

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079637.D
 Acq On : 31 May 2015 17:12
 Operator : TP/IZ
 Sample : G2408-16 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

Quant Time: Jun 01 04:23:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

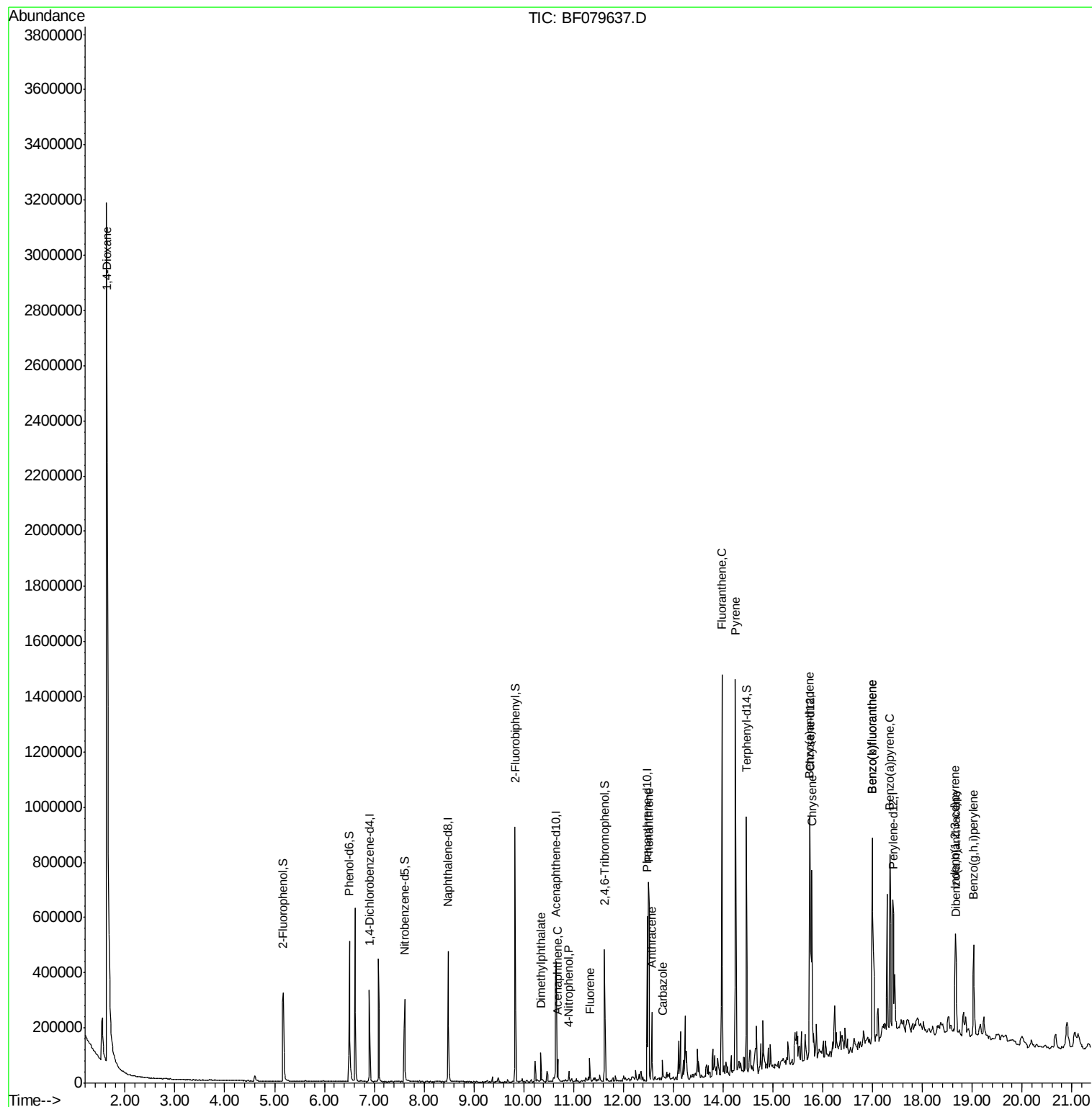
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	58750	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	246608	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	118446	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	225425	20.00	ng	0.00
75) Chrysene-d12	15.75	240	238575	20.00	ng	0.00
86) Perylene-d12	17.42	264	262784	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	169509	50.04	ng	0.01
7) Phenol-d6	6.50	99	225713	52.28	ng	0.00
23) Nitrobenzene-d5	7.61	82	132860	31.14	ng	0.00
41) 2,4,6-Tribromophenol	11.62	330	67810	52.12	ng	-0.01
44) 2-Fluorobiphenyl	9.83	172	300624	36.21	ng	0.00
78) Terphenyl-d14	14.47	244	335588	33.01	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	154594	95.94	ng	# 100
49) Dimethylphthalate	10.34	163	47492	5.44	ng	98
51) Acenaphthene	10.68	154	19281	2.78	ng	96
55) 4-Nitrophenol	10.90	139	5941	4.72	ng	# 12
57) Fluorene	11.33	166	26288	3.12	ng	96
70) Phenanthrene	12.51	178	410091	33.16	ng	99
71) Anthracene	12.57	178	104810	8.35	ng	98
72) Carbazole	12.79	167	29920	2.48	ng	98
73) Di-n-butylphthalate	13.25	149	2218	Below Cal		# 51
74) Fluoranthene	13.98	202	636429	47.99	ng	96
77) Pyrene	14.25	202	642472	43.47	ng	97
80) Benzo(a)anthracene	15.74	228	353933	25.79	ng	98
82) Chrysene	15.78	228	285291	21.87	ng	98
85) Indeno(1,2,3-cd)pyrene	18.66	276	231398	13.79	ng	93
87) Benzo(b)fluoranthene	16.99	252	577127	38.51	ng	98
88) Benzo(k)fluoranthene	16.99	252	577127	43.06	ng	# 96
89) Benzo(a)pyrene	17.35	252	339078	24.94	ng	# 98
90) Dibenzo(a,h)anthracene	18.67	278	51821	2.33	ng	# 93
91) Benzo(g,h,i)perylene	19.03	276	249611	17.25	ng	97

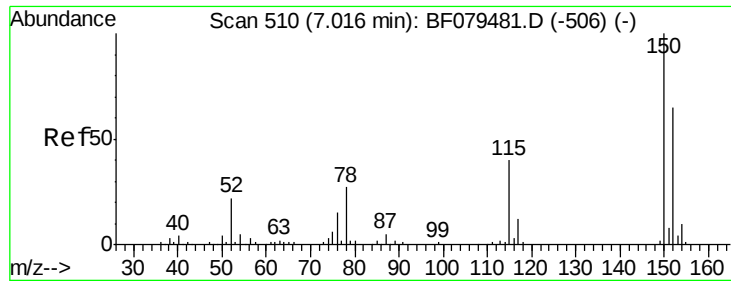
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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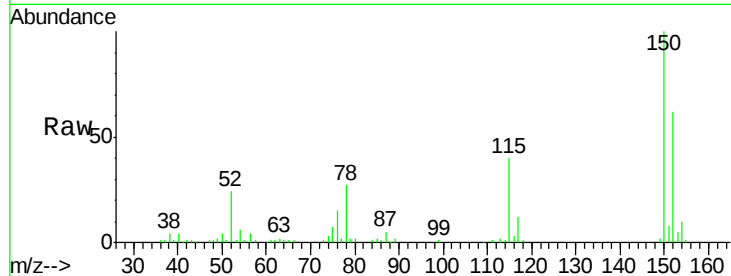




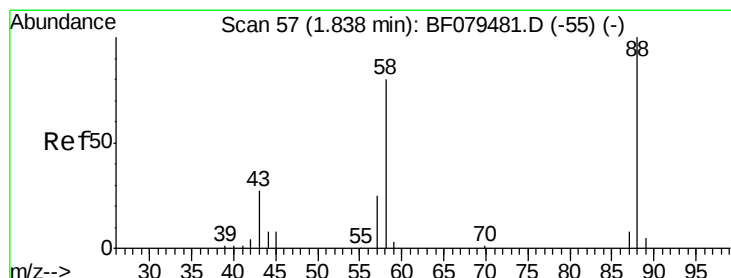
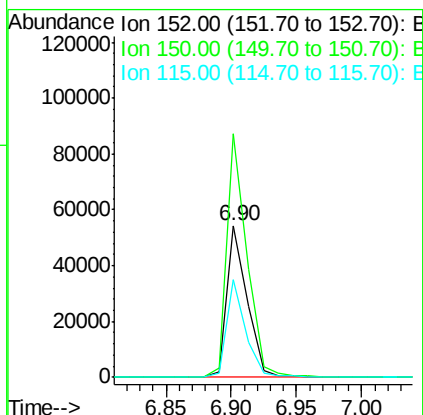
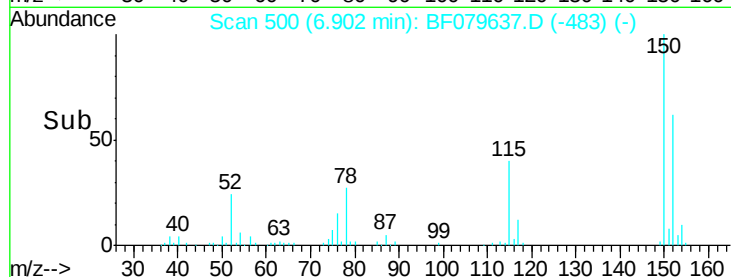
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Instrument :
 BNA_F
 ClientSampleID :
 SB-19S

Tgt Ion: 152 Resp: 58750
 Ion Ratio Lower Upper
 152 100
 150 160.6 124.0 186.0
 115 64.3 49.6 74.4

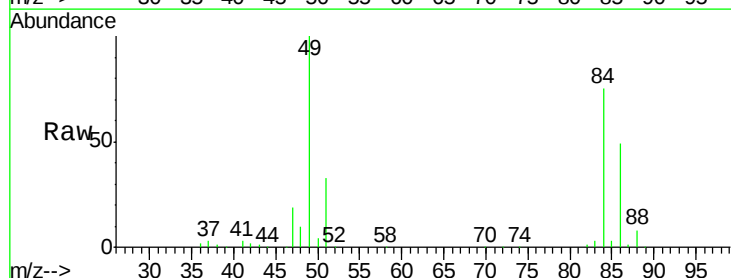


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

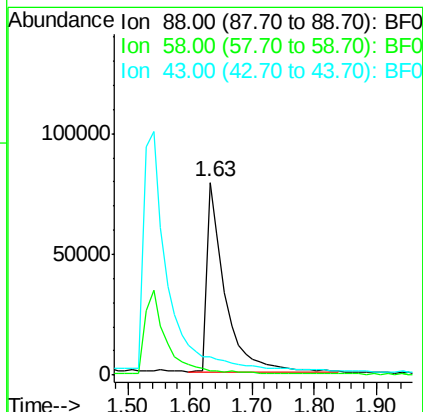
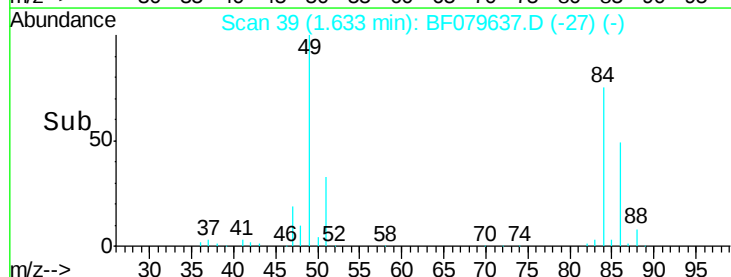


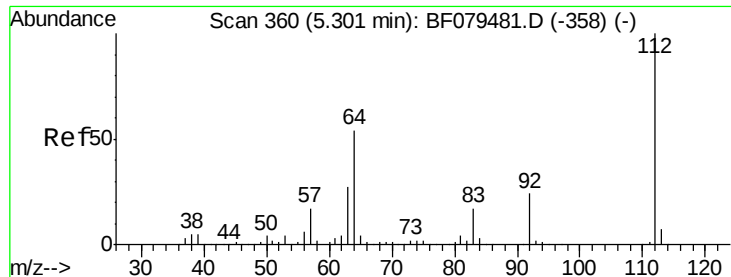
#2
 1,4-Dioxane
 Concen: 95.94 ng
 RT: 1.63 min Scan# 39
 Delta R.T. -0.06 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion: 88 Resp: 154594
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 50.04 ng

RT: 5.18 min Scan# 349

Delta R.T. 0.01 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

ClientSampled :

SB-19S

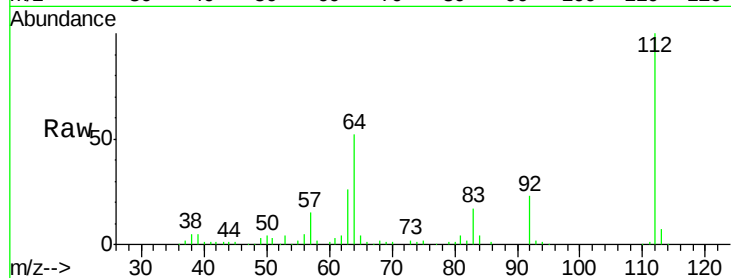
Tgt Ion: 112 Resp: 169509

Ion Ratio Lower Upper

112 100

64 52.3 43.5 65.3

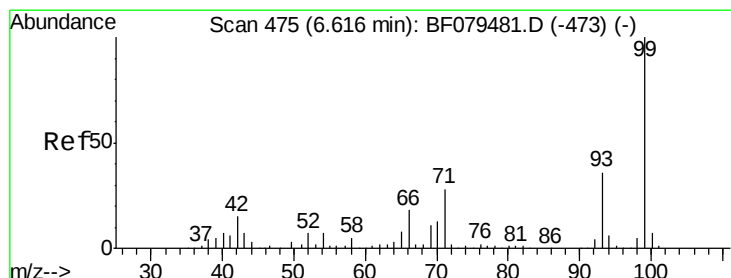
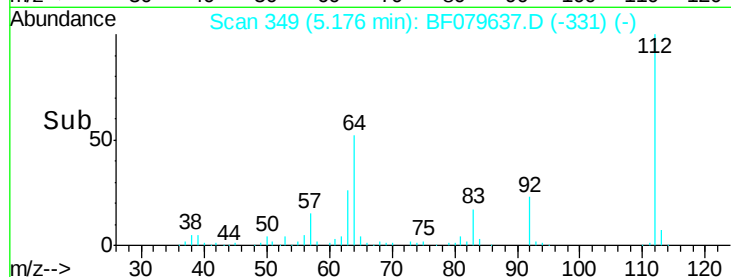
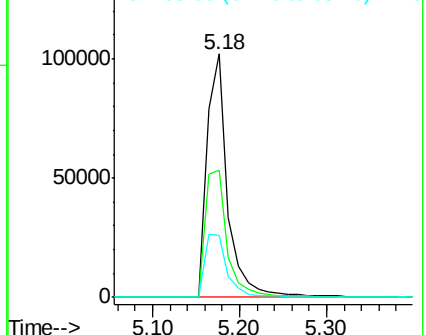
63 25.6 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 52.28 ng

RT: 6.50 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

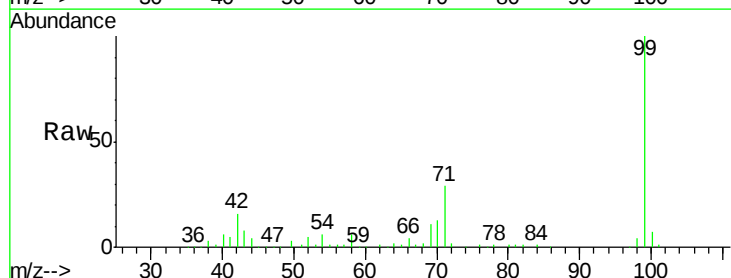
Tgt Ion: 99 Resp: 225713

Ion Ratio Lower Upper

99 100

42 15.6 11.9 17.9

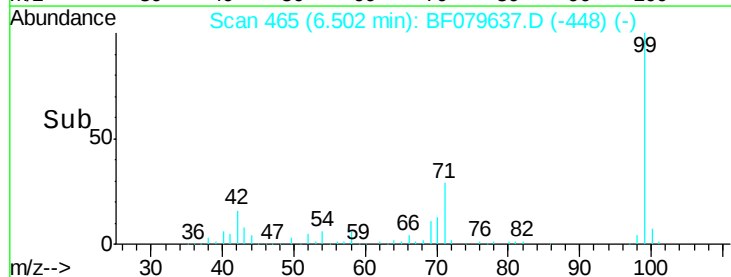
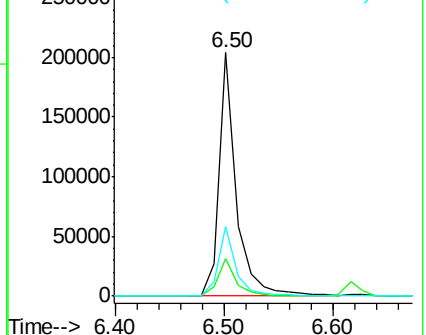
71 28.7 22.1 33.1



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

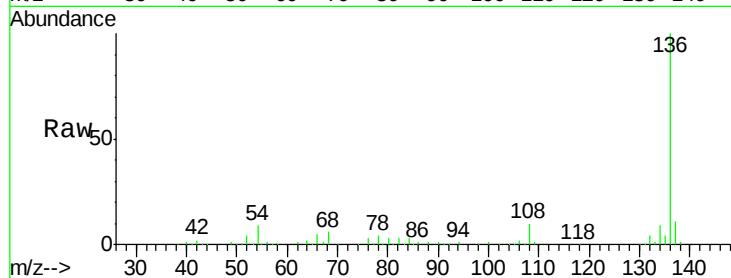




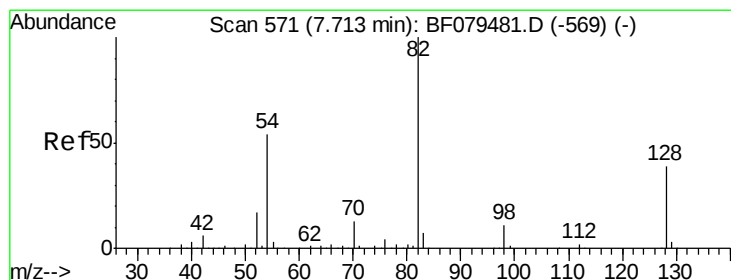
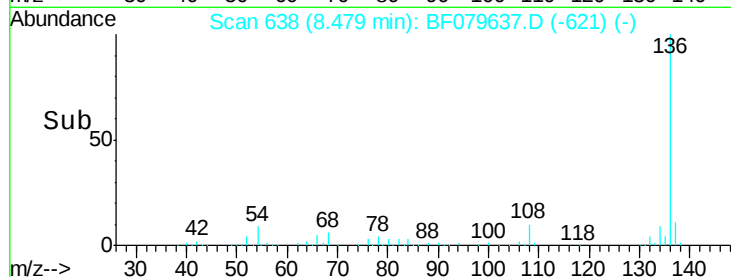
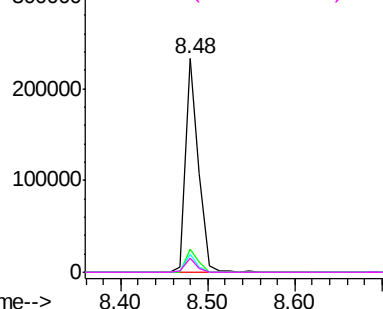
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Instrument :
BNA_F
ClientSampleId :
SB-19S

Tgt Ion:	136	Resp:	246608
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.7	6.6	9.8
68	6.5	4.7	7.1

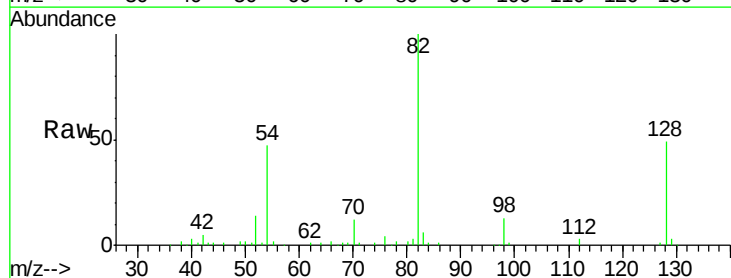


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

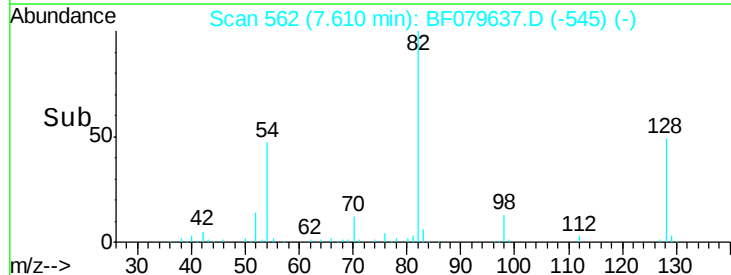
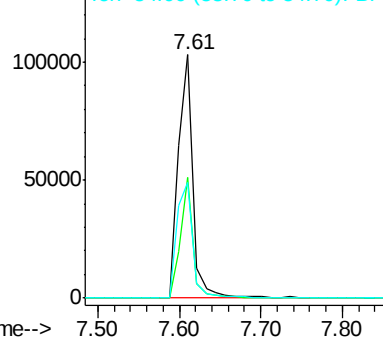


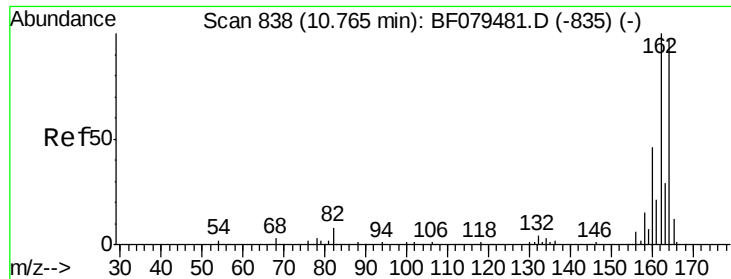
#23
Nitrobenzene-d5
Concen: 31.14 ng
RT: 7.61 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF079637.D
Acq: 31 May 2015 17:12

Tgt Ion:	82	Resp:	132860
Ion	Ratio	Lower	Upper
82	100		
128	49.3	30.8	46.2#
54	47.4	42.8	64.2



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

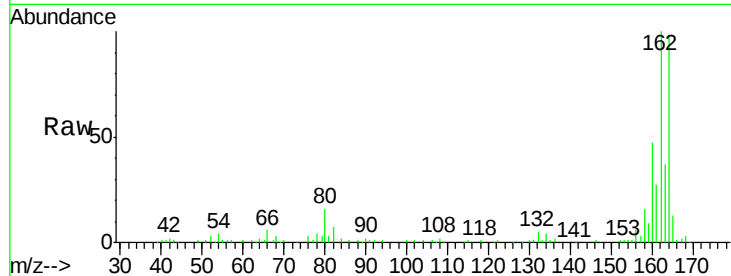




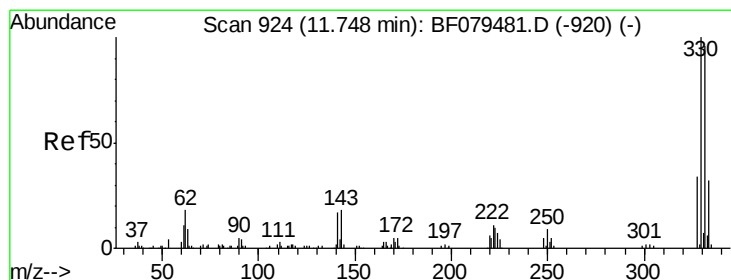
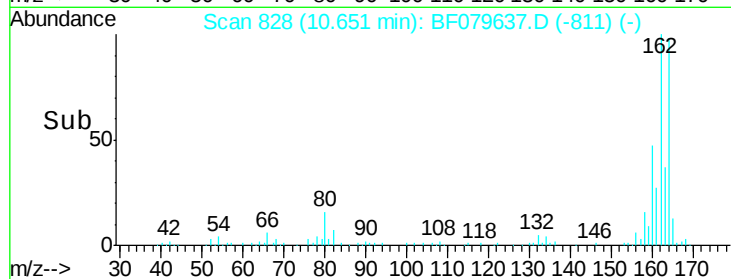
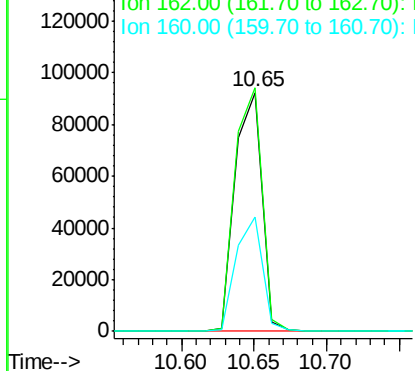
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

Tgt Ion:164 Resp: 118446
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.6 124.0
 160 47.7 37.7 56.5

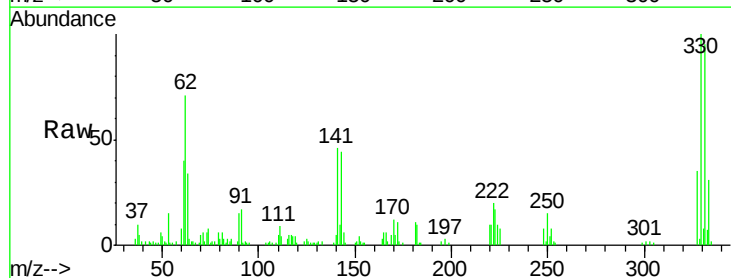


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

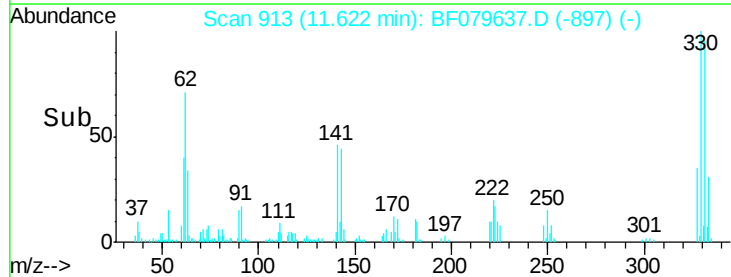
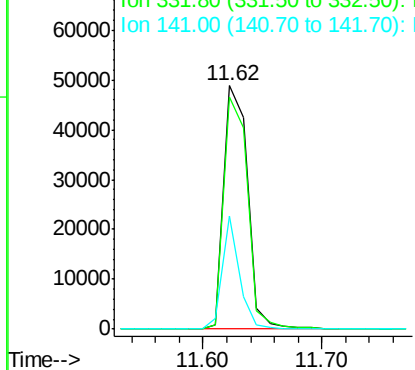


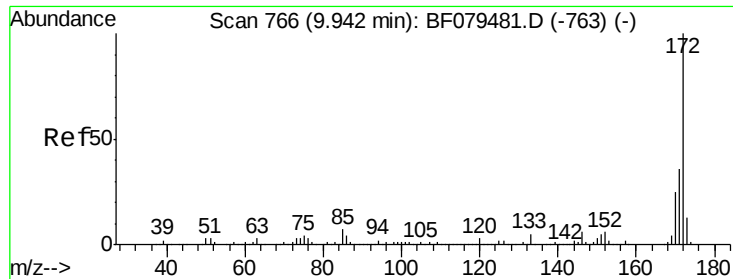
#41
 2,4,6-Tribromophenol
 Concen: 52.12 ng
 RT: 11.62 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion:330 Resp: 67810
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 33.1 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

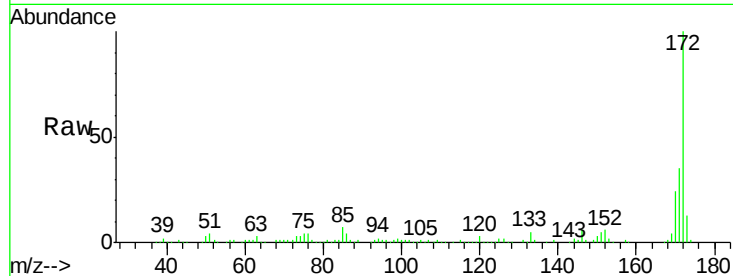




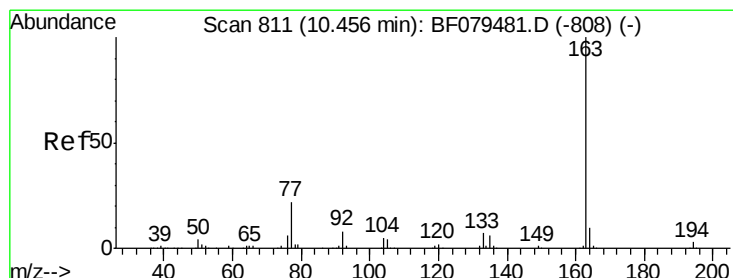
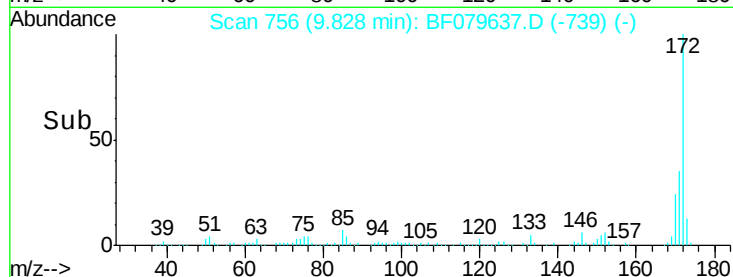
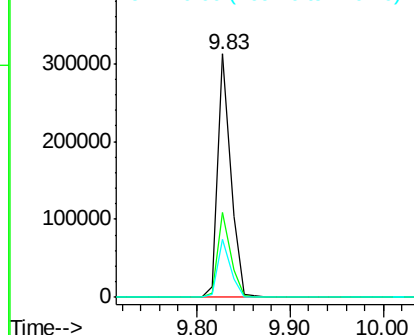
#44
 2-Fluorobiphenyl
 Concen: 36.21 ng
 RT: 9.83 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

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Tgt Ion:172 Resp: 300624
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.9 19.7 29.5

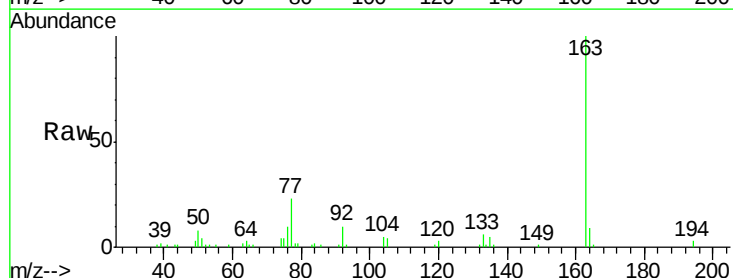


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

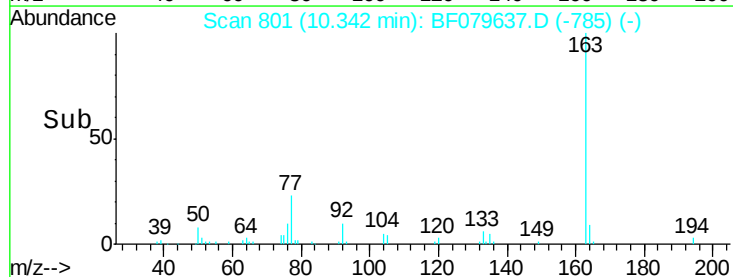
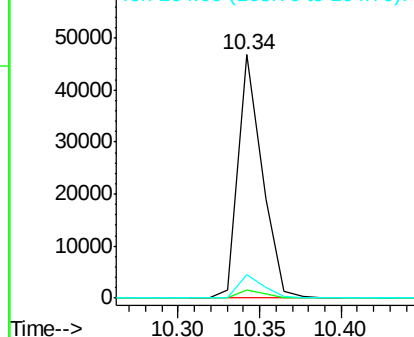


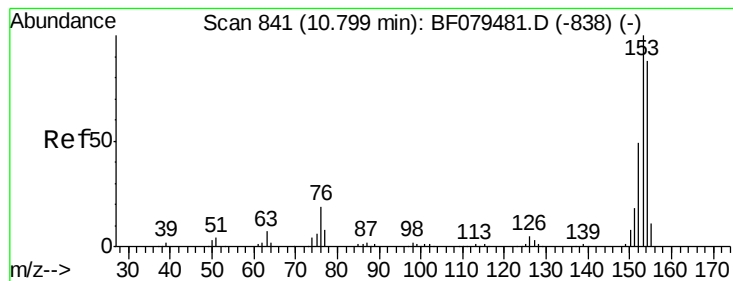
#49
 Dimethylphthalate
 Concen: 5.44 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion:163 Resp: 47492
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.4 3.6
 164 9.4 8.2 12.4



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: 2.78 ng

RT: 10.68 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

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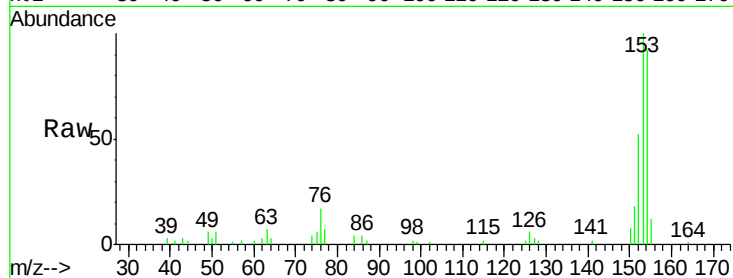
Tgt Ion:154 Resp: 19281

Ion Ratio Lower Upper

154 100

153 108.5 91.1 136.7

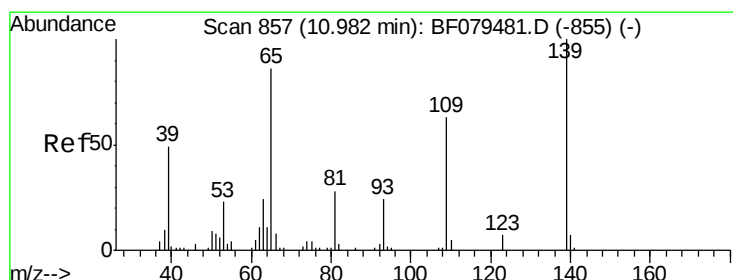
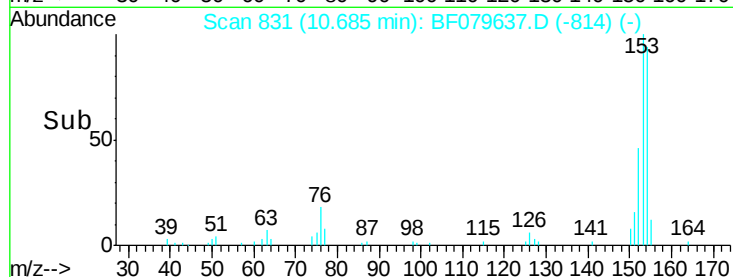
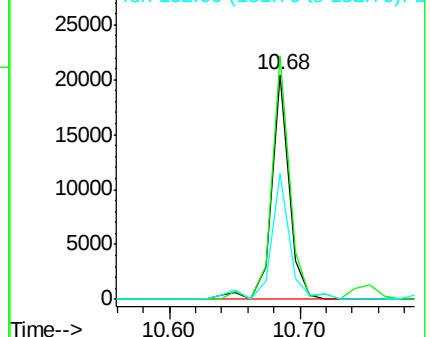
152 56.1 44.6 66.8



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: 4.72 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.03 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

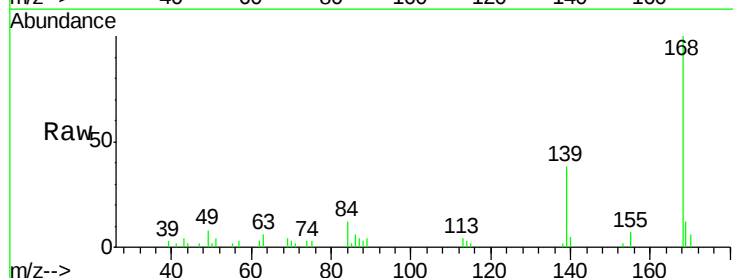
Tgt Ion:139 Resp: 5941

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

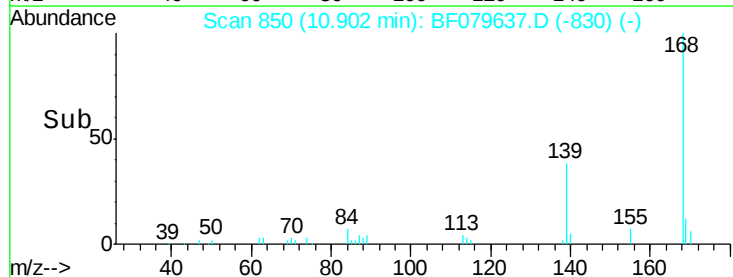
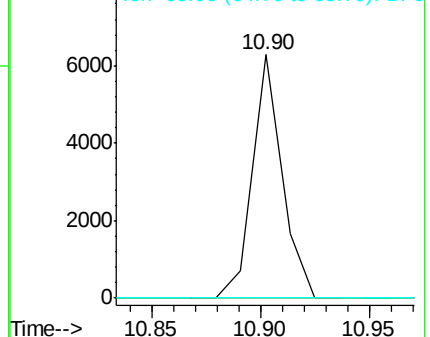
65 0.0 66.3 106.3#

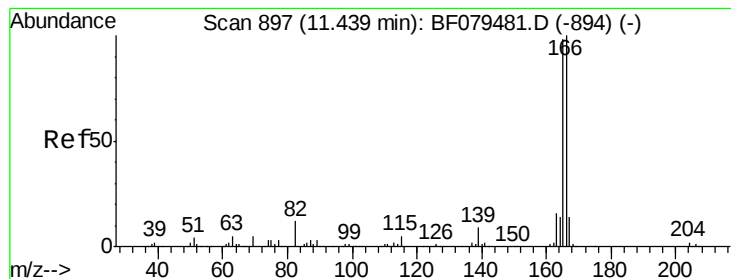


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 3.12 ng

RT: 11.33 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

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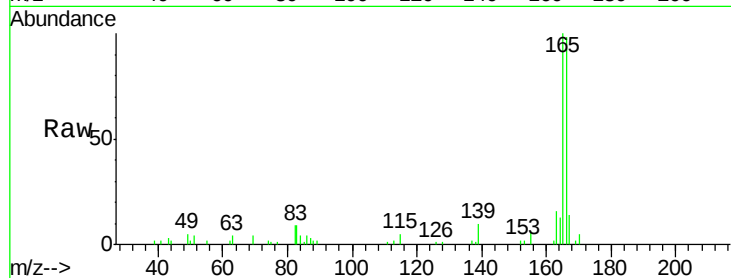
Tgt Ion:166 Resp: 26288

Ion Ratio Lower Upper

166 100

165 102.5 78.6 117.8

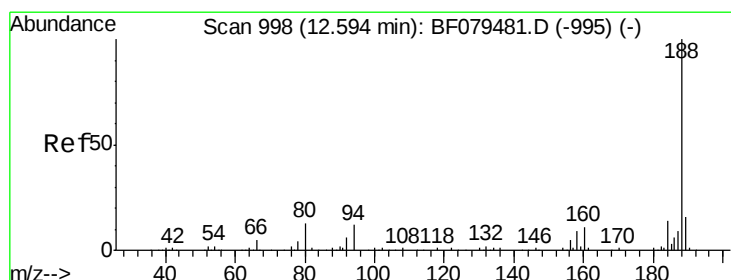
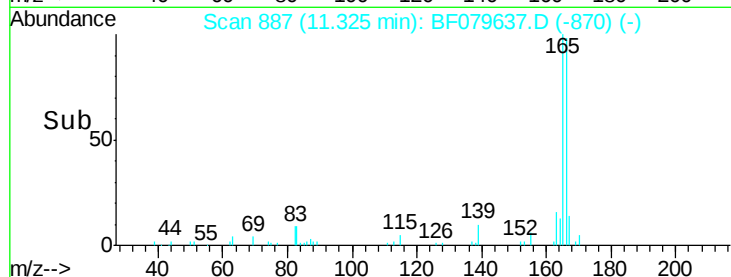
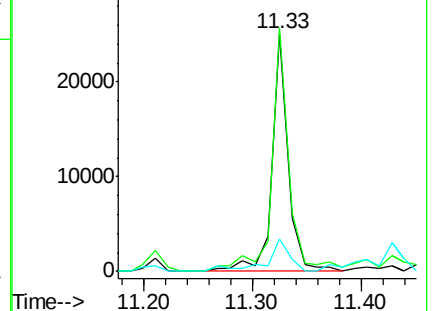
167 13.9 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.48 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

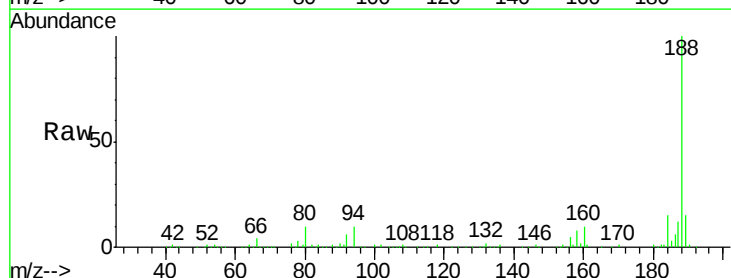
Tgt Ion:188 Resp: 225425

Ion Ratio Lower Upper

188 100

94 9.9 9.8 14.6

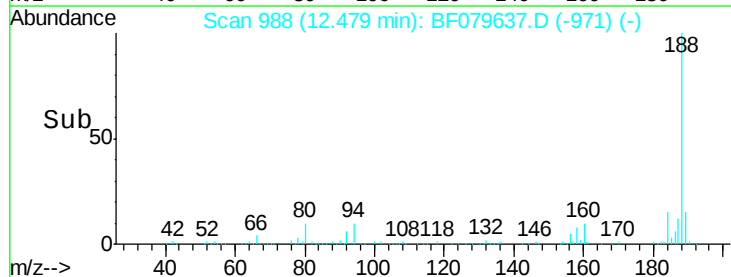
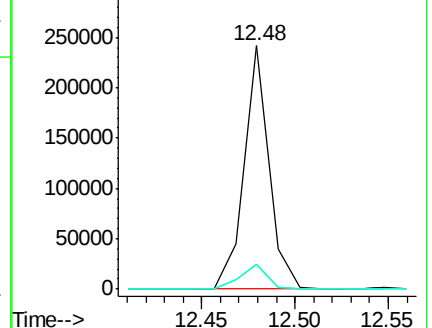
80 10.0 10.5 15.7#

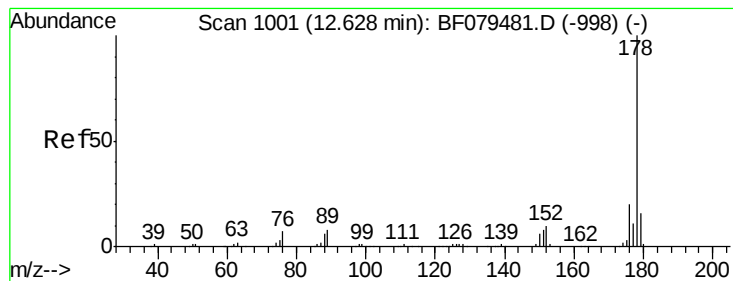


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 33.16 ng

RT: 12.51 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SB-19S

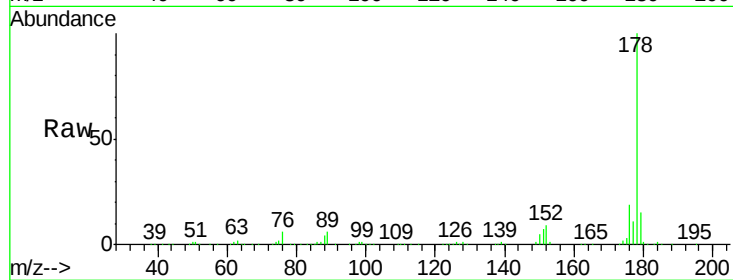
Tgt Ion:178 Resp: 410091

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

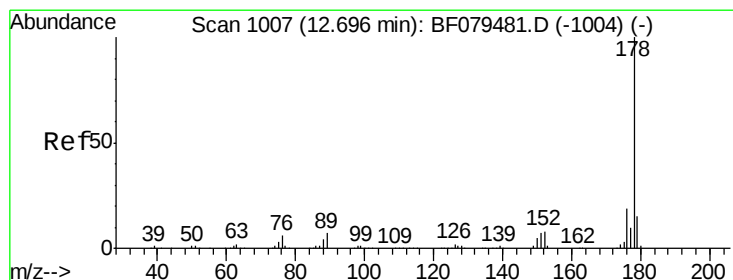
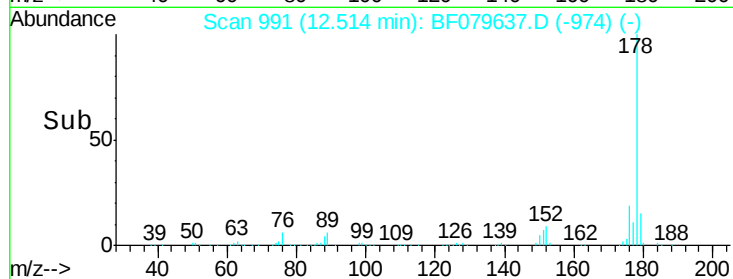
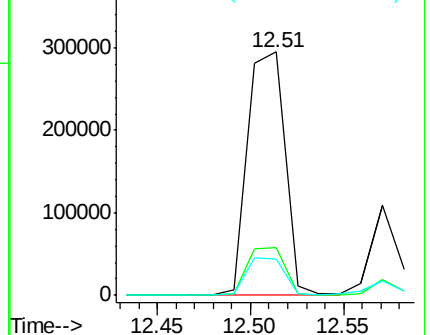
179 15.0 12.4 18.6



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: 8.35 ng

RT: 12.57 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

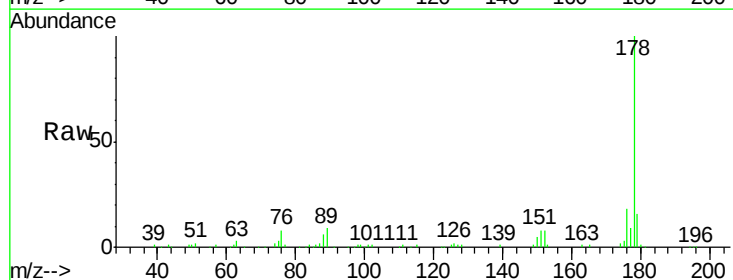
Tgt Ion:178 Resp: 104810

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

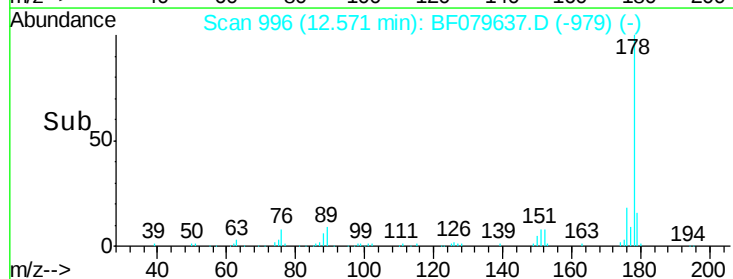
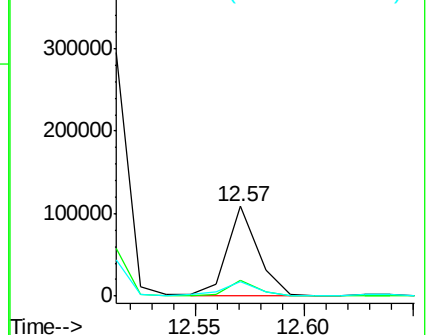
179 16.1 12.2 18.4

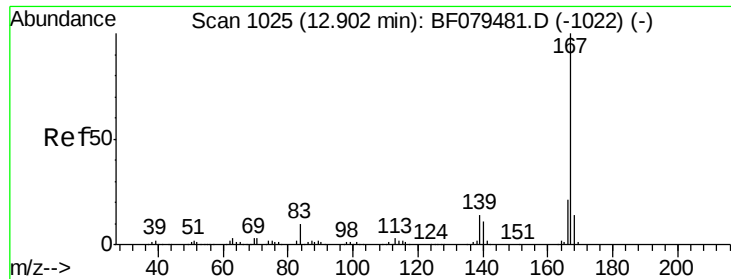


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

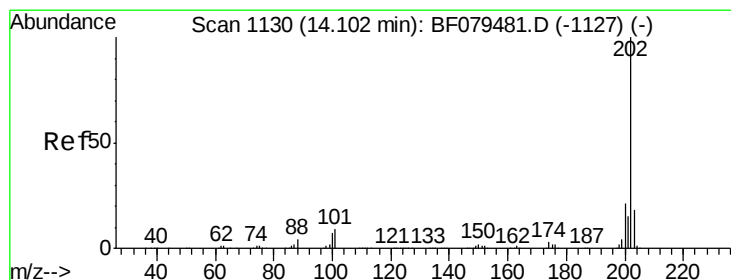
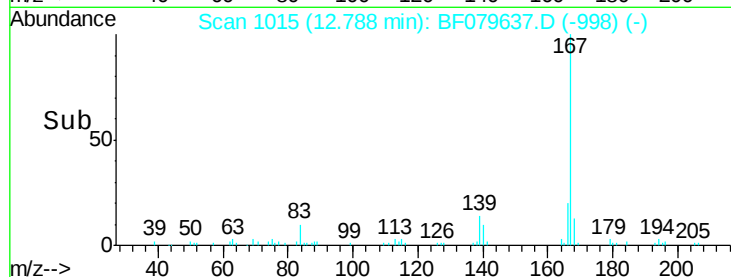
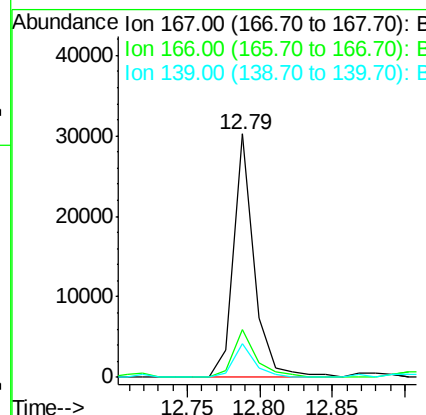
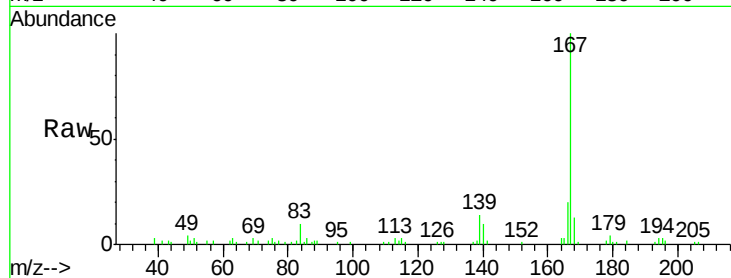




#72
 Carbazole
 Concen: 2.48 ng
 RT: 12.79 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

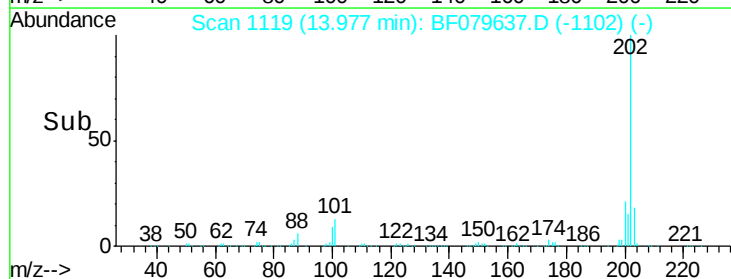
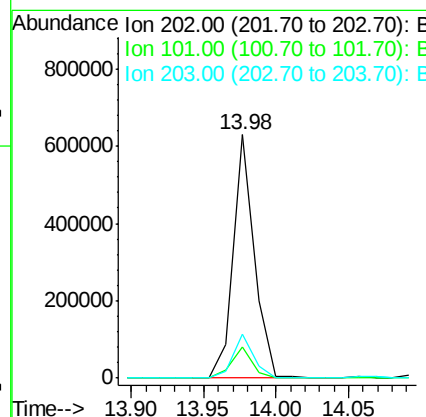
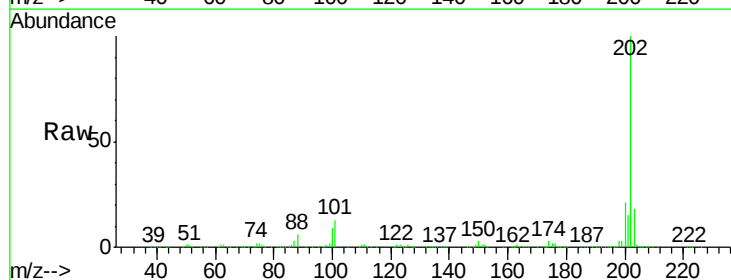
Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

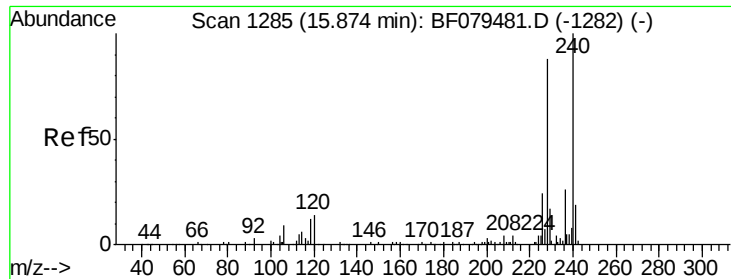
Tgt Ion:167 Resp: 29920
 Ion Ratio Lower Upper
 167 100
 166 19.6 17.0 25.4
 139 13.6 11.2 16.8



#74
 Fluoranthene
 Concen: 47.99 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion:202 Resp: 636429
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 29.3
 203 18.2 0.0 37.6

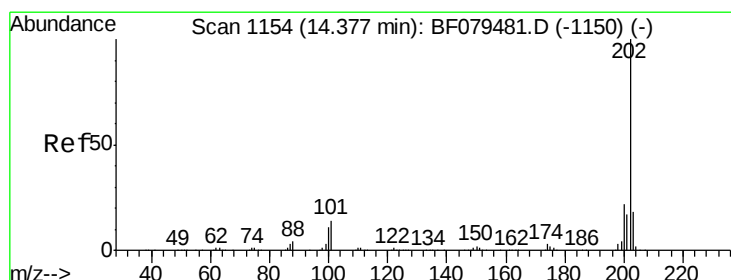
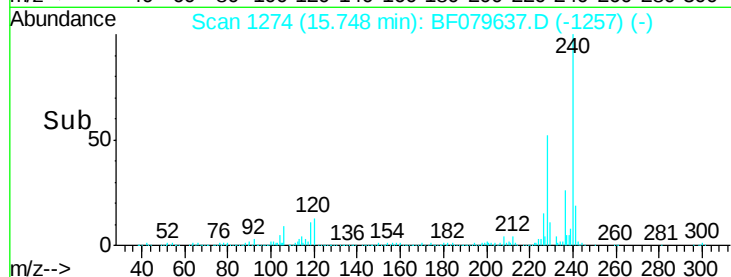
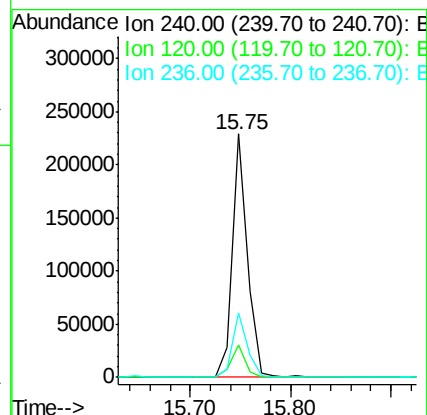
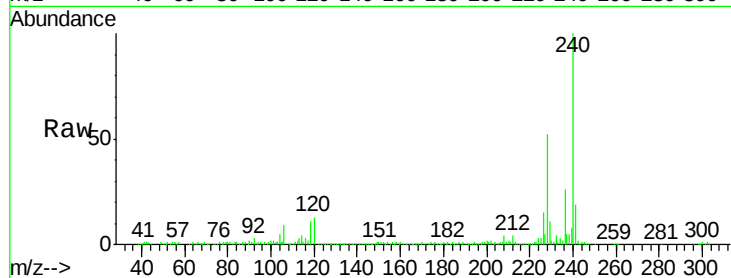




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

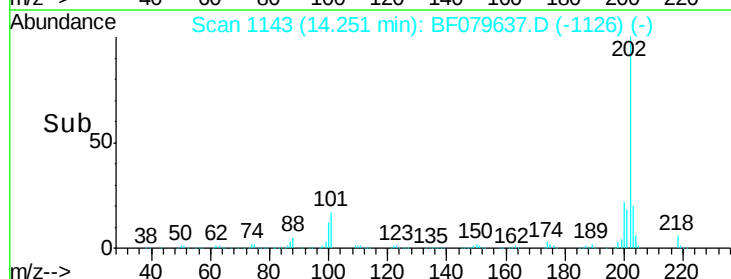
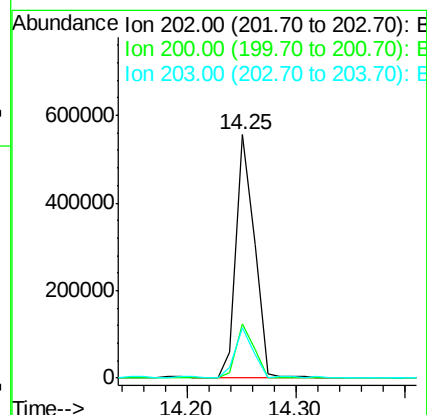
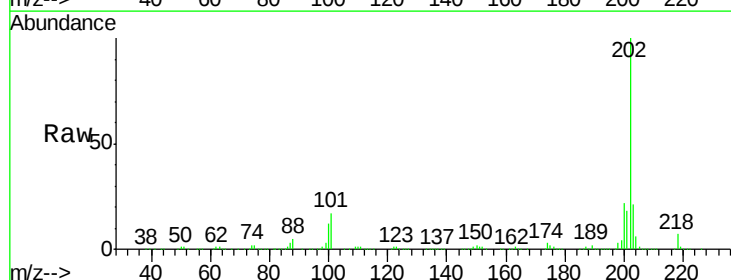
Instrument :
 BNA_F
 ClientSampleId :
 SB-19S

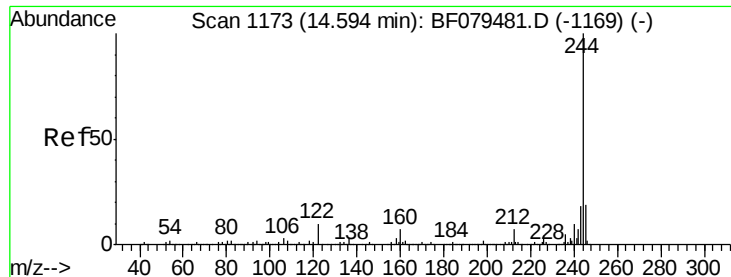
Tgt Ion:240 Resp: 238575
 Ion Ratio Lower Upper
 240 100
 120 13.4 10.8 16.2
 236 26.4 21.0 31.6



#77
 Pyrene
 Concen: 43.47 ng
 RT: 14.25 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BF079637.D
 Acq: 31 May 2015 17:12

Tgt Ion:202 Resp: 642472
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.5 26.3
 203 20.7 14.4 21.6





#78

Terphenyl-d14

Concen: 33.01 ng

RT: 14.47 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SB-19S

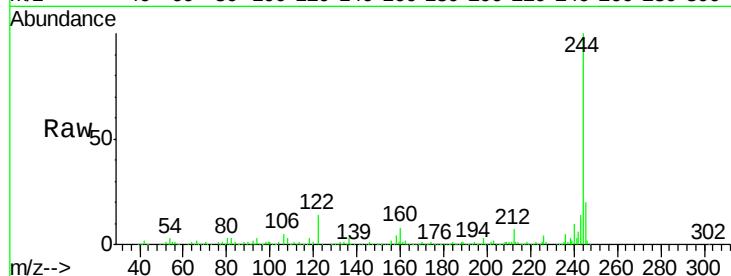
Tgt Ion:244 Resp: 335588

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

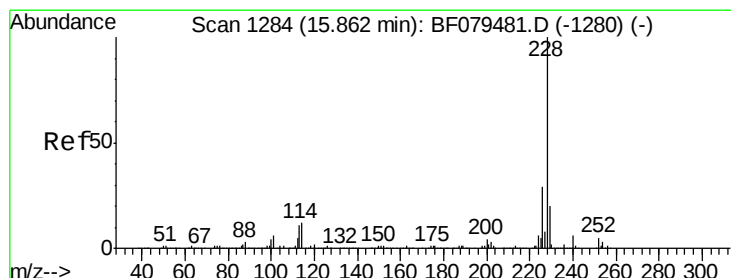
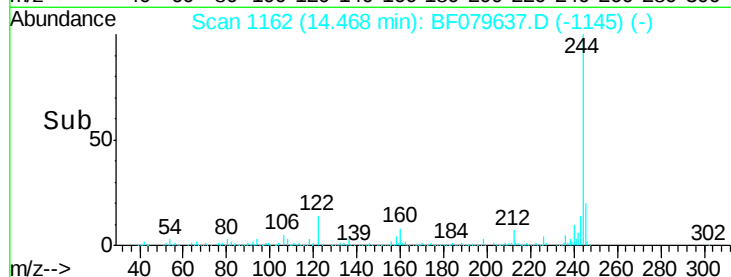
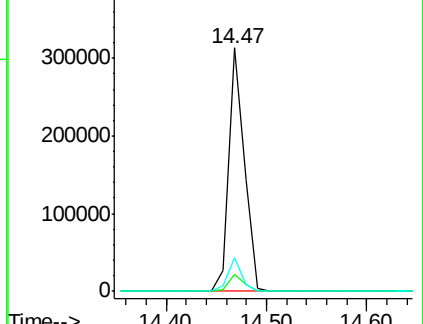
122 14.0 8.0 12.0#



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: 25.79 ng

RT: 15.74 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF079637.D

Acq: 31 May 2015 17:12

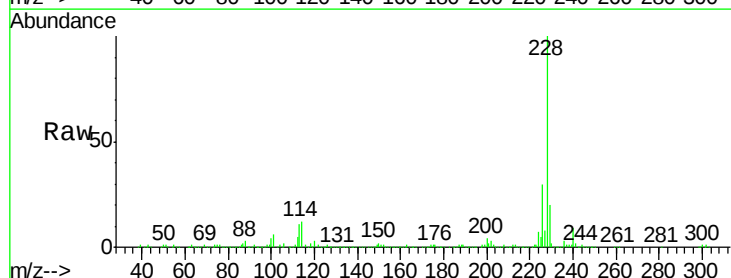
Tgt Ion:228 Resp: 353933

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

229 20.2 15.9 23.9



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

