

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070517\
 Data File : BG027855.D
 Acq On : 5 Jul 2017 19:50
 Operator : SJ/JU
 Sample : I4049-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 06 01:00:25 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

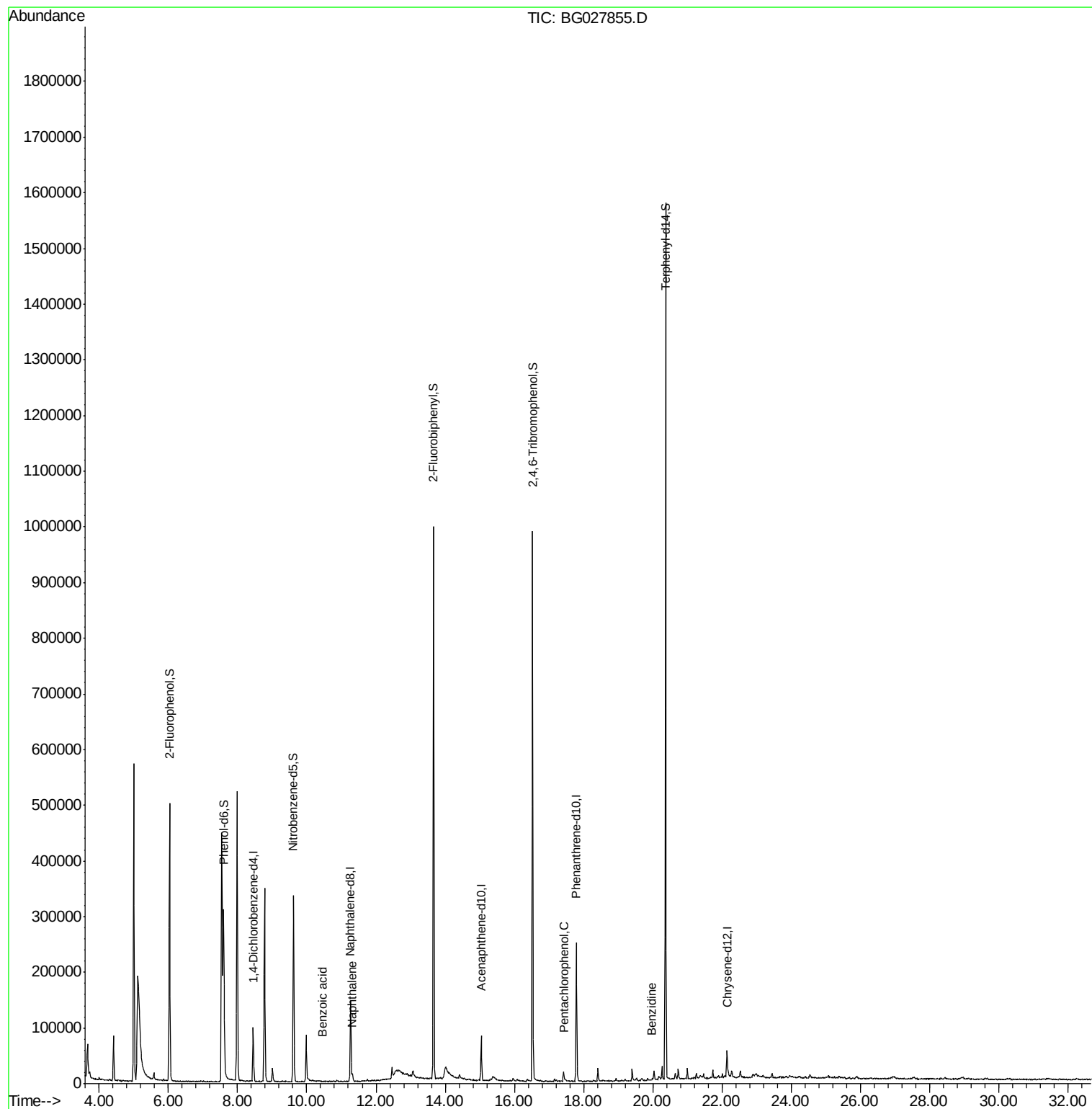
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	28194	20.00	ng	-0.03
21) Naphthalene-d8	11.27	136	128920	20.00	ng	-0.03
38) Acenaphthene-d10	15.04	164	20459	20.00	ng	-0.03
63) Phenanthrene-d10	17.79	188	112058	20.00	ng	-0.03
75) Chrysene-d12	22.14	240	13669	20.00	ng	-0.04
86) Perylene-d12	0.00	264	0	0.00	ng	-25.79
System Monitoring Compounds						
5) 2-Fluorophenol	6.03	112	219955	120.14	ng	-0.03
7) Phenol-d6	7.59	99	108604	38.83	ng	-0.02
23) Nitrobenzene-d5	9.62	82	206453	89.26	ng	-0.03
41) 2,4,6-Tribromophenol	16.52	330	201965	719.72	ng	-0.03
44) 2-Fluorobiphenyl	13.66	172	522466	364.71	ng	-0.03
78) Terphenyl-d14	20.37	244	505664	867.26	ng	-0.02
Target Compounds						
31) Naphthalene	11.32	128	14578	2.13	ng	Qvalue 98
32) Benzoic acid	10.44	122	59	8.90	ng	# 1
69) Pentachlorophenol	17.45	266	178	6.38	ng	# 20
76) Benzidine	19.96	184	63	3.40	ng	# 64

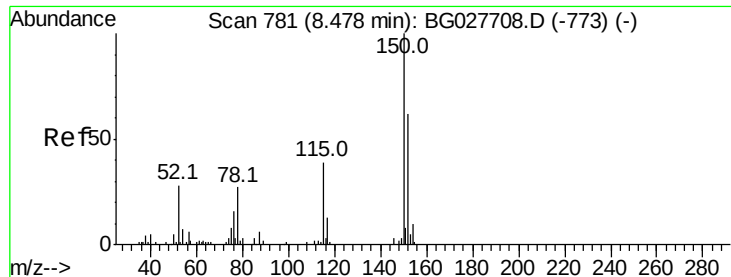
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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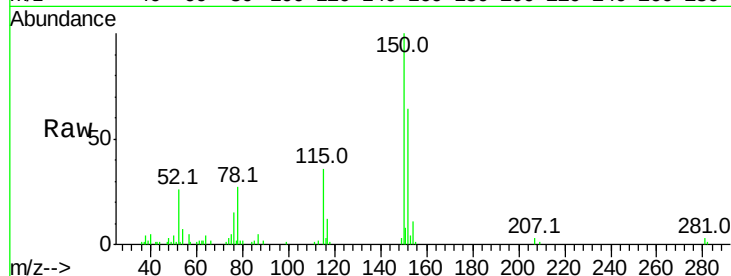


#1

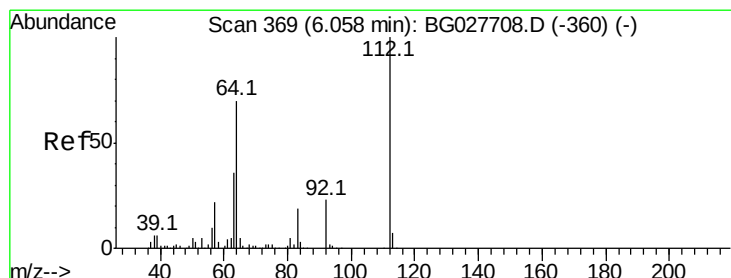
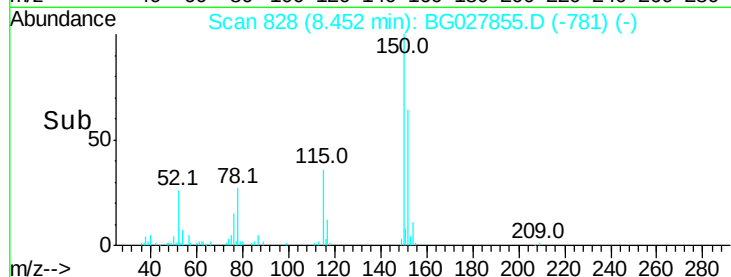
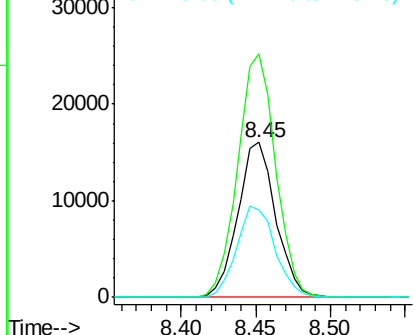
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.45 min Scan# 828
Delta R.T. -0.03 min
Lab File: BG027855.D
Acq: 5 Jul 2017 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28194
Ion Ratio Lower Upper
152 100
150 156.8 114.0 171.0
115 56.4 48.1 72.1



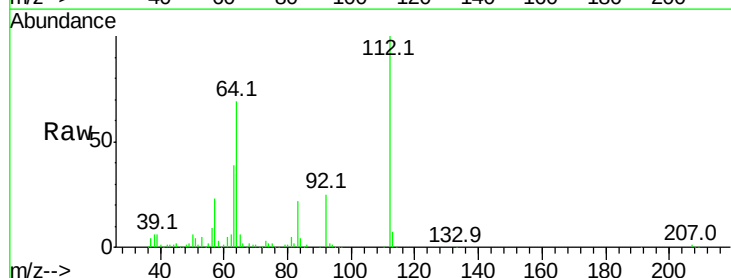
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



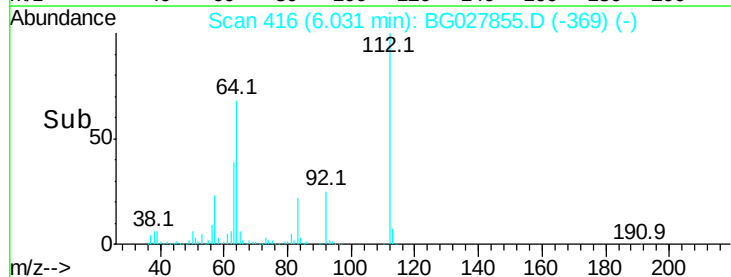
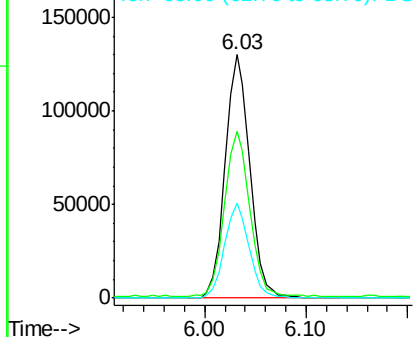
#5

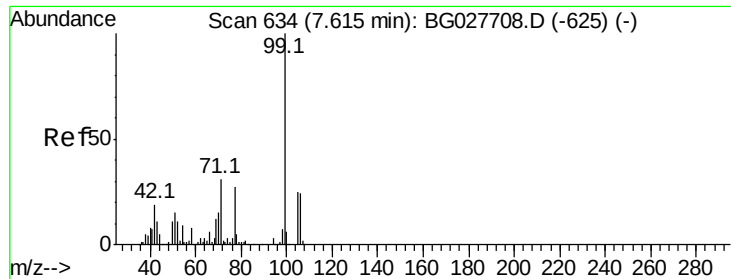
2-Fluorophenol
Concen: 120.14 ng
RT: 6.03 min Scan# 416
Delta R.T. -0.03 min
Lab File: BG027855.D
Acq: 5 Jul 2017 19:50

Tgt Ion:112 Resp: 219955
Ion Ratio Lower Upper
112 100
64 68.6 61.8 92.6
63 38.8 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: 38.83 ng

RT: 7.59 min Scan# 682

Delta R.T. -0.02 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Instrument :

BNA_G

ClientSampleId :

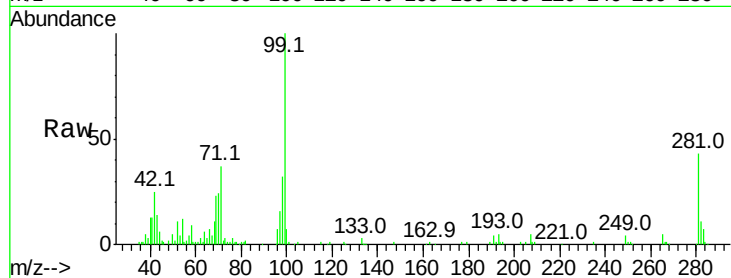
Tot Ion: 99 Resp: 108604

Ion Ratio Lower Upper

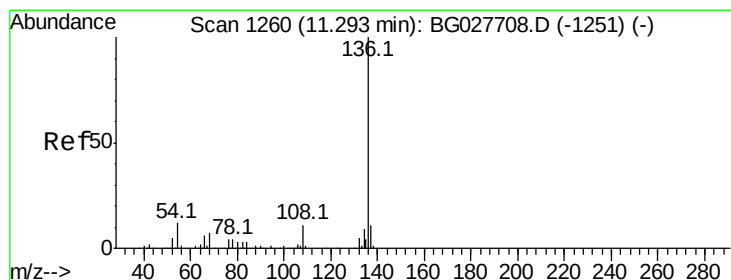
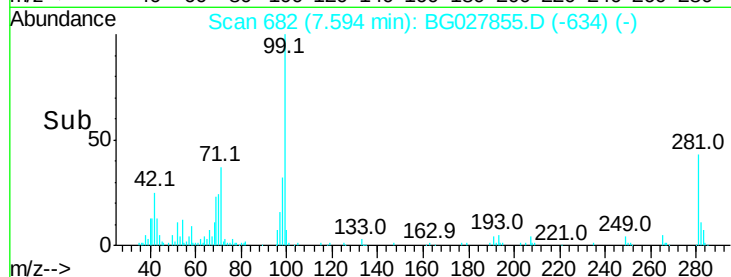
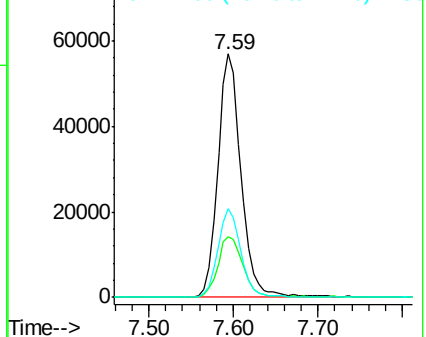
99 100

42 24.7 20.5 30.7

71 36.6 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: 11.27 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Tgt Ion: 136 Resp: 128920

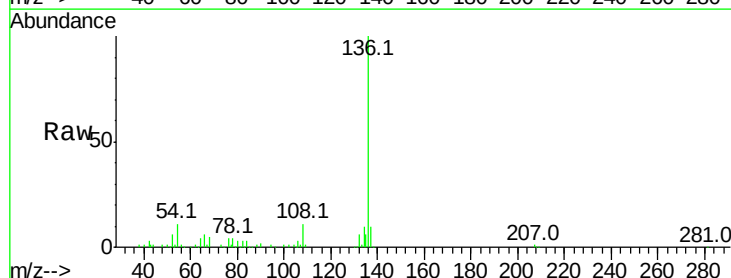
Ion Ratio Lower Upper

136 100

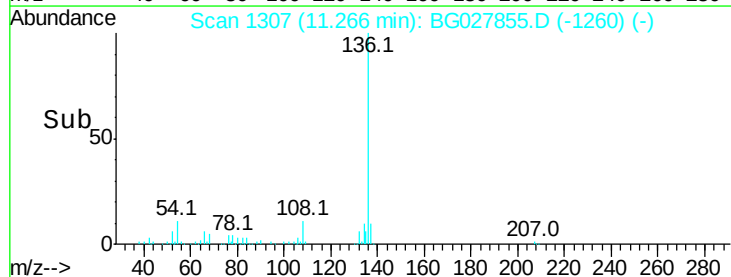
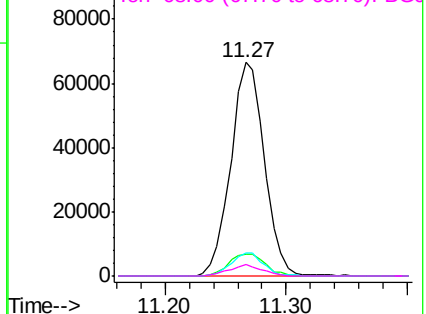
137 10.3 8.9 13.3

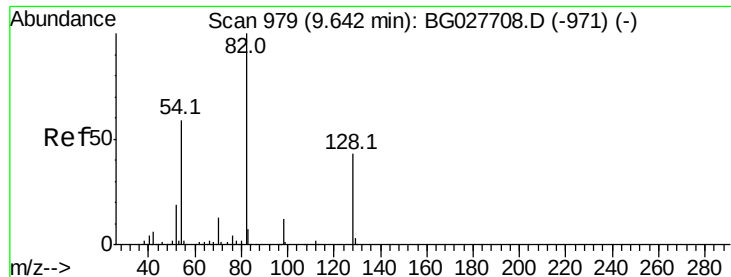
54 10.9 9.3 13.9

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

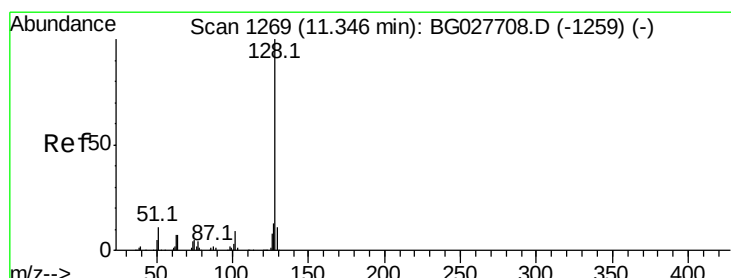
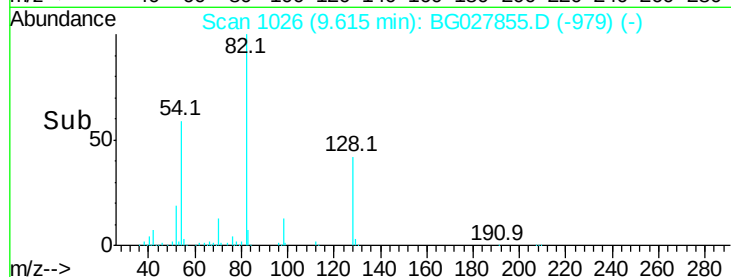
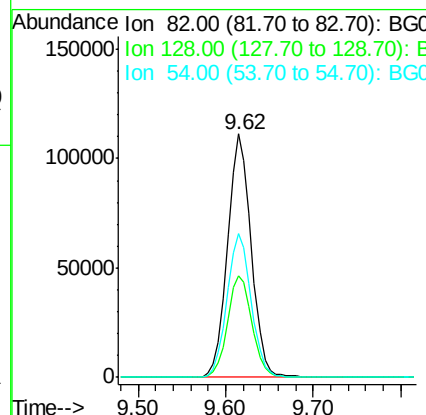
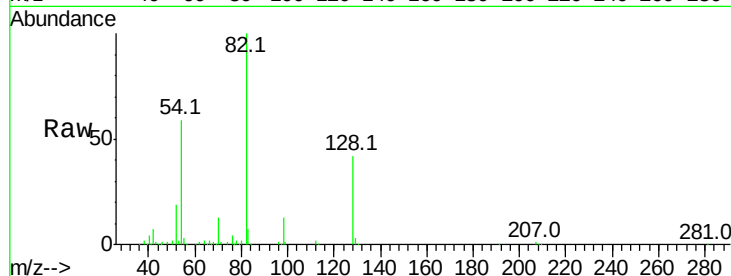




#23
 Nitrobenzene-d5
 Concen: 89.26 ng
 RT: 9.62 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BG027855.D
 Acq: 5 Jul 2017 19:50

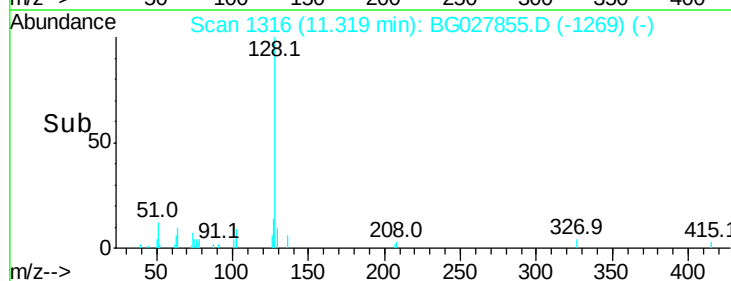
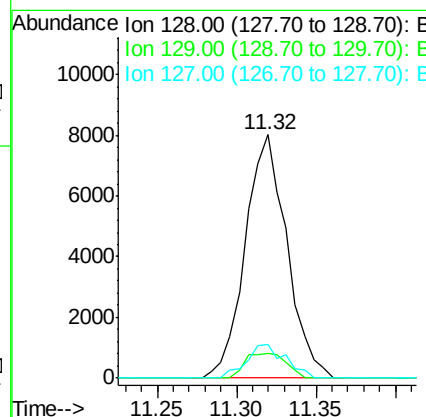
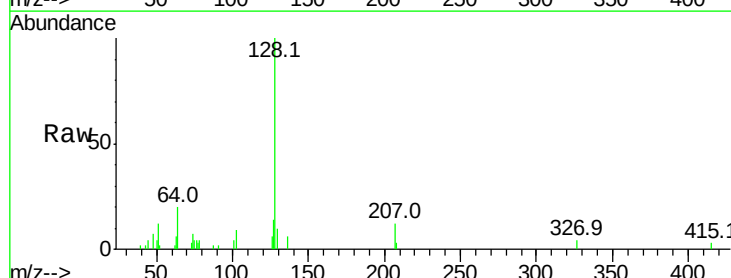
Instrument :
 BNA_G
 ClientSampled :

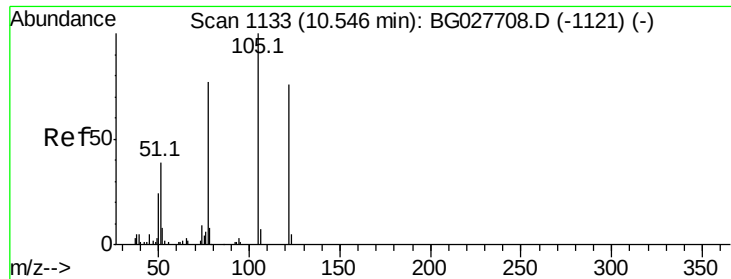
Tot Ion: 82 Resp: 206453
 Ion Ratio Lower Upper
 82 100
 128 41.8 26.4 39.6#
 54 59.0 49.4 74.2



#31
 Naphthalene
 Concen: 2.13 ng
 RT: 11.32 min Scan# 1316
 Delta R.T. -0.03 min
 Lab File: BG027855.D
 Acq: 5 Jul 2017 19:50

Tgt Ion: 128 Resp: 14578
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.3 13.9
 127 13.9 11.4 17.0





#32

Benzoic acid

Concen: 8.90 ng

RT: 10.44 min Scan# 1167

Delta R.T. -0.10 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Instrument :

BNA_G

ClientSampleId :

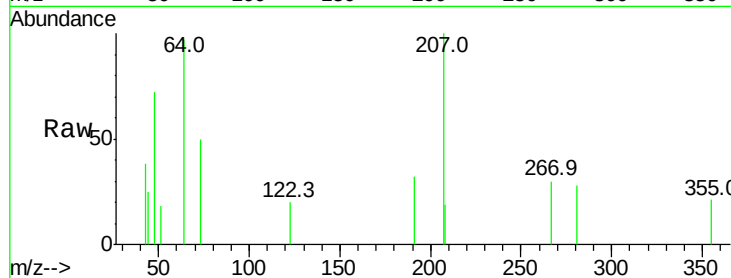
Tot Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

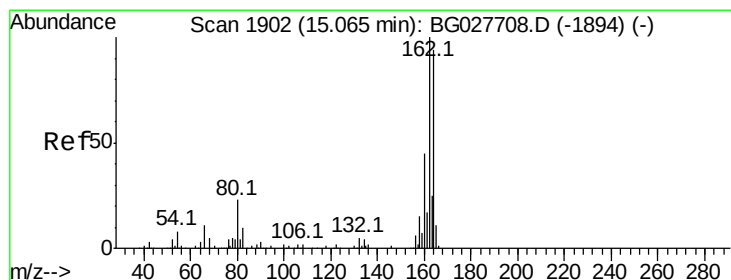
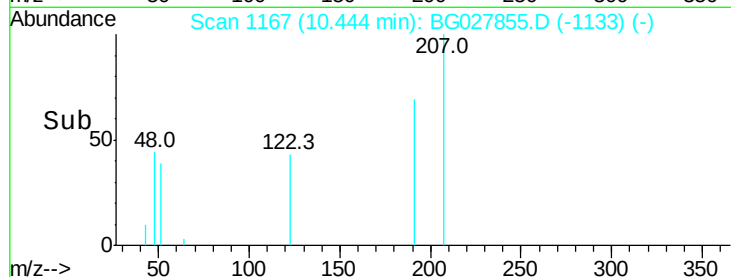
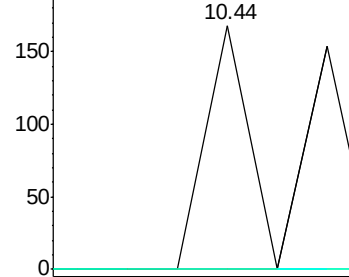
77 0.0 104.6 144.6#



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): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.04 min Scan# 1949

Delta R.T. -0.03 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

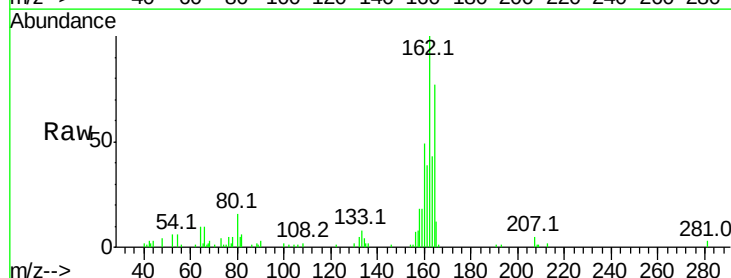
Tgt Ion:164 Resp: 20459

Ion Ratio Lower Upper

164 100

162 130.0 85.1 127.7#

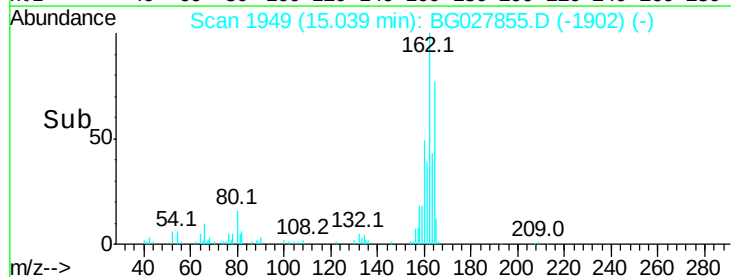
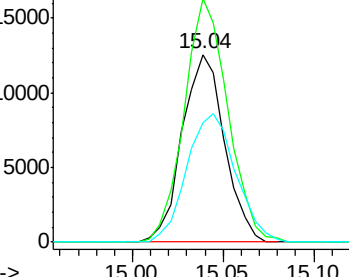
160 63.8 34.7 52.1#

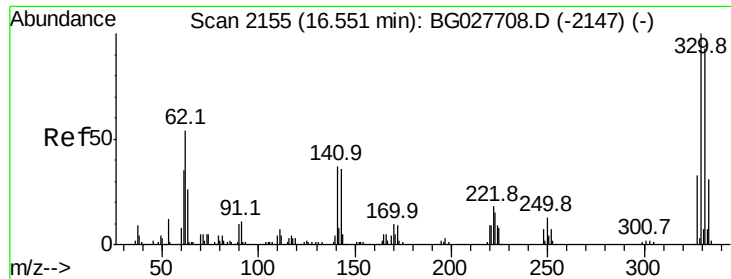


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

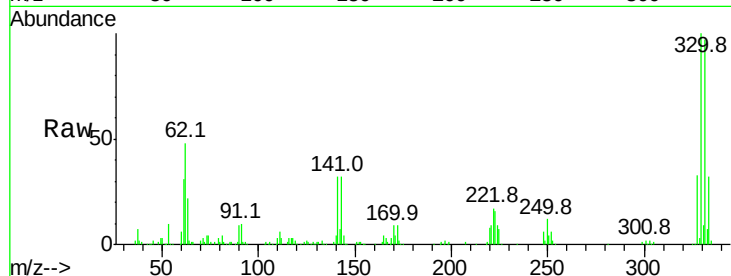




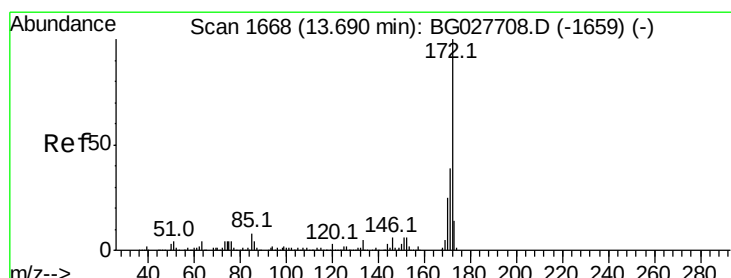
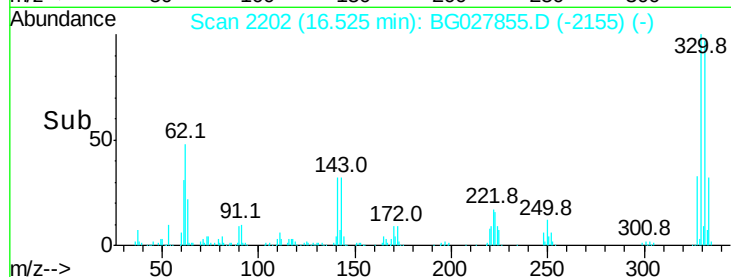
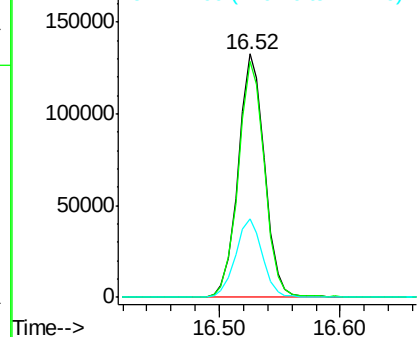
#41
 2,4,6-Tribromophenol
 Concen: 719.72 ng
 RT: 16.52 min Scan# 2202
 Delta R.T. -0.03 min
 Lab File: BG027855.D
 Acq: 5 Jul 2017 19:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	32.9	32.1	48.1

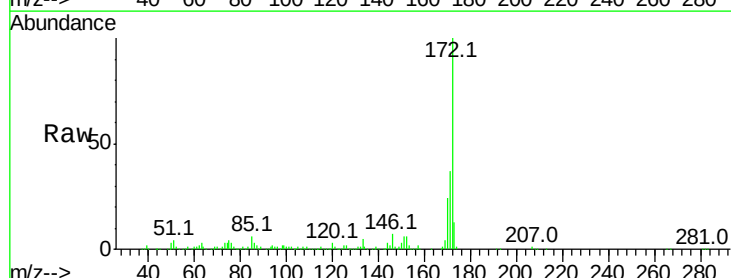


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

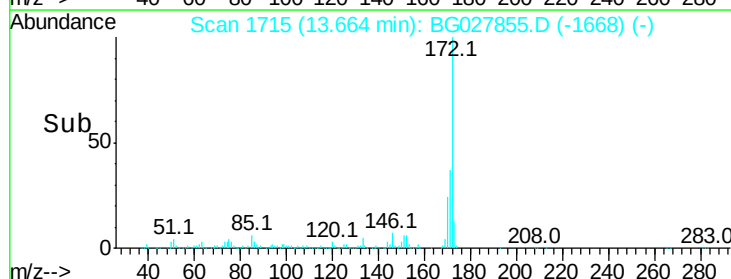
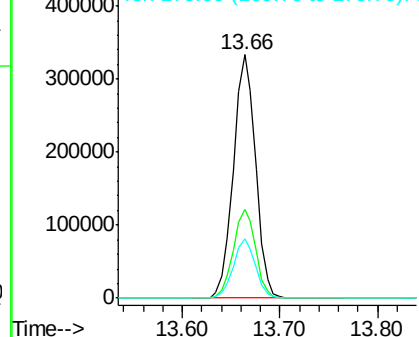


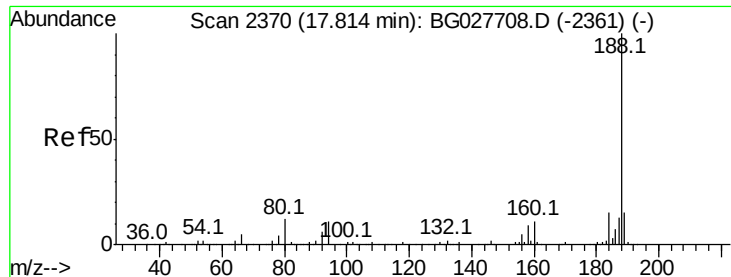
#44
 2-Fluorobiphenyl
 Concen: 364.71 ng
 RT: 13.66 min Scan# 1715
 Delta R.T. -0.03 min
 Lab File: BG027855.D
 Acq: 5 Jul 2017 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	32.2	48.2
170	24.1	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. -0.03 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Instrument :

BNA_G

ClientSampleId :

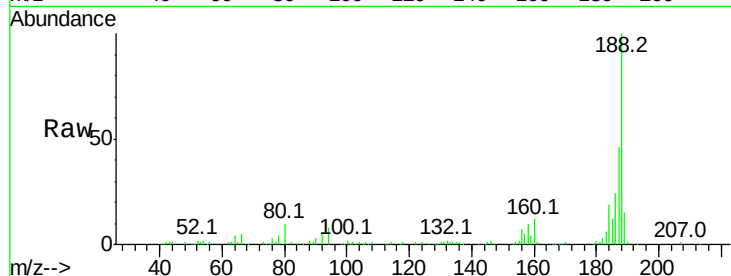
Tot Ion:188 Resp: 112058

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.8

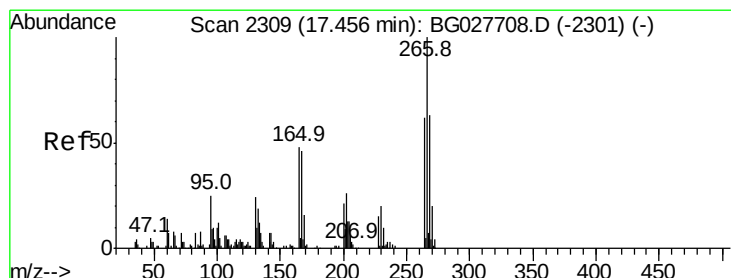
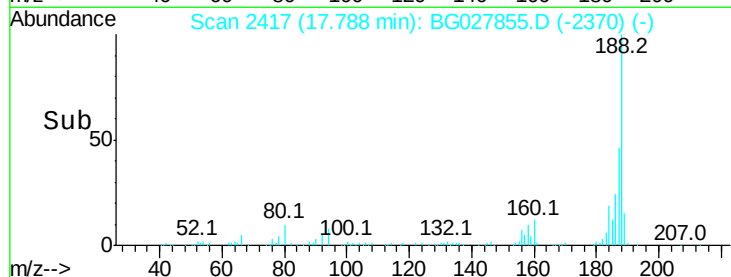
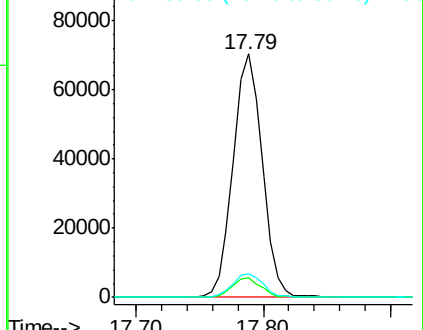
80 9.7 7.5 11.3



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



#69

Pentachlorophenol

Concen: 6.38 ng

RT: 17.45 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

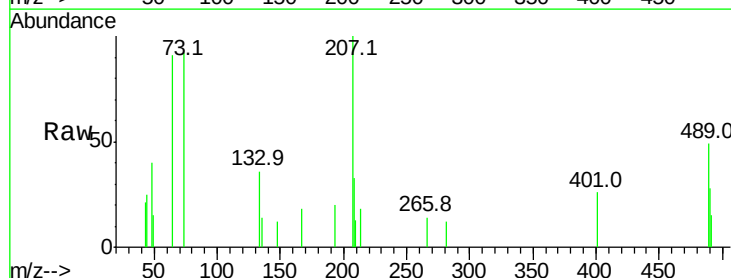
Tgt Ion:266 Resp: 178

Ion Ratio Lower Upper

266 100

268 0.0 48.6 72.8#

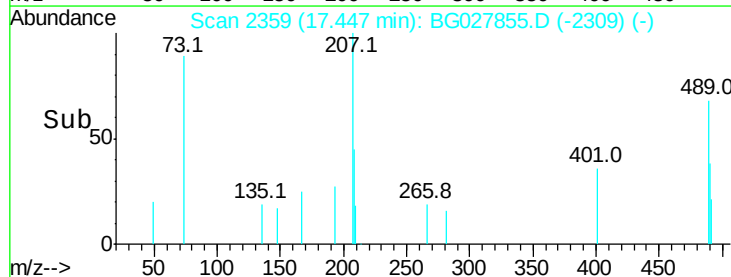
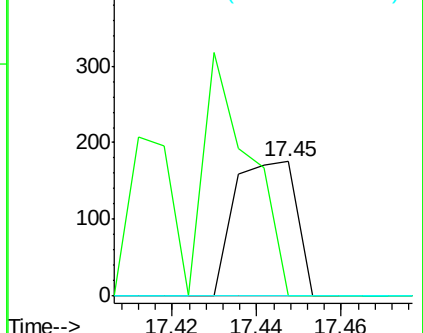
264 0.0 50.1 75.1#

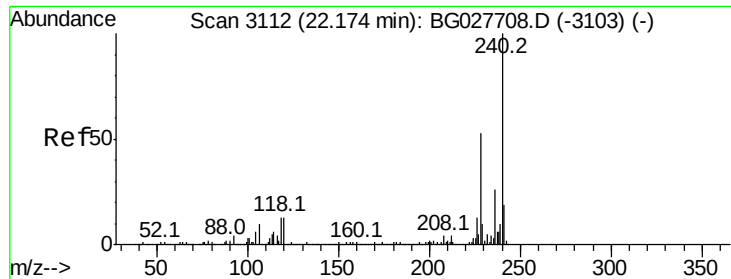


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.14 min Scan# 3157

Delta R.T. -0.04 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Instrument :

BNA_G

ClientSampleId :

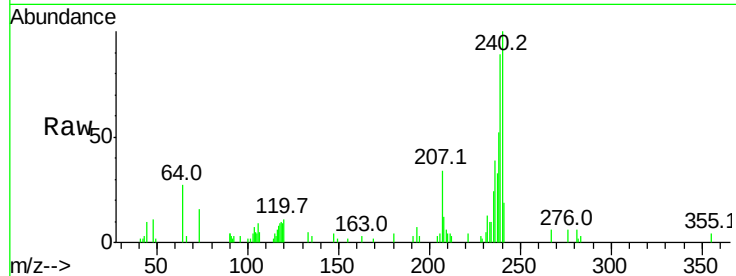
Tot Ion:240 Resp: 13669

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

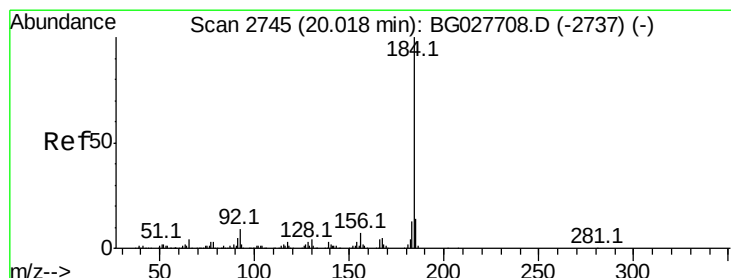
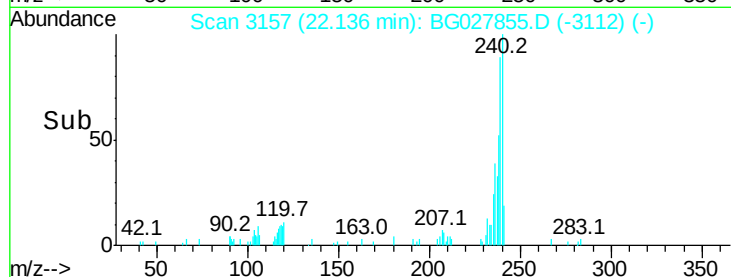
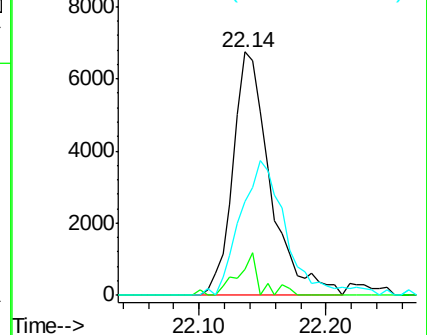
236 38.6 22.2 33.4#



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: 3.40 ng

RT: 19.96 min Scan# 2786

Delta R.T. -0.06 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

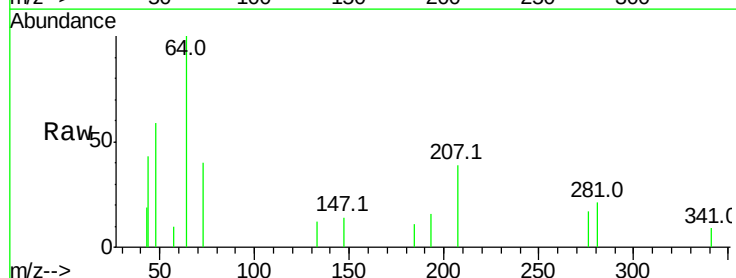
Tgt Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

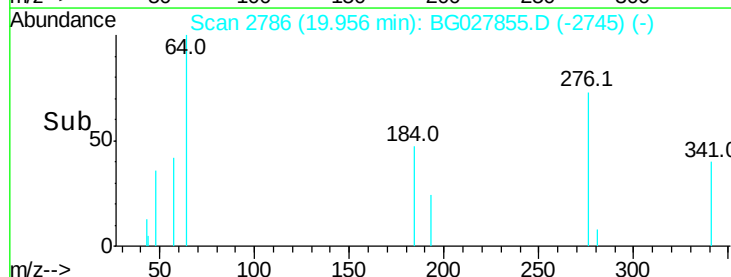
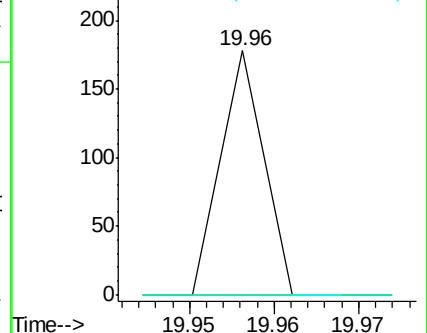
183 0.0 11.0 16.6#

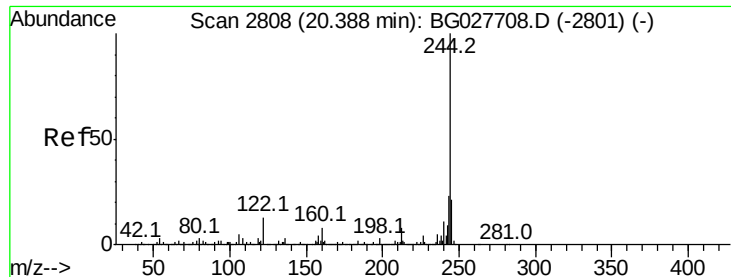


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 867.26 ng

RT: 20.37 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Instrument :

BNA_G

ClientSampleId :

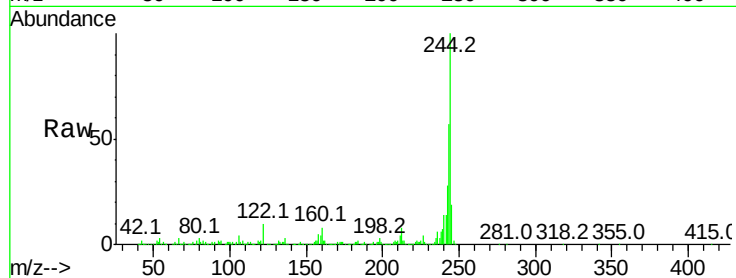
Tot Ion: 244 Resp: 505664

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

122 9.5 8.6 12.8

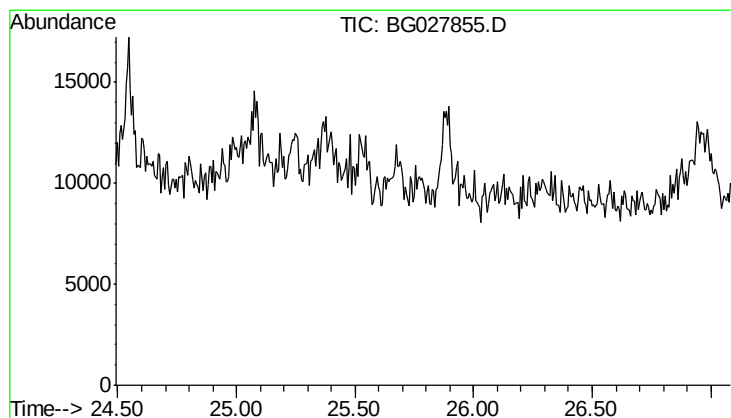
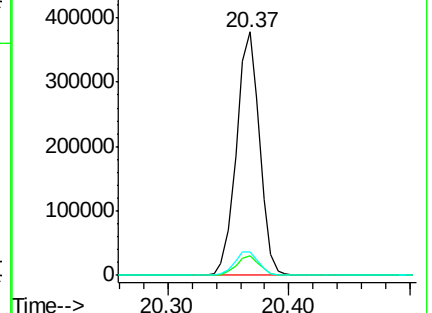
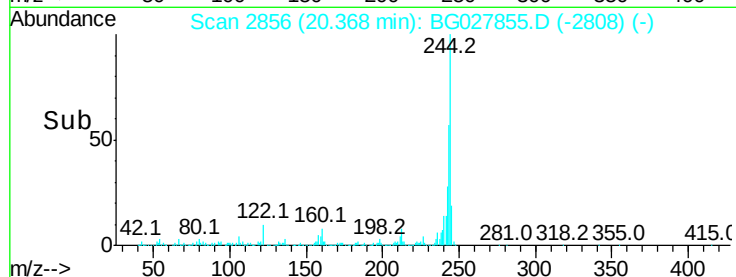


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.37



#86

Perylene-d12

Concen: 0.00 ng

Expected RT: 25.79 min

Lab File: BG027855.D

Acq: 5 Jul 2017 19:50

Tgt Ion: 264

Sig Exp Ratio

264 100

260 27.3

265 22.8

