

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061417\
 Data File : BG027444.D
 Acq On : 15 Jun 2017 9:40
 Operator : SJ/MA
 Sample : I3635-03RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 15 11:53:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG061417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 19:09:08 2017
 Response via : Initial Calibration

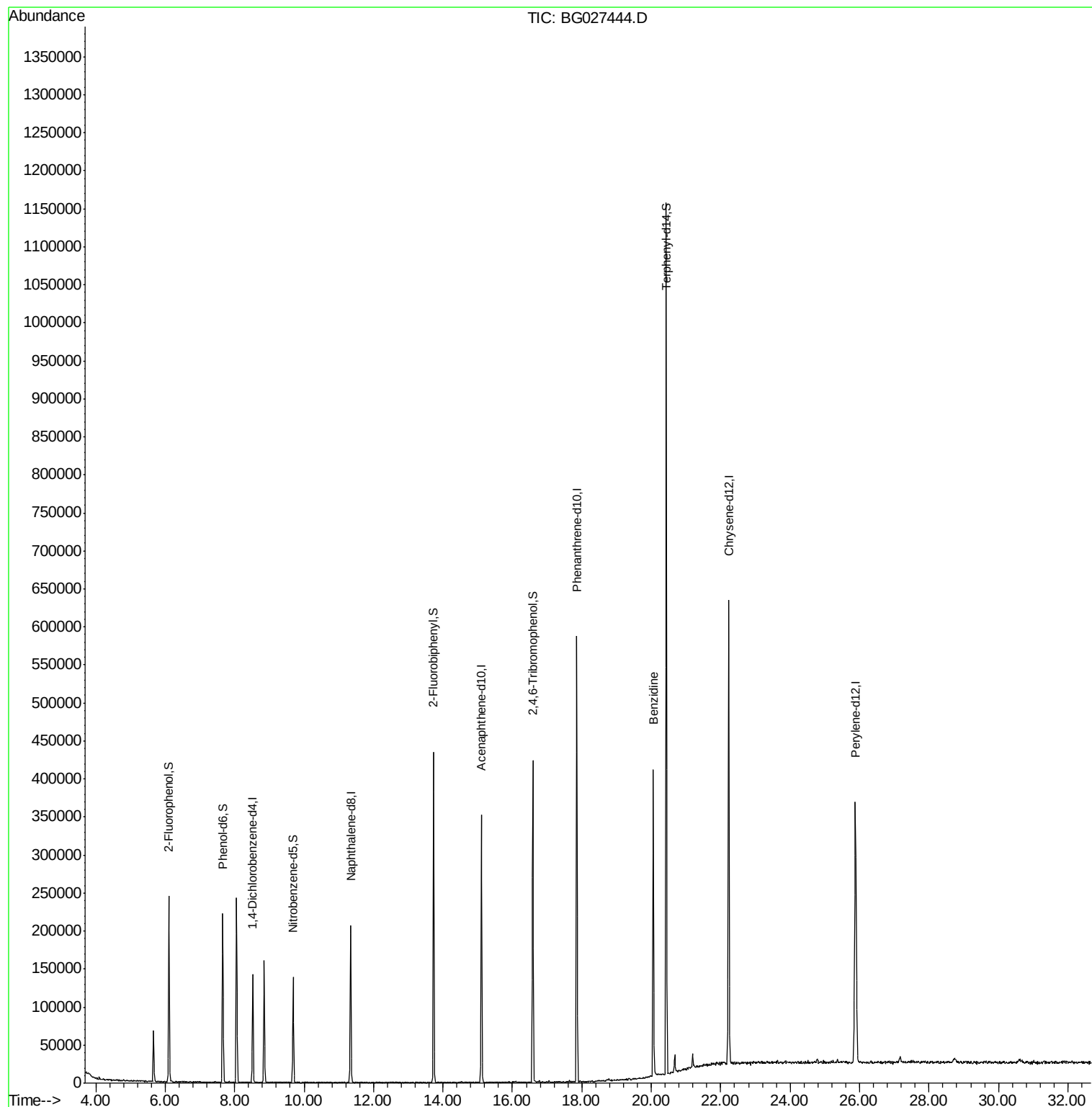
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	40393	20.00	ng	0.00
21) Naphthalene-d8	11.34	136	180248	20.00	ng	0.00
38) Acenaphthene-d10	15.10	164	121804	20.00	ng	0.00
63) Phenanthrene-d10	17.85	188	361373	20.00	ng	0.00
75) Chrysene-d12	22.23	240	415000	20.00	ng	0.00
86) Perylene-d12	25.88	264	397898	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	108819	38.07	ng	0.00
7) Phenol-d6	7.65	99	138782	31.60	ng	0.00
23) Nitrobenzene-d5	9.69	82	91443	25.86	ng	0.00
41) 2,4,6-Tribromophenol	16.59	330	79266	43.36	ng	0.00
44) 2-Fluorobiphenyl	13.73	172	216384	25.66	ng	0.00
78) Terphenyl-d14	20.43	244	493246	30.46	ng	0.00
Target Compounds						
76) Benzidine	20.06	184	234737	25.80	ng	Qvalue 97

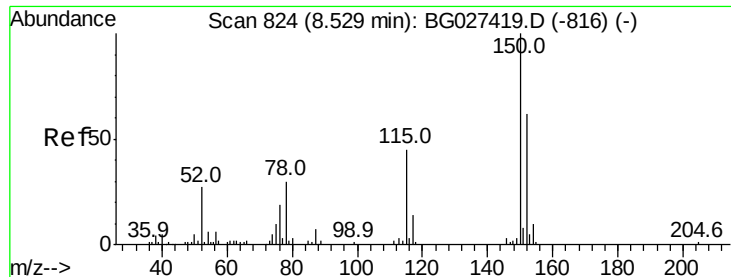
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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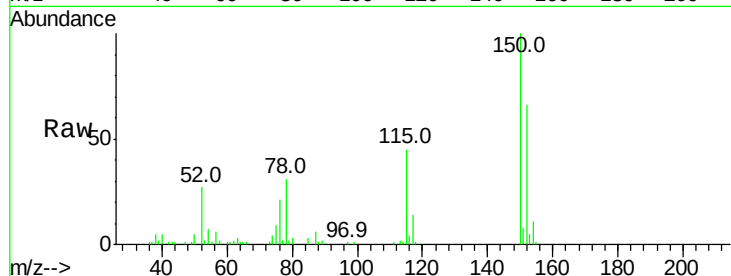


#1

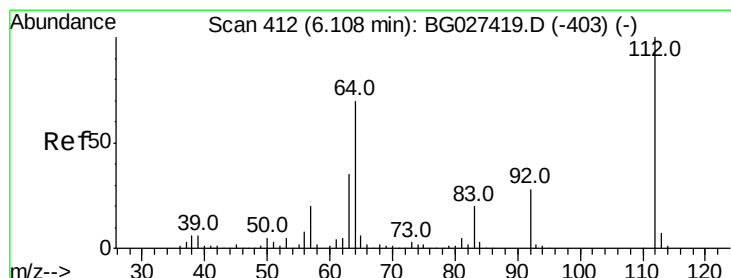
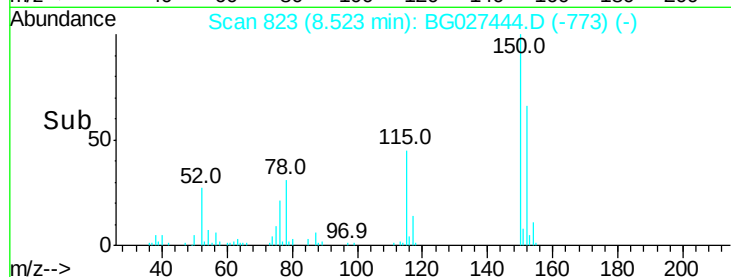
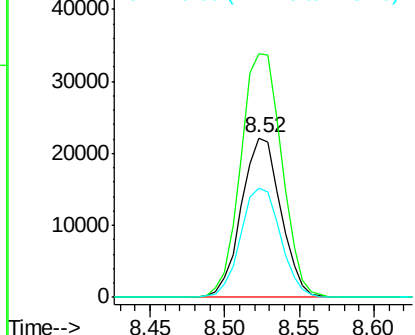
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.52 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG027444.D
Acq: 15 Jun 2017 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40393
Ion Ratio Lower Upper
152 100
150 152.5 114.0 171.0
115 68.2 48.1 72.1



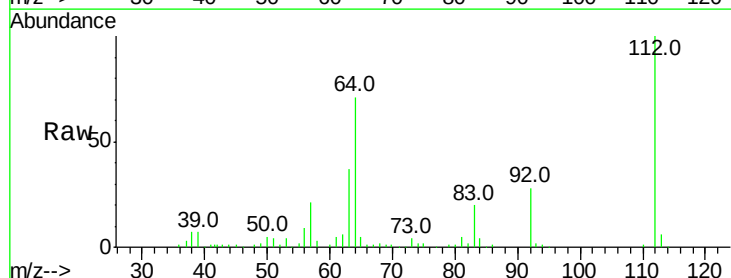
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



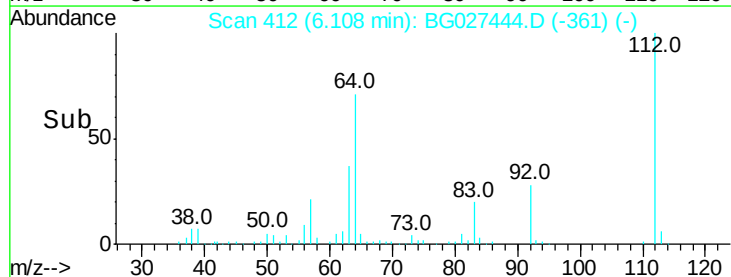
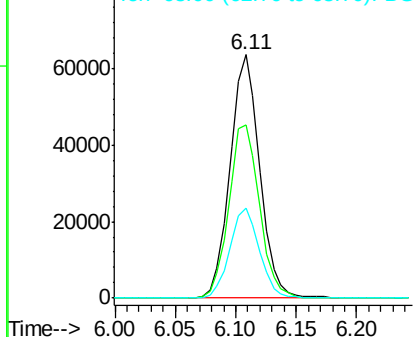
#5

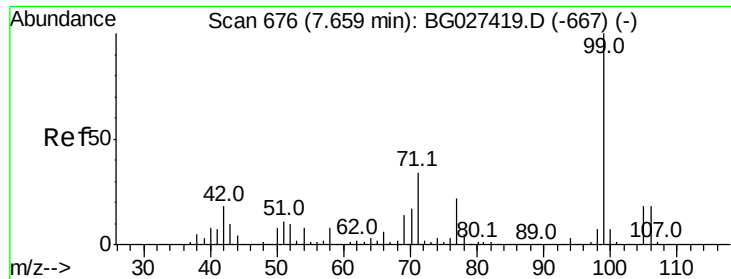
2-Fluorophenol
Concen: 38.07 ng
RT: 6.11 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG027444.D
Acq: 15 Jun 2017 9:40

Tgt Ion:112 Resp: 108819
Ion Ratio Lower Upper
112 100
64 71.0 61.8 92.6
63 36.9 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: 31.60 ng

RT: 7.65 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

Instrument :

BNA_G

ClientSampleId :

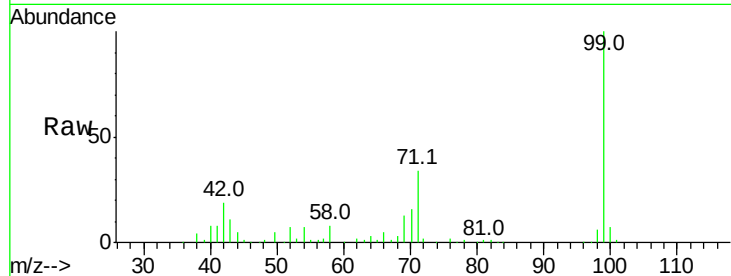
Tot Ion: 99 Resp: 138782

Ion Ratio Lower Upper

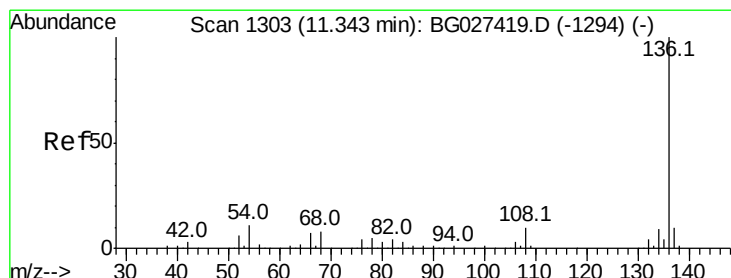
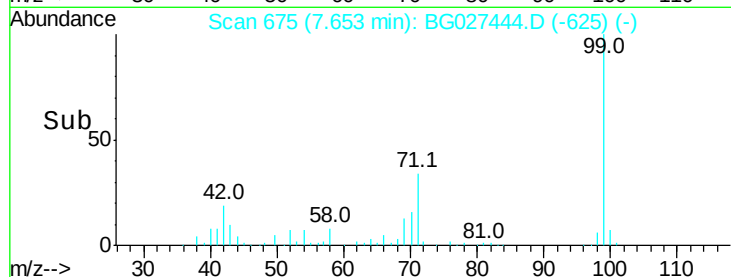
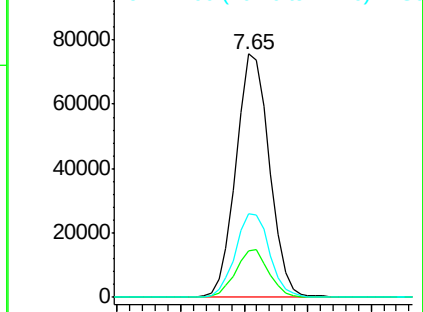
99 100

42 19.0 20.5 30.7#

71 34.4 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: 11.34 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

Tgt Ion: 136 Resp: 180248

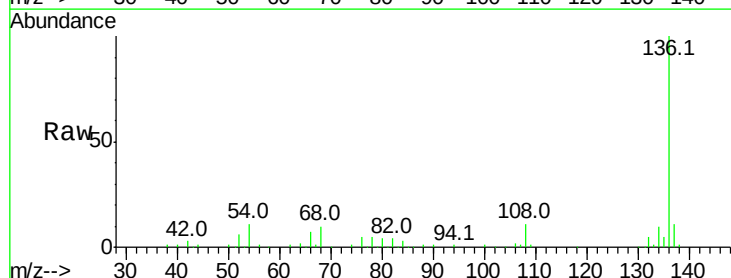
Ion Ratio Lower Upper

136 100

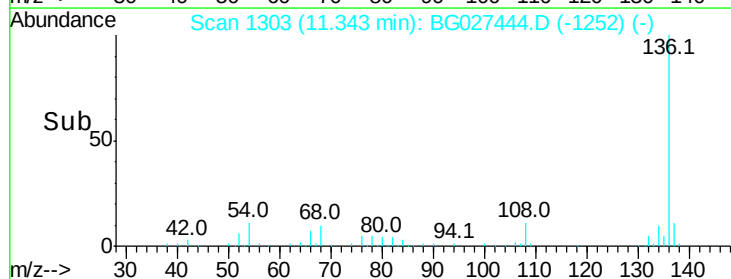
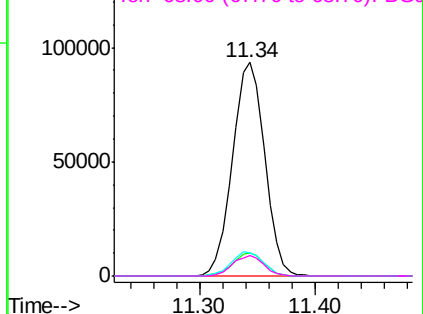
137 10.9 8.9 13.3

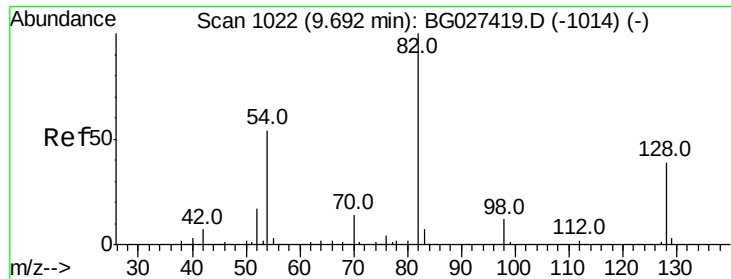
54 11.1 9.3 13.9

68 9.6 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

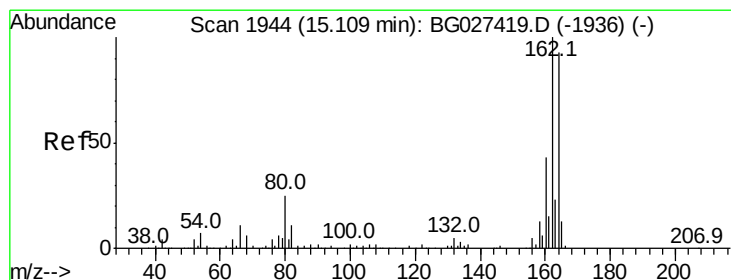
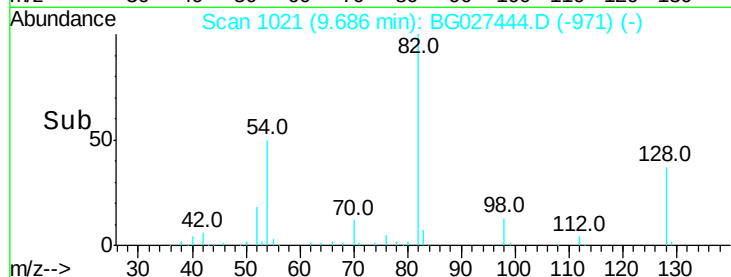
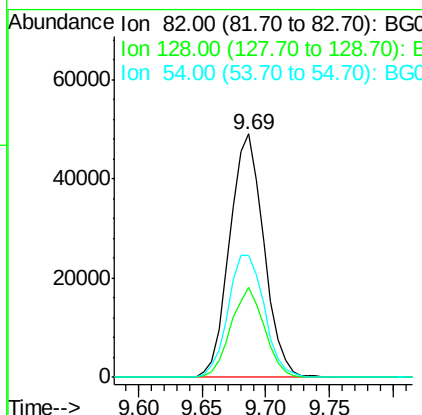
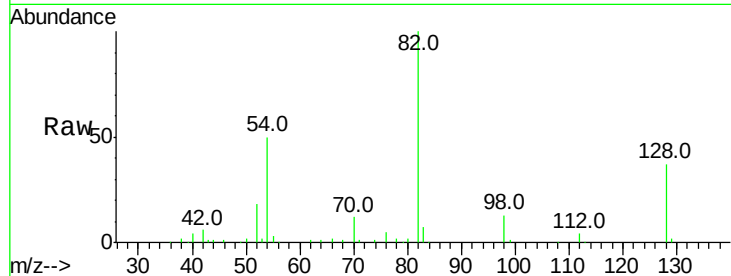




#23
 Nitrobenzene-d5
 Concen: 25.86 ng
 RT: 9.69 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BG027444.D
 Acq: 15 Jun 2017 9:40

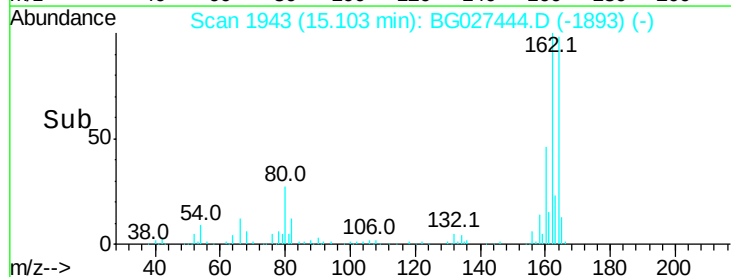
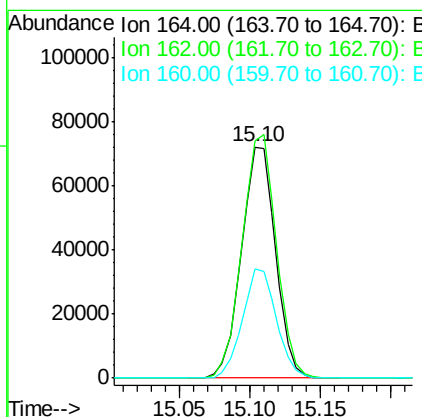
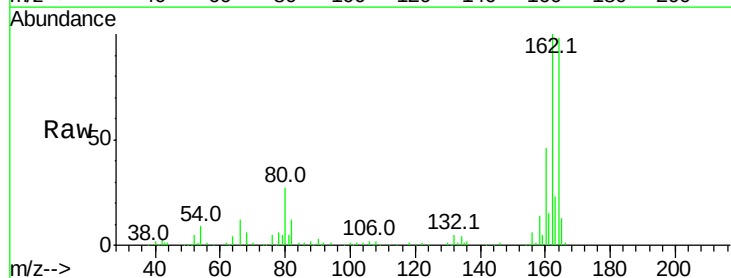
Instrument :
 BNA_G
 ClientSampleId :

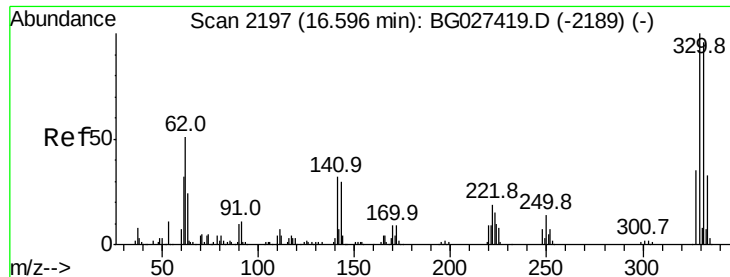
Tot Ion: 82 Resp: 91443
 Ion Ratio Lower Upper
 82 100
 128 36.9 26.4 39.6
 54 50.3 49.4 74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BG027444.D
 Acq: 15 Jun 2017 9:40

Tgt Ion:164 Resp: 121804
 Ion Ratio Lower Upper
 164 100
 162 102.4 85.1 127.7
 160 47.1 34.7 52.1

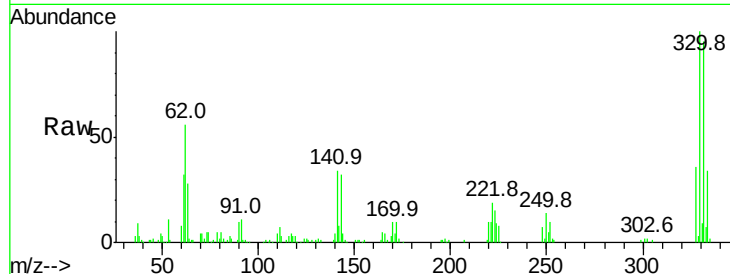




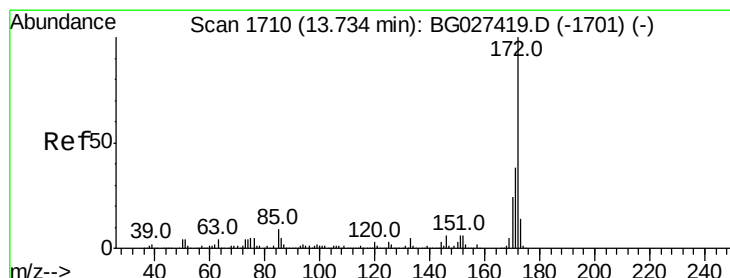
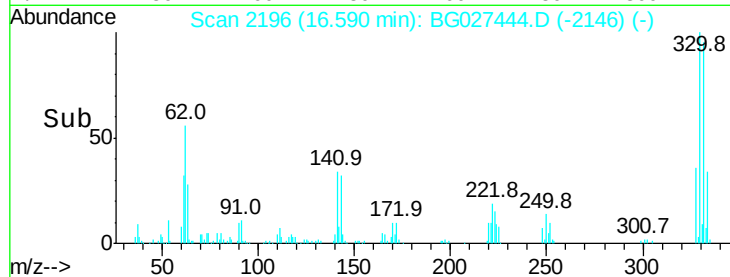
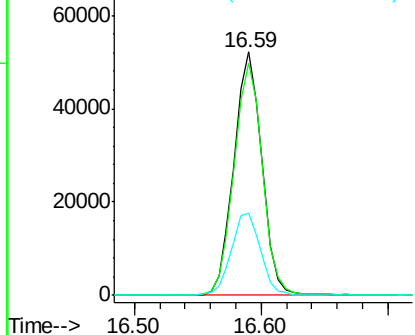
#41
 2,4,6-Tribromophenol
 Concen: 43.36 ng
 RT: 16.59 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG027444.D
 Acq: 15 Jun 2017 9:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	34.9	32.1	48.1

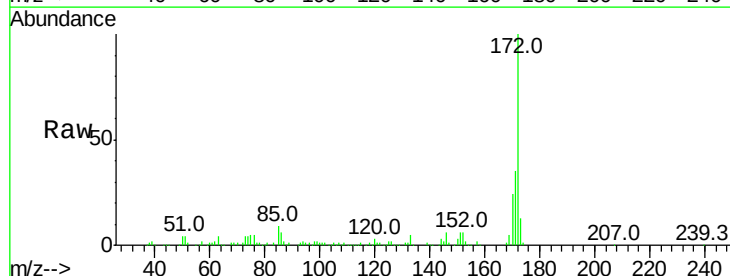


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

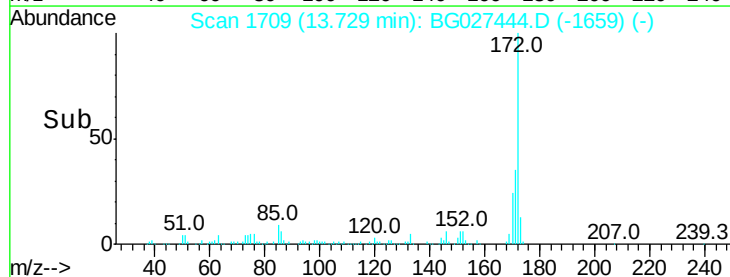
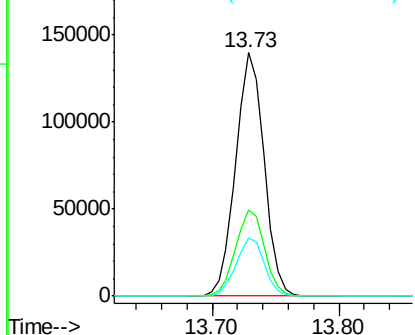


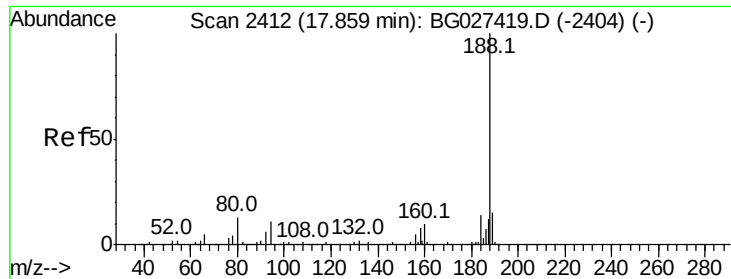
#44
 2-Fluorobiphenyl
 Concen: 25.66 ng
 RT: 13.73 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG027444.D
 Acq: 15 Jun 2017 9:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	32.2	48.2
170	23.9	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: 17.85 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

Instrument :

BNA_G

ClientSampleId :

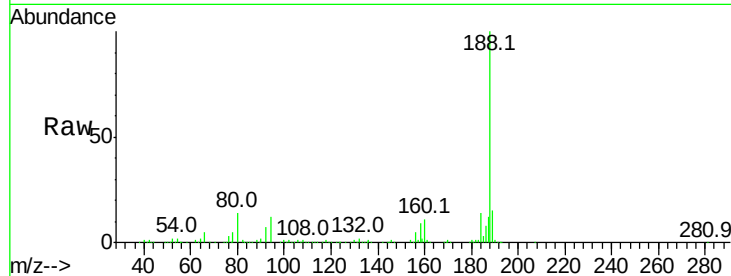
Tot Ion:188 Resp: 361373

Ion Ratio Lower Upper

188 100

94 12.1 5.8 8.8#

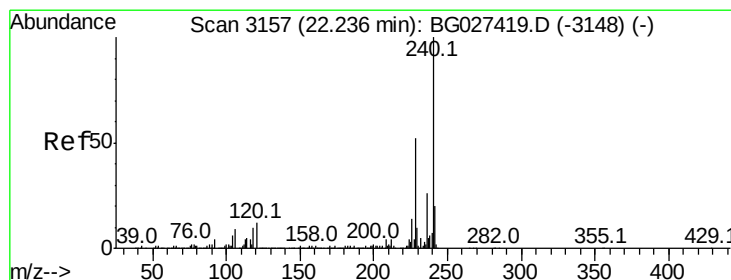
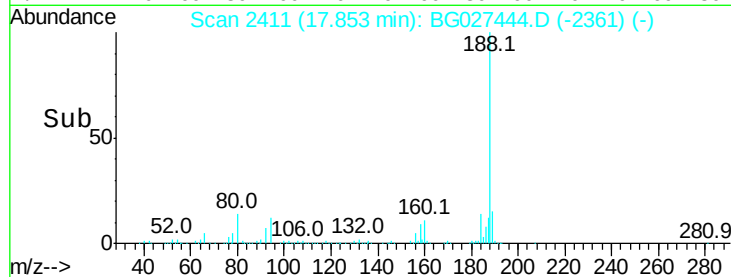
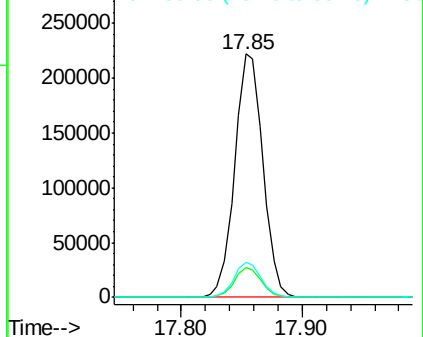
80 14.2 7.5 11.3#



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: 22.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

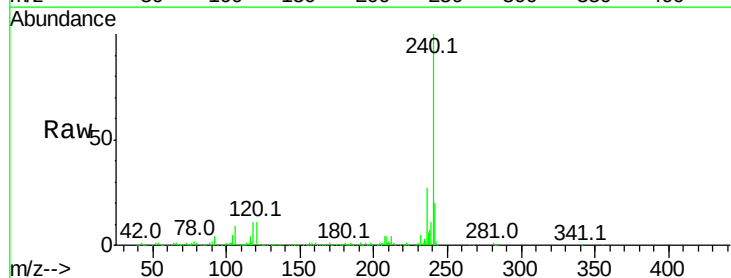
Tgt Ion:240 Resp: 415000

Ion Ratio Lower Upper

240 100

120 11.3 5.7 8.5#

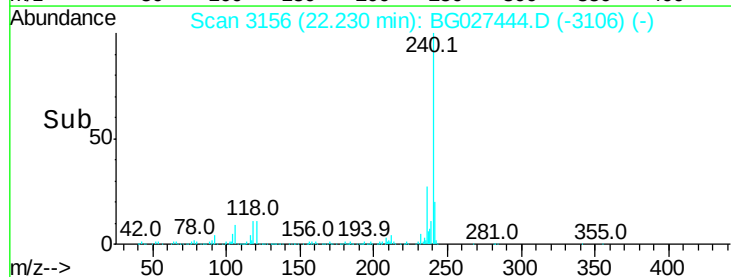
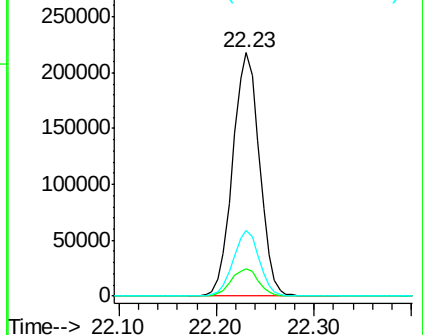
236 27.2 22.2 33.4

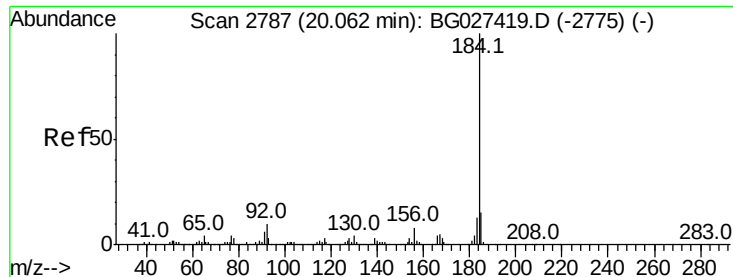


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 25.80 ng

RT: 20.06 min Scan# 2786

Delta R.T. -0.01 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

Instrument :

BNA_G

ClientSampleId :

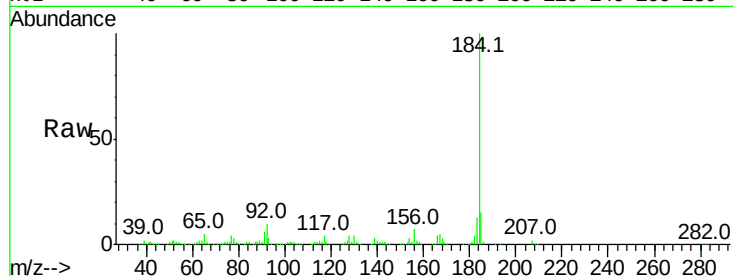
Tot Ion:184 Resp: 234737

Ion Ratio Lower Upper

184 100

185 14.9 13.0 19.6

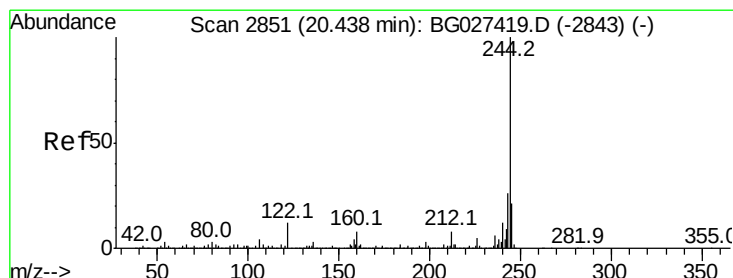
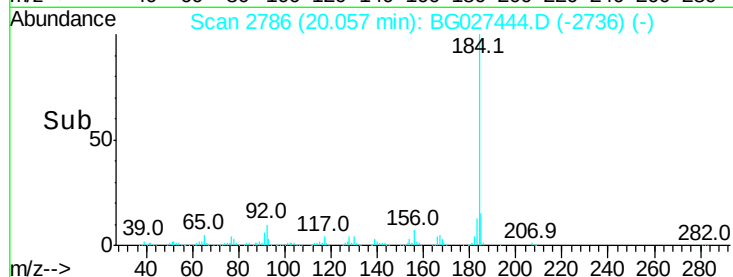
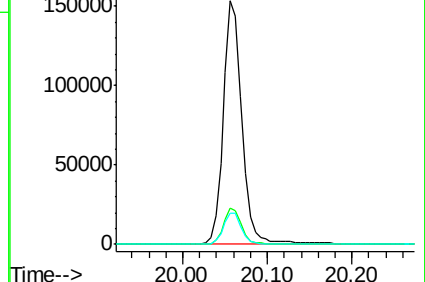
183 12.9 11.0 16.6



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: 30.46 ng

RT: 20.43 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG027444.D

Acq: 15 Jun 2017 9:40

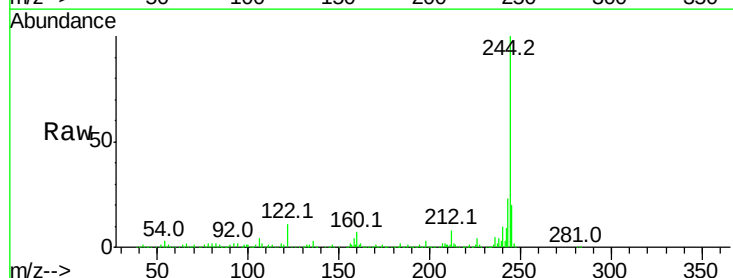
Tgt Ion:244 Resp: 493246

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

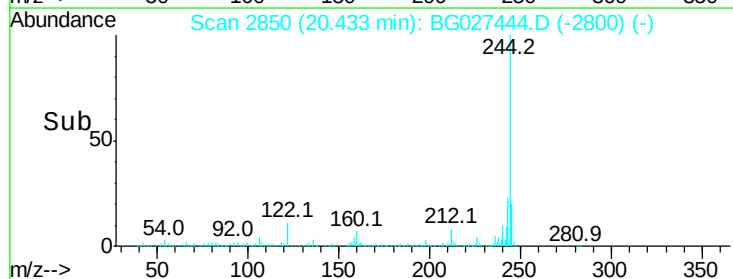
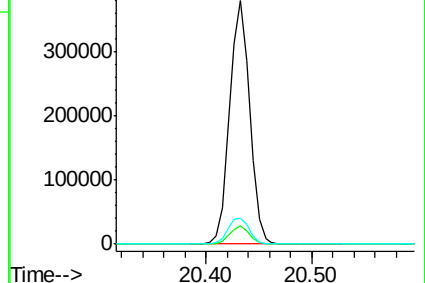
122 10.8 8.6 12.8

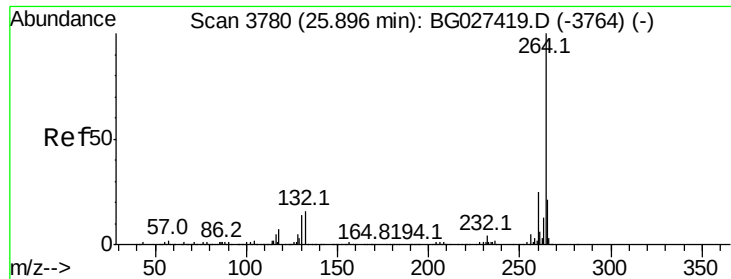


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.88 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BG027444.D
Acq: 15 Jun 2017 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	21.8	32.8
265	21.8	18.2	27.4

