

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070717\
 Data File : BG027882.D
 Acq On : 7 Jul 2017 23:57
 Operator : SJ/JU
 Sample : I4070-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 08 02:14:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 17:43:21 2017
 Response via : Initial Calibration

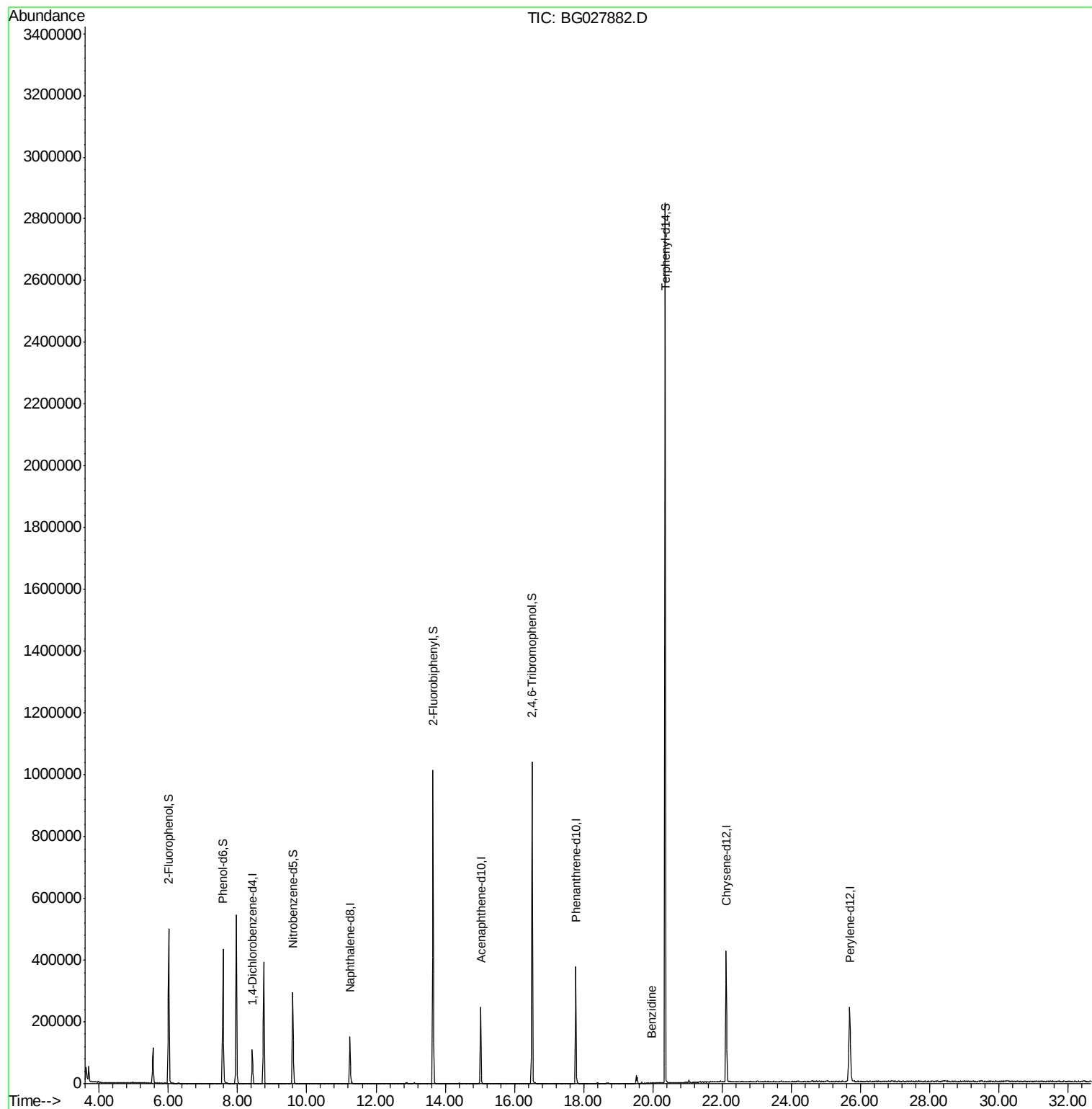
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	35449	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	155669	20.00	ng	0.00
38) Acenaphthene-d10	15.03	164	87949	20.00	ng	0.00
63) Phenanthrene-d10	17.78	188	239243	20.00	ng	0.00
75) Chrysene-d12	22.12	240	282231	20.00	ng	0.00
86) Perylene-d12	25.69	264	268441	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	280301	121.76	ng	0.00
7) Phenol-d6	7.58	99	355033	100.95	ng	0.00
23) Nitrobenzene-d5	9.59	82	220736	79.04	ng	0.00
41) 2,4,6-Tribromophenol	16.51	330	238864	198.01	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	585314	95.05	ng	0.00
78) Terphenyl-d14	20.36	244	1270188	105.51	ng	0.00
Target Compounds						
76) Benzidine	19.96	184	71	3.23	ng	Qvalue # 64

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

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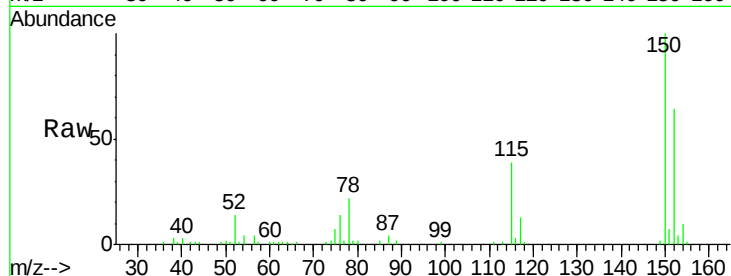


#1

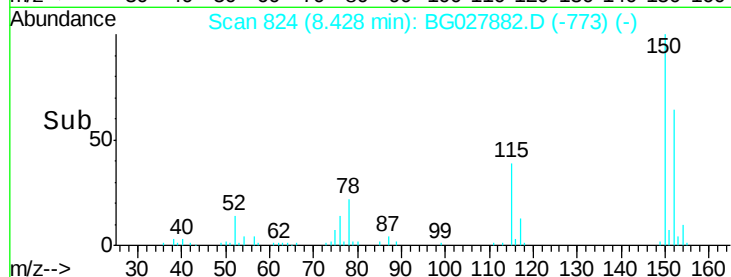
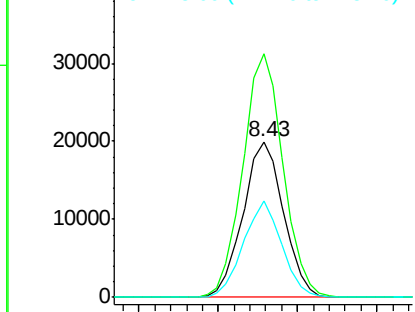
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.43 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35449
Ion Ratio Lower Upper
152 100
150 156.1 114.0 171.0
115 61.7 48.1 72.1



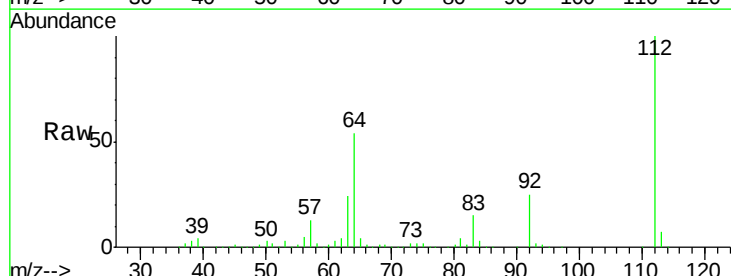
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



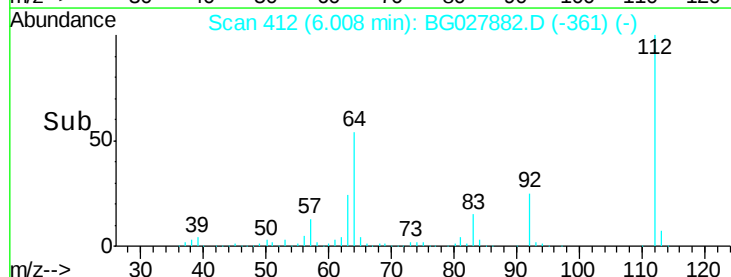
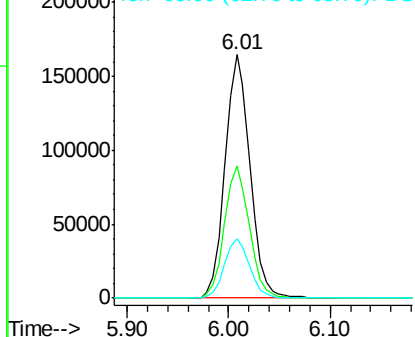
#5

2-Fluorophenol
Concen: 121.76 ng
RT: 6.01 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Tgt Ion:112 Resp: 280301
Ion Ratio Lower Upper
112 100
64 54.2 61.8 92.6#
63 24.3 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: 100.95 ng

RT: 7.58 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG027882.D

Acq: 7 Jul 2017 23:57

Instrument :

BNA_G

ClientSampleId :

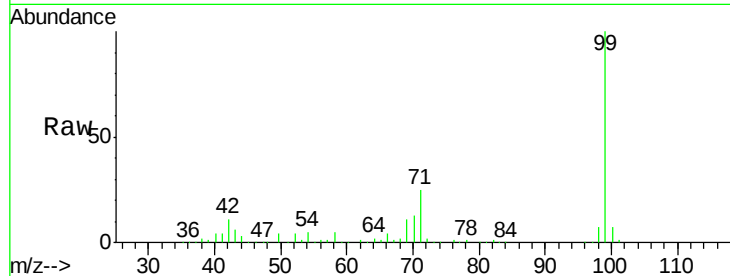
Tot Ion: 99 Resp: 355033

Ion Ratio Lower Upper

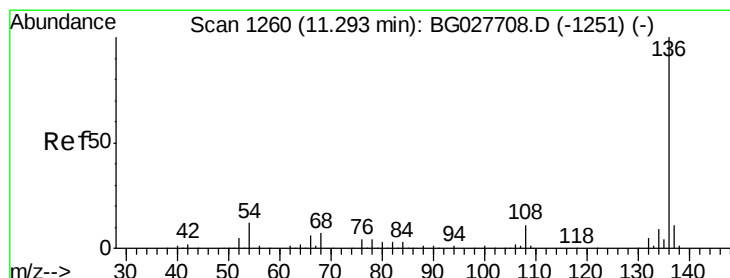
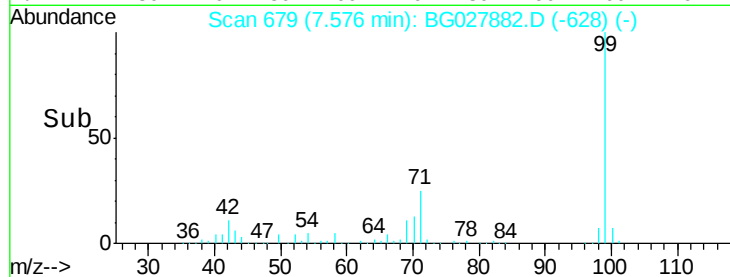
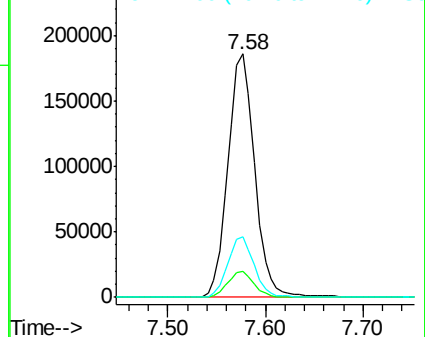
99 100

42 10.7 20.5 30.7#

71 25.1 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: 11.25 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BG027882.D

Acq: 7 Jul 2017 23:57

Tgt Ion: 136 Resp: 155669

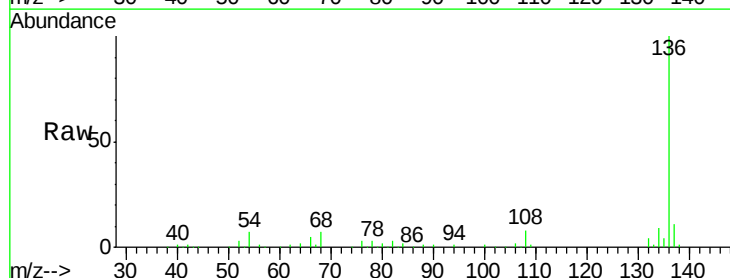
Ion Ratio Lower Upper

136 100

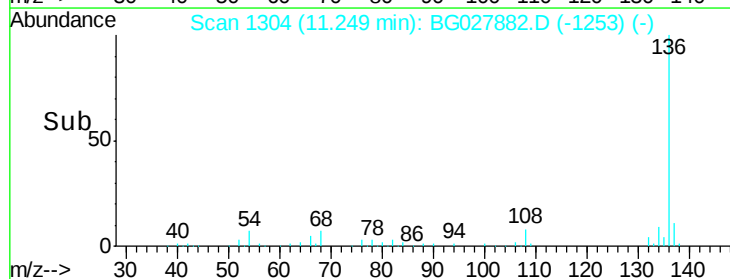
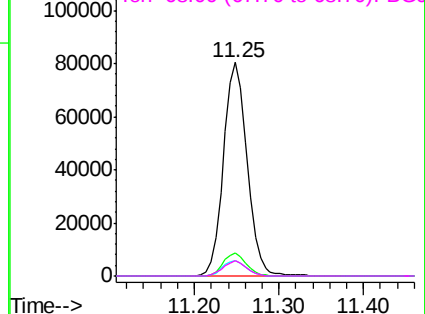
137 10.7 8.9 13.3

54 6.9 9.3 13.9#

68 7.3 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

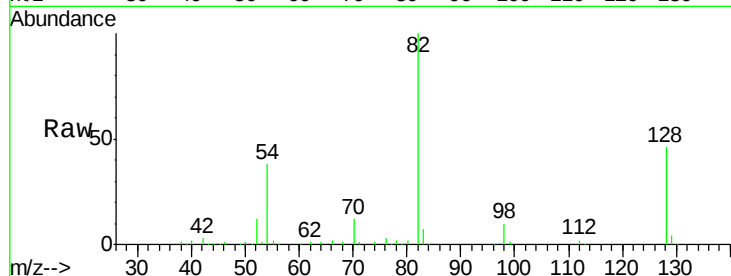




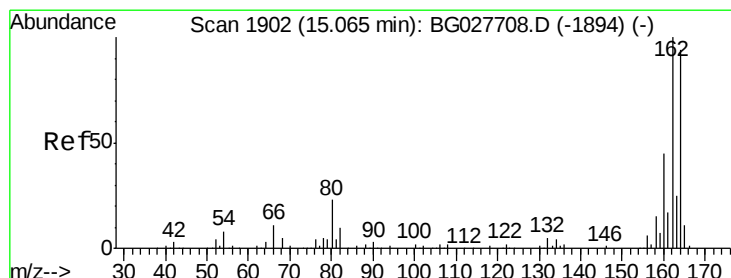
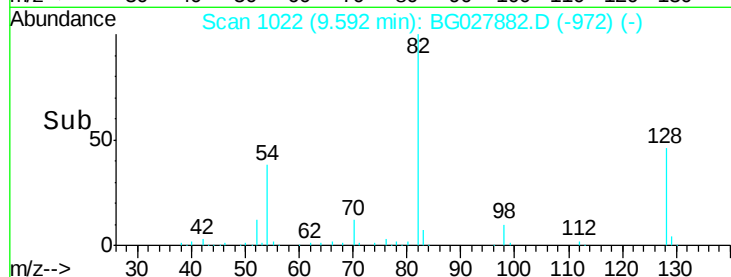
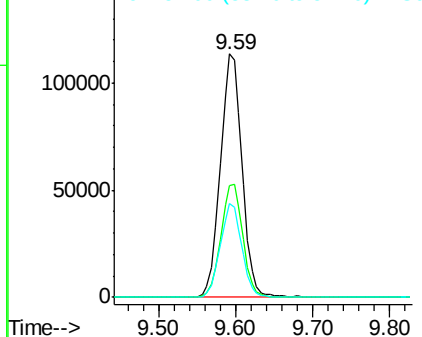
#23
 Nitrobenzene-d5
 Concen: 79.04 ng
 RT: 9.59 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BG027882.D
 Acq: 7 Jul 2017 23:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 220736
 Ion Ratio Lower Upper
 82 100
 128 46.1 26.4 39.6#
 54 38.5 49.4 74.2#

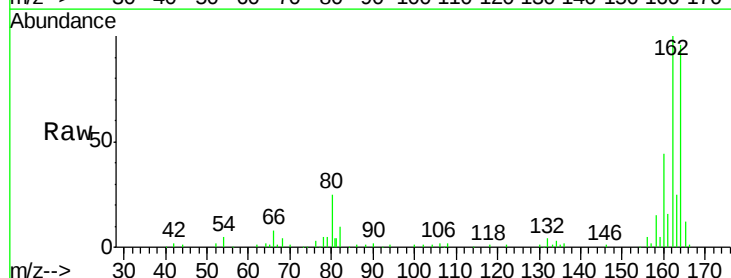


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

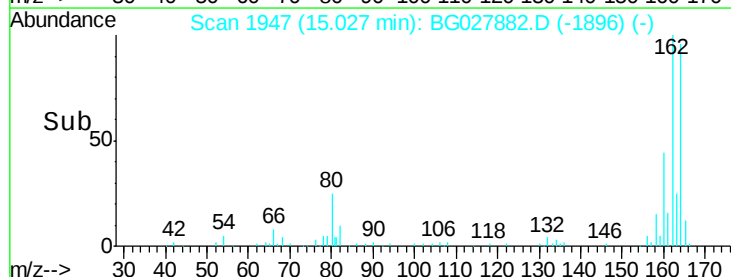
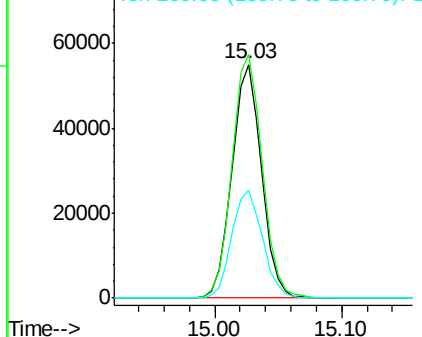


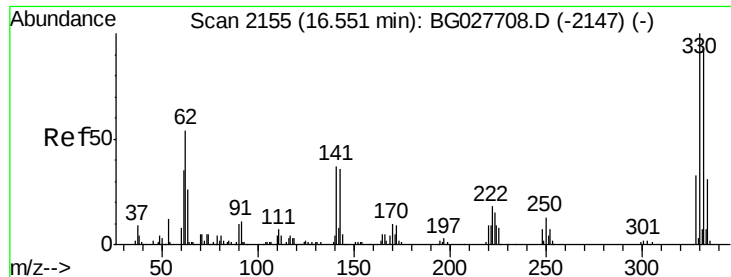
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1947
 Delta R.T. 0.00 min
 Lab File: BG027882.D
 Acq: 7 Jul 2017 23:57

Tgt Ion:164 Resp: 87949
 Ion Ratio Lower Upper
 164 100
 162 104.2 85.1 127.7
 160 46.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

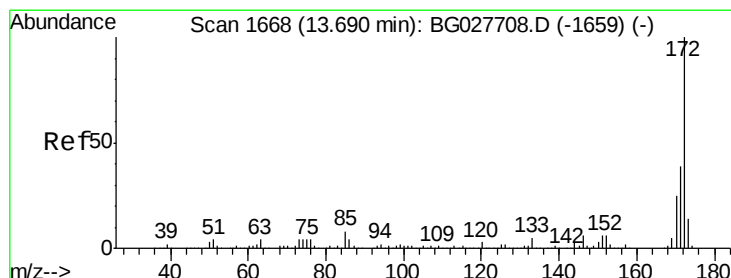
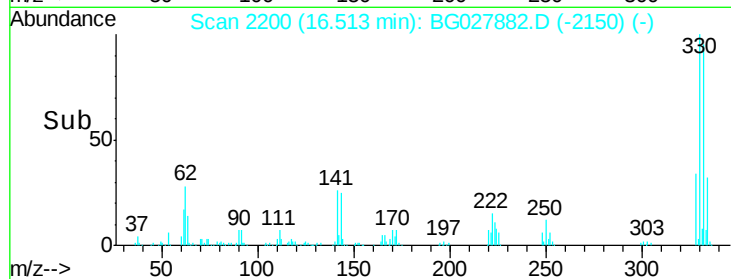
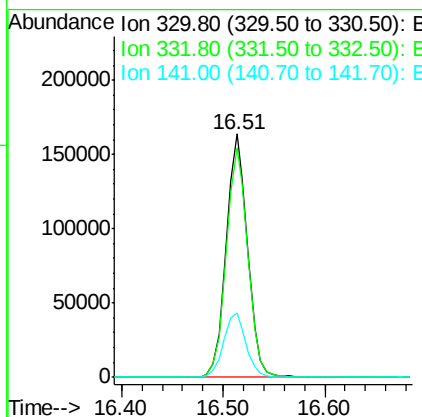
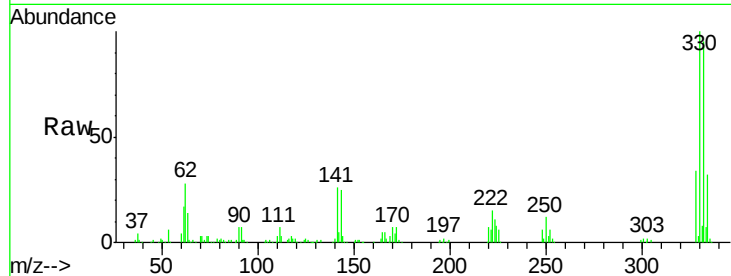




#41
 2,4,6-Tribromophenol
 Concen: 198.01 ng
 RT: 16.51 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG027882.D
 Acq: 7 Jul 2017 23:57

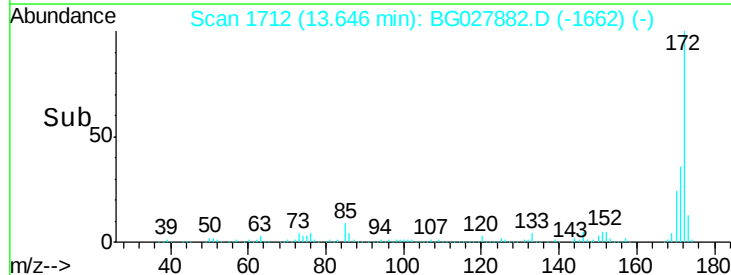
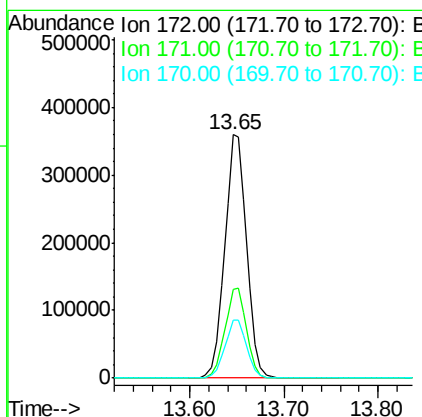
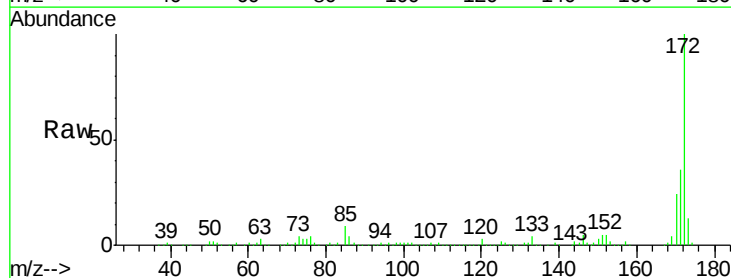
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	27.6	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 95.05 ng
 RT: 13.65 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BG027882.D
 Acq: 7 Jul 2017 23:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	32.2	48.2
170	23.9	21.8	32.6

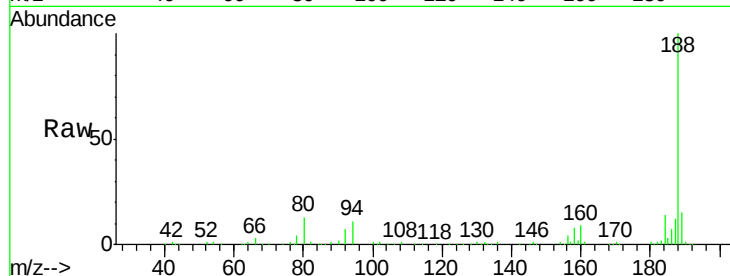




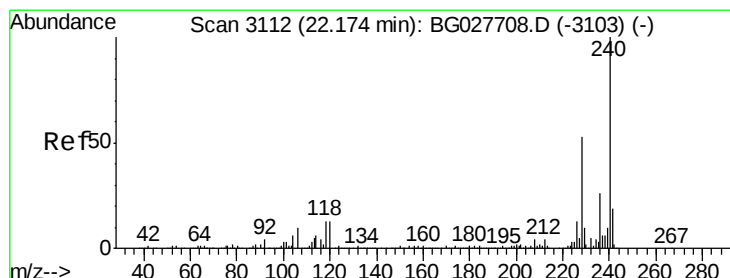
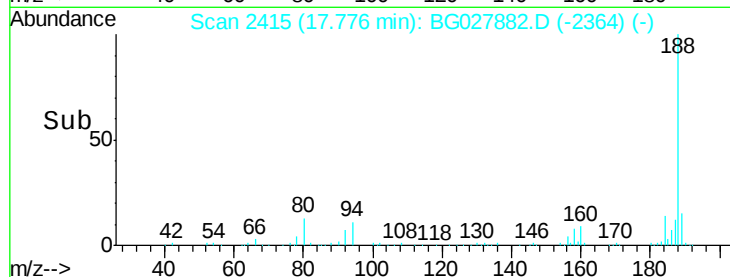
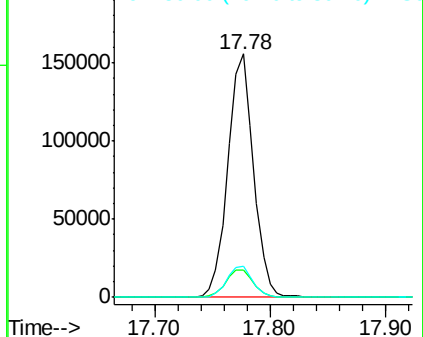
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.78 min Scan# 2415
Delta R.T. 0.00 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 239243
Ion Ratio Lower Upper
188 100
94 11.5 5.8 8.8#
80 13.0 7.5 11.3#

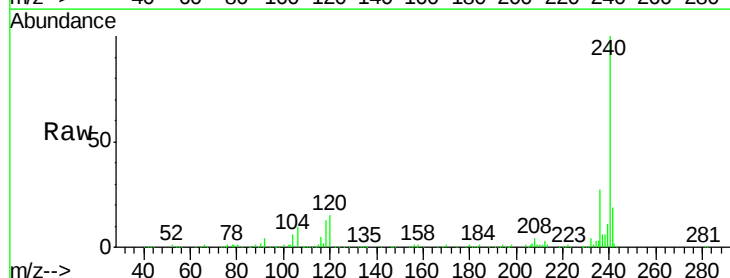


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

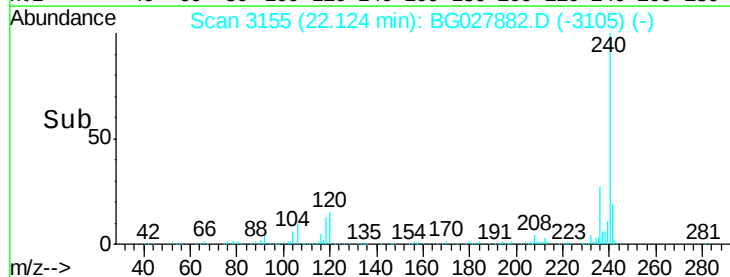
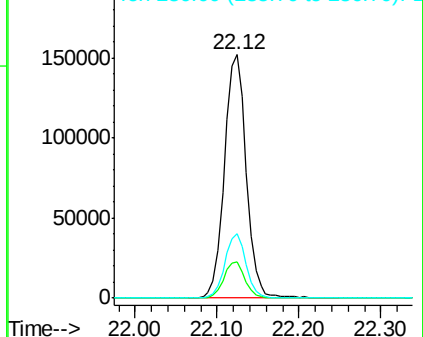


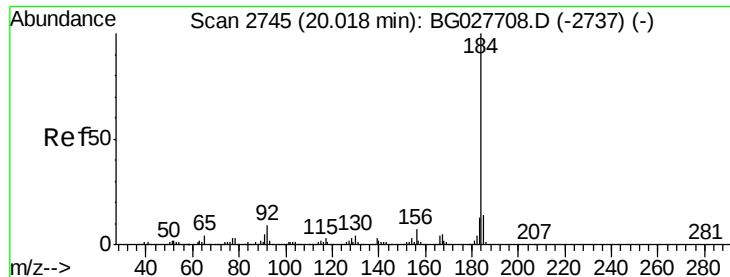
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.12 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Tgt Ion:240 Resp: 282231
Ion Ratio Lower Upper
240 100
120 14.7 5.7 8.5#
236 26.6 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

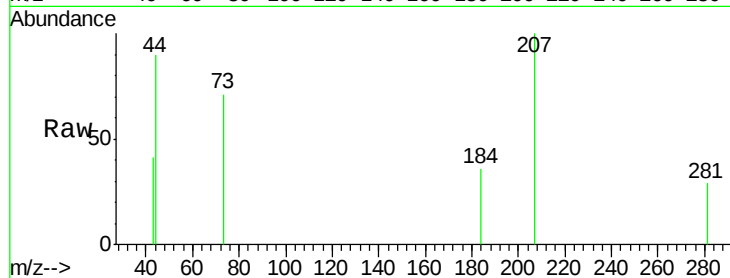




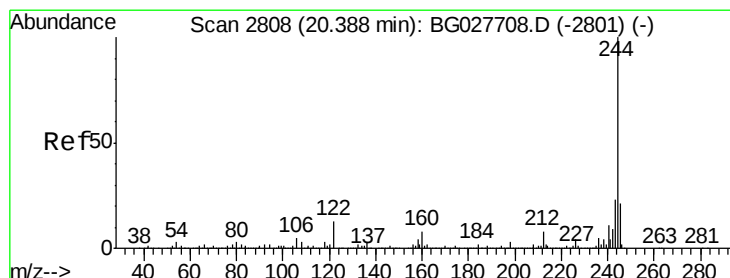
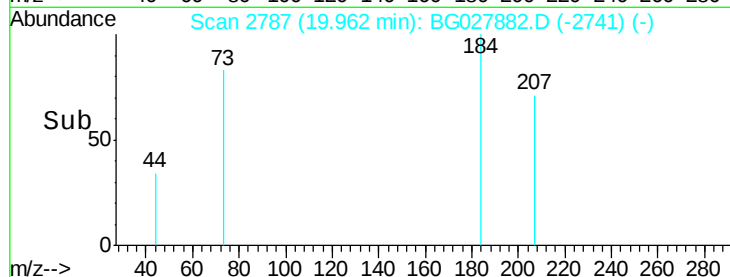
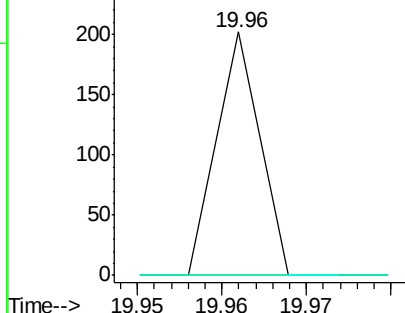
#76
Benzidine
Concen: 3.23 ng
RT: 19.96 min Scan# 2787
Delta R.T. -0.03 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
185 0.0 13.0 19.6#
183 0.0 11.0 16.6#

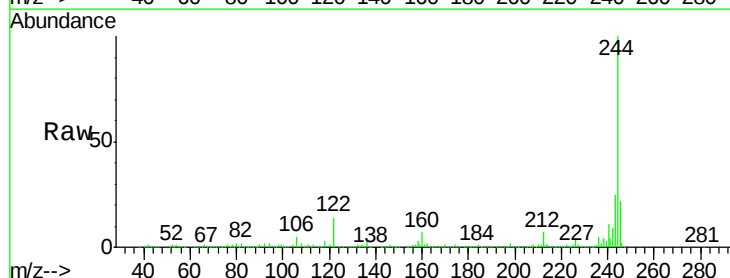


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

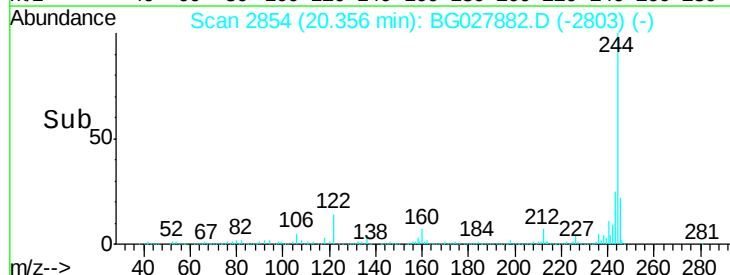
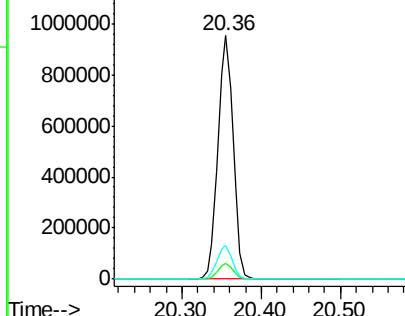


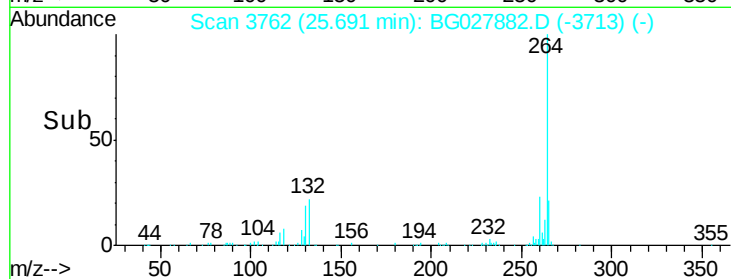
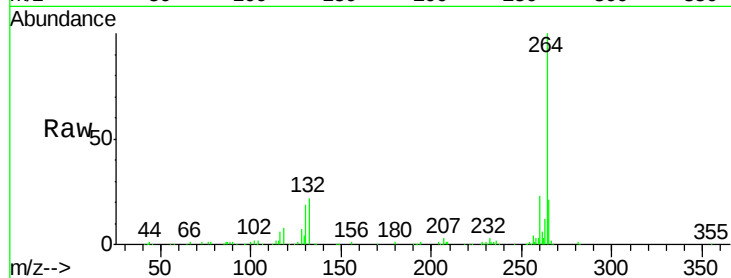
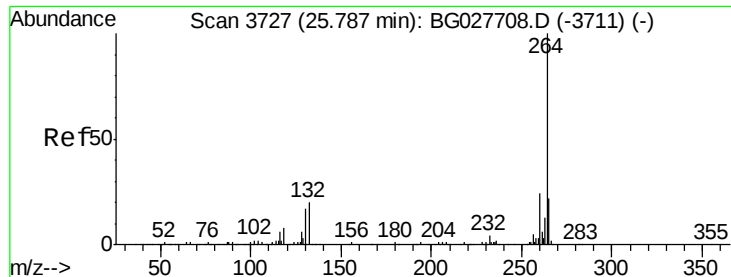
#78
Terphenyl-d14
Concen: 105.51 ng
RT: 20.36 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Tgt Ion:244 Resp: 1270188
Ion Ratio Lower Upper
244 100
212 6.6 10.0 15.0#
122 14.0 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: 25.69 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG027882.D
Acq: 7 Jul 2017 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	21.8	32.8
265	21.2	18.2	27.4

