

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\
 Data File : BG026676.D
 Acq On : 20 Apr 2017 4:48
 Operator : SJ/MA
 Sample : I2752-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 06:48:01 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

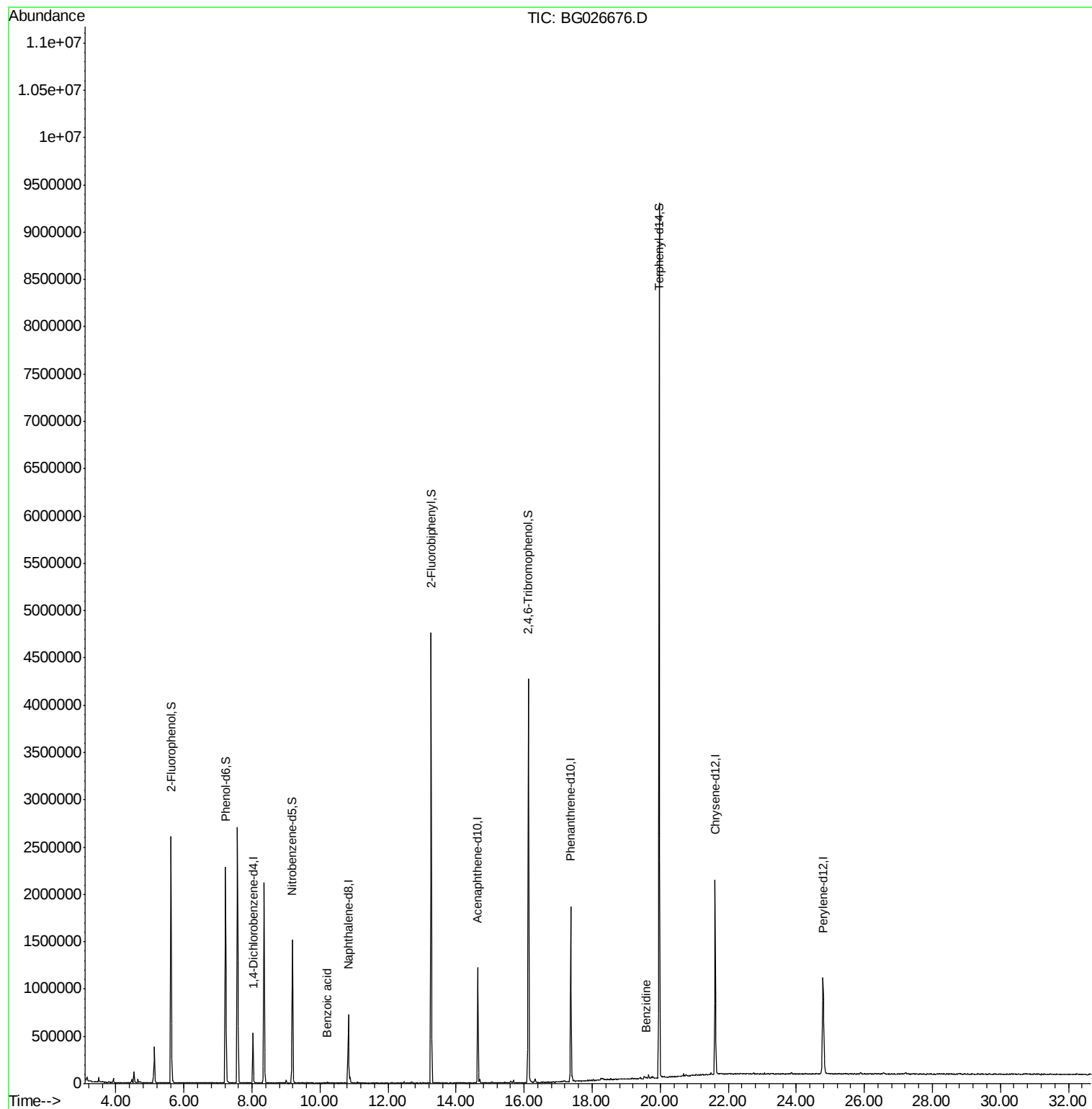
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	166384	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	702787	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	423873	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1183878	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	1297033	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1075762	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1326617	144.95	ng	0.00
7) Phenol-d6	7.22	99	1654667	137.97	ng	0.02
23) Nitrobenzene-d5	9.19	82	978300	97.13	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	906104	153.42	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2621766	92.12	ng	-0.02
78) Terphenyl-d14	19.97	244	3871317	88.12	ng	-0.01
Target Compounds						
32) Benzoic acid	10.23	122	56	9.02	ng	# 47
76) Benzidine	19.58	184	179	3.72	ng	# 1

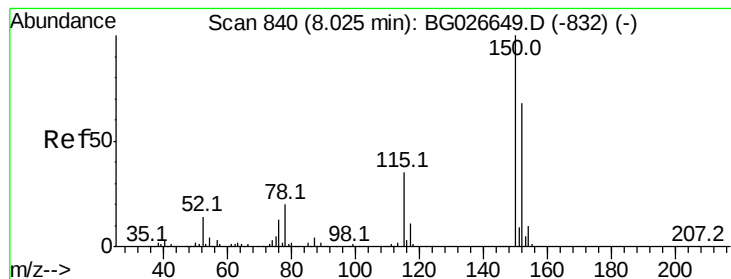
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG026676.D

Acq: 20 Apr 2017 4:48

Instrument :

BNA_G

ClientSampleId :

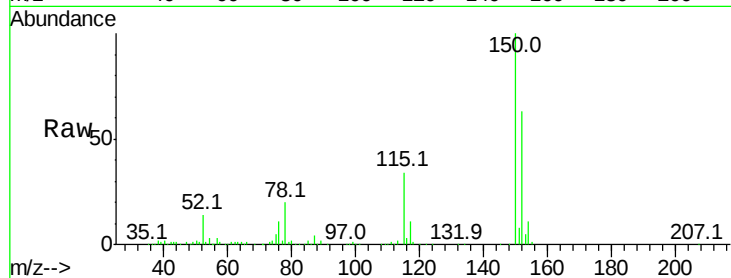
Tot Ion:152 Resp: 166384

Ion Ratio Lower Upper

152 100

150 158.3 114.0 171.0

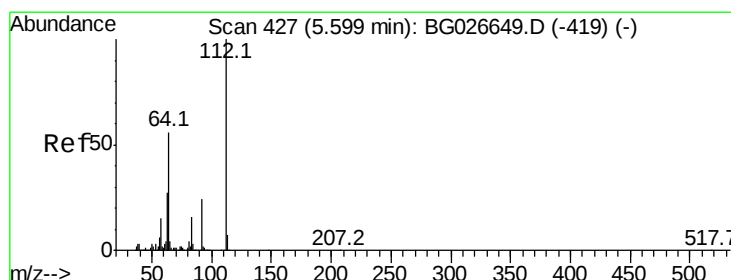
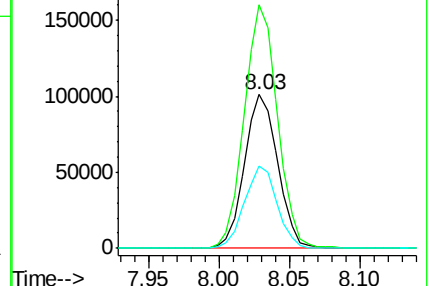
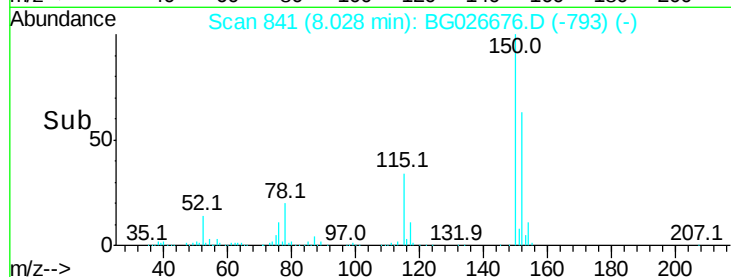
115 53.3 48.1 72.1



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: 144.95 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

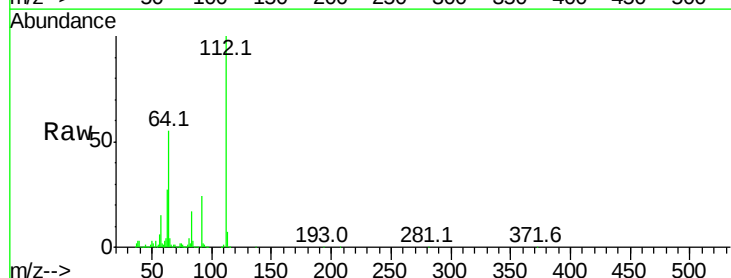
Tgt Ion:112 Resp: 1326617

Ion Ratio Lower Upper

112 100

64 54.8 61.8 92.6#

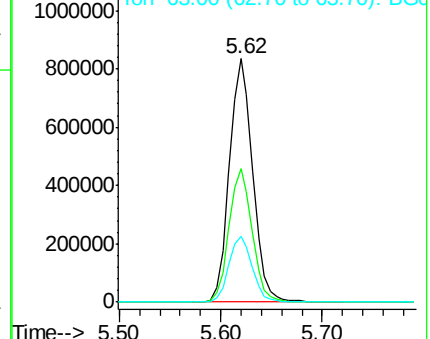
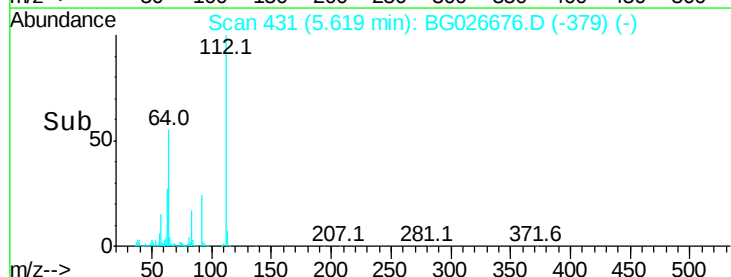
63 26.8 37.2 55.8#

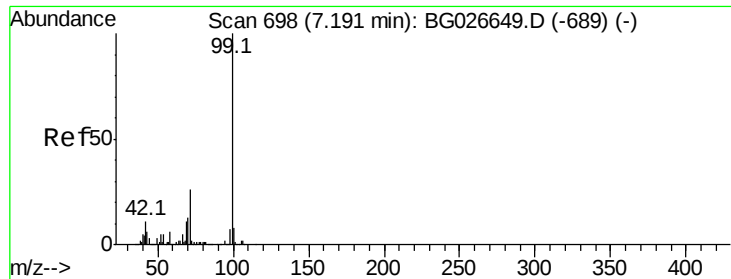


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 137.97 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.02 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

Instrument :

BNA_G

ClientSampleId :

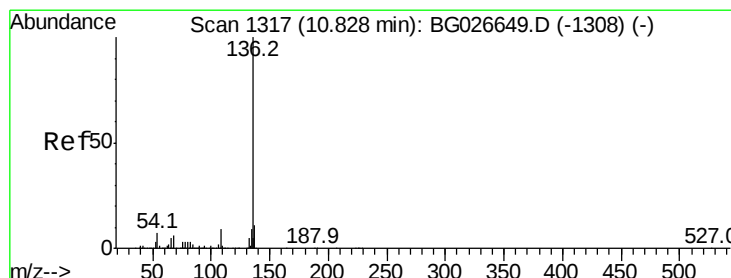
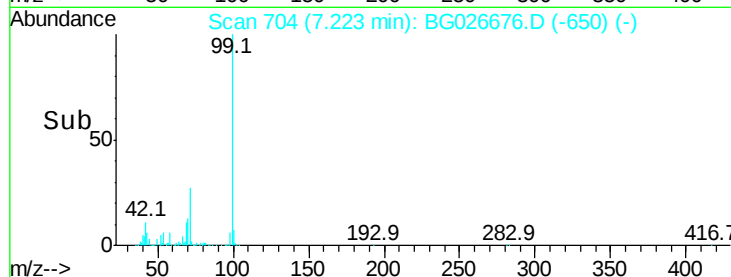
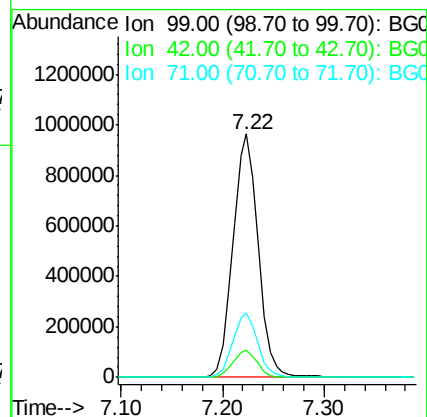
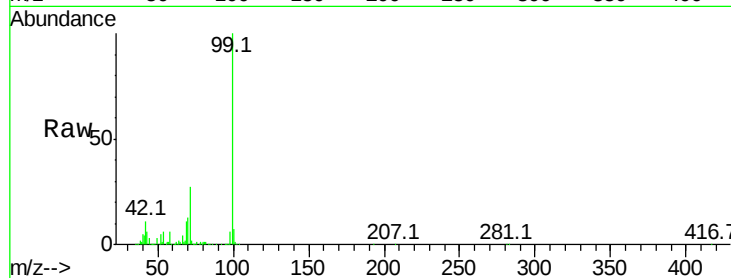
Tot Ion: 99 Resp: 1654667

Ion Ratio Lower Upper

99 100

42 11.0 20.5 30.7#

71 26.6 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

Tgt Ion: 136 Resp: 702787

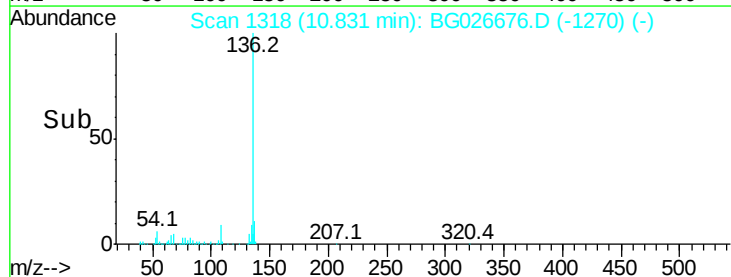
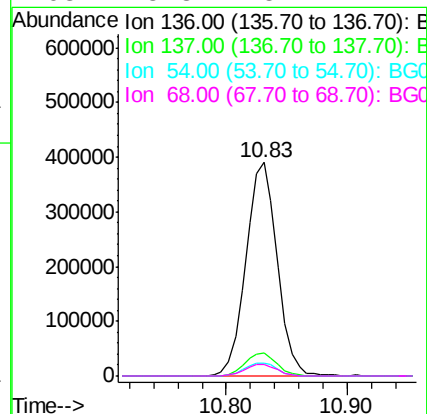
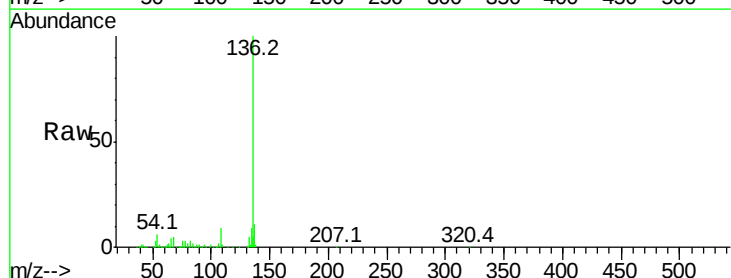
Ion Ratio Lower Upper

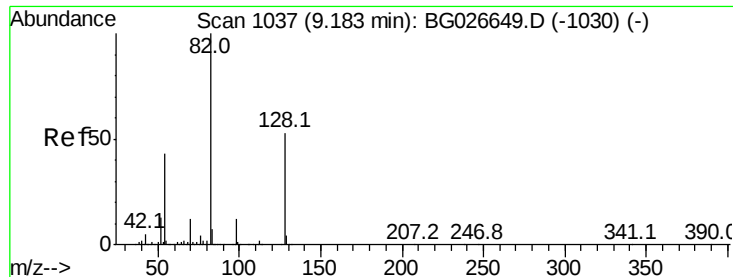
136 100

137 10.5 8.9 13.3

54 6.1 9.3 13.9#

68 5.3 5.1 7.7

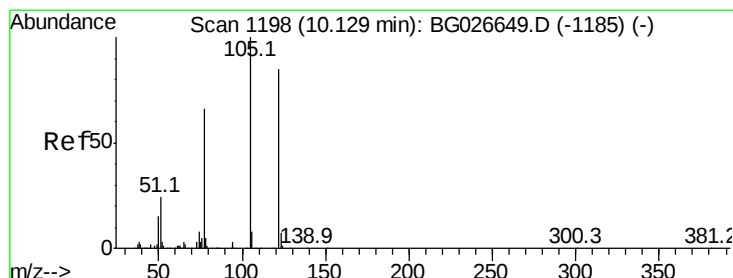
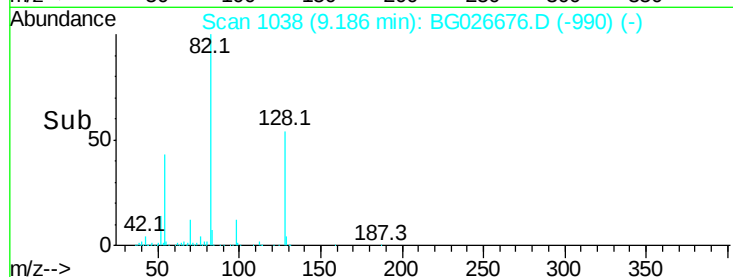
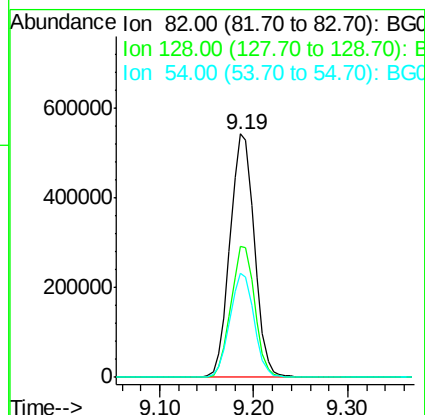
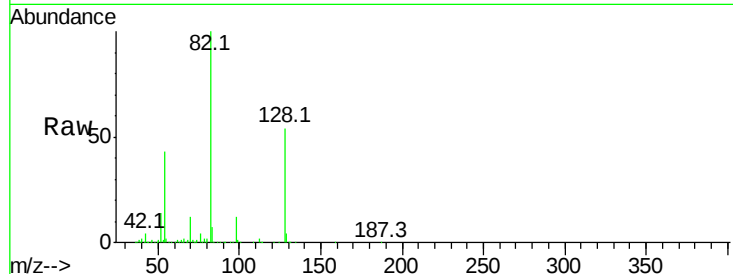




#23
 Nitrobenzene-d5
 Concen: 97.13 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BG026676.D
 Acq: 20 Apr 2017 4:48

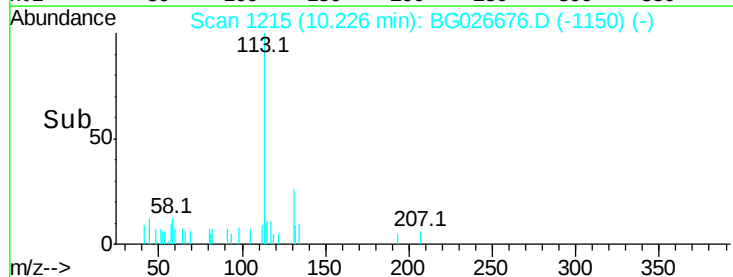
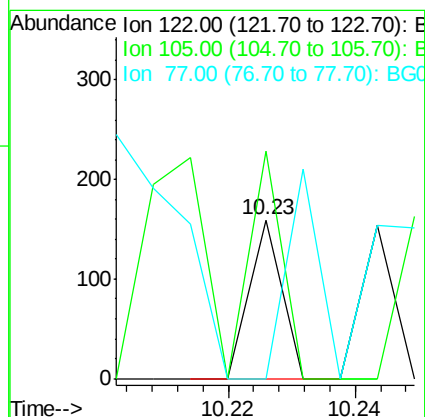
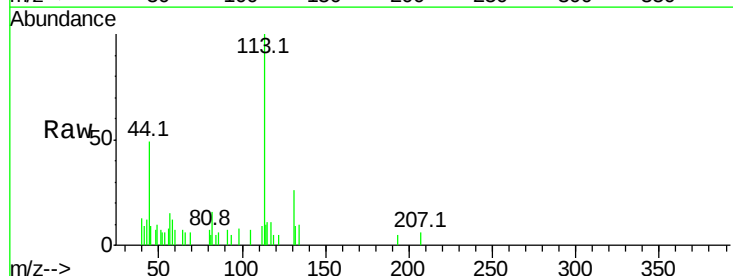
Instrument :
 BNA_G
 ClientSampleId :

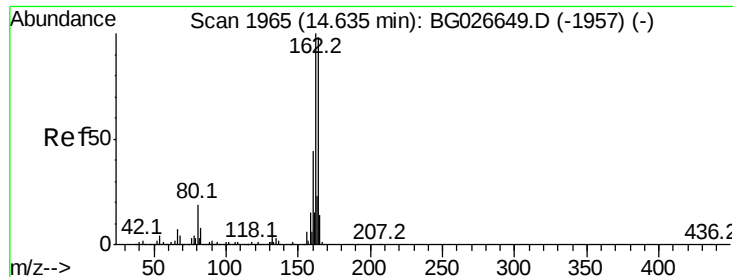
Tot Ion: 82 Resp: 978300
 Ion Ratio Lower Upper
 82 100
 128 53.6 26.4 39.6#
 54 42.5 49.4 74.2#



#32
 Benzoic acid
 Concen: 9.02 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. 0.08 min
 Lab File: BG026676.D
 Acq: 20 Apr 2017 4:48

Tgt Ion:122 Resp: 56
 Ion Ratio Lower Upper
 122 100
 105 144.0 120.1 160.1
 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: BG026676.D

Acq: 20 Apr 2017 4:48

Instrument :

BNA_G

ClientSampleId :

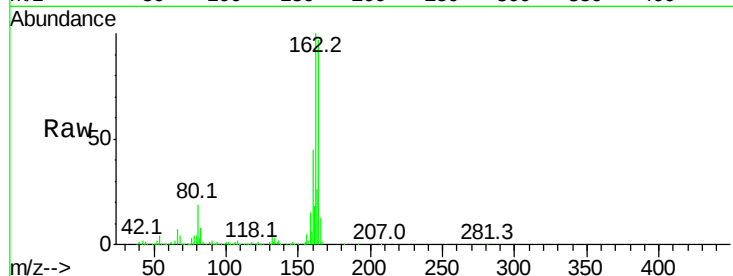
Tot Ion:164 Resp: 423873

Ion Ratio Lower Upper

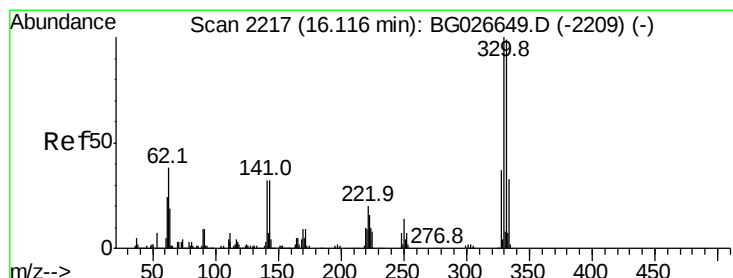
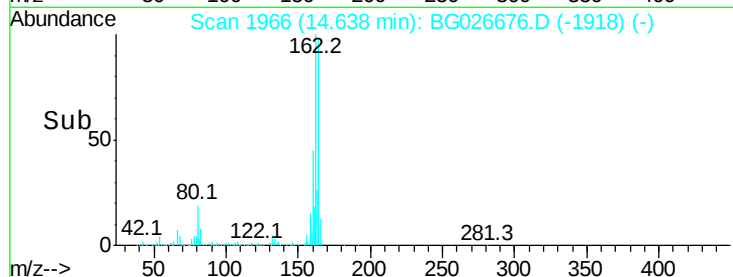
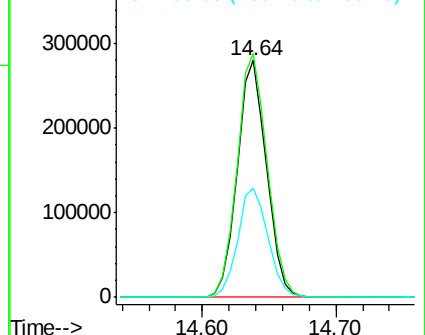
164 100

162 102.9 85.1 127.7

160 46.2 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: 153.42 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

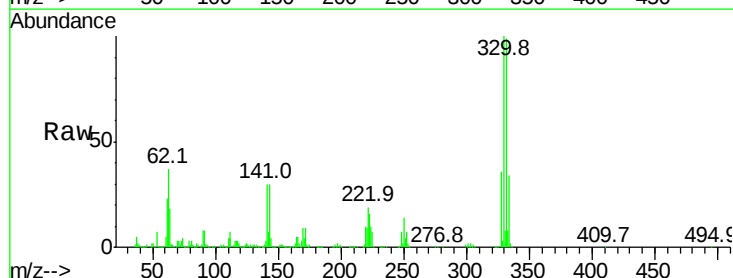
Tgt Ion:330 Resp: 906104

Ion Ratio Lower Upper

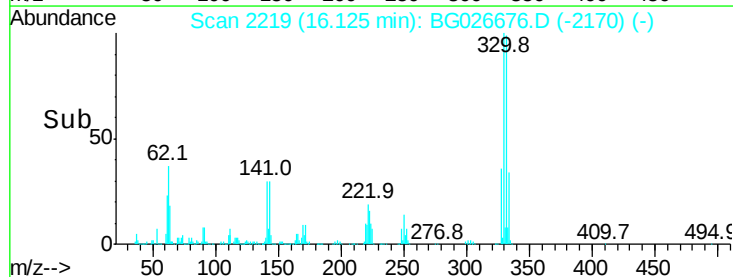
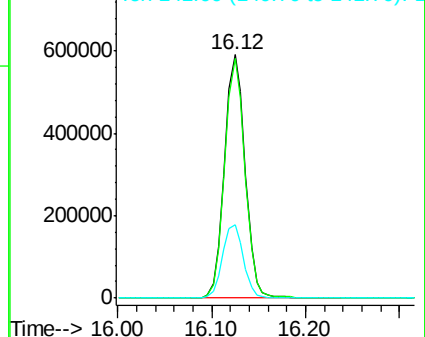
330 100

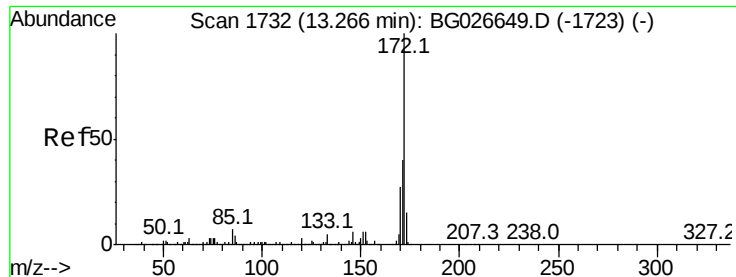
332 97.4 77.3 115.9

141 30.8 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

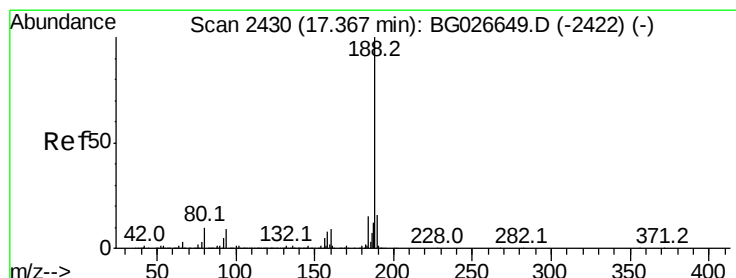
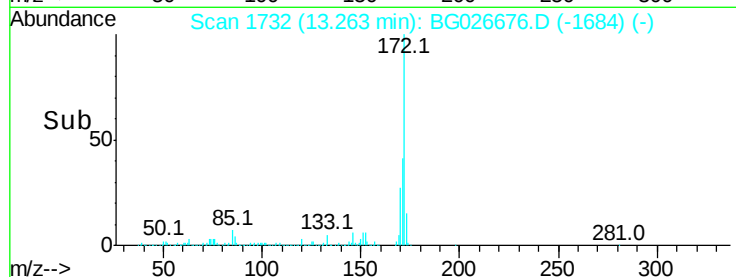
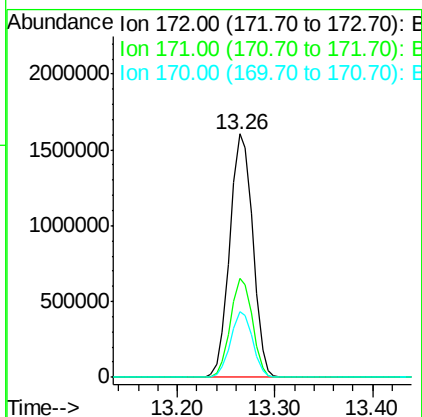
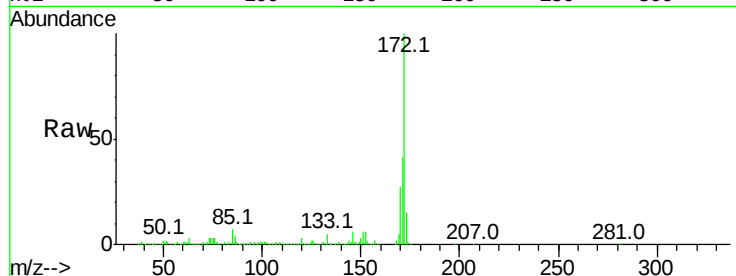




#44
2-Fluorobiphenyl
Concen: 92.12 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.02 min
Lab File: BG026676.D
Acq: 20 Apr 2017 4:48

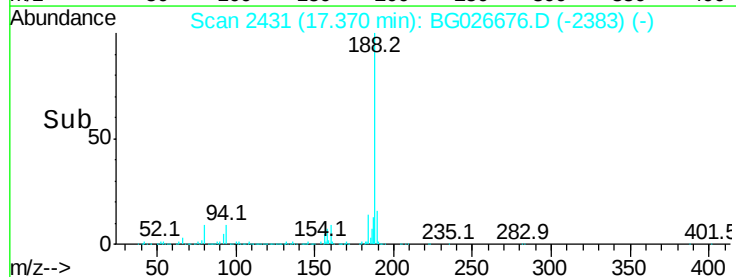
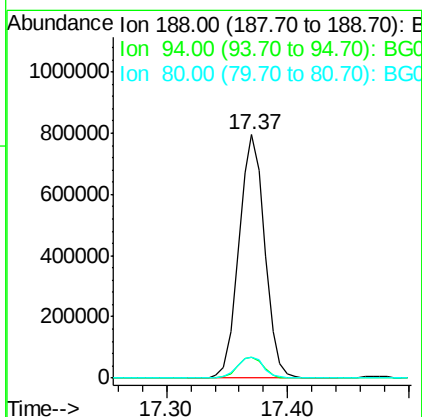
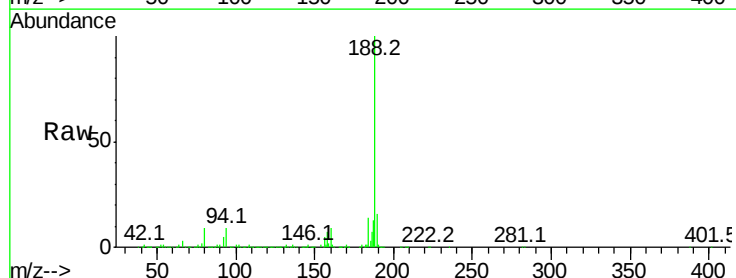
Instrument :
BNA_G
ClientSampleId :

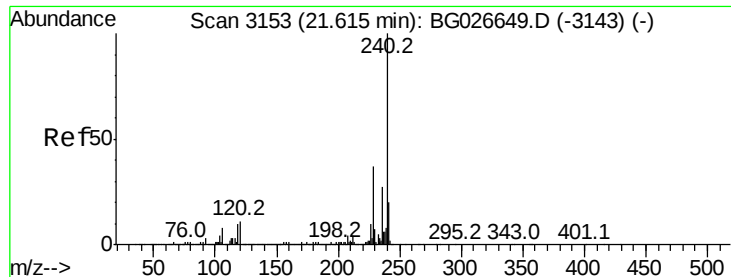
Tot Ion:172 Resp: 2621766
Ion Ratio Lower Upper
172 100
171 40.8 32.2 48.2
170 27.1 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026676.D
Acq: 20 Apr 2017 4:48

Tgt Ion:188 Resp: 1183878
Ion Ratio Lower Upper
188 100
94 8.5 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: BG026676.D

Acq: 20 Apr 2017 4:48

Instrument :

BNA_G

ClientSampleId :

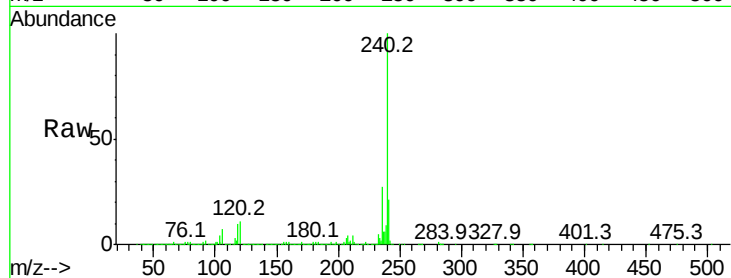
Tot Ion:240 Resp: 1297033

Ion Ratio Lower Upper

240 100

120 10.7 5.7 8.5#

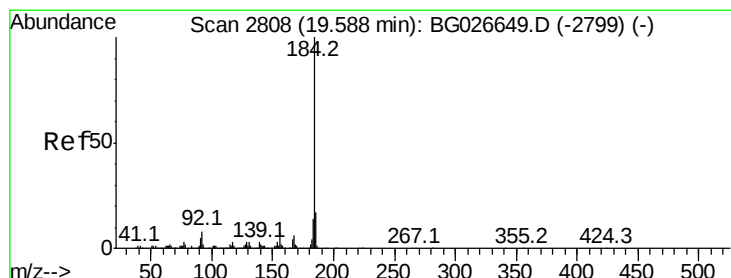
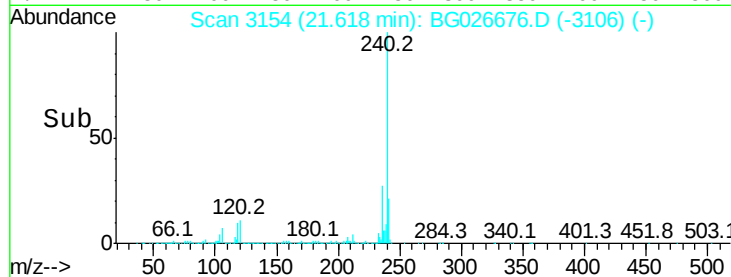
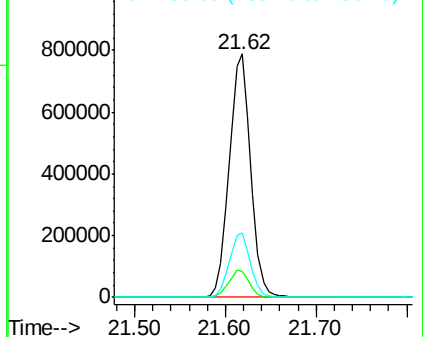
236 26.5 22.2 33.4



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: 19.58 min Scan# 2807

Delta R.T. -0.02 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

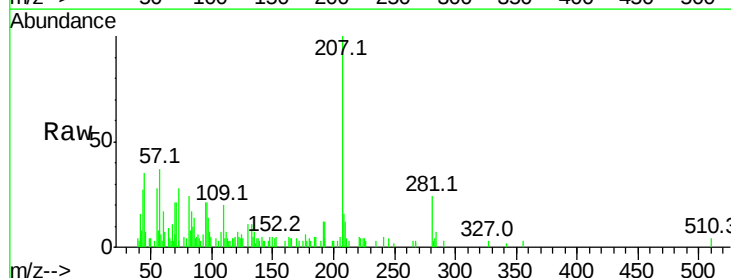
Tgt Ion:184 Resp: 179

Ion Ratio Lower Upper

184 100

185 100.6 13.0 19.6#

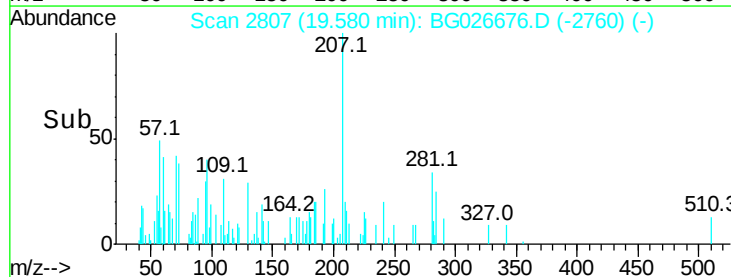
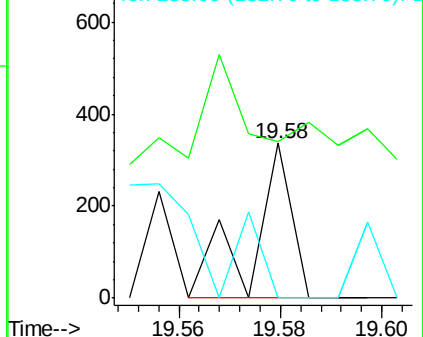
183 0.0 11.0 16.6#

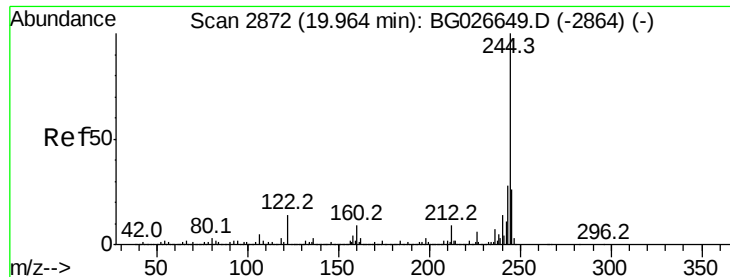


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.12 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

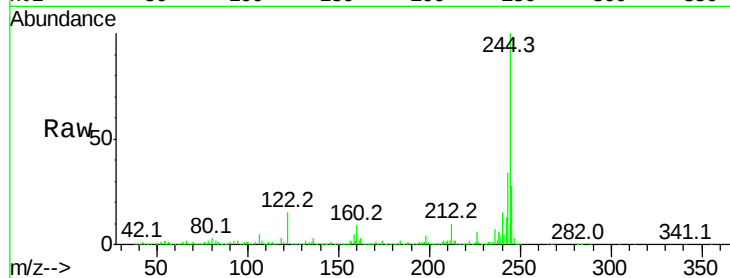
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 3871317

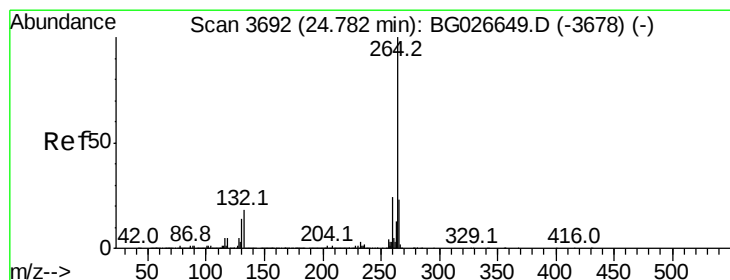
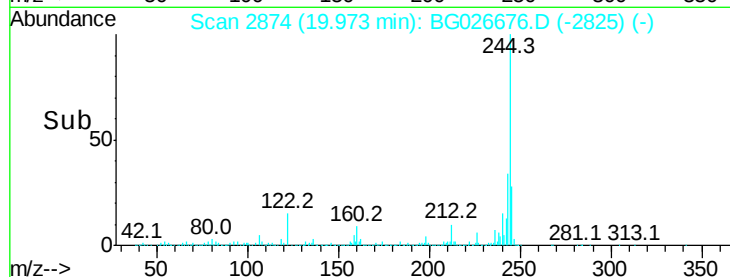
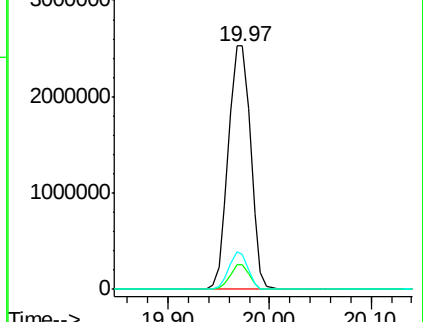
Ion	Ratio	Lower	Upper
244	100		
212	10.2	10.0	15.0
122	14.6	8.6	12.8



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# 3694

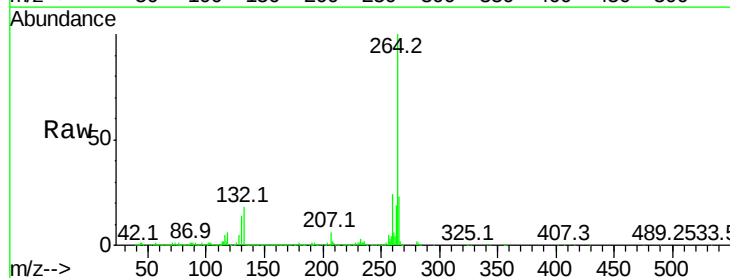
Delta R.T. -0.03 min

Lab File: BG026676.D

Acq: 20 Apr 2017 4:48

Tgt Ion:264 Resp: 1075762

Ion	Ratio	Lower	Upper
264	100		
260	23.7	21.8	32.8
265	22.7	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

