

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\
 Data File : BG026691.D
 Acq On : 21 Apr 2017 18:11
 Operator : SJ/MA
 Sample : I2782-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 22 03:57:34 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

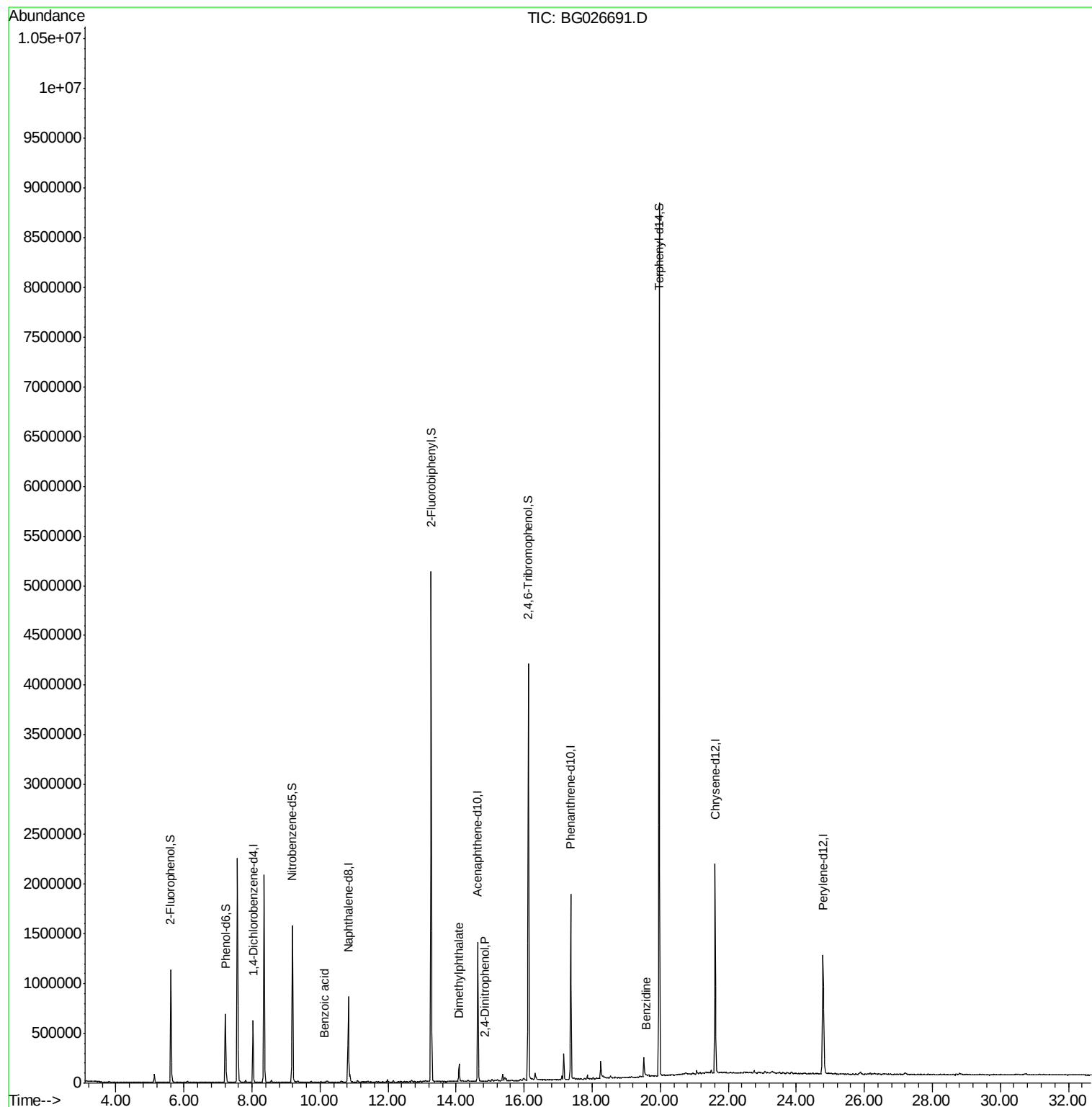
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	197771	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	832098	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	491320	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1213851	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	1342693	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1275675	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	619015	56.90	ng	0.00
7) Phenol-d6	7.22	99	522255	36.63	ng	0.01
23) Nitrobenzene-d5	9.19	82	1027068	86.13	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	911124	133.09	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2797501	84.80	ng	-0.02
78) Terphenyl-d14	19.97	244	3769697	82.89	ng	-0.02
Target Compounds						
32) Benzoic acid	10.13	122	77	9.02	ng	# 1
49) Dimethylphthalate	14.09	163	134098	3.45	ng	98
53) 2,4-Dinitrophenol	14.84	184	66	8.76	ng	# 44
76) Benzidine	19.59	184	798	3.73	ng	# 1

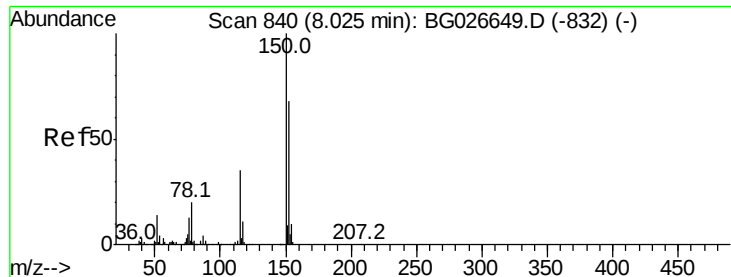
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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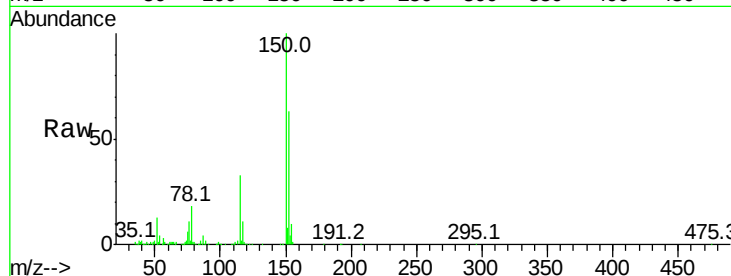


#1

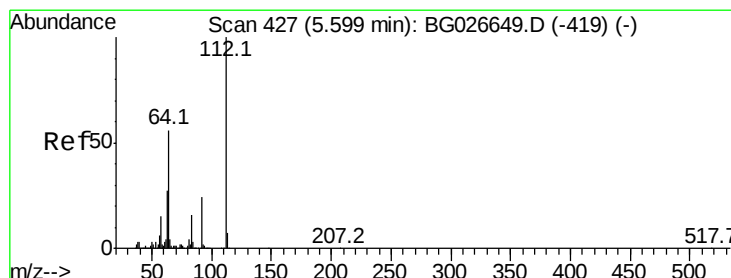
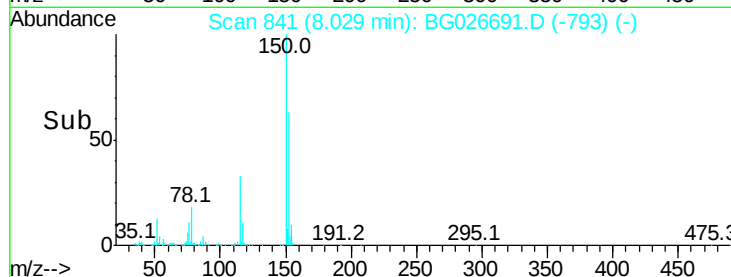
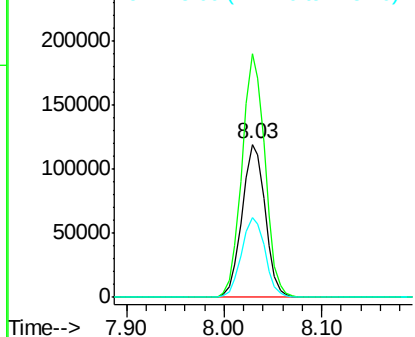
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 197771
Ion Ratio Lower Upper
152 100
150 159.0 114.0 171.0
115 52.0 48.1 72.1



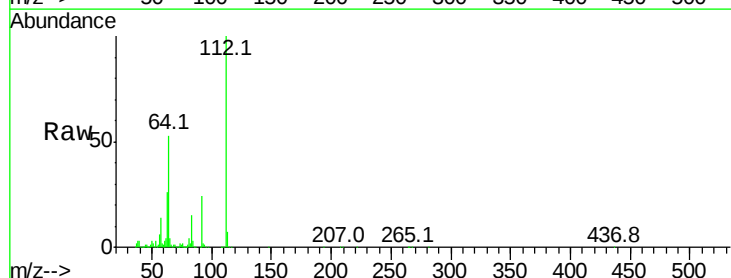
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



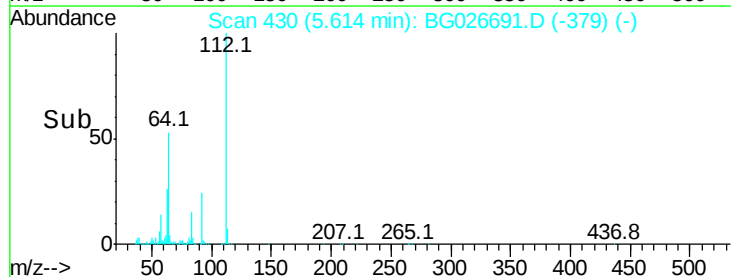
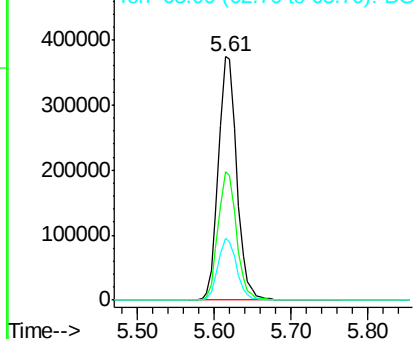
#5

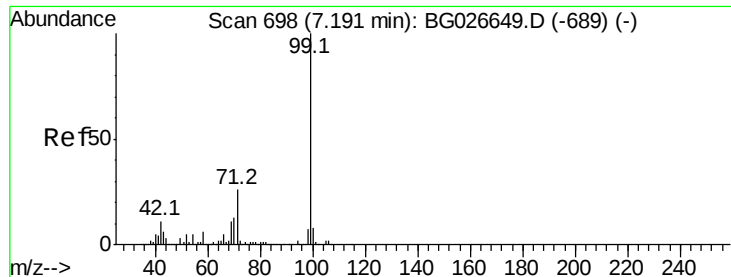
2-Fluorophenol
Concen: 56.90 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

Tgt Ion:112 Resp: 619015
Ion Ratio Lower Upper
112 100
64 52.6 61.8 92.6#
63 25.6 37.2 55.8#



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





#7

Phenol-d6

Concen: 36.63 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

Instrument :

BNA_G

ClientSampleId :

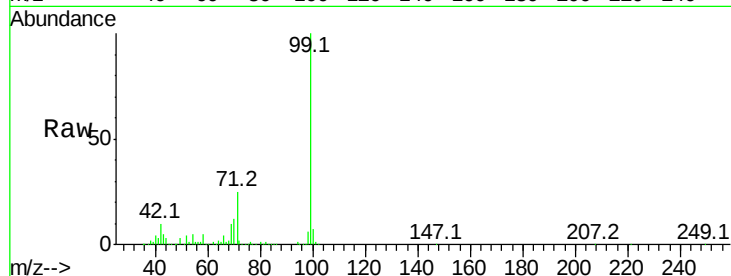
Tot Ion: 99 Resp: 522255

Ion Ratio Lower Upper

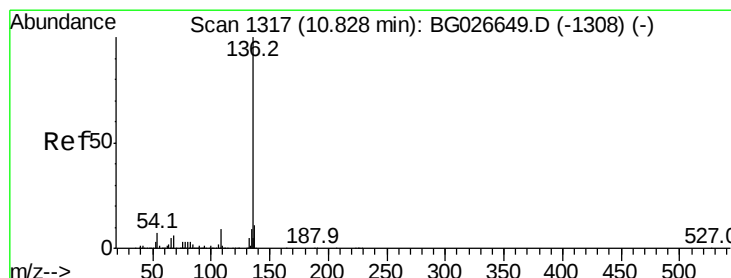
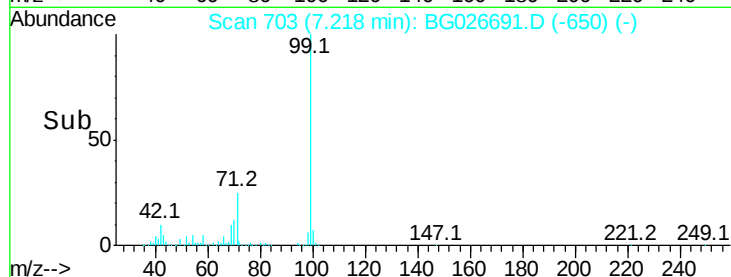
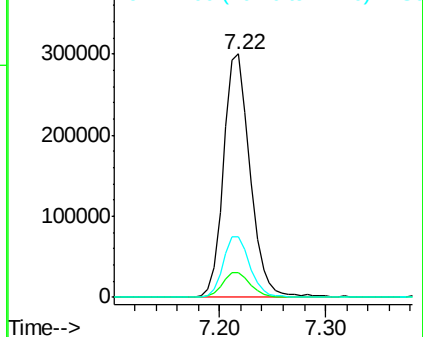
99 100

42 10.1 20.5 30.7#

71 24.8 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# 1318

Delta R.T. -0.02 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

Tgt Ion: 136 Resp: 832098

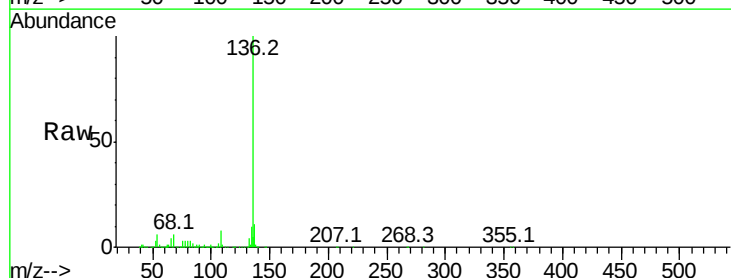
Ion Ratio Lower Upper

136 100

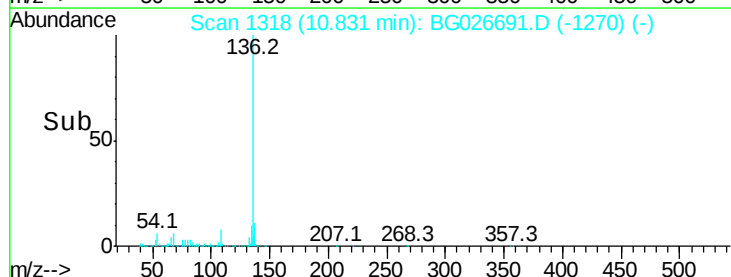
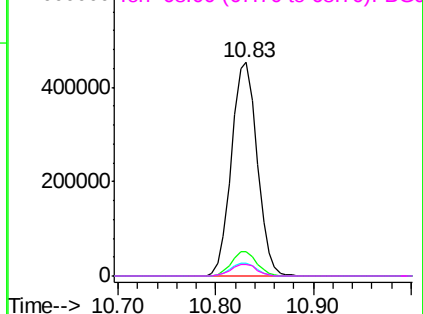
137 11.3 8.9 13.3

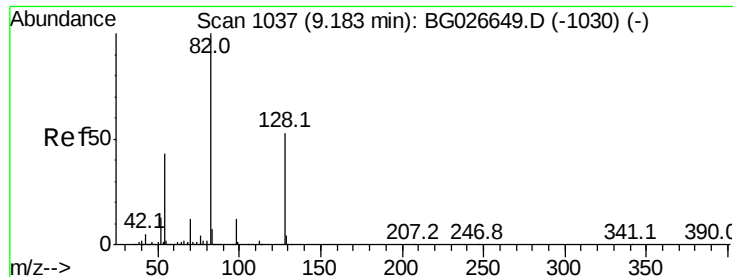
54 6.3 9.3 13.9#

68 5.6 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

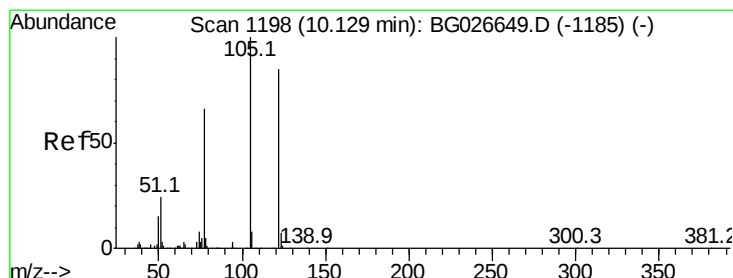
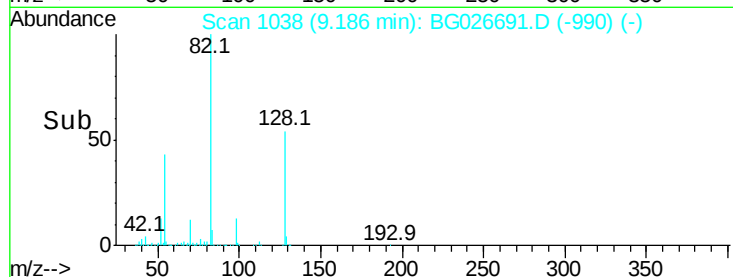
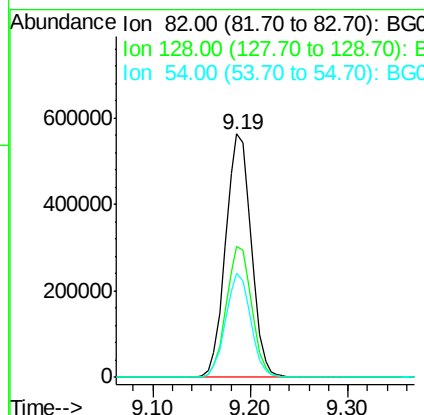
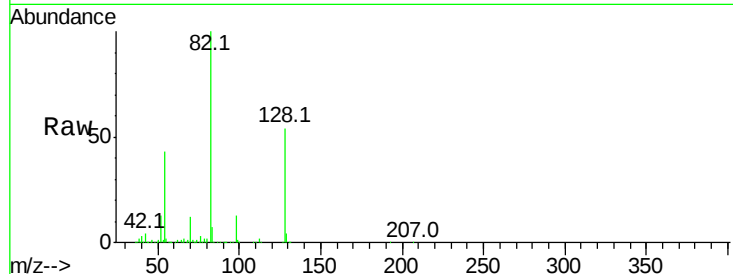




#23
 Nitrobenzene-d5
 Concen: 86.13 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BG026691.D
 Acq: 21 Apr 2017 18:11

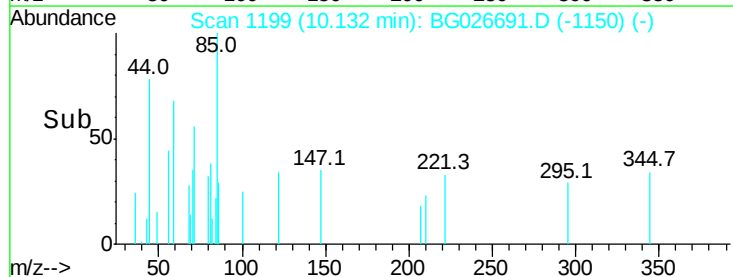
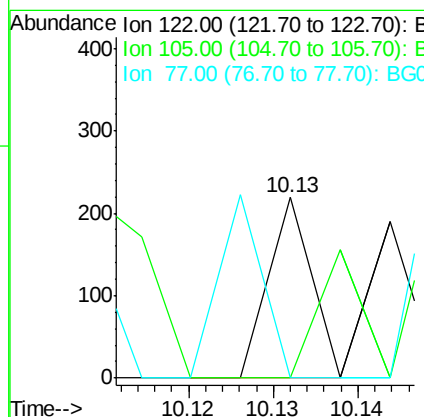
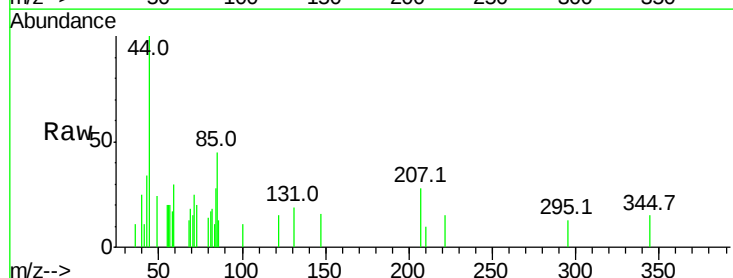
Instrument :
 BNA_G
 ClientSampleId :

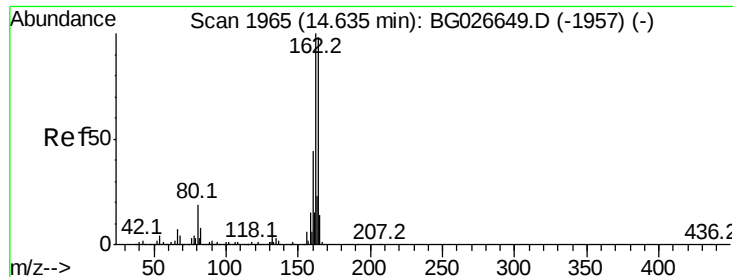
Tot Ion: 82 Resp: 1027068
 Ion Ratio Lower Upper
 82 100
 128 54.0 26.4 39.6#
 54 42.6 49.4 74.2#



#32
 Benzoic acid
 Concen: 9.02 ng
 RT: 10.13 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BG026691.D
 Acq: 21 Apr 2017 18:11

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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

Instrument :

BNA_G

ClientSampleId :

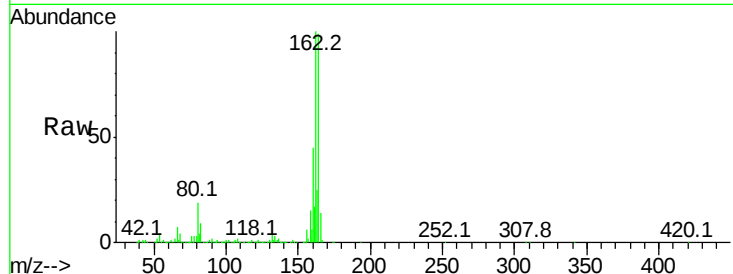
Tot Ion:164 Resp: 491320

Ion Ratio Lower Upper

164 100

162 101.2 85.1 127.7

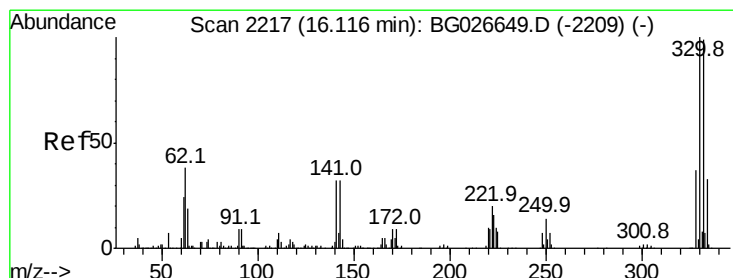
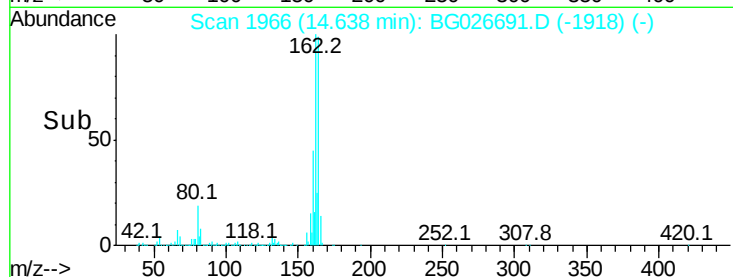
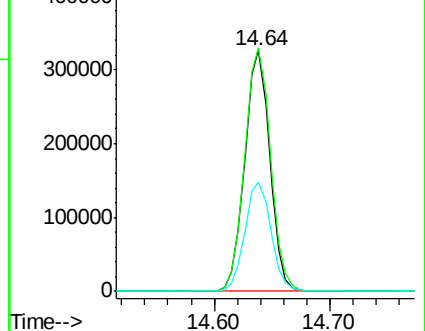
160 45.3 34.7 52.1



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: 133.09 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

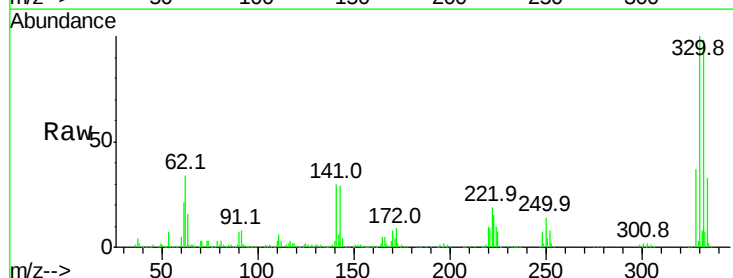
Tgt Ion:330 Resp: 911124

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

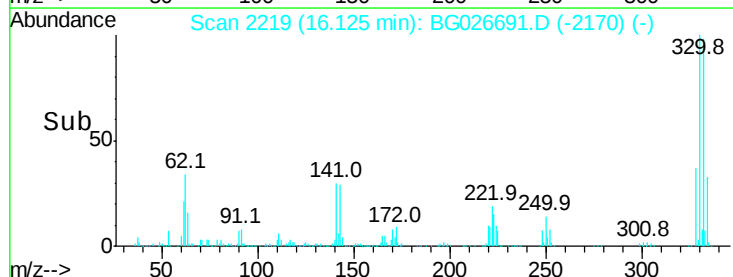
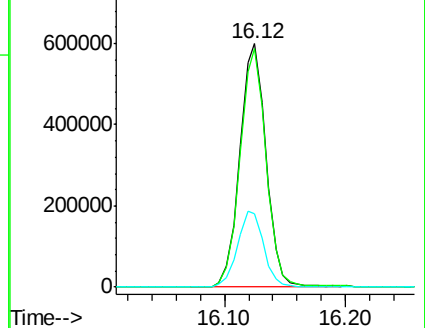
141 31.2 32.1 48.1#

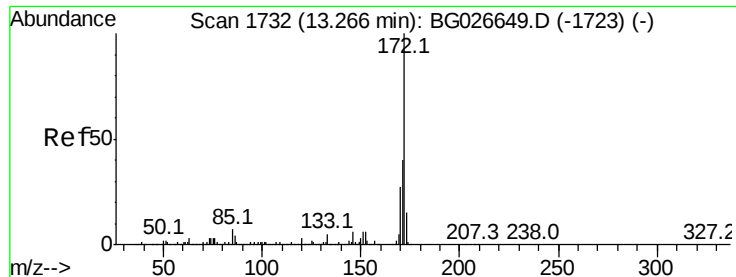


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

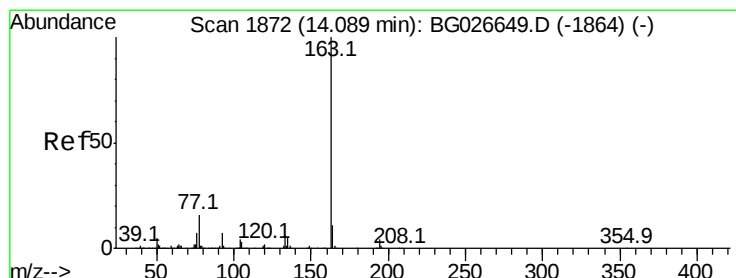
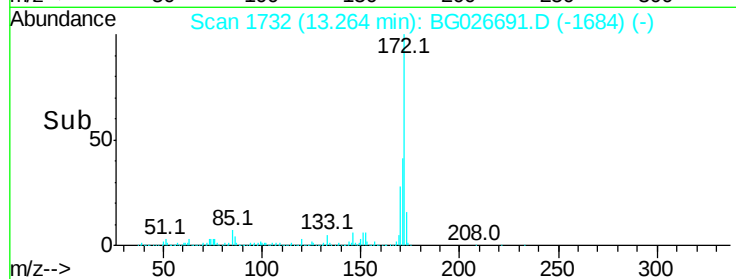
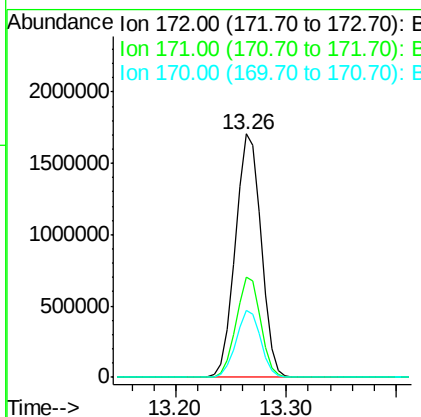
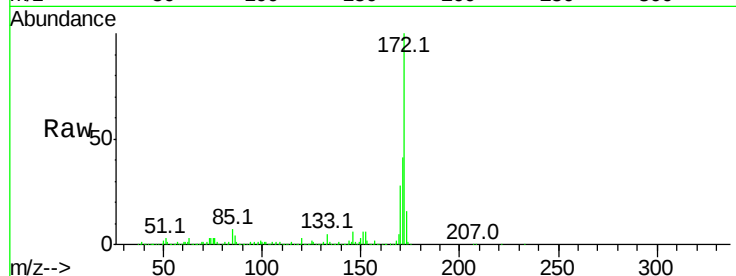




#44
2-Fluorobiphenyl
Concen: 84.80 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.02 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

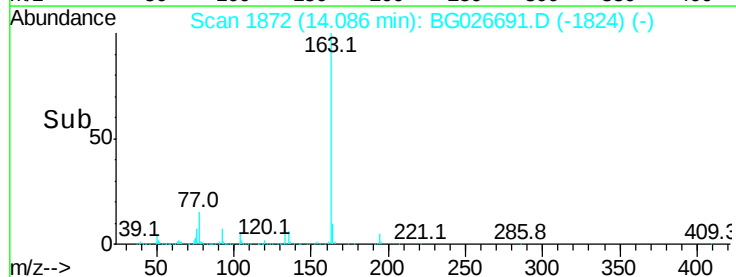
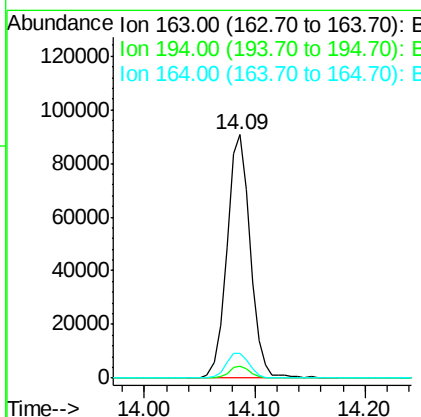
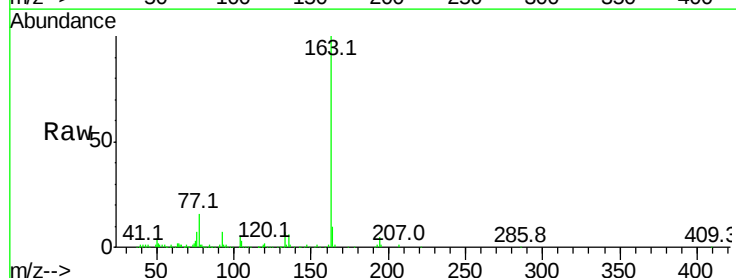
Instrument :
BNA_G
ClientSampleId :

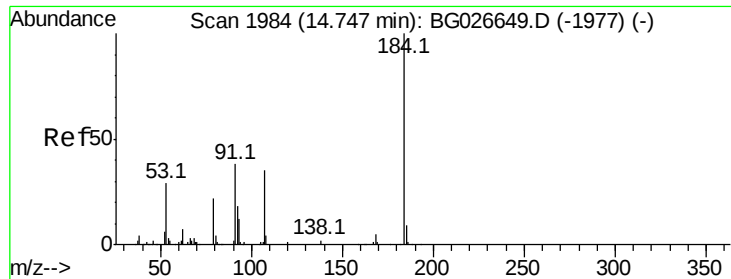
Tot Ion:172 Resp: 2797501
Ion Ratio Lower Upper
172 100
171 41.4 32.2 48.2
170 27.6 21.8 32.6



#49
Dimethylphthalate
Concen: 3.45 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

Tgt Ion:163 Resp: 134098
Ion Ratio Lower Upper
163 100
194 4.9 3.8 5.6
164 10.4 9.3 13.9

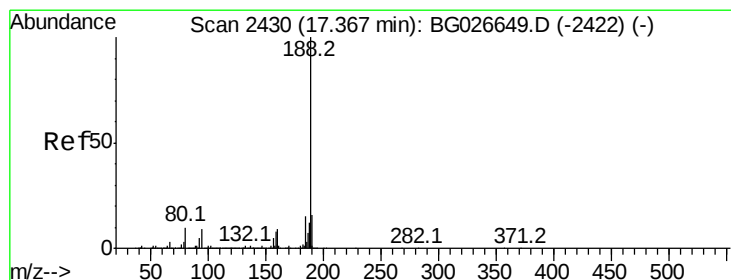
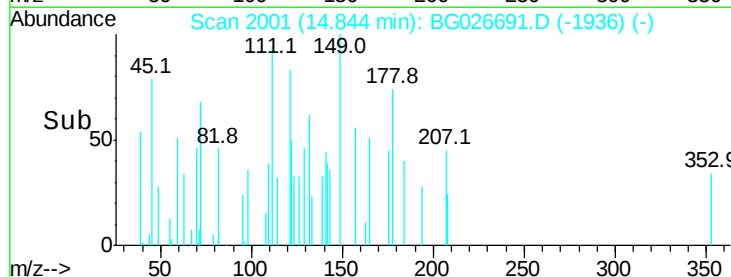
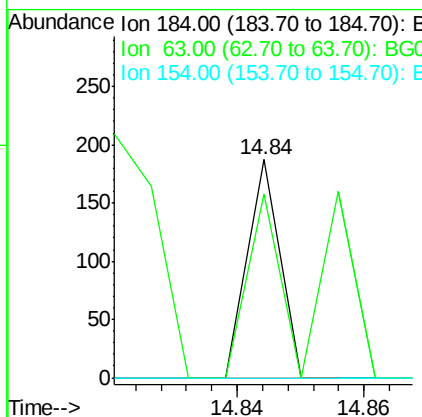
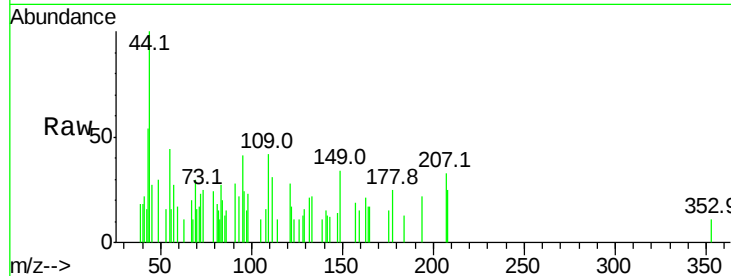




#53
2,4-Dinitrophenol
Concen: 8.76 ng
RT: 14.84 min Scan# 2001
Delta R.T. 0.08 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

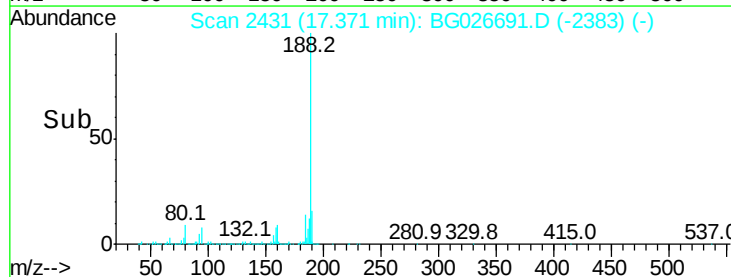
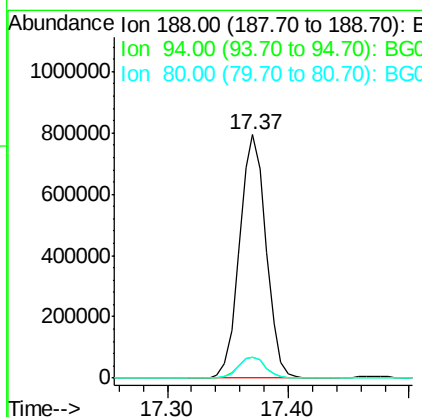
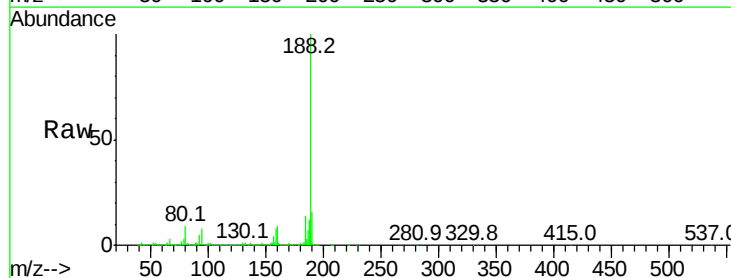
Instrument :
BNA_G
ClientSampled :

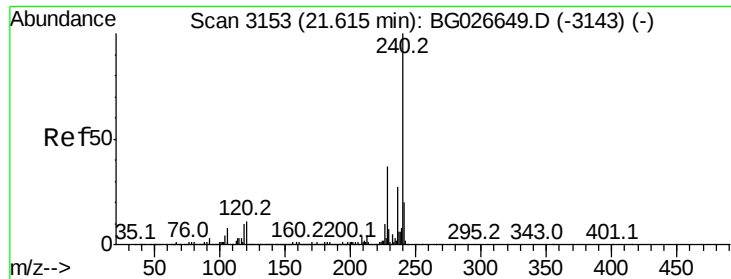
Tot Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 84.5 52.7 79.1#
154 0.0 57.3 85.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026691.D
Acq: 21 Apr 2017 18:11

Tgt Ion:188 Resp: 1213851
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.8
80 8.7 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

Instrument :

BNA_G

ClientSampleId :

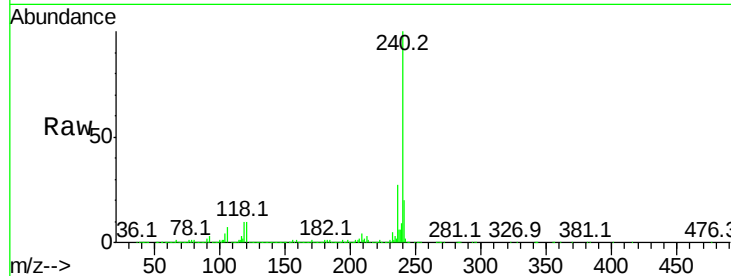
Tot Ion:240 Resp: 1342693

Ion Ratio Lower Upper

240 100

120 10.3 5.7 8.5#

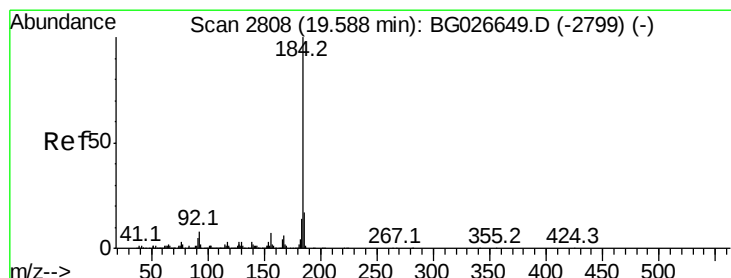
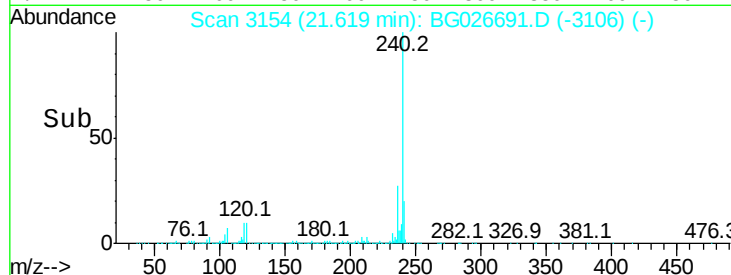
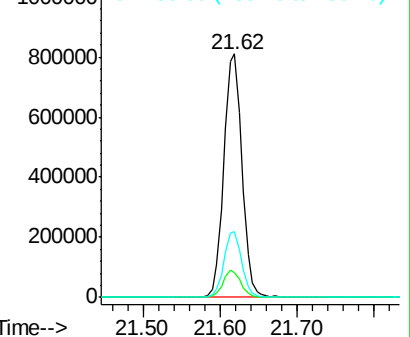
236 27.1 22.2 33.4



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: 19.59 min Scan# 2808

Delta R.T. -0.02 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

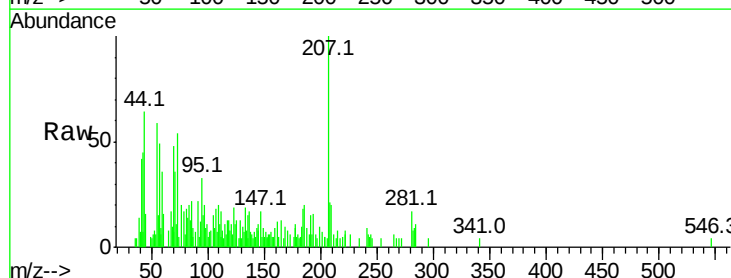
Tgt Ion:184 Resp: 798

Ion Ratio Lower Upper

184 100

185 110.0 13.0 19.6#

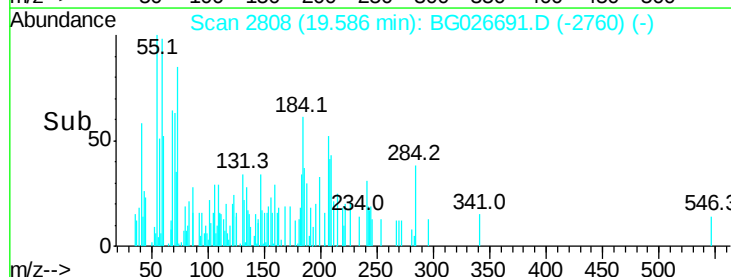
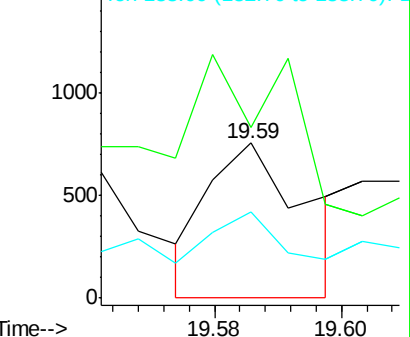
183 55.8 11.0 16.6#

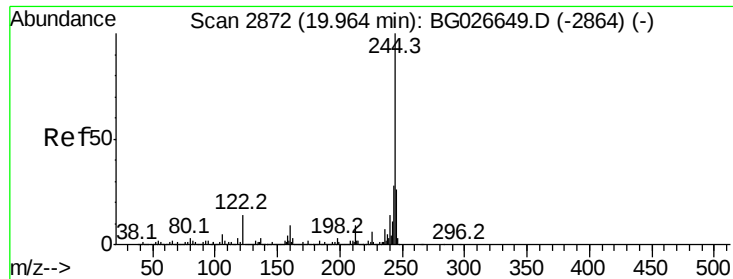


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.89 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

Instrument :

BNA_G

ClientSampleId :

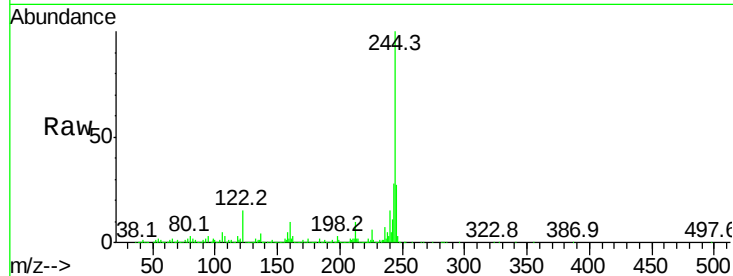
Tot Ion:244 Resp: 3769697

Ion Ratio Lower Upper

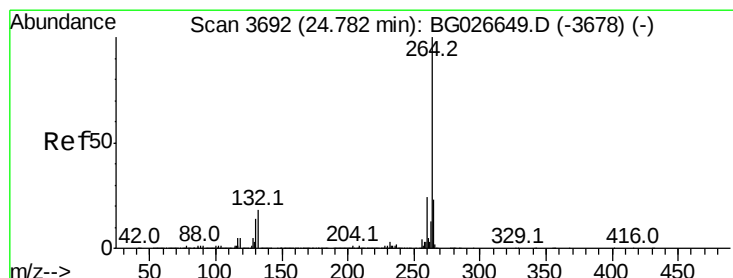
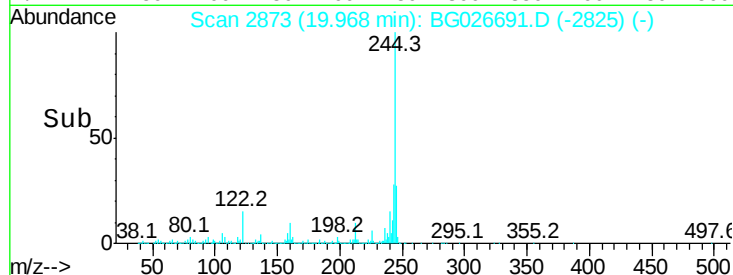
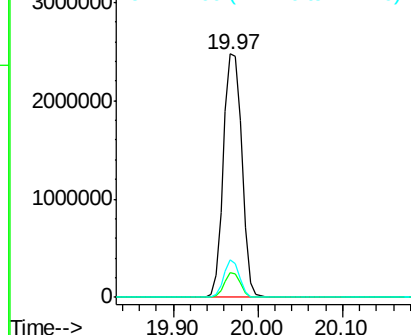
244 100

212 10.0 10.0 15.0#

122 15.2 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

Perylene-d12

Concen: 20.00 ng

RT: 24.79 min Scan# 3693

Delta R.T. -0.04 min

Lab File: BG026691.D

Acq: 21 Apr 2017 18:11

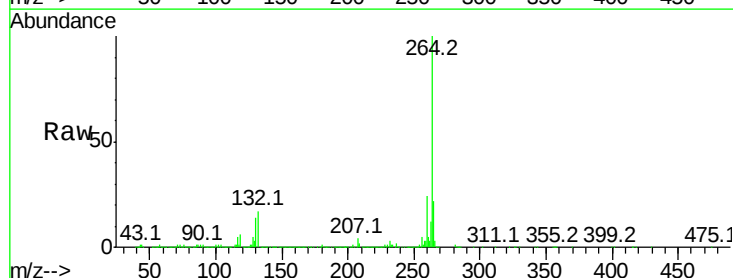
Tgt Ion:264 Resp: 1275675

Ion Ratio Lower Upper

264 100

260 24.3 21.8 32.8

265 22.2 18.2 27.4



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

