

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG062217\
 Data File : BG027616.D
 Acq On : 23 Jun 2017 4:39
 Operator : SJ/JU
 Sample : I3808-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-002-COMP

Quant Time: Jun 23 07:05:05 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

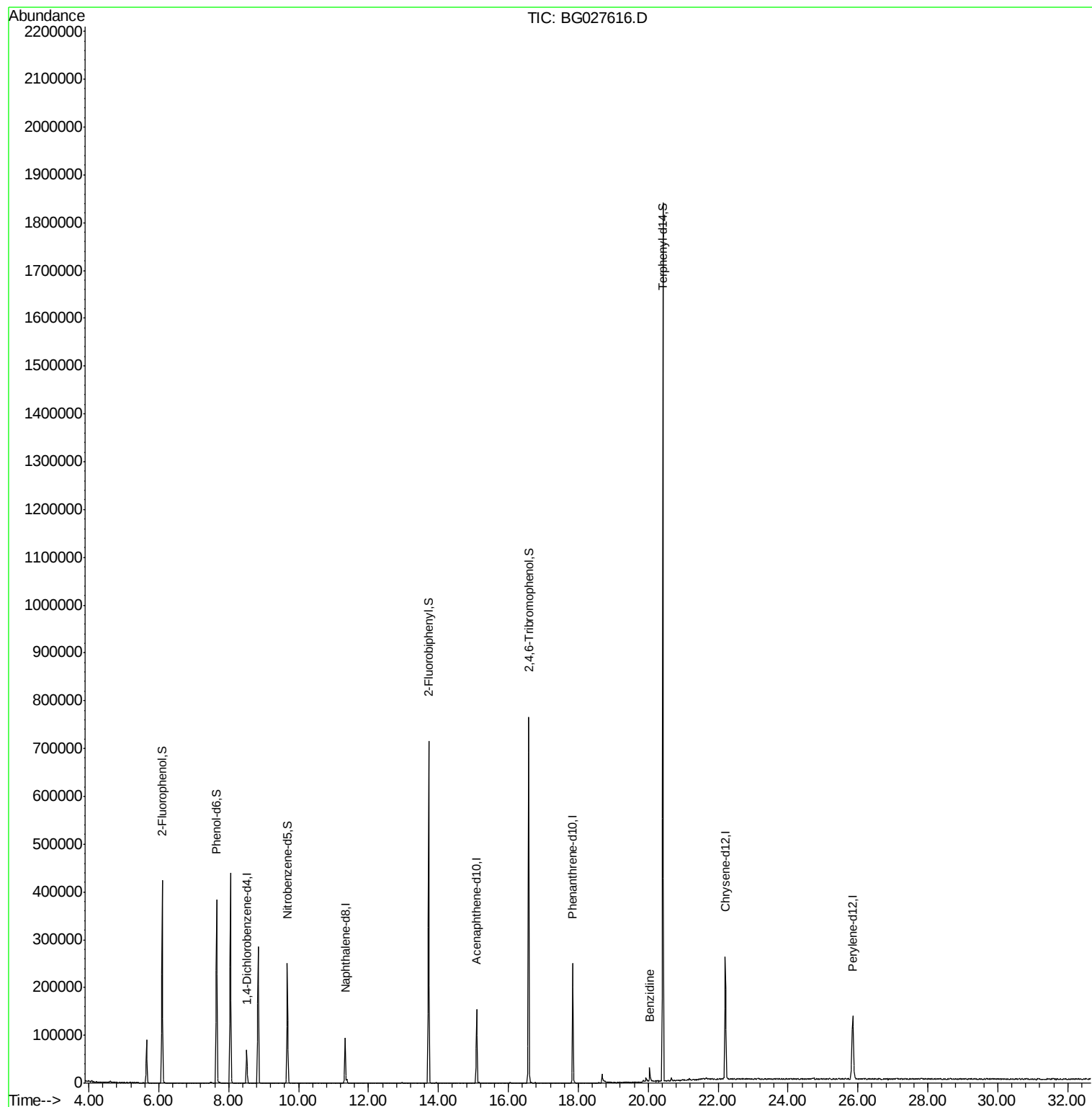
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	18508	20.00	ng	0.00
21) Naphthalene-d8	11.33	136	82280	20.00	ng	0.00
38) Acenaphthene-d10	15.09	164	51163	20.00	ng	0.00
63) Phenanthrene-d10	17.84	188	153169	20.00	ng	0.00
75) Chrysene-d12	22.21	240	176802	20.00	ng	0.00
86) Perylene-d12	25.85	264	166898	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	173904	133.73	ng	0.00
7) Phenol-d6	7.65	99	212941	110.61	ng	0.00
23) Nitrobenzene-d5	9.68	82	161171	92.69	ng	0.00
41) 2,4,6-Tribromophenol	16.58	330	135598	177.77	ng	0.00
44) 2-Fluorobiphenyl	13.72	172	354542	94.66	ng	0.00
78) Terphenyl-d14	20.42	244	823939	109.80	ng	0.00
Target Compounds						
76) Benzidine	20.05	184	22942	5.29	ng	Qvalue # 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.52 min Scan# 788

Delta R.T. 0.01 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

Instrument :

BNA_G

ClientSampleId :

DRUM-002-COMP

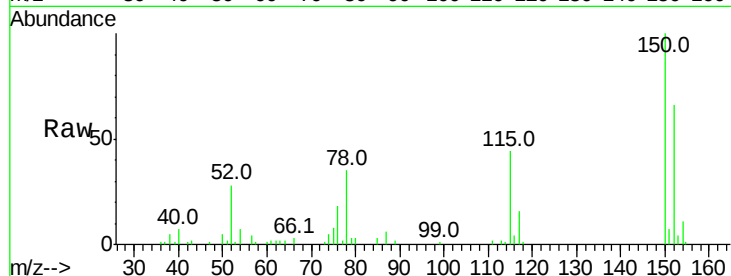
Tot Ion:152 Resp: 18508

Ion Ratio Lower Upper

152 100

150 150.8 114.0 171.0

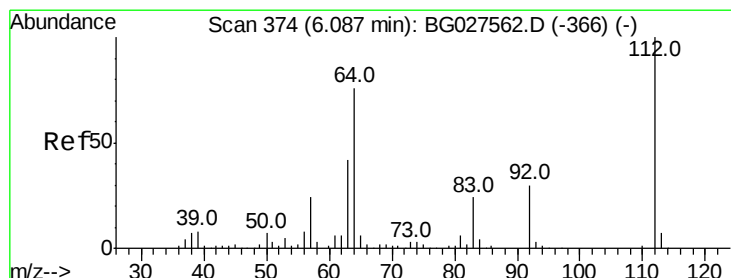
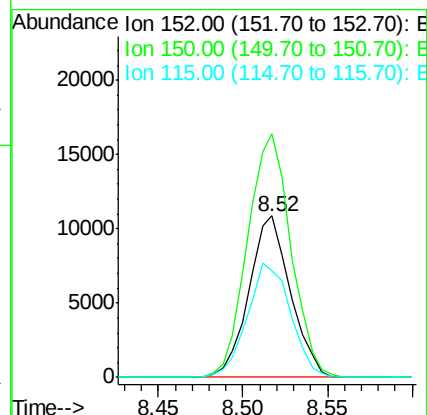
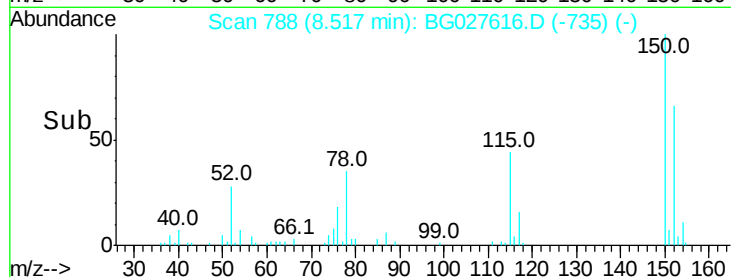
115 66.3 48.1 72.1



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: 133.73 ng

RT: 6.10 min Scan# 376

Delta R.T. 0.01 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

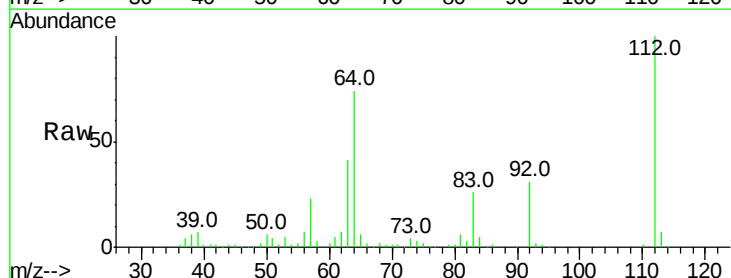
Tgt Ion:112 Resp: 173904

Ion Ratio Lower Upper

112 100

64 73.7 61.8 92.6

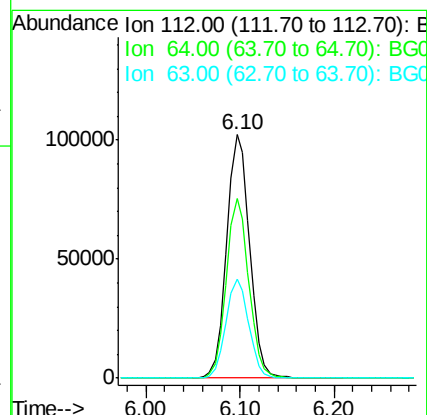
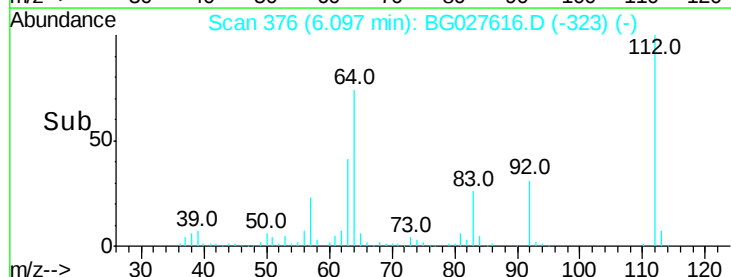
63 40.8 37.2 55.8

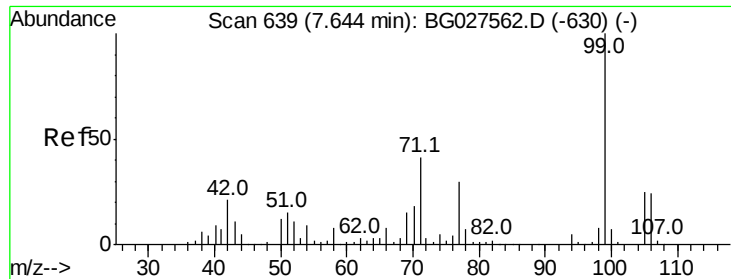


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 110.61 ng

RT: 7.65 min Scan# 641

Delta R.T. 0.01 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

Instrument :

BNA_G

ClientSampleId :

DRUM-002-COMP

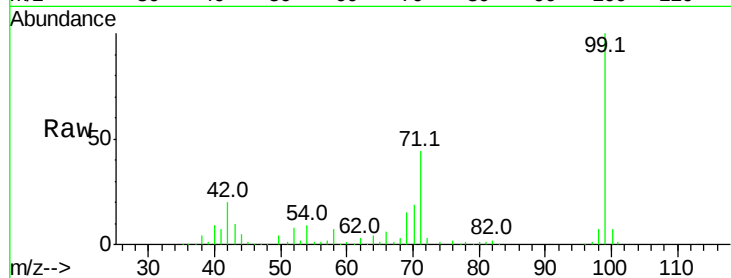
Tot Ion: 99 Resp: 212941

Ion Ratio Lower Upper

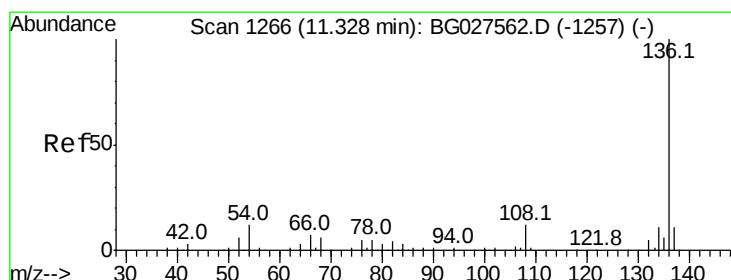
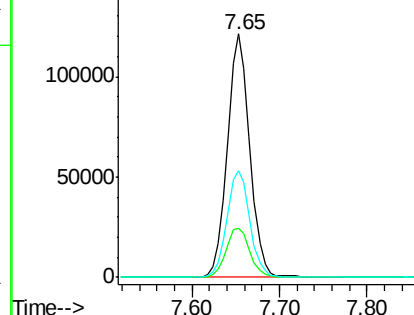
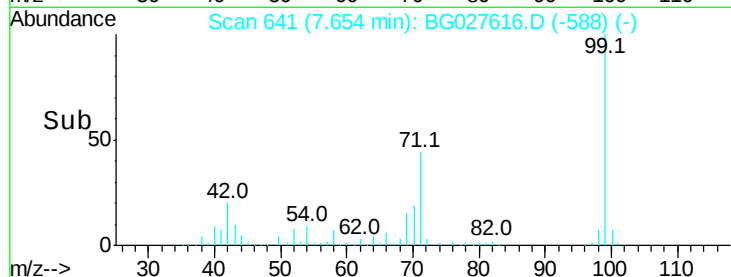
99 100

42 20.3 20.5 30.7#

71 43.8 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: 11.33 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

Tgt Ion: 136 Resp: 82280

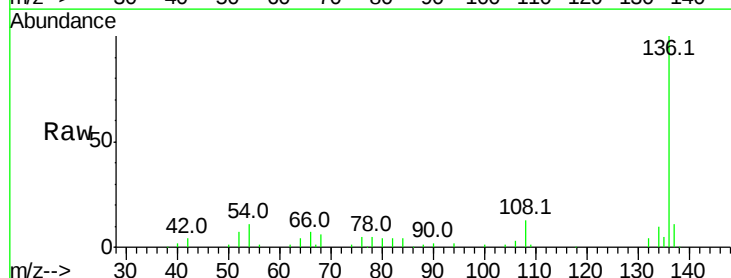
Ion Ratio Lower Upper

136 100

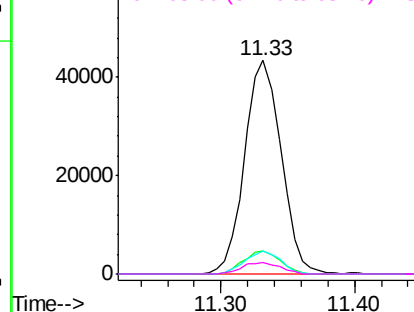
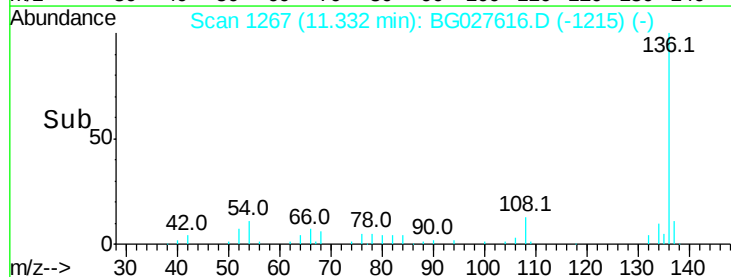
137 11.0 8.9 13.3

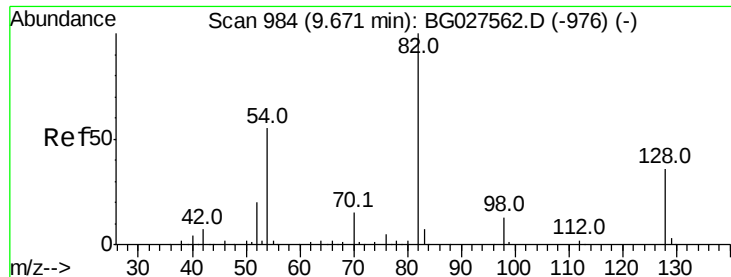
54 10.5 9.3 13.9

68 5.6 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

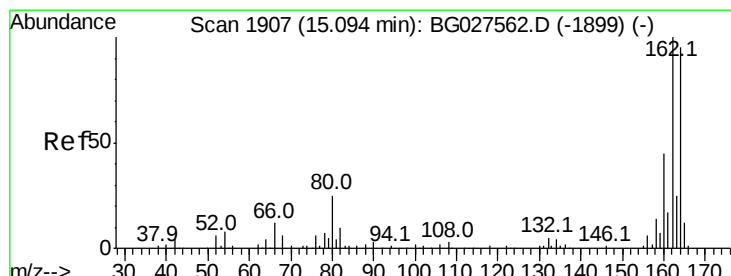
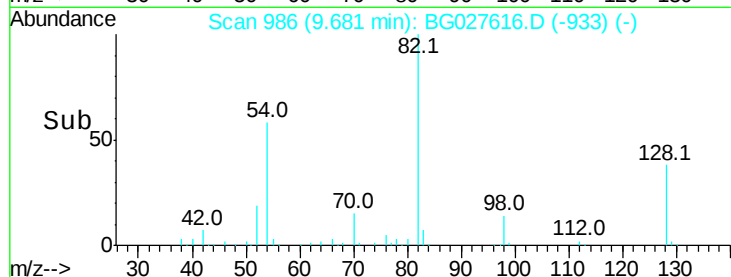
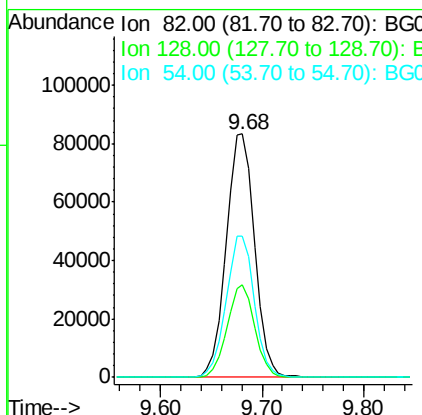
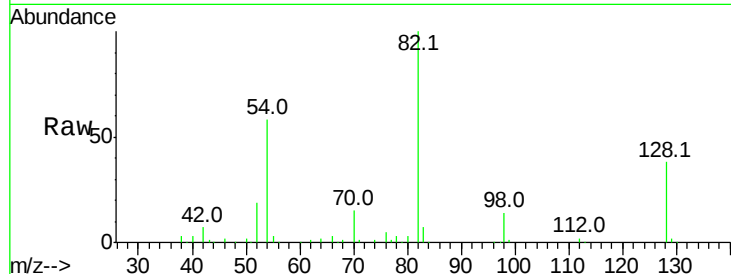




#23
 Nitrobenzene-d5
 Concen: 92.69 ng
 RT: 9.68 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: BG027616.D
 Acq: 23 Jun 2017 4:39

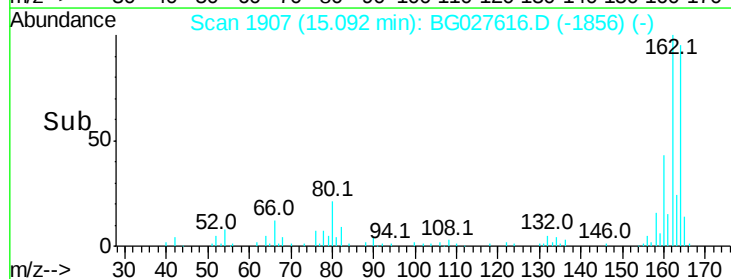
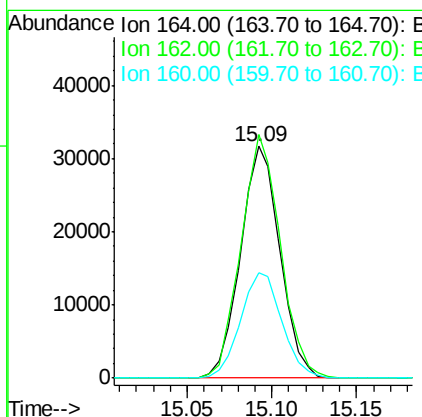
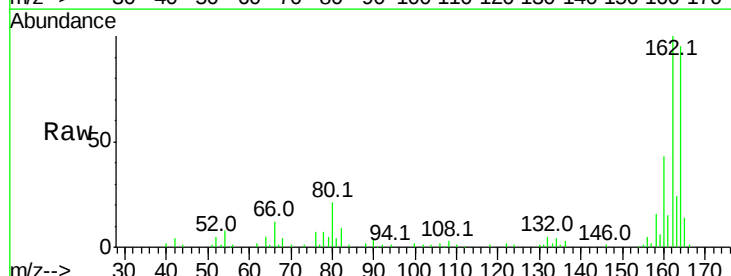
Instrument :
 BNA_G
 ClientSampleId :
 DRUM-002-COMP

Tot Ion: 82 Resp: 161171
 Ion Ratio Lower Upper
 82 100
 128 38.0 26.4 39.6
 54 58.0 49.4 74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: BG027616.D
 Acq: 23 Jun 2017 4:39

Tgt Ion:164 Resp: 51163
 Ion Ratio Lower Upper
 164 100
 162 105.0 85.1 127.7
 160 45.3 34.7 52.1

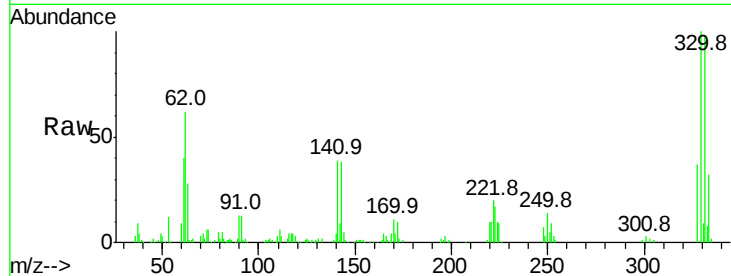




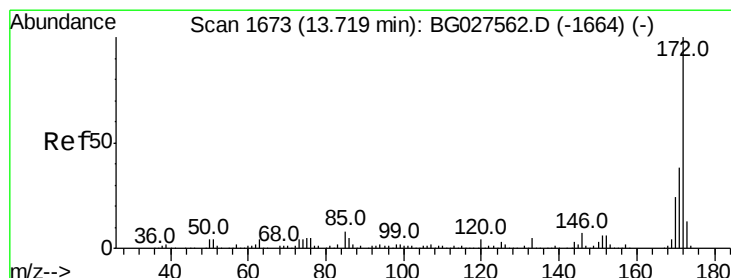
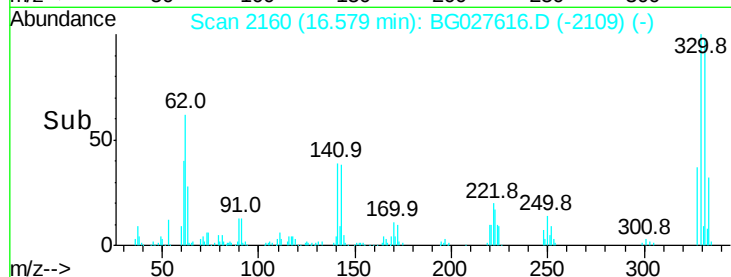
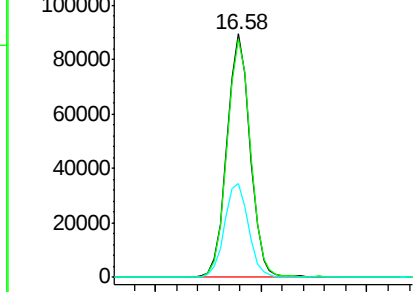
#41
 2,4,6-Tribromophenol
 Concen: 177.77 ng
 RT: 16.58 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BG027616.D
 Acq: 23 Jun 2017 4:39

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-002-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.3	115.9
141	39.7	32.1	48.1

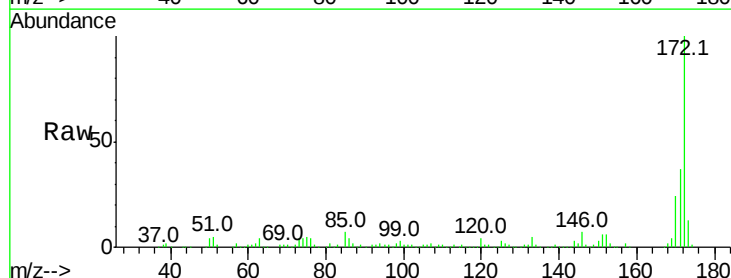


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

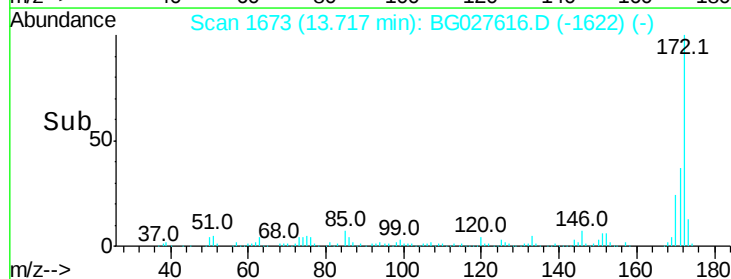
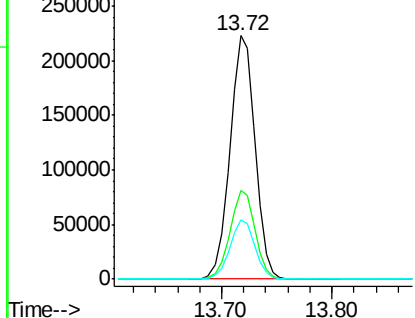


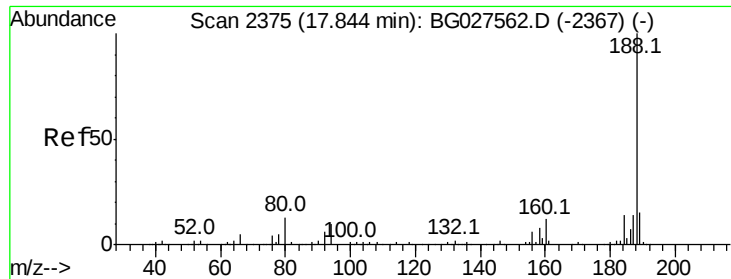
#44
 2-Fluorobiphenyl
 Concen: 94.66 ng
 RT: 13.72 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BG027616.D
 Acq: 23 Jun 2017 4:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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: 17.84 min Scan# 2375

Delta R.T. -0.00 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

Instrument :

BNA_G

ClientSampleId :

DRUM-002-COMP

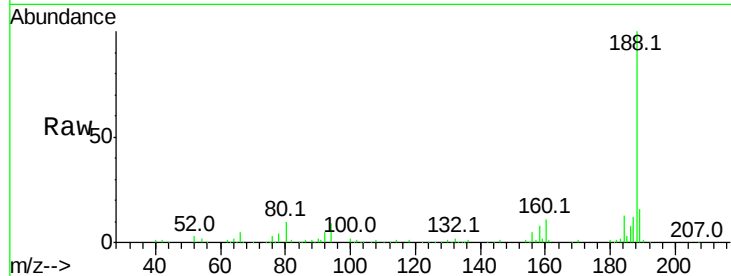
Tot Ion:188 Resp: 153169

Ion Ratio Lower Upper

188 100

94 9.4 5.8 8.8#

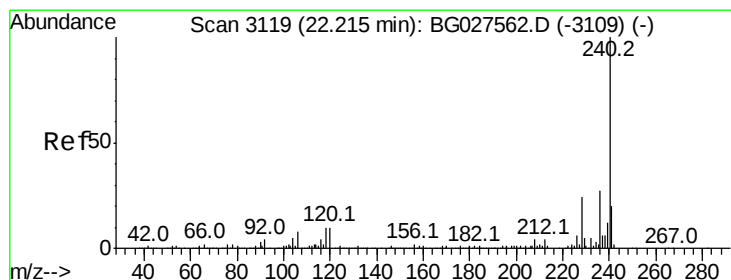
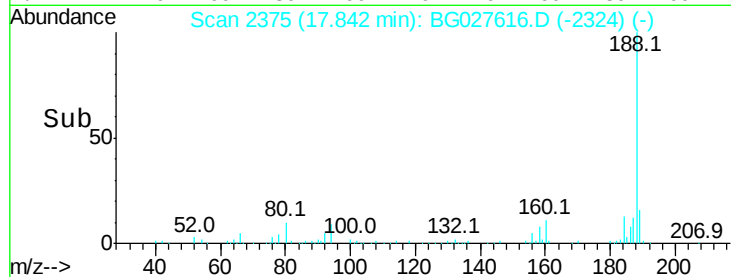
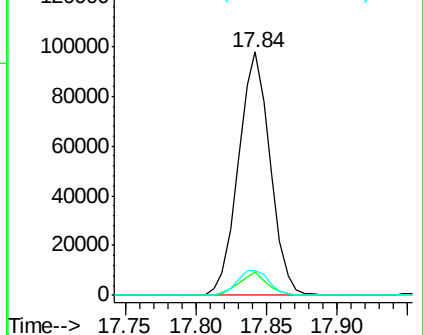
80 9.9 7.5 11.3



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: 22.21 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

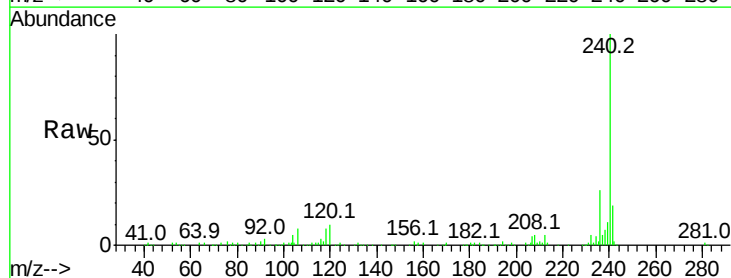
Tgt Ion:240 Resp: 176802

Ion Ratio Lower Upper

240 100

120 9.8 5.7 8.5#

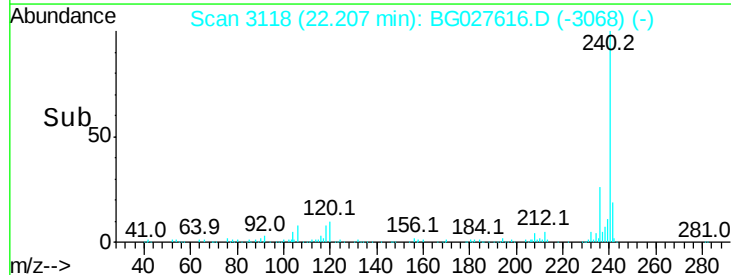
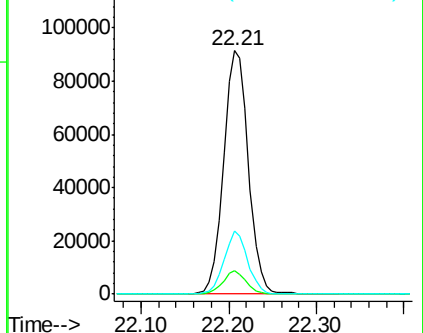
236 25.8 22.2 33.4

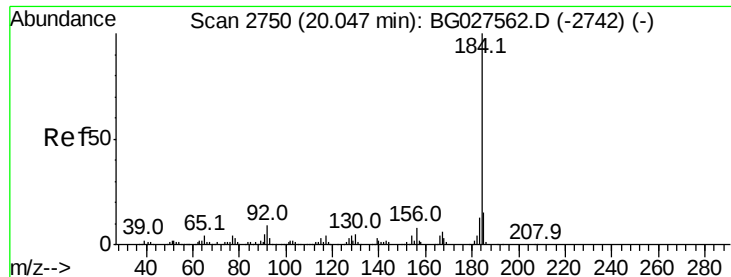


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.29 ng

RT: 20.05 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

Instrument :

BNA_G

ClientSampleId :

DRUM-002-COMP

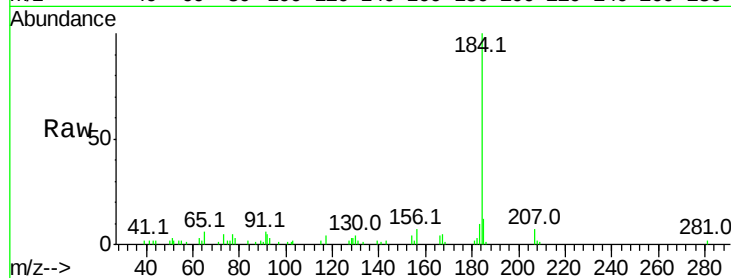
Tot Ion:184 Resp: 22942

Ion Ratio Lower Upper

184 100

185 12.4 13.0 19.6#

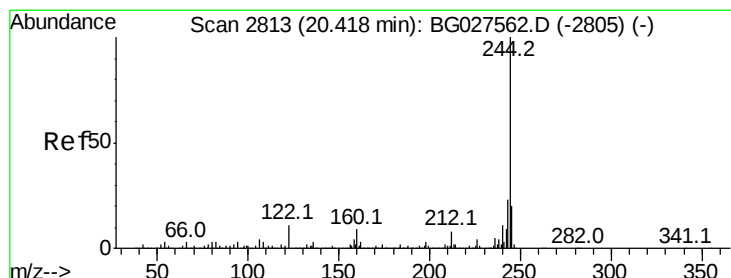
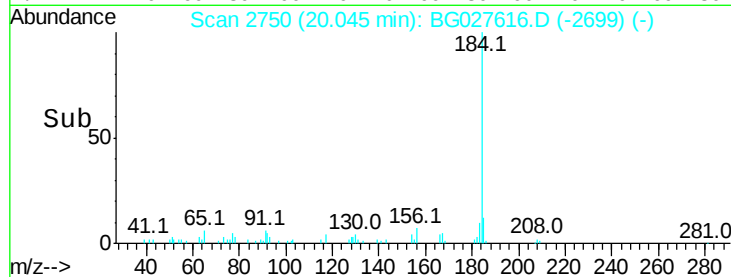
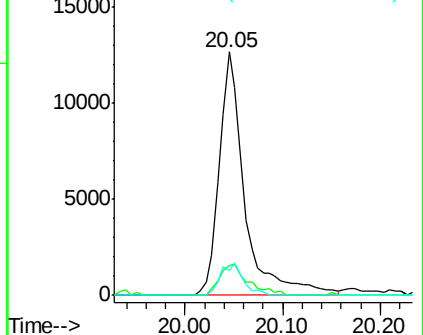
183 10.0 11.0 16.6#



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: 109.80 ng

RT: 20.42 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG027616.D

Acq: 23 Jun 2017 4:39

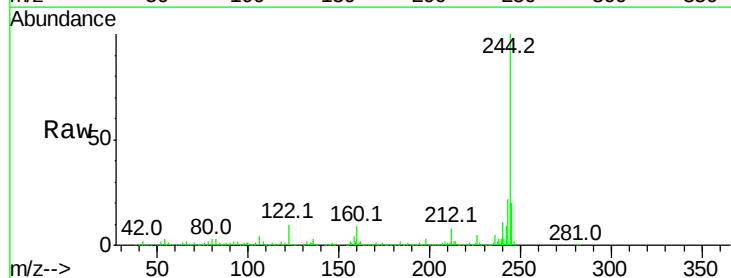
Tgt Ion:244 Resp: 823939

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

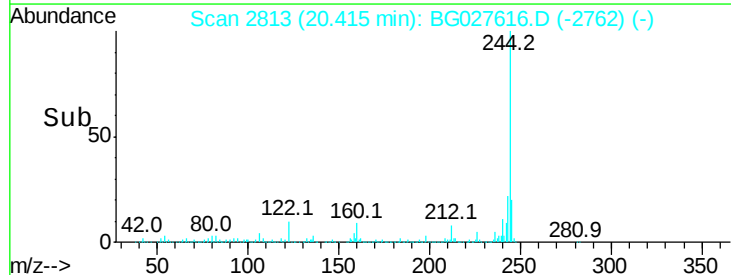
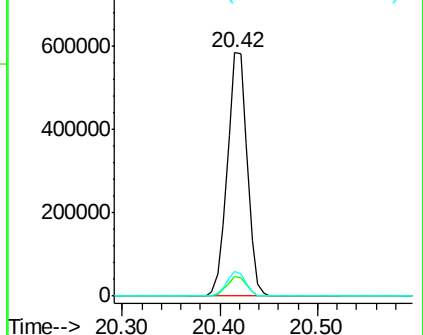
122 10.4 8.6 12.8

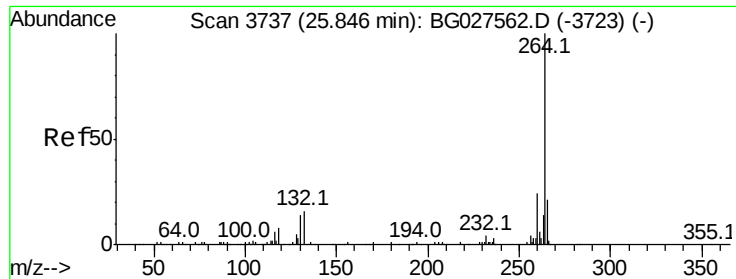


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.85 min Scan# 3738
 Delta R.T. 0.00 min
 Lab File: BG027616.D
 Acq: 23 Jun 2017 4:39

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-002-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	21.8	32.8
265	20.5	18.2	27.4

