

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\
 Data File : BG026675.D
 Acq On : 20 Apr 2017 4:08
 Operator : SJ/MA
 Sample : I2752-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 06:47:53 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

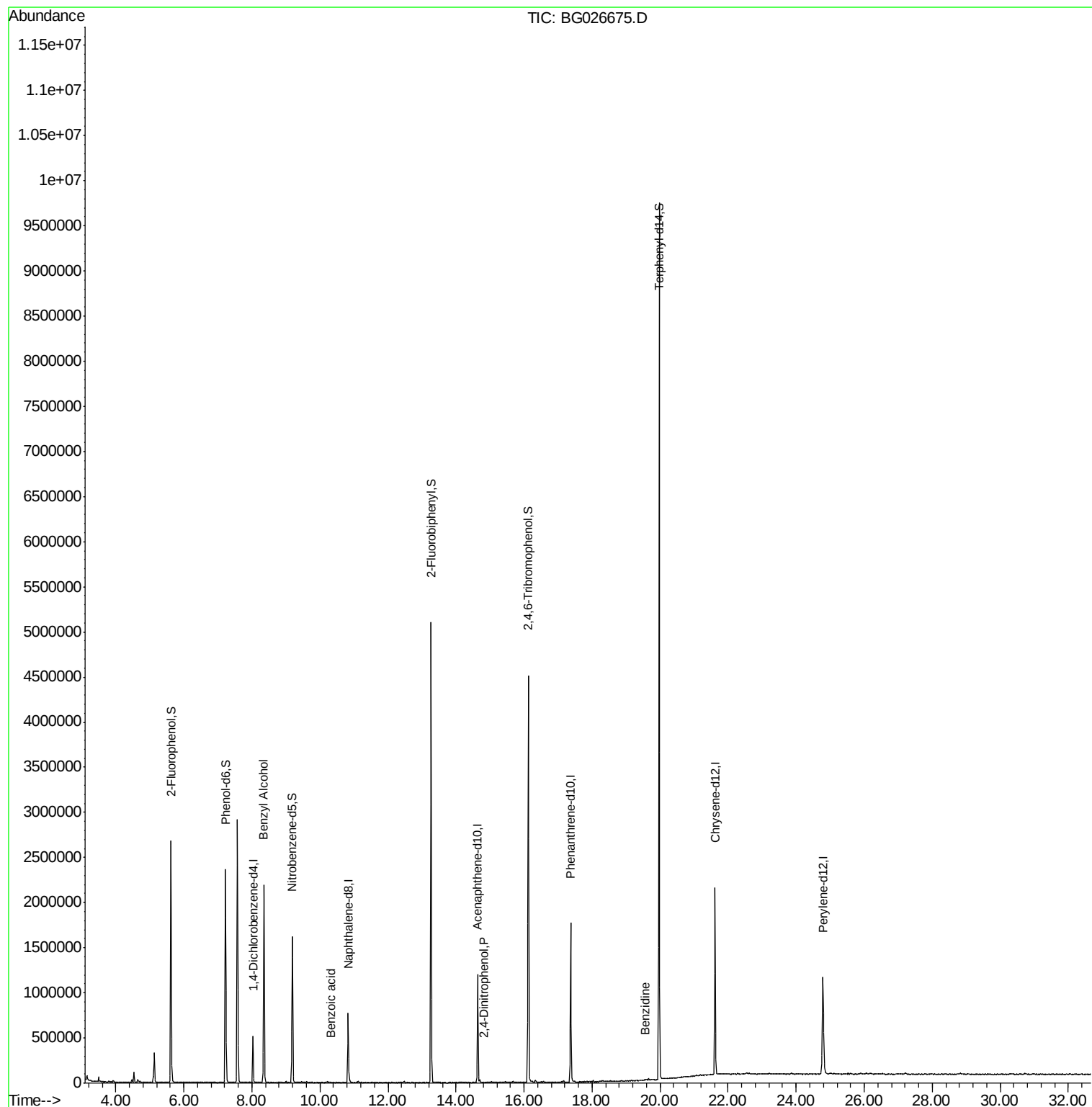
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	169431	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	728351	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	445145	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1178679	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	1255889	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1162095	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1421892	152.56	ng	0.00
7) Phenol-d6	7.22	99	1776897	145.49	ng	0.01
23) Nitrobenzene-d5	9.19	82	1029007	98.58	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	944392	152.26	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	2775154	92.85	ng	-0.02
78) Terphenyl-d14	19.97	244	3840107	90.27	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.35	79	16148	2.11	ng	# 55
32) Benzoic acid	10.32	122	77	9.02	ng	# 30
53) 2,4-Dinitrophenol	14.81	184	54	8.76	ng	# 15
76) Benzidine	19.57	184	148	3.72	ng	# 1

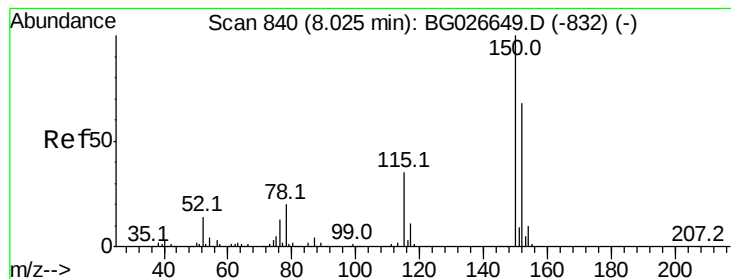
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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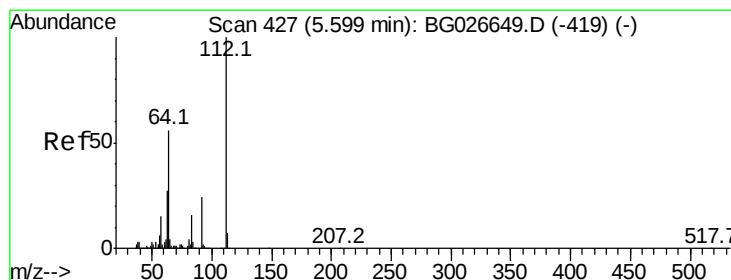
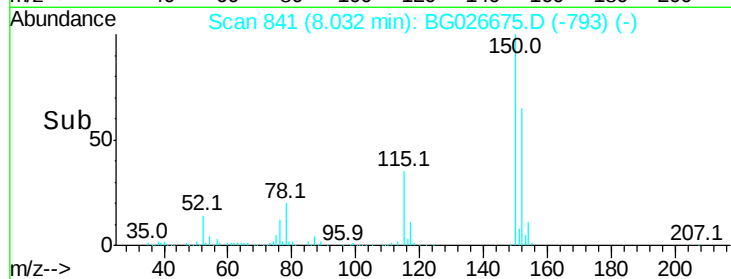
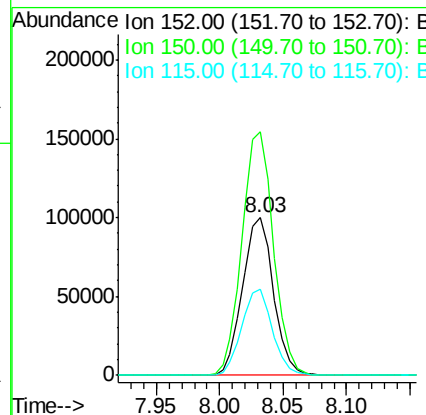
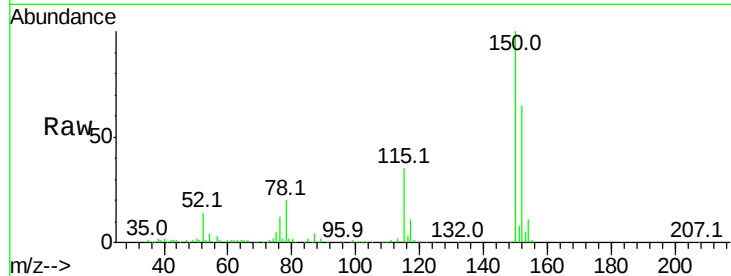


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

Instrument :
BNA_G
ClientSampleId :

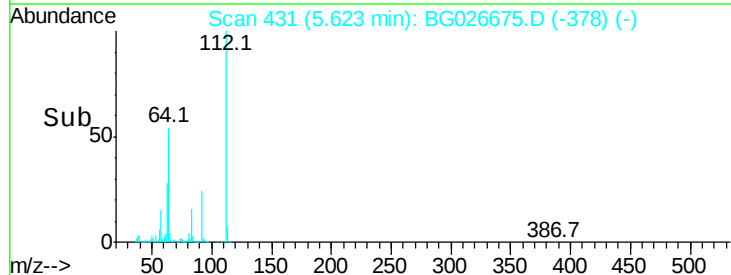
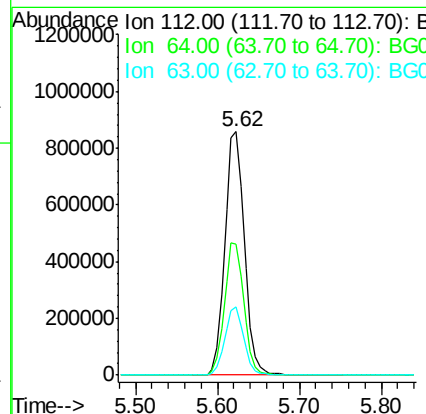
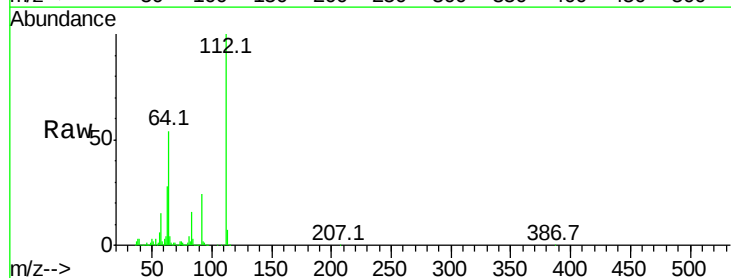
Tot Ion:152 Resp: 169431
Ion Ratio Lower Upper
152 100
150 154.3 114.0 171.0
115 54.4 48.1 72.1

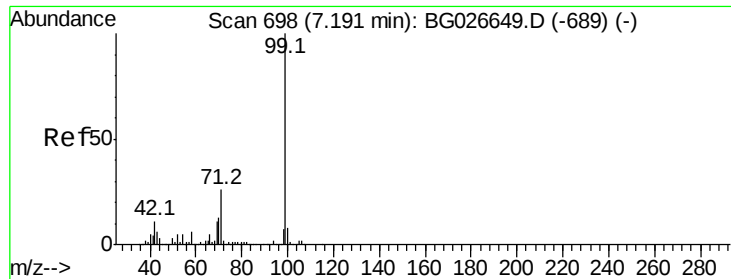


#5

2-Fluorophenol
Concen: 152.56 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

Tgt Ion:112 Resp: 1421892
Ion Ratio Lower Upper
112 100
64 53.7 61.8 92.6#
63 27.9 37.2 55.8#





#7

Phenol-d6

Concen: 145.49 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

Instrument :

BNA_G

ClientSampleId :

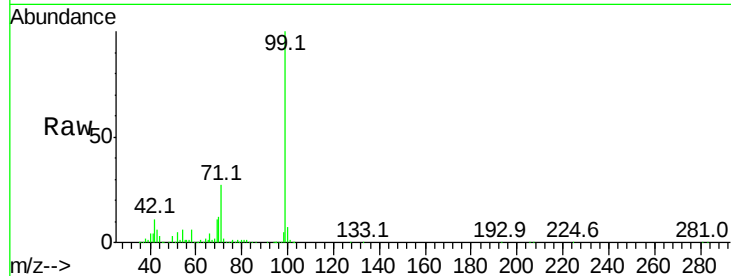
Tot Ion: 99 Resp: 1776897

Ion Ratio Lower Upper

99 100

42 11.0 20.5 30.7#

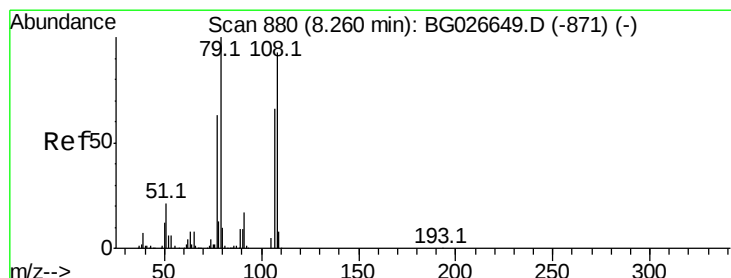
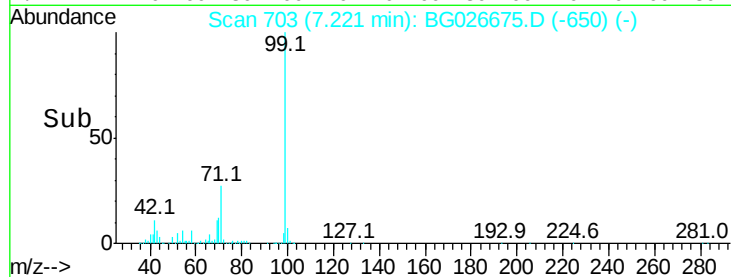
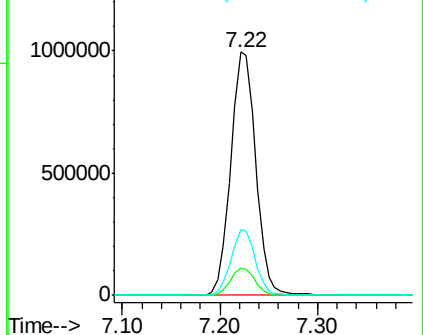
71 26.9 37.6 56.4#



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



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

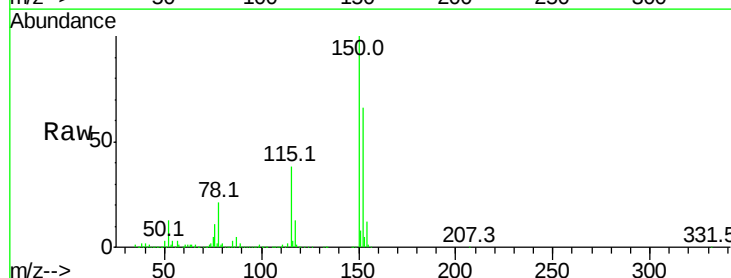
Tgt Ion: 79 Resp: 16148

Ion Ratio Lower Upper

79 100

108 30.1 45.5 68.3#

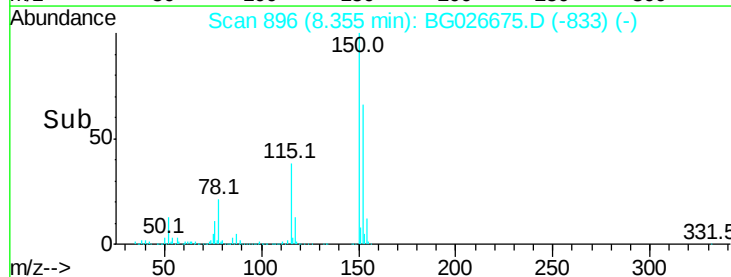
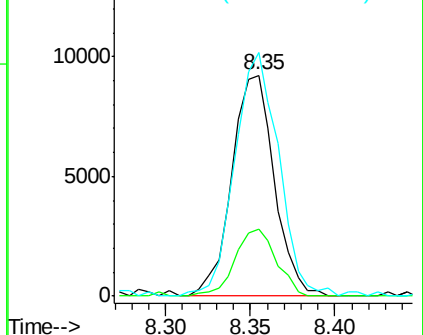
77 110.3 54.3 81.5#

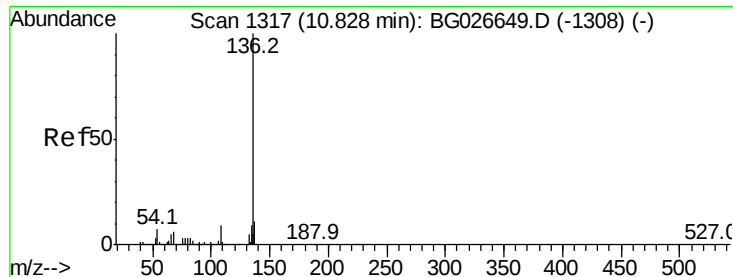


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

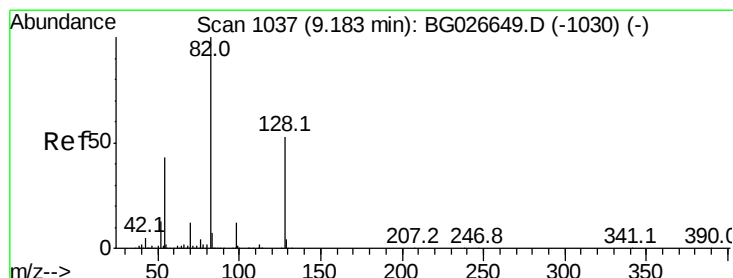
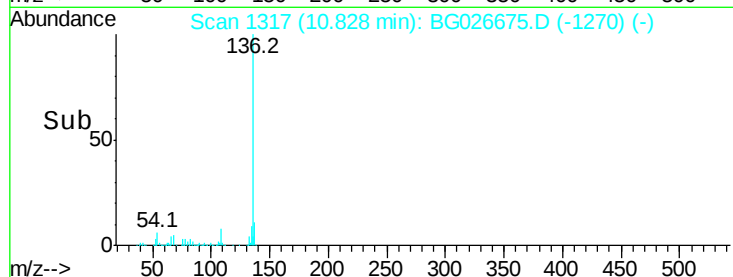
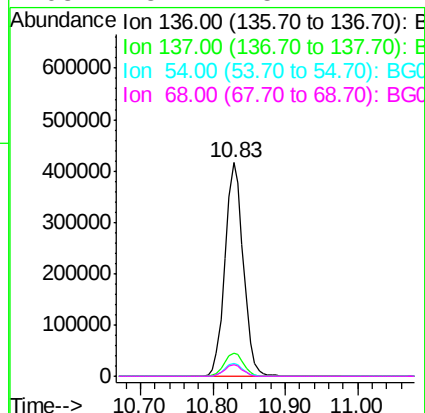
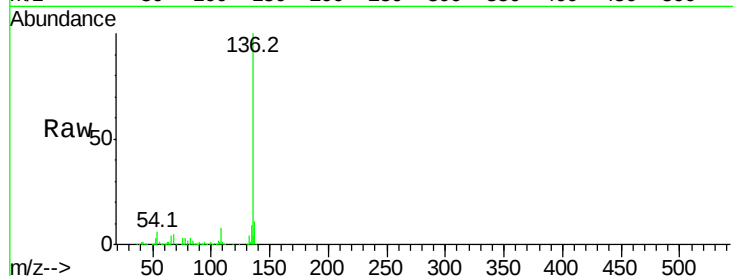




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

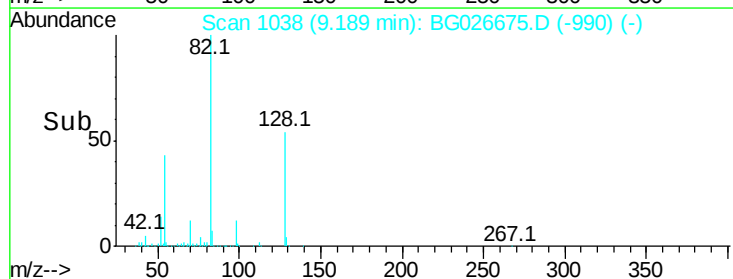
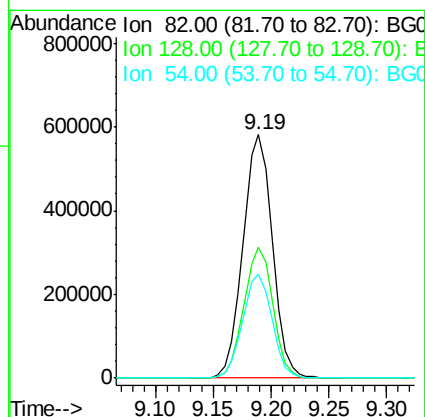
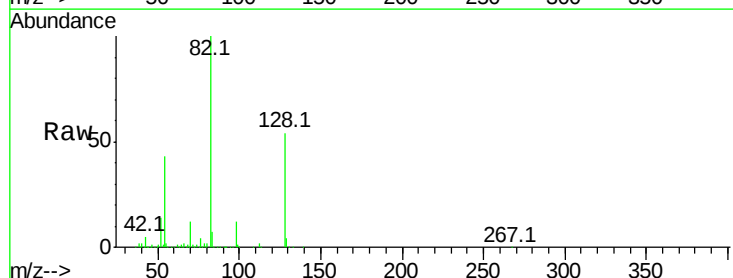
Instrument :
BNA_G
ClientSampleId :

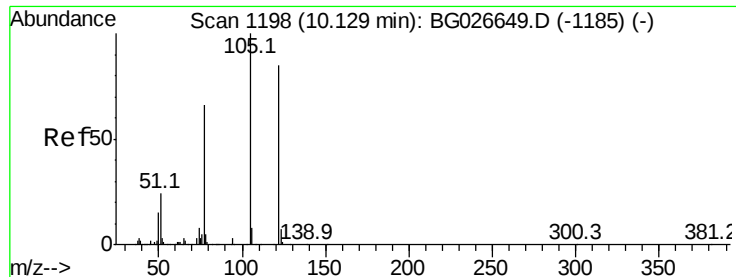
Tot Ion:136	Resp:	728351
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.2	9.3 13.9#
68	5.2	5.1 7.7



#23
Nitrobenzene-d5
Concen: 98.58 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

Tgt Ion: 82	Resp:	1029007
Ion Ratio	Lower	Upper
82	100	
128	53.9	26.4 39.6#
54	42.9	49.4 74.2#





#32

Benzoic acid

Concen: 9.02 ng

RT: 10.32 min Scan# 1231

Delta R.T. 0.18 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

Instrument :

BNA_G

ClientSampleId :

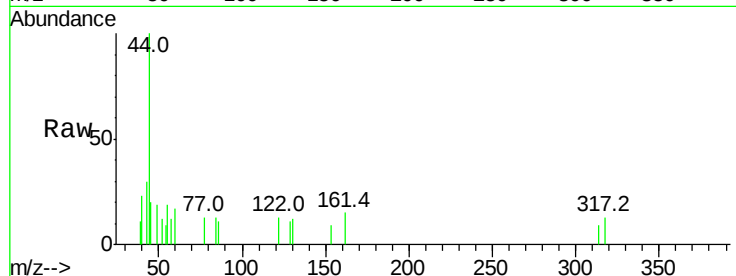
Tot Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

77 102.7 104.6 144.6#



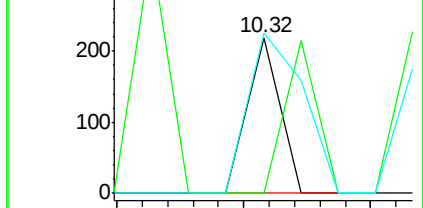
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

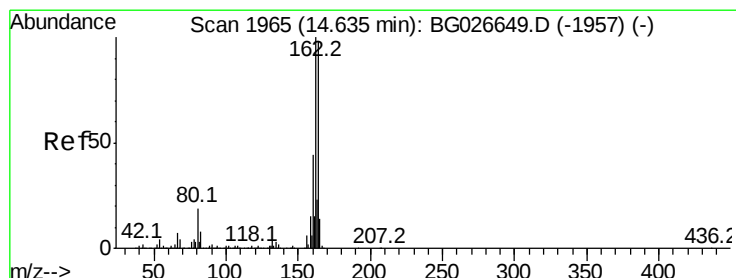
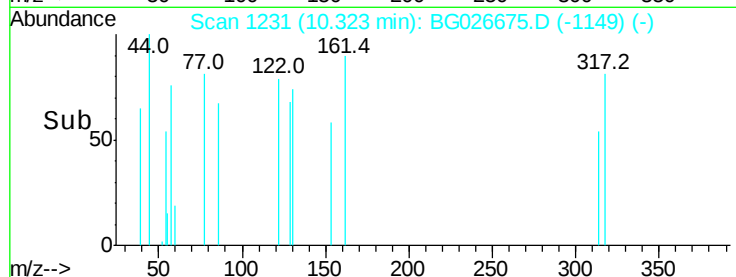
Ion 77.00 (76.70 to 77.70): B

10.32

10.34



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

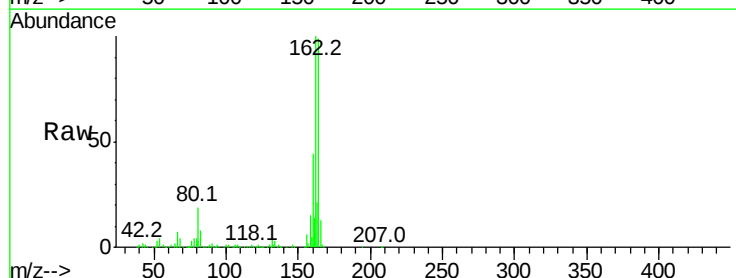
Tgt Ion:164 Resp: 445145

Ion Ratio Lower Upper

164 100

162 101.0 85.1 127.7

160 44.4 34.7 52.1



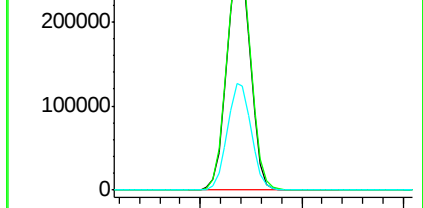
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

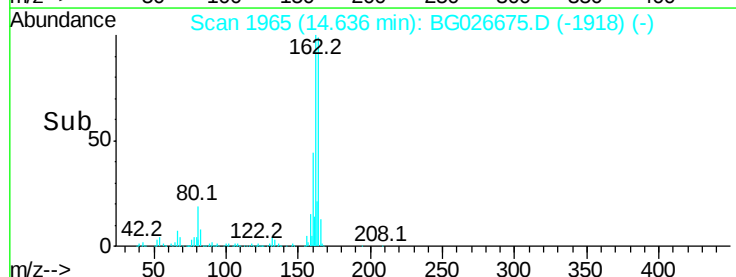
Ion 160.00 (159.70 to 160.70): E

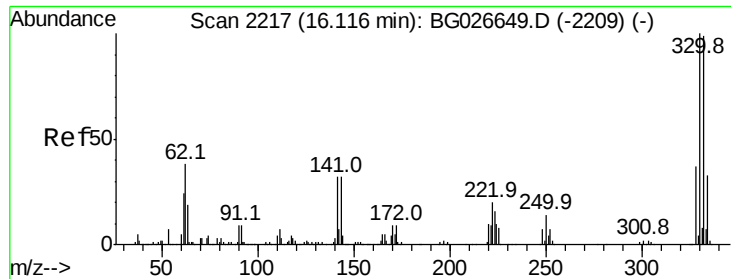
14.64

14.70



Time-->

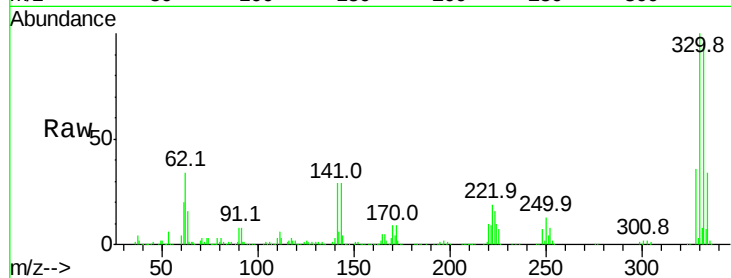




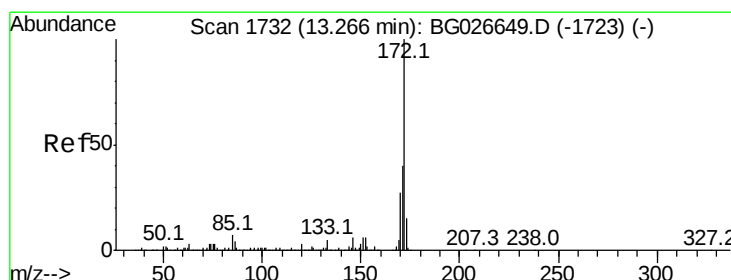
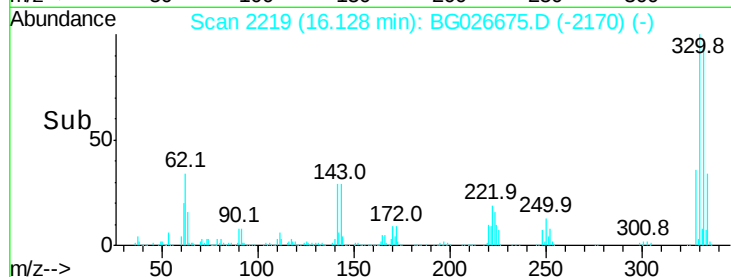
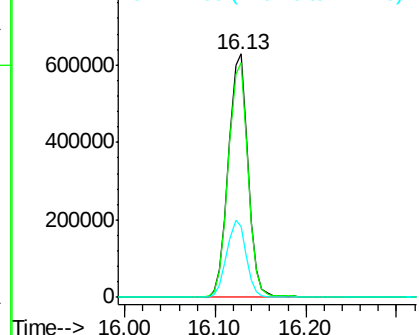
#41
 2,4,6-Tribromophenol
 Concen: 152.26 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG026675.D
 Acq: 20 Apr 2017 4:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 944392
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 31.4 32.1 48.1#

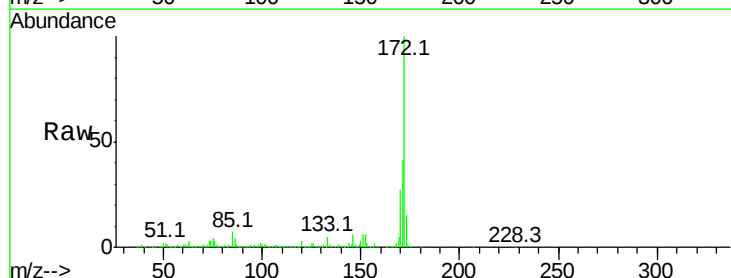


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

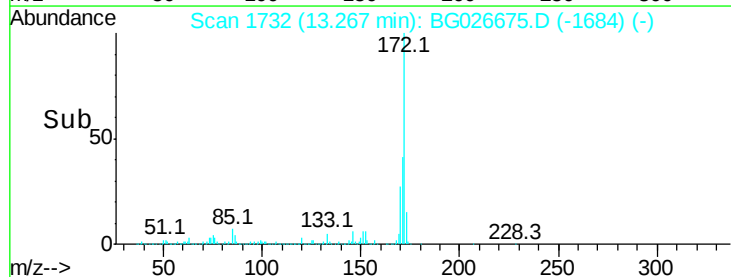
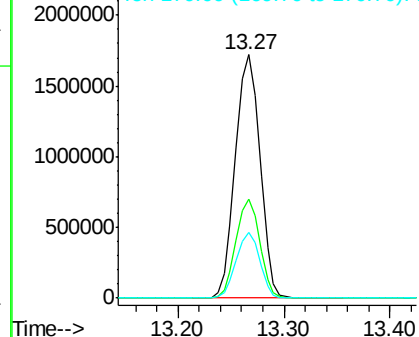


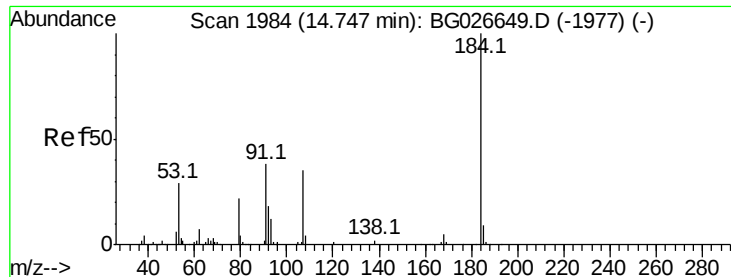
#44
 2-Fluorobiphenyl
 Concen: 92.85 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: BG026675.D
 Acq: 20 Apr 2017 4:08

Tgt Ion:172 Resp: 2775154
 Ion Ratio Lower Upper
 172 100
 171 40.7 32.2 48.2
 170 27.1 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

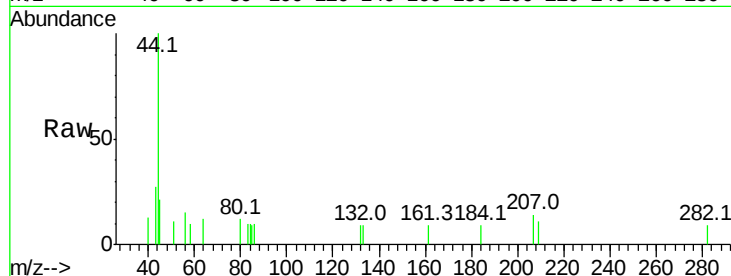




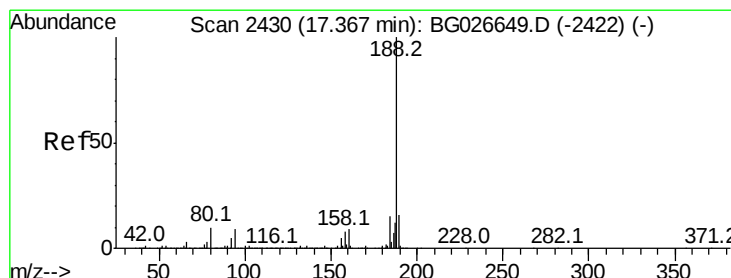
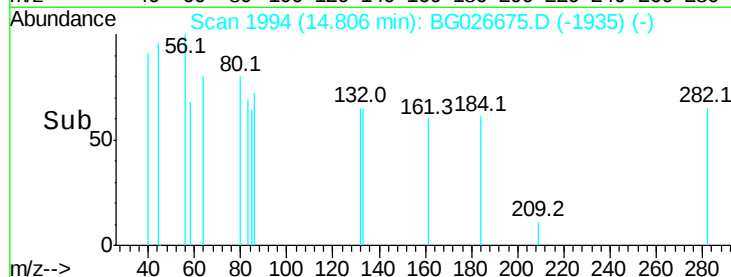
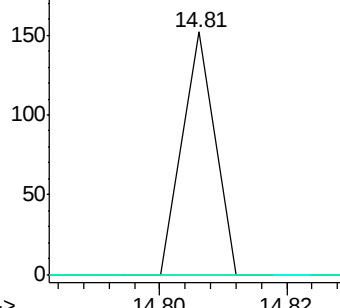
#53
2,4-Dinitrophenol
Concen: 8.76 ng
RT: 14.81 min Scan# 1994
Delta R.T. 0.04 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 131.6 52.7 79.1#
154 0.0 57.3 85.9#

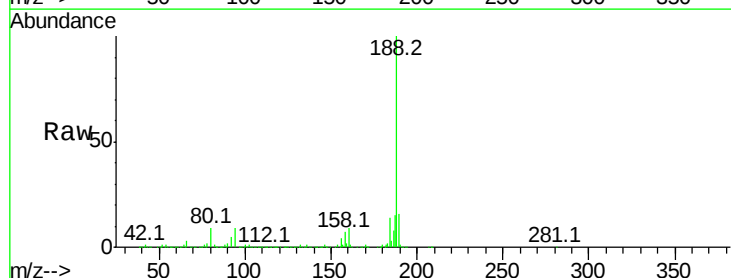


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

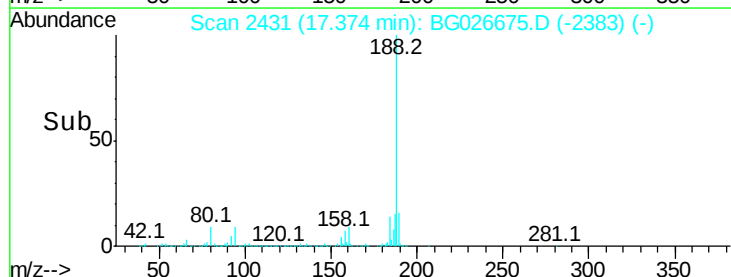
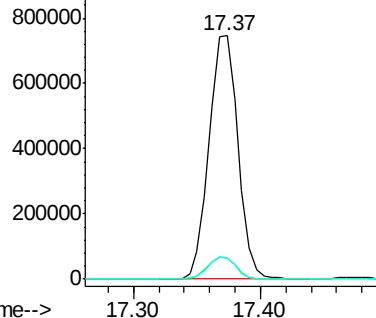


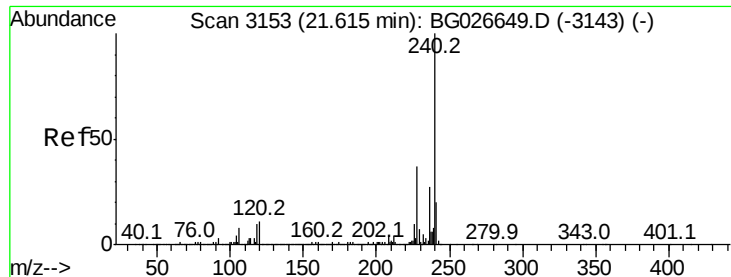
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026675.D
Acq: 20 Apr 2017 4:08

Tgt Ion:188 Resp: 1178679
Ion Ratio Lower Upper
188 100
94 8.5 5.8 8.8
80 8.6 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: 21.62 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

Instrument :

BNA_G

ClientSampled :

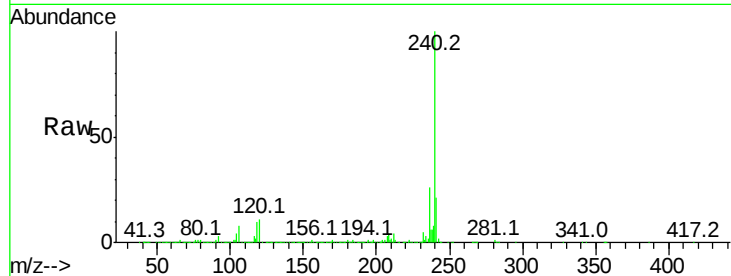
Tot Ion:240 Resp: 1255889

Ion Ratio Lower Upper

240 100

120 11.1 5.7 8.5#

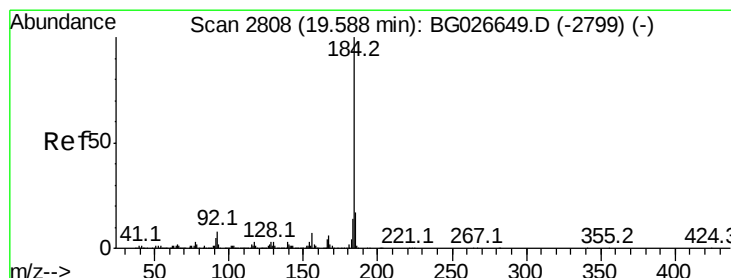
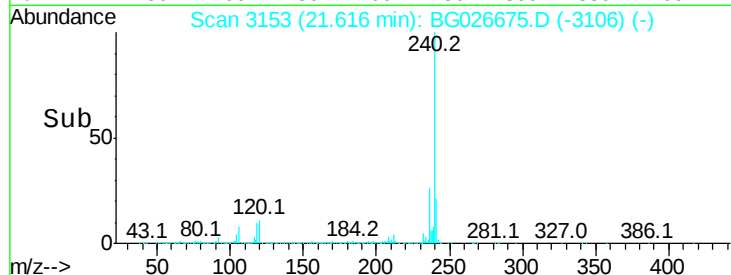
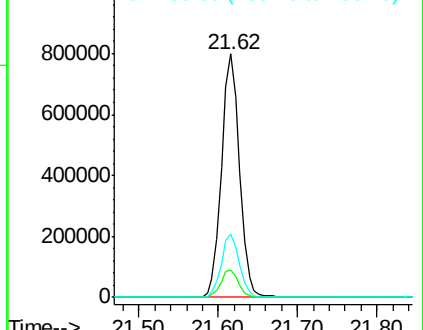
236 26.2 22.2 33.4



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: 3.72 ng

RT: 19.57 min Scan# 2804

Delta R.T. -0.04 min

Lab File: BG026675.D

Acq: 20 Apr 2017 4:08

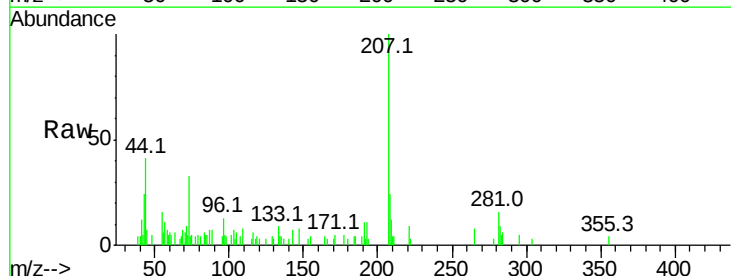
Tgt Ion:184 Resp: 148

Ion Ratio Lower Upper

184 100

185 97.0 13.0 19.6#

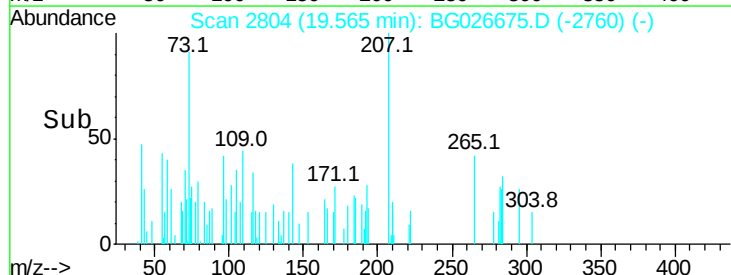
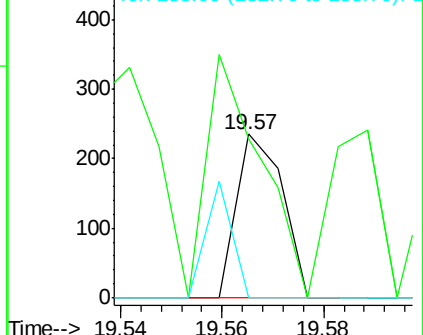
183 0.0 11.0 16.6#

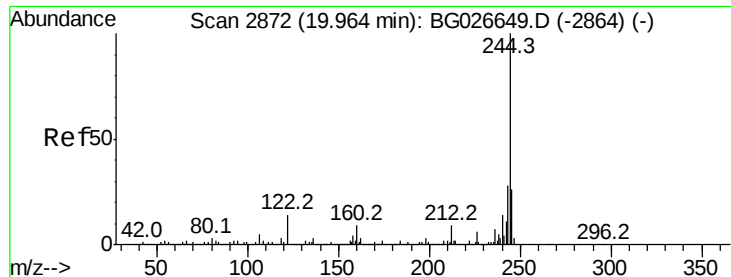


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



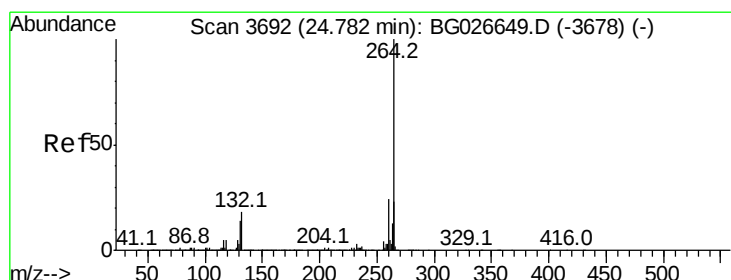
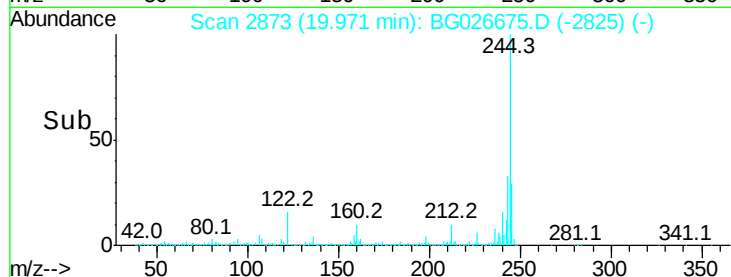
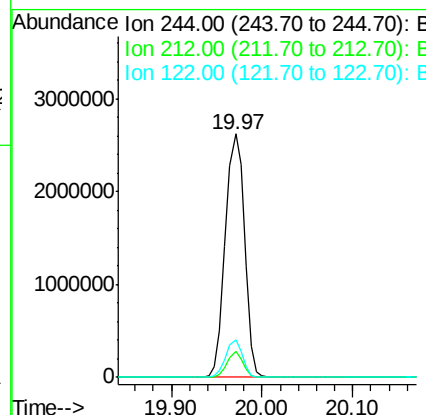
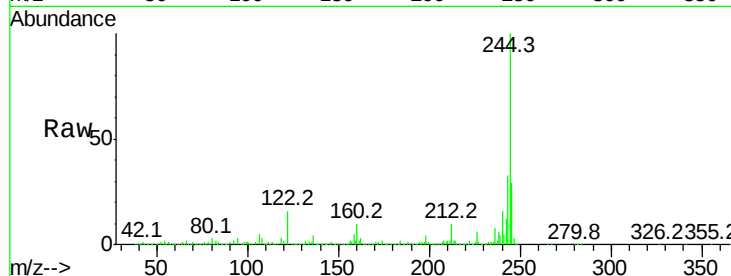


#78
 Terphenyl-d14
 Concen: 90.27 ng
 RT: 19.97 min Scan# 2873
 Delta R.T. -0.02 min
 Lab File: BG026675.D
 Acq: 20 Apr 2017 4:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 3840107

Ion	Ratio	Lower	Upper
244	100		
212	10.5	10.0	15.0
122	15.5	8.6	12.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.79 min Scan# 3693
 Delta R.T. -0.03 min
 Lab File: BG026675.D
 Acq: 20 Apr 2017 4:08

Tgt Ion:264 Resp: 1162095

Ion	Ratio	Lower	Upper
264	100		
260	23.8	21.8	32.8
265	23.1	18.2	27.4

