

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061515\
 Data File : BG017690.D
 Acq On : 15 Jun 2015 15:11
 Operator : TP/IZ
 Sample : G2522-20DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-16DL

Quant Time: Jun 16 01:46:14 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 13 02:22:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	19014	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	71266	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	50600	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	144090	20.00	ng	0.00
75) Chrysene-d12	21.16	240	204625	20.00	ng	0.00
86) Perylene-d12	23.35	264	202063	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	7406	7.54	ng	0.00
7) Phenol-d6	6.74	99	6458	4.49	ng	0.00
23) Nitrobenzene-d5	8.69	82	18311	10.79	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	15317	17.54	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	46792	12.79	ng	0.00
78) Terphenyl-d14	19.60	244	113917	11.61	ng	0.00

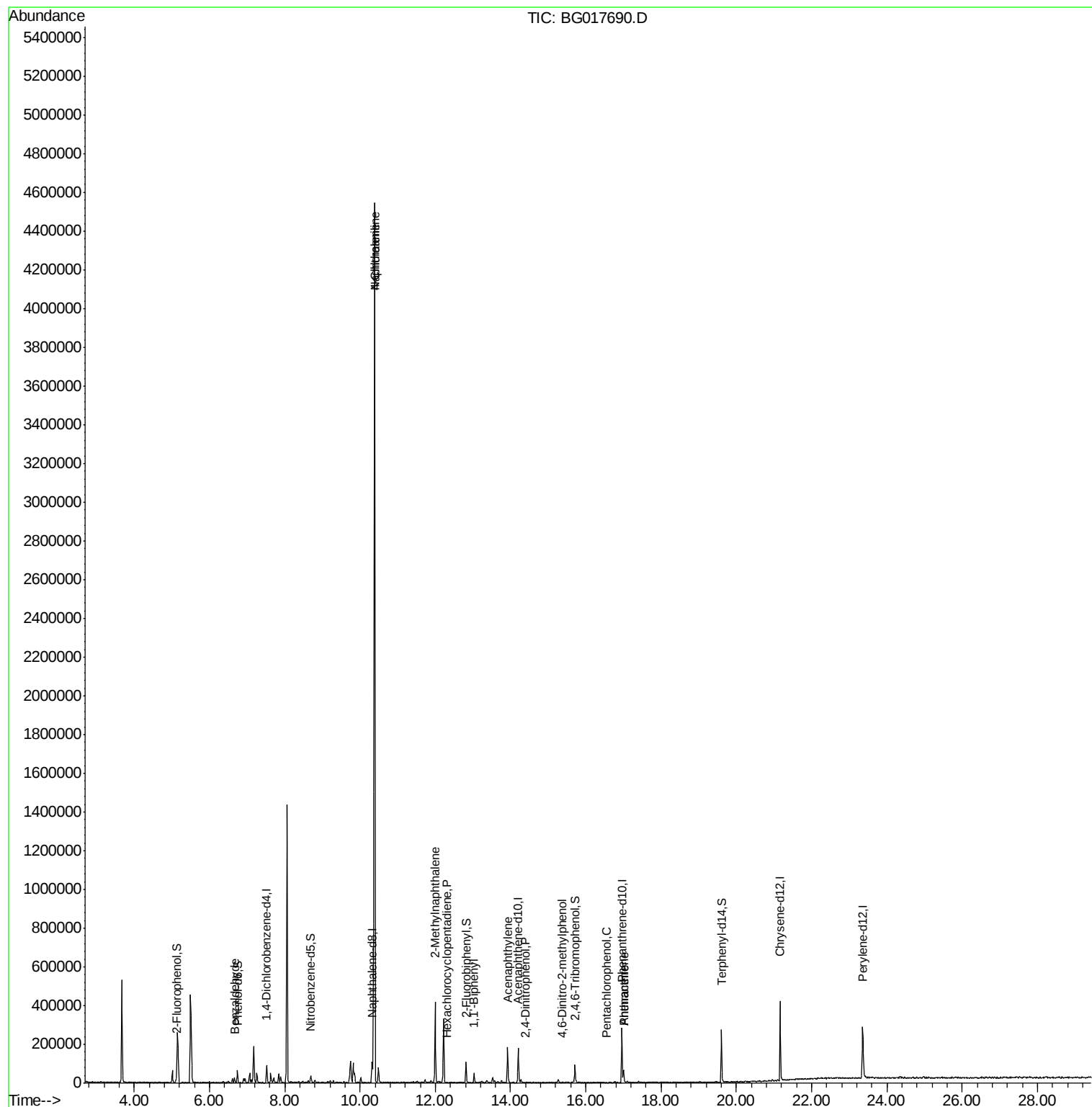
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	2127	2.19	ng	# 1
31) Naphthalene	10.39	128	2778835	722.38	ng	# 84
33) 4-Chloroaniline	10.39	127	452752	287.51	ng	# 35
37) 2-Methylnaphthalene	12.00	142	153498	49.92	ng	# 91
40) Hexachlorocyclopentadiene	12.33	237	55	5.05	ng	# 25
45) 1,1'-Biphenyl	13.03	154	22623	6.10	ng	# 95
48) Acenaphthylene	13.92	152	104272	19.93	ng	# 94
53) 2,4-Dinitrophenol	14.41	184	54	5.95	ng	# 13
64) 4,6-Dinitro-2-methylphenol	15.37	198	64	5.30	ng	# 39
69) Pentachlorophenol	16.56	266	73	6.25	ng	# 17
70) Phenanthrene	17.00	178	37445	4.66	ng	# 98
71) Anthracene	17.00	178	37445	4.69	ng	# 96

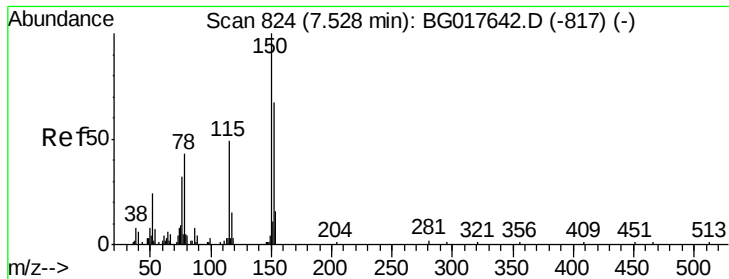
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061215.M
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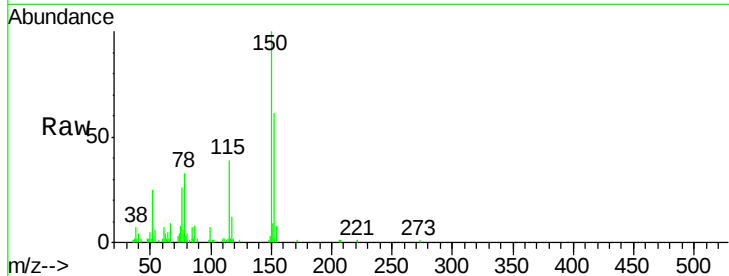


#1

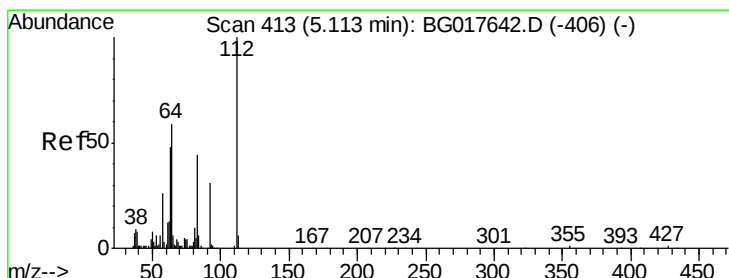
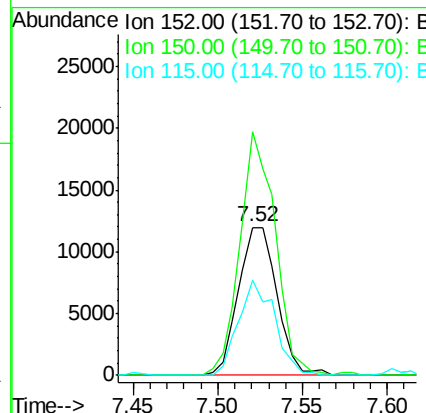
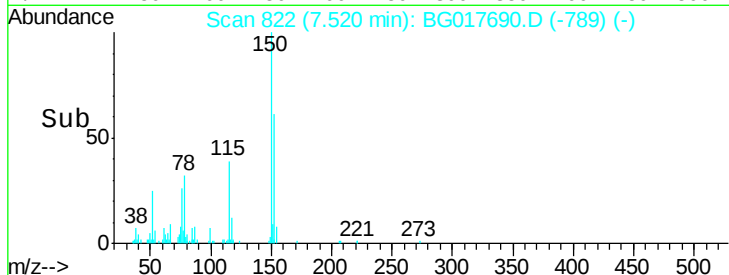
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Instrument :
BNA_G
ClientSampled :
MW-16DL

Tgt Ion:152 Resp: 19014
Ion Ratio Lower Upper
152 100
150 158.5 119.4 179.0
115 61.8 58.2 87.2



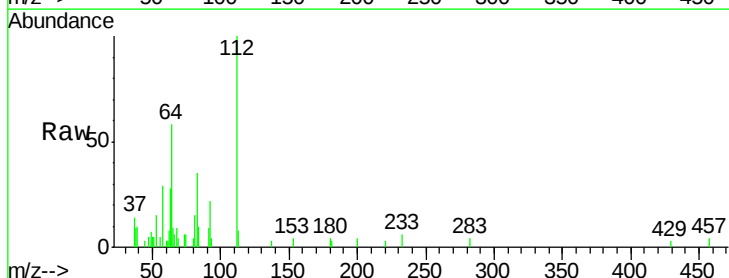
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



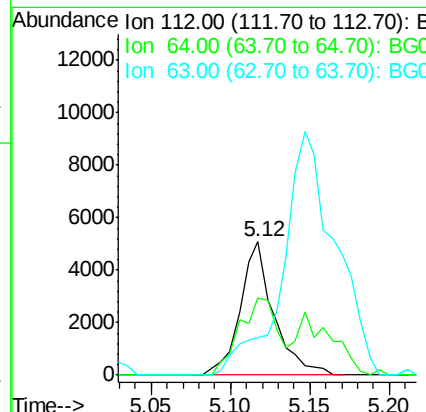
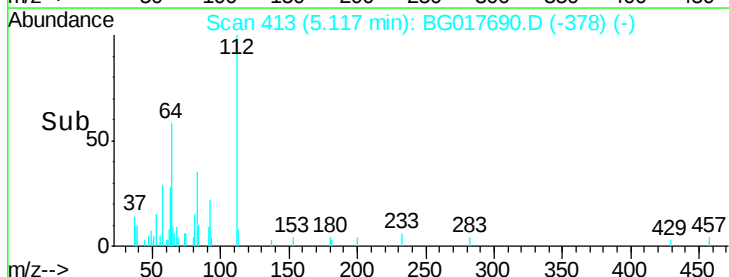
#5

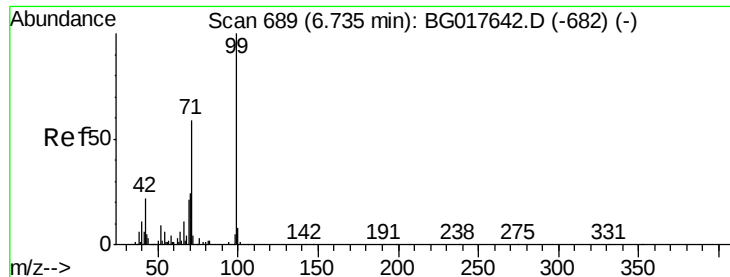
2-Fluorophenol
Concen: 7.54 ng
RT: 5.12 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion:112 Resp: 7406
Ion Ratio Lower Upper
112 100
64 58.4 47.0 70.6
63 28.0 38.6 58.0#



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: 4.49 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

Instrument :

BNA_G

ClientSampled :

MW-16DL

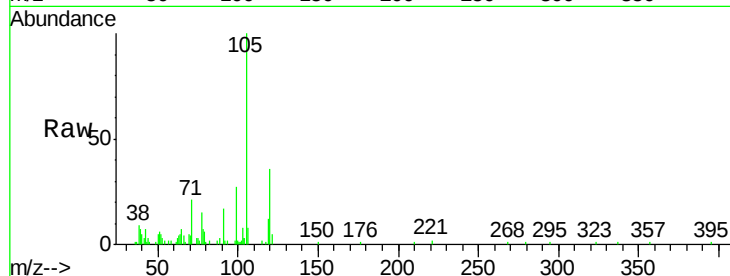
Tgt Ion: 99 Resp: 6458

Ion Ratio Lower Upper

99 100

42 25.7 17.4 26.2

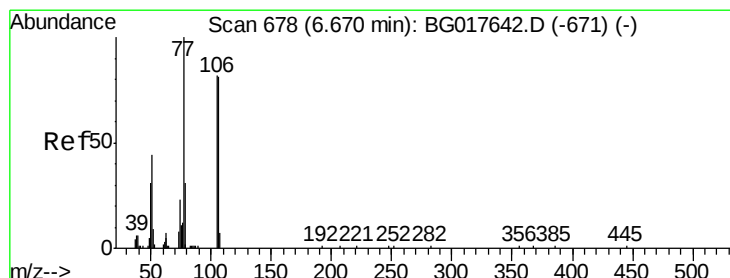
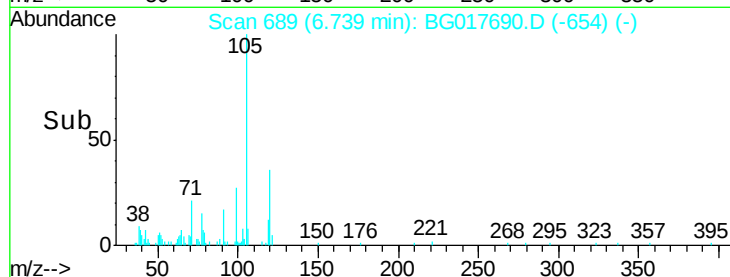
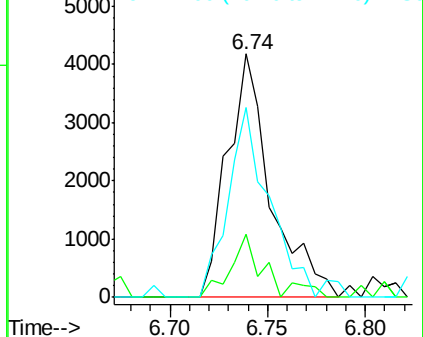
71 78.0 47.4 71.0#



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: 2.19 ng

RT: 6.67 min Scan# 678

Delta R.T. 0.00 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

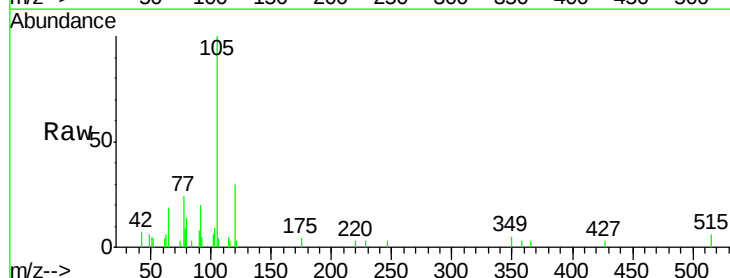
Tgt Ion: 77 Resp: 2127

Ion Ratio Lower Upper

77 100

105 418.0 62.3 102.3#

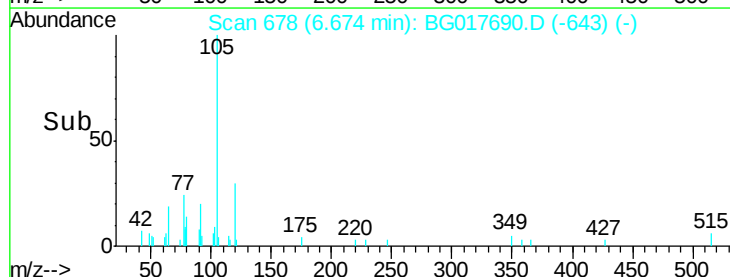
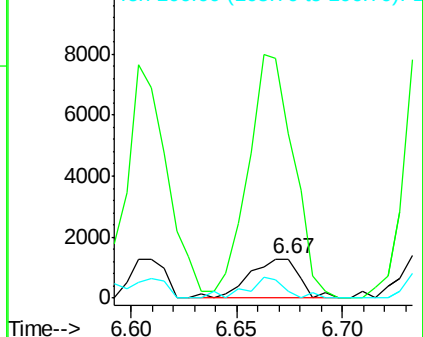
106 17.0 60.7 100.7#

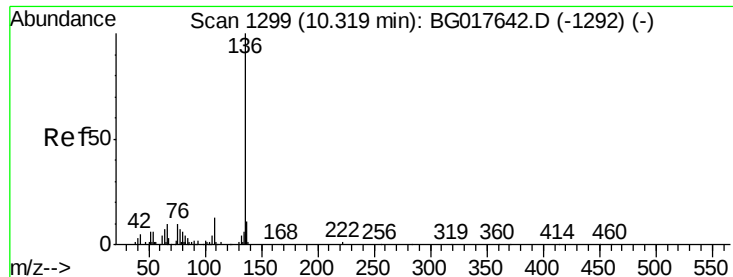


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

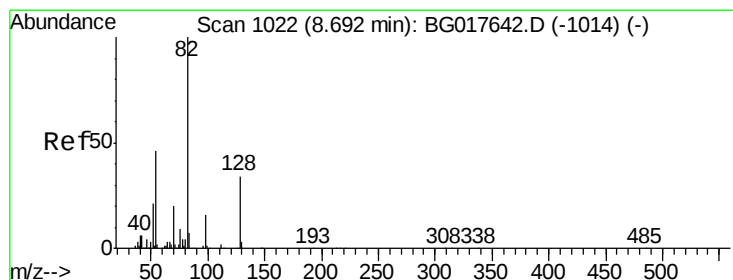
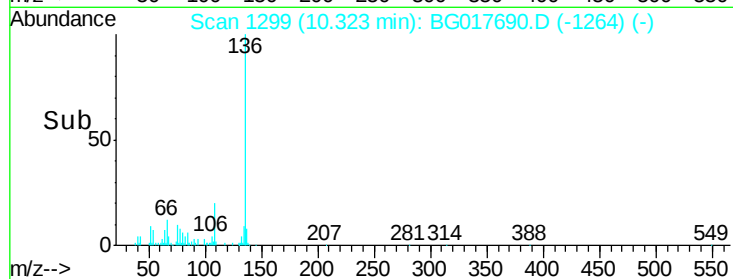
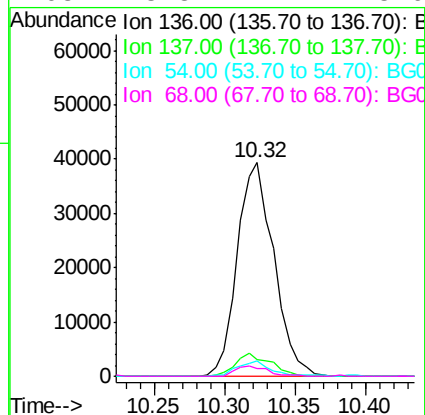
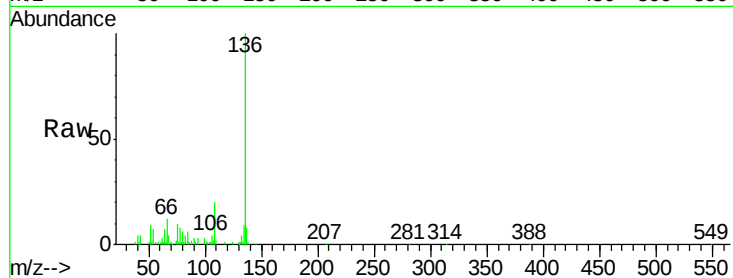




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.32 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

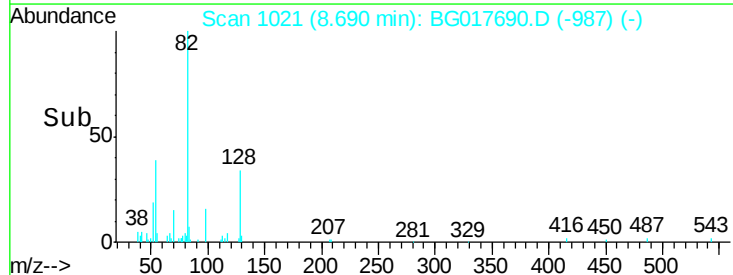
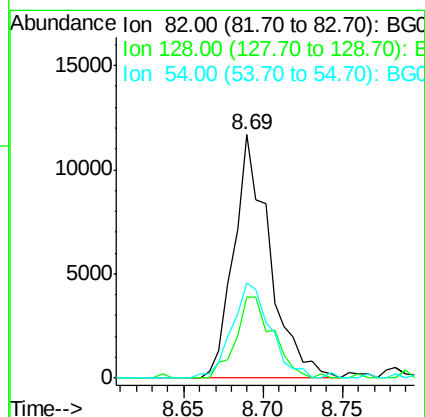
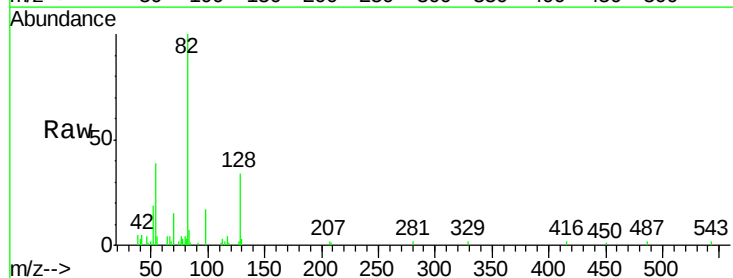
Instrument :
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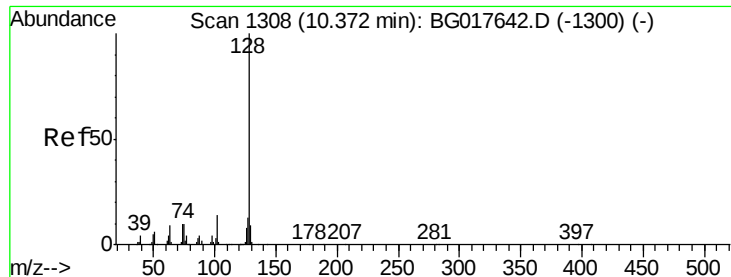
Tgt Ion:136 Resp: 71266
Ion Ratio Lower Upper
136 100
137 7.9 8.7 13.1#
54 6.9 4.7 7.1
68 3.8 2.4 3.6#



#23
Nitrobenzene-d5
Concen: 10.79 ng
RT: 8.69 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion: 82 Resp: 18311
Ion Ratio Lower Upper
82 100
128 33.5 27.3 40.9
54 39.2 37.0 55.4

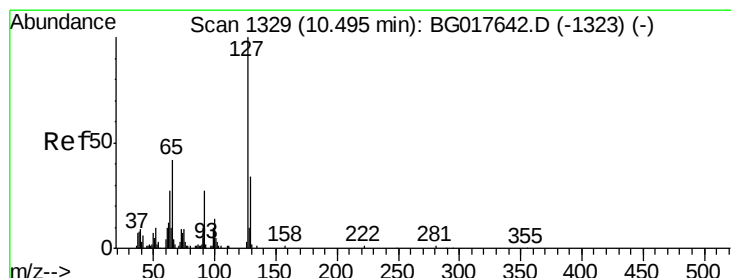
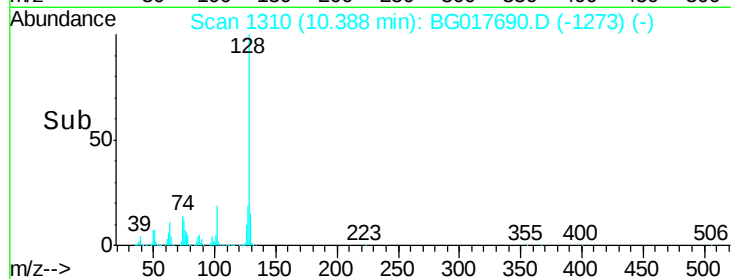
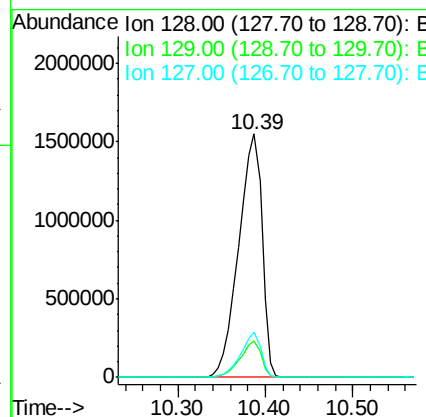
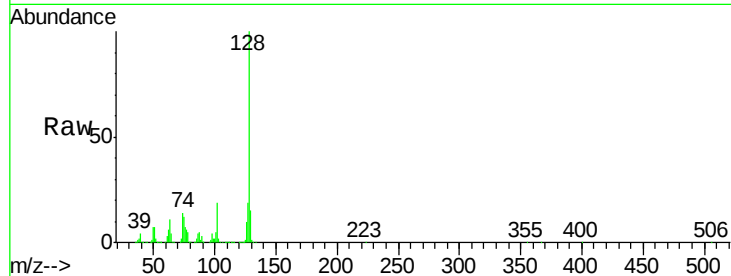




#31
Naphthalene
Concen: 722.38 ng
RT: 10.39 min Scan# 1310
Delta R.T. 0.02 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

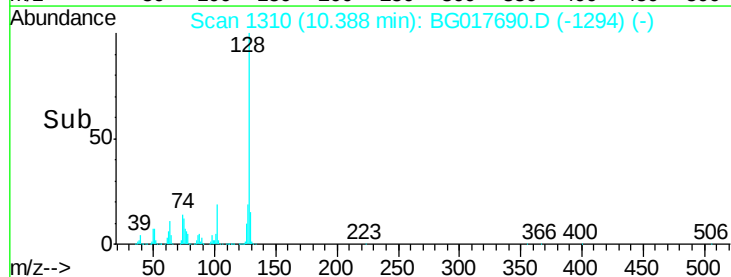
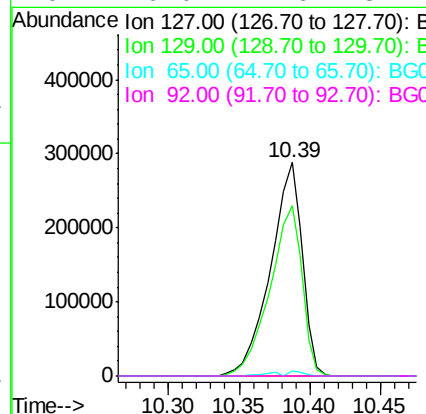
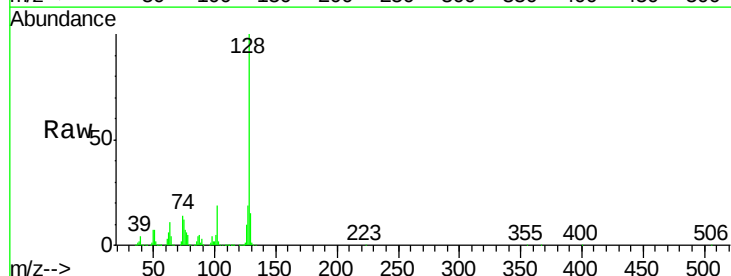
Instrument :
BNA_G
ClientSampleId :
MW-16DL

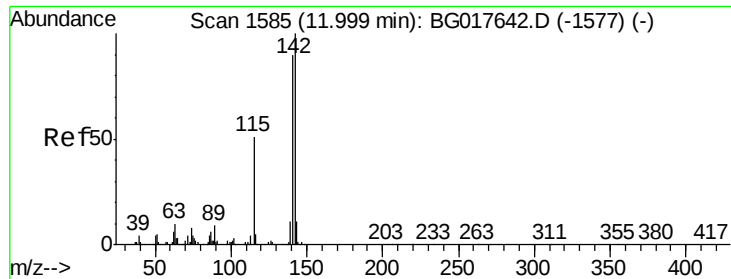
Tgt Ion:128 Resp: 2778835
Ion Ratio Lower Upper
128 100
129 14.8 7.0 10.4#
127 18.6 10.2 15.2#



#33
4-Chloroaniline
Concen: 287.51 ng
RT: 10.39 min Scan# 1310
Delta R.T. -0.11 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion:127 Resp: 452752
Ion Ratio Lower Upper
127 100
129 79.6 27.4 41.2#
65 2.6 33.8 50.8#
92 0.0 21.6 32.4#

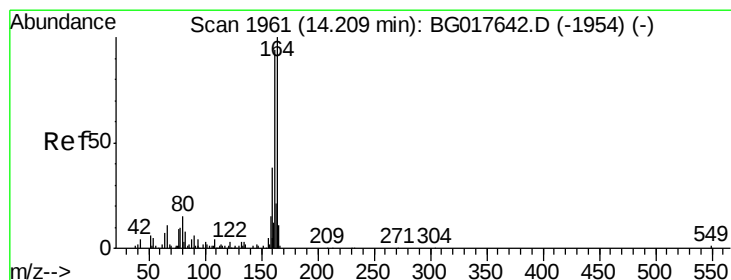
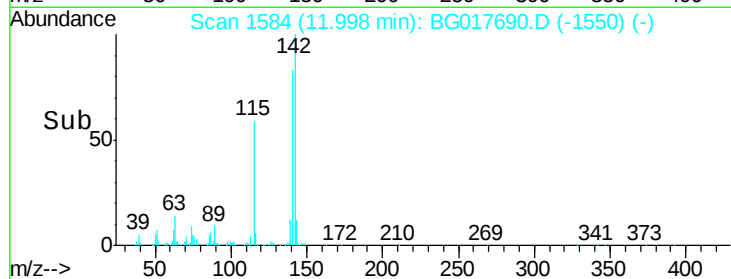
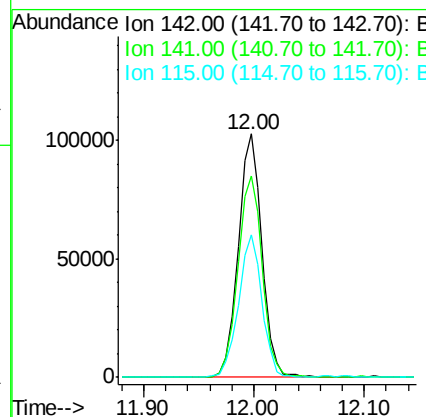
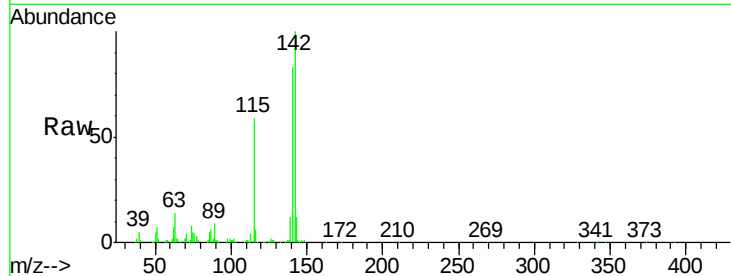




#37
2-Methylnaphthalene
Concen: 49.92 ng
RT: 12.00 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

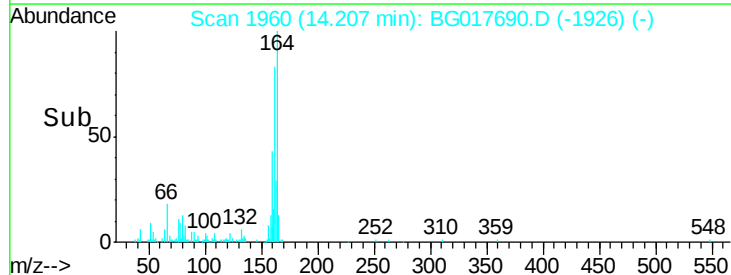
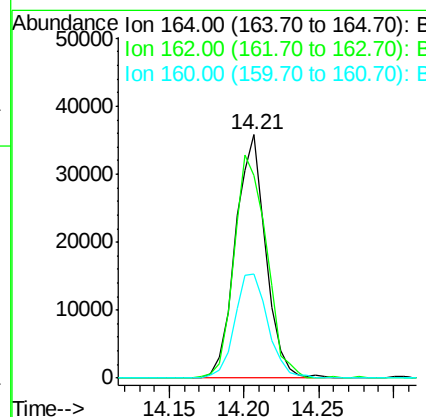
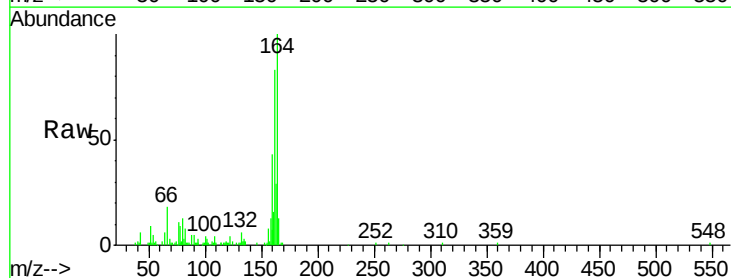
Instrument :
BNA_G
ClientSampleId :
MW-16DL

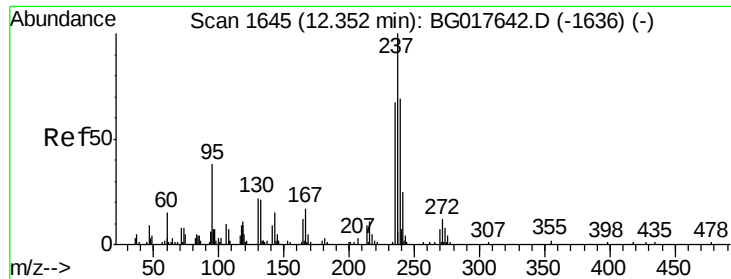
Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	71.8	107.8
115	58.8	41.0	61.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.21 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	83.2	75.0	112.4
160	42.8	30.3	45.5

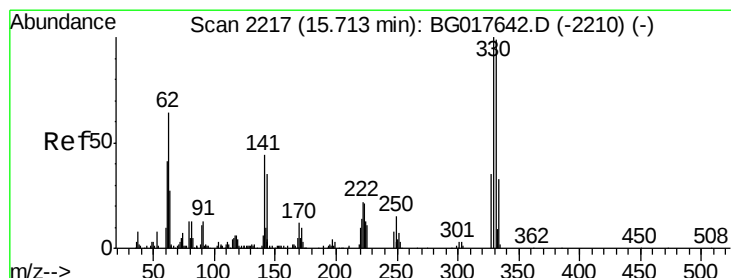
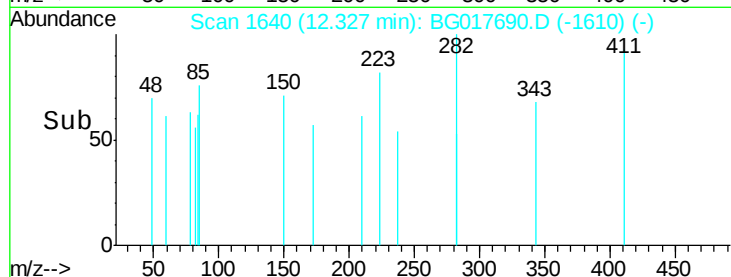
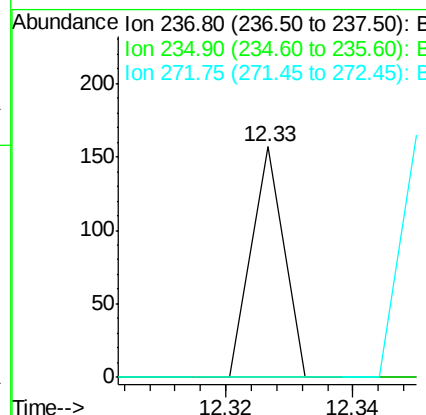
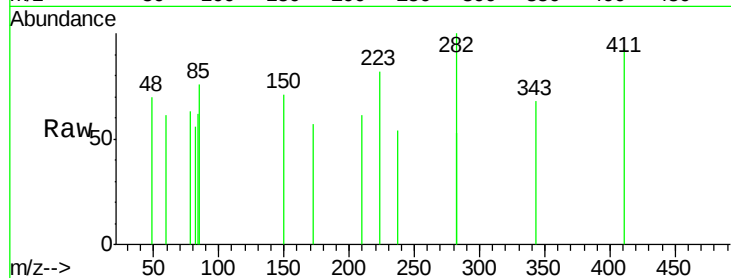




#40
Hexachlorocyclopentadiene
Concen: 5.05 ng
RT: 12.33 min Scan# 1640
Delta R.T. -0.03 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

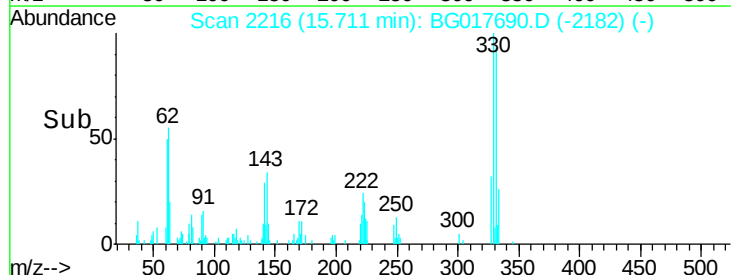
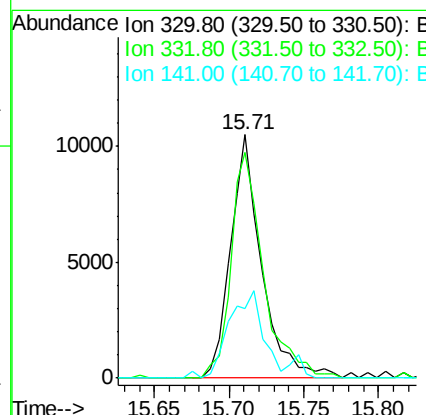
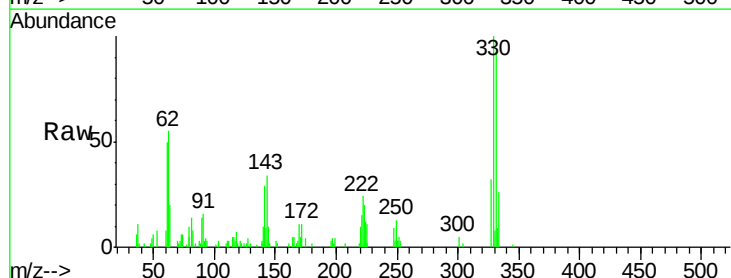
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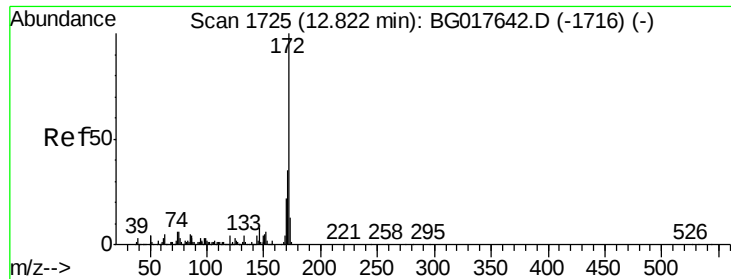
Tgt Ion: 237 Resp: 55
Ion Ratio Lower Upper
237 100
235 0.0 46.6 86.6#
272 0.0 0.0 32.3



#41
2,4,6-Tribromophenol
Concen: 17.54 ng
RT: 15.71 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion: 330 Resp: 15317
Ion Ratio Lower Upper
330 100
332 97.3 76.6 114.8
141 39.1 34.6 51.8

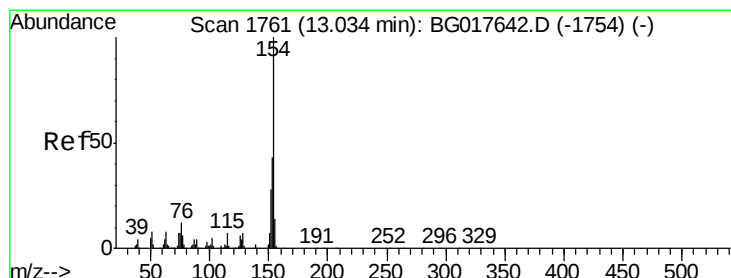
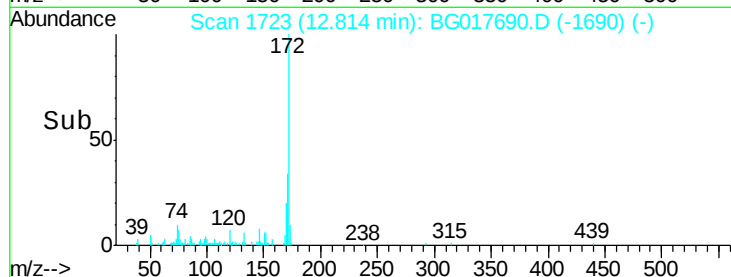
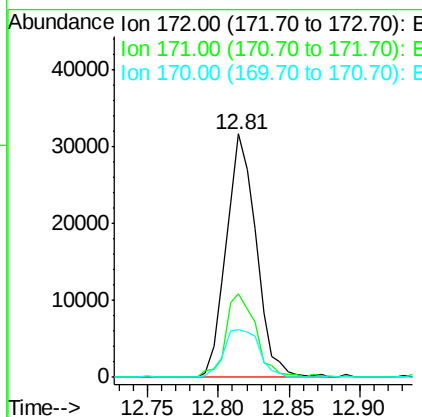
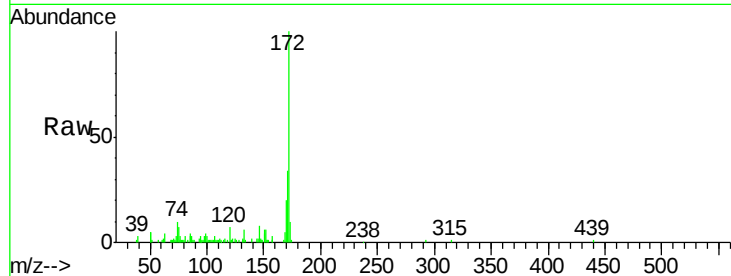




#44
 2-Fluorobiphenyl
 Concen: 12.79 ng
 RT: 12.81 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG017690.D
 Acq: 15 Jun 2015 15:11

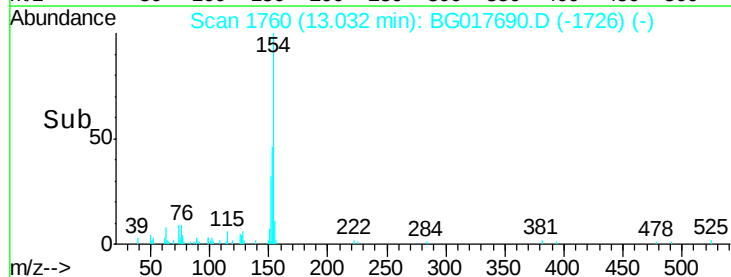
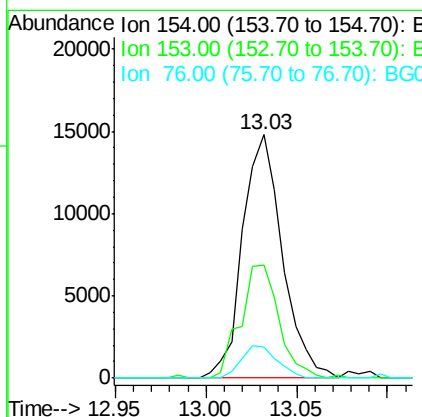
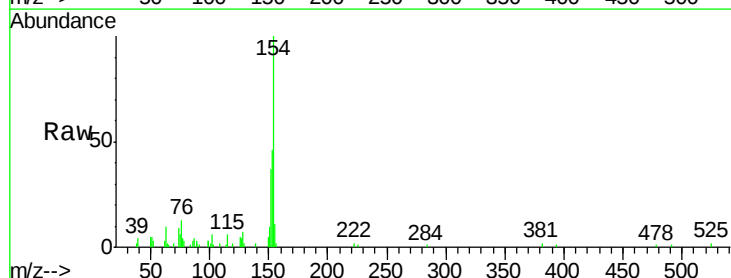
Instrument :
 BNA_G
 ClientSampleId :
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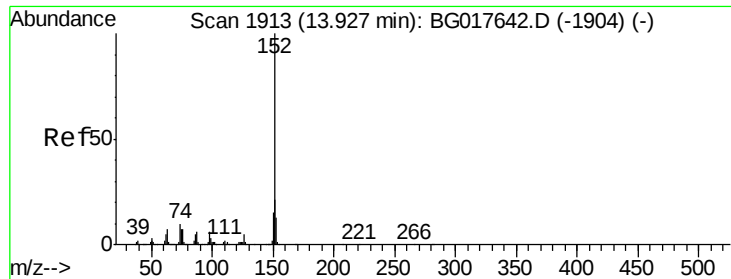
Tgt Ion:172 Resp: 46792
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.2 42.2
 170 19.8 17.4 26.2



#45
 1,1'-Biphenyl
 Concen: 6.10 ng
 RT: 13.03 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BG017690.D
 Acq: 15 Jun 2015 15:11

Tgt Ion:154 Resp: 22623
 Ion Ratio Lower Upper
 154 100
 153 46.3 22.9 62.9
 76 12.5 0.0 31.8





#48

Acenaphthylene

Concen: 19.93 ng

RT: 13.92 min Scan# 1912

Delta R.T. -0.00 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

Instrument :

BNA_G

ClientSampleId :

MW-16DL

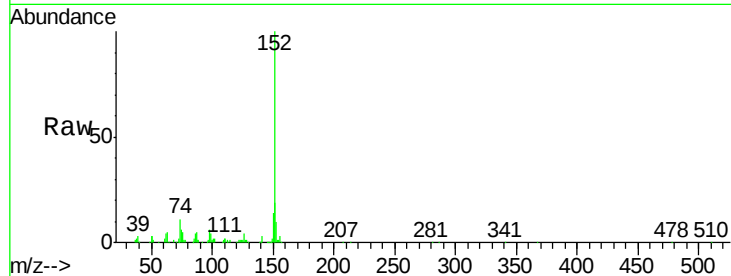
Tgt Ion:152 Resp: 104272

Ion Ratio Lower Upper

152 100

151 19.0 17.0 25.4

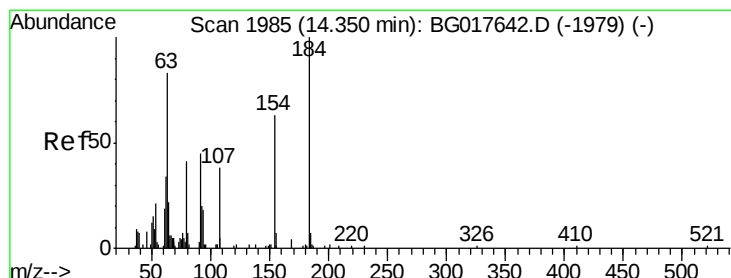
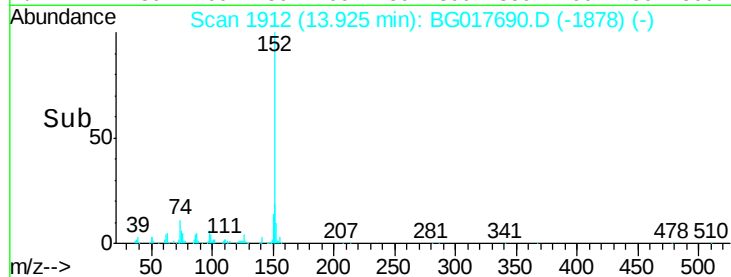
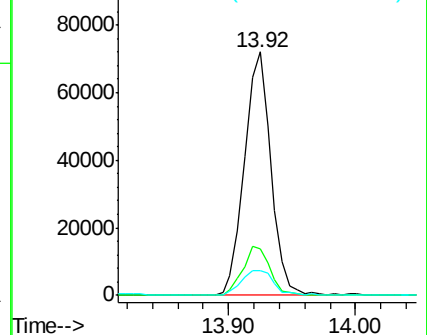
153 10.2 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#53

2,4-Dinitrophenol

Concen: 5.95 ng

RT: 14.41 min Scan# 1994

Delta R.T. 0.06 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

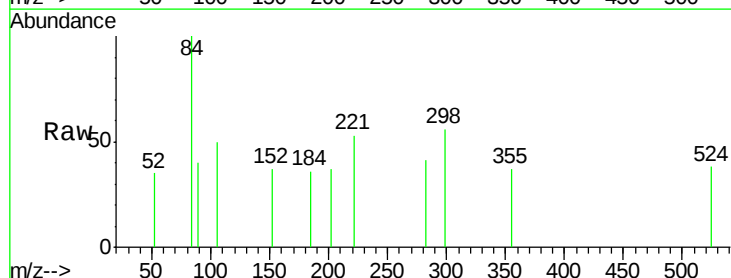
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 66.5 99.7#

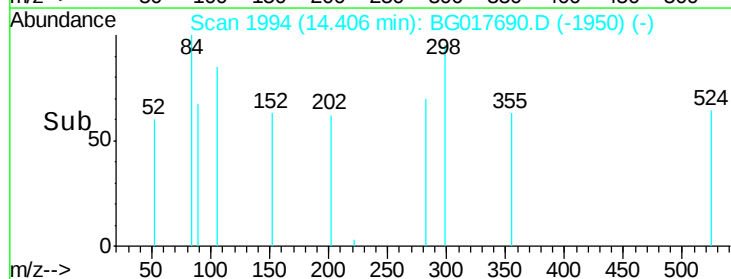
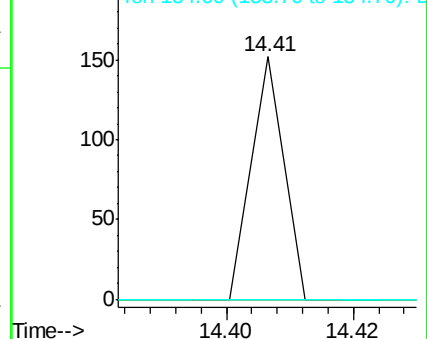
154 0.0 50.5 75.7#

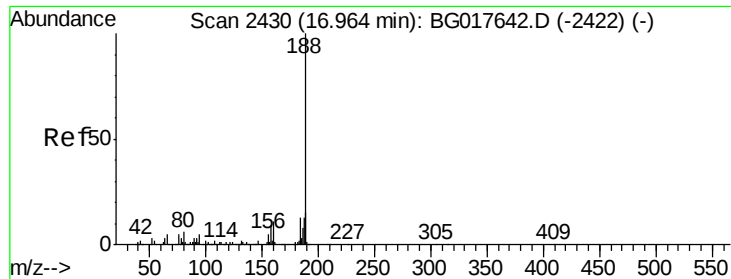


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

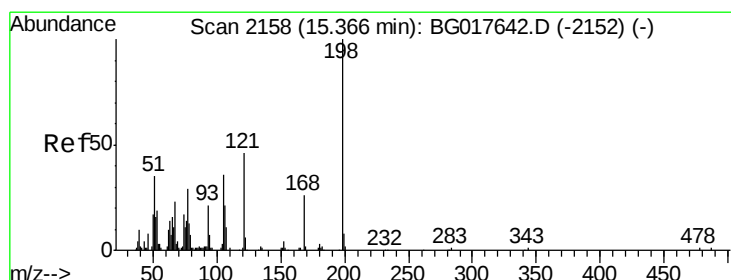
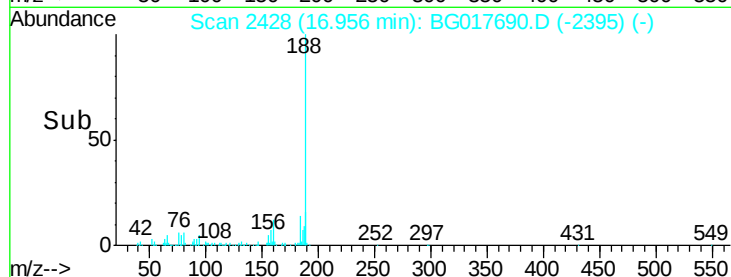
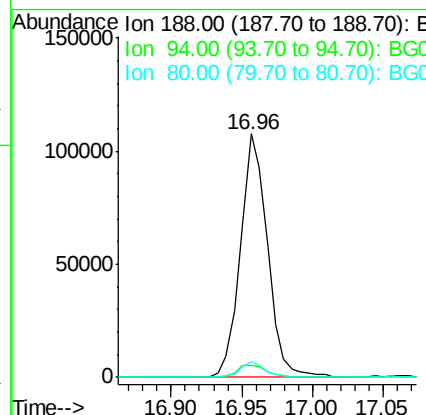
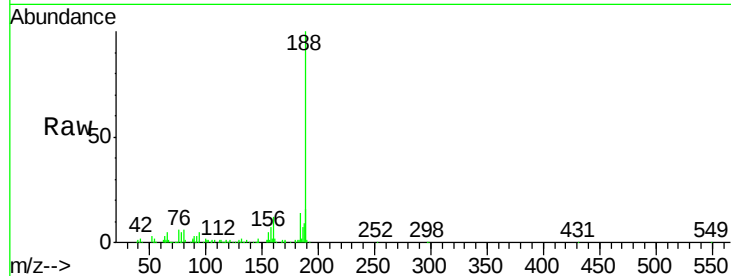




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

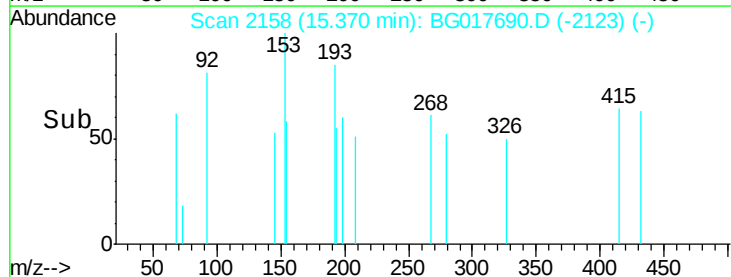
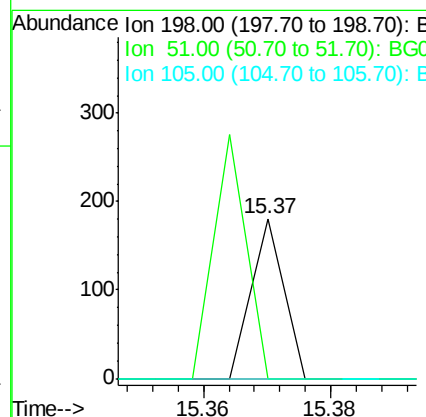
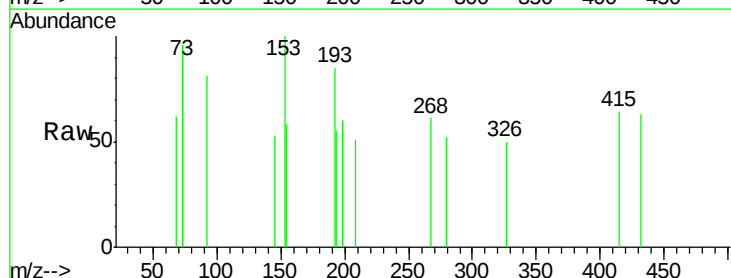
Instrument :
BNA_G
ClientSampleId :
MW-16DL

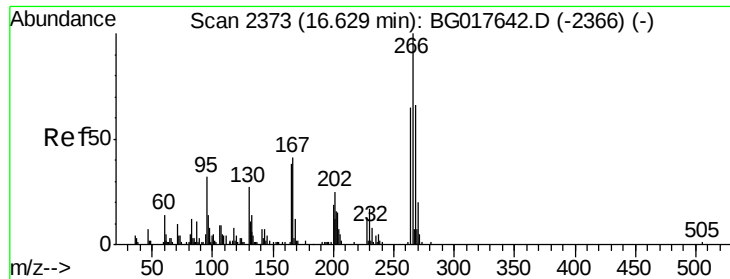
Tgt Ion:188 Resp: 144090
Ion Ratio Lower Upper
188 100
94 4.7 3.9 5.9
80 6.4 5.0 7.6



#64
4,6-Dinitro-2-methylphenol
Concen: 5.30 ng
RT: 15.37 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BG017690.D
Acq: 15 Jun 2015 15:11

Tgt Ion:198 Resp: 64
Ion Ratio Lower Upper
198 100
51 0.0 16.2 56.2#
105 0.0 15.7 55.7#





#69

Pentachlorophenol

Concen: 6.25 ng

RT: 16.56 min Scan# 2360

Delta R.T. -0.07 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

Instrument :

BNA_G

ClientSampleId :

MW-16DL

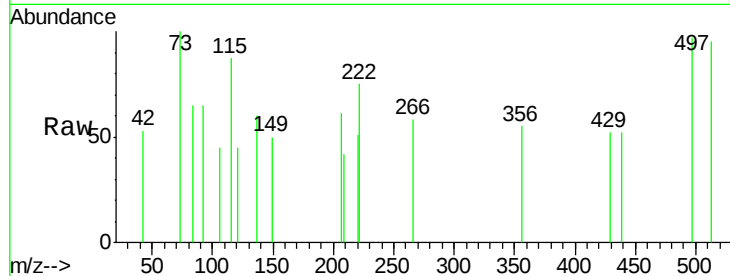
Tgt Ion:266 Resp: 73

Ion Ratio Lower Upper

266 100

268 0.0 52.7 79.1#

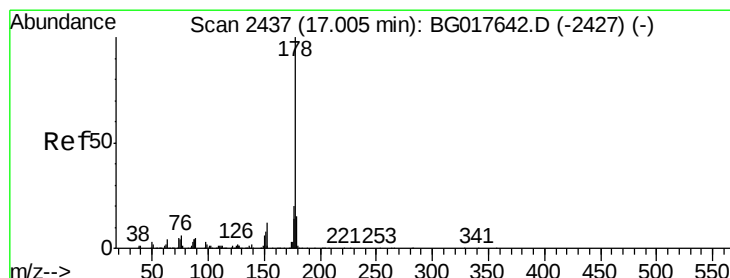
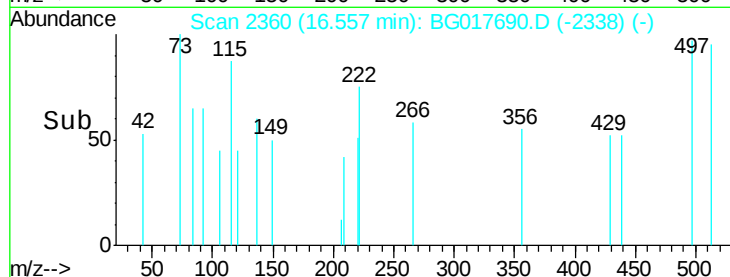
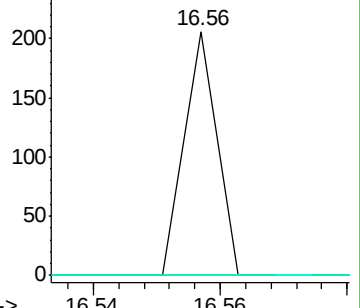
264 0.0 52.2 78.4#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 4.66 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

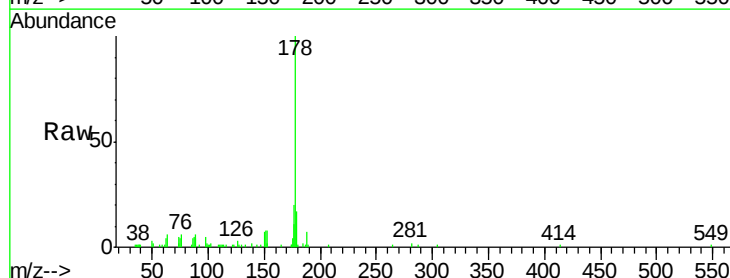
Tgt Ion:178 Resp: 37445

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

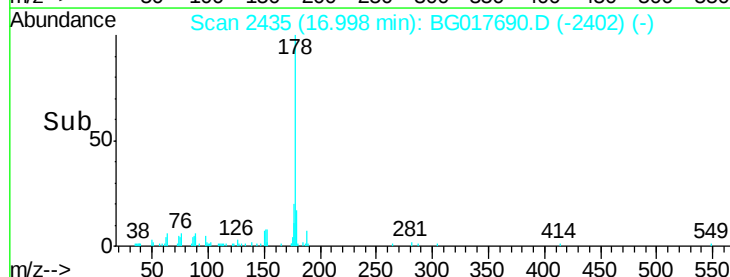
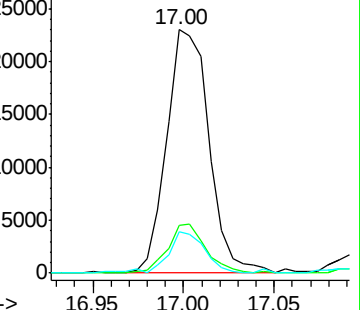
179 17.2 12.3 18.5

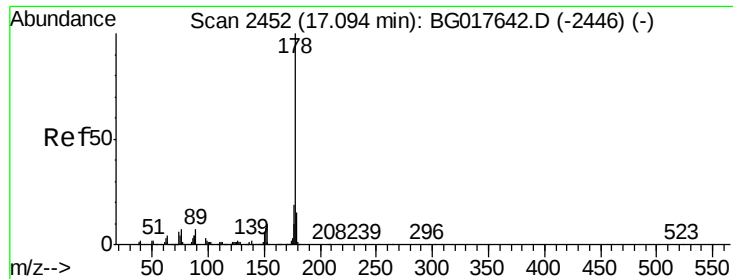


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.69 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.10 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

Instrument :

BNA_G

ClientSampleId :

MW-16DL

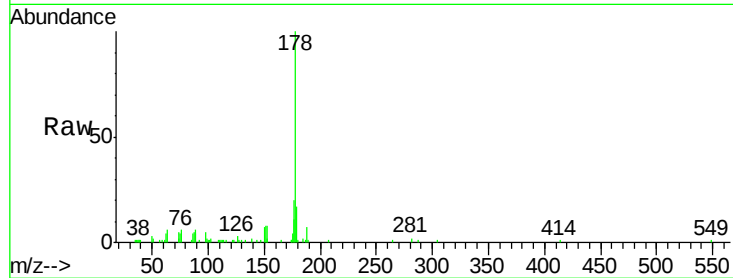
Tgt Ion:178 Resp: 37445

Ion Ratio Lower Upper

178 100

176 19.9 14.8 22.2

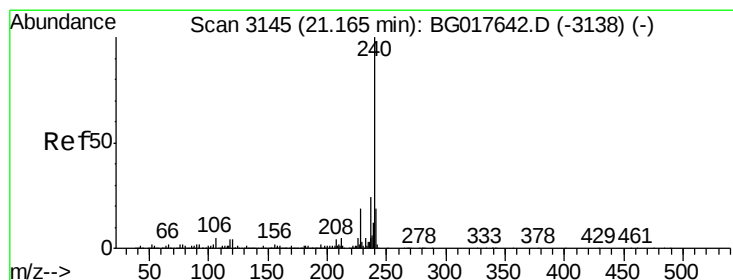
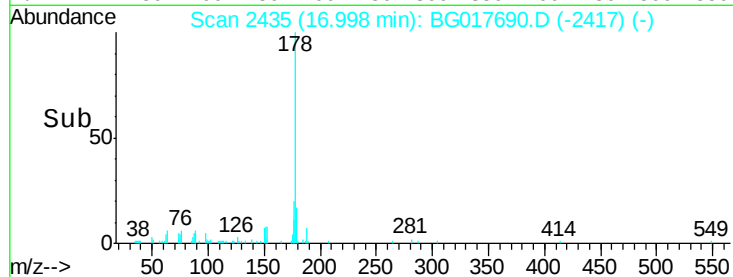
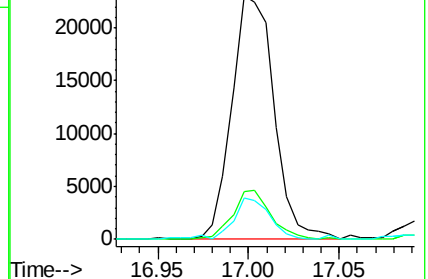
179 17.2 11.9 17.9



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

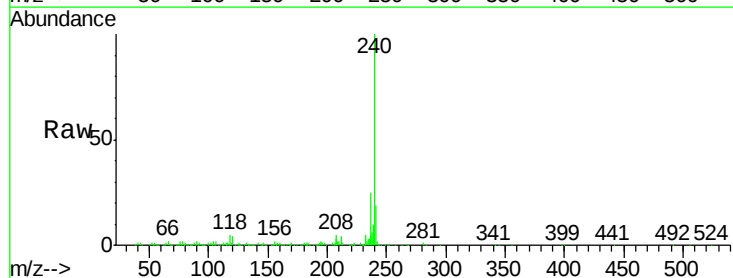
Tgt Ion:240 Resp: 204625

Ion Ratio Lower Upper

240 100

120 3.8 3.5 5.3

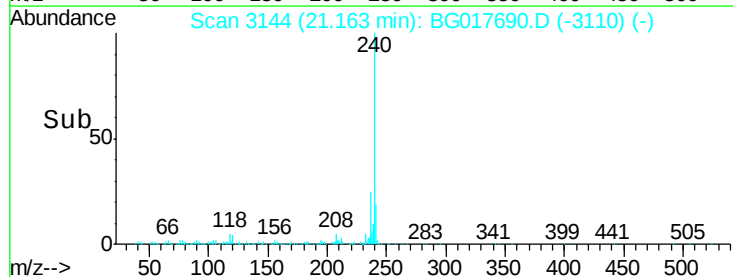
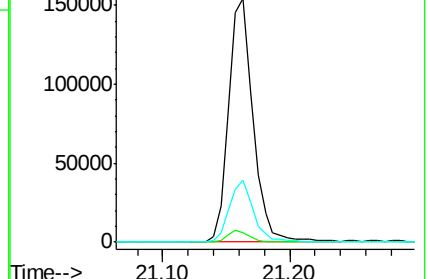
236 25.3 19.5 29.3

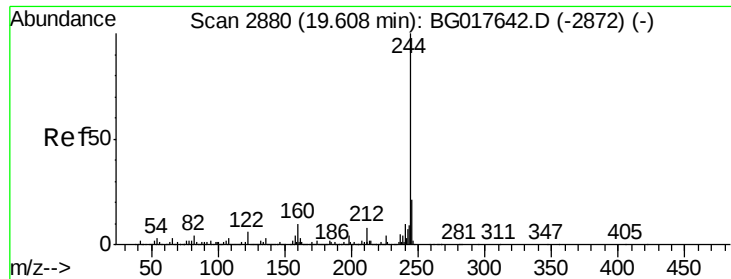


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 11.61 ng

RT: 19.60 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

Instrument :

BNA_G

ClientSampleId :

MW-16DL

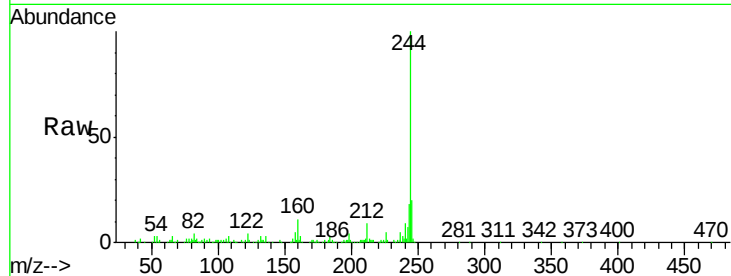
Tgt Ion:244 Resp: 113917

Ion Ratio Lower Upper

244 100

212 8.5 6.3 9.5

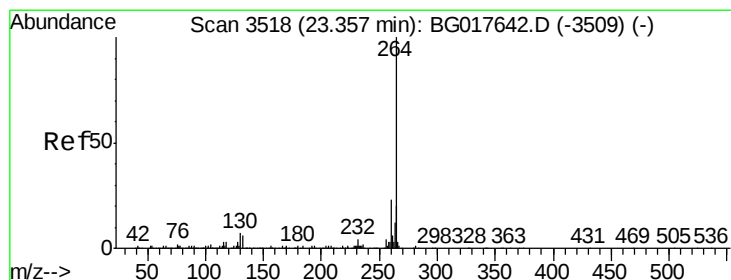
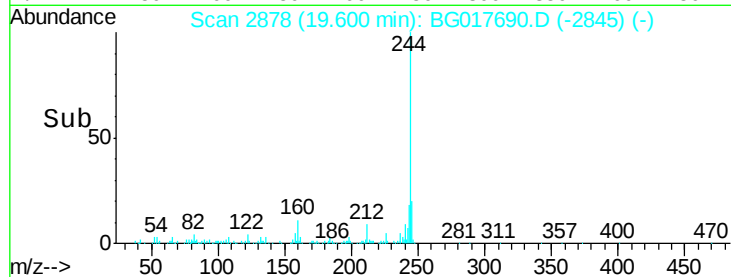
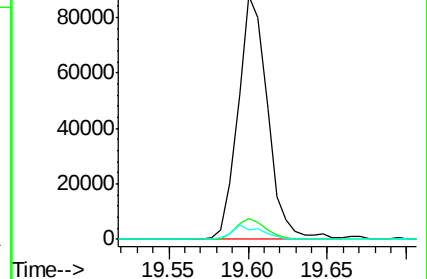
122 4.1 4.6 6.8#



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: 23.35 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BG017690.D

Acq: 15 Jun 2015 15:11

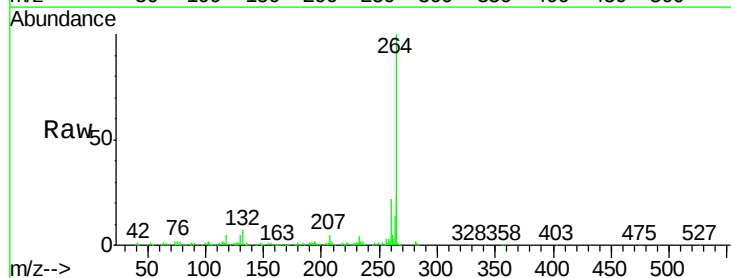
Tgt Ion:264 Resp: 202063

Ion Ratio Lower Upper

264 100

260 22.3 18.3 27.5

265 22.6 16.2 24.2



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

