

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062816\
 Data File : BG022691.D
 Acq On : 29 Jun 2016 1:06
 Operator : UM/SJ
 Sample : H3768-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B2-10-11

Quant Time: Jun 29 04:01:11 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	121308	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	493164	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	349225	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	858103	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1035742	20.00	ng	0.00
86) Perylene-d12	25.20	264	1089395	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	814664	107.72	ng	0.00
7) Phenol-d6	7.30	99	1216216	114.09	ng	0.00
23) Nitrobenzene-d5	9.33	82	855768	73.44	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	602850	109.75	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1578523	71.68	ng	0.00
78) Terphenyl-d14	20.15	244	2444109	62.52	ng	0.00

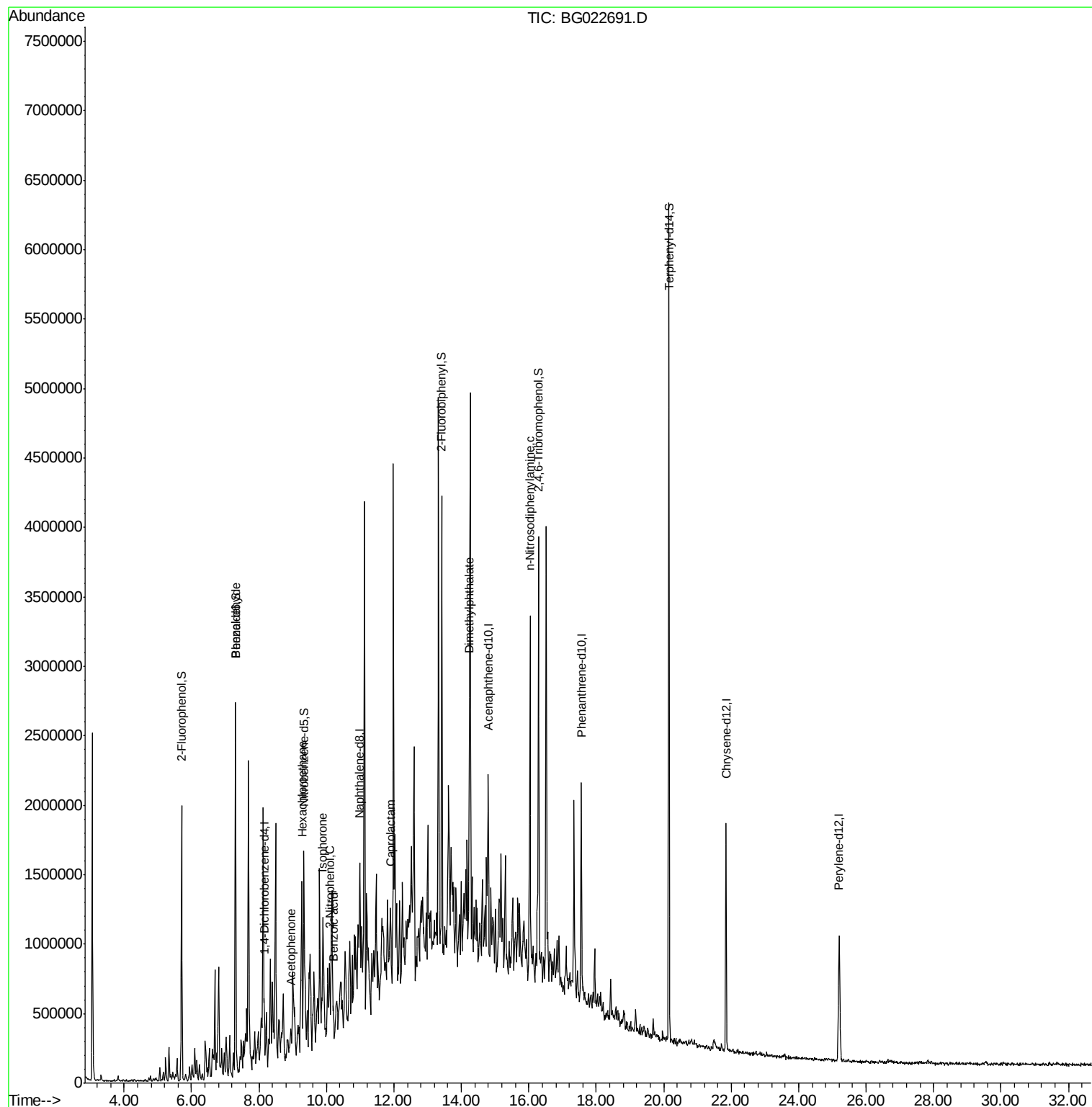
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	12853	3.43	ng	# 13
18) Hexachloroethane	9.28	117	9860	2.49	ng	# 17
22) Acetophenone	8.96	105	32236	2.26	ng	# 49
25) Isophorone	9.89	82	94774	4.19	ng	# 1
26) 2-Nitrophenol	10.11	139	12673	2.73	ng	# 51
32) Benzoic acid	10.19	122	15492	7.50	ng	# 81
35) Caprolactam	11.89	113	6395	2.35	ng	# 1
49) Dimethylphthalate	14.24	163	521453	18.00	ng	# 98
65) n-Nitrosodiphenylamine	16.03	169	69387	2.78	ng	# 54

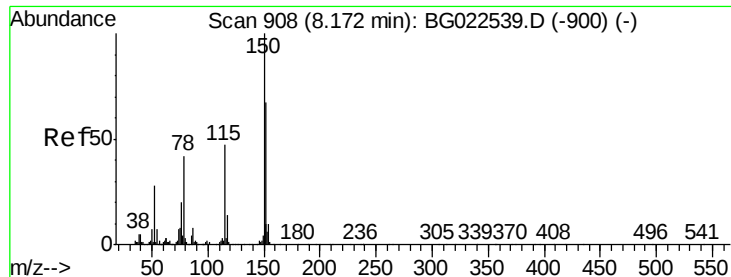
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampled :

B2-10-11

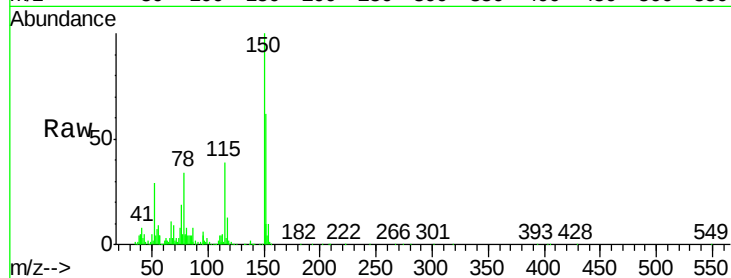
Tgt Ion:152 Resp: 121308

Ion Ratio Lower Upper

152 100

150 161.4 144.7 217.1

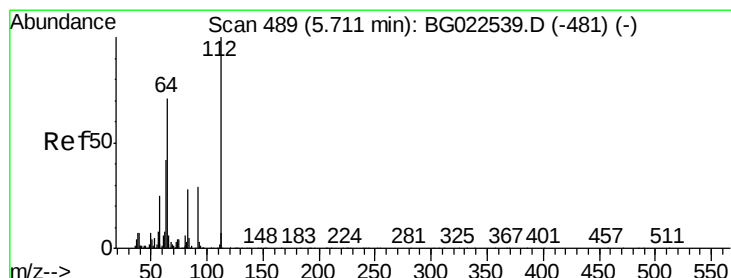
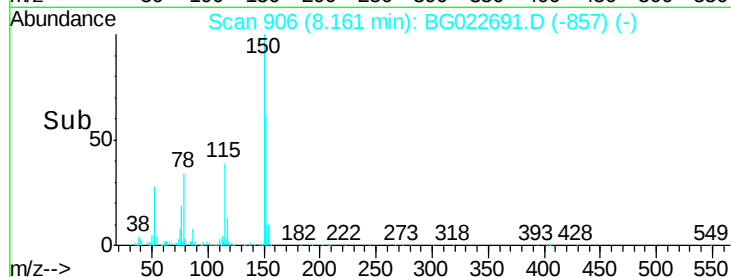
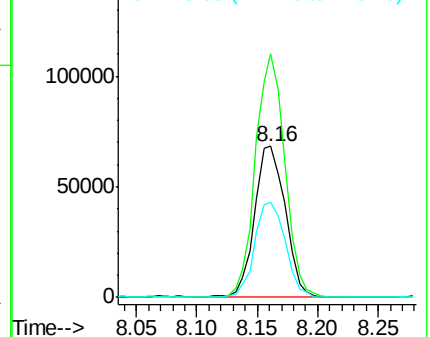
115 63.5 64.0 96.0#



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: 107.72 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

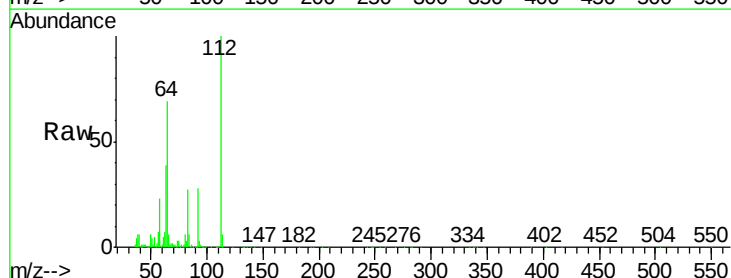
Tgt Ion:112 Resp: 814664

Ion Ratio Lower Upper

112 100

64 69.4 59.0 88.4

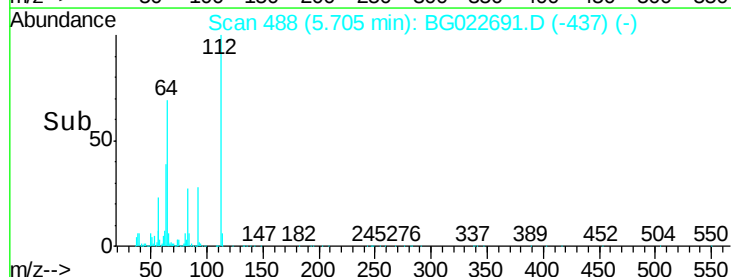
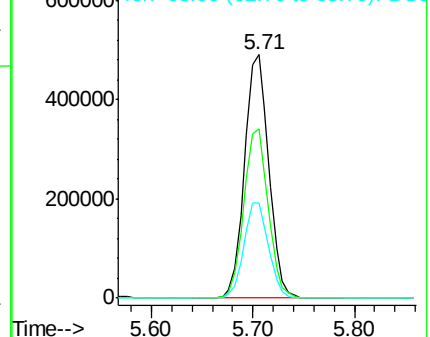
63 39.0 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.09 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampleId :

B2-10-11

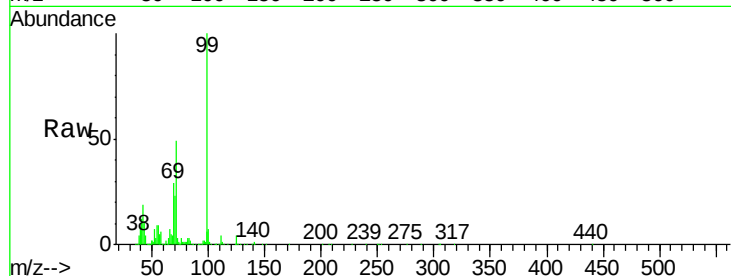
Tgt Ion: 99 Resp: 1216216

Ion Ratio Lower Upper

99 100

42 19.5 17.8 26.6

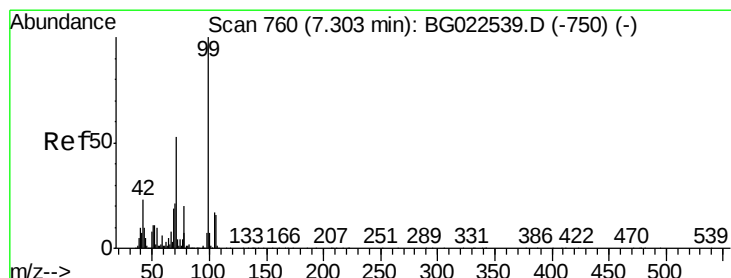
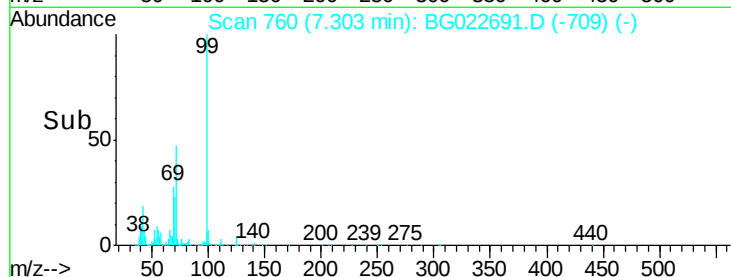
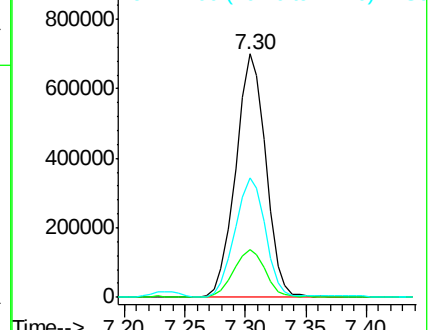
71 49.0 41.5 62.3



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: 3.43 ng

RT: 7.30 min Scan# 759

Delta R.T. 0.00 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

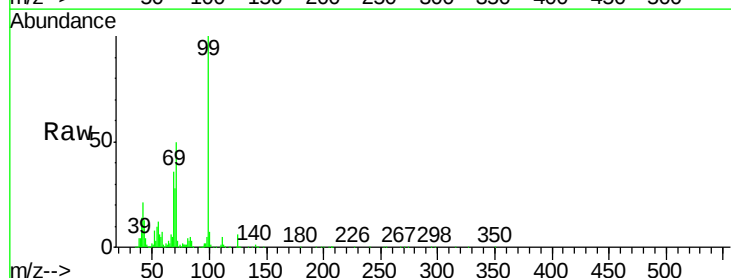
Tgt Ion: 77 Resp: 12853

Ion Ratio Lower Upper

77 100

105 10.1 58.7 98.7#

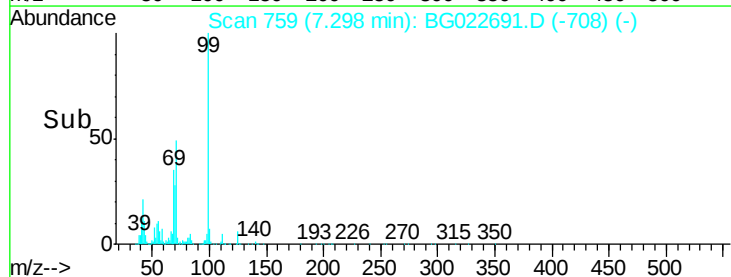
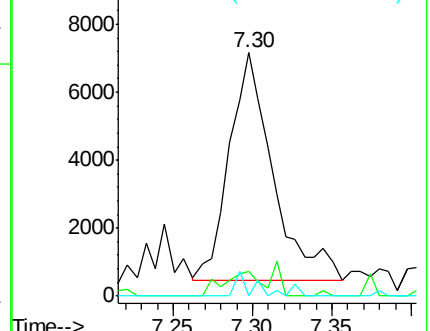
106 0.0 67.5 107.5#

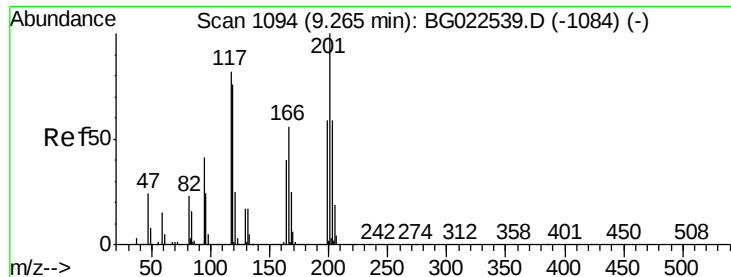


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#18

Hexachloroethane

Concen: 2.49 ng

RT: 9.28 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampleId :

B2-10-11

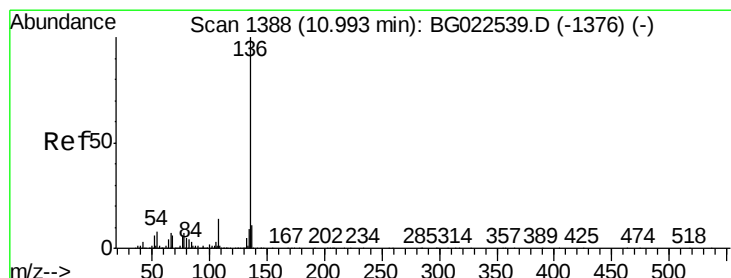
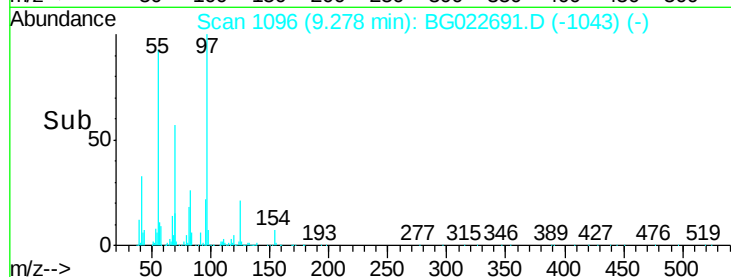
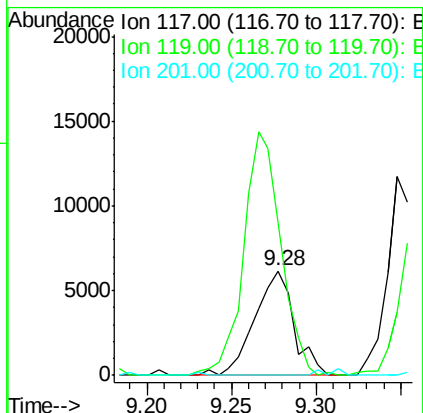
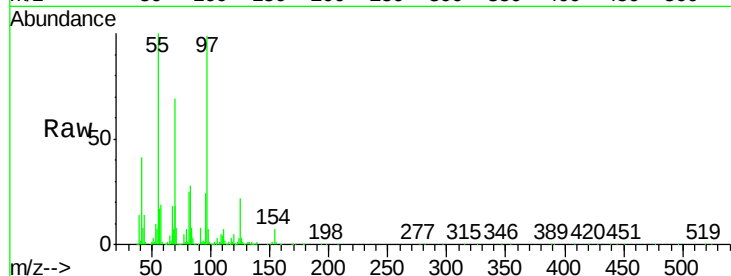
Tgt Ion:117 Resp: 9860

Ion Ratio Lower Upper

117 100

119 145.8 73.7 110.5#

201 0.0 88.7 133.1#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Tgt Ion:136 Resp: 493164

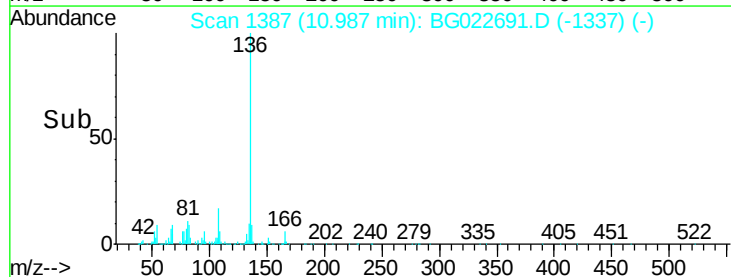
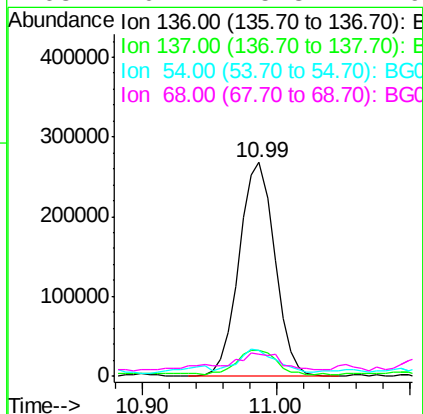
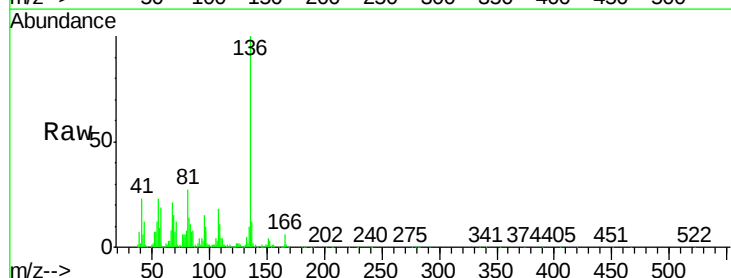
Ion Ratio Lower Upper

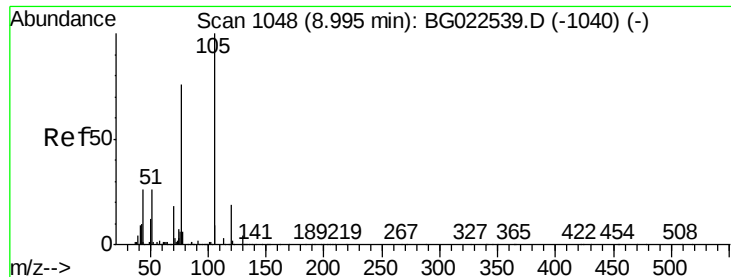
136 100

137 11.9 9.6 14.4

54 12.1 7.3 10.9#

68 10.2 5.3 7.9#





#22

Acetophenone

Concen: 2.26 ng

RT: 8.96 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampleId :

B2-10-11

Tgt Ion: 105 Resp: 32236

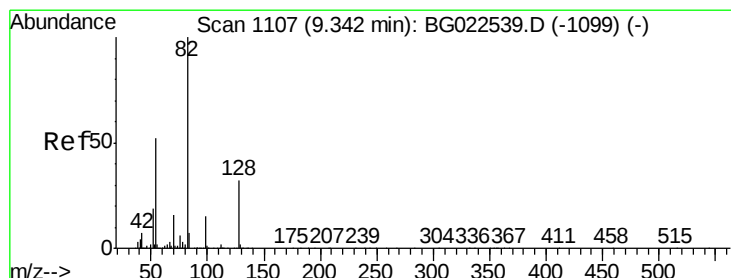
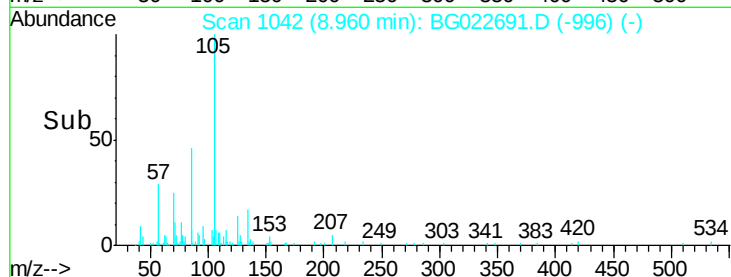
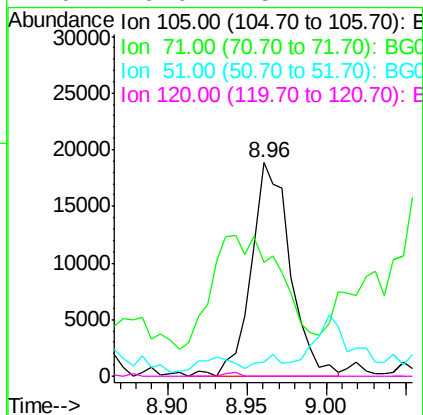
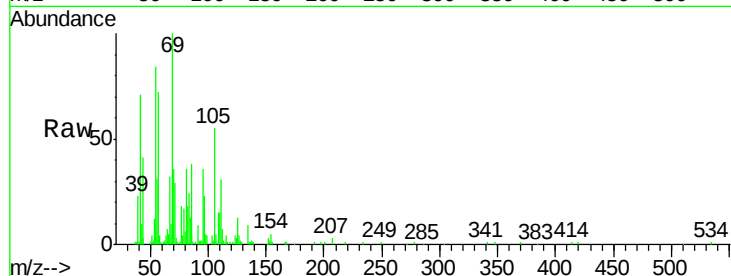
Ion Ratio Lower Upper

105 100

71 53.3 2.6 3.8#

51 6.9 27.1 40.7#

120 0.0 15.1 22.7#



#23

Nitrobenzene-d5

Concen: 73.44 ng

RT: 9.33 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

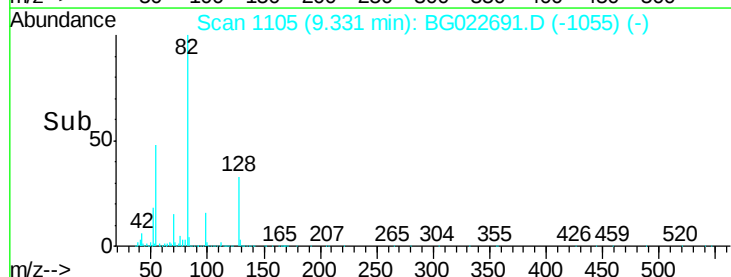
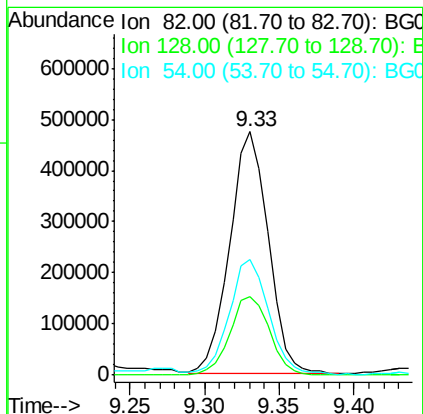
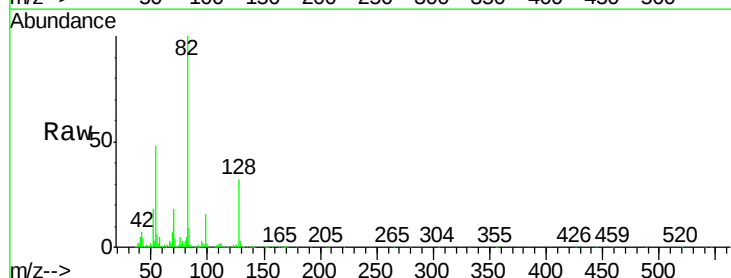
Tgt Ion: 82 Resp: 855768

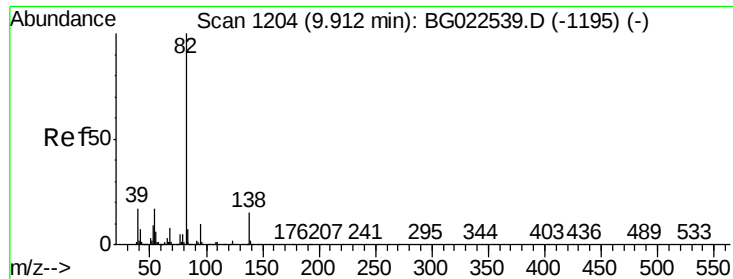
Ion Ratio Lower Upper

82 100

128 32.3 24.4 36.6

54 47.5 41.4 62.0





#25

Isophorone

Concen: 4.19 ng

RT: 9.89 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampleId :

B2-10-11

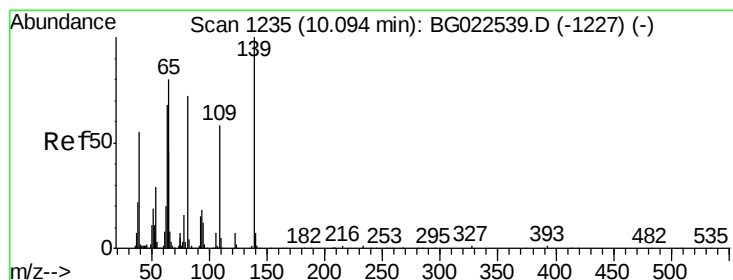
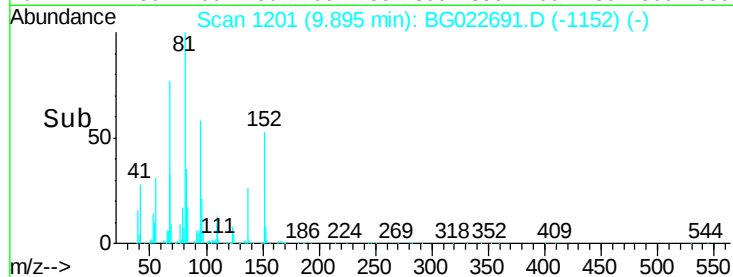
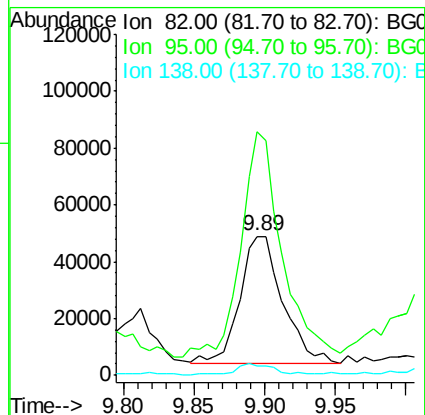
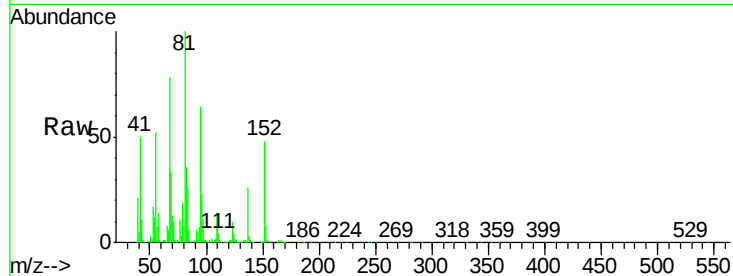
Tgt Ion: 82 Resp: 94774

Ion Ratio Lower Upper

82 100

95 175.2 8.2 12.2#

138 7.1 10.7 16.1#



#26

2-Nitrophenol

Concen: 2.73 ng

RT: 10.11 min Scan# 1237

Delta R.T. 0.02 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

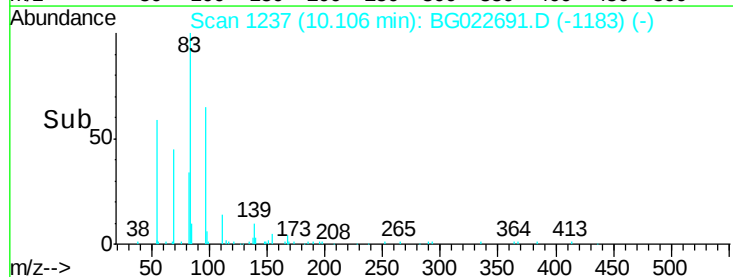
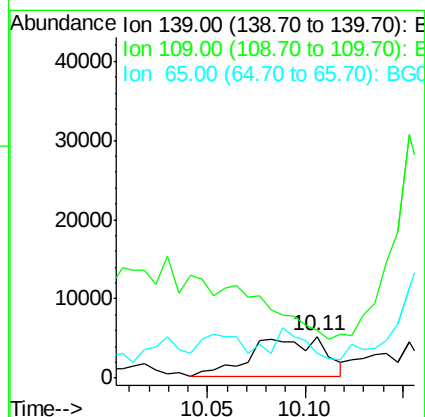
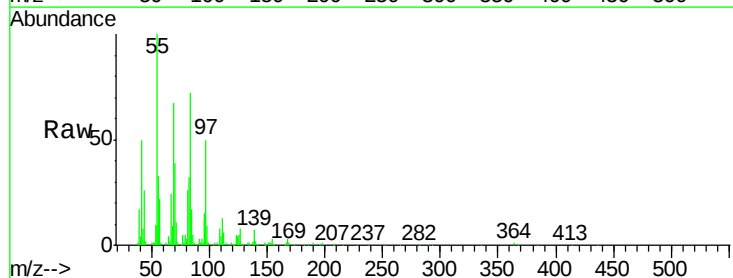
Tgt Ion: 139 Resp: 12673

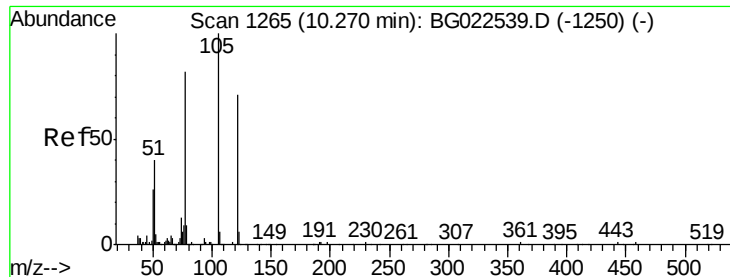
Ion Ratio Lower Upper

139 100

109 114.5 43.5 65.3#

65 58.2 64.3 96.5#





#32

Benzoic acid

Concen: 7.50 ng

RT: 10.19 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

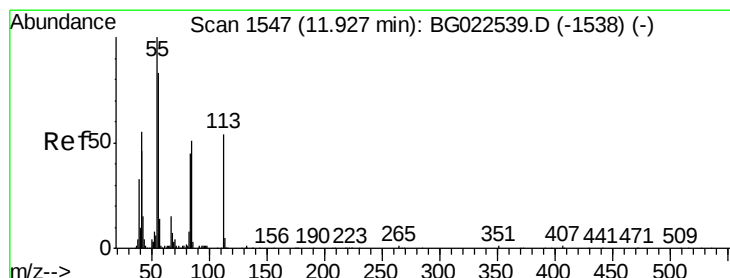
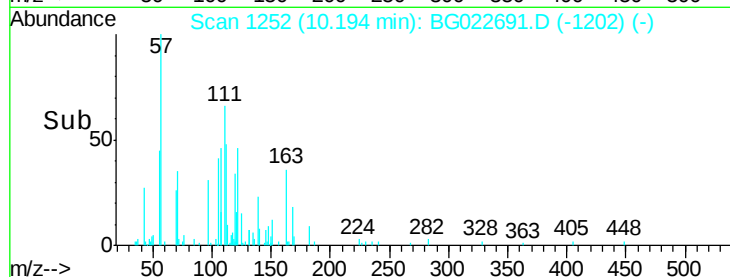
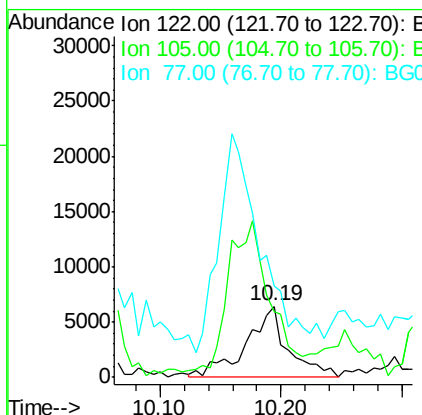
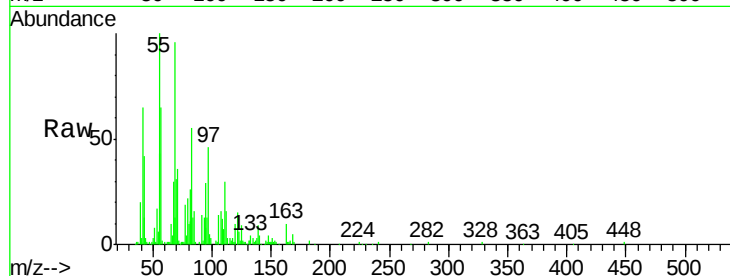
Instrument :

BNA_G

ClientSampleId :

B2-10-11

Tgt Ion	Ratio	Lower	Upper
122	100		
105	92.4	117.2	157.2#
77	129.0	109.2	149.2



#35

Caprolactam

Concen: 2.35 ng

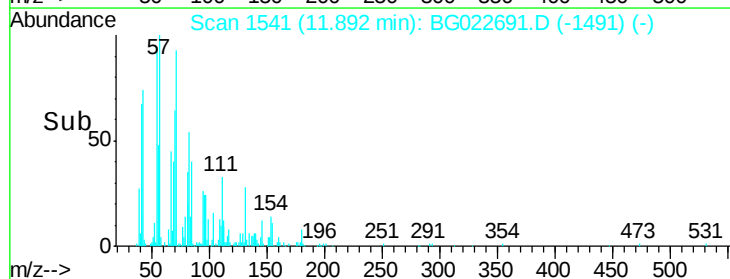
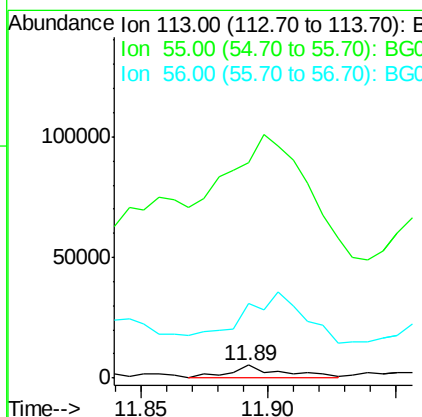
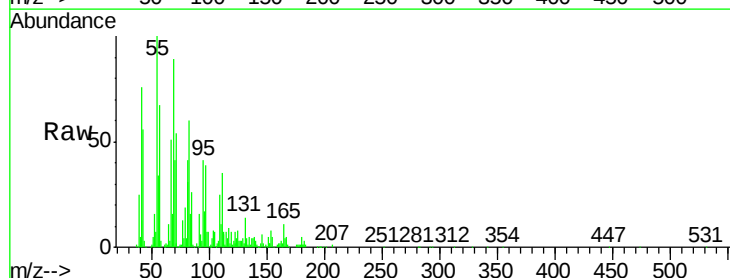
RT: 11.89 min Scan# 1541

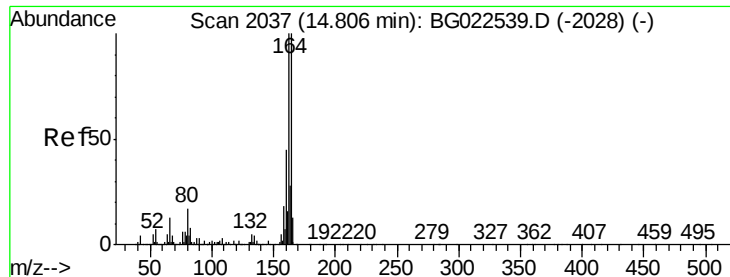
Delta R.T. -0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

Tgt Ion	Ratio	Lower	Upper
113	100		
55	1692.9	154.5	194.5#
56	583.6	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: BG022691.D

Acq: 29 Jun 2016 1:06

Instrument :

BNA_G

ClientSampleId :

B2-10-11

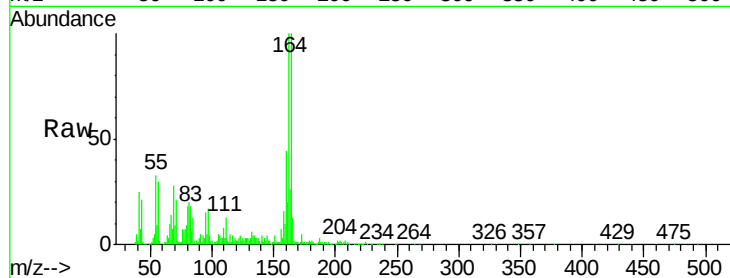
Tgt Ion:164 Resp: 349225

Ion Ratio Lower Upper

164 100

162 100.0 87.7 131.5

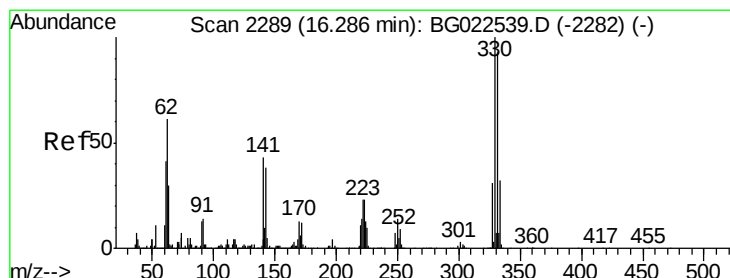
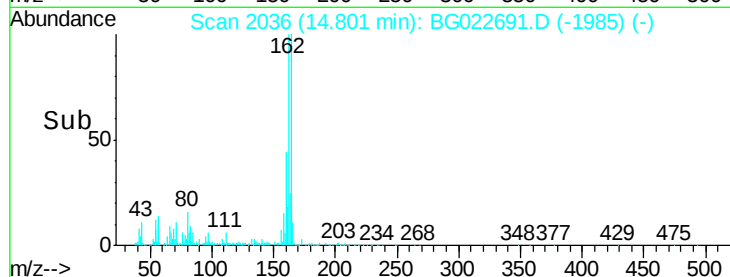
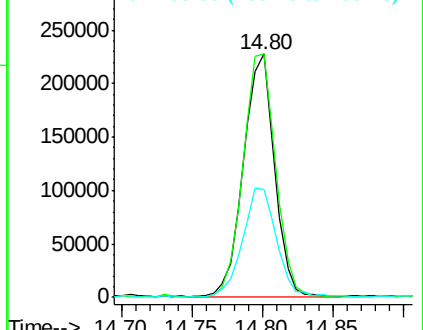
160 44.2 37.2 55.8



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: 109.75 ng

RT: 16.29 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BG022691.D

Acq: 29 Jun 2016 1:06

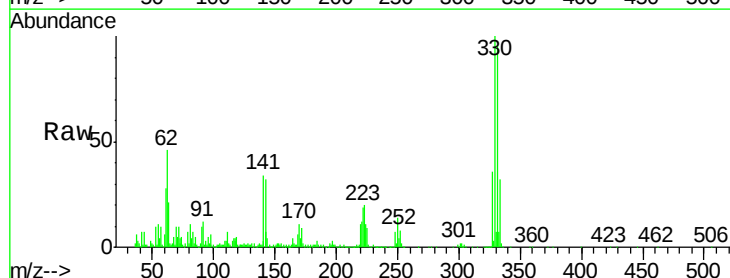
Tgt Ion:330 Resp: 602850

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

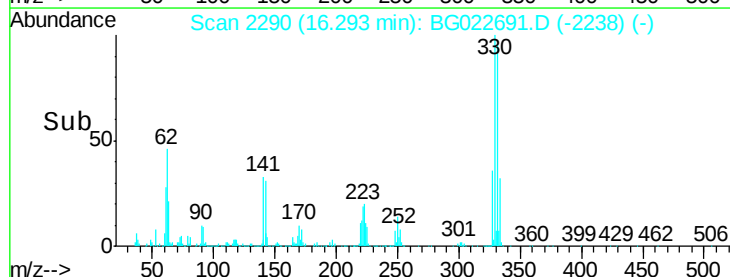
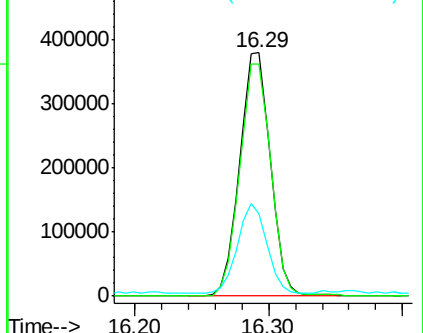
141 35.0 31.7 47.5

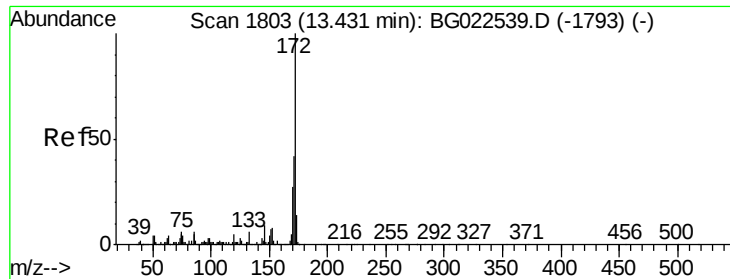


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

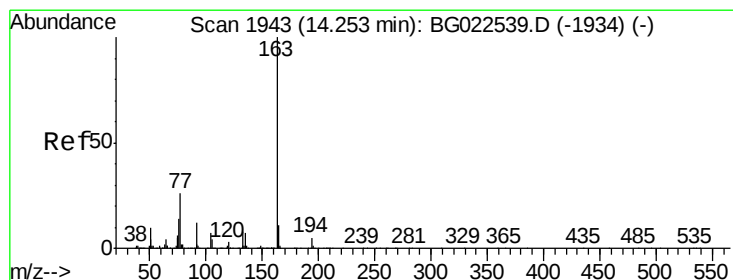
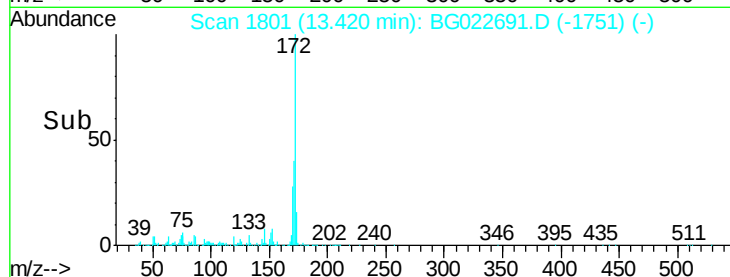
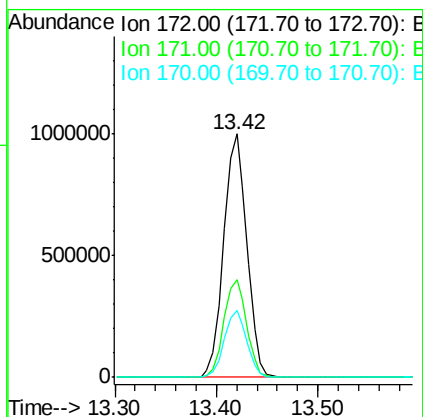
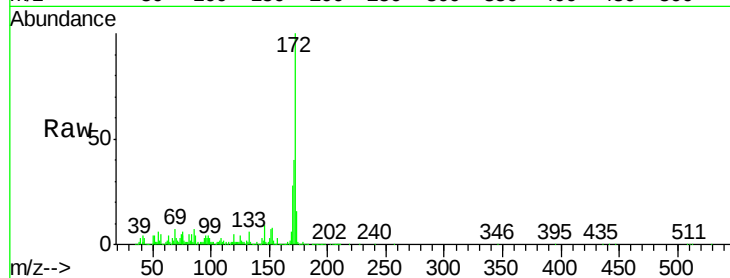




#44
2-Fluorobiphenyl
Concen: 71.68 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

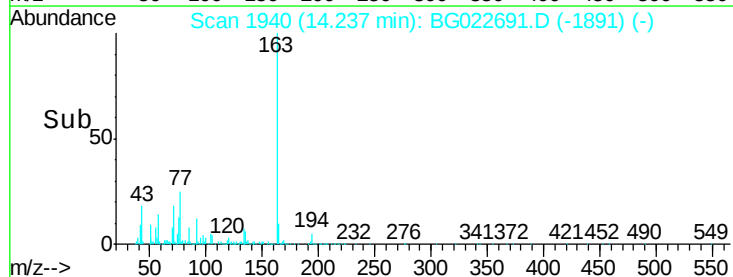
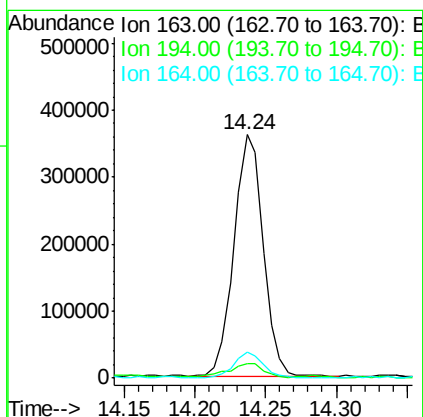
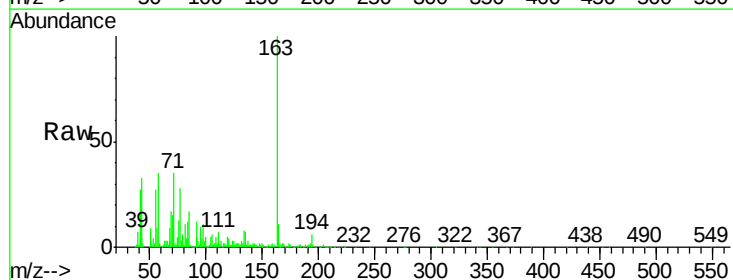
Instrument :
BNA_G
ClientSampleId :
B2-10-11

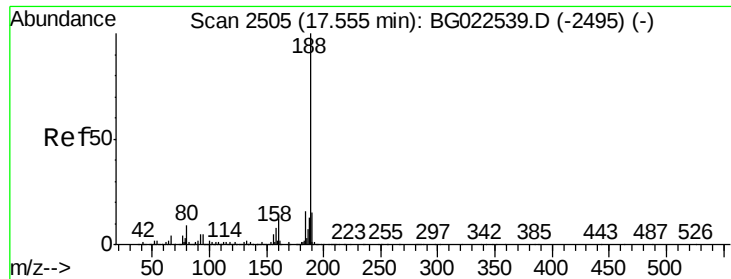
Tgt Ion:172 Resp: 1578523
Ion Ratio Lower Upper
172 100
171 40.1 31.6 47.4
170 27.7 21.3 31.9



#49
Dimethylphthalate
Concen: 18.00 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

Tgt Ion:163 Resp: 521453
Ion Ratio Lower Upper
163 100
194 6.1 3.6 5.4#
164 10.5 8.1 12.1

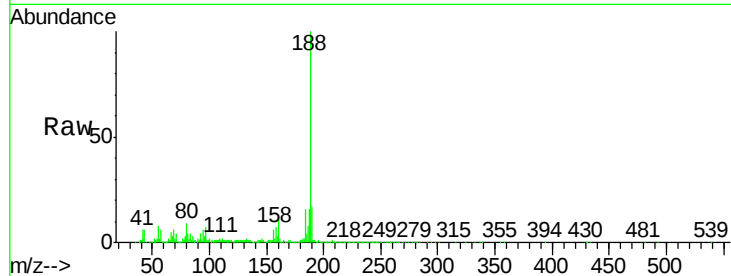




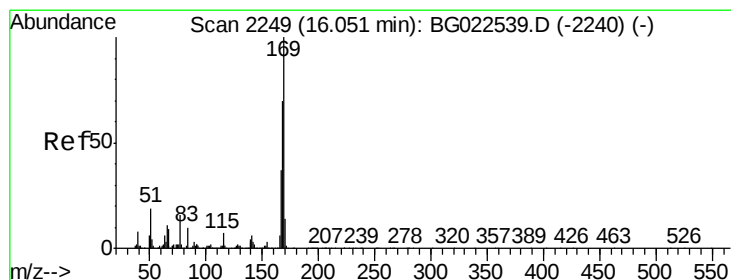
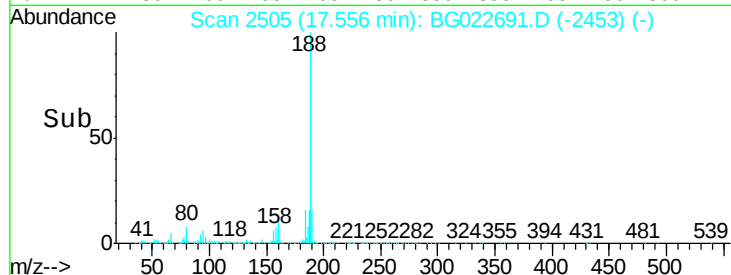
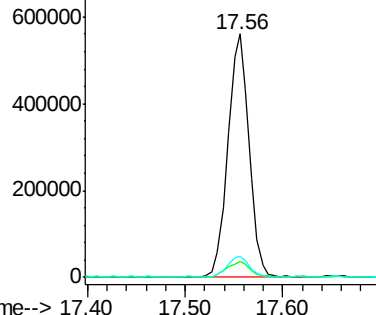
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

Instrument :
BNA_G
ClientSampleId :
B2-10-11

Tgt Ion:188 Resp: 858103
Ion Ratio Lower Upper
188 100
94 6.5 5.2 7.8
80 8.8 7.2 10.8

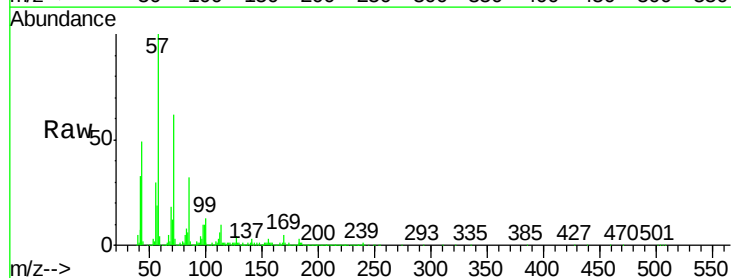


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

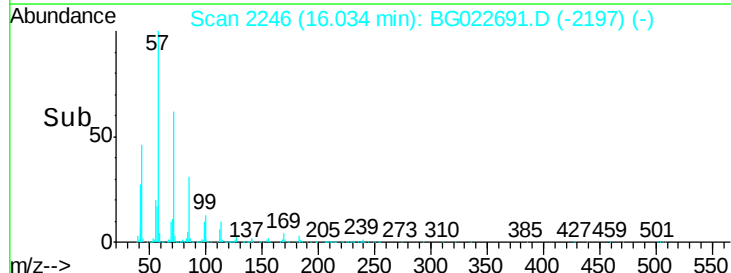
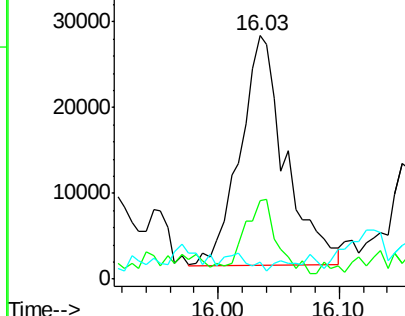


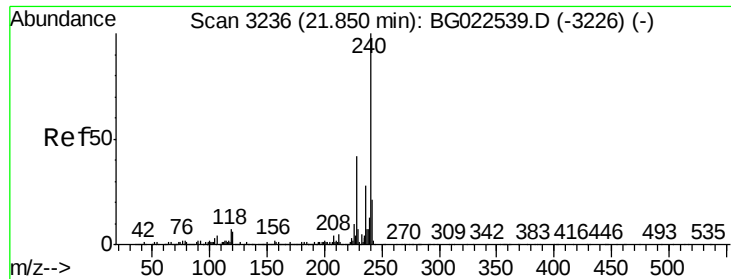
#65
n-Nitrosodiphenylamine
Concen: 2.78 ng
RT: 16.03 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

Tgt Ion:169 Resp: 69387
Ion Ratio Lower Upper
169 100
168 32.1 55.0 82.4#
167 7.1 27.4 41.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

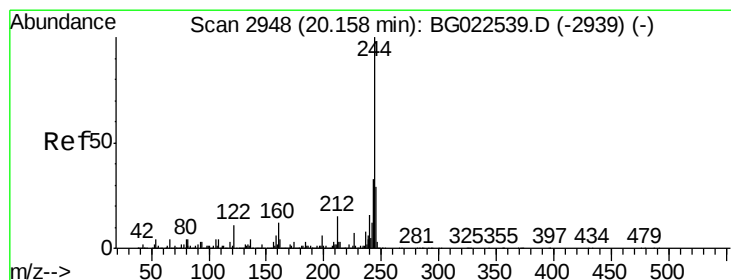
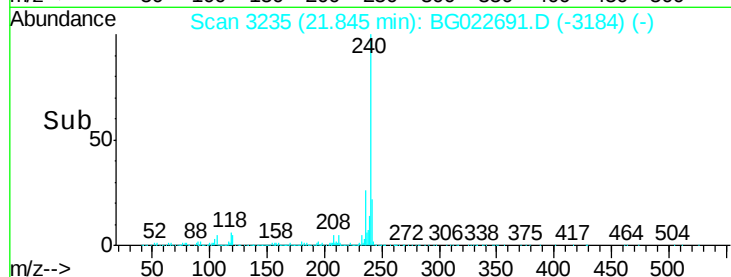
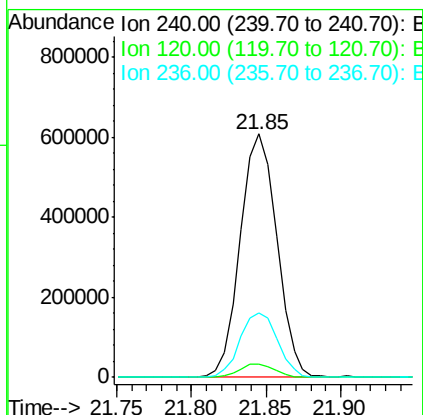
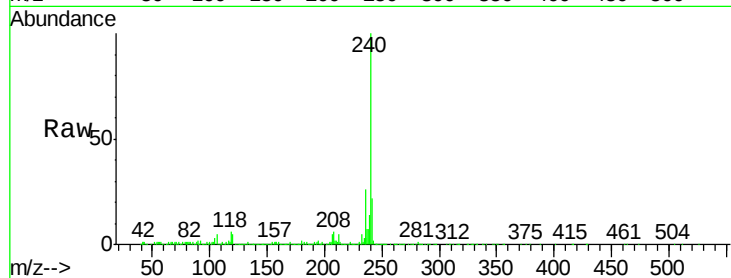




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

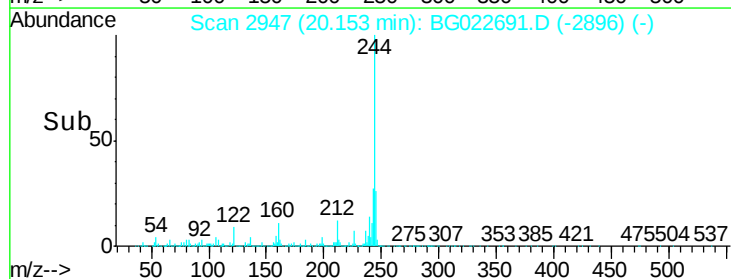
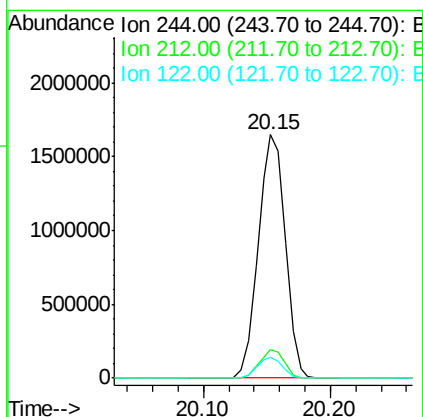
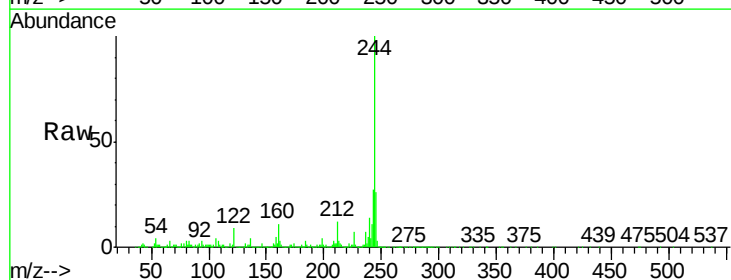
Instrument :
BNA_G
ClientSampleId :
B2-10-11

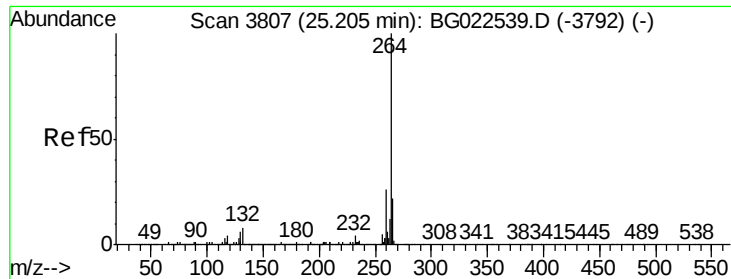
Tgt Ion:240 Resp: 1035742
Ion Ratio Lower Upper
240 100
120 5.4 4.1 6.1
236 26.4 21.1 31.7



#78
Terphenyl-d14
Concen: 62.52 ng
RT: 20.15 min Scan# 2947
Delta R.T. 0.00 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

Tgt Ion:244 Resp: 2444109
Ion Ratio Lower Upper
244 100
212 11.5 10.8 16.2
122 8.8 8.0 12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.20 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BG022691.D
Acq: 29 Jun 2016 1:06

Instrument :
BNA_G
ClientSampleId :
B2-10-11

Tgt Ion: 264 Resp: 1089395

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	20.5	18.9	28.3

