

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042017\
 Data File : BG026684.D
 Acq On : 20 Apr 2017 20:49
 Operator : SJ/MA
 Sample : I2778-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 21 04:05:10 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

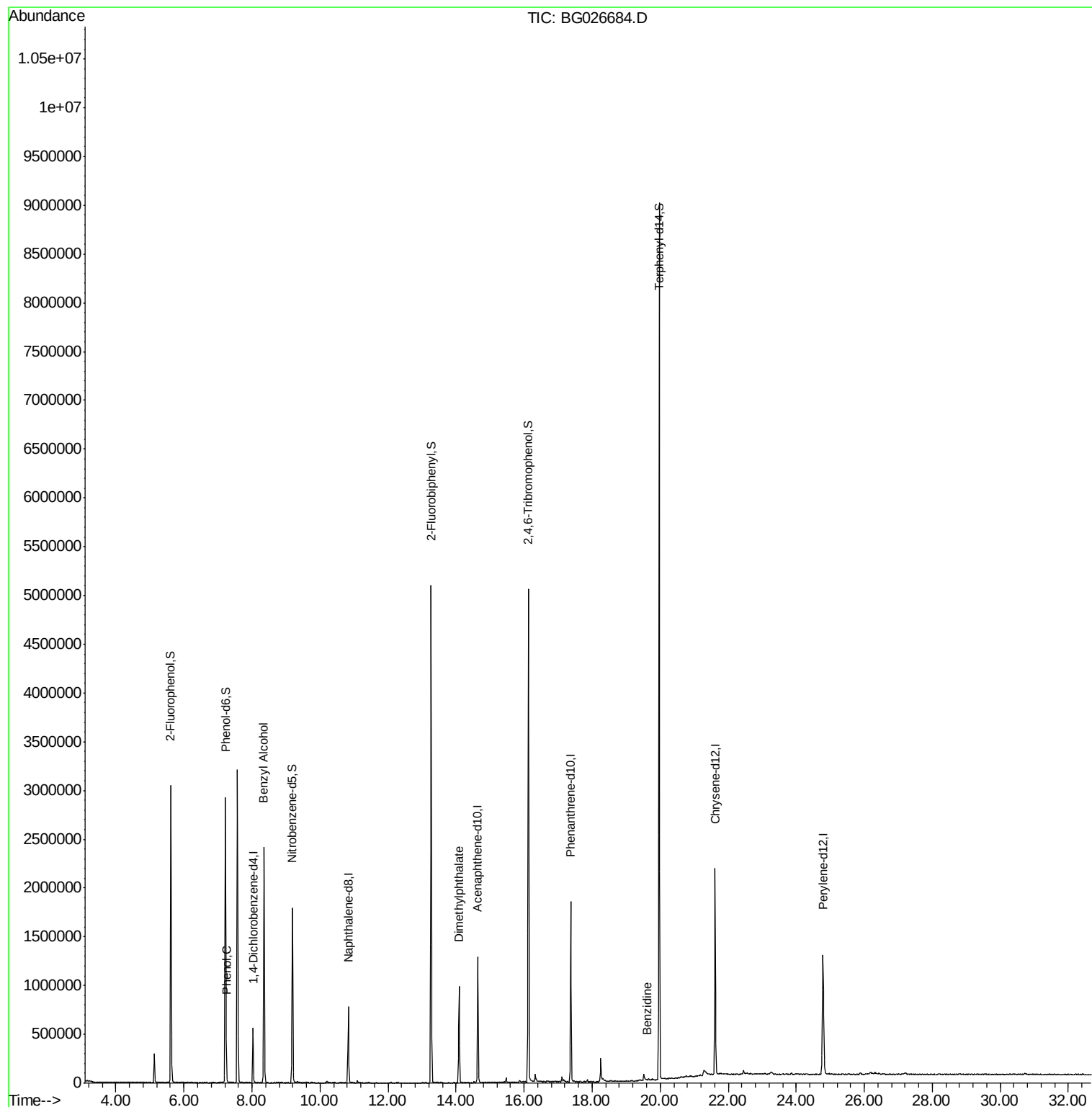
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	181851	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	759622	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	467220	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1236697	20.00	ng	-0.02
75) Chrysene-d12	21.61	240	1354111	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1337159	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1603111	160.26	ng	0.00
7) Phenol-d6	7.22	99	2152400	164.20	ng	0.01
23) Nitrobenzene-d5	9.19	82	1145321	105.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	1065728	163.70	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2800863	89.28	ng	-0.02
78) Terphenyl-d14	19.97	244	3812713	83.13	ng	-0.02
Target Compounds						
10) Phenol	7.25	94	40705	2.85	ng	Qvalue 76
15) Benzyl Alcohol	8.35	79	16400	2.00	ng	# 53
49) Dimethylphthalate	14.09	163	748496	20.24	ng	97
76) Benzidine	19.62	184	196	3.72	ng	# 64

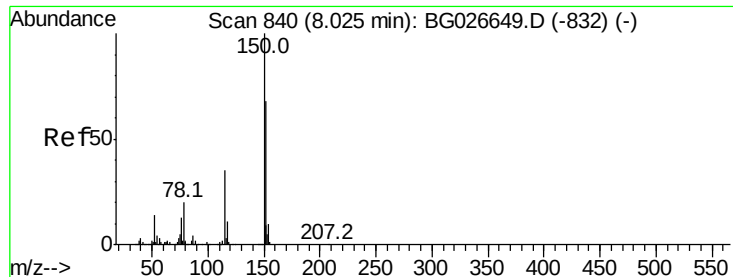
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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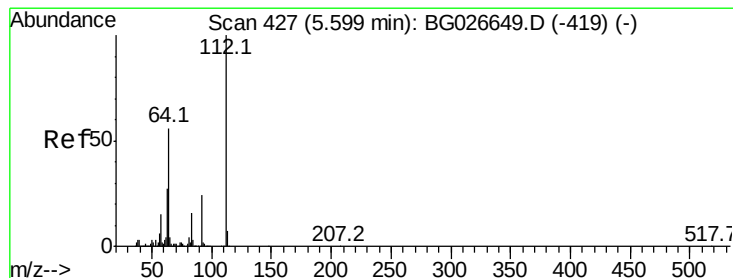
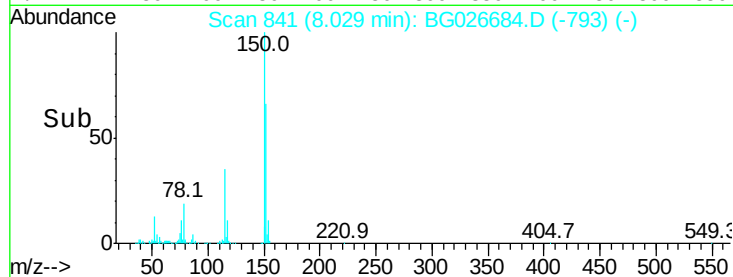
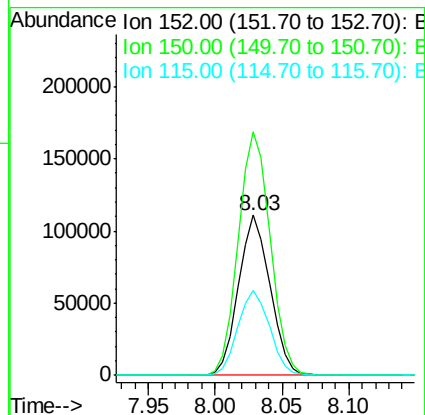
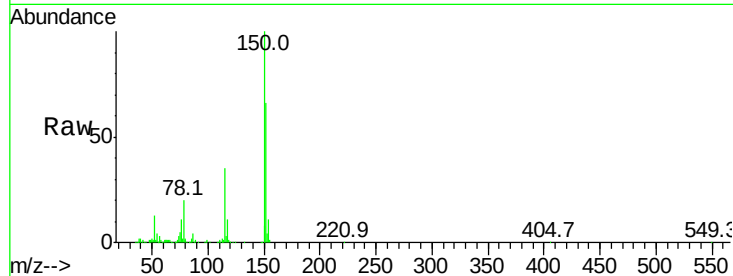


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026684.D
Acq: 20 Apr 2017 20:49

Instrument :
BNA_G
ClientSampleId :

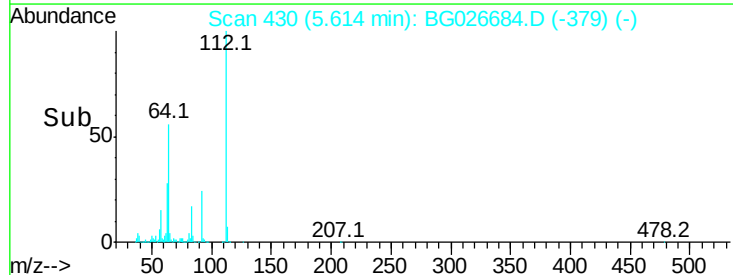
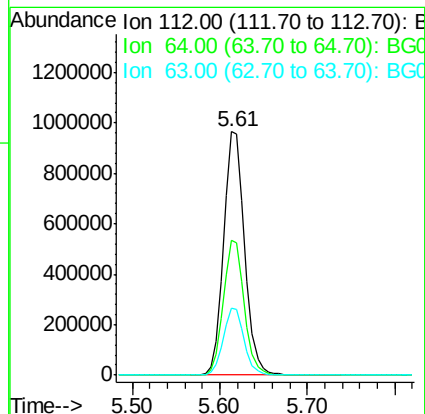
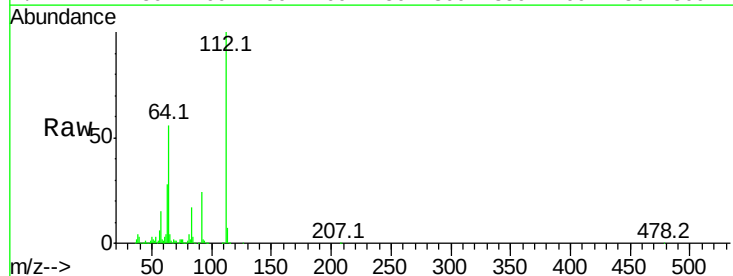
Tot Ion:152 Resp: 181851
Ion Ratio Lower Upper
152 100
150 151.8 114.0 171.0
115 52.8 48.1 72.1

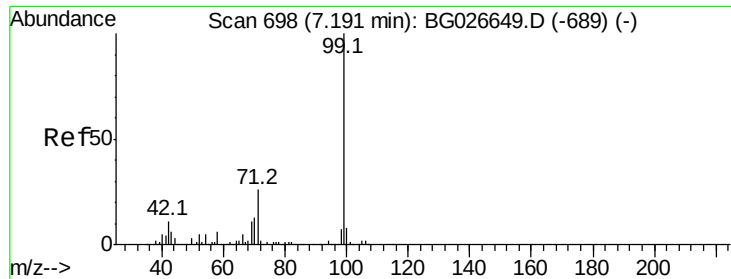


#5

2-Fluorophenol
Concen: 160.26 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG026684.D
Acq: 20 Apr 2017 20:49

Tgt Ion:112 Resp: 1603111
Ion Ratio Lower Upper
112 100
64 55.6 61.8 92.6#
63 27.8 37.2 55.8#





#7

Phenol-d6

Concen: 164.20 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

Instrument :

BNA_G

ClientSampleId :

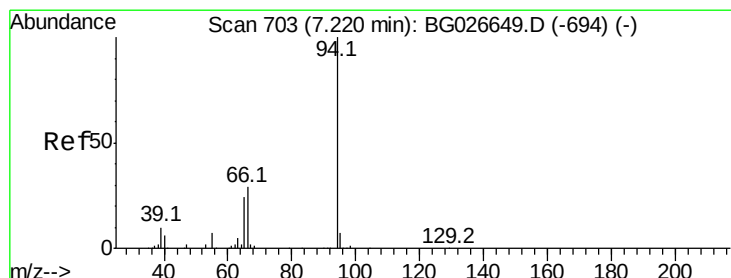
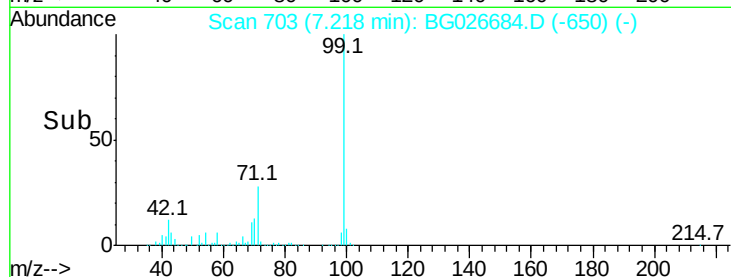
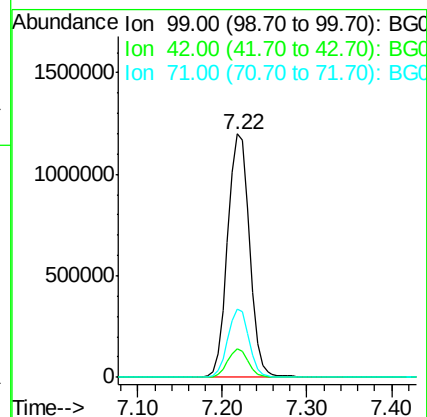
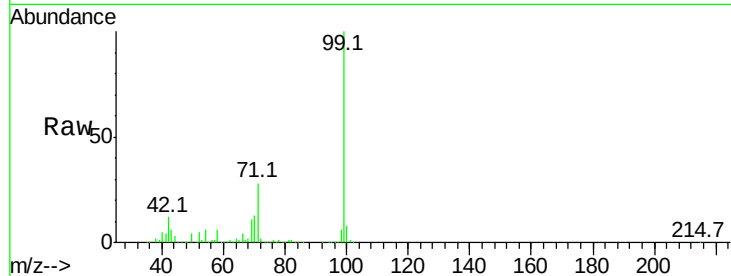
Tot Ion: 99 Resp: 2152400

Ion Ratio Lower Upper

99 100

42 11.7 20.5 30.7#

71 28.2 37.6 56.4#



#10

Phenol

Concen: 2.85 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

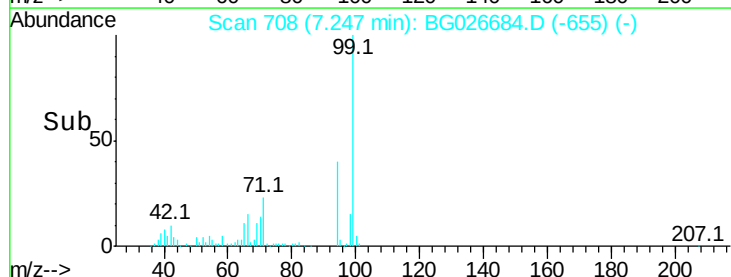
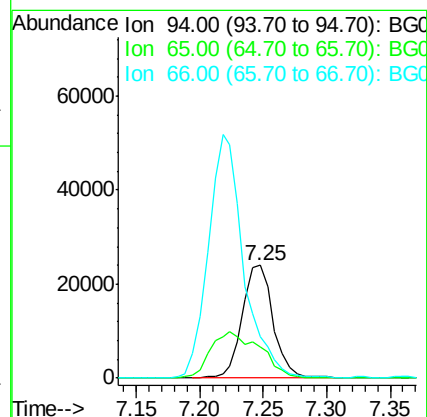
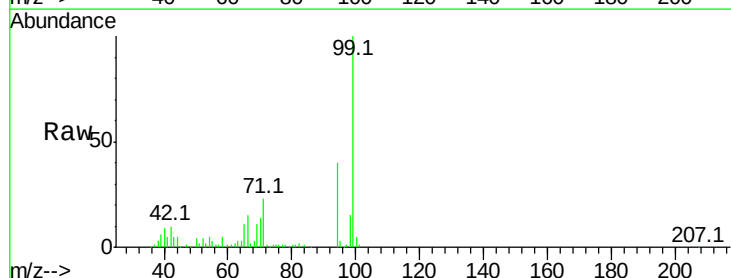
Tgt Ion: 94 Resp: 40705

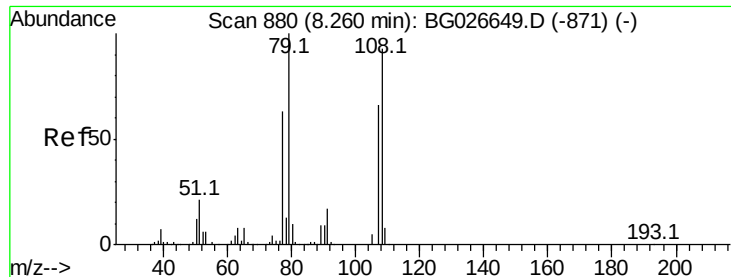
Ion Ratio Lower Upper

94 100

65 27.3 20.6 60.6

66 36.8 35.5 75.5





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

Instrument :

BNA_G

ClientSampleId :

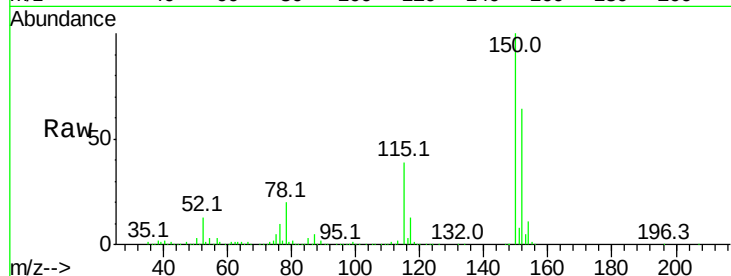
Tot Ion: 79 Resp: 16400

Ion Ratio Lower Upper

79 100

108 37.0 45.5 68.3#

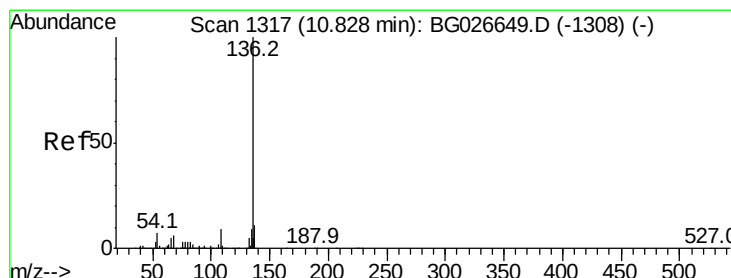
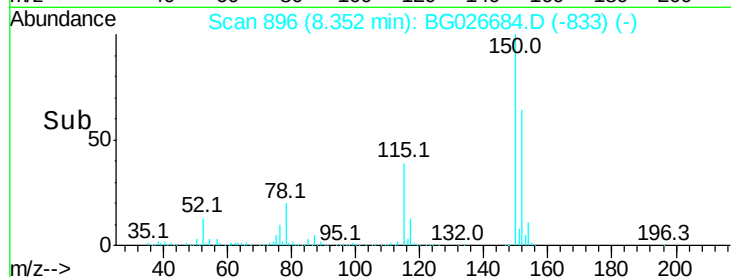
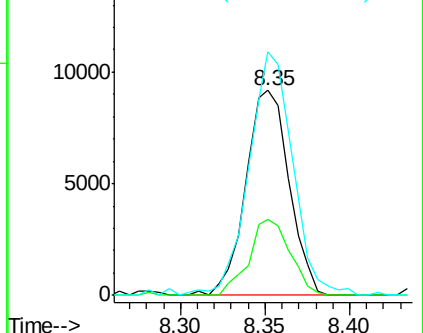
77 118.8 54.3 81.5#



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# 1318

Delta R.T. -0.02 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

Tgt Ion: 136 Resp: 759622

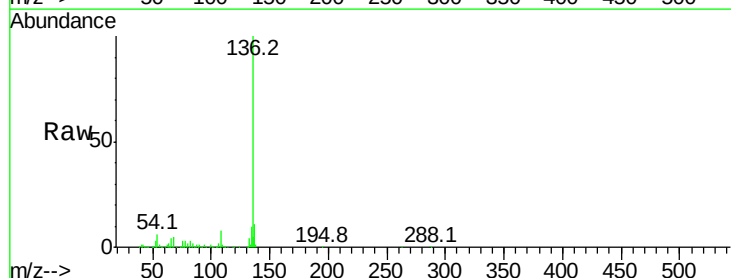
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 6.2 9.3 13.9#

68 5.2 5.1 7.7

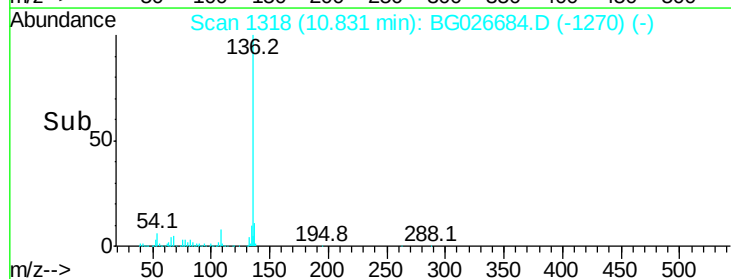
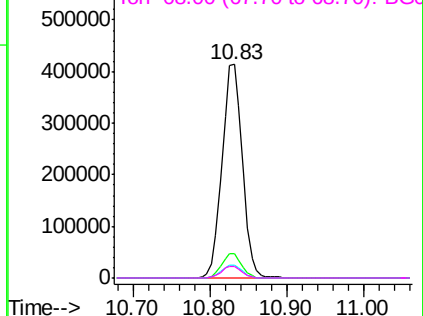


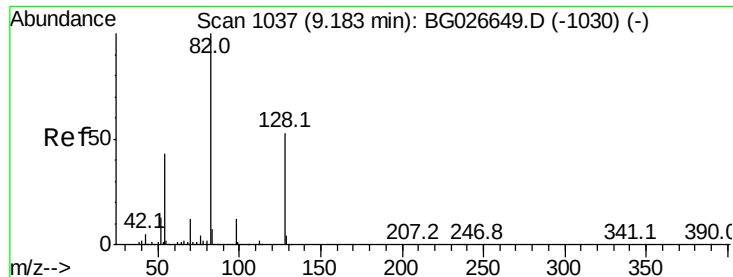
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

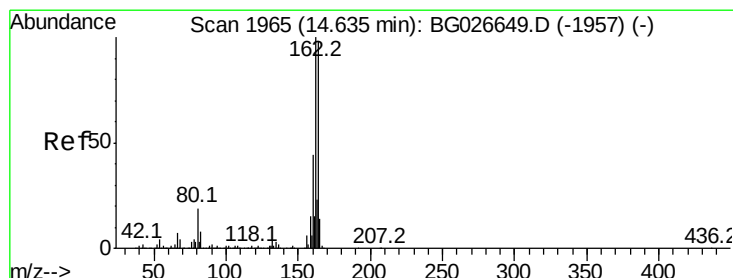
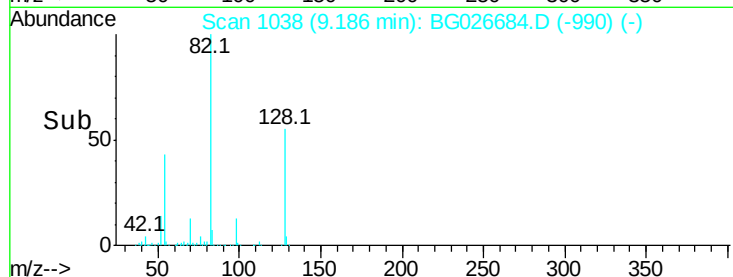
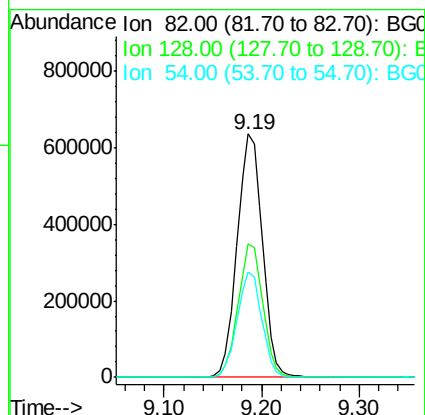
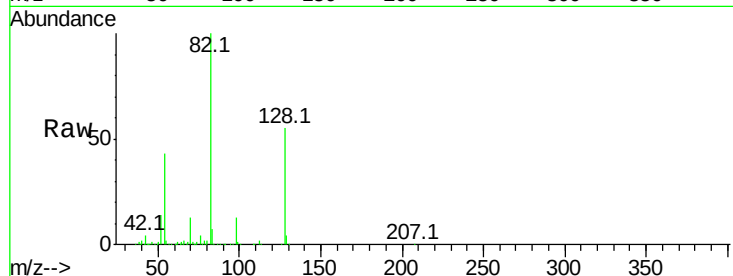




#23
 Nitrobenzene-d5
 Concen: 105.21 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BG026684.D
 Acq: 20 Apr 2017 20:49

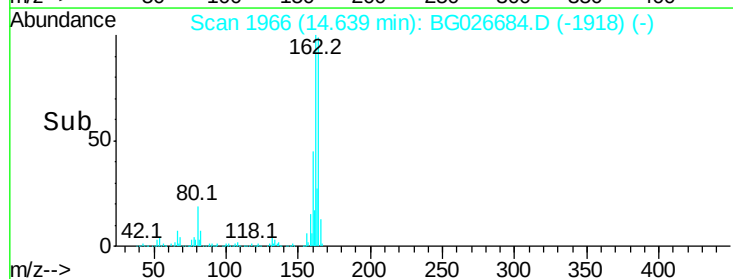
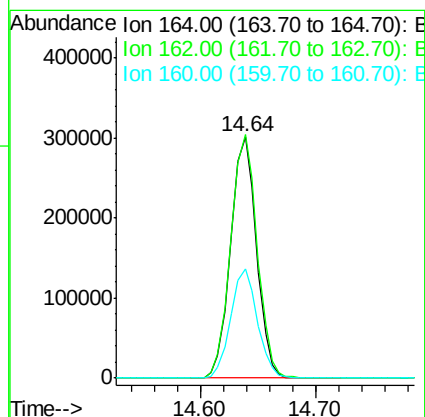
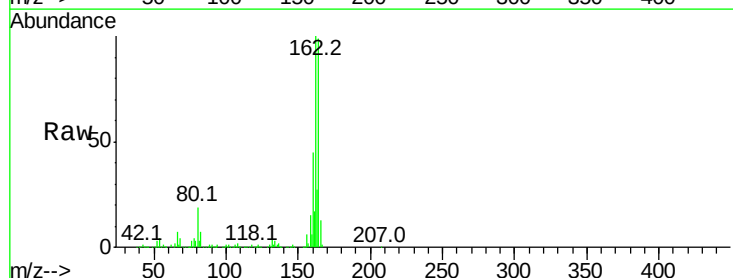
Instrument :
 BNA_G
 ClientSampleId :

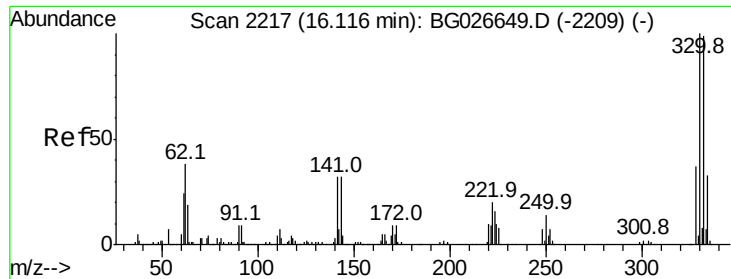
Tot Ion: 82 Resp: 1145321
 Ion Ratio Lower Upper
 82 100
 128 54.8 26.4 39.6#
 54 43.4 49.4 74.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BG026684.D
 Acq: 20 Apr 2017 20:49

Tgt Ion:164 Resp: 467220
 Ion Ratio Lower Upper
 164 100
 162 101.0 85.1 127.7
 160 45.2 34.7 52.1

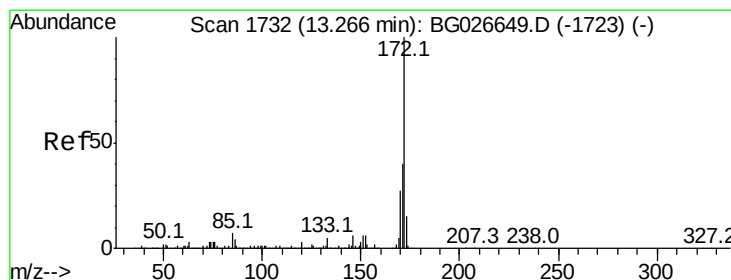
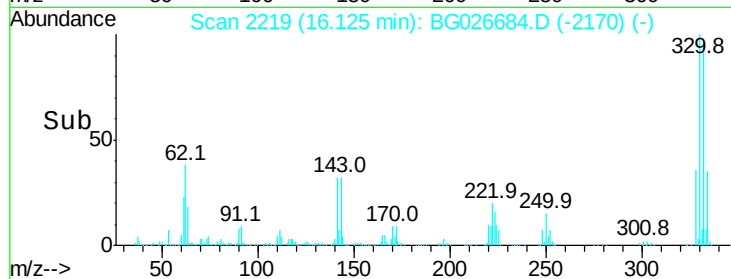
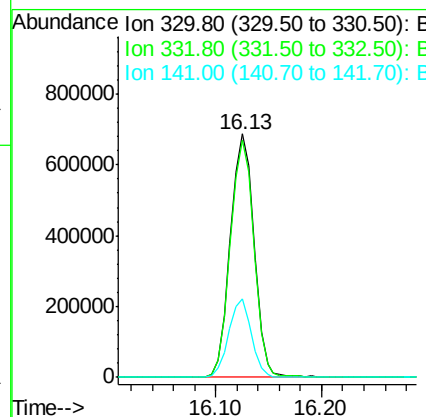
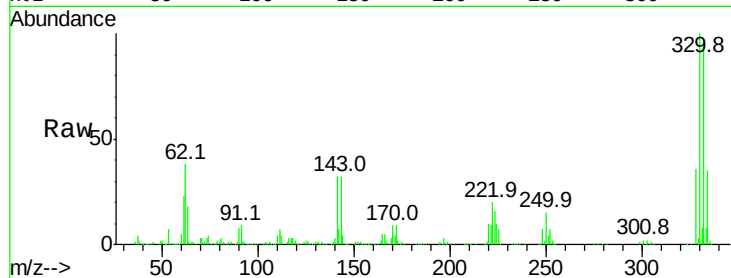




#41
 2,4,6-Tribromophenol
 Concen: 163.70 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG026684.D
 Acq: 20 Apr 2017 20:49

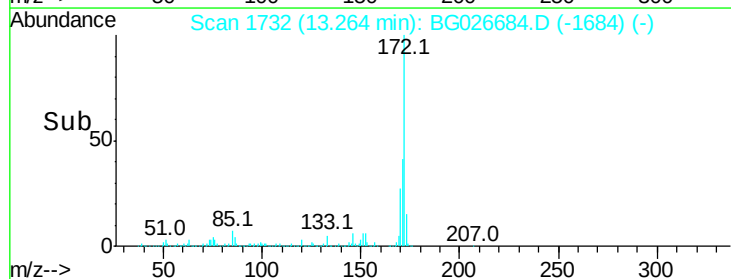
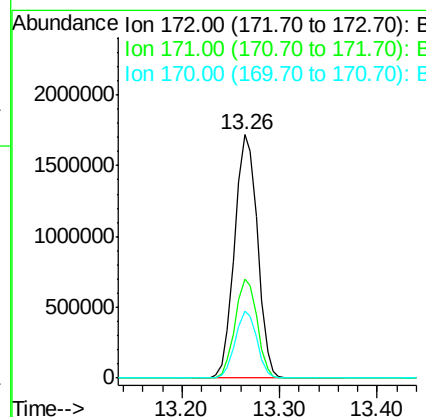
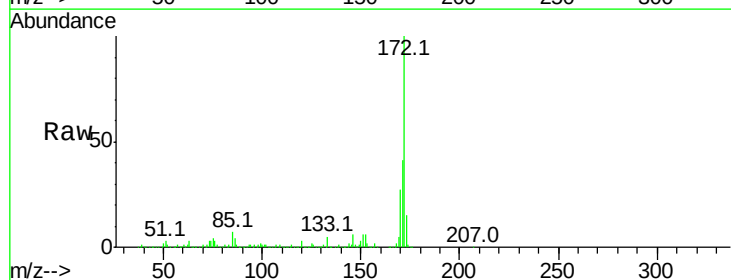
Instrument :
 BNA_G
 ClientSampleId :

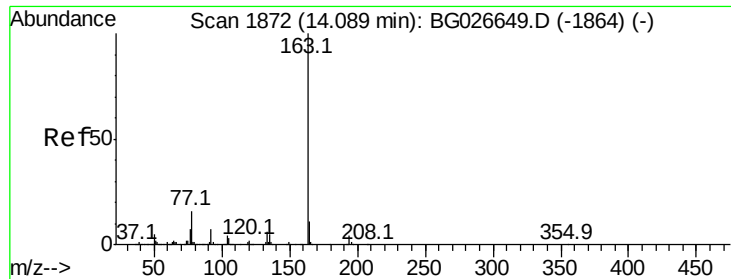
Tot Ion:330 Resp: 1065728
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.3 115.9
 141 31.0 32.1 48.1#



#44
 2-Fluorobiphenyl
 Concen: 89.28 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: BG026684.D
 Acq: 20 Apr 2017 20:49

Tgt Ion:172 Resp: 2800863
 Ion Ratio Lower Upper
 172 100
 171 40.6 32.2 48.2
 170 27.3 21.8 32.6

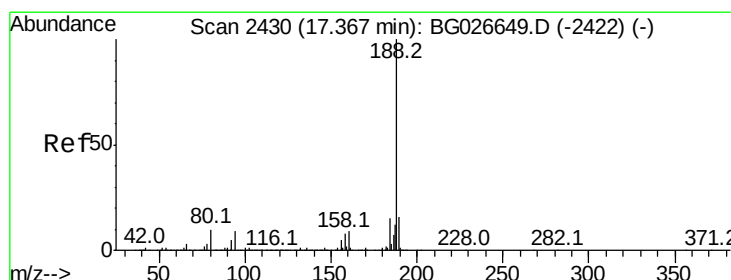
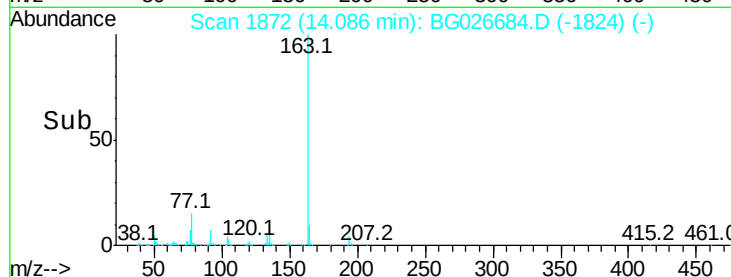
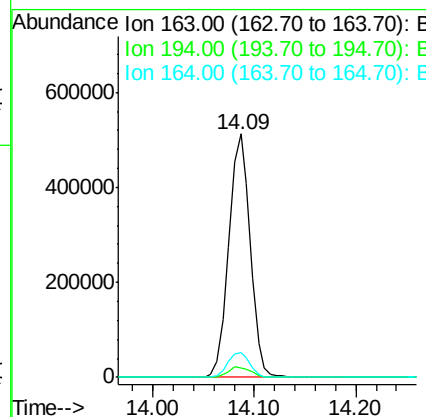
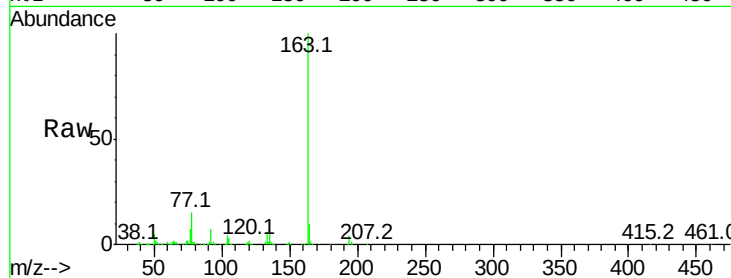




#49
Dimethylphthalate
Concen: 20.24 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BG026684.D
Acq: 20 Apr 2017 20:49

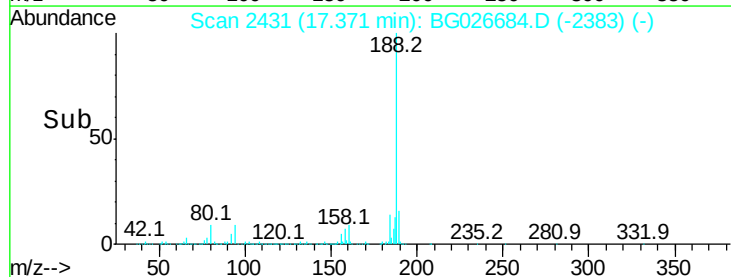
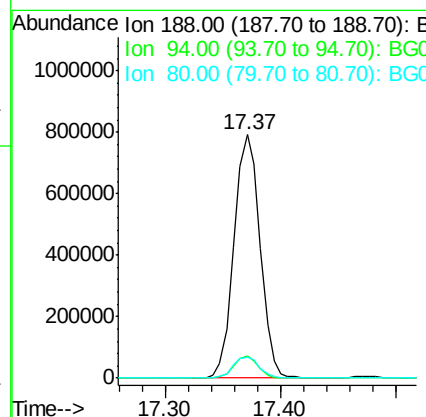
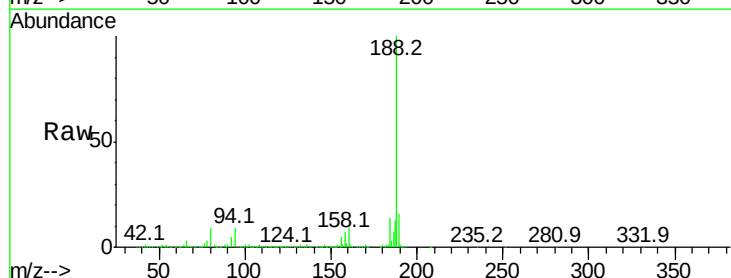
Instrument :
BNA_G
ClientSampleId :

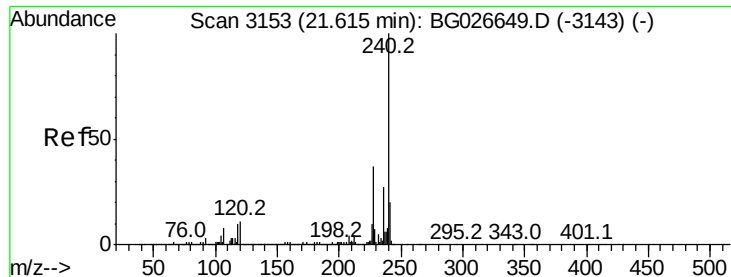
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.8	5.6
164	10.2	9.3	13.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026684.D
Acq: 20 Apr 2017 20:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	5.8	8.8#
80	8.7	7.5	11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

Instrument :

BNA_G

ClientSampleId :

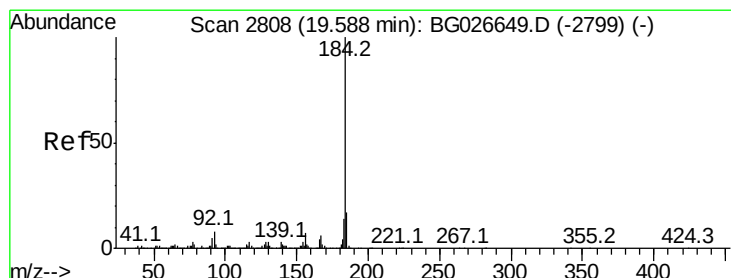
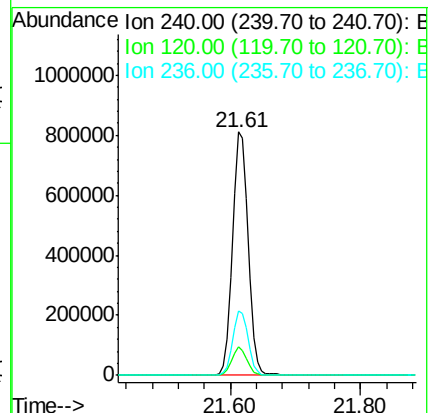
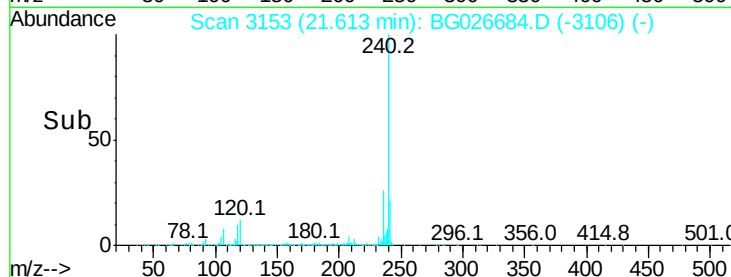
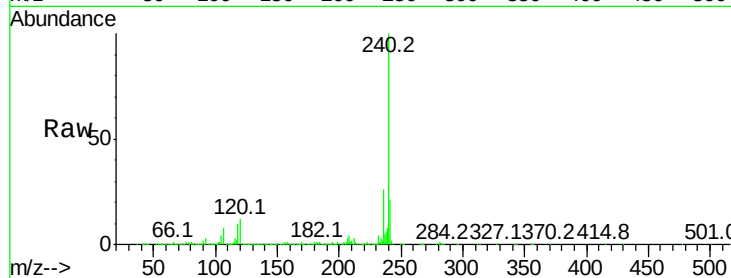
Tot Ion:240 Resp: 1354111

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

236 26.2 22.2 33.4



#76

Benzidine

Concen: 3.72 ng

RT: 19.62 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

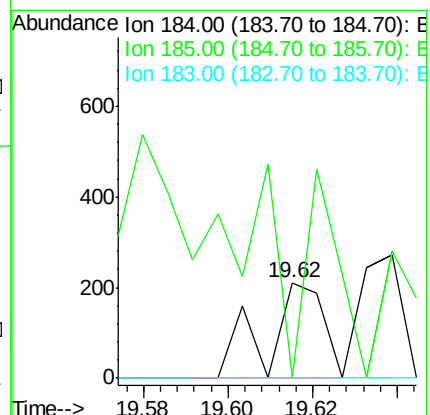
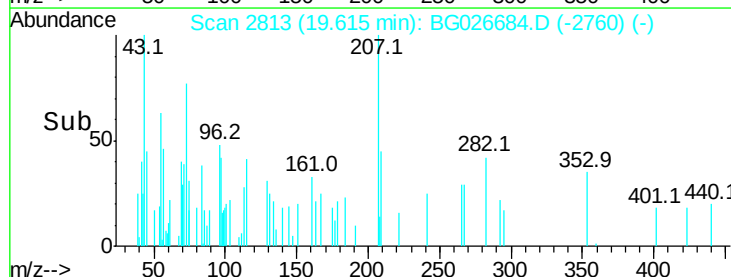
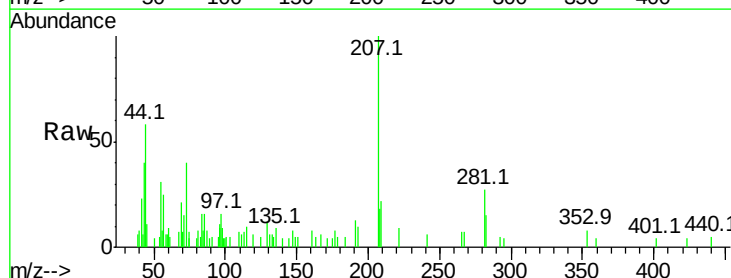
Tgt Ion:184 Resp: 196

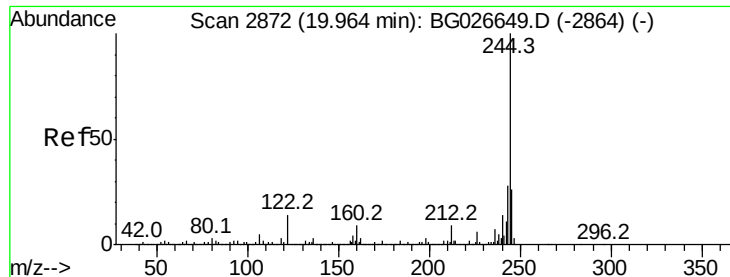
Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

183 0.0 11.0 16.6#





#78

Terphenyl-d14

Concen: 83.13 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026684.D

Acq: 20 Apr 2017 20:49

Instrument :

BNA_G

ClientSampleId :

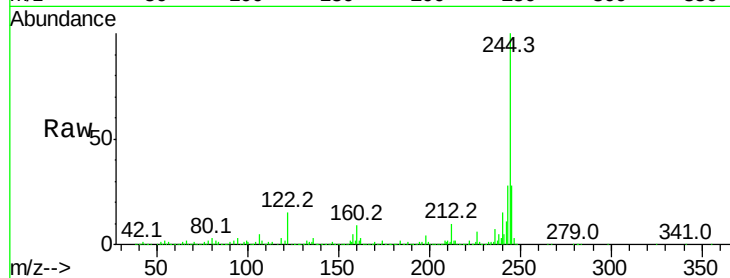
Tot Ion:244 Resp: 3812713

Ion Ratio Lower Upper

244 100

212 9.8 10.0 15.0#

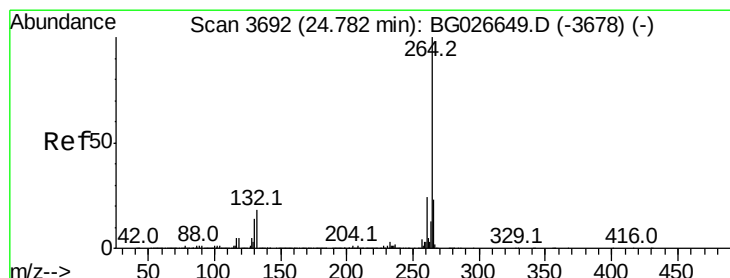
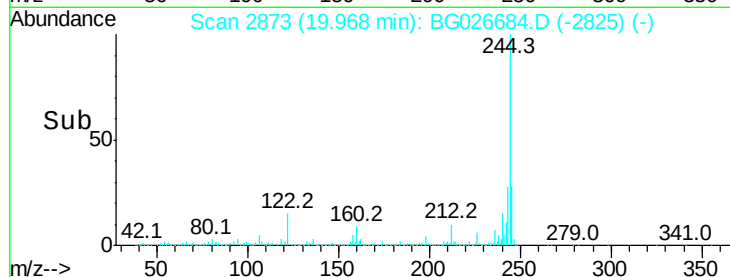
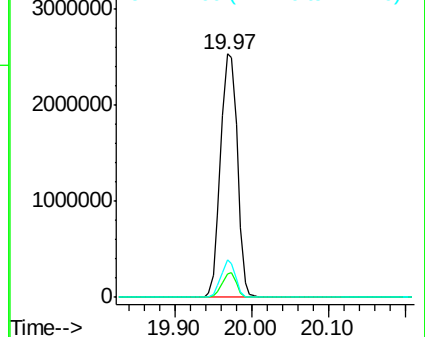
122 15.4 8.6 12.8#



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: BG026684.D

Acq: 20 Apr 2017 20:49

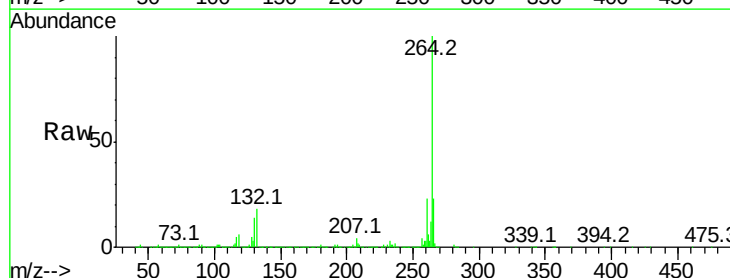
Tgt Ion:264 Resp: 1337159

Ion Ratio Lower Upper

264 100

260 23.4 21.8 32.8

265 22.8 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

