

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062816\
 Data File : BG022690.D
 Acq On : 29 Jun 2016 00:26
 Operator : UM/SJ
 Sample : H3768-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B1-10-11

Quant Time: Jun 29 04:00:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	129077	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	521912	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	366241	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	887581	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1068142	20.00	ng	0.00
86) Perylene-d12	25.20	264	1120798	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	1050889	130.59	ng	0.00
7) Phenol-d6	7.31	99	1563672	137.85	ng	0.00
23) Nitrobenzene-d5	9.33	82	1209557	98.09	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	742983	128.98	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2166740	93.82	ng	0.00
78) Terphenyl-d14	20.15	244	3022569	74.97	ng	0.00

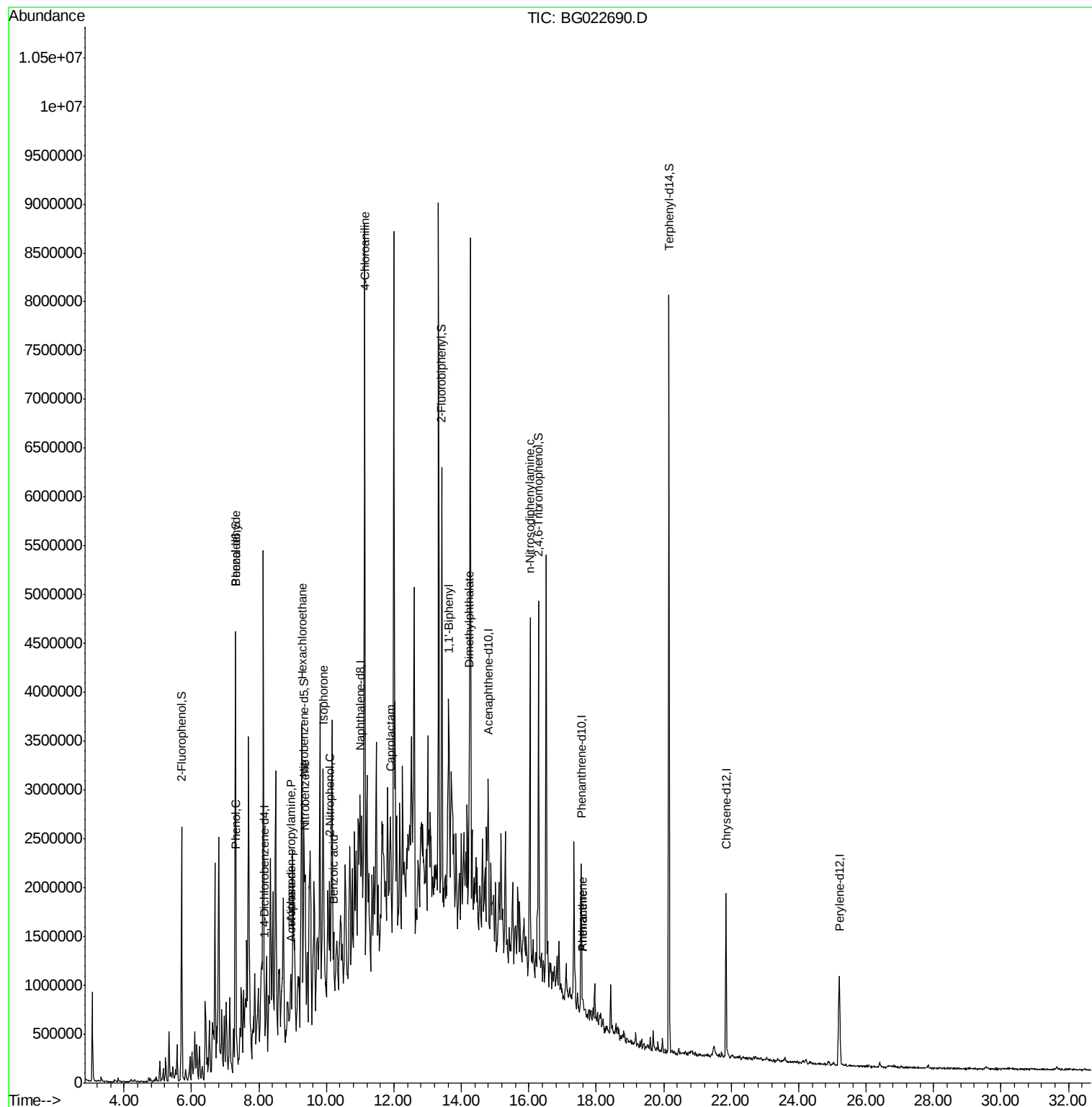
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	32151	8.05	ng	# 11
10) Phenol	7.33	94	31572	2.63	ng	# 34
18) Hexachloroethane	9.28	117	22232	5.28	ng	# 1
19) n-Nitroso-di-n-propylamine	8.94	70	59243	6.27	ng	# 81
22) Acetophenone	8.97	105	94945	6.29	ng	# 53
24) Nitrobenzene	9.36	77	35940	2.64	ng	# 41
25) Isophorone	9.89	82	271362	11.34	ng	# 1
26) 2-Nitrophenol	10.09	139	25265	5.15	ng	# 22
32) Benzoic acid	10.19	122	32720	9.88	ng	# 70
33) 4-Chloroaniline	11.13	127	23285	2.06	ng	# 34
35) Caprolactam	11.90	113	13617	4.73	ng	# 1
45) 1,1'-Biphenyl	13.63	154	55819	2.00	ng	95
49) Dimethylphthalate	14.24	163	561749	18.49	ng	# 95
65) n-Nitrosodiphenylamine	16.03	169	90026	3.49	ng	# 45
70) Phenanthrene	17.60	178	95145	2.10	ng	97
71) Anthracene	17.60	178	95145	2.04	ng	96

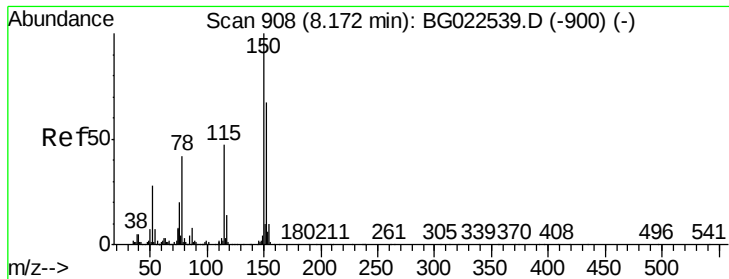
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampleId :

B1-10-11

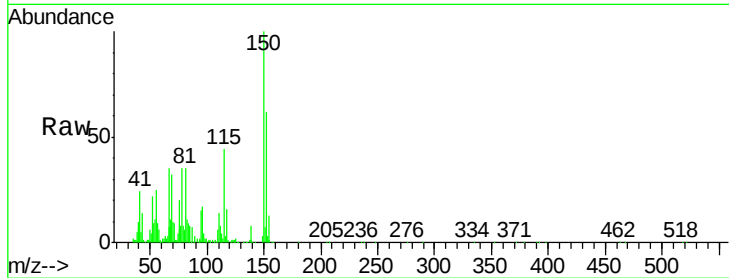
Tgt Ion:152 Resp: 129077

Ion Ratio Lower Upper

152 100

150 160.8 144.7 217.1

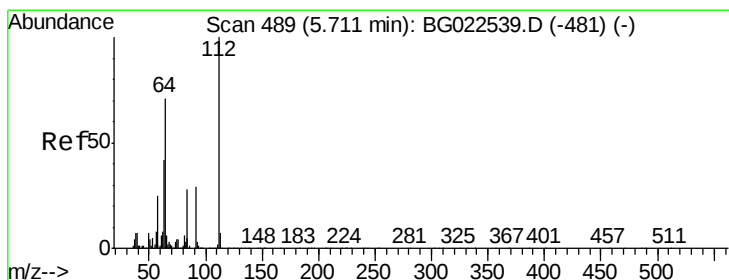
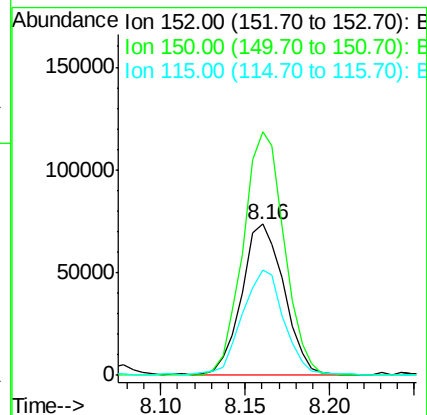
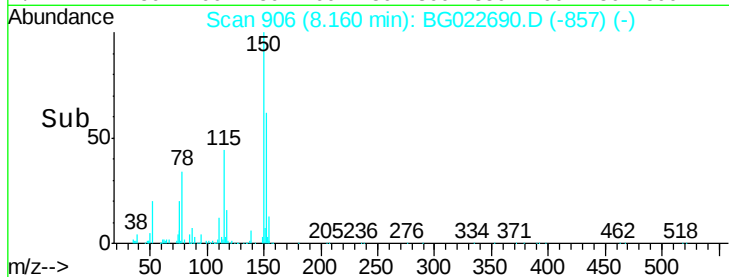
115 70.0 64.0 96.0



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: 130.59 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

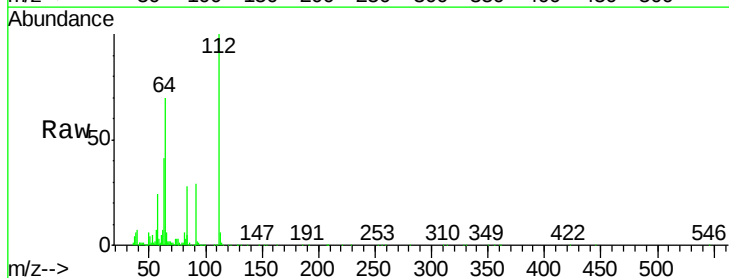
Tgt Ion:112 Resp: 1050889

Ion Ratio Lower Upper

112 100

64 70.4 59.0 88.4

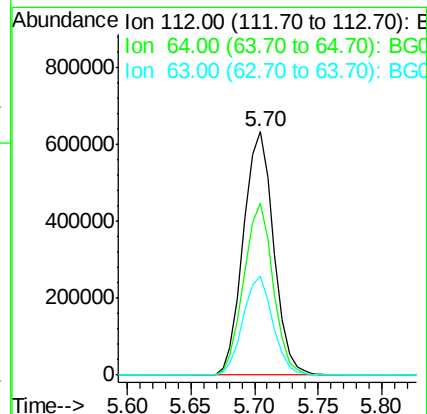
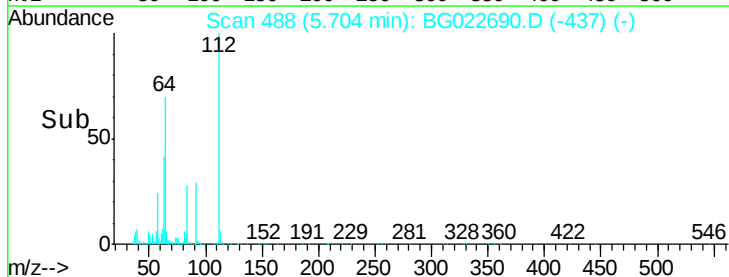
63 40.6 37.8 56.8



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: 137.85 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampled :

B1-10-11

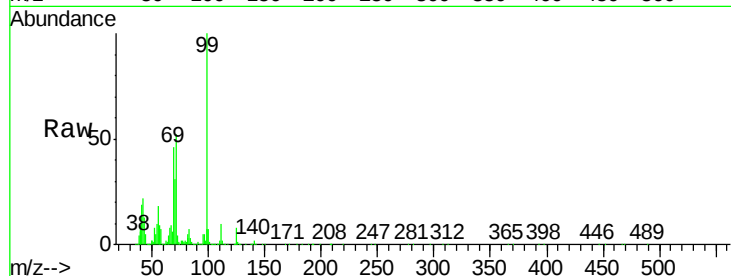
Tgt Ion: 99 Resp: 1563672

Ion Ratio Lower Upper

99 100

42 22.0 17.8 26.6

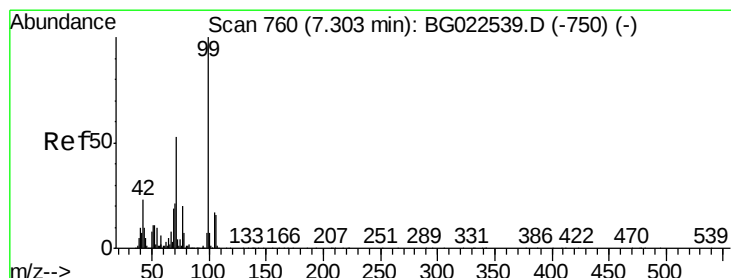
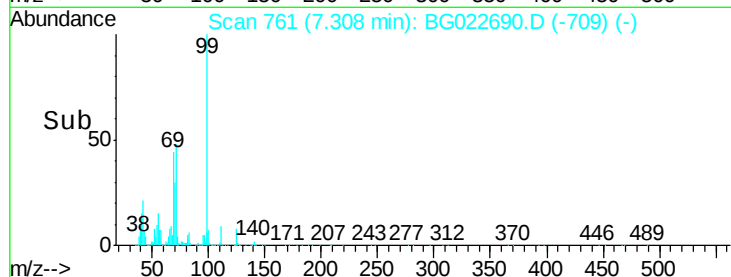
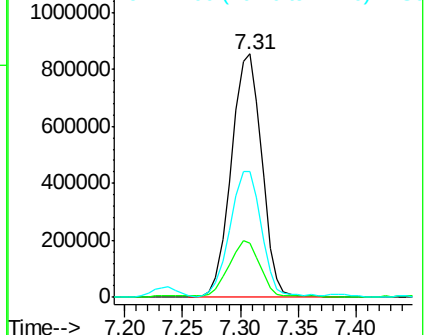
71 51.9 41.5 62.3



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



#9

Benzaldehyde

Concen: 8.05 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

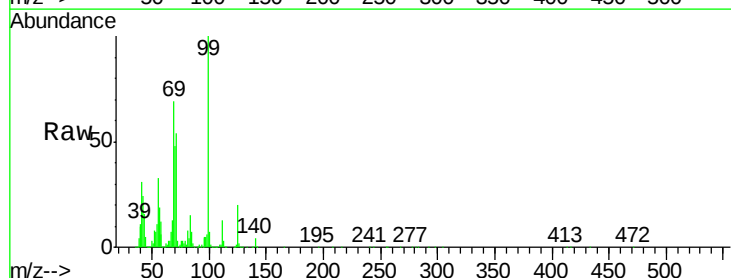
Tgt Ion: 77 Resp: 32151

Ion Ratio Lower Upper

77 100

105 4.1 58.7 98.7#

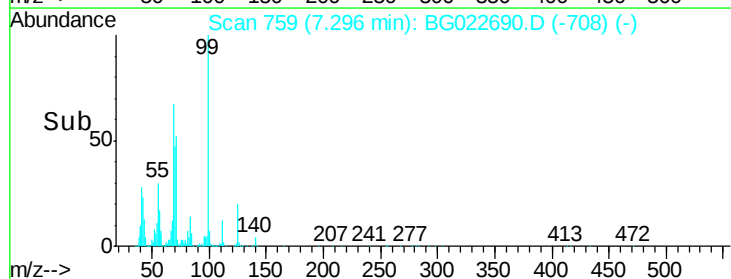
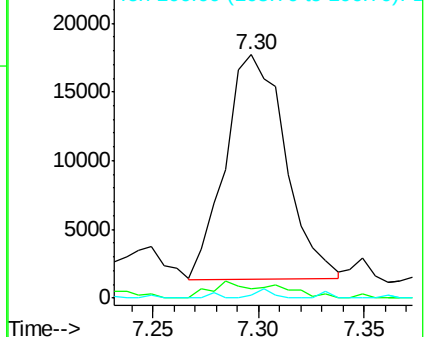
106 1.3 67.5 107.5#

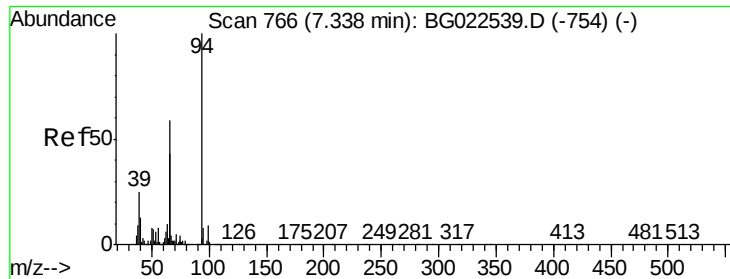


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.63 ng

RT: 7.33 min Scan# 764

Delta R.T. -0.01 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampleId :

B1-10-11

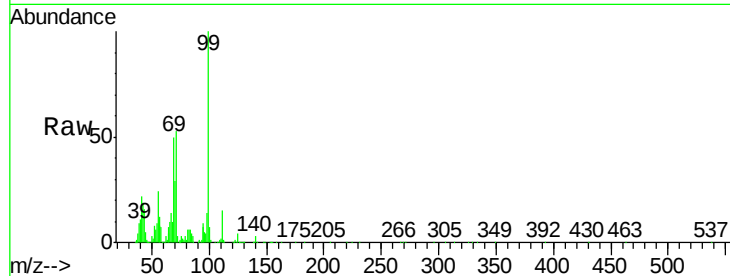
Tgt Ion: 94 Resp: 31572

Ion Ratio Lower Upper

94 100

65 76.7 18.1 58.1#

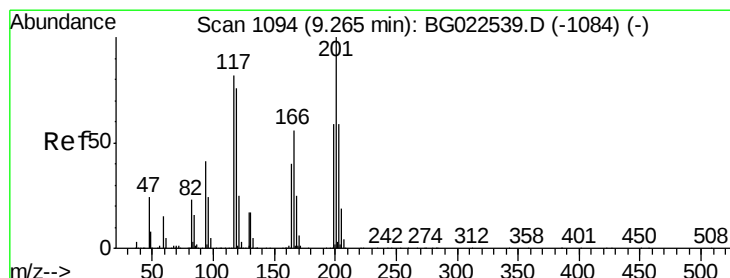
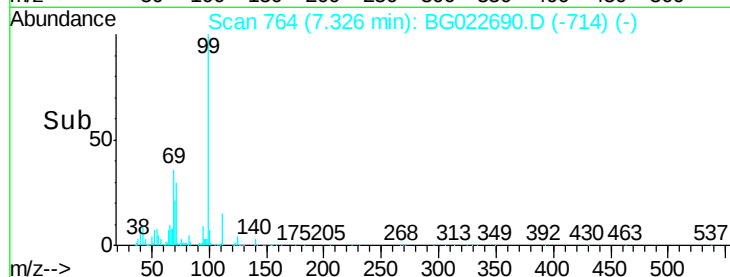
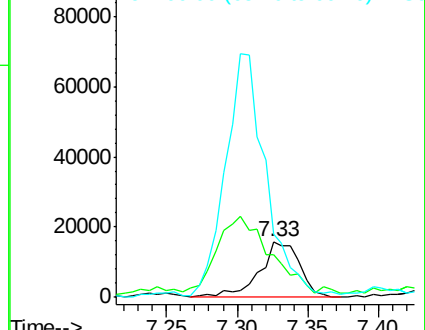
66 114.1 42.1 82.1#



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#18

Hexachloroethane

Concen: 5.28 ng

RT: 9.28 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

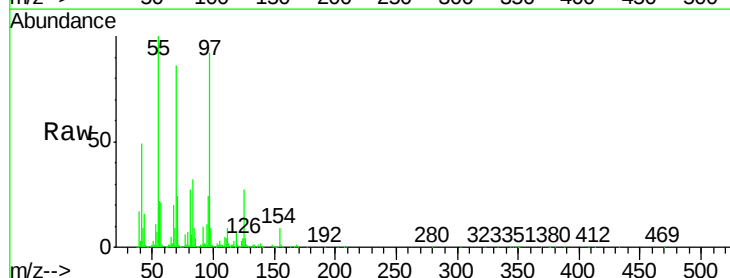
Tgt Ion: 117 Resp: 22232

Ion Ratio Lower Upper

117 100

119 271.4 73.7 110.5#

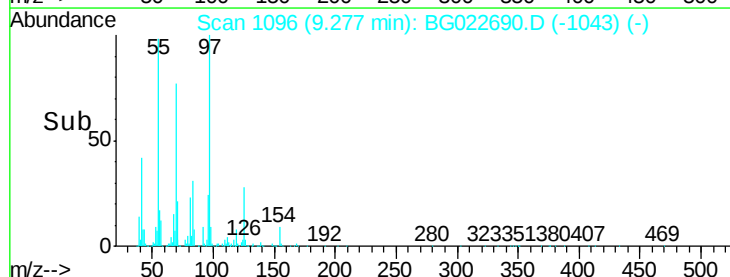
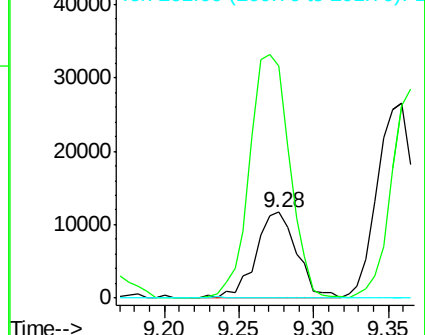
201 0.0 88.7 133.1#

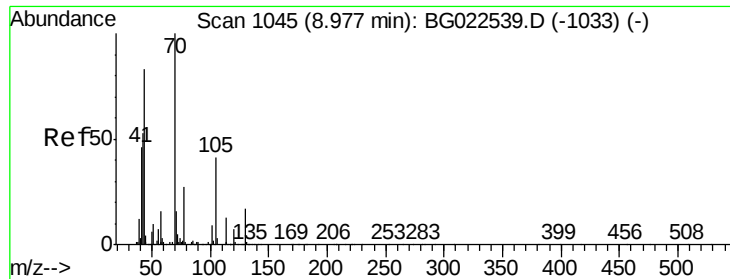


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

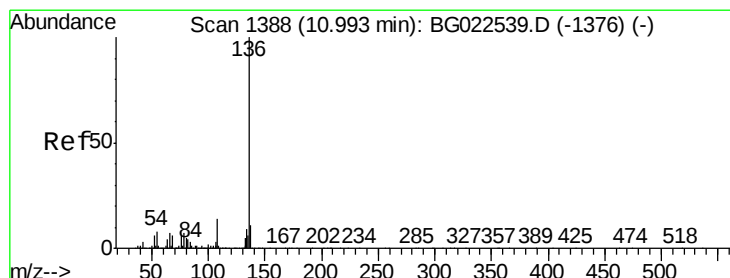
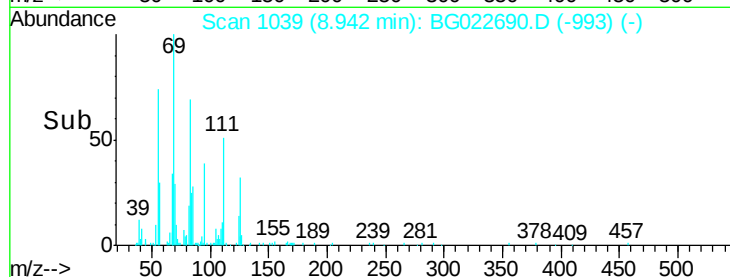
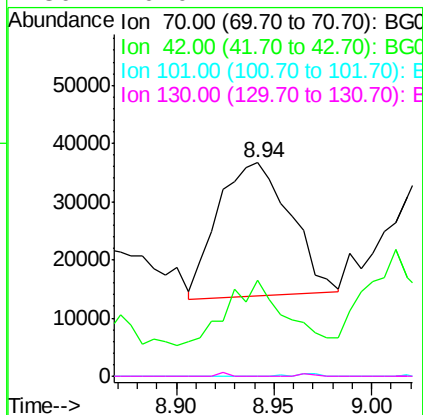
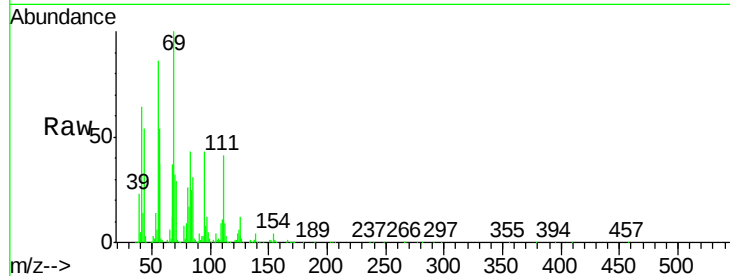




#19
n-Nitroso-di-n-propylamine
Concen: 6.27 ng
RT: 8.94 min Scan# 1039
Delta R.T. -0.03 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

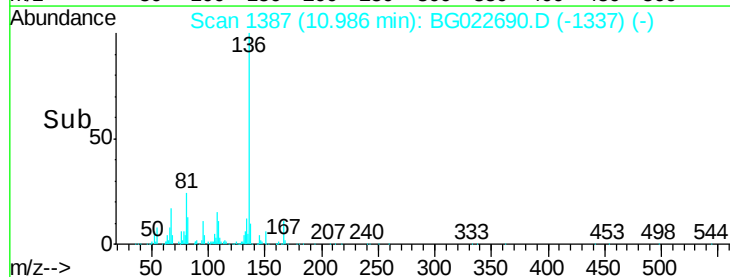
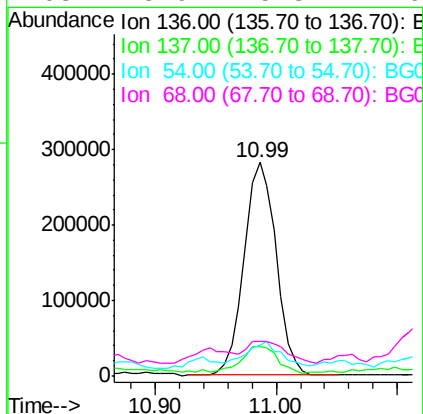
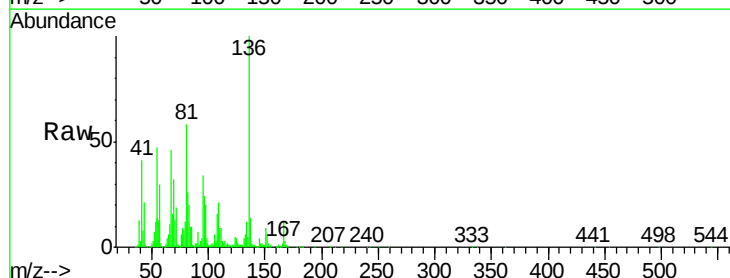
Instrument :
BNA_G
ClientSampleId :
B1-10-11

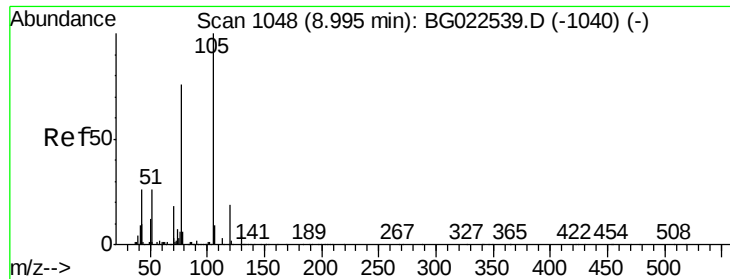
Tgt Ion: 70 Resp: 59243
Ion Ratio Lower Upper
70 100
42 45.2 42.1 63.1
101 0.0 7.2 10.8#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion: 136 Resp: 521912
Ion Ratio Lower Upper
136 100
137 13.6 9.6 14.4
54 14.2 7.3 10.9#
68 15.9 5.3 7.9#





#22

Acetophenone

Concen: 6.29 ng

RT: 8.97 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampleId :

B1-10-11

Tgt Ion: 105 Resp: 94945

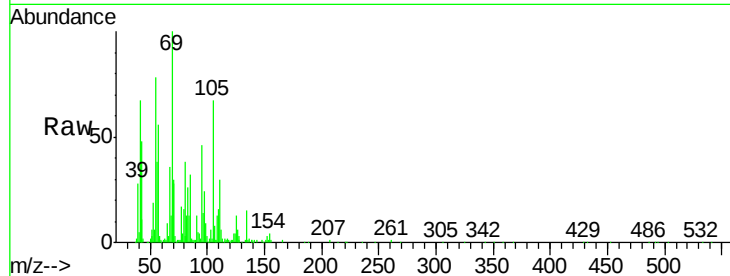
Ion Ratio Lower Upper

105 100

71 41.3 2.6 3.8#

51 9.0 27.1 40.7#

120 0.4 15.1 22.7#



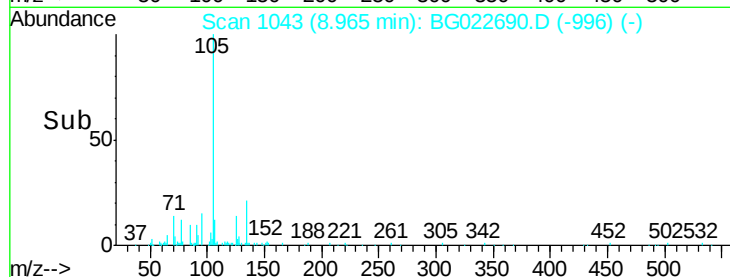
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

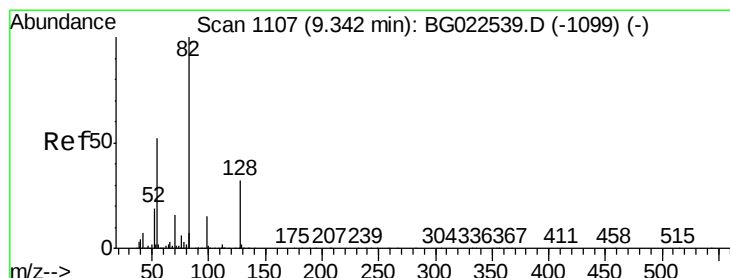
Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 98.09 ng

RT: 9.33 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

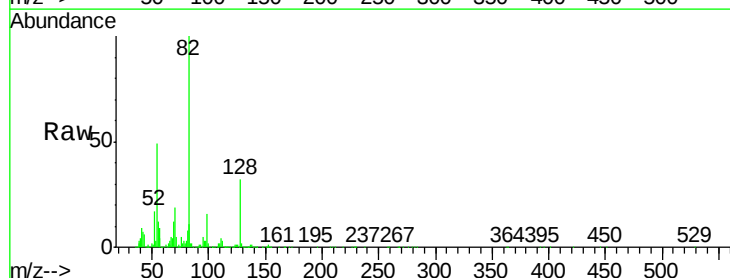
Tgt Ion: 82 Resp: 1209557

Ion Ratio Lower Upper

82 100

128 32.3 24.4 36.6

54 49.0 41.4 62.0

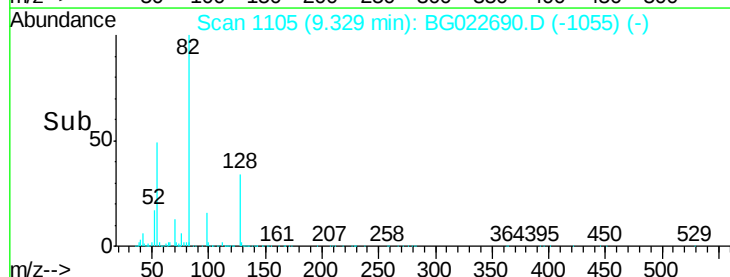


Abundance Ion 82.00 (81.70 to 82.70): BGC

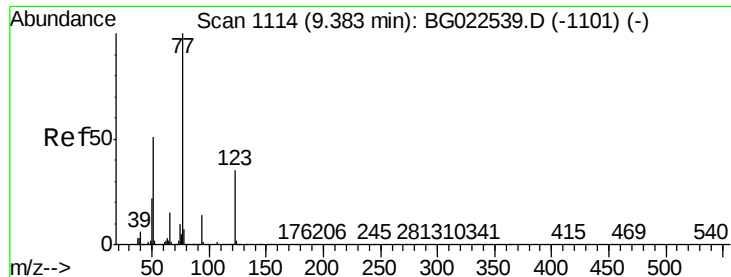
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

Time-->



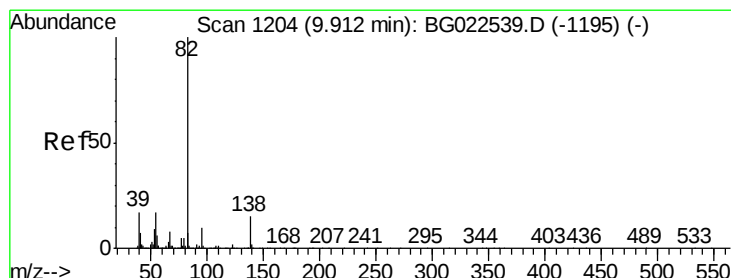
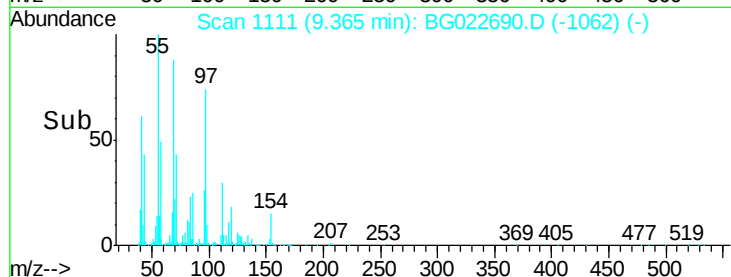
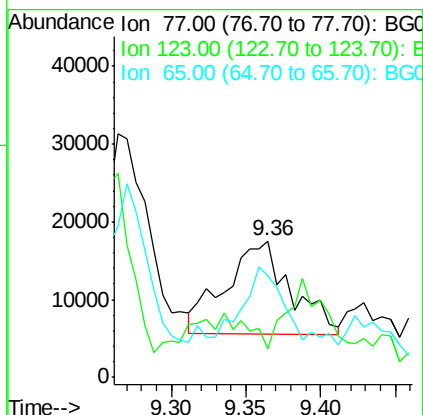
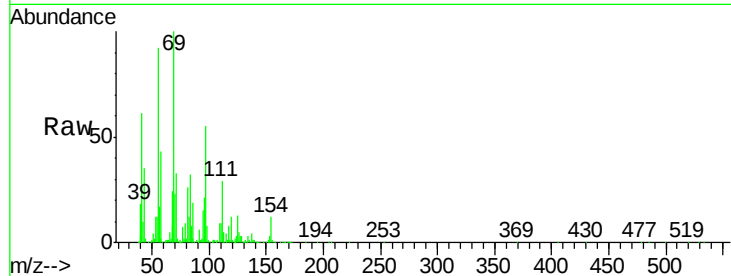
Time-->



#24
Nitrobenzene
Concen: 2.64 ng
RT: 9.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

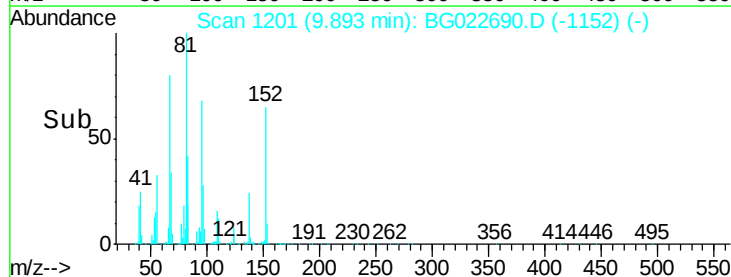
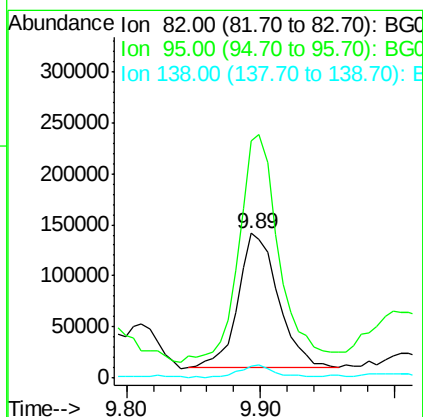
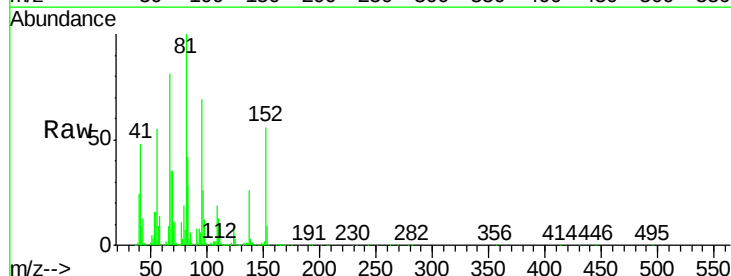
Instrument :
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B1-10-11

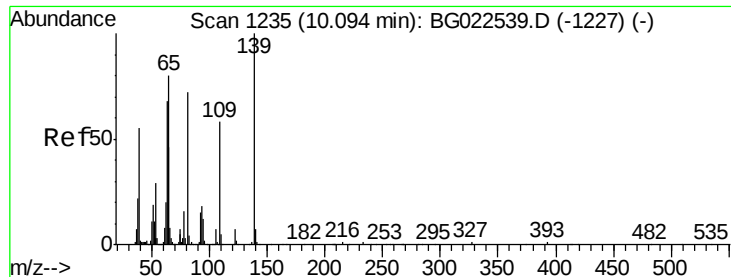
Tgt Ion: 77 Resp: 35940
Ion Ratio Lower Upper
77 100
123 21.1 25.0 37.6#
65 74.3 13.4 20.0#



#25
Isophorone
Concen: 11.34 ng
RT: 9.89 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion: 82 Resp: 271362
Ion Ratio Lower Upper
82 100
95 164.5 8.2 12.2#
138 8.0 10.7 16.1#

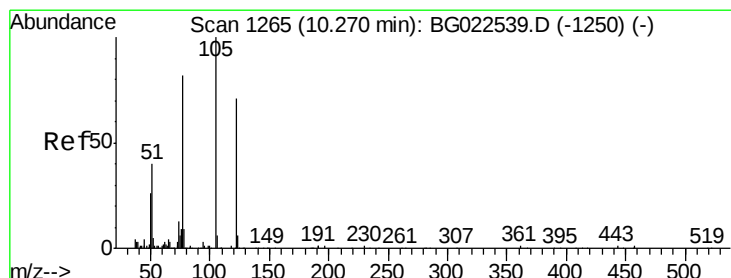
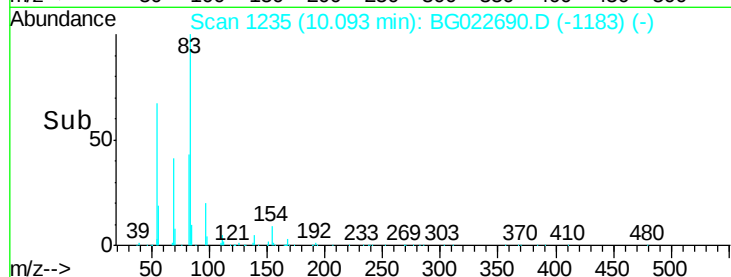
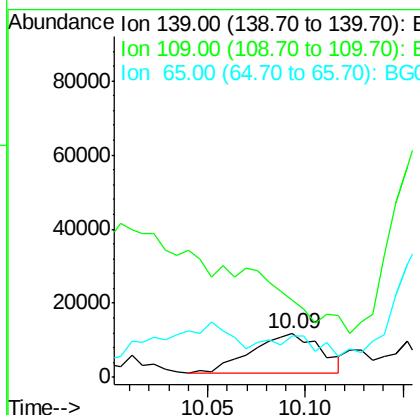
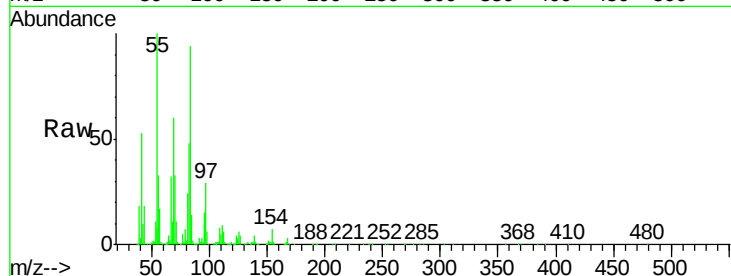




#26
2-Nitrophenol
Concen: 5.15 ng
RT: 10.09 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

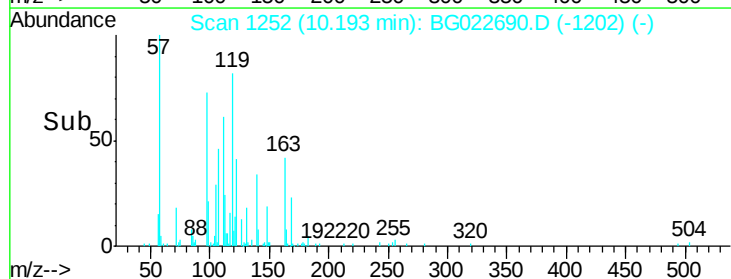
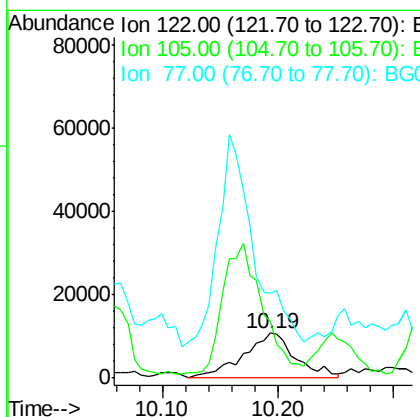
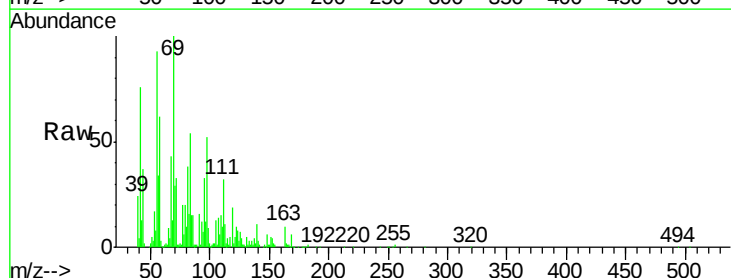
Instrument :
BNA_G
ClientSampleId :
B1-10-11

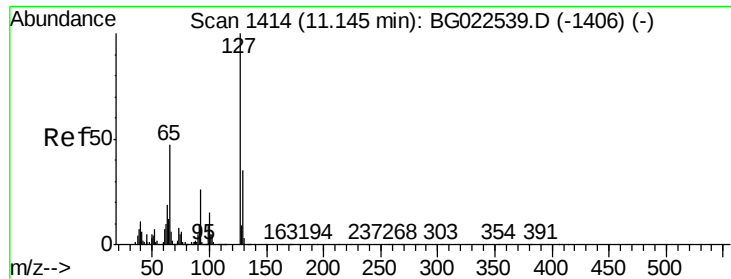
Tgt Ion:139 Resp: 25265
Ion Ratio Lower Upper
139 100
109 176.7 43.5 65.3#
65 94.5 64.3 96.5



#32
Benzoic acid
Concen: 9.88 ng
RT: 10.19 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion:122 Resp: 32720
Ion Ratio Lower Upper
122 100
105 124.9 117.2 157.2
77 187.2 109.2 149.2#

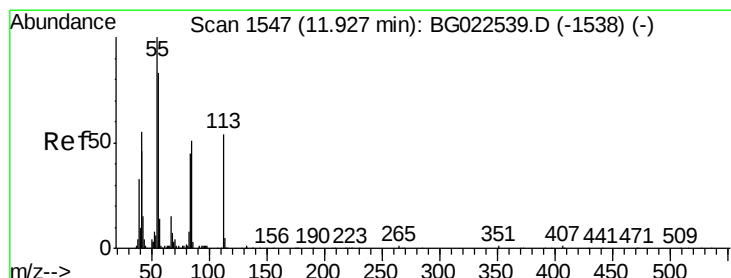
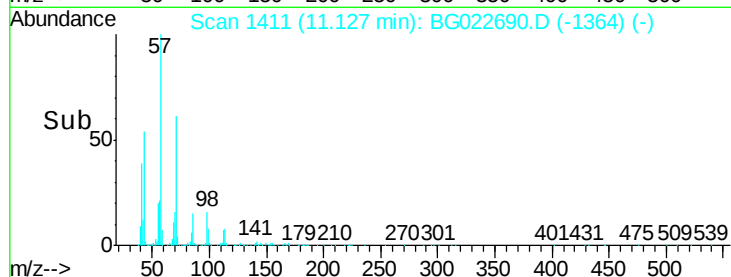
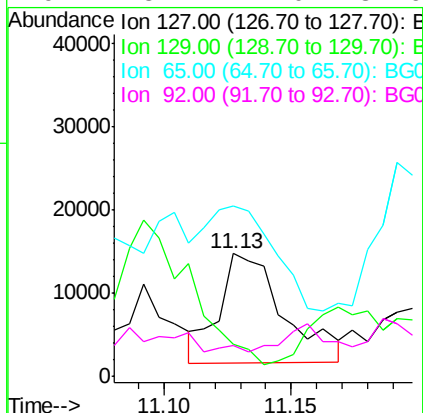
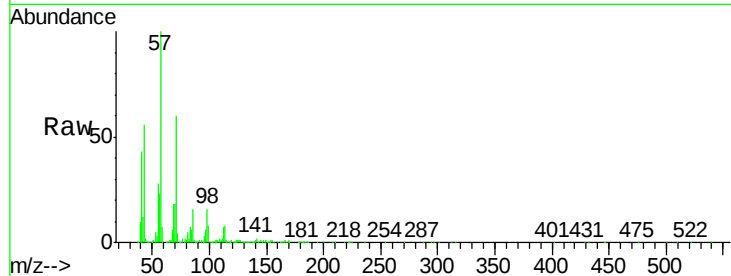




#33
4-Chloroaniline
Concen: 2.06 ng
RT: 11.13 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

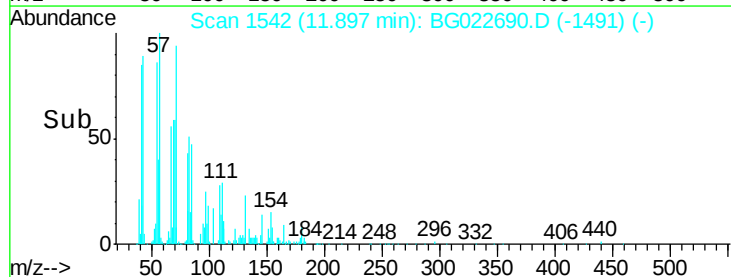
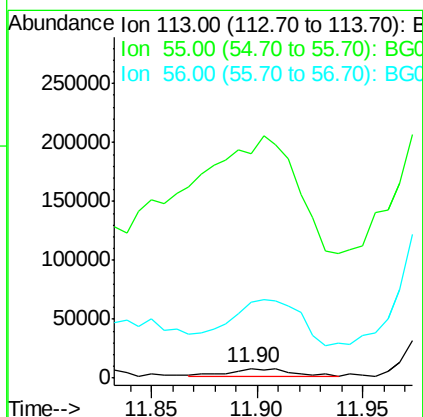
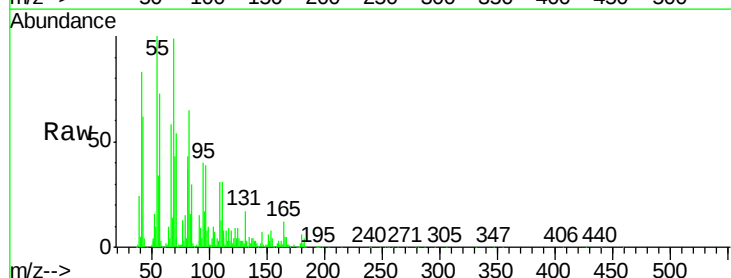
Instrument :
BNA_G
ClientSampleId :
B1-10-11

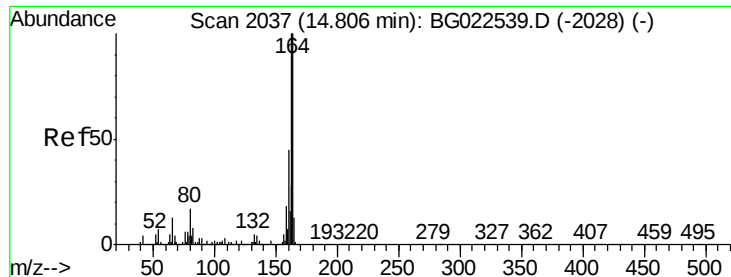
Tgt Ion	Ratio	Lower	Upper
127	100		
129	25.9	27.9	41.9#
65	139.0	36.8	55.2#
92	25.2	21.0	31.6



#35
Caprolactam
Concen: 4.73 ng
RT: 11.90 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion	Ratio	Lower	Upper
113	100		
55	2367.5	154.5	194.5#
56	797.4	125.1	165.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampleId :

B1-10-11

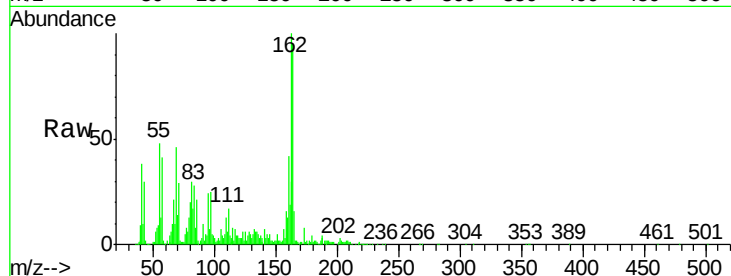
Tgt Ion:164 Resp: 366241

Ion Ratio Lower Upper

164 100

162 105.8 87.7 131.5

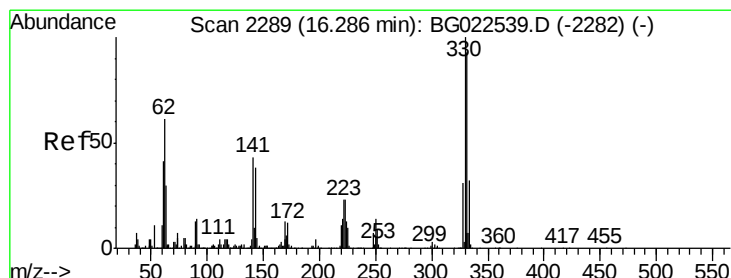
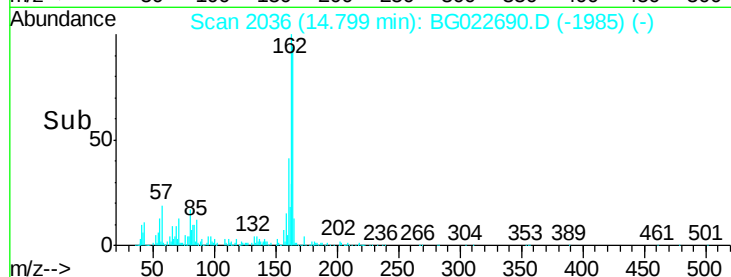
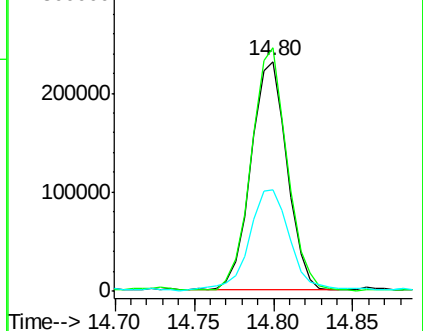
160 44.4 37.2 55.8



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: 128.98 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

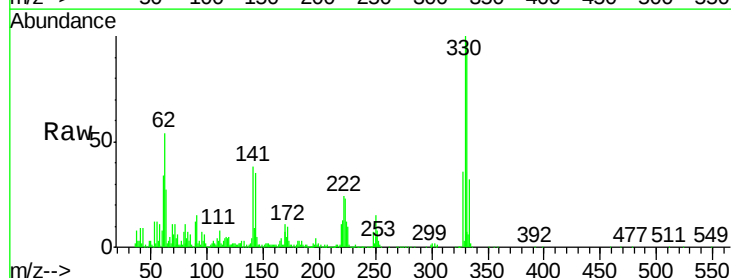
Tgt Ion:330 Resp: 742983

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

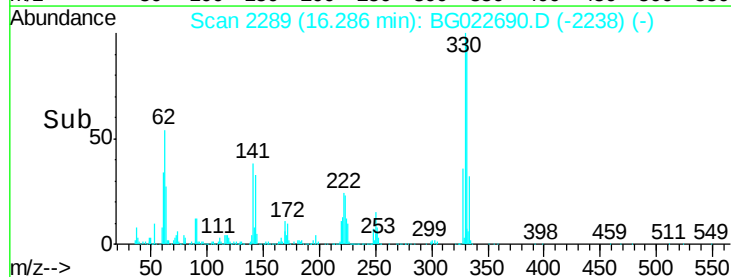
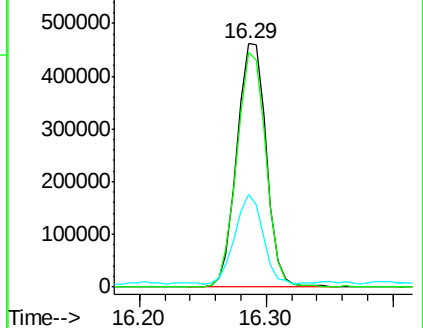
141 34.7 31.7 47.5

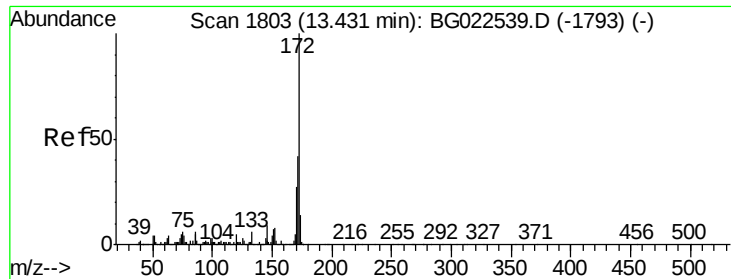


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

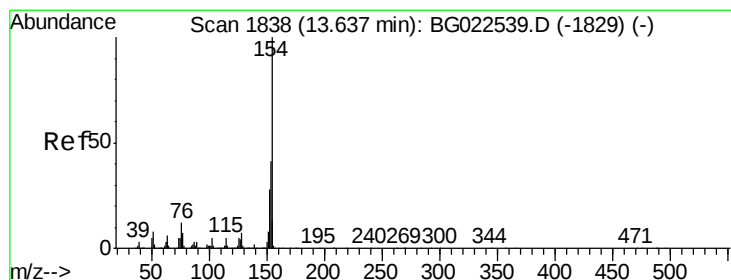
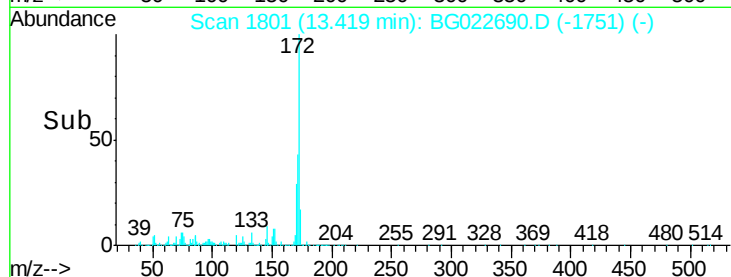
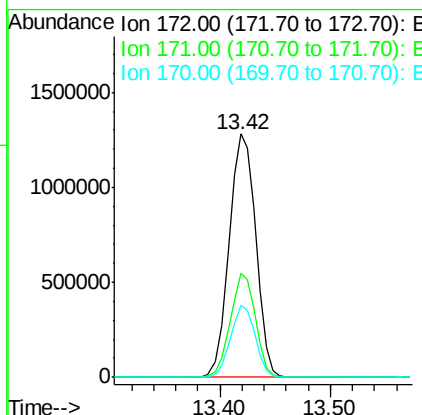
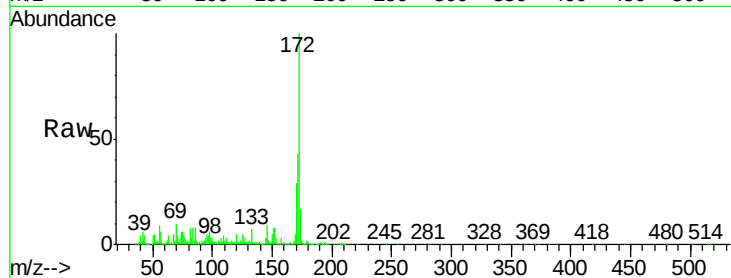




#44
2-Fluorobiphenyl
Concen: 93.82 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

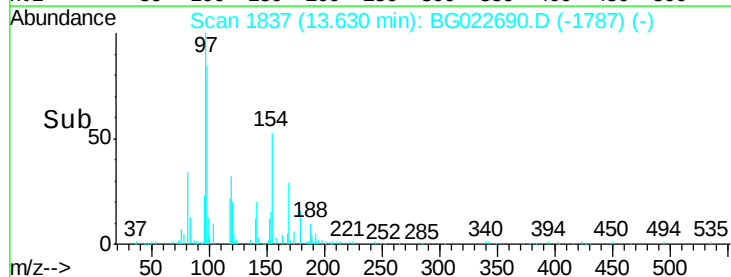
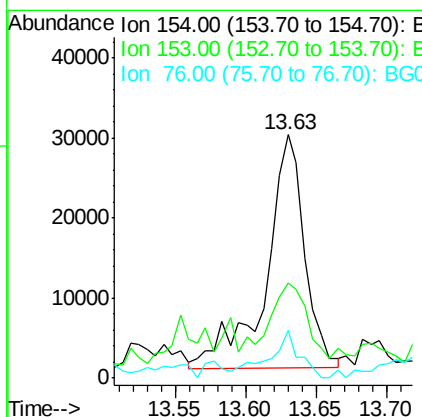
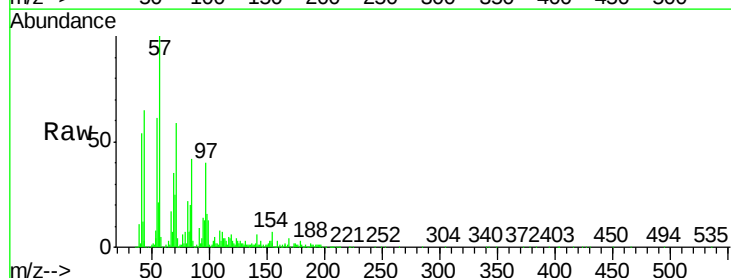
Instrument :
BNA_G
ClientSampleId :
B1-10-11

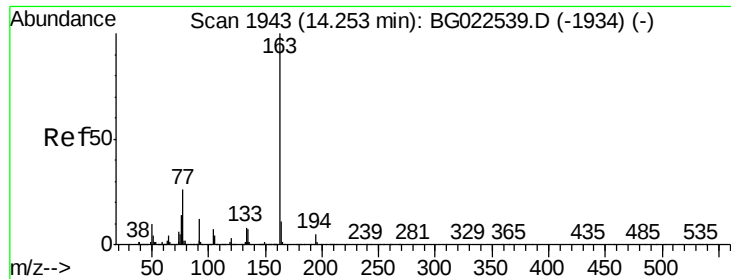
Tgt Ion:172 Resp: 2166740
Ion Ratio Lower Upper
172 100
171 42.5 31.6 47.4
170 29.5 21.3 31.9



#45
1,1'-Biphenyl
Concen: 2.00 ng
RT: 13.63 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion:154 Resp: 55819
Ion Ratio Lower Upper
154 100
153 39.3 20.2 60.2
76 19.7 0.0 32.9

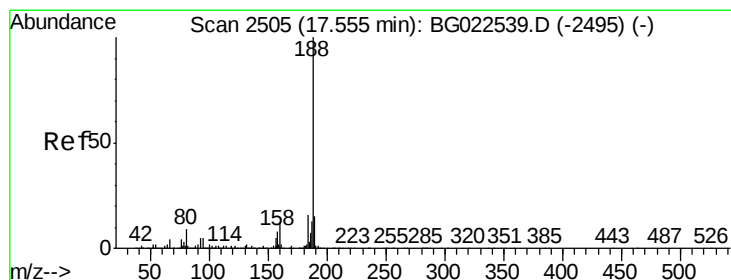
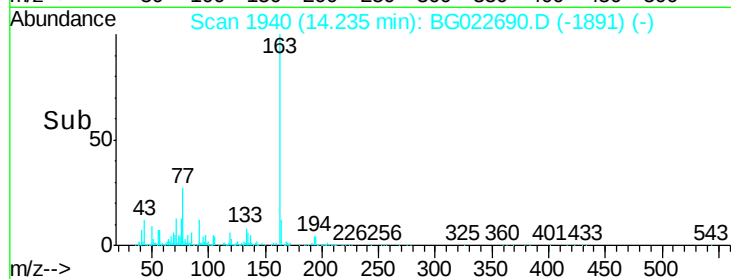
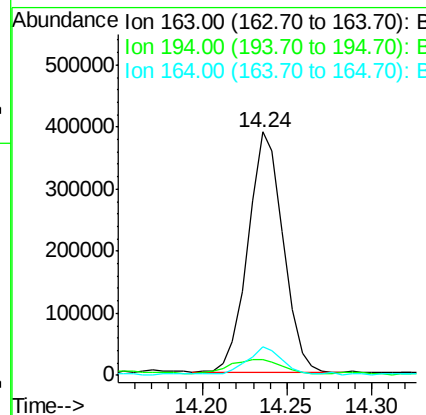
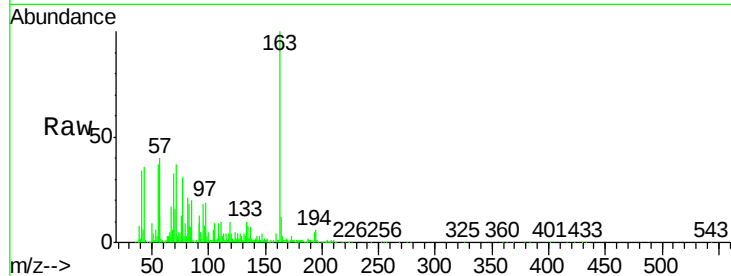




#49
Dimethylphthalate
Concen: 18.49 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

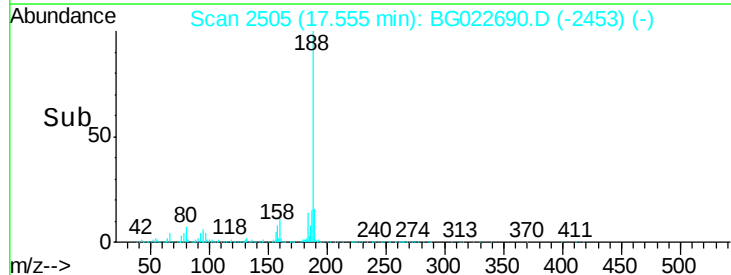
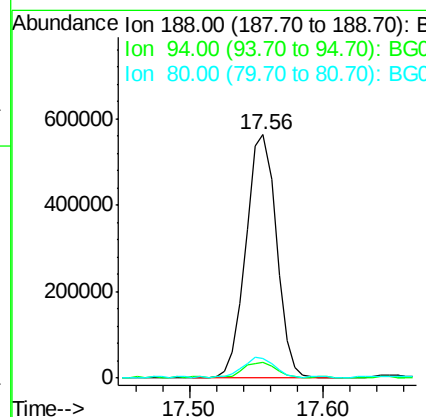
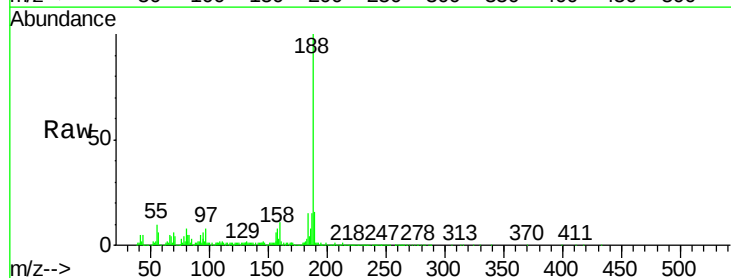
Instrument :
BNA_G
ClientSampleId :
B1-10-11

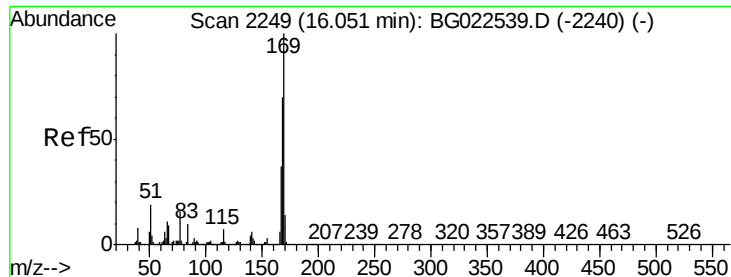
Tgt Ion:163 Resp: 561749
Ion Ratio Lower Upper
163 100
194 6.4 3.6 5.4#
164 11.9 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion:188 Resp: 887581
Ion Ratio Lower Upper
188 100
94 6.4 5.2 7.8
80 7.8 7.2 10.8

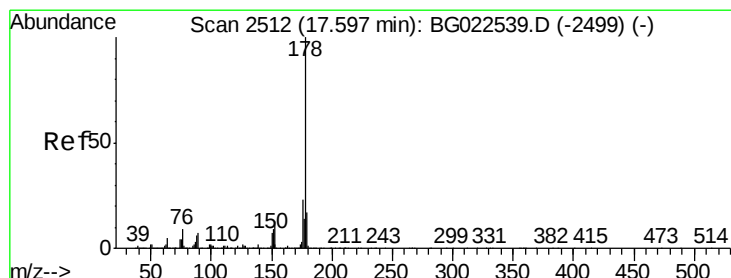
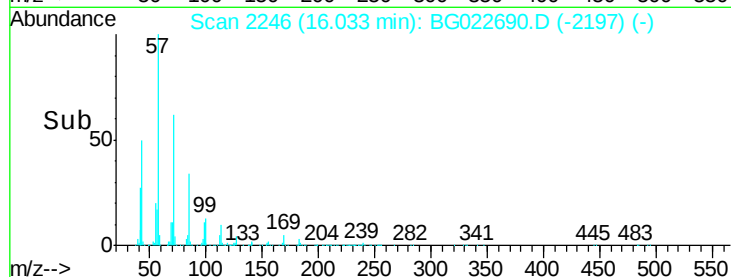
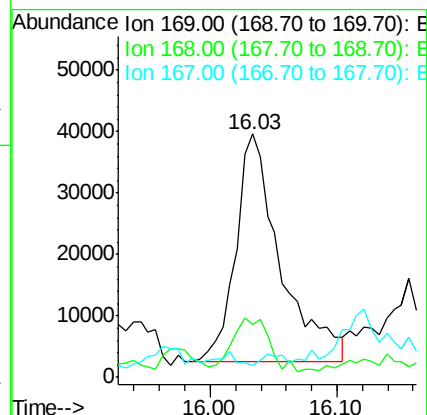
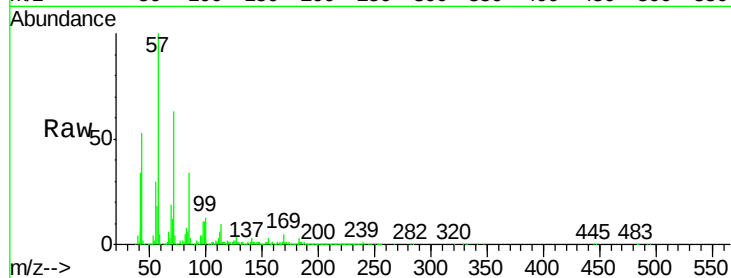




#65
n-Nitrosodiphenylamine
Concen: 3.49 ng
RT: 16.03 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

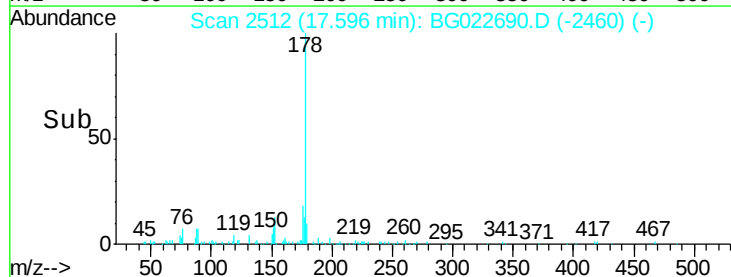
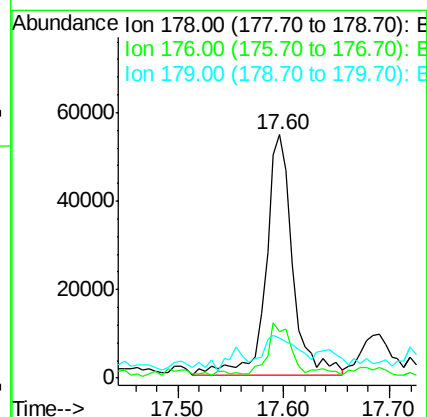
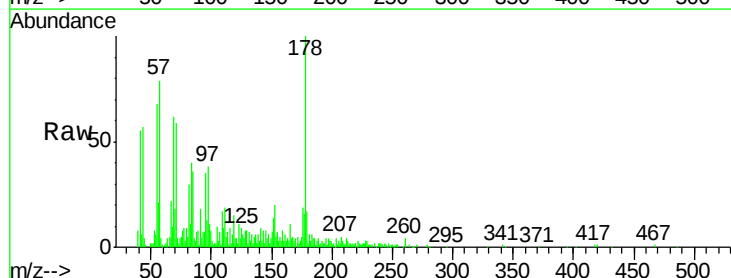
Instrument :
BNA_G
ClientSampleId :
B1-10-11

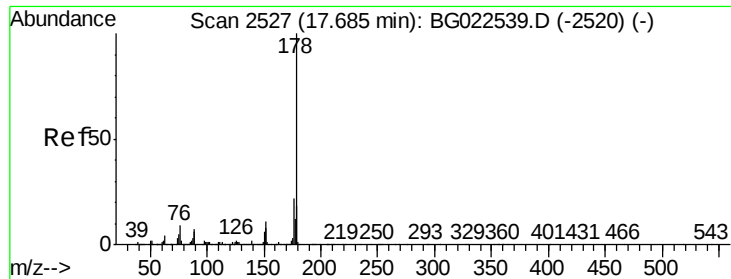
Tgt Ion:169 Resp: 90026
Ion Ratio Lower Upper
169 100
168 21.9 55.0 82.4#
167 4.9 27.4 41.0#



#70
Phenanthrene
Concen: 2.10 ng
RT: 17.60 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BG022690.D
Acq: 29 Jun 2016 00:26

Tgt Ion:178 Resp: 95145
Ion Ratio Lower Upper
178 100
176 19.2 16.8 25.2
179 16.7 14.3 21.5

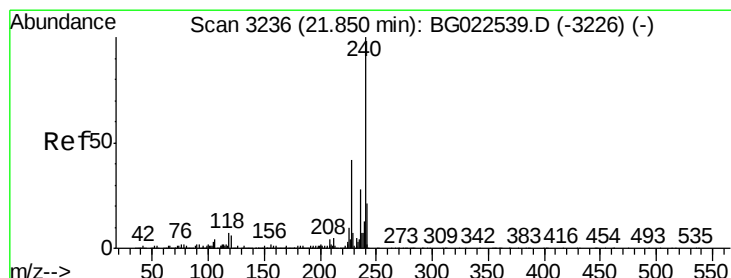
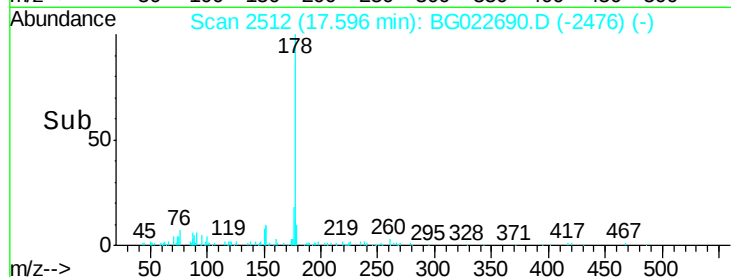
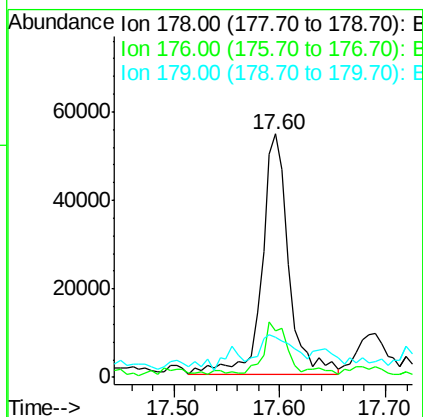
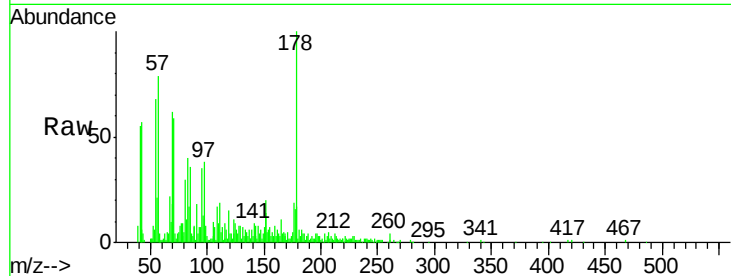




#71
 Anthracene
 Concen: 2.04 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.09 min
 Lab File: BG022690.D
 Acq: 29 Jun 2016 00:26

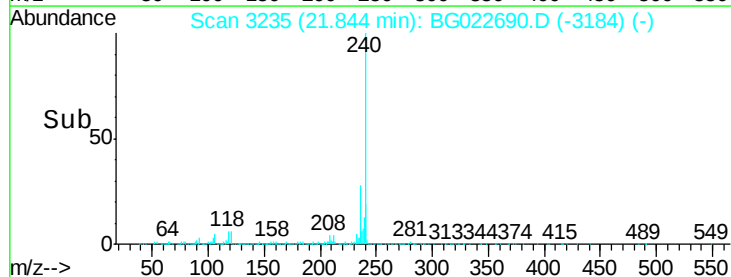
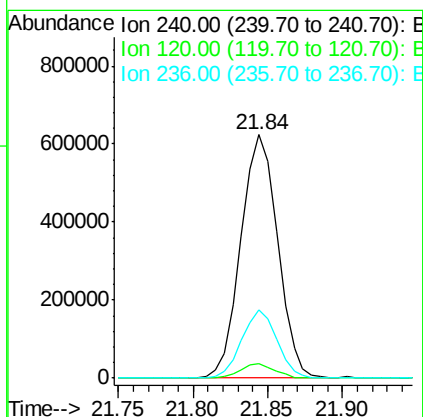
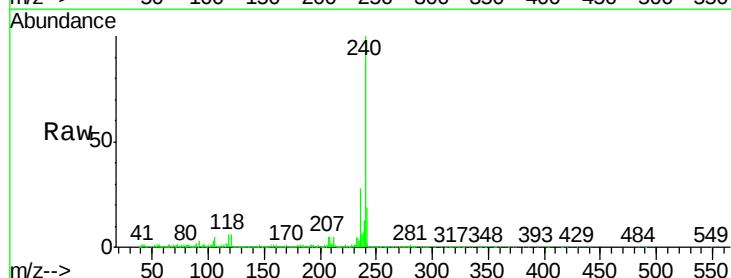
Instrument :
 BNA_G
 ClientSampleId :
 B1-10-11

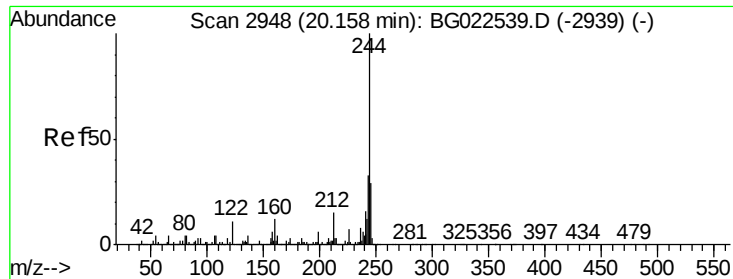
Tgt Ion:178 Resp: 95145
 Ion Ratio Lower Upper
 178 100
 176 19.2 17.3 25.9
 179 16.7 14.0 21.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.84 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: BG022690.D
 Acq: 29 Jun 2016 00:26

Tgt Ion:240 Resp: 1068142
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.1 6.1
 236 28.2 21.1 31.7





#78

Terphenyl-d14

Concen: 74.97 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

Instrument :

BNA_G

ClientSampleId :

B1-10-11

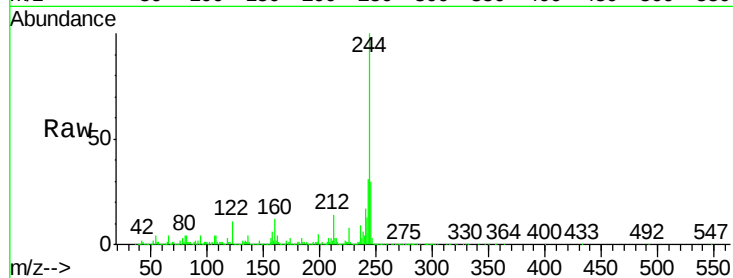
Tgt Ion:244 Resp: 3022569

Ion Ratio Lower Upper

244 100

212 13.6 10.8 16.2

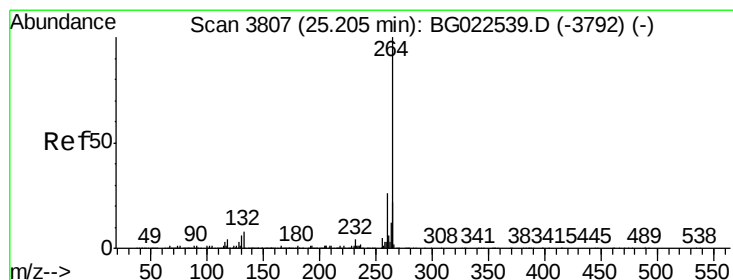
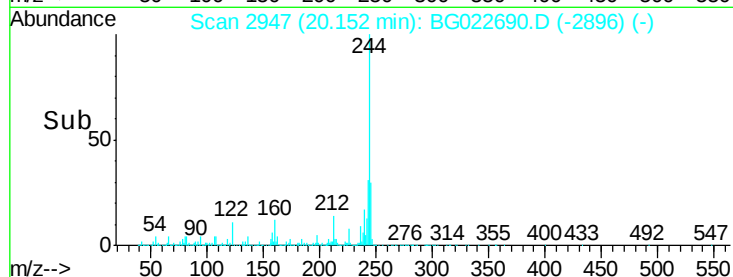
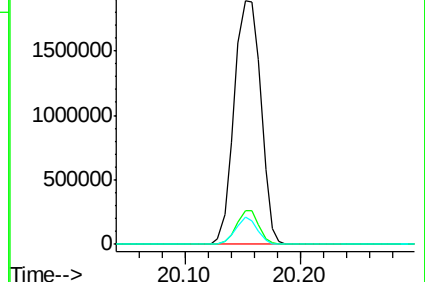
122 11.1 8.0 12.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.20 min Scan# 3807

Delta R.T. -0.00 min

Lab File: BG022690.D

Acq: 29 Jun 2016 00:26

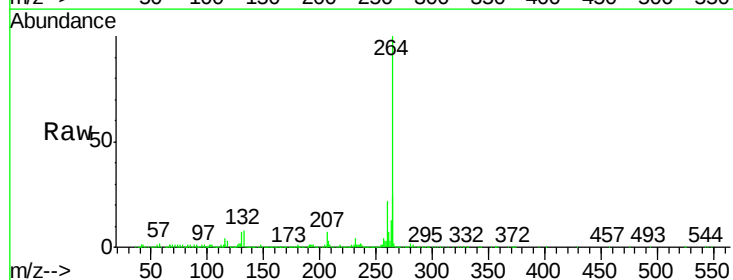
Tgt Ion:264 Resp: 1120798

Ion Ratio Lower Upper

264 100

260 21.6 18.4 27.6

265 24.0 18.9 28.3



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

