

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015929.D
 Acq On : 27 Jan 2015 1:31
 Operator : TP/IZ
 Sample : G1139-07
 Misc : S
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 121B1

Quant Time: Jan 27 03:44:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 20 17:47:40 2015
 Response via : Initial Calibration

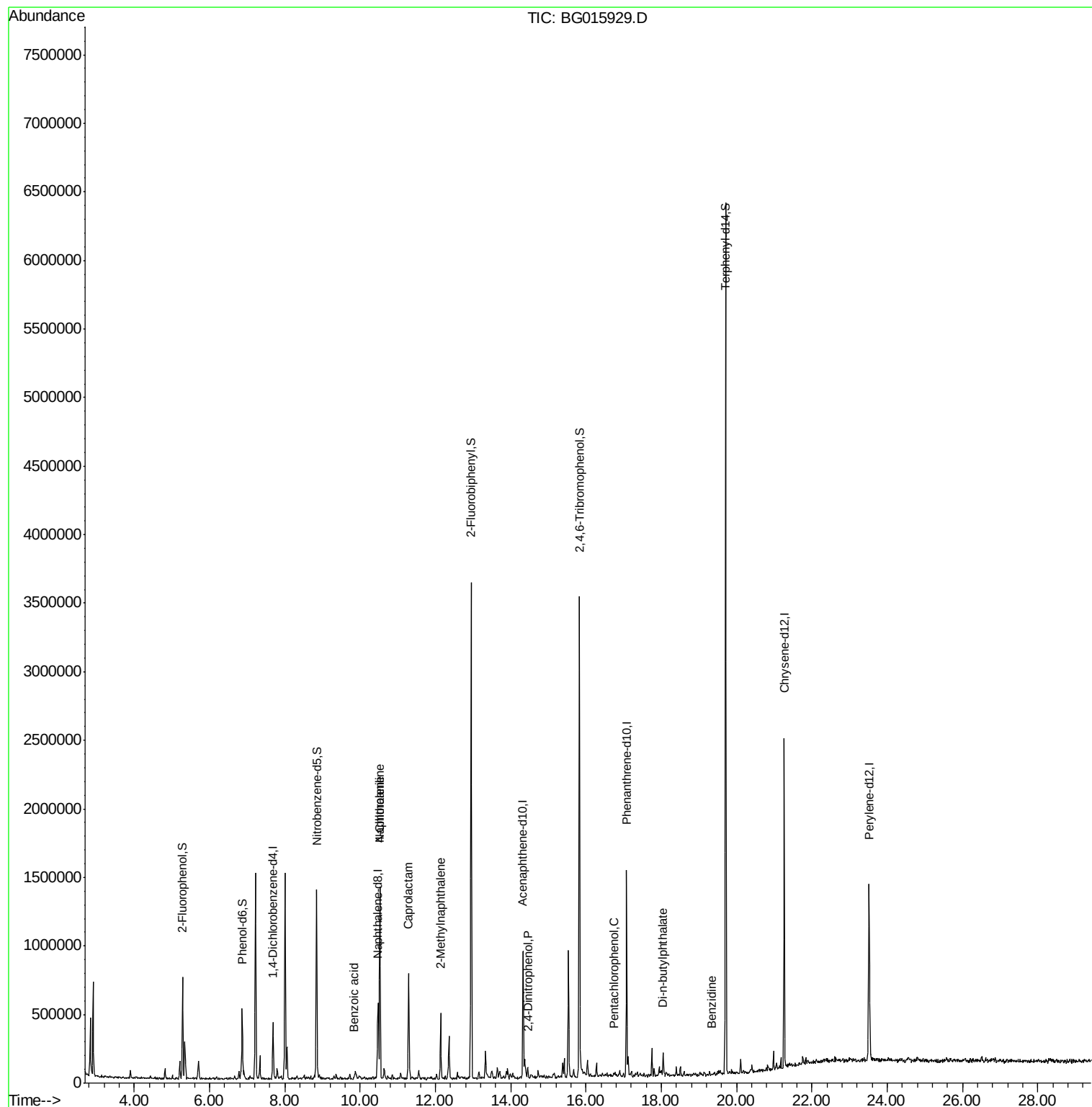
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	85222	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	335417	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	279310	20.00	ng	-0.01
63) Phenanthrene-d10	17.08	188	790424	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1111203	20.00	ng	0.00
86) Perylene-d12	23.52	264	1045552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	246108	43.01	ng	0.00
7) Phenol-d6	6.87	99	235084	25.49	ng	0.00
23) Nitrobenzene-d5	8.85	82	845880	72.70	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	550482	107.66	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1530061	85.95	ng	0.00
78) Terphenyl-d14	19.71	244	2490293	56.73	ng	0.00
Target Compounds						
31) Naphthalene	10.52	128	817185	47.60	ng	# 94
32) Benzoic acid	9.82	122	94	10.31	ng	# 13
33) 4-Chloroaniline	10.52	127	110758	13.84	ng	# 37
35) Caprolactam	11.28	113	44762	15.04	ng	# 1
37) 2-Methylnaphthalene	12.14	142	157393	11.54	ng	98
53) 2,4-Dinitrophenol	14.47	184	155	4.56	ng	# 46
69) Pentachlorophenol	16.74	266	214	5.26	ng	# 17
73) Di-n-butylphthalate	18.05	149	100520	2.55	ng	# 93
76) Benzidine	19.35	184	529	2.01	ng	# 64
80) Benzo(a)anthracene	21.27	228	4690	Below Cal		# 59

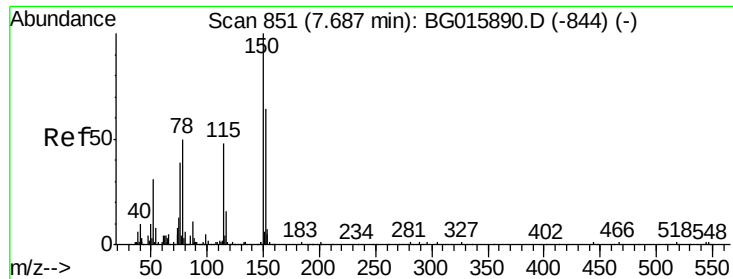
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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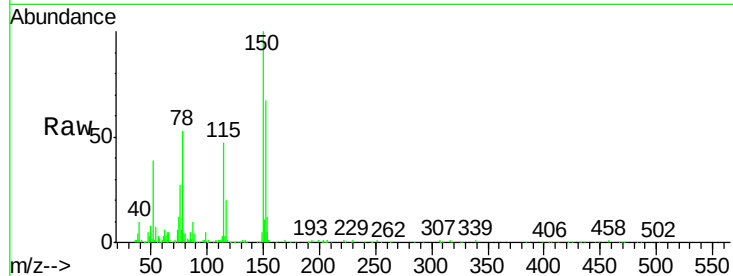


#1

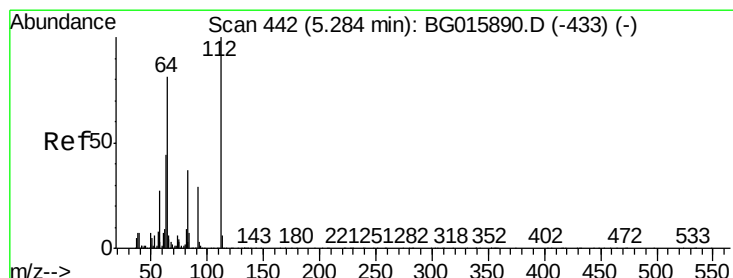
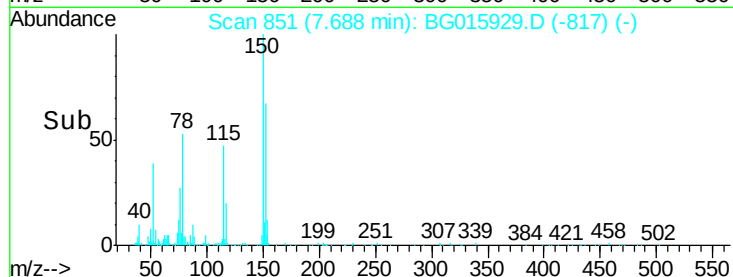
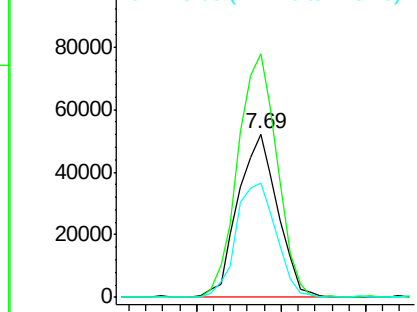
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 851
Delta R.T. 0.00 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Instrument :
BNA_G
ClientSampleId :
121B1

Tgt Ion:152 Resp: 85222
Ion Ratio Lower Upper
152 100
150 149.3 124.5 186.7
115 69.8 60.4 90.6



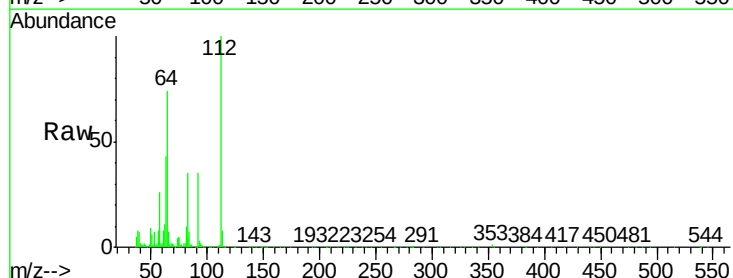
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



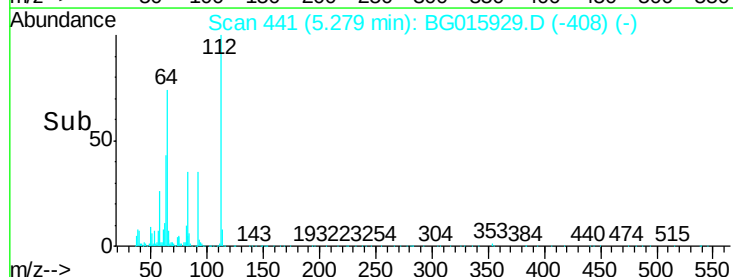
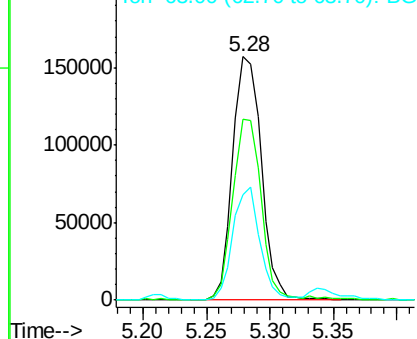
#5

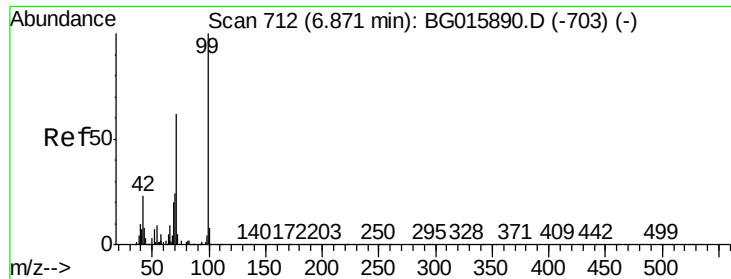
2-Fluorophenol
Concen: 43.01 ng
RT: 5.28 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Tgt Ion:112 Resp: 246108
Ion Ratio Lower Upper
112 100
64 74.3 64.4 96.6
63 43.1 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 25.49 ng

RT: 6.87 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Instrument :

BNA_G

ClientSampleId :

121B1

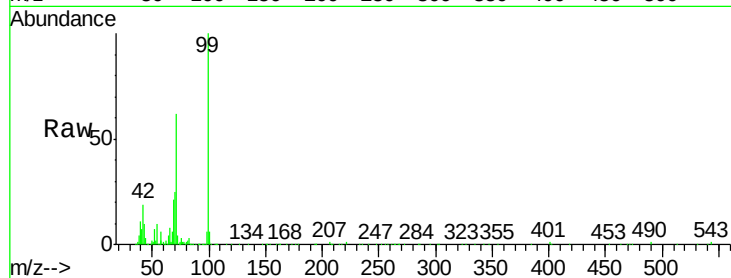
Tgt Ion: 99 Resp: 235084

Ion Ratio Lower Upper

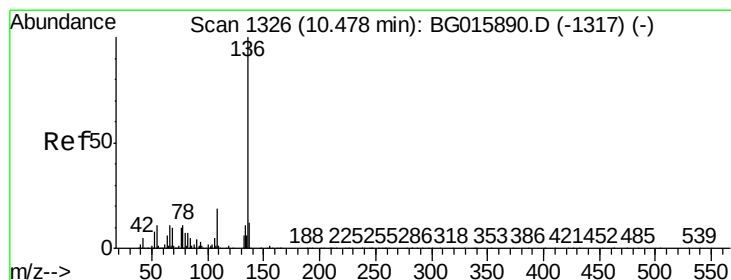
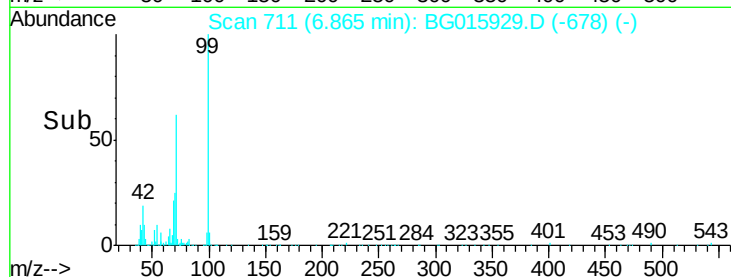
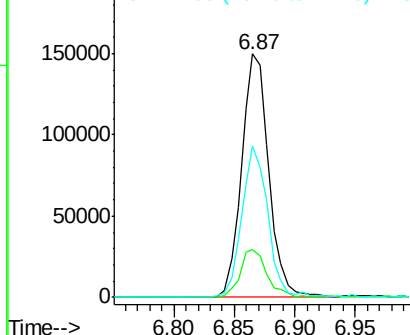
99 100

42 19.4 18.1 27.1

71 62.0 49.8 74.8



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.47 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Tgt Ion: 136 Resp: 335417

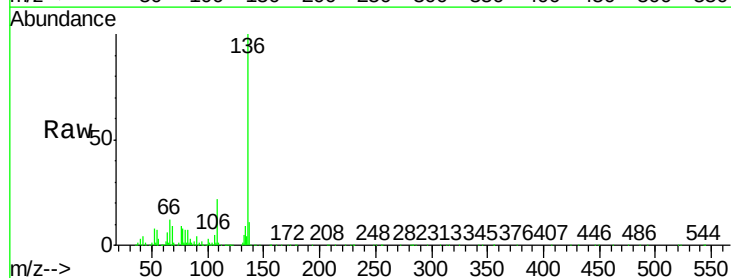
Ion Ratio Lower Upper

136 100

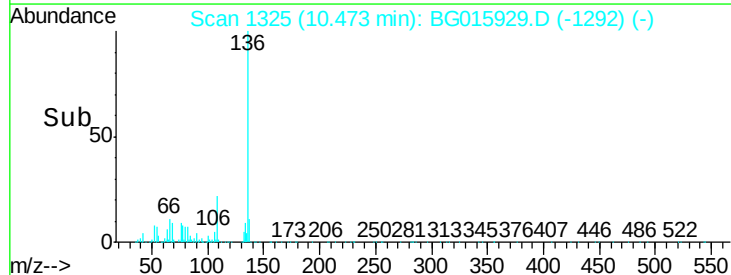
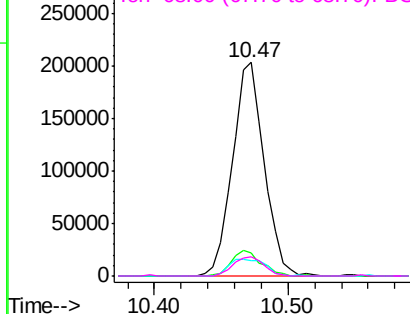
137 10.6 9.7 14.5

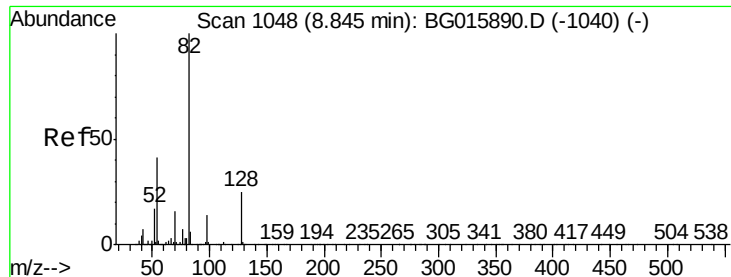
54 7.3 8.5 12.7#

68 8.8 8.0 12.0



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

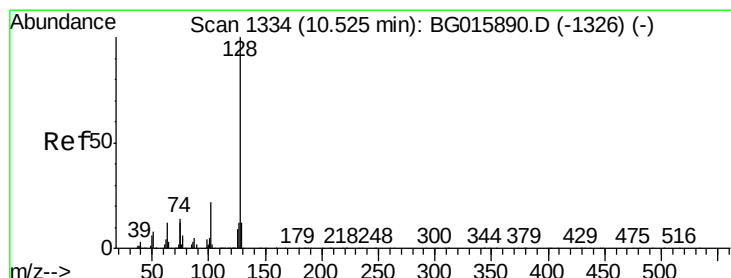
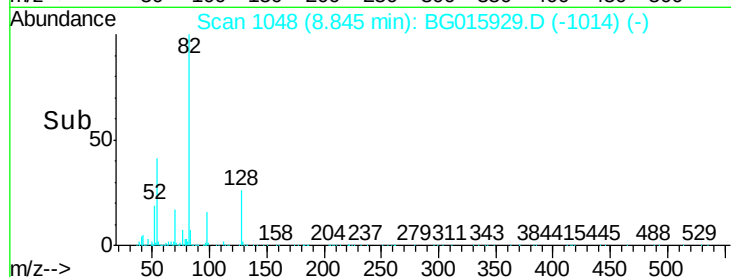
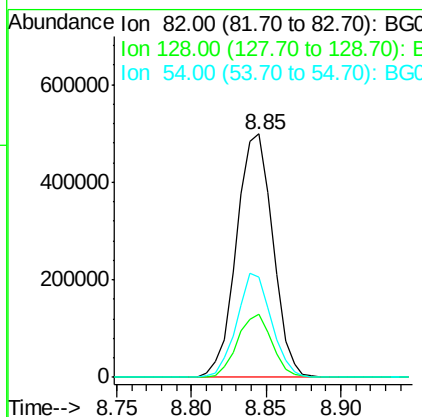
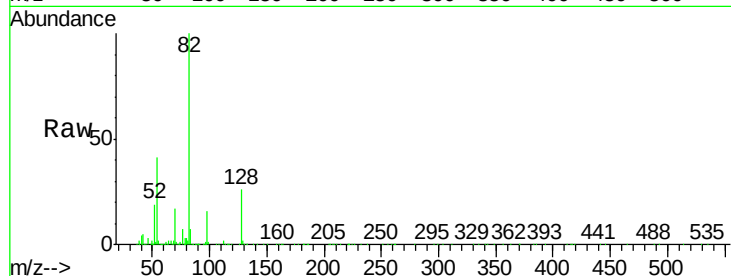




#23
 Nitrobenzene-d5
 Concen: 72.70 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BG015929.D
 Acq: 27 Jan 2015 1:31

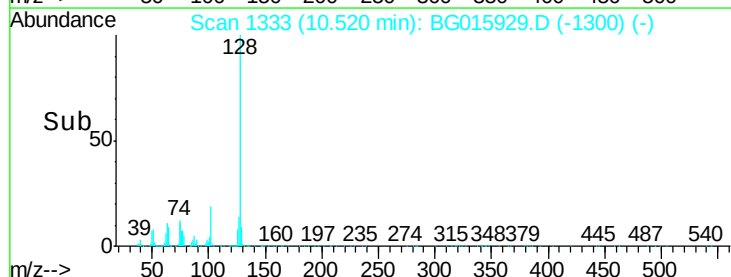
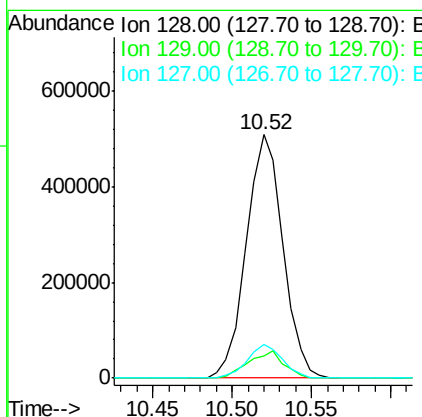
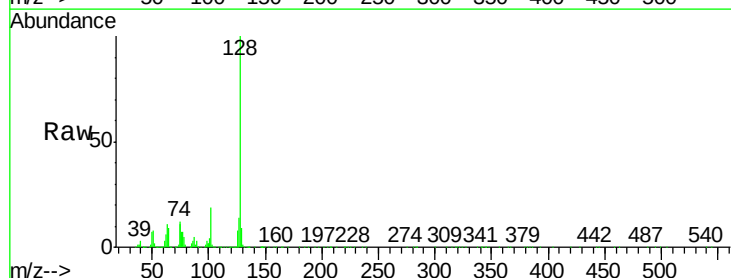
Instrument :
 BNA_G
 ClientSampleId :
 121B1

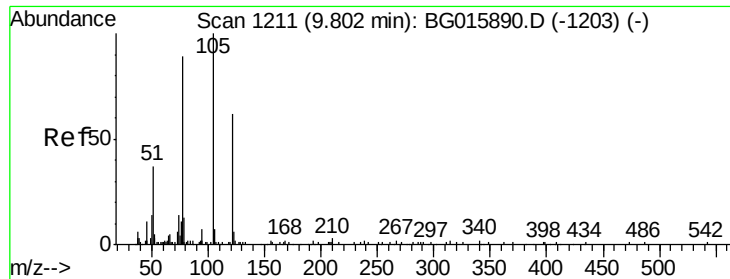
Tgt Ion	Ratio	Lower	Upper
82	100		
128	26.0	19.8	29.8
54	40.9	33.0	49.4



#31
 Naphthalene
 Concen: 47.60 ng
 RT: 10.52 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BG015929.D
 Acq: 27 Jan 2015 1:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.1	9.7	14.5#
127	13.9	9.8	14.6





#32

Benzoic acid

Concen: 10.31 ng

RT: 9.82 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Instrument :

BNA_G

ClientSampleId :

121B1

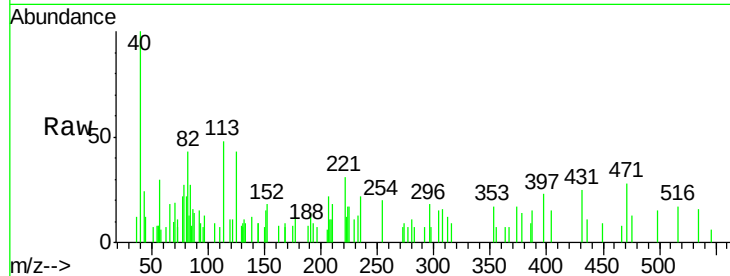
Tgt Ion:122 Resp: 94

Ion Ratio Lower Upper

122 100

105 0.0 140.2 180.2#

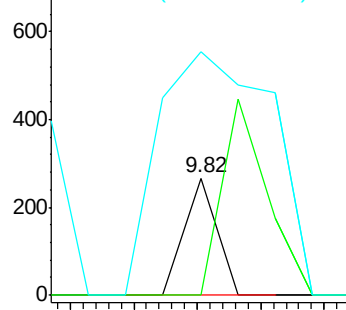
77 208.3 126.4 166.4#



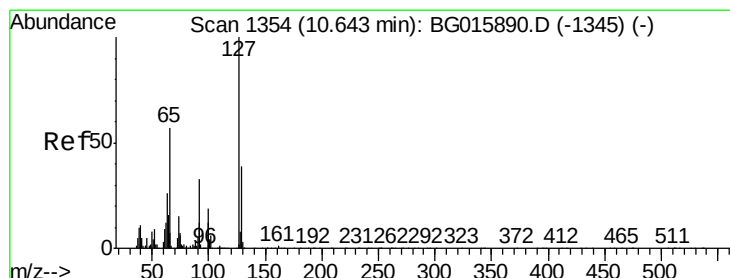
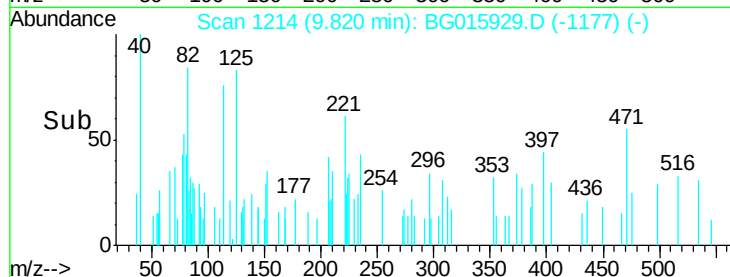
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#33

4-Chloroaniline

Concen: 13.84 ng

RT: 10.52 min Scan# 1333

Delta R.T. -0.12 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Tgt Ion:127 Resp: 110758

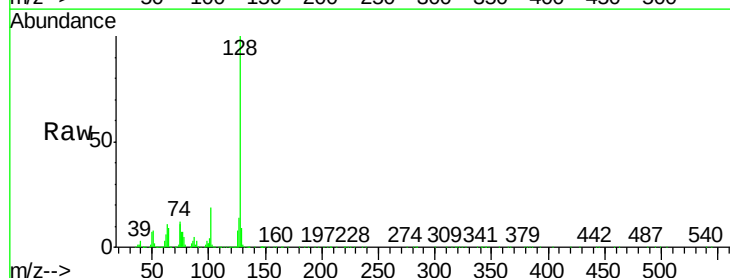
Ion Ratio Lower Upper

127 100

129 65.5 30.8 46.2#

65 0.0 45.4 68.2#

92 0.0 26.6 39.8#

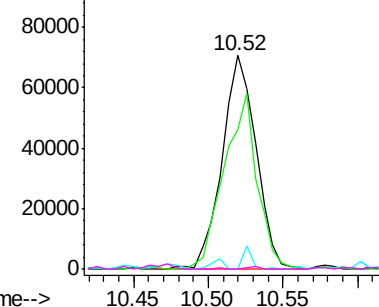


Abundance Ion 127.00 (126.70 to 127.70): E

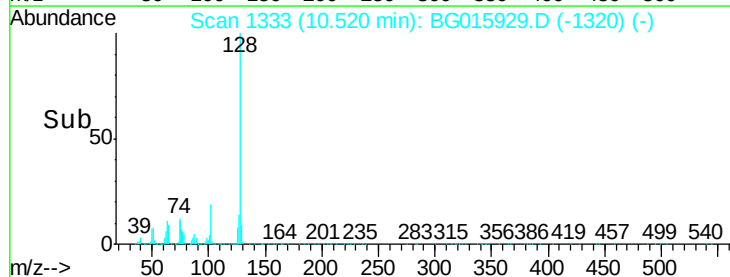
Ion 129.00 (128.70 to 129.70): E

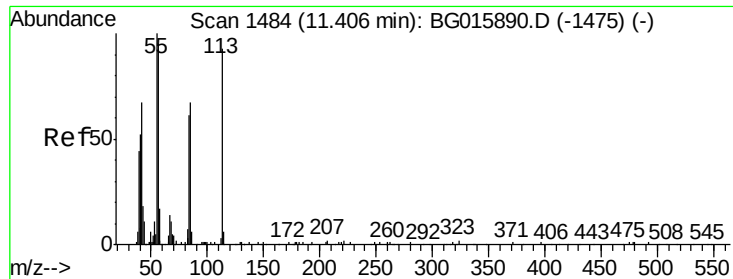
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



Time-->





#35

Caprolactam

Concen: 15.04 ng

RT: 11.28 min Scan# 1463

Delta R.T. -0.12 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Instrument :

BNA_G

ClientSampleId :

121B1

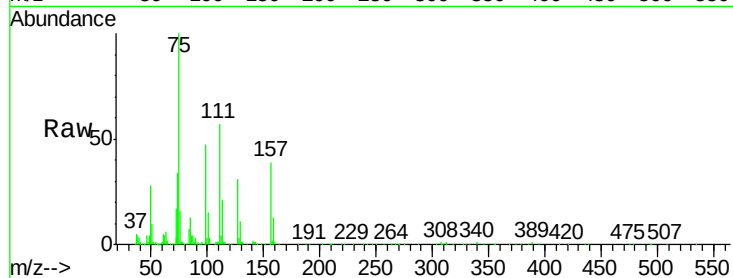
Tgt Ion:113 Resp: 44762

Ion Ratio Lower Upper

113 100

55 2.7 89.2 129.2#

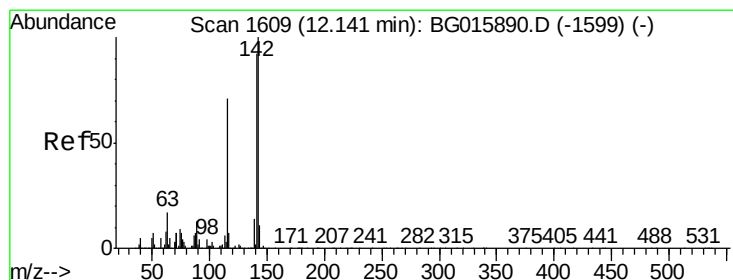
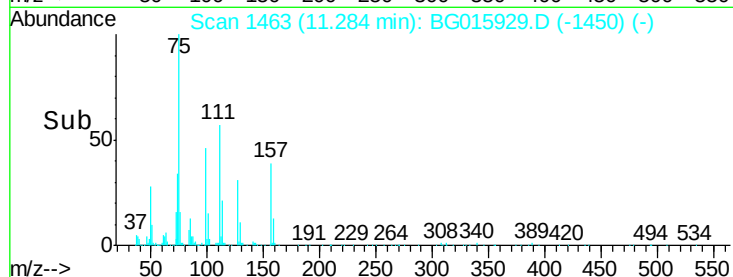
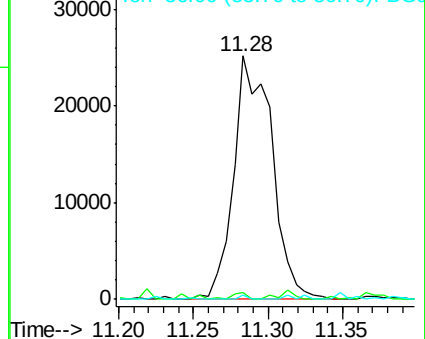
56 1.7 82.4 122.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#37

2-Methylnaphthalene

Concen: 11.54 ng

RT: 12.14 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

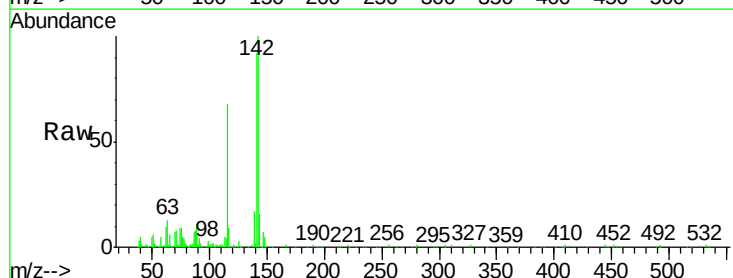
Tgt Ion:142 Resp: 157393

Ion Ratio Lower Upper

142 100

141 92.5 73.8 110.8

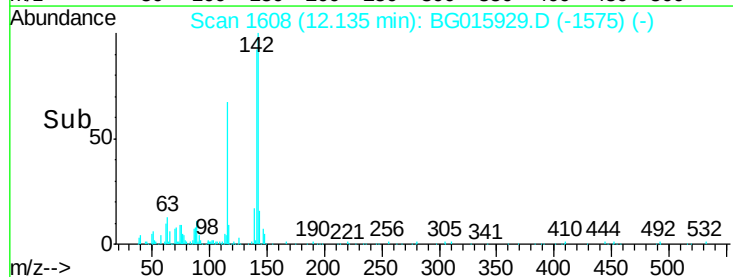
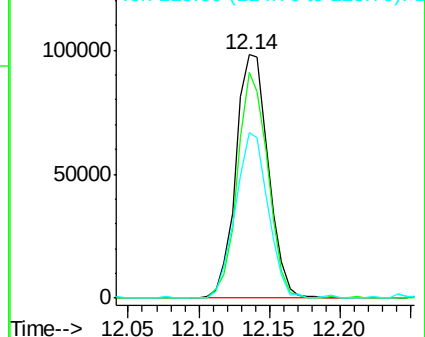
115 67.9 56.6 84.8

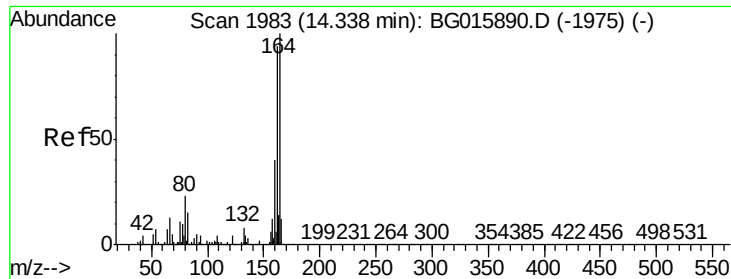


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

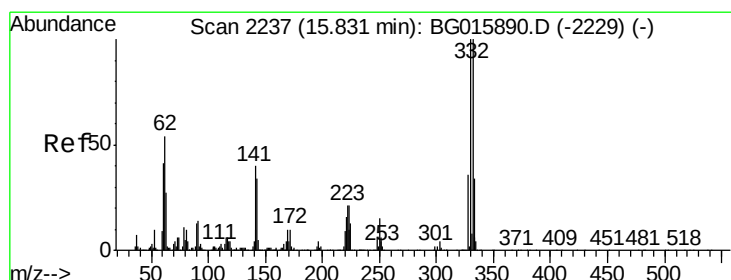
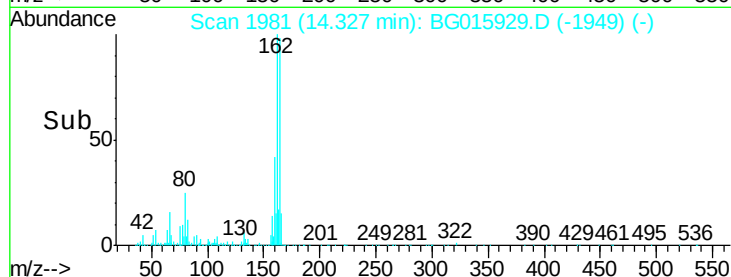
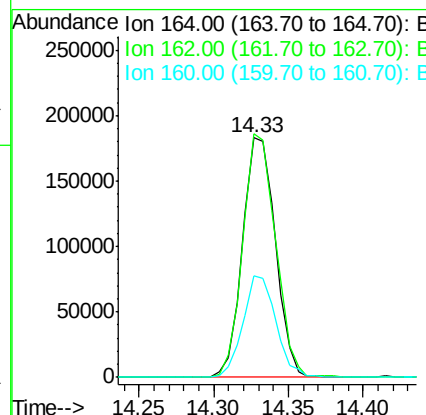
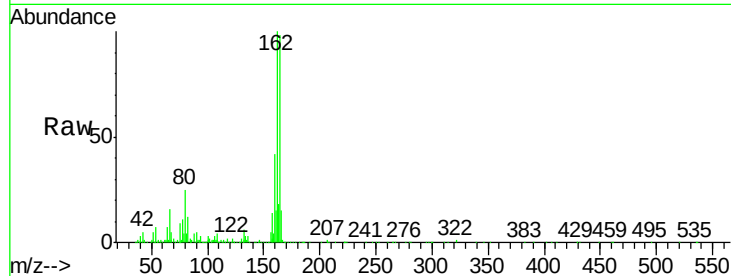




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.33 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

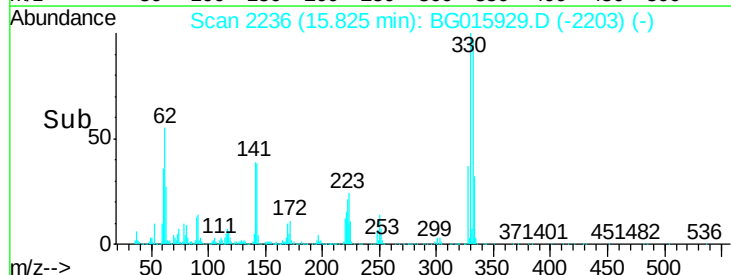
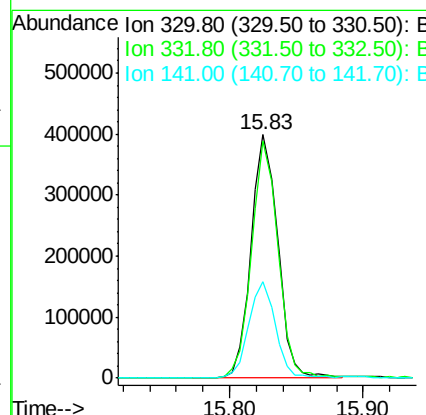
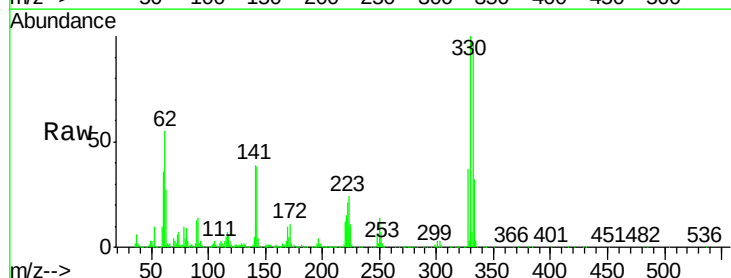
Instrument :
BNA_G
ClientSampled :
121B1

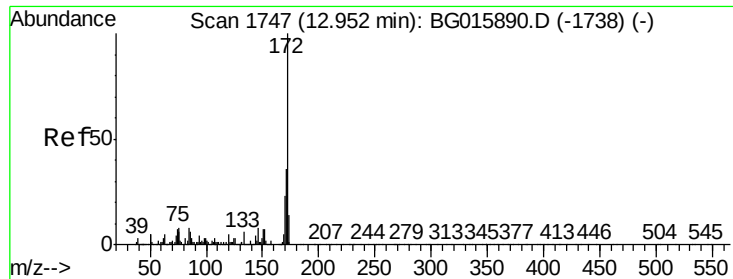
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	75.1	112.7
160	42.2	32.3	48.5



#41
2,4,6-Tribromophenol
Concen: 107.66 ng
RT: 15.83 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	39.6	33.0	49.6

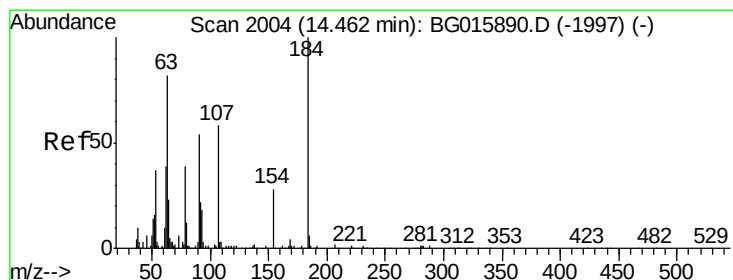
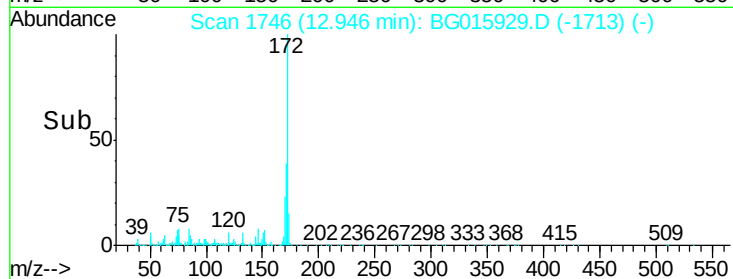
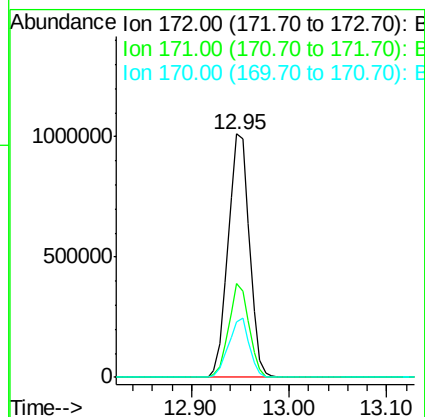
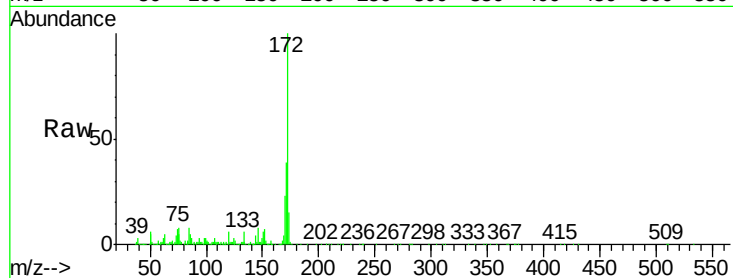




#44
2-Fluorobiphenyl
Concen: 85.95 ng
RT: 12.95 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

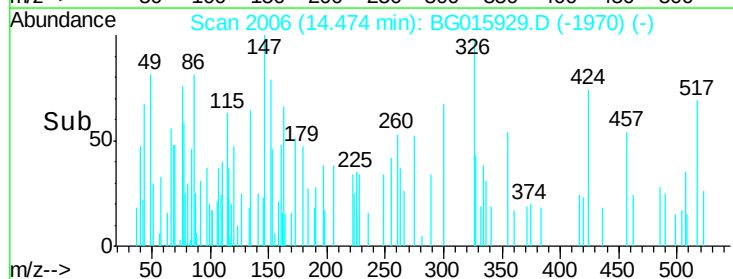
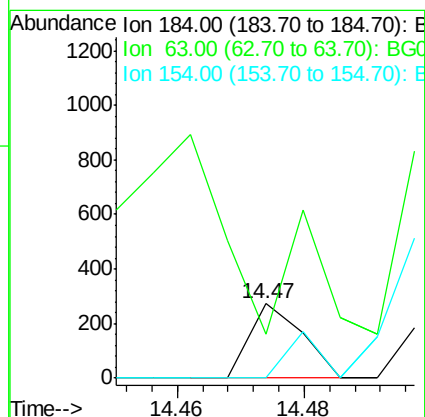
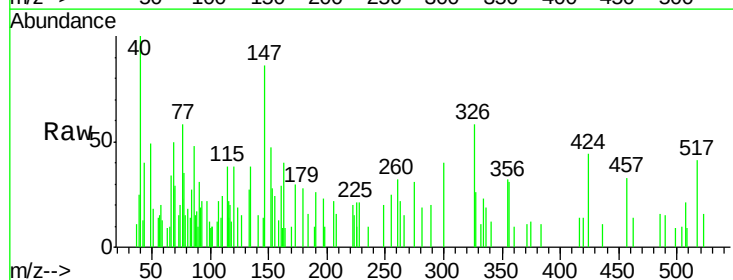
Instrument :
BNA_G
ClientSampleId :
121B1

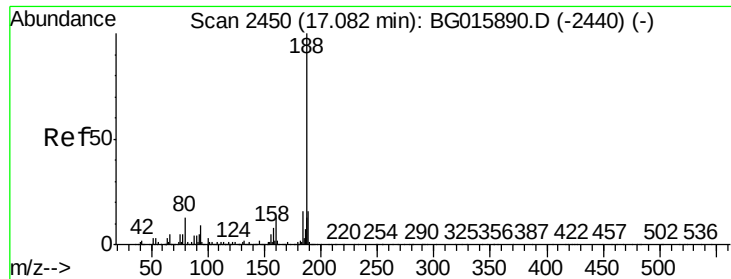
Tgt Ion:172 Resp: 1530061
Ion Ratio Lower Upper
172 100
171 38.5 29.2 43.8
170 23.0 18.6 27.8



#53
2,4-Dinitrophenol
Concen: 4.56 ng
RT: 14.47 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Tgt Ion:184 Resp: 155
Ion Ratio Lower Upper
184 100
63 59.0 68.6 103.0#
154 0.0 54.9 82.3#

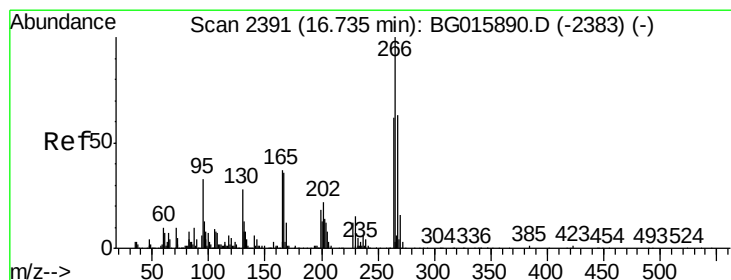
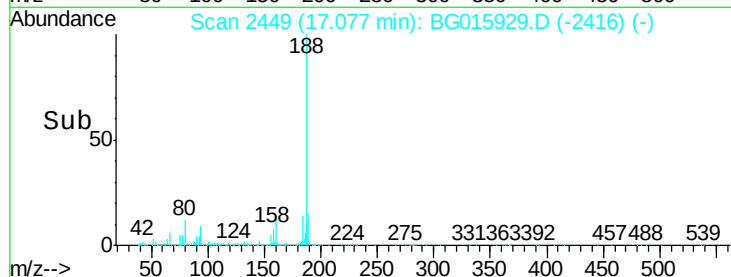
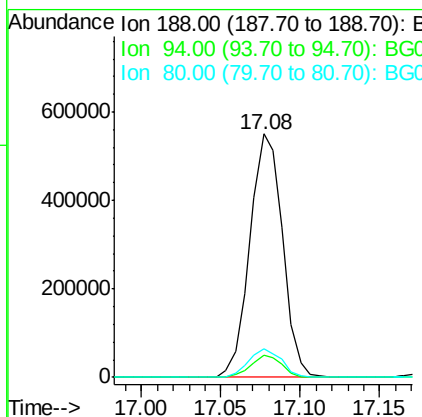
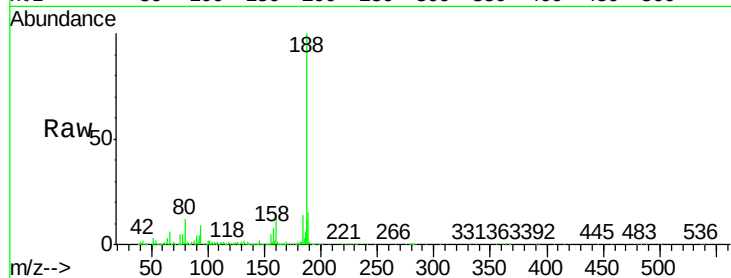




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

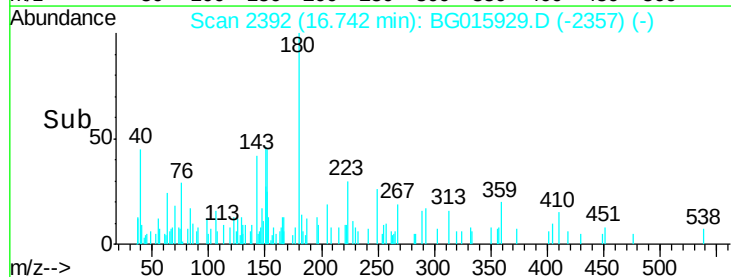
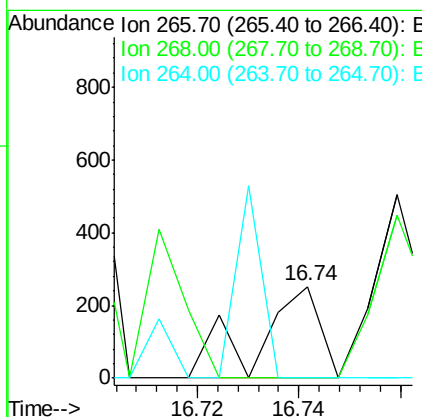
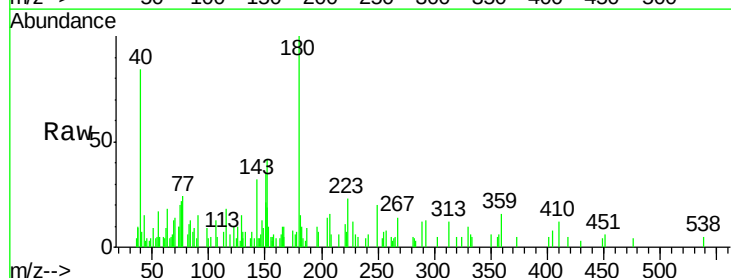
Instrument :
BNA_G
ClientSampleId :
121B1

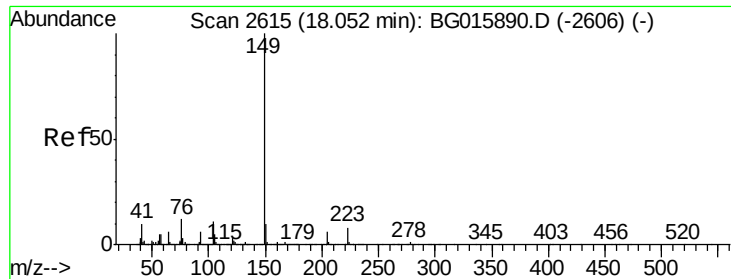
Tgt Ion:188 Resp: 790424
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.8
80 11.6 10.6 16.0



#69
Pentachlorophenol
Concen: 5.26 ng
RT: 16.74 min Scan# 2392
Delta R.T. 0.01 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Tgt Ion:266 Resp: 214
Ion Ratio Lower Upper
266 100
268 0.0 53.5 80.3#
264 0.0 51.9 77.9#





#73

Di-n-butylphthalate

Concen: 2.55 ng

RT: 18.05 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Instrument :

BNA_G

ClientSampleId :

121B1

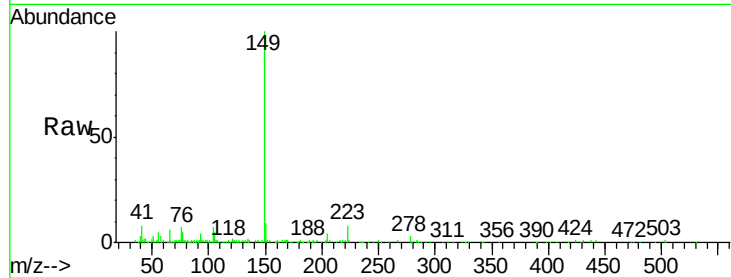
Tgt Ion:149 Resp: 100520

Ion Ratio Lower Upper

149 100

150 8.7 8.2 12.4

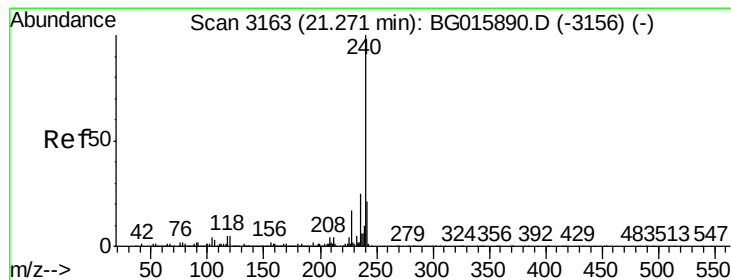
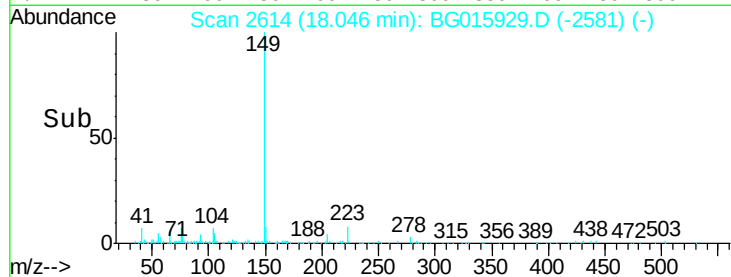
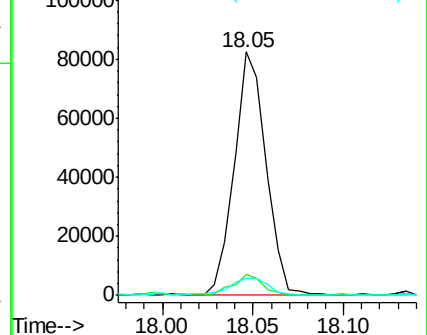
104 7.1 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

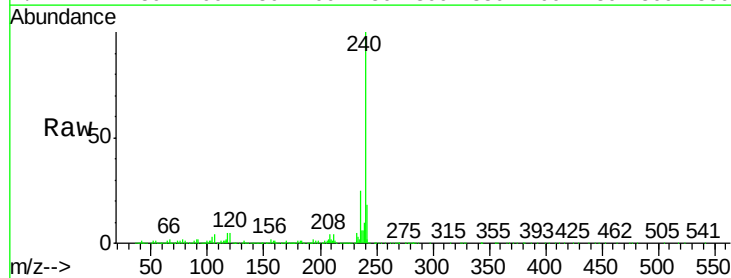
Tgt Ion:240 Resp: 1111203

Ion Ratio Lower Upper

240 100

120 4.7 3.9 5.9

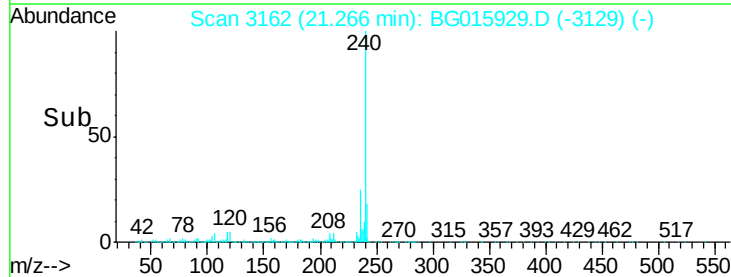
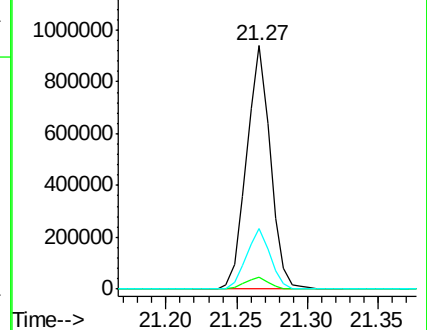
236 24.8 20.0 30.0

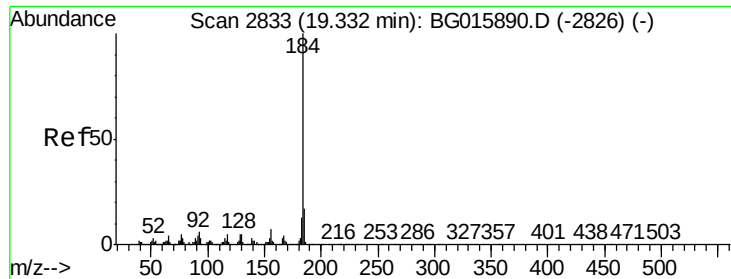


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.01 ng

RT: 19.35 min Scan# 2836

Delta R.T. 0.02 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

Instrument :

BNA_G

ClientSampleId :

121B1

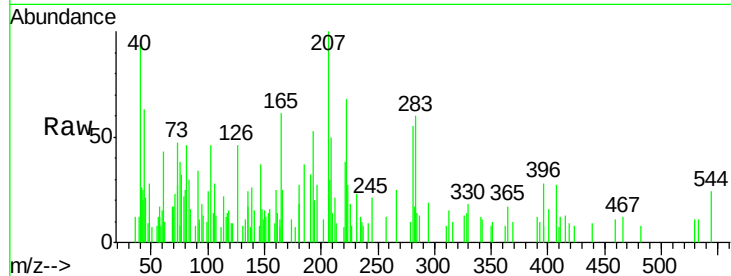
Tgt Ion:184 Resp: 529

Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

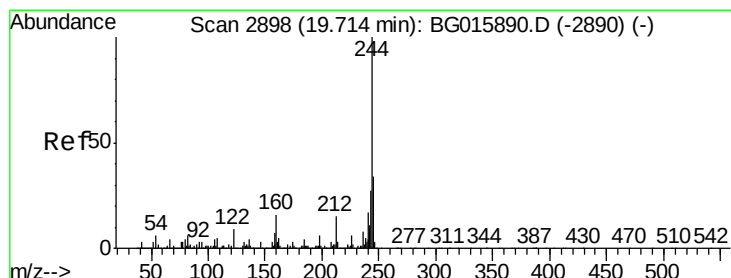
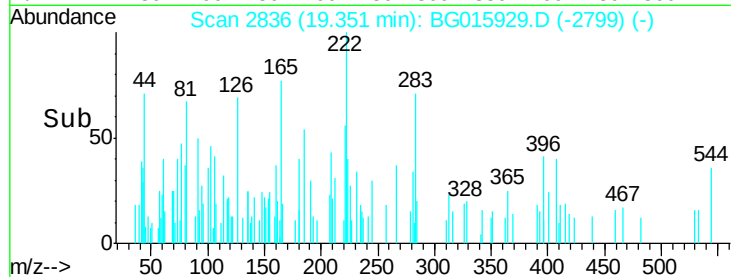
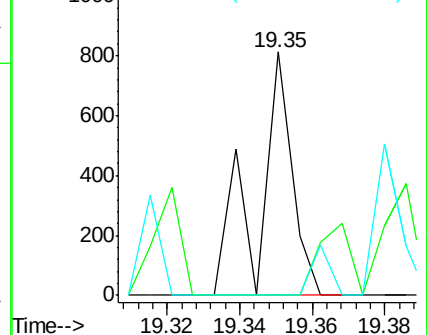
183 0.0 10.1 15.1#



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



#78

Terphenyl-d14

Concen: 56.73 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.01 min

Lab File: BG015929.D

Acq: 27 Jan 2015 1:31

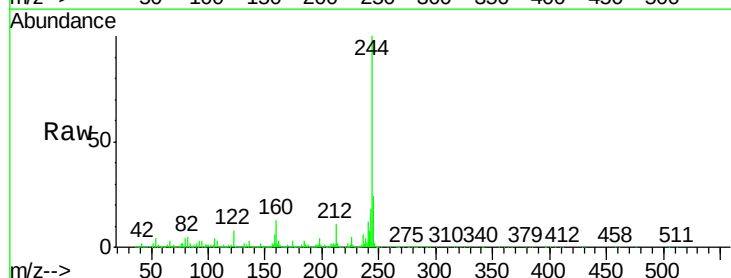
Tgt Ion:244 Resp: 2490293

Ion Ratio Lower Upper

244 100

212 10.5 11.6 17.4#

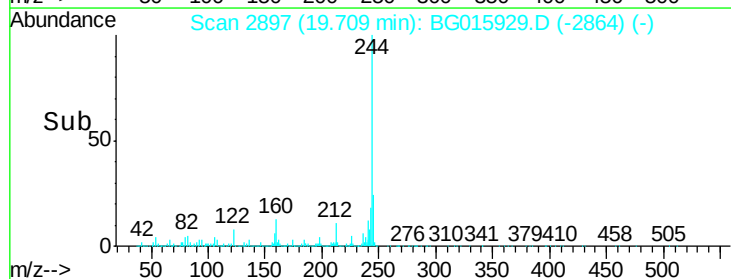
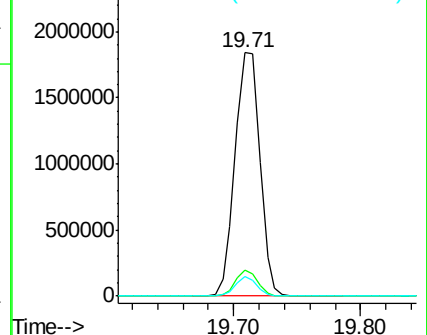
122 7.8 7.0 10.4

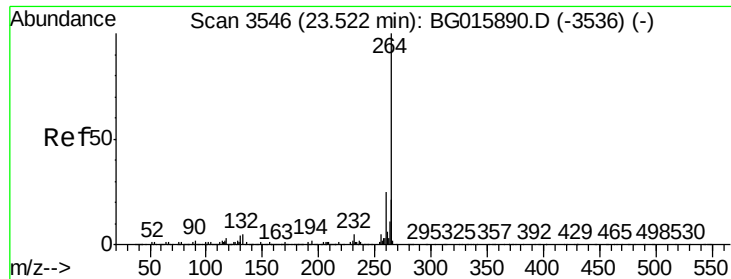


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.52 min Scan# 3546
Delta R.T. 0.00 min
Lab File: BG015929.D
Acq: 27 Jan 2015 1:31

Instrument :
BNA_G
ClientSampleId :
121B1

Tgt Ion:264 Resp: 1045552

Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.7	29.5
265	21.3	17.3	25.9

