

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060817\
 Data File : BG027343.D
 Acq On : 9 Jun 2017 8:52
 Operator : SJ/MA
 Sample : I3460-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 10:57:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

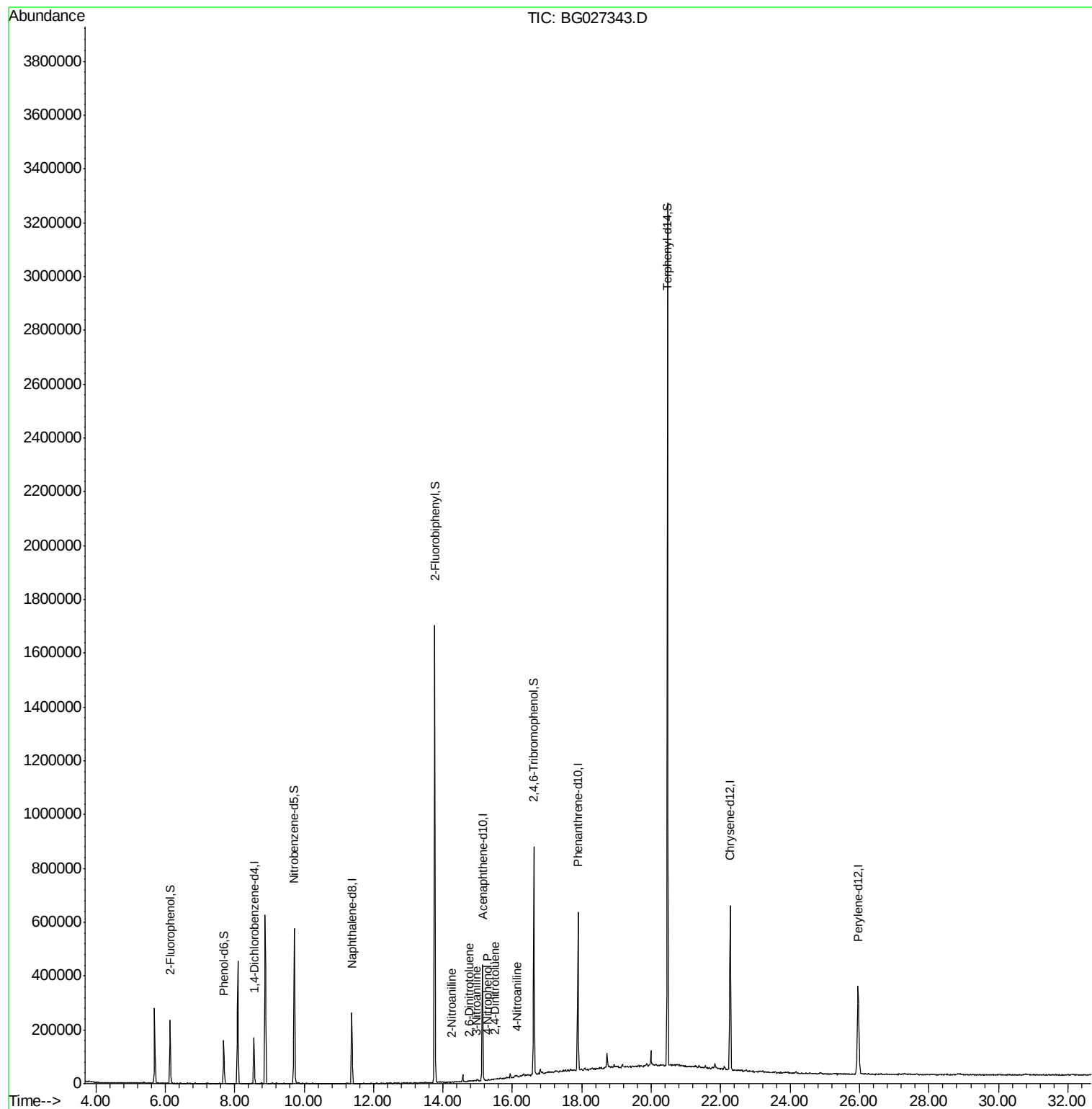
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.56	152	49652	20.00	ng	-0.02
21) Naphthalene-d8	11.37	136	233255	20.00	ng	-0.03
38) Acenaphthene-d10	15.14	164	153513	20.00	ng	-0.02
63) Phenanthrene-d10	17.89	188	372677	20.00	ng	-0.03
75) Chrysene-d12	22.27	240	418583	20.00	ng	-0.04
86) Perylene-d12	25.96	264	393340	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	105698	32.48	ng	-0.01
7) Phenol-d6	7.69	99	101227	21.19	ng	-0.01
23) Nitrobenzene-d5	9.72	82	390921	105.40	ng	-0.03
41) 2,4,6-Tribromophenol	16.62	330	167379	82.80	ng	-0.03
44) 2-Fluorobiphenyl	13.76	172	901591	82.16	ng	-0.03
78) Terphenyl-d14	20.47	244	1449502	88.34	ng	-0.03
Target Compounds						
47) 2-Nitroaniline	14.25	65	65	6.85	ng	# 16
50) 2,6-Dinitrotoluene	14.75	165	62	5.64	ng	# 11
52) 3-Nitroaniline	14.97	138	58	5.74	ng	# 49
55) 4-Nitrophenol	15.30	139	59	6.15	ng	# 31
56) 2,4-Dinitrotoluene	15.49	165	109	7.01	ng	# 16
61) 4-Nitroaniline	16.13	138	187	5.96	ng	87

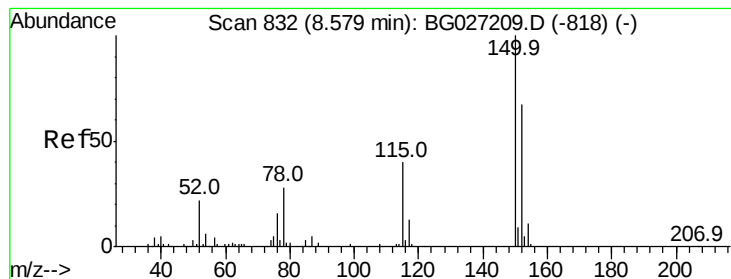
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060817\
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 09 10:57:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
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QLast Update : Mon Jun 05 16:00:35 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

Instrument :

BNA_G

ClientSampleId :

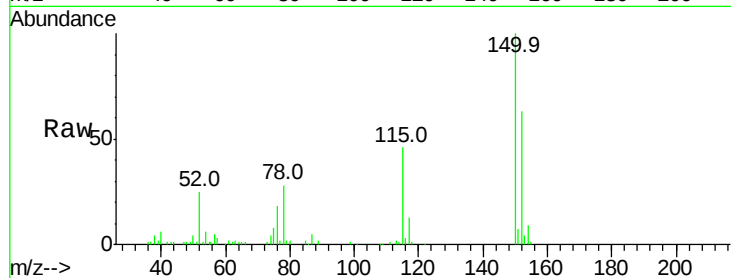
Tot Ion:152 Resp: 49652

Ion Ratio Lower Upper

152 100

150 159.1 114.0 171.0

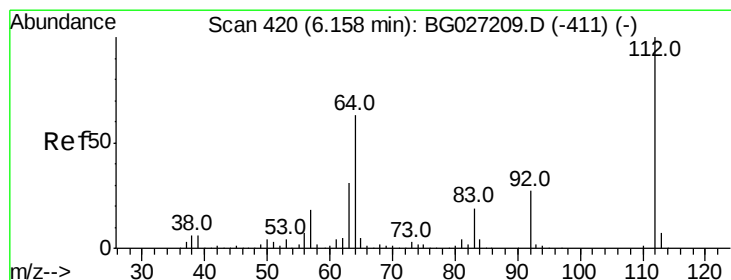
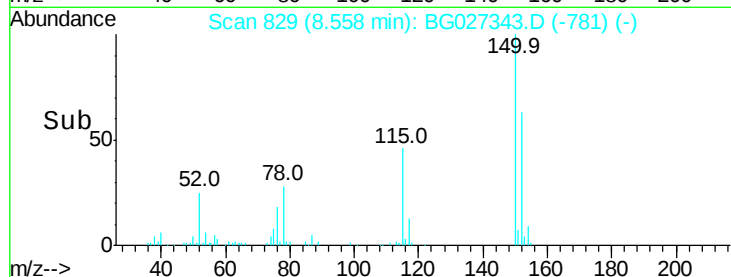
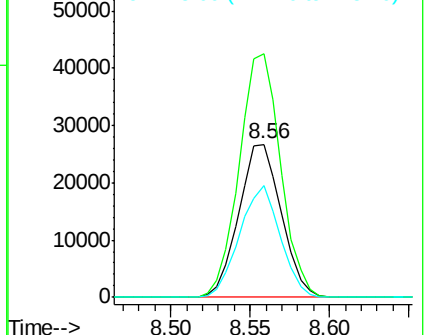
115 72.9 48.1 72.1#



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: 32.48 ng

RT: 6.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

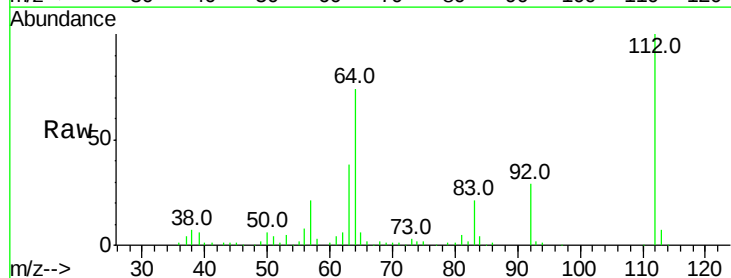
Tgt Ion:112 Resp: 105698

Ion Ratio Lower Upper

112 100

64 73.7 61.8 92.6

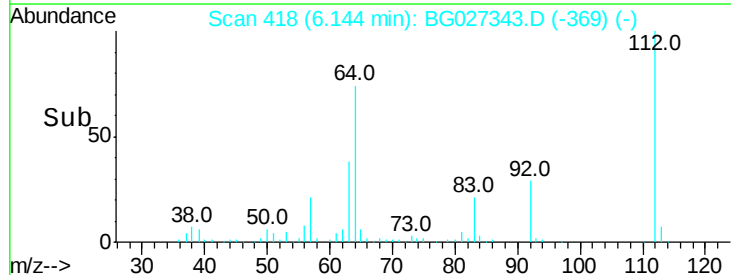
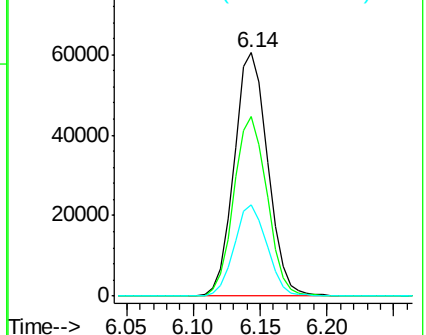
63 37.6 37.2 55.8



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: 21.19 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

Instrument :

BNA_G

ClientSampleId :

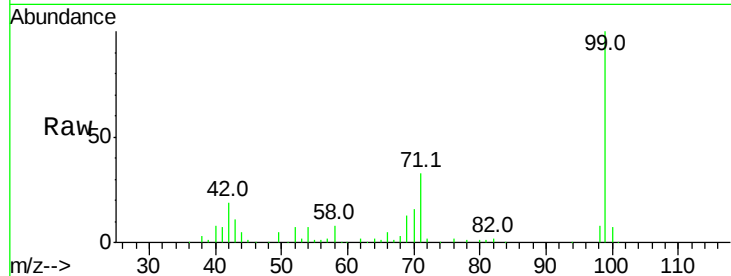
Tot Ion: 99 Resp: 101227

Ion Ratio Lower Upper

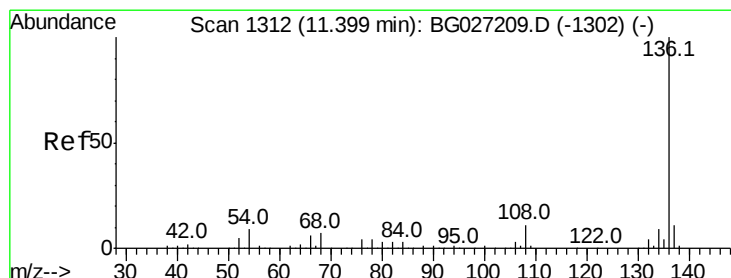
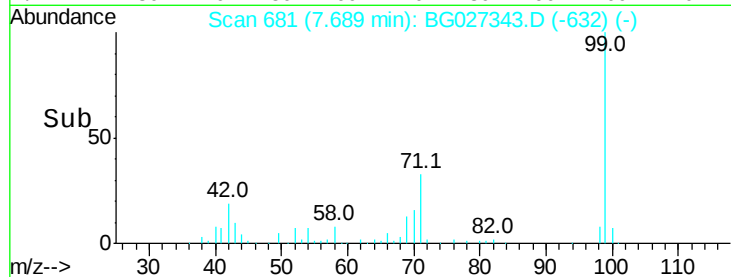
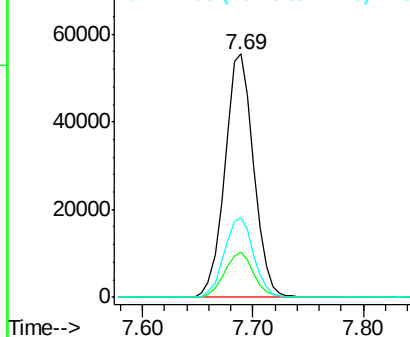
99 100

42 18.5 20.5 30.7#

71 32.8 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: 11.37 min Scan# 1308

Delta R.T. -0.03 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

Tgt Ion: 136 Resp: 233255

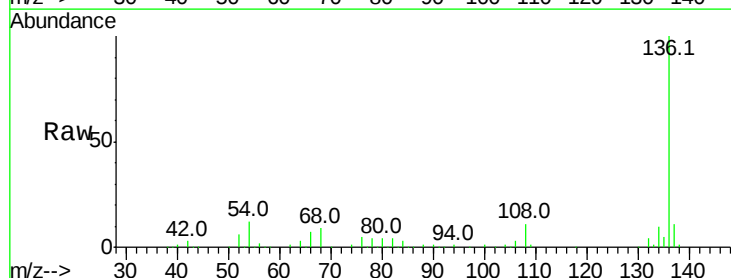
Ion Ratio Lower Upper

136 100

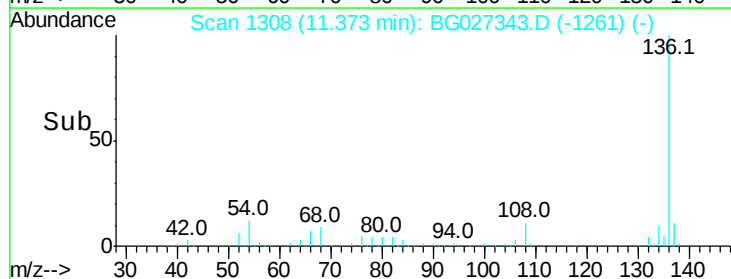
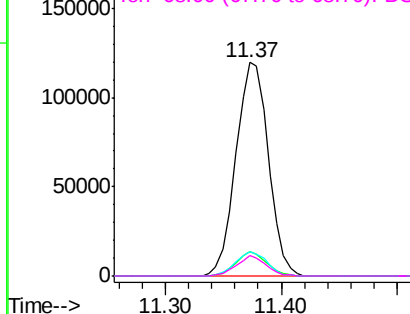
137 11.3 8.9 13.3

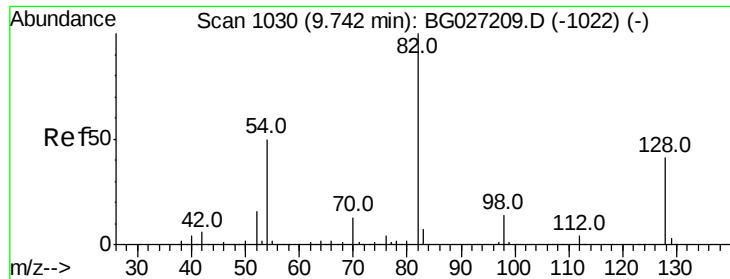
54 11.7 9.3 13.9

68 9.5 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

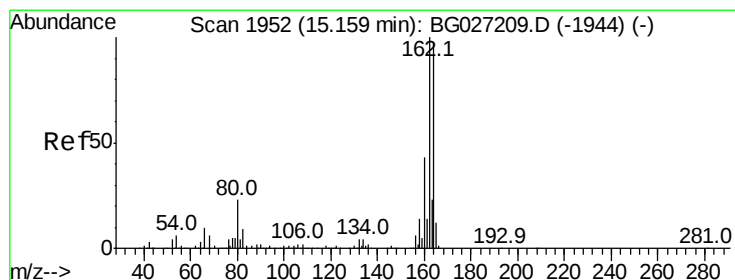
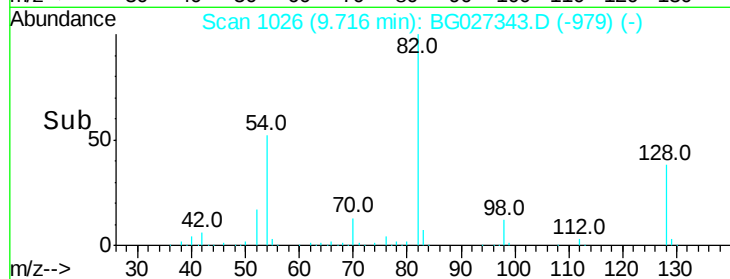
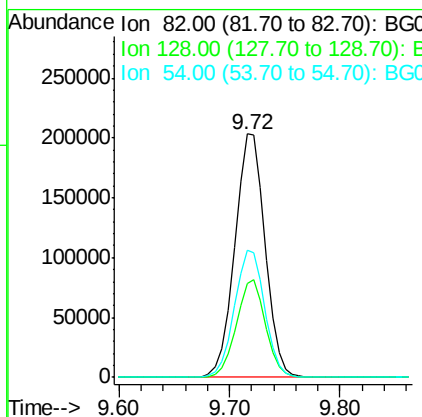
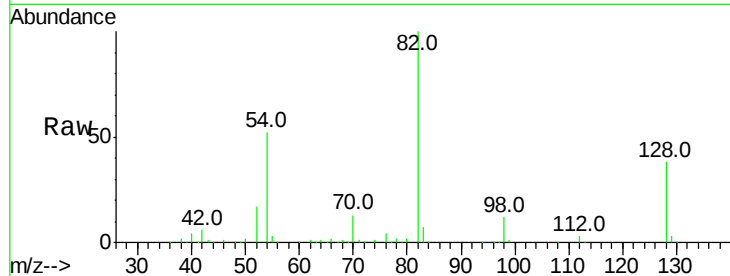




#23
 Nitrobenzene-d5
 Concen: 105.40 ng
 RT: 9.72 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

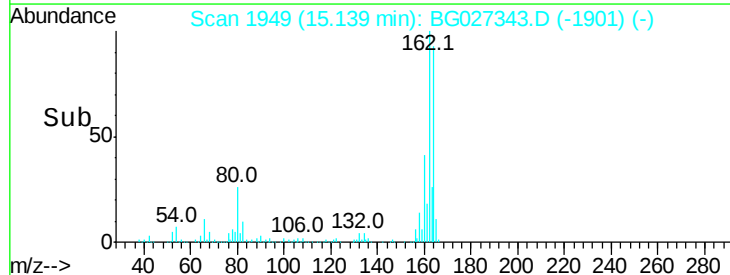
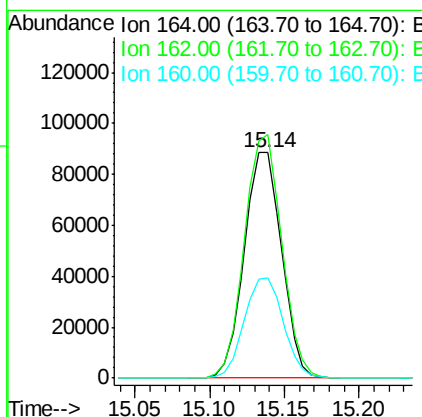
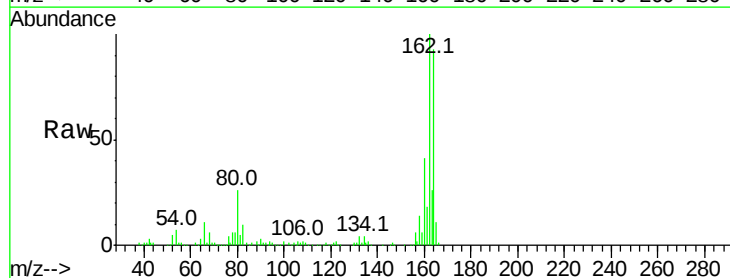
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	390921
Ion	Ratio	Lower	Upper
82	100		
128	38.3	26.4	39.6
54	52.2	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

Tgt Ion	164	Resp	153513
Ion	Ratio	Lower	Upper
164	100		
162	108.0	85.1	127.7
160	44.3	34.7	52.1

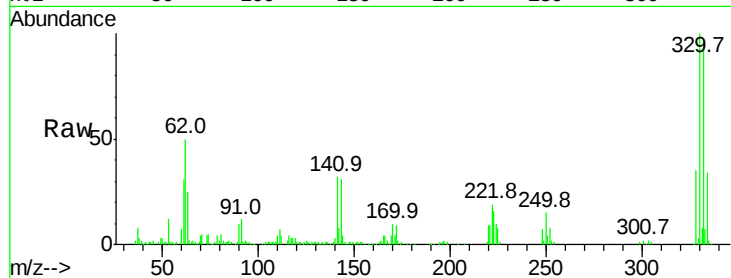




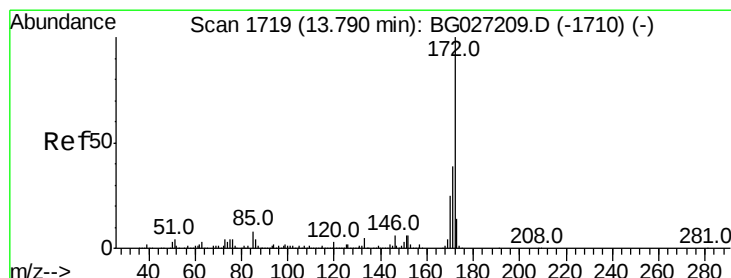
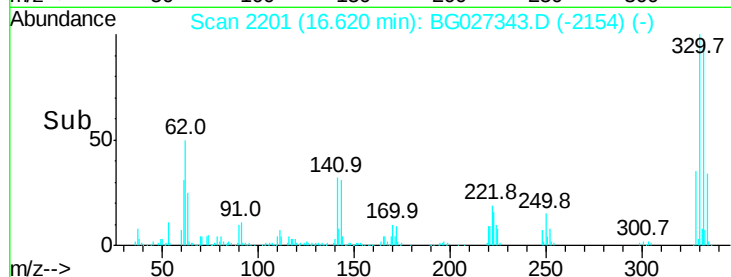
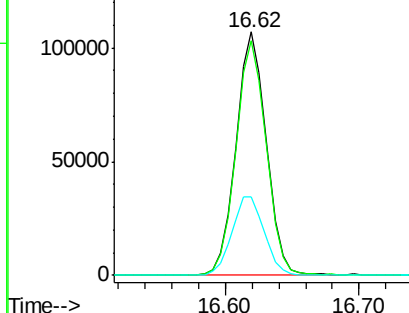
#41
 2,4,6-Tribromophenol
 Concen: 82.80 ng
 RT: 16.62 min Scan# 2201
 Delta R.T. -0.03 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	35.0	32.1	48.1

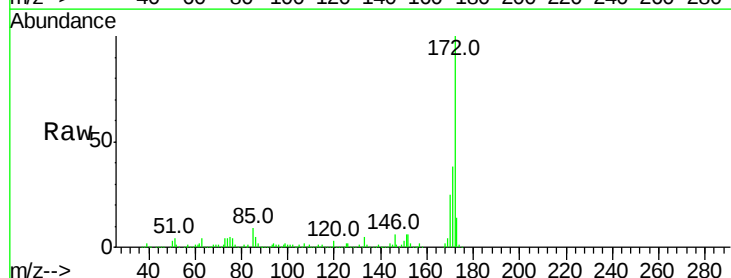


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

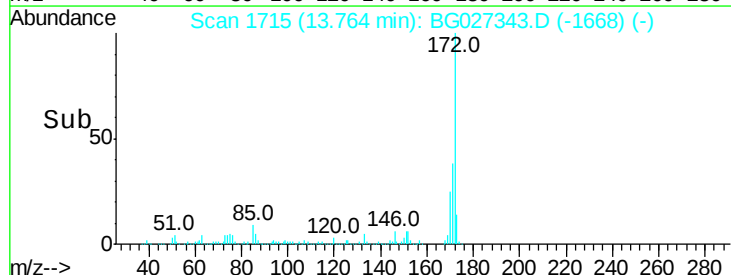
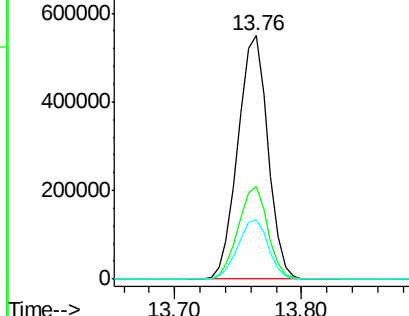


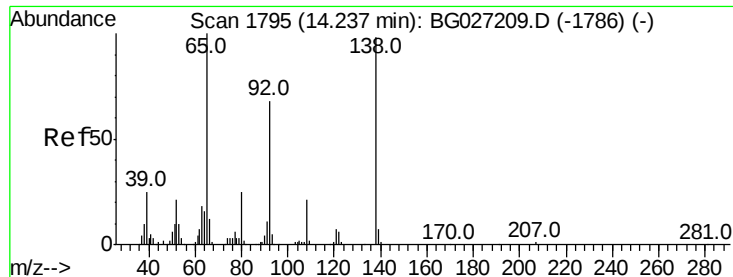
#44
 2-Fluorobiphenyl
 Concen: 82.16 ng
 RT: 13.76 min Scan# 1715
 Delta R.T. -0.03 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	32.2	48.2
170	24.6	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

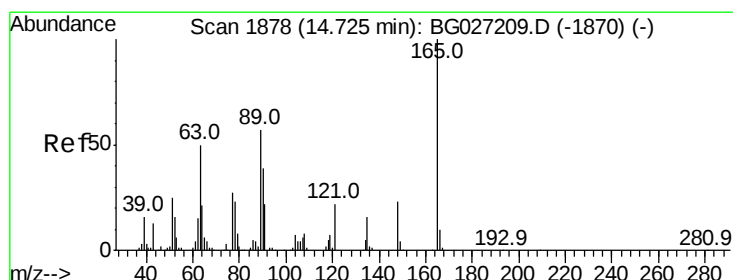
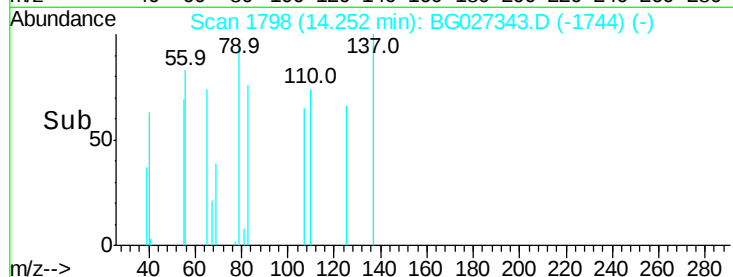
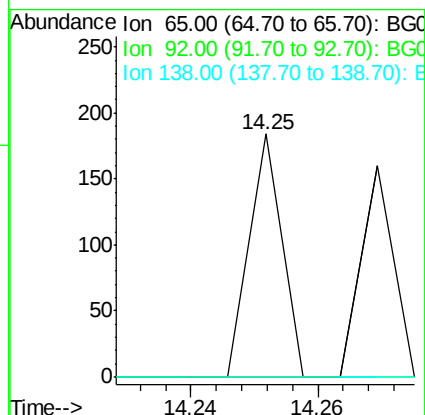
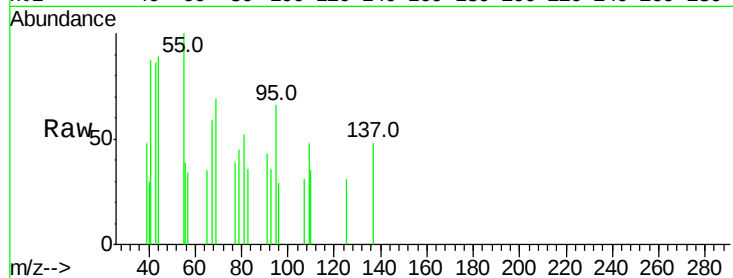




#47
 2-Nitroaniline
 Concen: 6.85 ng
 RT: 14.25 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

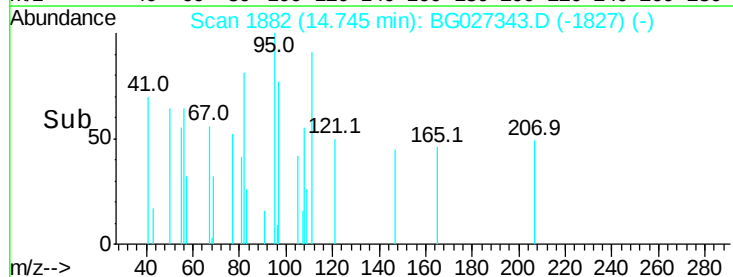
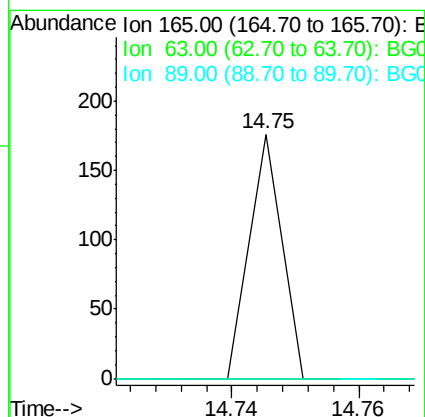
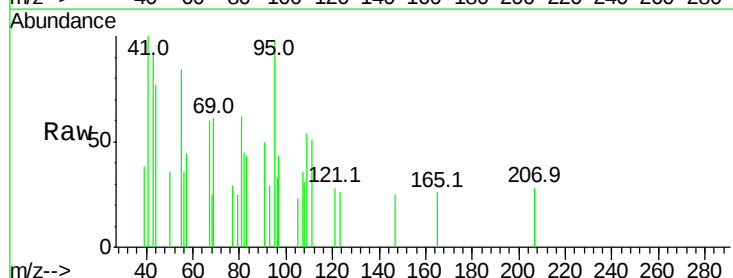
Instrument :
 BNA_G
 ClientSampled :

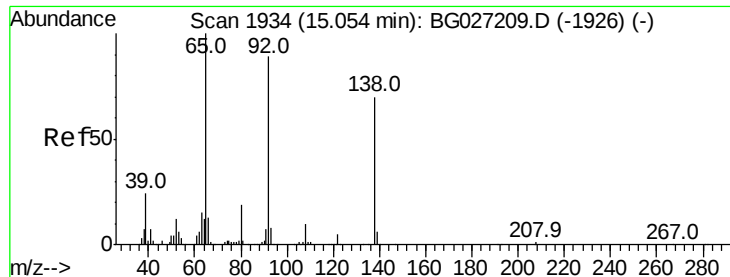
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	49.0	73.4#
138	0.0	58.6	87.8#



#50
 2,6-Dinitrotoluene
 Concen: 5.64 ng
 RT: 14.75 min Scan# 1882
 Delta R.T. 0.02 min
 Lab File: BG027343.D
 Acq: 9 Jun 2017 8:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.9	95.9#
89	0.0	58.6	88.0#





#52

3-Nitroaniline

Concen: 5.74 ng

RT: 14.97 min Scan# 1920

Delta R.T. -0.08 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

Instrument :

BNA_G

ClientSampleId :

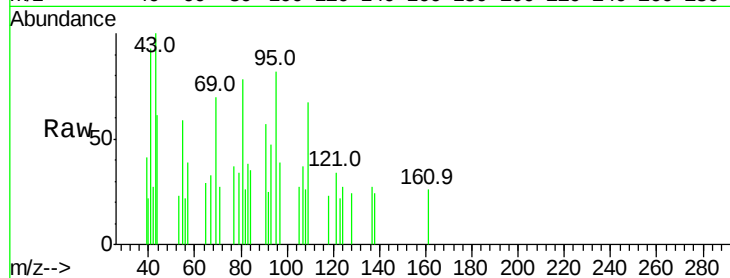
Tot Ion:138 Resp: 58

Ion Ratio Lower Upper

138 100

108 111.0 10.9 16.3#

92 103.0 115.3 172.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

250

200

150

100

50

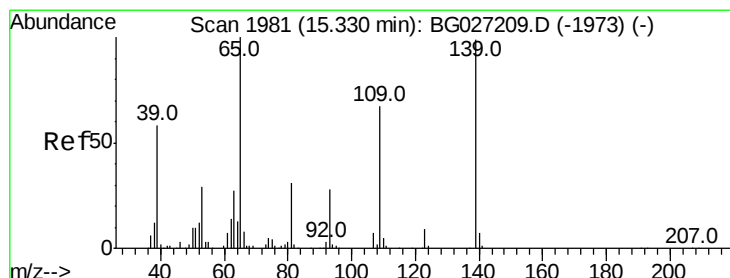
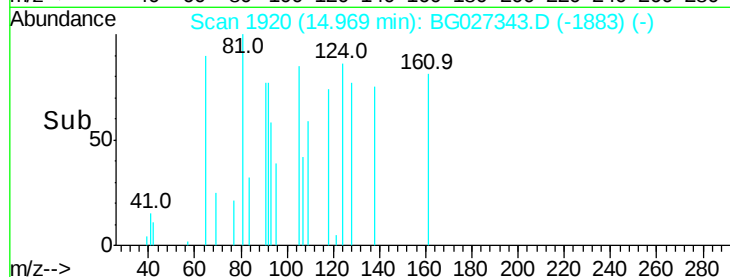
0

14.96

14.97

14.98

Time-->



#55

4-Nitrophenol

Concen: 6.15 ng

RT: 15.30 min Scan# 1976

Delta R.T. -0.03 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

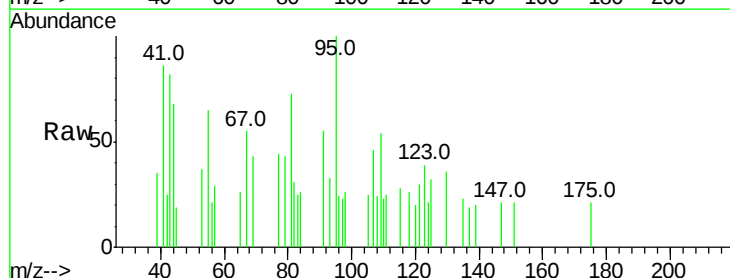
Tgt Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 272.3 101.2 141.2#

65 133.1 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

600

400

200

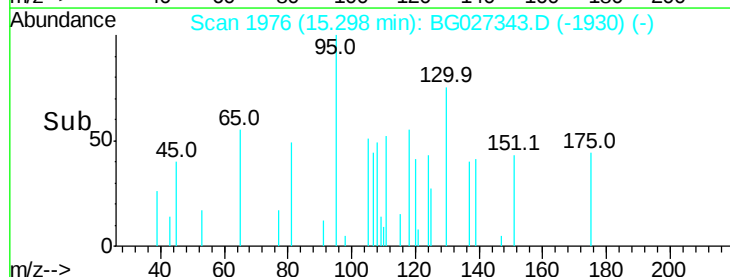
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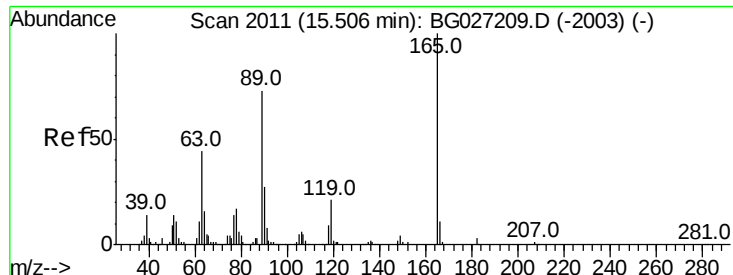
15.29

15.30

15.31

Time-->

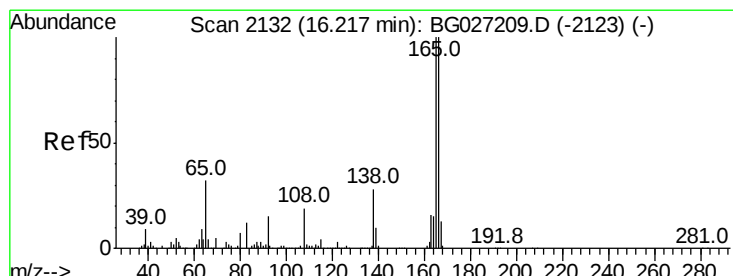
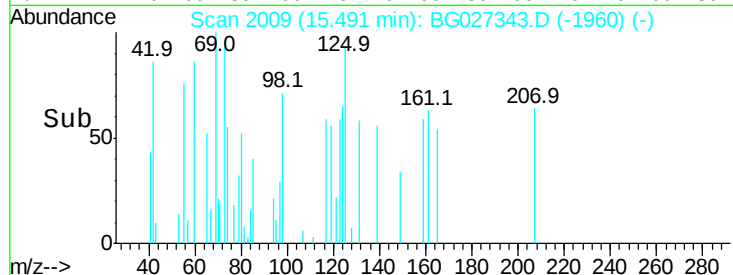
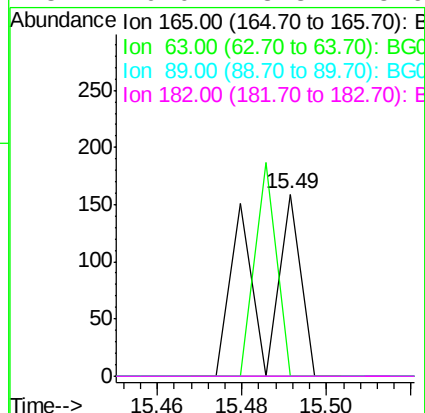
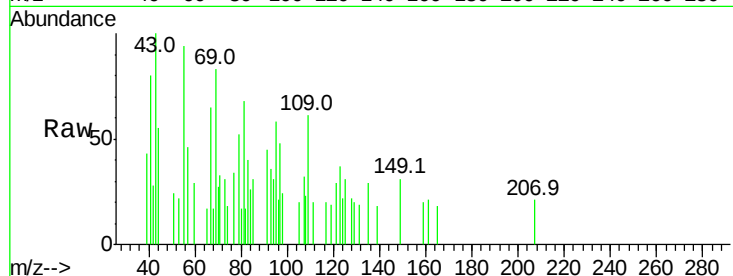




#56
2,4-Dinitrotoluene
Concen: 7.01 ng
RT: 15.49 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG027343.D
Acq: 9 Jun 2017 8:52

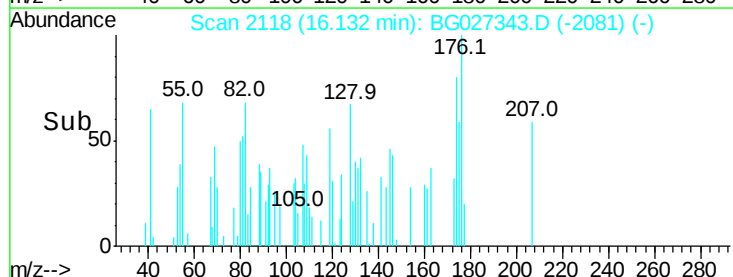
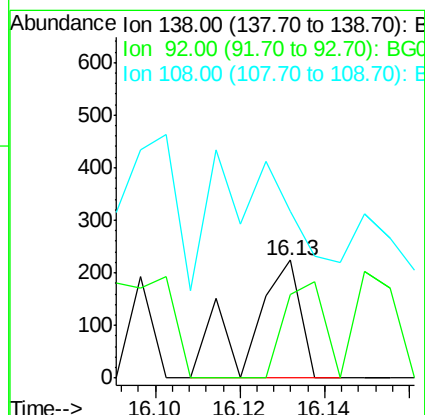
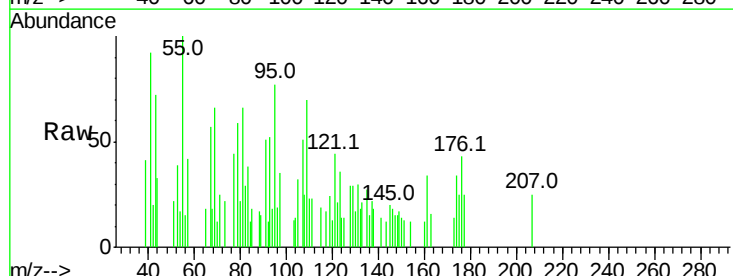
Instrument :
BNA_G
ClientSampleId :

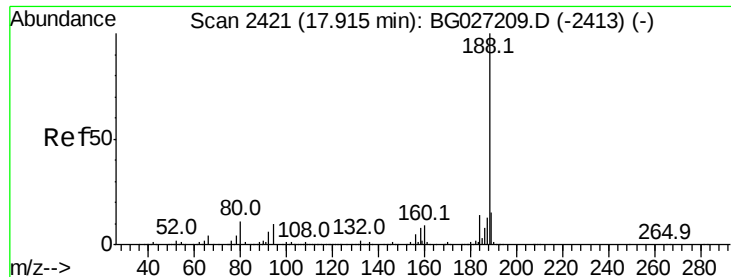
Tot Ion:165 Resp: 109
Ion Ratio Lower Upper
165 100
63 0.0 44.0 66.0#
89 0.0 67.3 100.9#
182 0.0 3.8 5.6#



#61
4-Nitroaniline
Concen: 5.96 ng
RT: 16.13 min Scan# 2118
Delta R.T. -0.09 min
Lab File: BG027343.D
Acq: 9 Jun 2017 8:52

Tgt Ion:138 Resp: 187
Ion Ratio Lower Upper
138 100
92 71.0 44.2 84.2
108 141.5 104.8 144.8

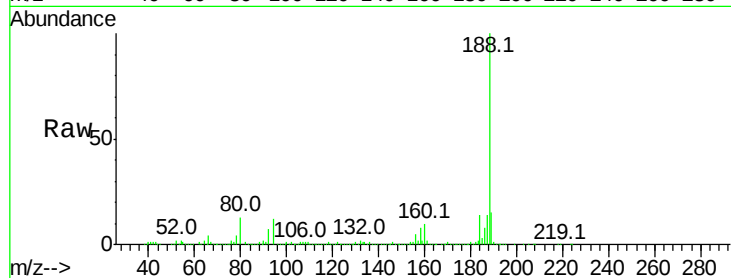




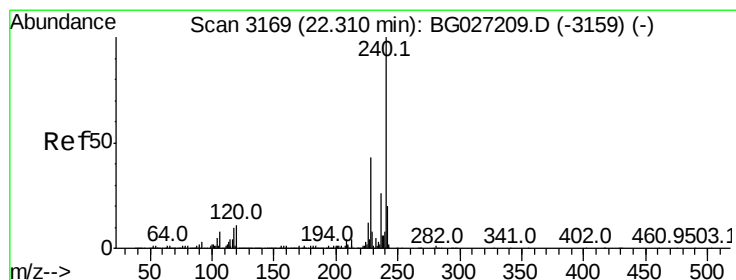
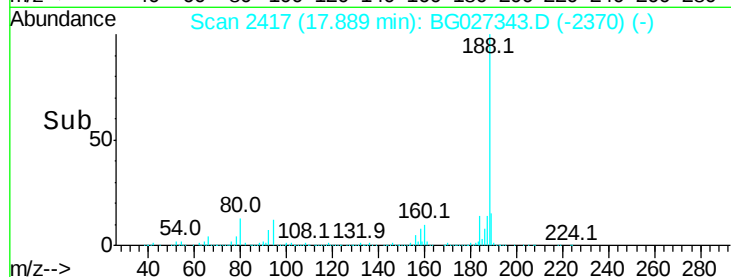
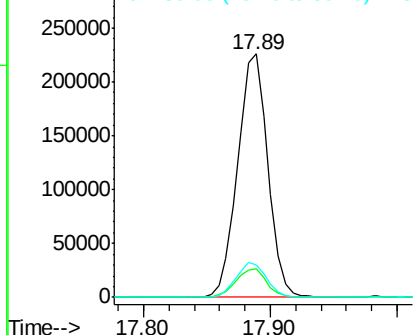
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.89 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BG027343.D
Acq: 9 Jun 2017 8:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 372677
Ion Ratio Lower Upper
188 100
94 11.7 5.8 8.8#
80 13.4 7.5 11.3#

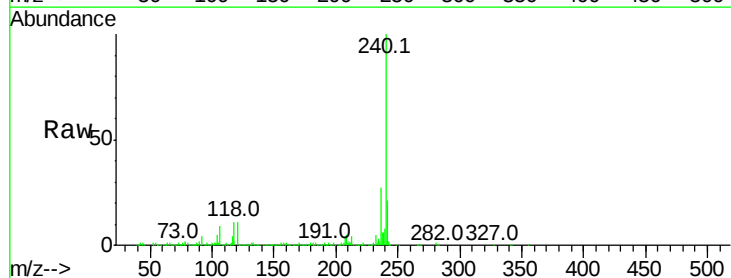


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

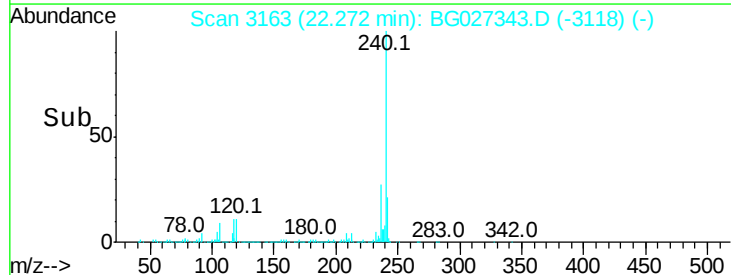
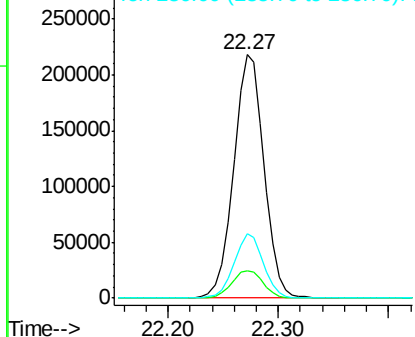


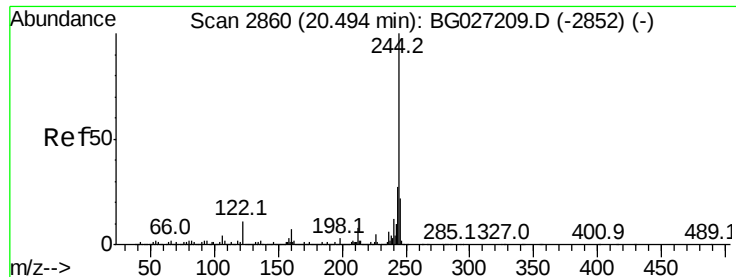
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.27 min Scan# 3163
Delta R.T. -0.04 min
Lab File: BG027343.D
Acq: 9 Jun 2017 8:52

Tgt Ion:240 Resp: 418583
Ion Ratio Lower Upper
240 100
120 11.5 5.7 8.5#
236 26.5 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





#78

Terphenyl-d14

Concen: 88.34 ng

RT: 20.47 min Scan# 2856

Delta R.T. -0.03 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

Instrument :

BNA_G

ClientSampleId :

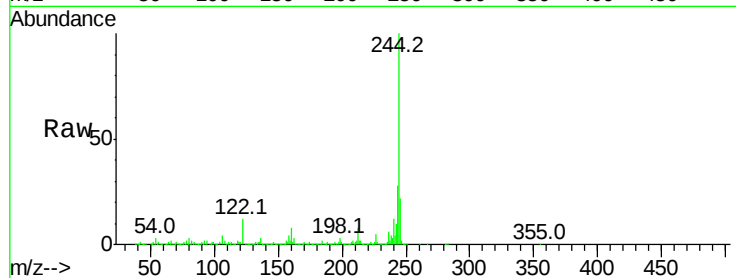
Tot Ion:244 Resp: 1449502

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

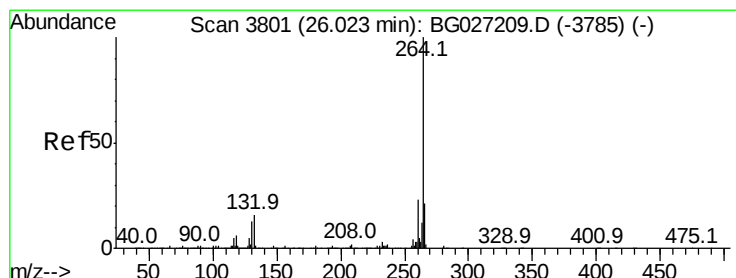
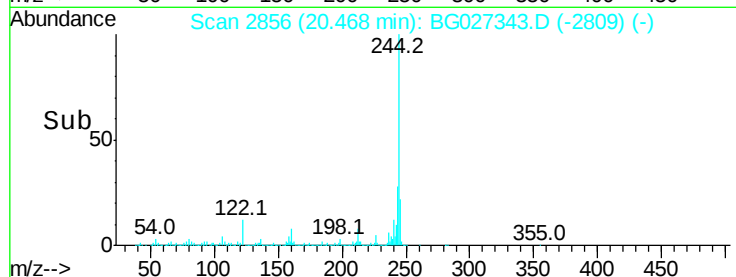
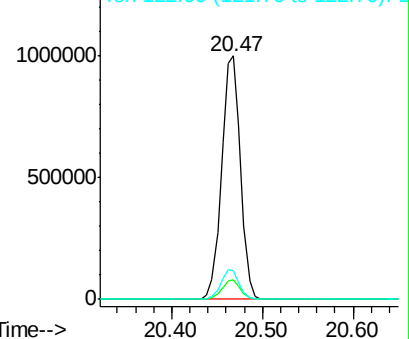
122 11.6 8.6 12.8



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: 25.96 min Scan# 3790

Delta R.T. -0.07 min

Lab File: BG027343.D

Acq: 9 Jun 2017 8:52

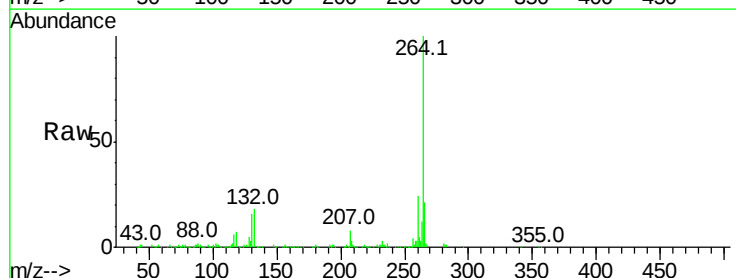
Tgt Ion:264 Resp: 393340

Ion Ratio Lower Upper

264 100

260 23.7 21.8 32.8

265 21.2 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

