

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070317\
 Data File : BG027839.D
 Acq On : 3 Jul 2017 19:33
 Operator : SJ/JU
 Sample : PB100333BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 04 05:50:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

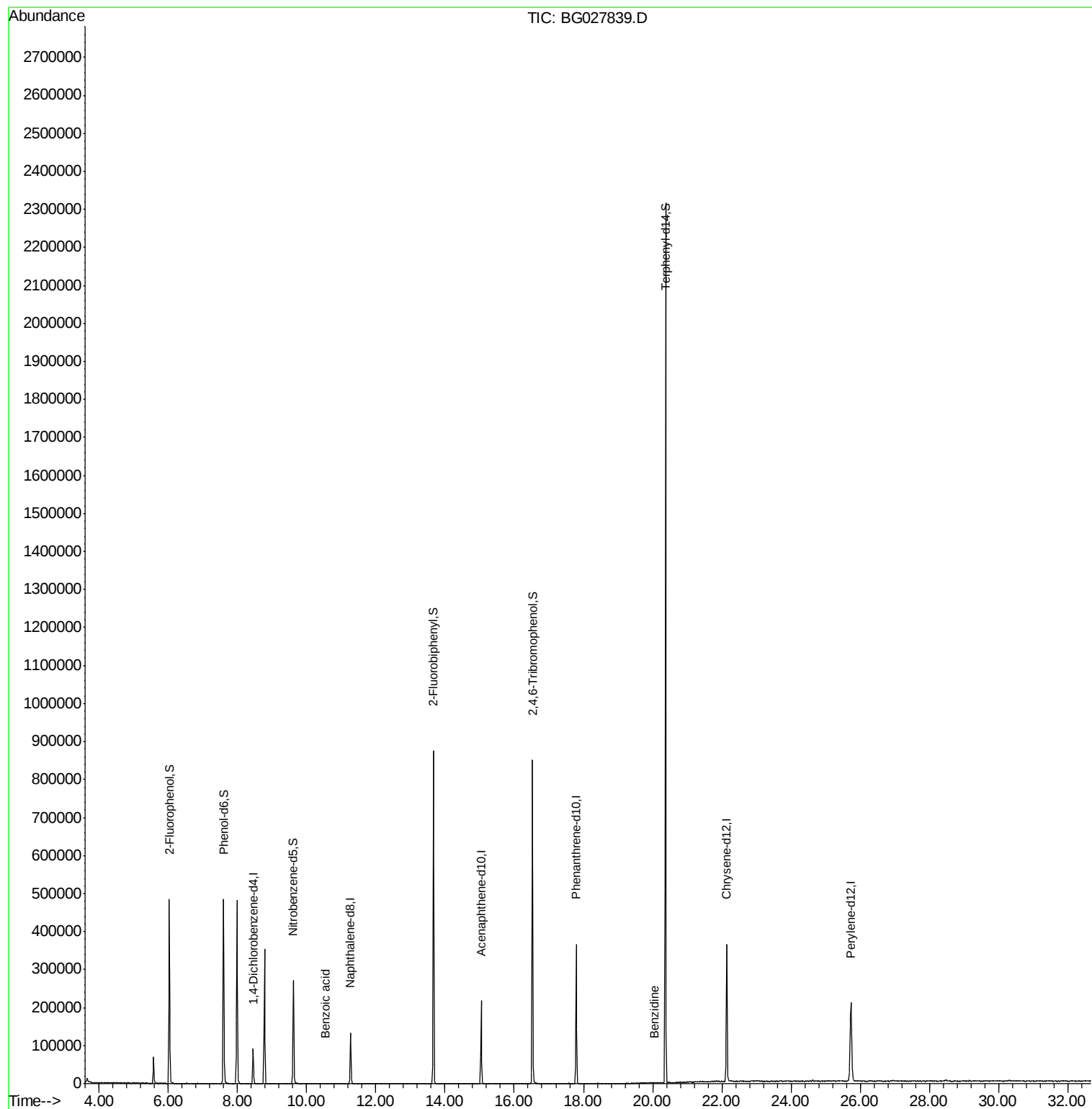
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	27142	20.00	ng	-0.02
21) Naphthalene-d8	11.27	136	125944	20.00	ng	-0.02
38) Acenaphthene-d10	15.04	164	79299	20.00	ng	-0.02
63) Phenanthrene-d10	17.79	188	230932	20.00	ng	-0.02
75) Chrysene-d12	22.14	240	254088	20.00	ng	-0.03
86) Perylene-d12	25.73	264	252651	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.04	112	223636	126.88	ng	-0.02
7) Phenol-d6	7.60	99	300202	111.49	ng	-0.02
23) Nitrobenzene-d5	9.62	82	176387	78.07	ng	-0.02
41) 2,4,6-Tribromophenol	16.53	330	181936	167.27	ng	-0.02
44) 2-Fluorobiphenyl	13.67	172	487312	87.76	ng	-0.02
78) Terphenyl-d14	20.37	244	1023165	94.40	ng	-0.02
Target Compounds						
32) Benzoic acid	10.54	122	125	8.95	ng	# 1
76) Benzidine	20.04	184	66	3.23	ng	# 64

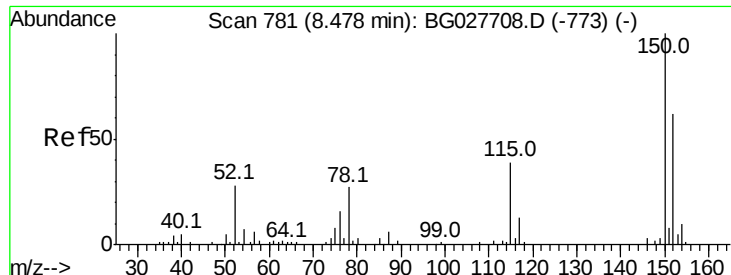
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.46 min Scan# 828

Delta R.T. -0.02 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

Instrument :

BNA_G

ClientSampleId :

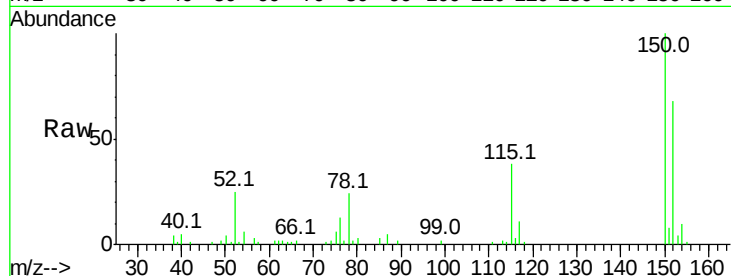
Tot Ion:152 Resp: 27142

Ion Ratio Lower Upper

152 100

150 146.5 114.0 171.0

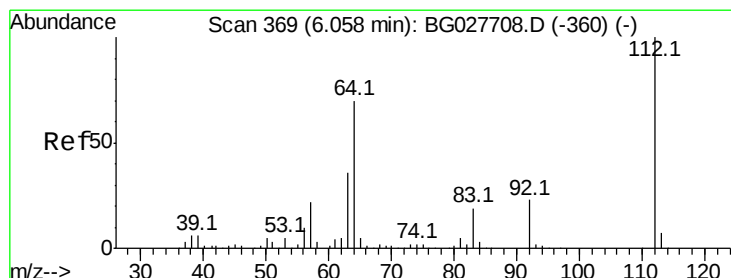
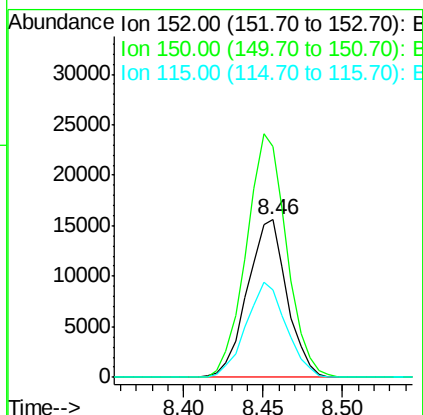
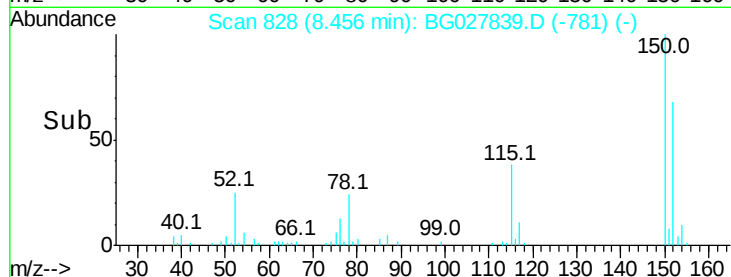
115 55.7 48.1 72.1



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: 126.88 ng

RT: 6.04 min Scan# 416

Delta R.T. -0.02 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

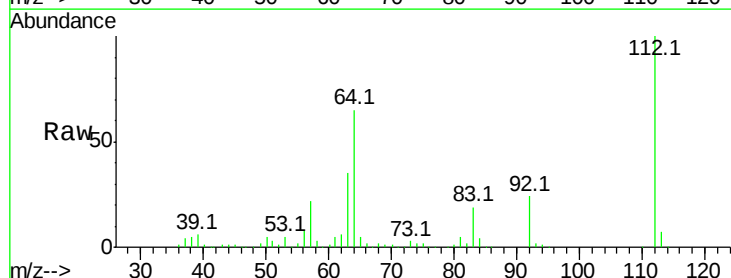
Tgt Ion:112 Resp: 223636

Ion Ratio Lower Upper

112 100

64 65.4 61.8 92.6

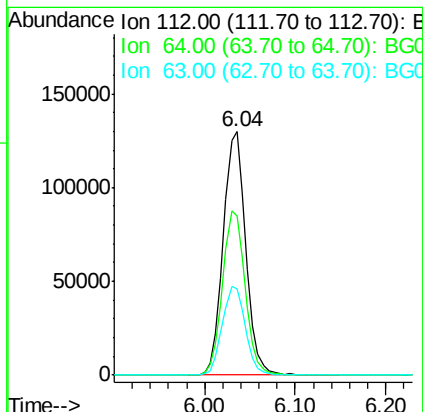
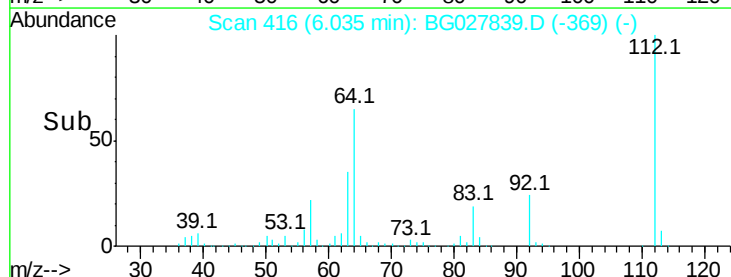
63 35.5 37.2 55.8#

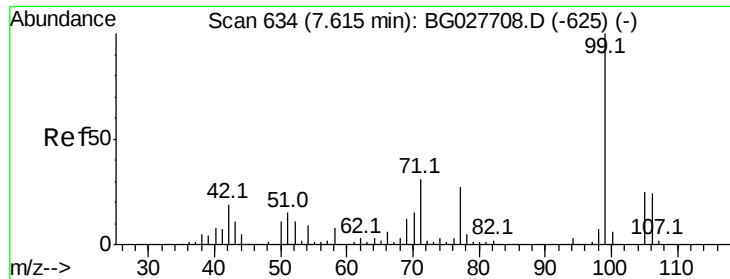


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 111.49 ng

RT: 7.60 min Scan# 682

Delta R.T. -0.02 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

Instrument :

BNA_G

ClientSampleId :

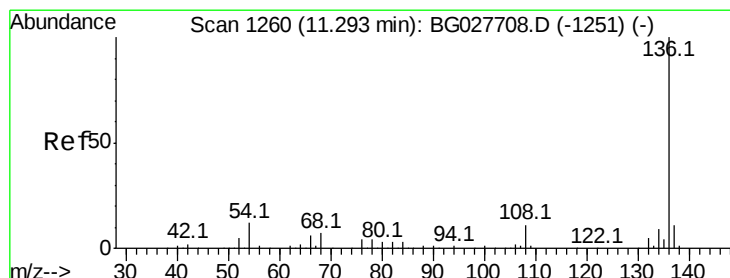
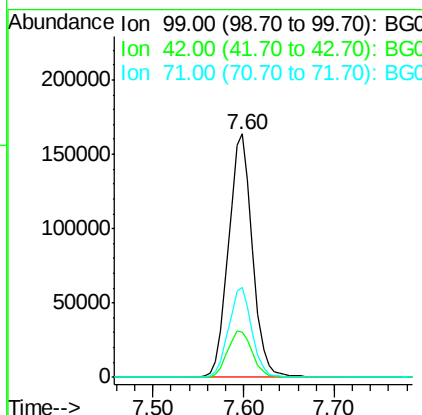
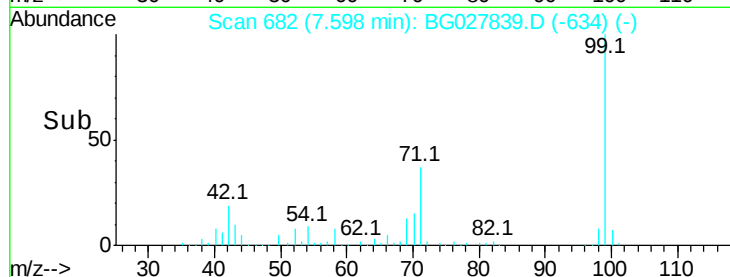
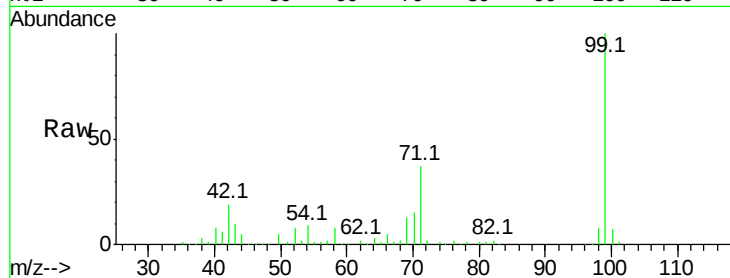
Tot Ion: 99 Resp: 300202

Ion Ratio Lower Upper

99 100

42 18.6 20.5 30.7#

71 36.9 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.27 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

Tgt Ion: 136 Resp: 125944

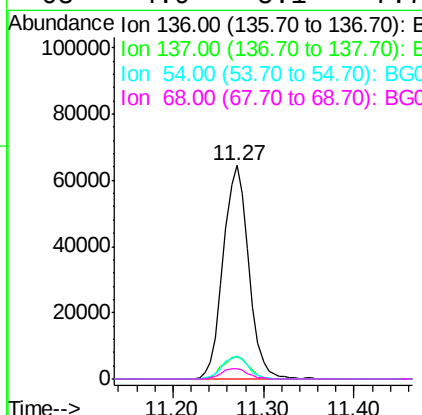
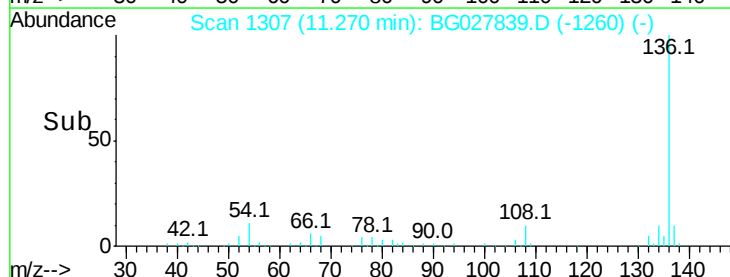
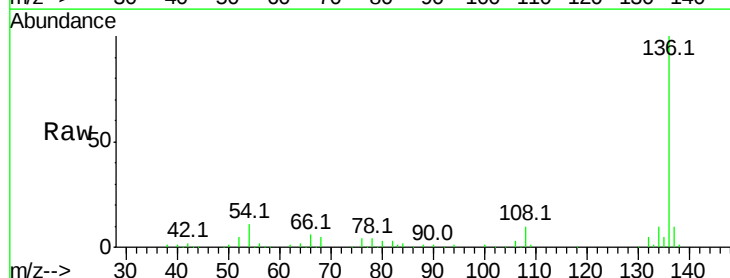
Ion Ratio Lower Upper

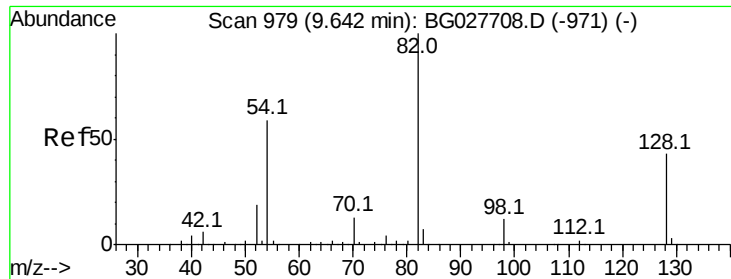
136 100

137 10.0 8.9 13.3

54 11.0 9.3 13.9

68 4.9 5.1 7.7#

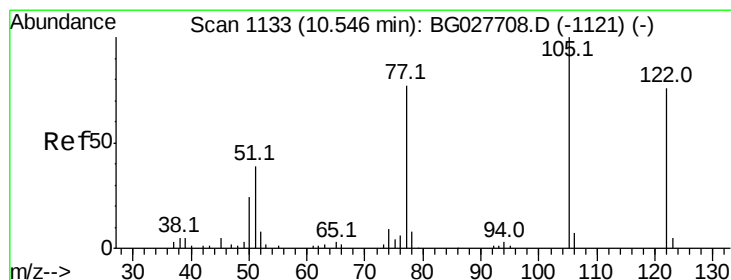
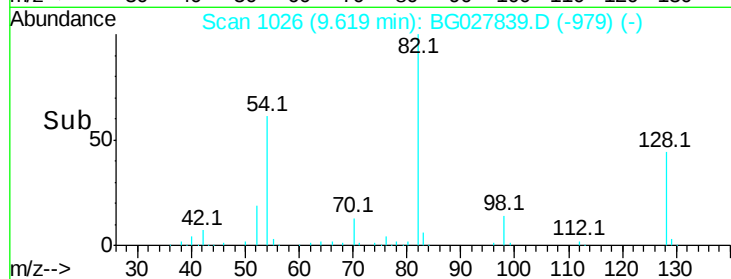
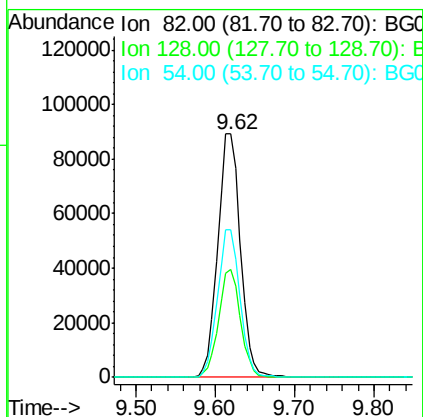
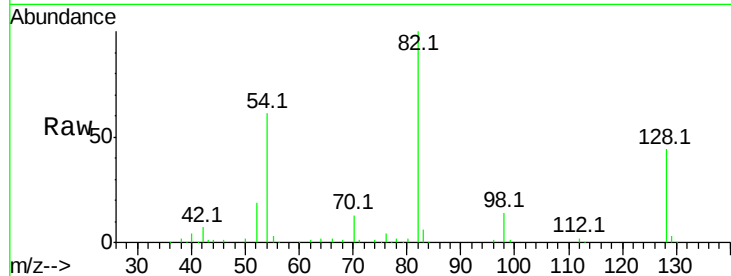




#23
 Nitrobenzene-d5
 Concen: 78.07 ng
 RT: 9.62 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BG027839.D
 Acq: 3 Jul 2017 19:33

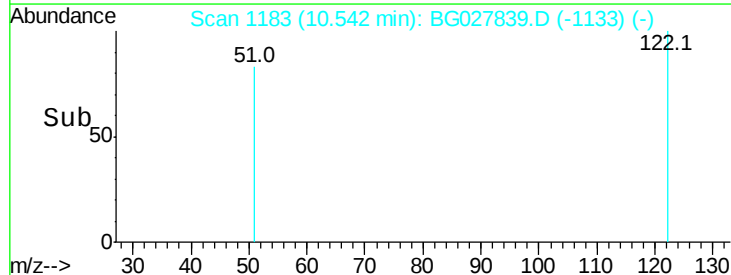
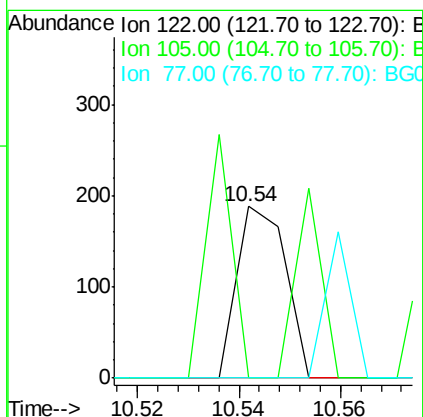
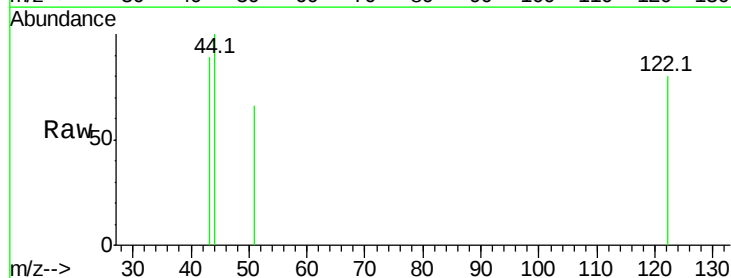
Instrument :
 BNA_G
 ClientSampled :

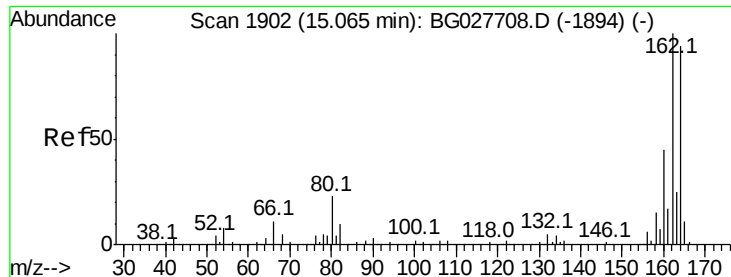
Tot Ion: 82 Resp: 176387
 Ion Ratio Lower Upper
 82 100
 128 44.5 26.4 39.6#
 54 60.6 49.4 74.2



#32
 Benzoic acid
 Concen: 8.95 ng
 RT: 10.54 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BG027839.D
 Acq: 3 Jul 2017 19:33

Tgt Ion: 122 Resp: 125
 Ion Ratio Lower Upper
 122 100
 105 0.0 120.1 160.1#
 77 0.0 104.6 144.6#

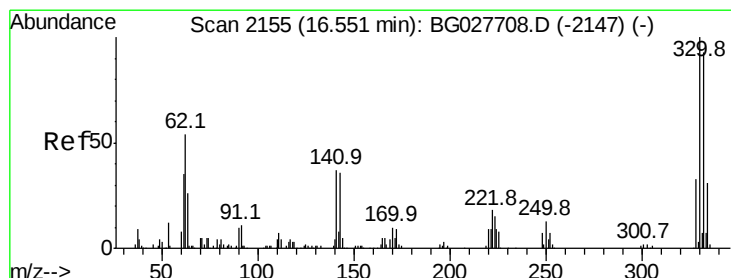
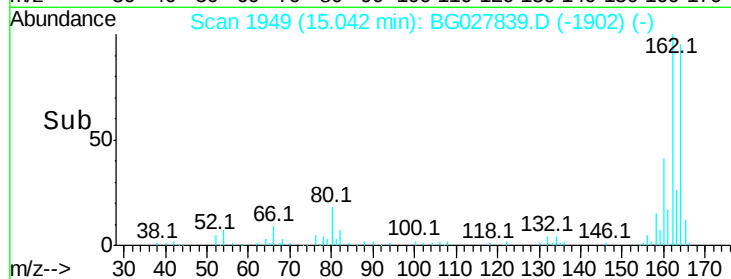
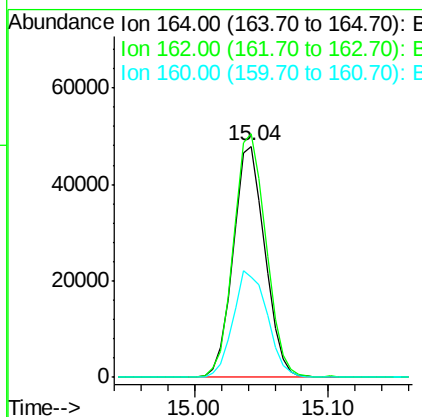
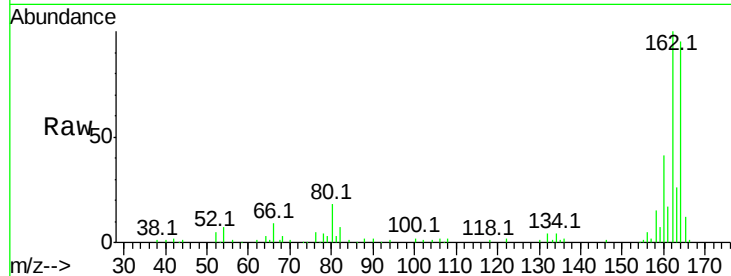




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.04 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BG027839.D
Acq: 3 Jul 2017 19:33

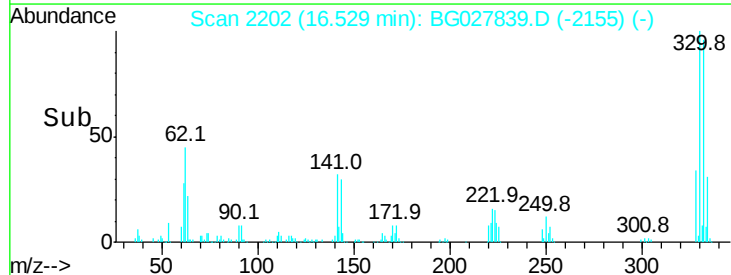
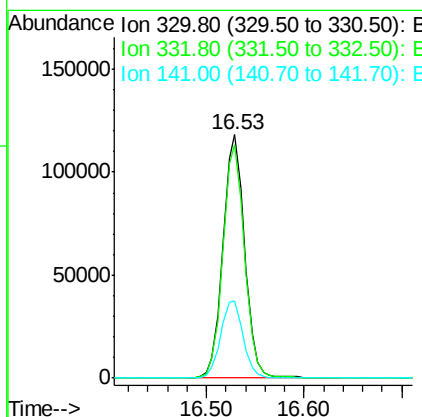
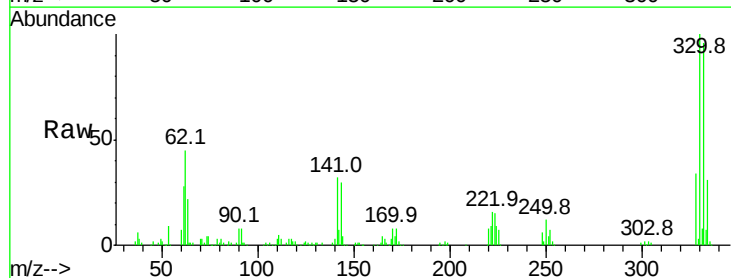
Instrument :
BNA_G
ClientSampleId :

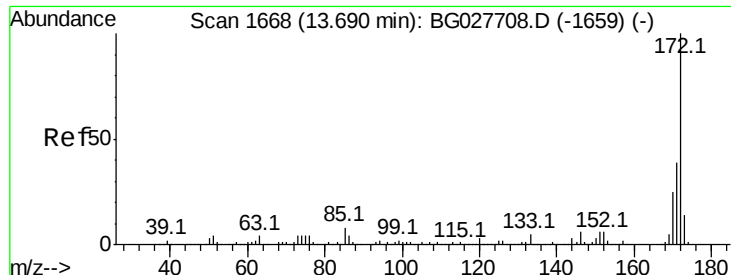
Tot Ion:164 Resp: 79299
Ion Ratio Lower Upper
164 100
162 105.3 85.1 127.7
160 43.4 34.7 52.1



#41
2,4,6-Tribromophenol
Concen: 167.27 ng
RT: 16.53 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BG027839.D
Acq: 3 Jul 2017 19:33

Tgt Ion:330 Resp: 181936
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 33.0 32.1 48.1

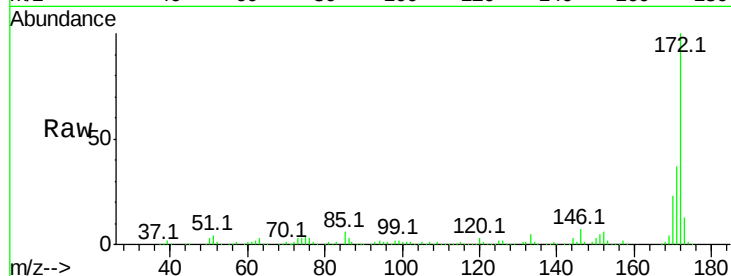




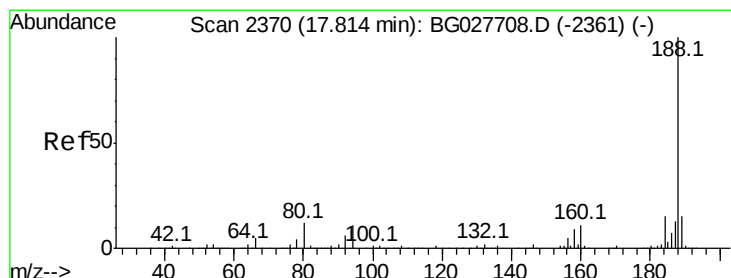
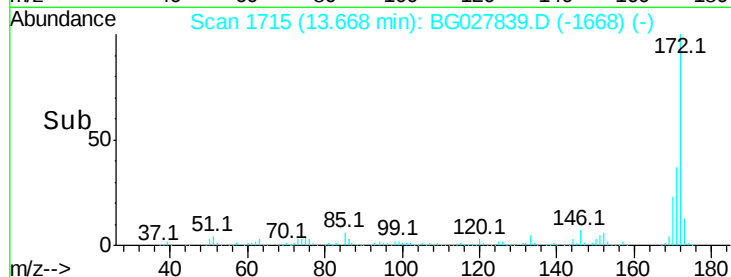
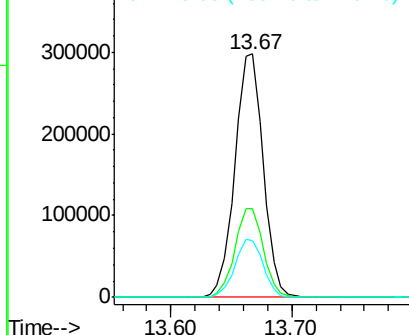
#44
 2-Fluorobiphenyl
 Concen: 87.76 ng
 RT: 13.67 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG027839.D
 Acq: 3 Jul 2017 19:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 487312
 Ion Ratio Lower Upper
 172 100
 171 36.7 32.2 48.2
 170 23.1 21.8 32.6

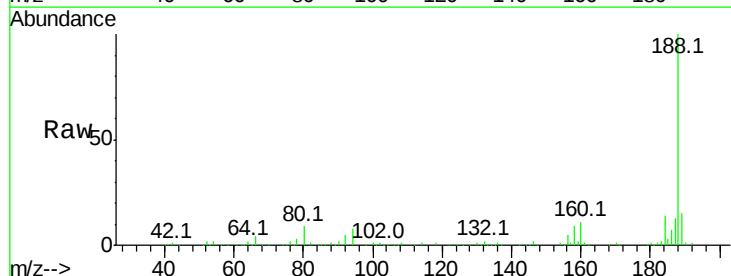


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

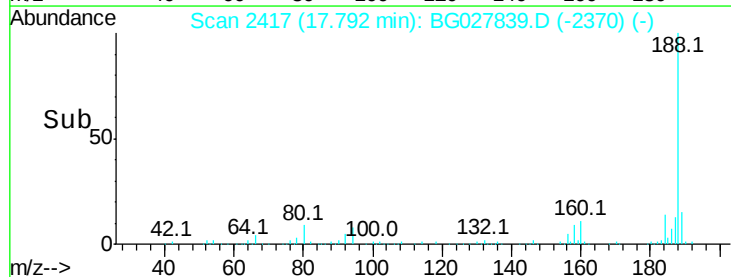
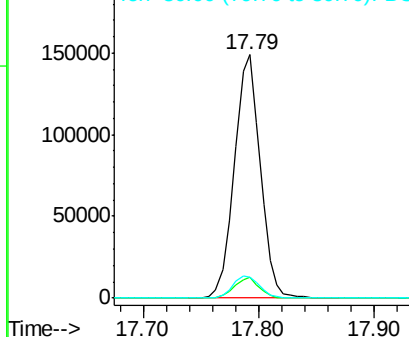


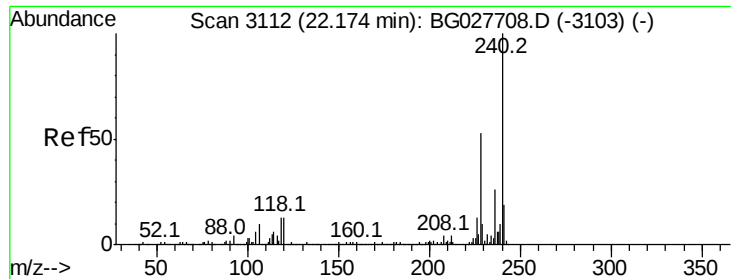
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.79 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BG027839.D
 Acq: 3 Jul 2017 19:33

Tgt Ion:188 Resp: 230932
 Ion Ratio Lower Upper
 188 100
 94 8.4 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): BG
 Ion 80.00 (79.70 to 80.70): BG





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.14 min Scan# 3157

Delta R.T. -0.03 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

Instrument :

BNA_G

ClientSampleId :

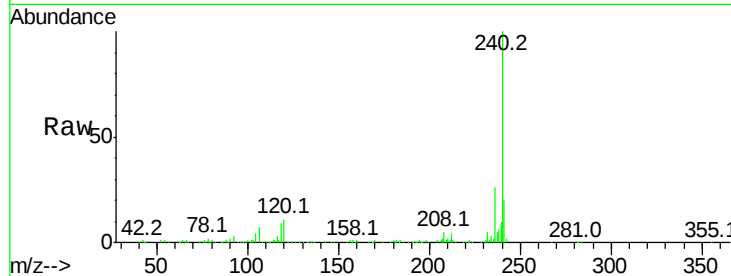
Tot Ion:240 Resp: 254088

Ion Ratio Lower Upper

240 100

120 11.0 5.7 8.5#

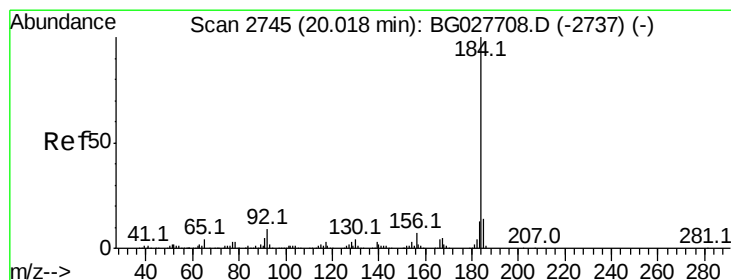
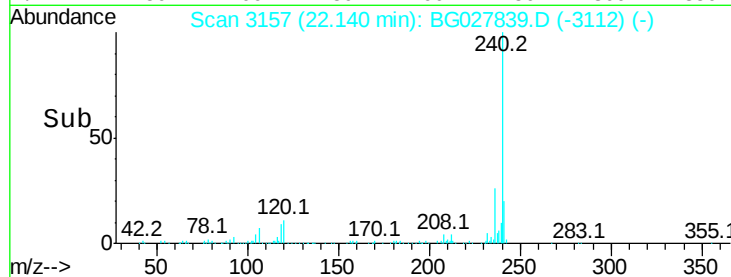
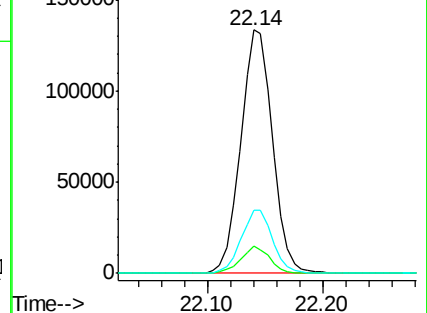
236 26.0 22.2 33.4



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: 3.23 ng

RT: 20.04 min Scan# 2800

Delta R.T. 0.03 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

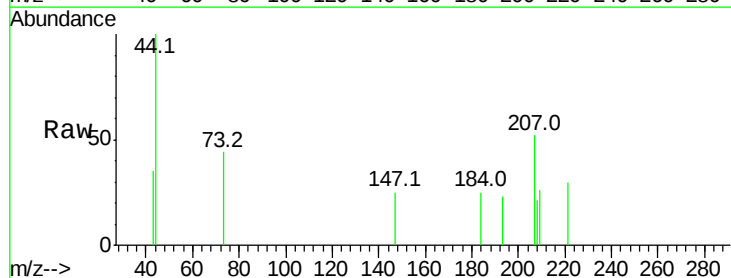
Tgt Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

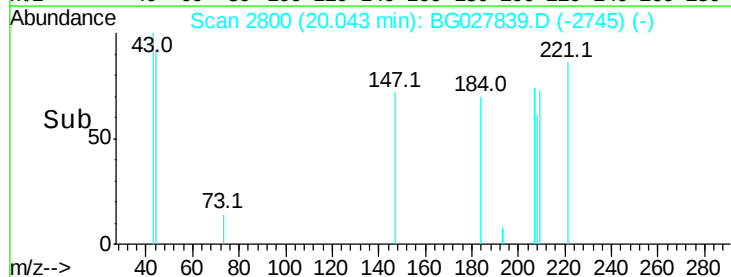
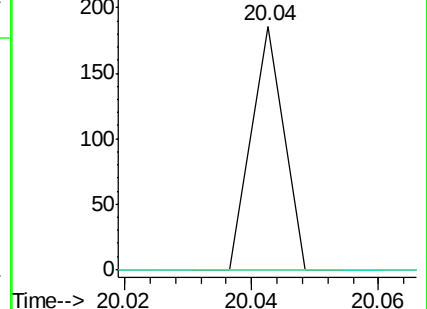
183 0.0 11.0 16.6#

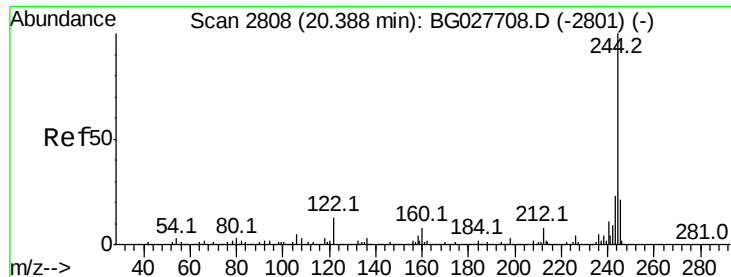


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.40 ng

RT: 20.37 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

Instrument :

BNA_G

ClientSampled :

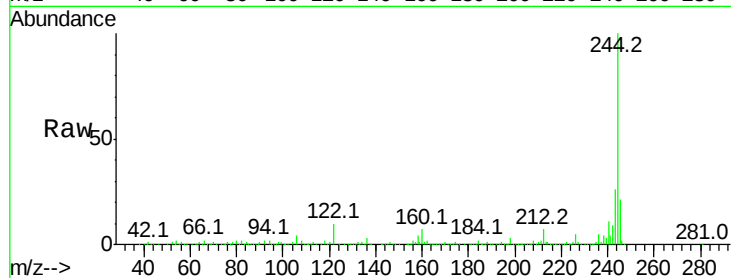
Tot Ion:244 Resp: 1023165

Ion	Ratio	Lower	Upper
244	100		
212	7.4	10.0	15.0#
122	9.8	8.6	12.8

244 100

212 7.4 10.0 15.0#

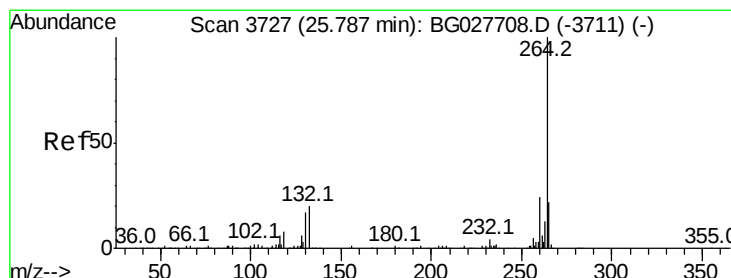
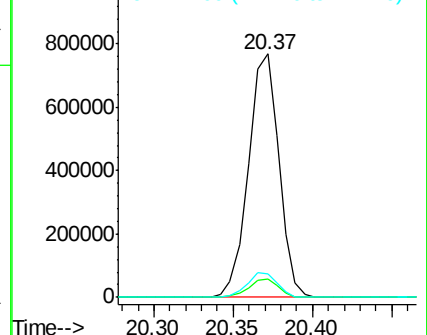
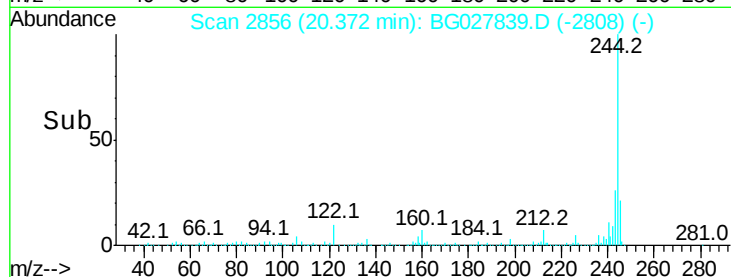
122 9.8 8.6 12.8



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: 25.73 min Scan# 3768

Delta R.T. -0.06 min

Lab File: BG027839.D

Acq: 3 Jul 2017 19:33

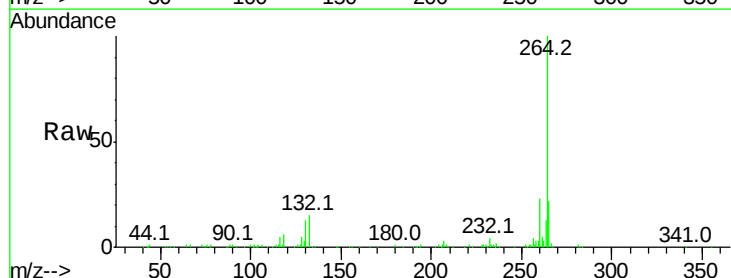
Tgt Ion:264 Resp: 252651

Ion	Ratio	Lower	Upper
264	100		
260	22.7	21.8	32.8
265	22.1	18.2	27.4

264 100

260 22.7 21.8 32.8

265 22.1 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

