

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\
 Data File : BG026696.D
 Acq On : 21 Apr 2017 21:30
 Operator : SJ/MA
 Sample : I2782-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 22 03:59:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 18:04:39 2017
 Response via : Initial Calibration

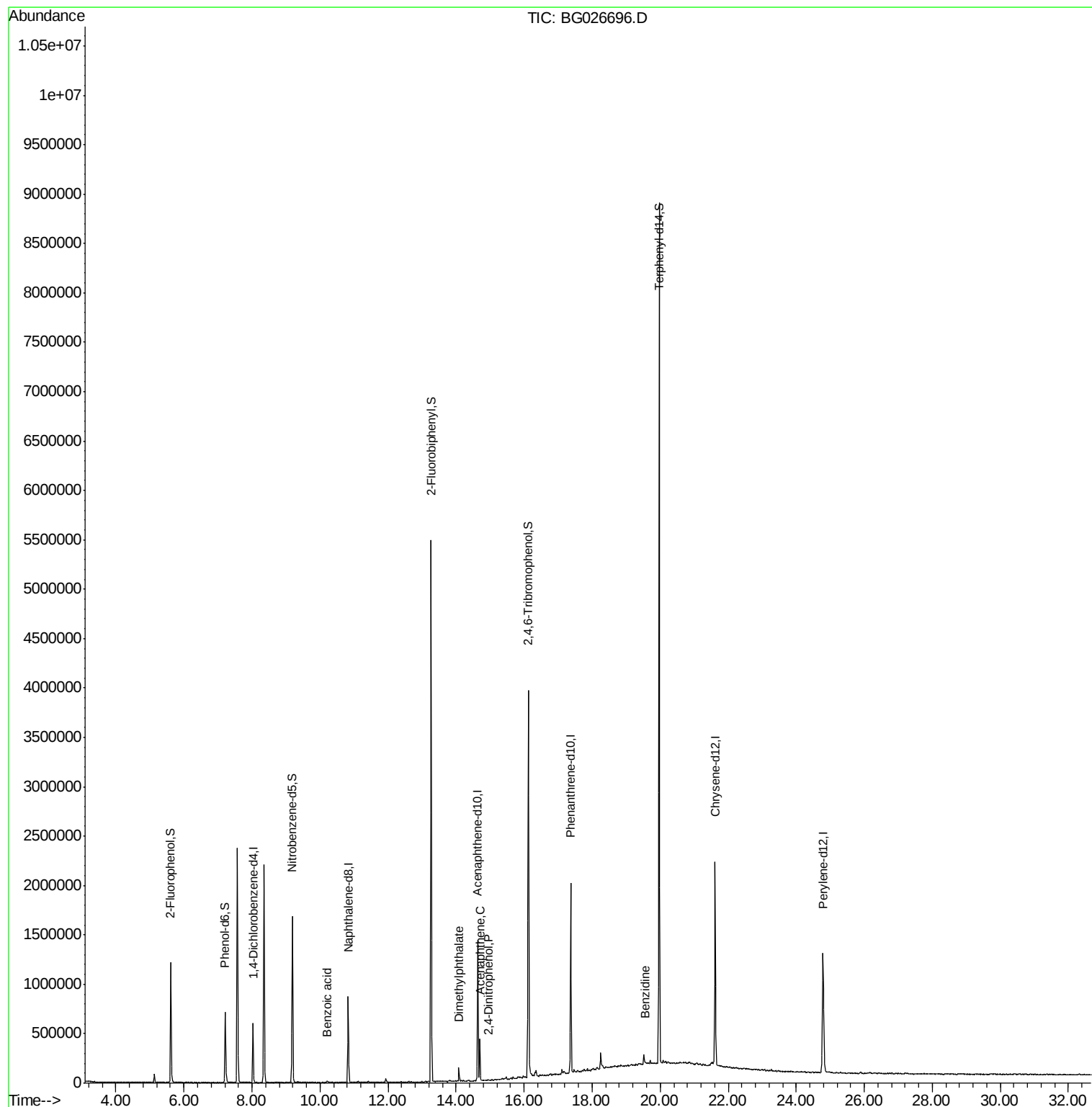
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	188607	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	830358	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	516792	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1246221	20.00	ng	-0.02
75) Chrysene-d12	21.61	240	1331068	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1299751	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	651526	62.80	ng	0.00
7) Phenol-d6	7.21	99	549876	40.45	ng	0.00
23) Nitrobenzene-d5	9.19	82	1069821	89.90	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	941151	130.70	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2984169	86.00	ng	-0.02
78) Terphenyl-d14	19.97	244	3706803	82.22	ng	-0.02
Target Compounds						
32) Benzoic acid	10.23	122	80	9.02	ng	# 33
49) Dimethylphthalate	14.08	163	110242	2.69	ng	97
51) Acenaphthene	14.70	154	171719	5.27	ng	97
53) 2,4-Dinitrophenol	14.94	184	241	8.79	ng	# 65
76) Benzidine	19.57	184	810	3.73	ng	# 1

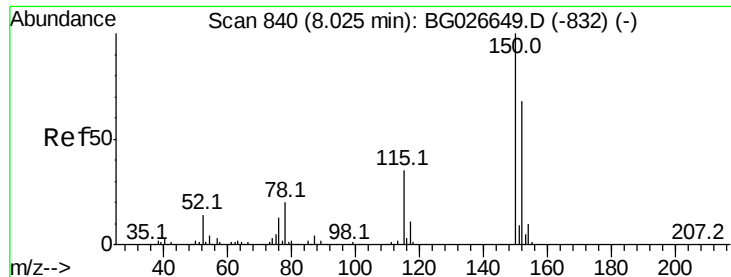
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 841

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampleId :

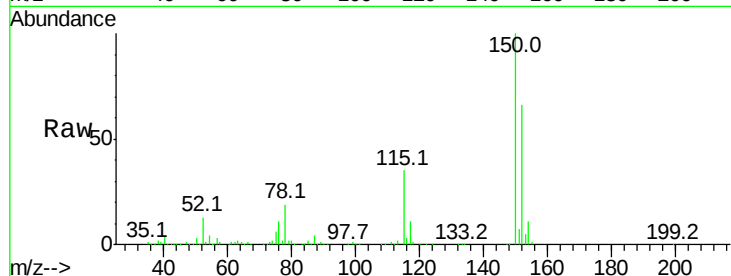
Tot Ion:152 Resp: 188607

Ion Ratio Lower Upper

152 100

150 152.2 114.0 171.0

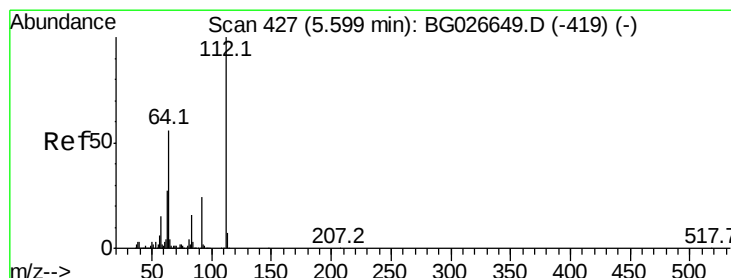
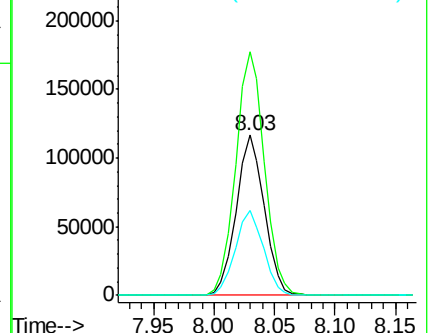
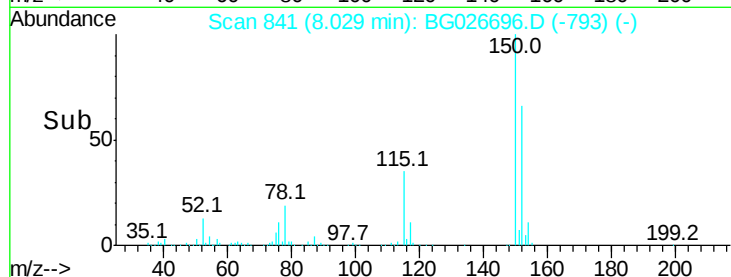
115 53.2 48.1 72.1



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: 62.80 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

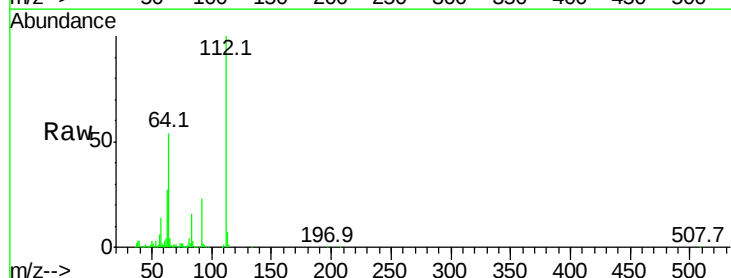
Tgt Ion:112 Resp: 651526

Ion Ratio Lower Upper

112 100

64 54.5 61.8 92.6#

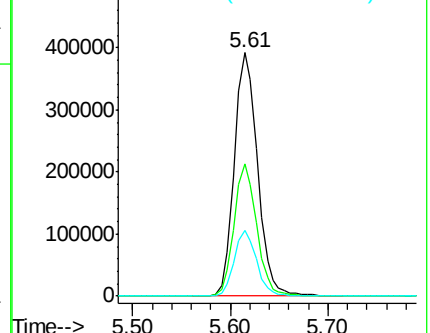
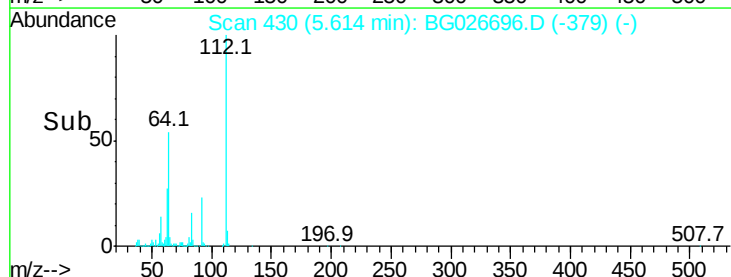
63 27.0 37.2 55.8#

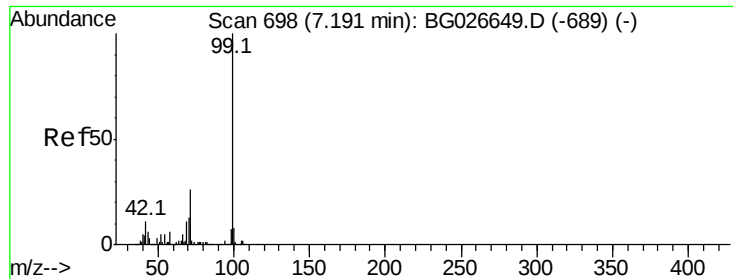


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 40.45 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampleId :

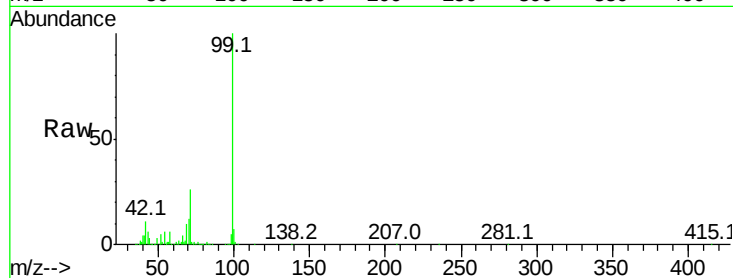
Tot Ion: 99 Resp: 549876

Ion Ratio Lower Upper

99 100

42 11.1 20.5 30.7#

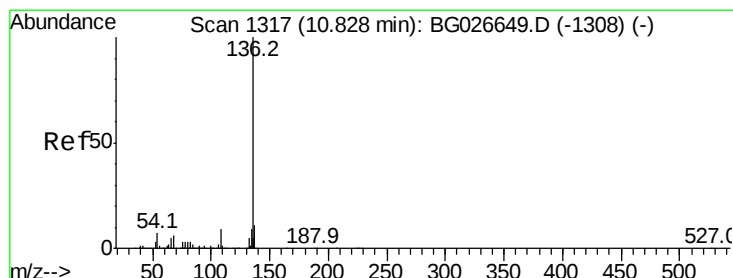
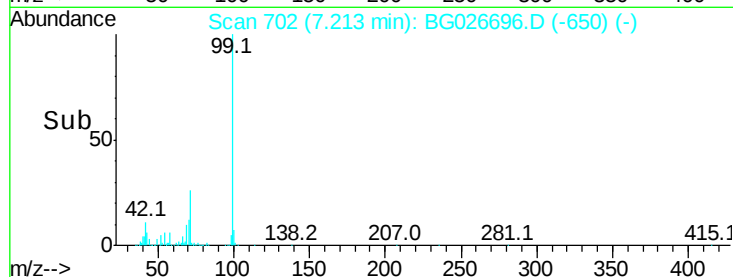
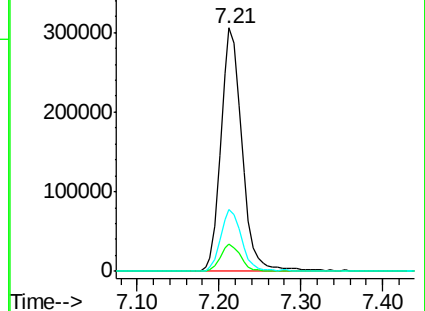
71 25.6 37.6 56.4#



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: 10.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Tgt Ion: 136 Resp: 830358

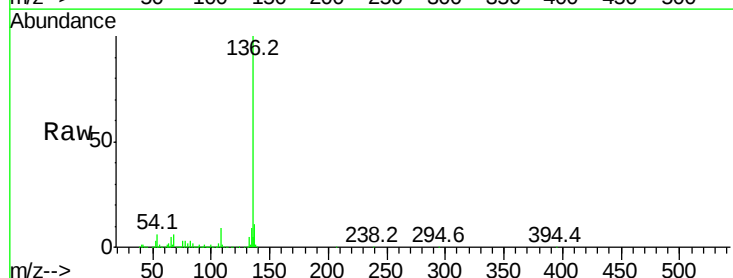
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.2 9.3 13.9#

68 6.0 5.1 7.7

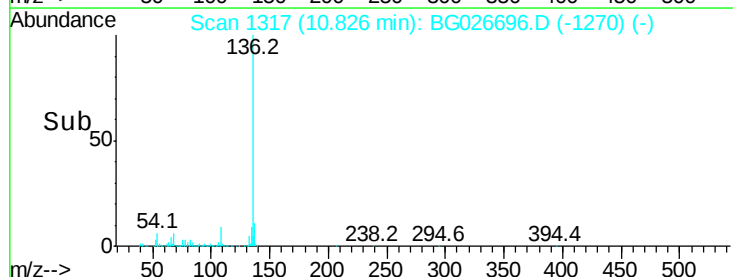
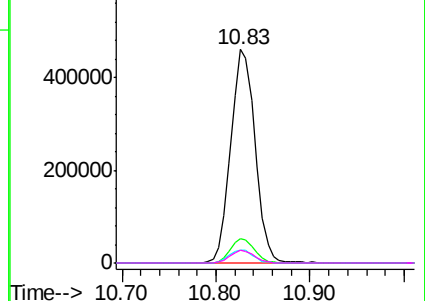


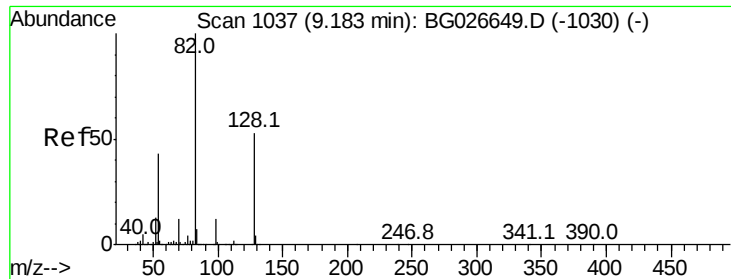
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

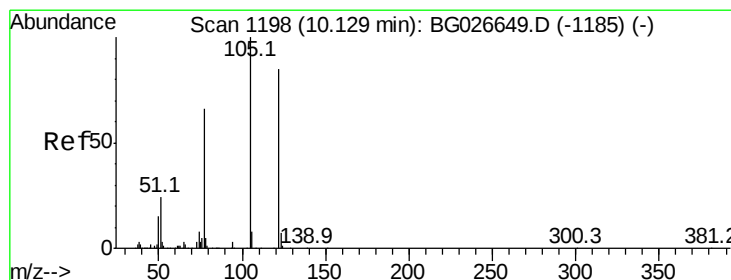
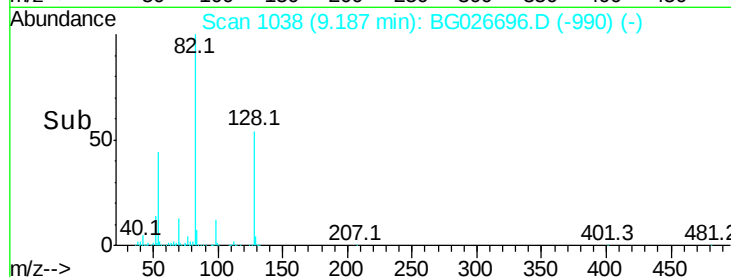
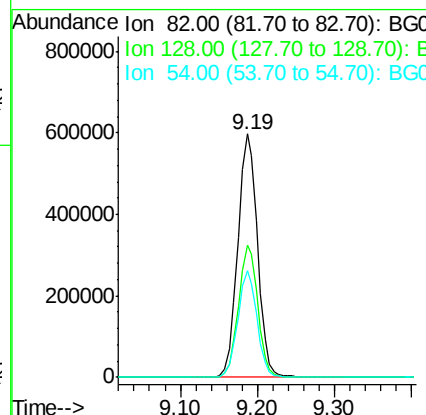
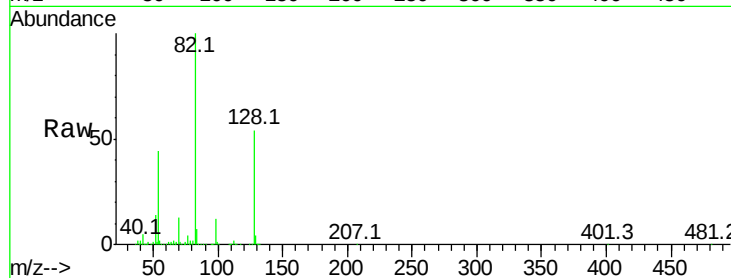




#23
 Nitrobenzene-d5
 Concen: 89.90 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BG026696.D
 Acq: 21 Apr 2017 21:30

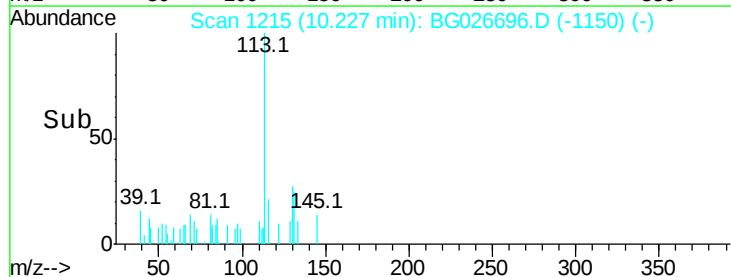
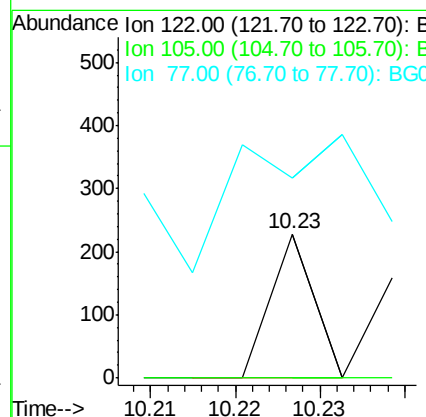
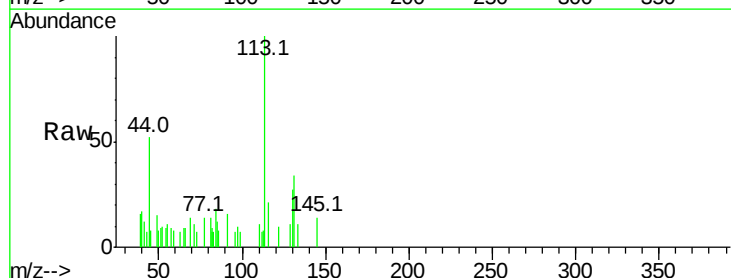
Instrument :
 BNA_G
 ClientSampleId :

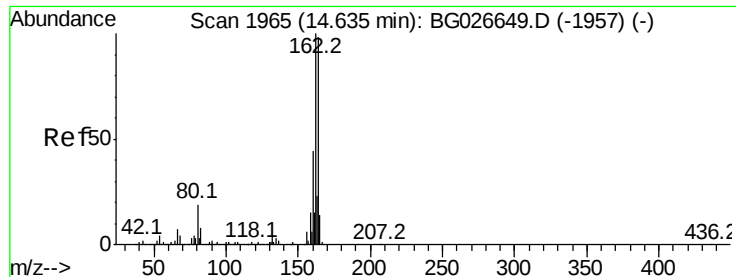
Tot Ion: 82 Resp: 1069821
 Ion Ratio Lower Upper
 82 100
 128 54.1 26.4 39.6#
 54 43.6 49.4 74.2#



#32
 Benzoic acid
 Concen: 9.02 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. 0.08 min
 Lab File: BG026696.D
 Acq: 21 Apr 2017 21:30

Tgt Ion: 122 Resp: 80
 Ion Ratio Lower Upper
 122 100
 105 0.0 120.1 160.1#
 77 138.6 104.6 144.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampled :

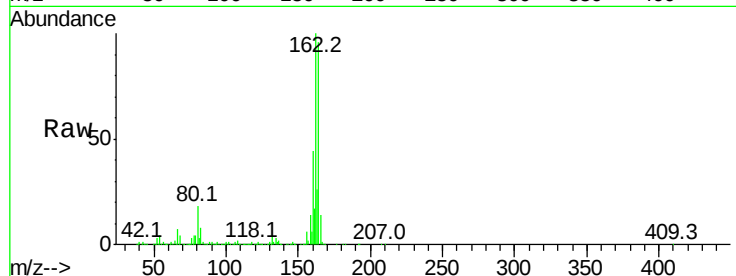
Tot Ion:164 Resp: 516792

Ion Ratio Lower Upper

164 100

162 103.8 85.1 127.7

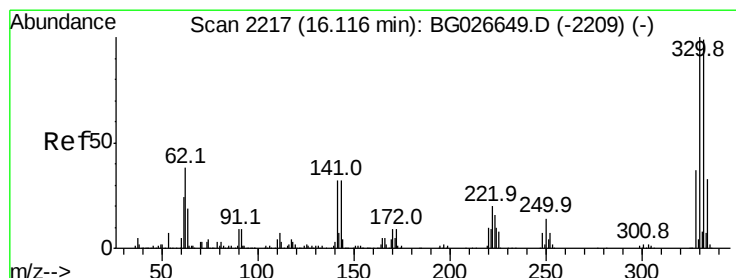
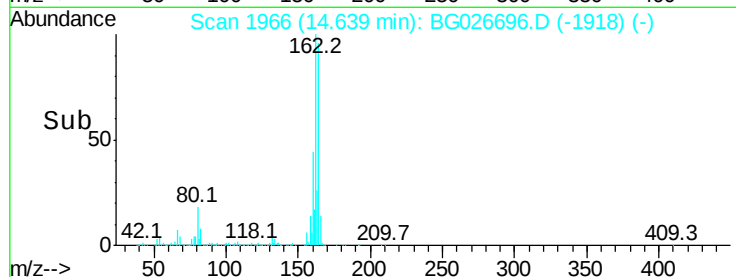
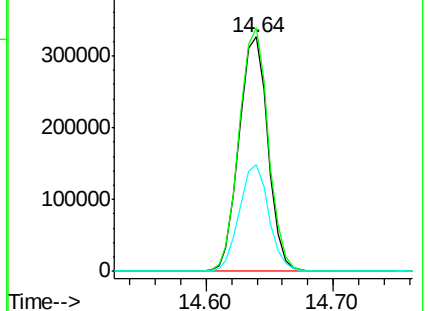
160 45.3 34.7 52.1



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: 130.70 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

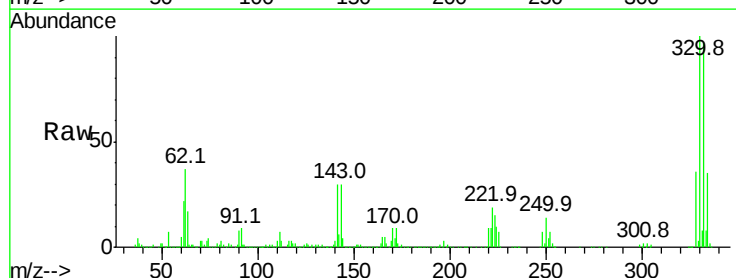
Tgt Ion:330 Resp: 941151

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

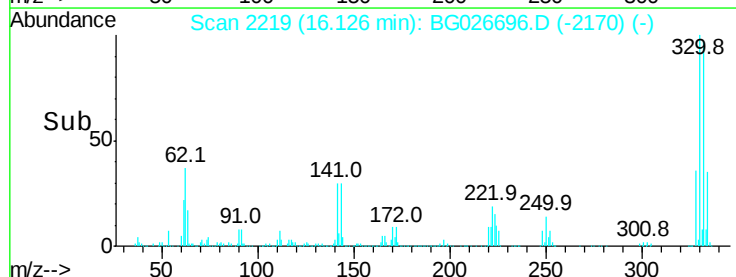
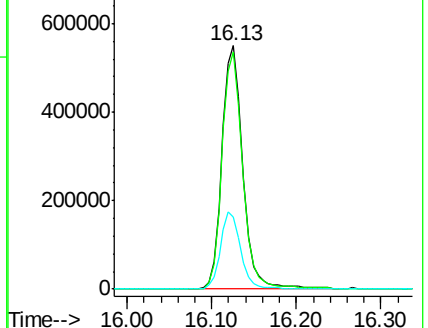
141 31.0 32.1 48.1#

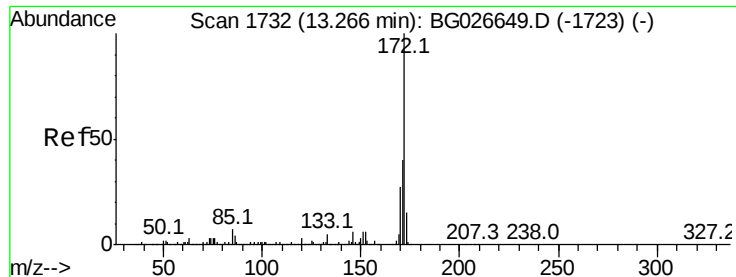


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

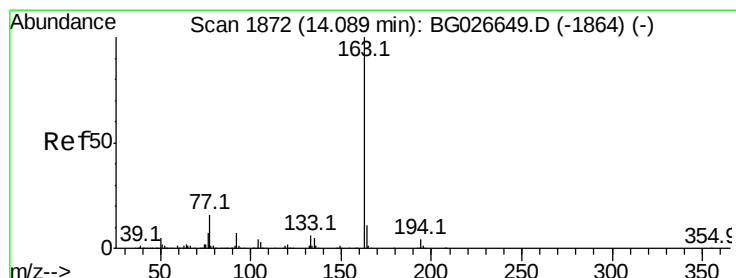
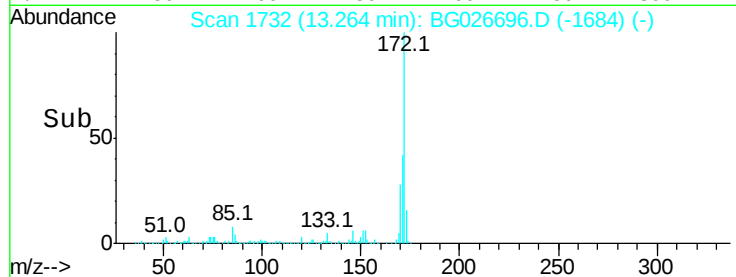
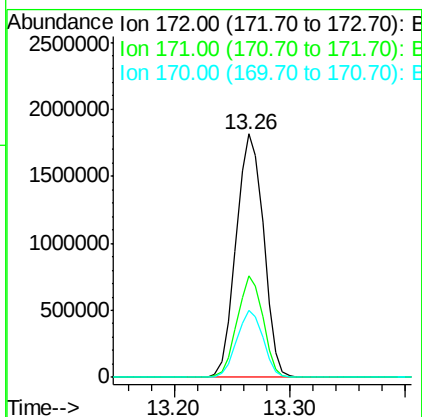
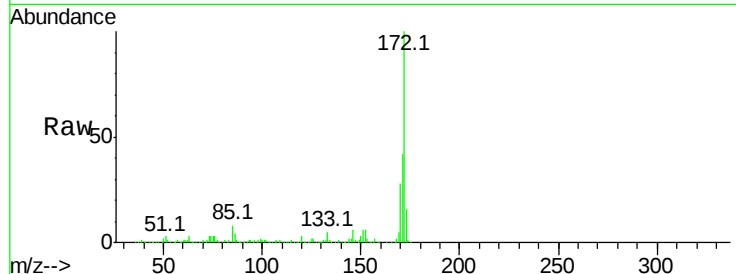




#44
2-Fluorobiphenyl
Concen: 86.00 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.02 min
Lab File: BG026696.D
Acq: 21 Apr 2017 21:30

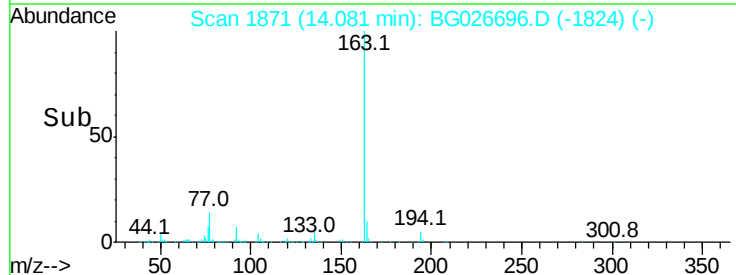
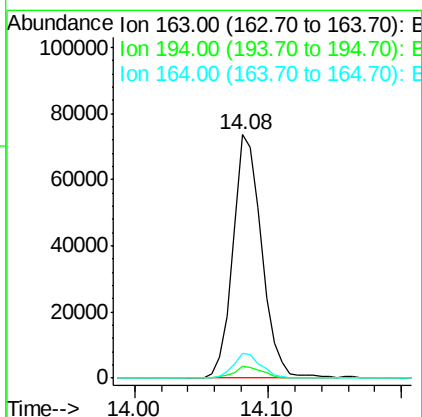
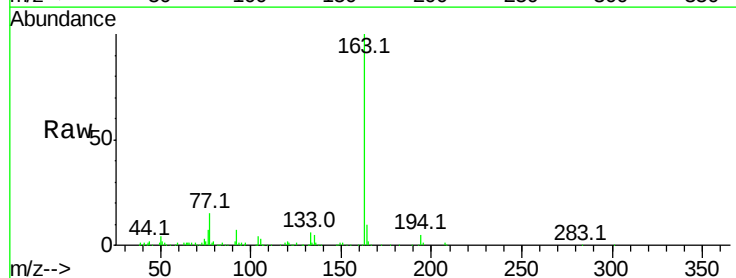
Instrument :
BNA_G
ClientSampleId :

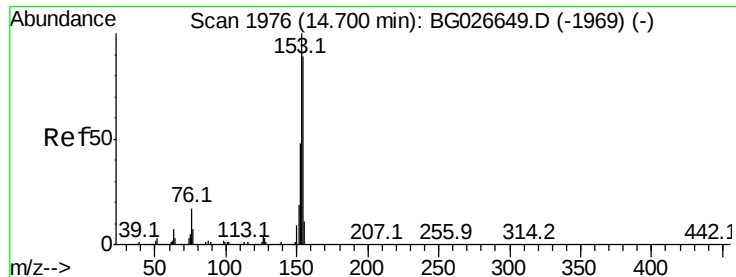
Tot Ion:172 Resp: 2984169
Ion Ratio Lower Upper
172 100
171 42.0 32.2 48.2
170 27.8 21.8 32.6



#49
Dimethylphthalate
Concen: 2.69 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.02 min
Lab File: BG026696.D
Acq: 21 Apr 2017 21:30

Tgt Ion:163 Resp: 110242
Ion Ratio Lower Upper
163 100
194 4.8 3.8 5.6
164 10.2 9.3 13.9





#51

Acenaphthene

Concen: 5.27 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampleId :

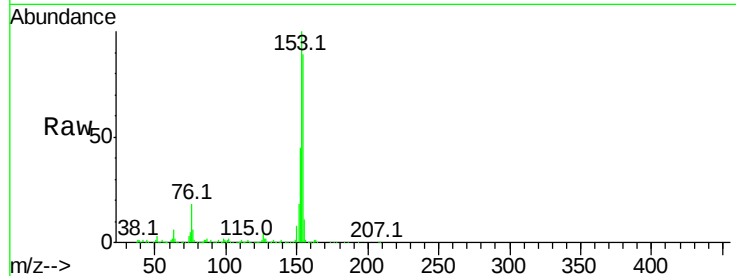
Tot Ion:154 Resp: 171719

Ion Ratio Lower Upper

154 100

153 112.9 87.8 131.6

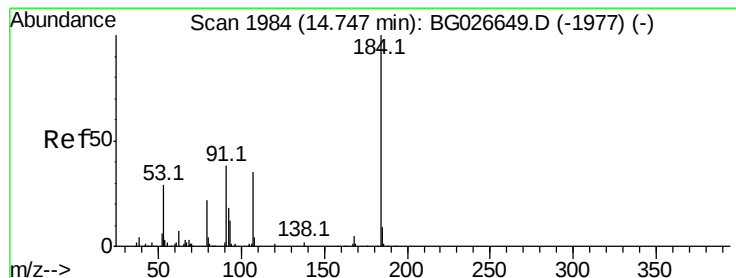
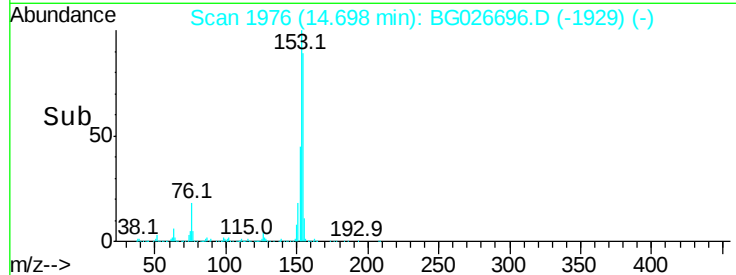
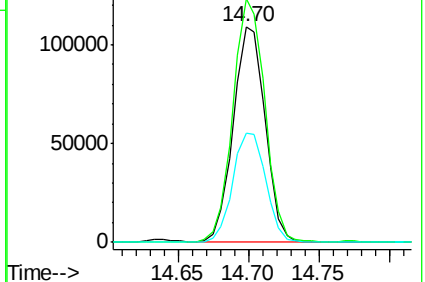
152 50.7 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.79 ng

RT: 14.94 min Scan# 2017

Delta R.T. 0.18 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

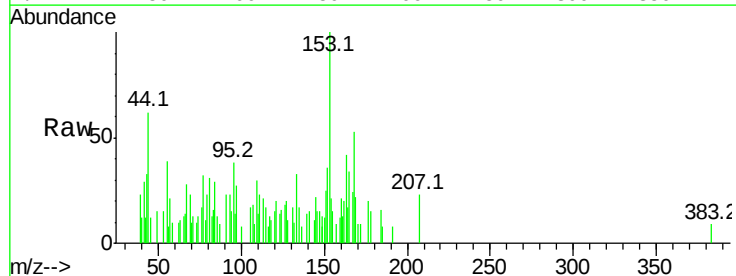
Tgt Ion:184 Resp: 241

Ion Ratio Lower Upper

184 100

63 65.5 52.7 79.1

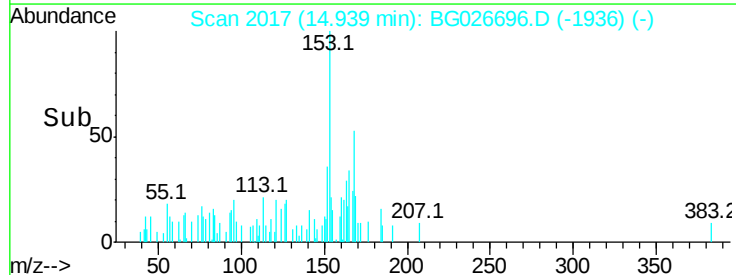
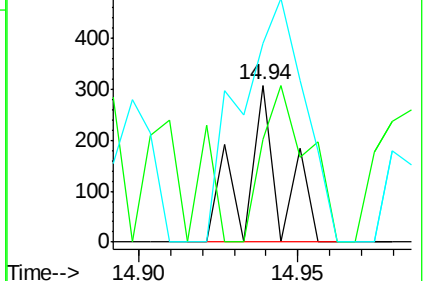
154 126.7 57.3 85.9#

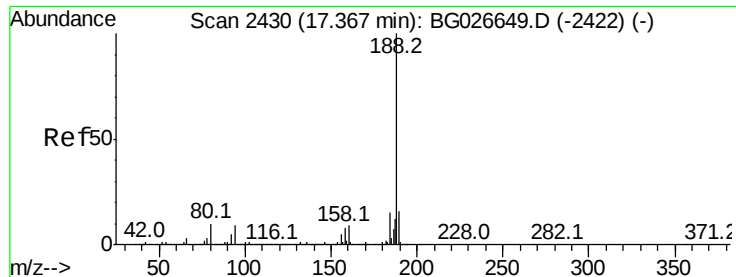


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampleId :

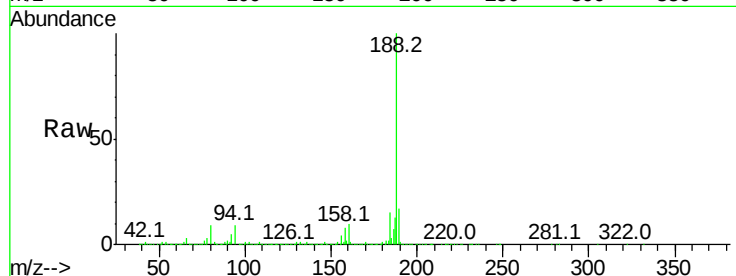
Tot Ion:188 Resp: 1246221

Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.8#

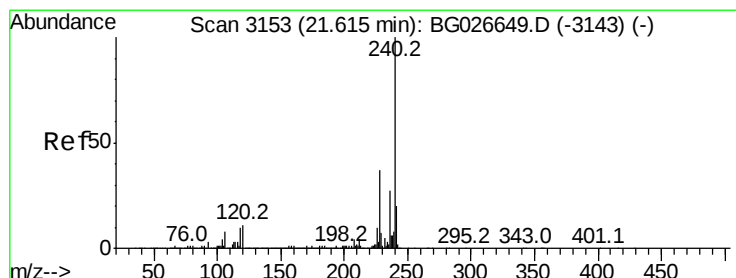
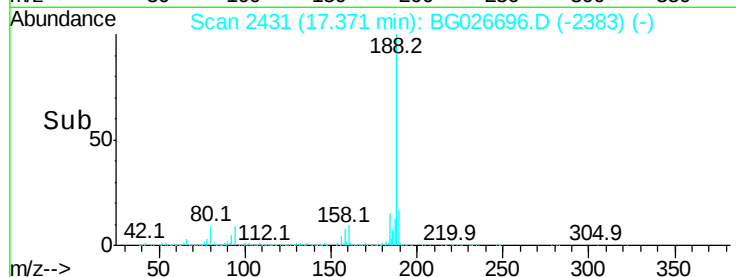
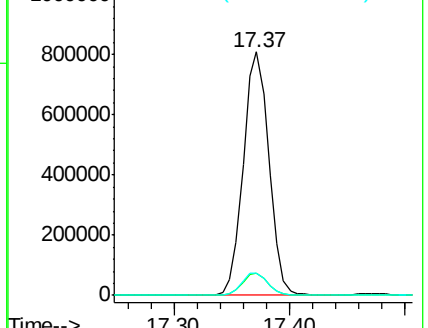
80 9.0 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

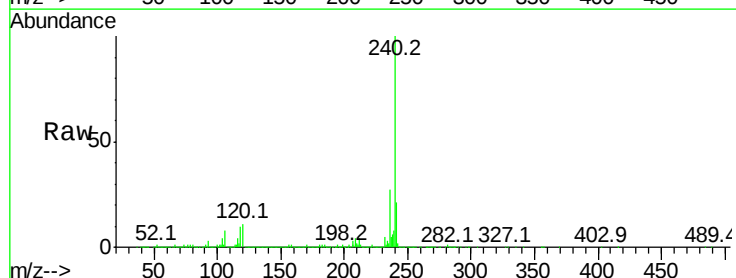
Tgt Ion:240 Resp: 1331068

Ion Ratio Lower Upper

240 100

120 10.8 5.7 8.5#

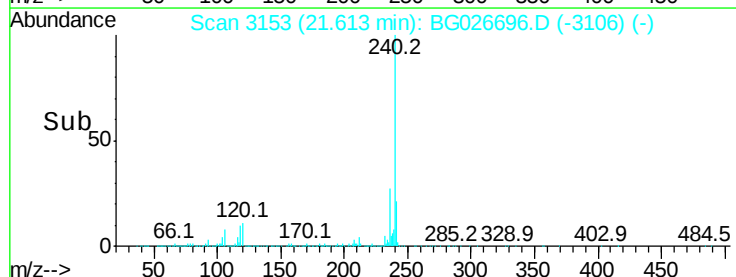
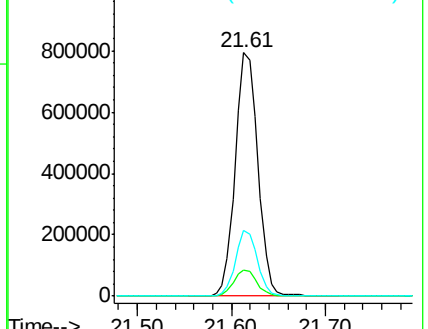
236 26.7 22.2 33.4

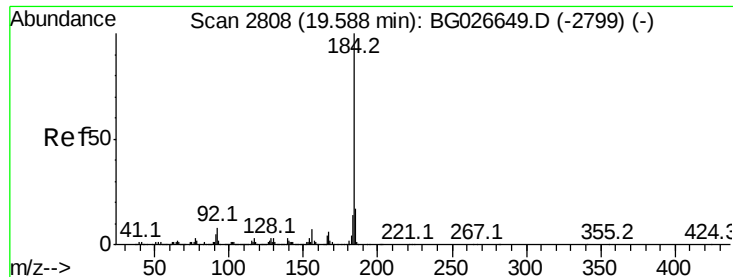


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.73 ng

RT: 19.57 min Scan# 2805

Delta R.T. -0.04 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

Instrument :

BNA_G

ClientSampled :

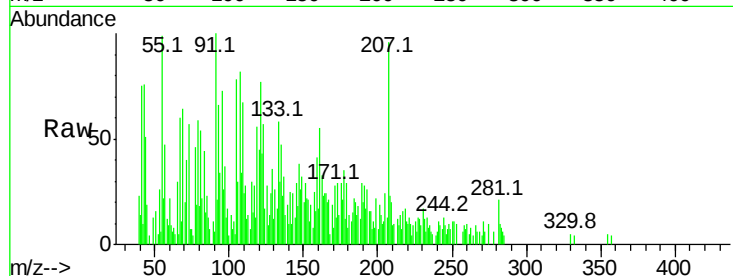
Tot Ion:184 Resp: 810

Ion Ratio Lower Upper

184 100

185 93.1 13.0 19.6#

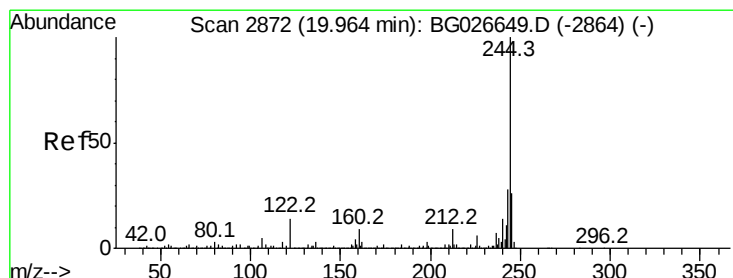
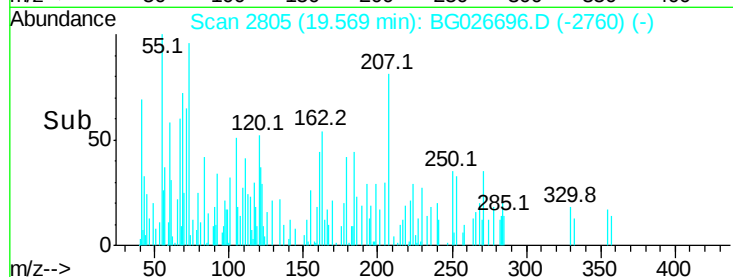
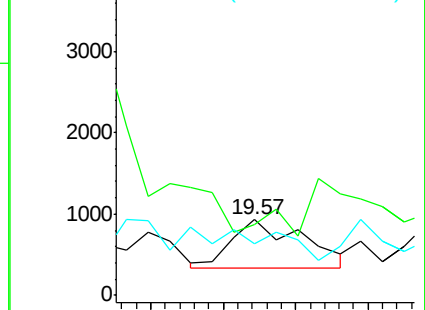
183 69.0 11.0 16.6#



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: 82.22 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026696.D

Acq: 21 Apr 2017 21:30

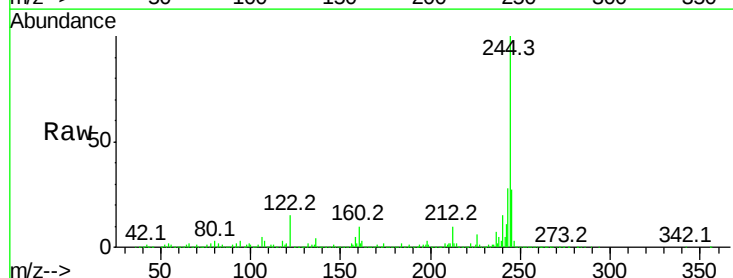
Tgt Ion:244 Resp: 3706803

Ion Ratio Lower Upper

244 100

212 10.3 10.0 15.0

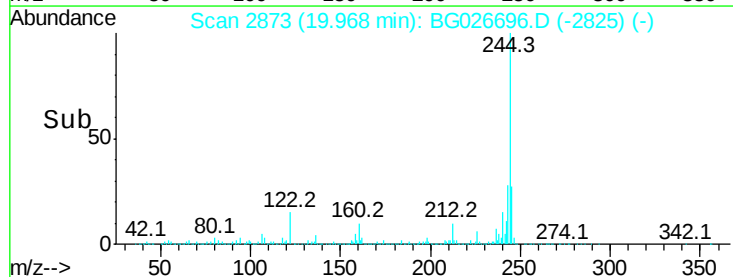
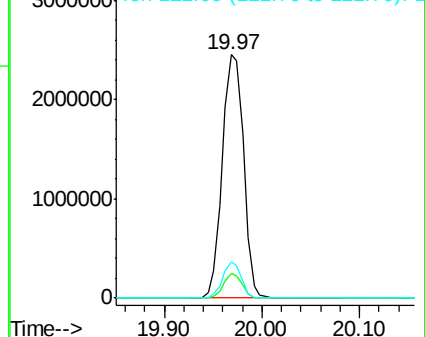
122 15.1 8.6 12.8#

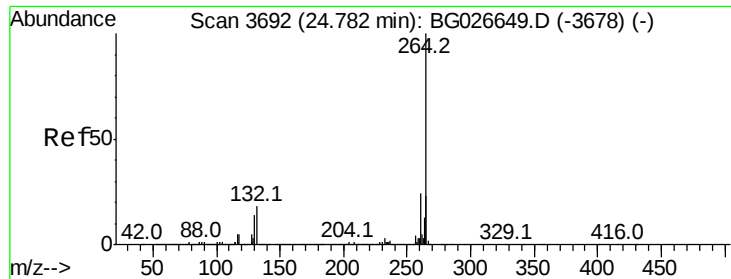


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.79 min Scan# 3693
 Delta R.T. -0.04 min
 Lab File: BG026696.D
 Acq: 21 Apr 2017 21:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 1299751
 Ion Ratio Lower Upper
 264 100
 260 24.2 21.8 32.8
 265 21.7 18.2 27.4

