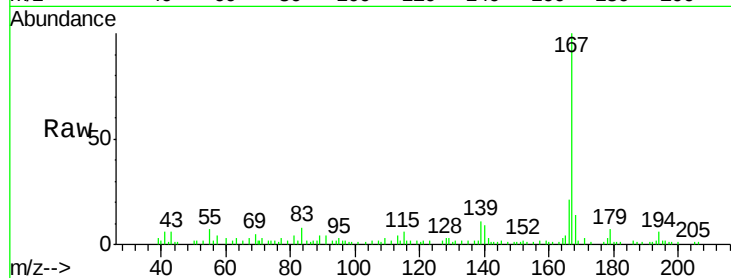
Tgt Ion:167 Resp: 39556

Ion Ratio Lower Upper

167 100

166 21.4 17.8 26.8

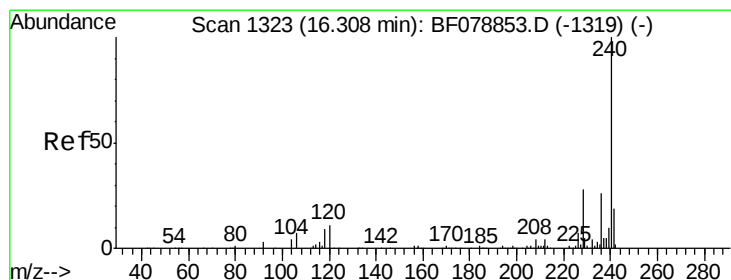
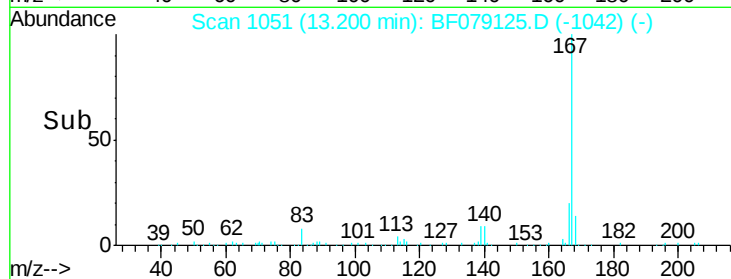
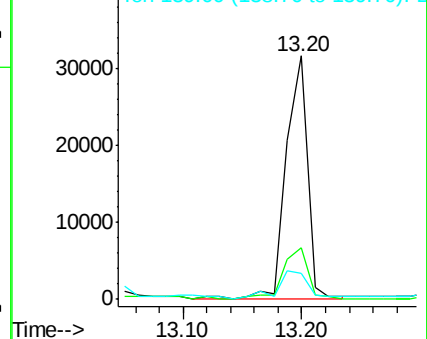
139 10.7 10.6 16.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

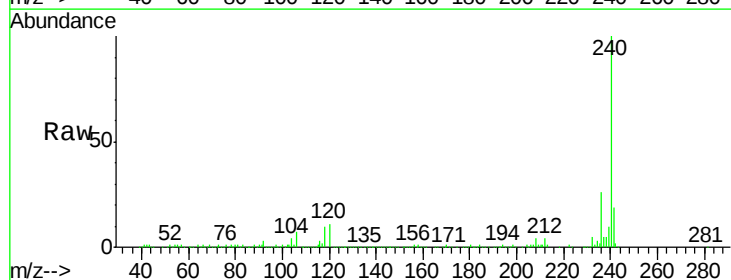
Tgt Ion:240 Resp: 259758

Ion Ratio Lower Upper

240 100

120 11.3 9.7 14.5

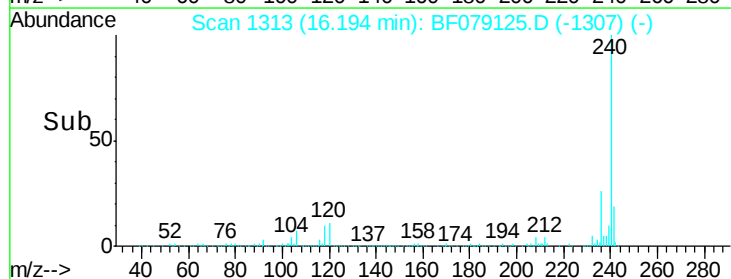
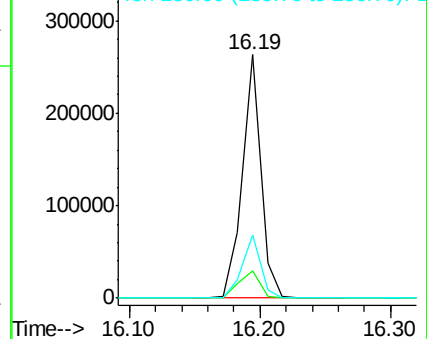
236 26.1 20.2 30.4

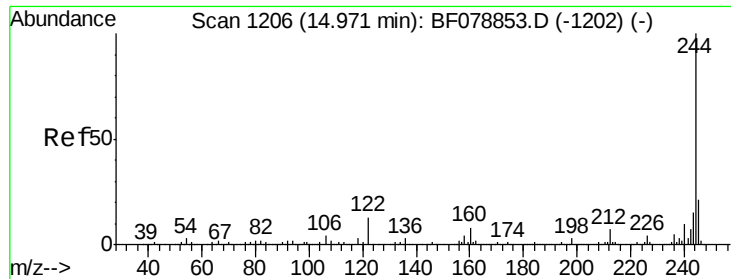


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.21 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

Instrument :

BNA_F

ClientSampleId :

MW-4

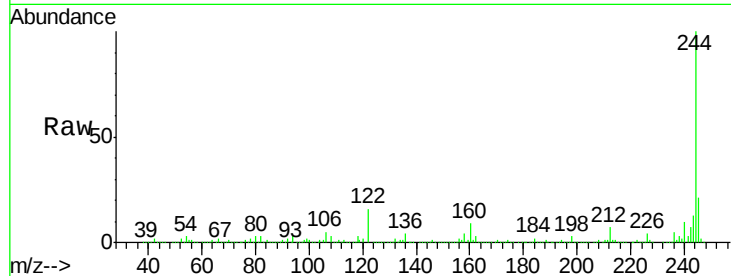
Tgt Ion:244 Resp: 902786

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

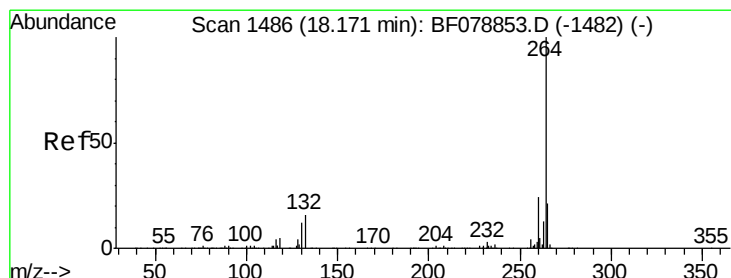
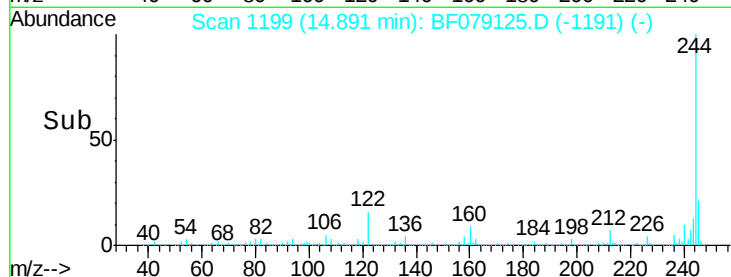
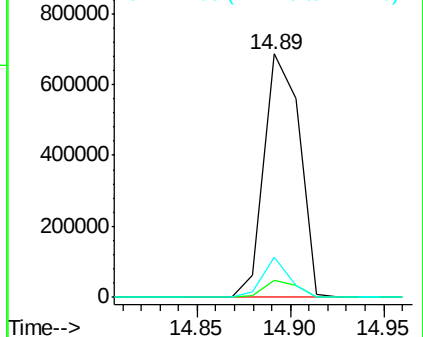
122 16.4 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.95 min Scan# 1467

Delta R.T. -0.10 min

Lab File: BF079125.D

Acq: 11 May 2015 19:41

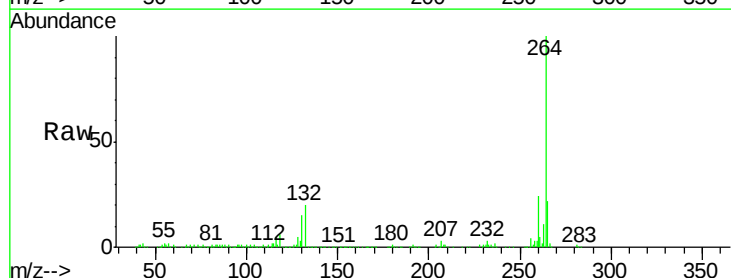
Tgt Ion:264 Resp: 264053

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.9 18.3 27.5



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

