

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032858.D
 Acq On : 27 Feb 2018 17:18
 Operator : SJ/JU
 Sample : PB106878BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:38:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

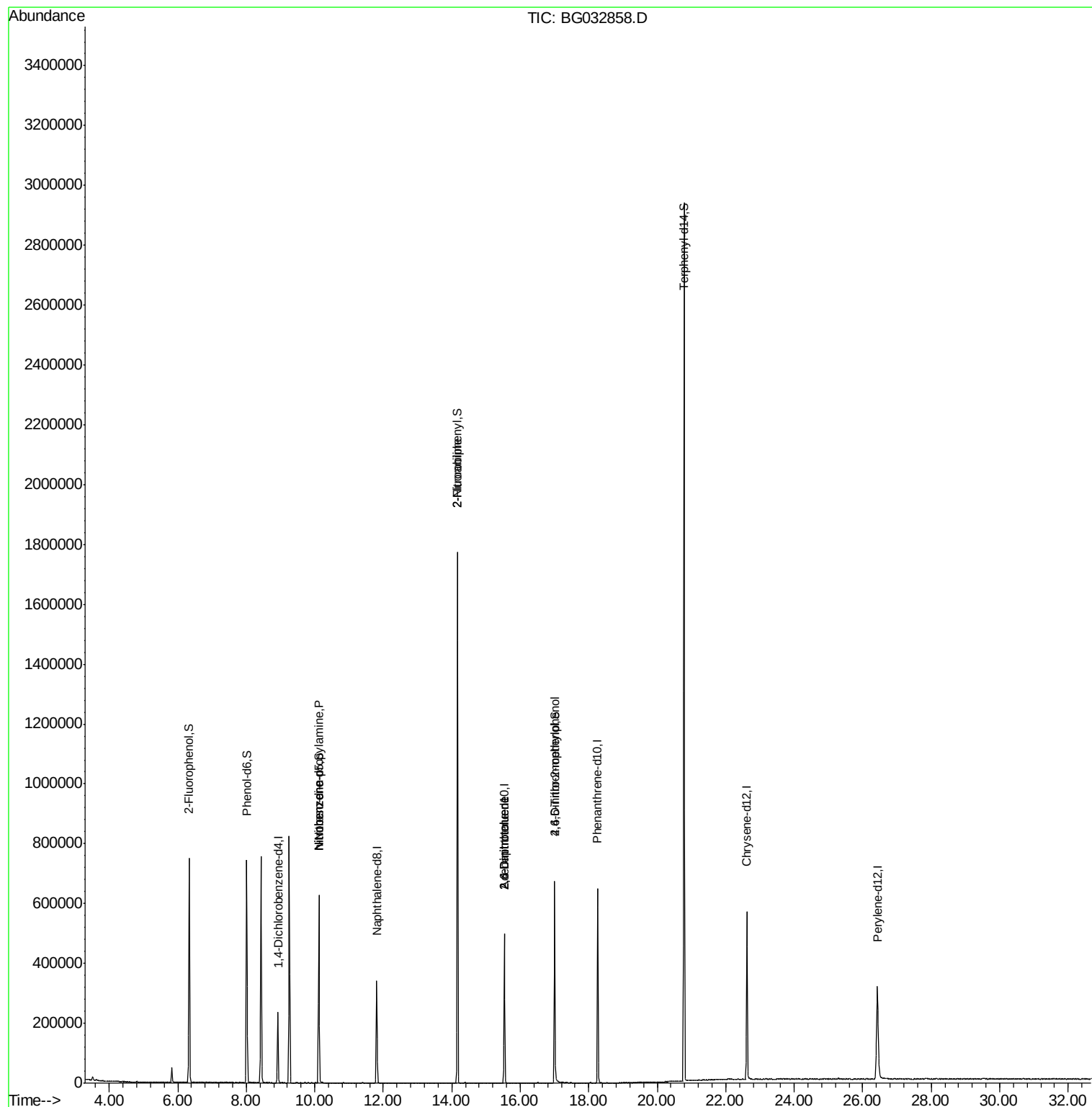
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	71258	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	306253	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	170298	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	395970	20.00	ng	0.00
75) Chrysene-d12	22.61	240	371383	20.00	ng	-0.02
86) Perylene-d12	26.43	264	382395	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	376304	84.49	ng	0.00
7) Phenol-d6	8.01	99	495354	79.79	ng	0.00
23) Nitrobenzene-d5	10.12	82	397901	89.56	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	125557	70.12	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	914957	77.49	ng	0.00
78) Terphenyl-d14	20.78	244	1258777	76.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	51141	11.67	ng	# 79
24) Nitrobenzene	10.12	77	1293	6.61	ng	# 34
47) 2-Nitroaniline	14.17	65	1726	10.33	ng	# 27
50) 2,6-Dinitrotoluene	15.54	165	22050	16.40	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	22050	14.60	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	434	5.41	ng	# 16

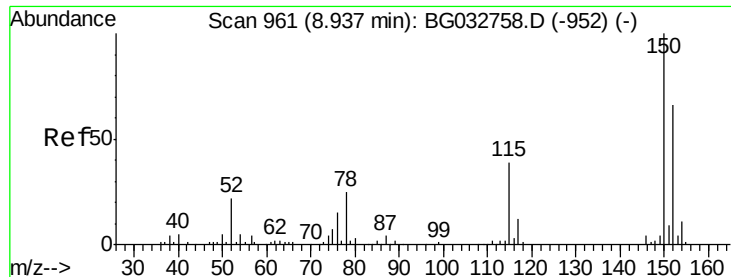
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampleId :

Quant Time: Feb 28 02:38:03 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

Instrument :

BNA_G

ClientSampleId :

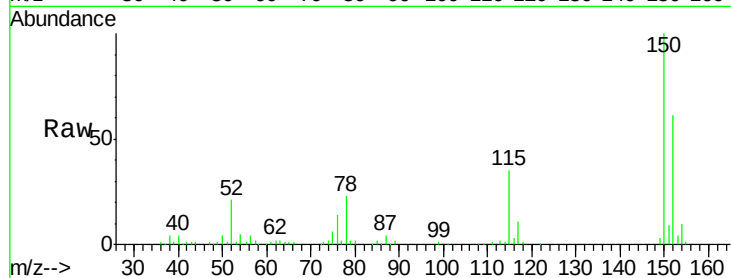
Tot Ion:152 Resp: 71258

Ion Ratio Lower Upper

152 100

150 162.6 126.6 189.8

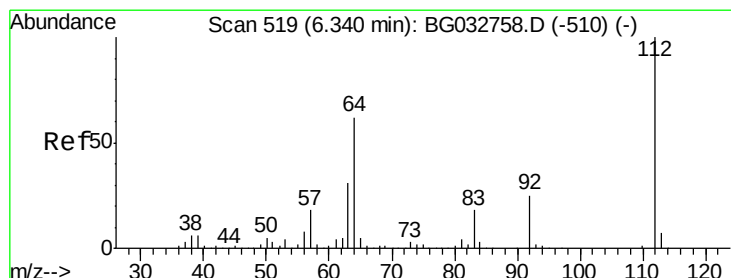
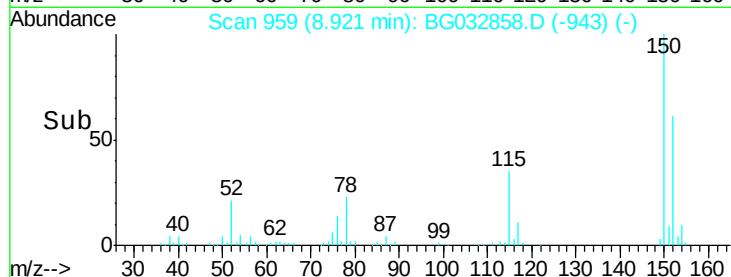
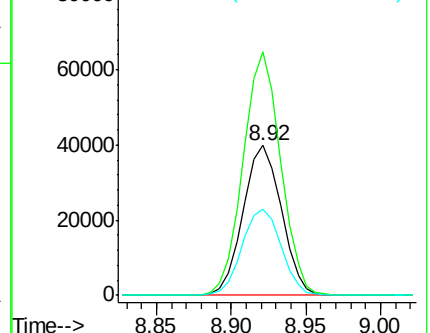
115 57.4 53.0 79.4



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: 84.49 ng

RT: 6.33 min Scan# 518

Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

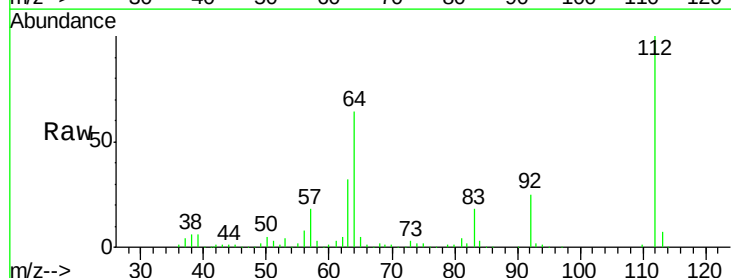
Tgt Ion:112 Resp: 376304

Ion Ratio Lower Upper

112 100

64 63.6 56.3 84.5

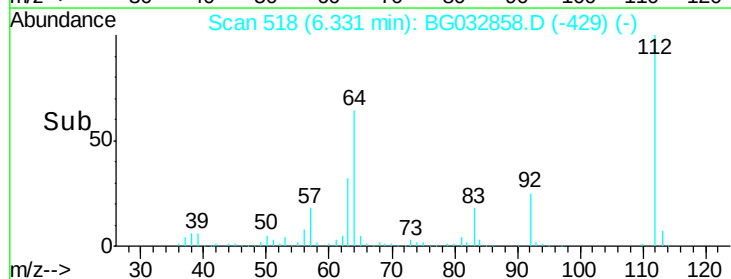
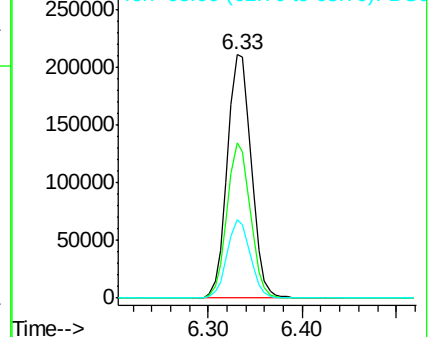
63 32.4 30.1 45.1

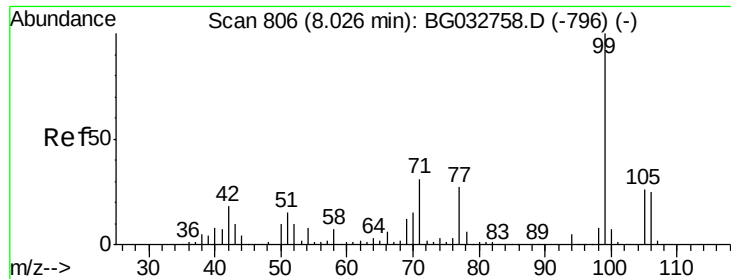


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 79.79 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

Instrument :

BNA_G

ClientSampleId :

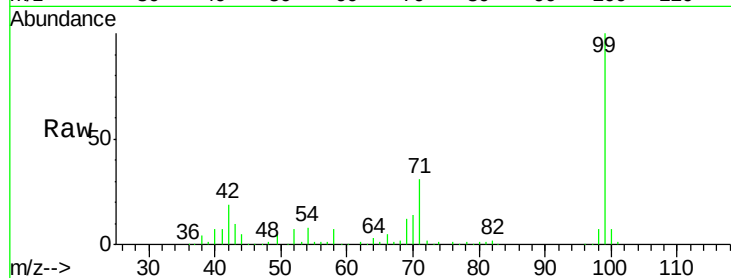
Tot Ion: 99 Resp: 495354

Ion Ratio Lower Upper

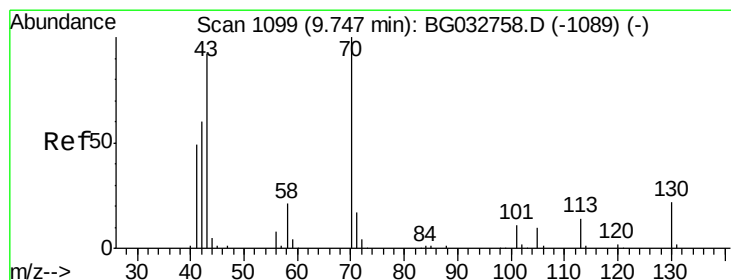
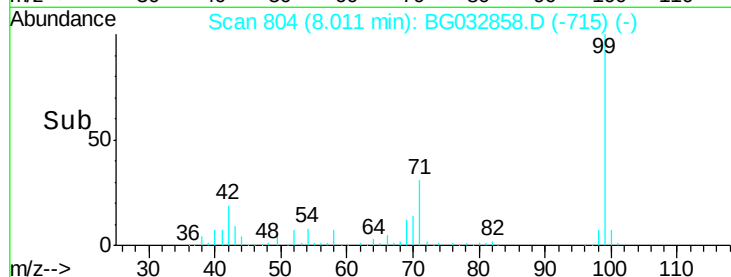
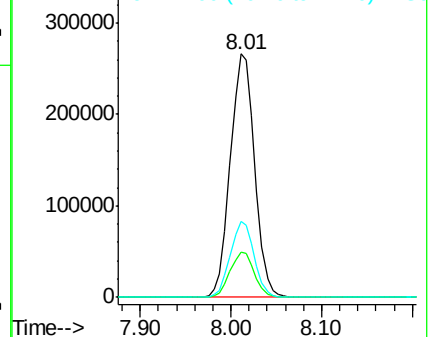
99 100

42 18.6 14.1 21.1

71 31.1 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.67 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

Tgt Ion: 70 Resp: 51141

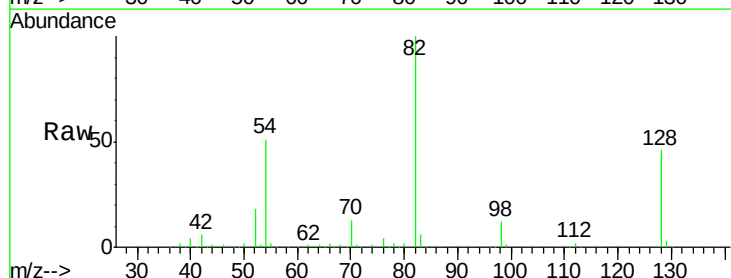
Ion Ratio Lower Upper

70 100

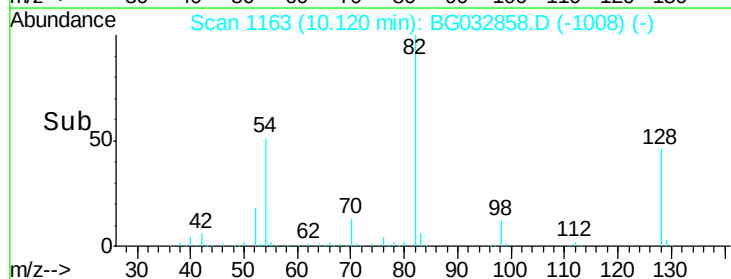
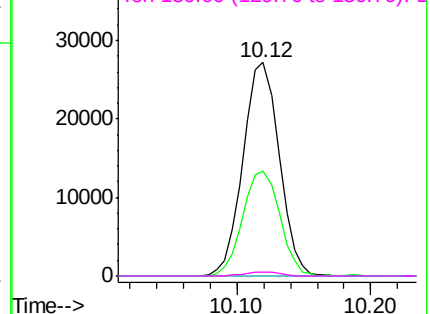
42 49.2 49.1 73.7

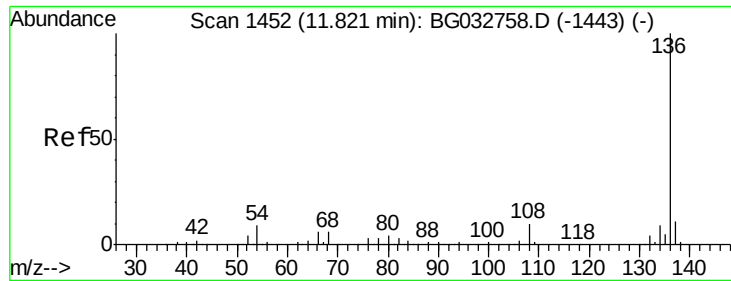
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

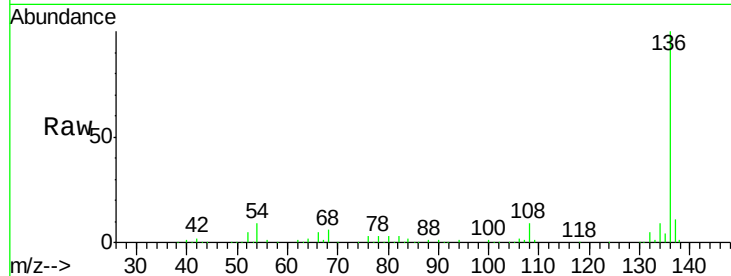




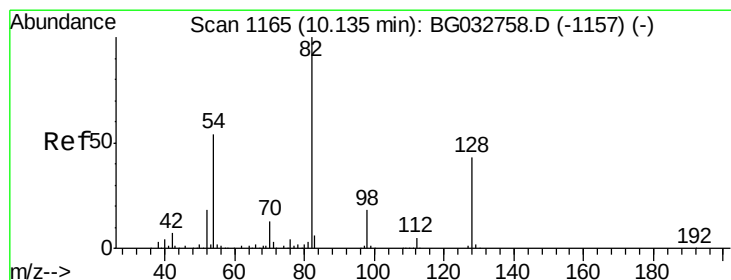
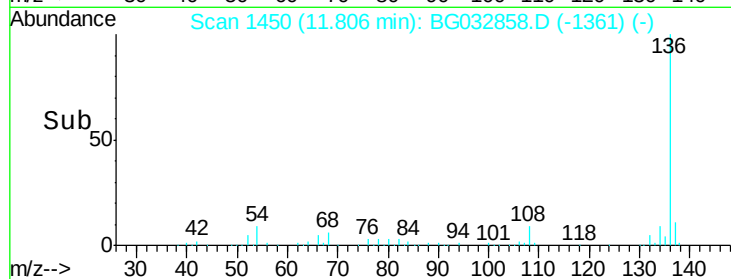
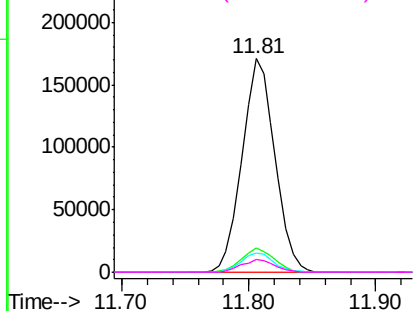
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032858.D
Acq: 27 Feb 2018 17:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	306253
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	8.9	10.3 15.5#
68	6.2	4.5 6.7

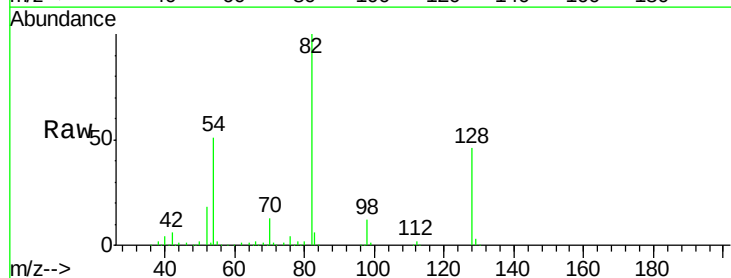


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

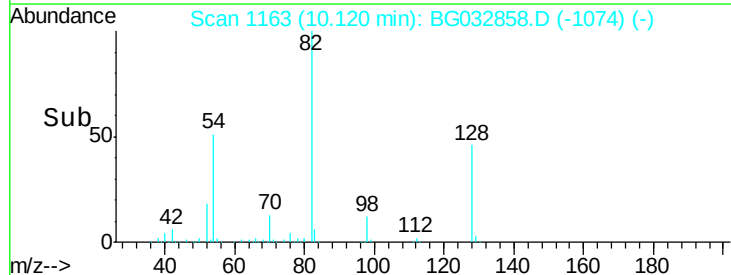
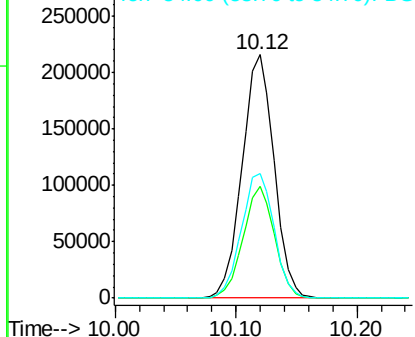


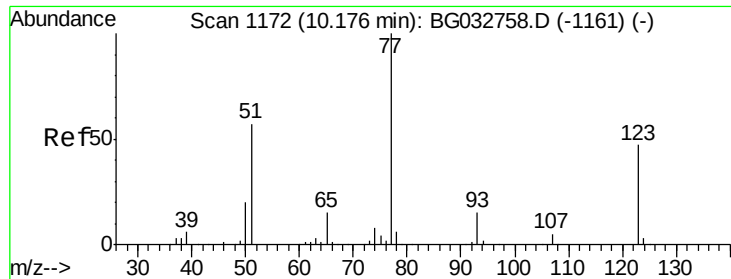
#23
Nitrobenzene-d5
Concen: 89.56 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032858.D
Acq: 27 Feb 2018 17:18

Tgt Ion: 82	Resp:	397901
Ion Ratio	Lower	Upper
82	100	
128	45.9	29.7 44.5#
54	51.2	43.1 64.7



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





#24

Nitrobenzene

Concen: 6.61 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

Instrument :

BNA_G

ClientSampled :

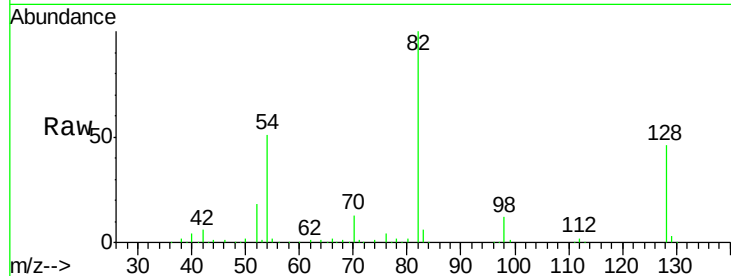
Tot Ion: 77 Resp: 1293

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

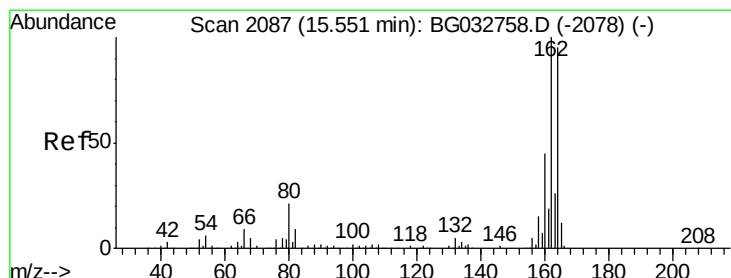
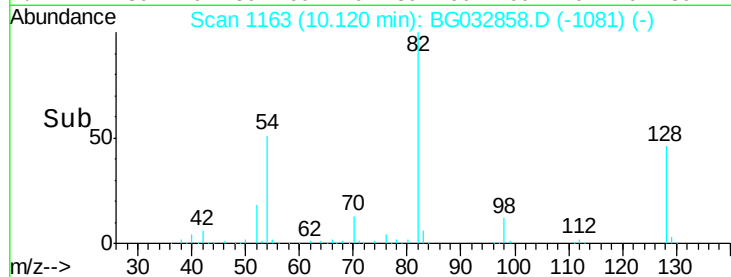
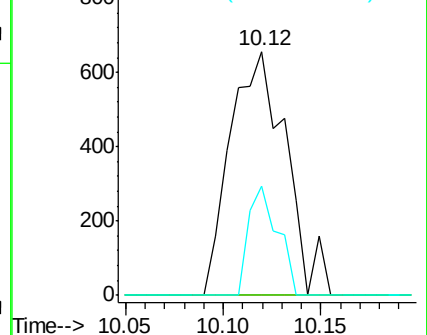
65 44.7 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

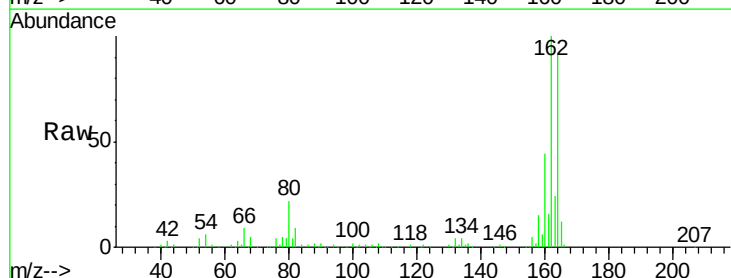
Tgt Ion:164 Resp: 170298

Ion Ratio Lower Upper

164 100

162 108.7 78.8 118.2

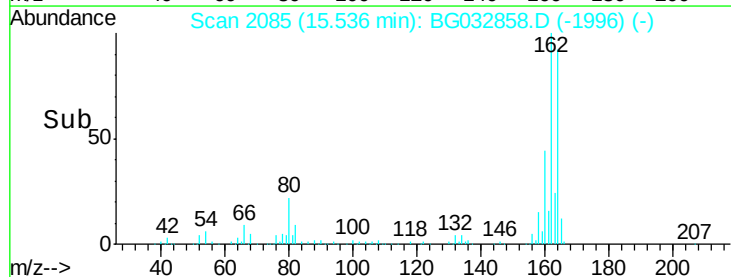
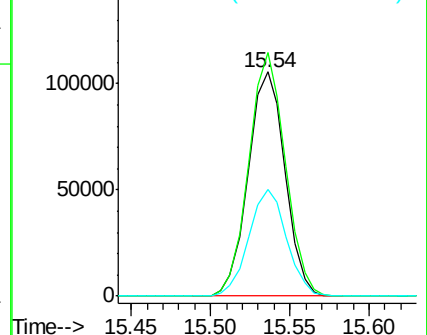
160 47.5 35.4 53.0

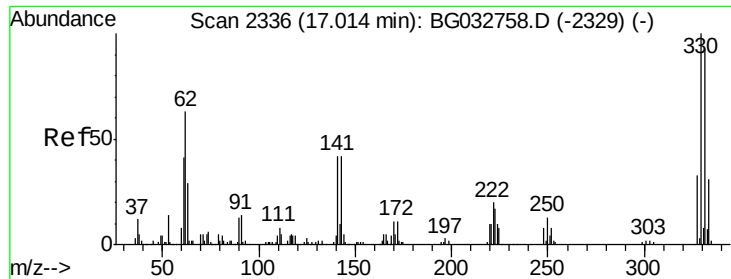


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

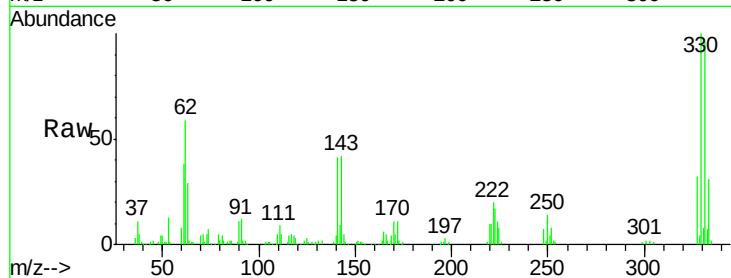




#41
 2,4,6-Tribromophenol
 Concen: 70.12 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	41.3	25.2	37.8#

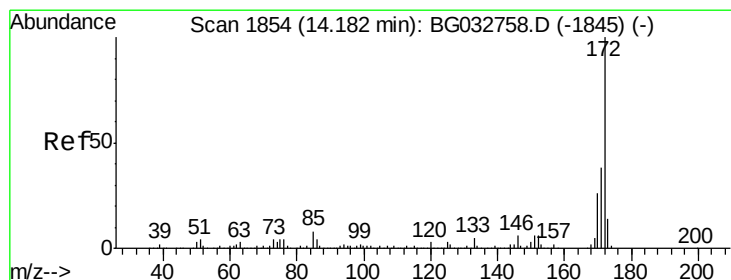
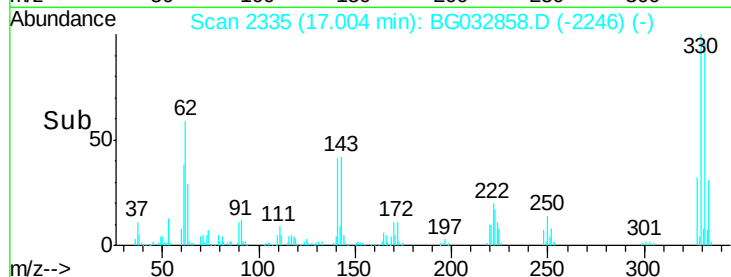
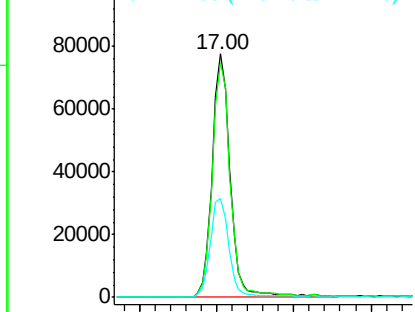


Abundance

Ion 329.80 (329.50 to 330.50): E

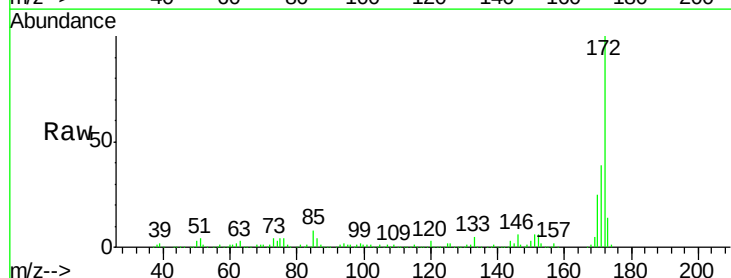
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.49 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	25.4	19.5	29.3

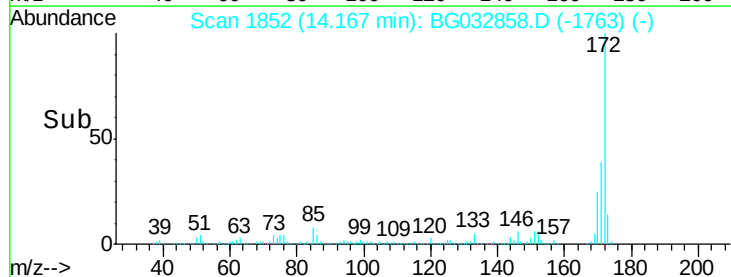
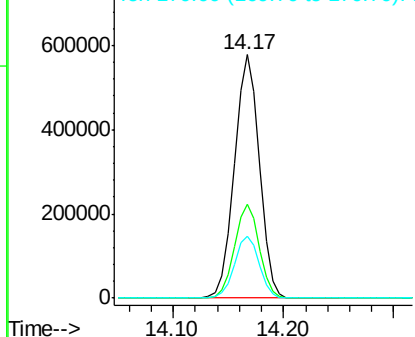


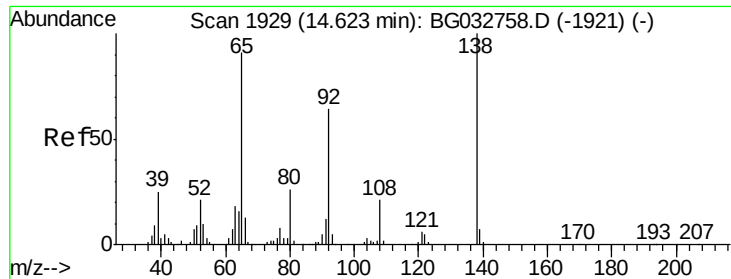
Abundance

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

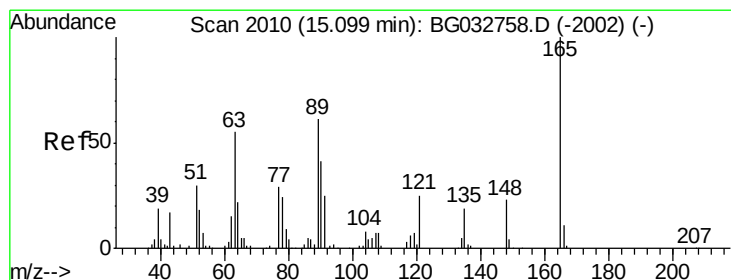
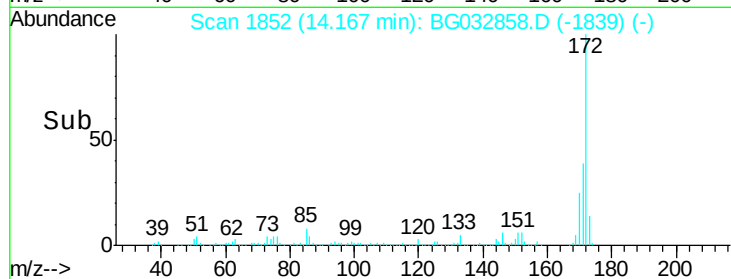
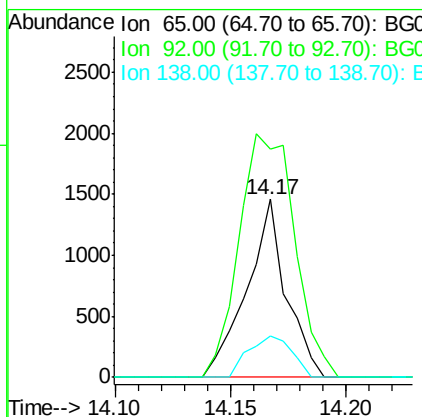
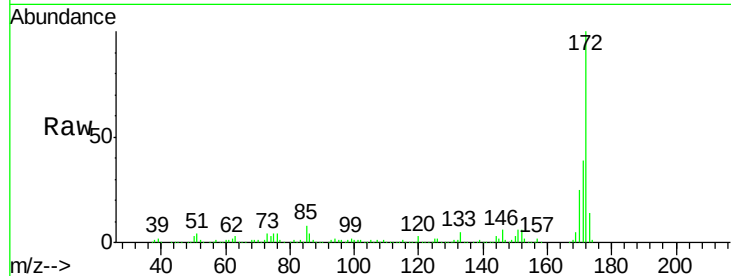




#47
2-Nitroaniline
Concen: 10.33 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032858.D
Acq: 27 Feb 2018 17:18

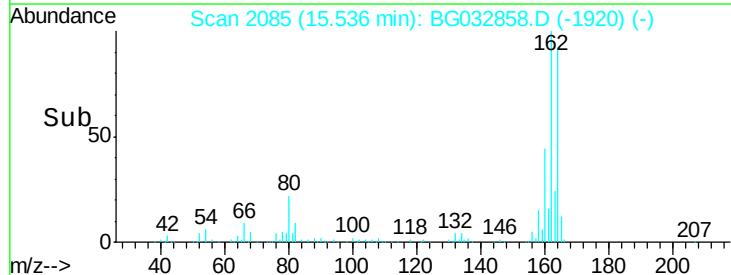
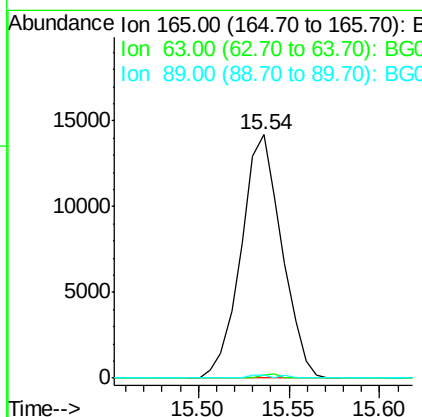
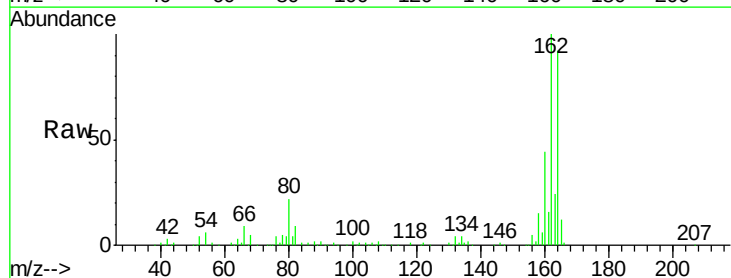
Instrument :
BNA_G
ClientSampleId :

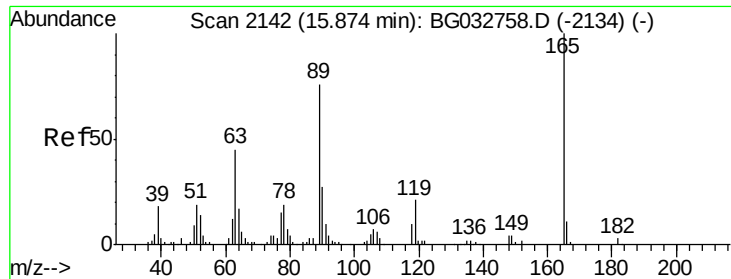
Tot Ion: 65 Resp: 1726
Ion Ratio Lower Upper
65 100
92 128.0 54.6 82.0#
138 23.2 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.40 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032858.D
Acq: 27 Feb 2018 17:18

Tgt Ion:165 Resp: 22050
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.4 49.2 73.8#

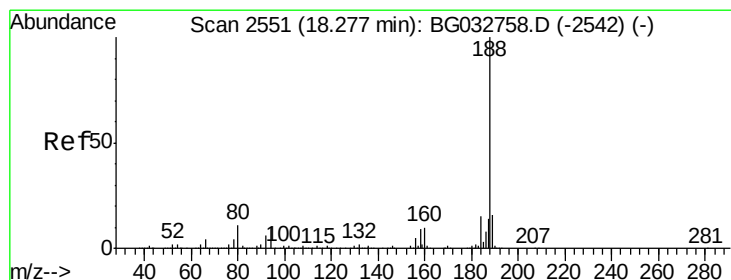
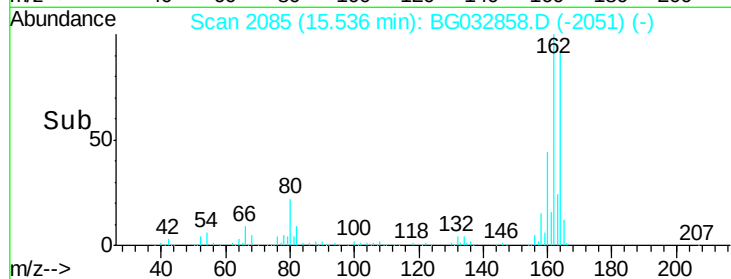
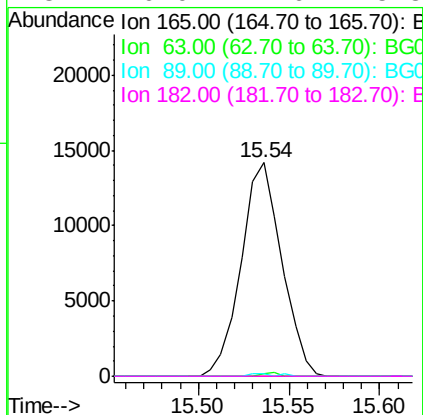
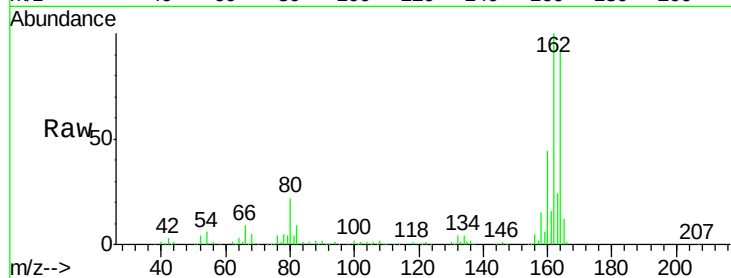




#56
 2,4-Dinitrotoluene
 Concen: 14.60 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

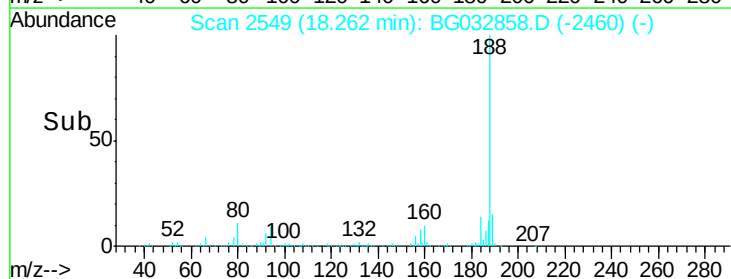
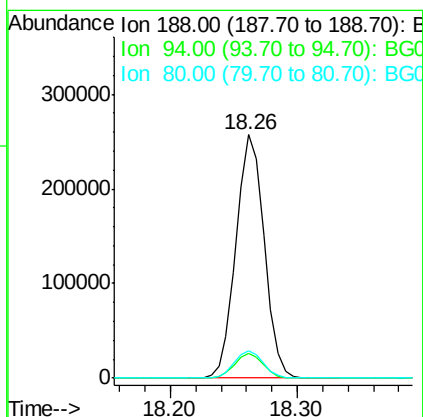
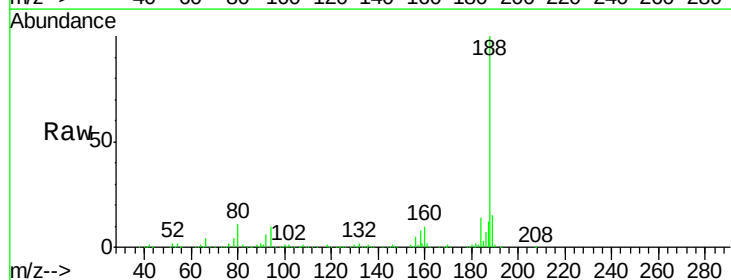
Instrument :
 BNA_G
 ClientSampleId :

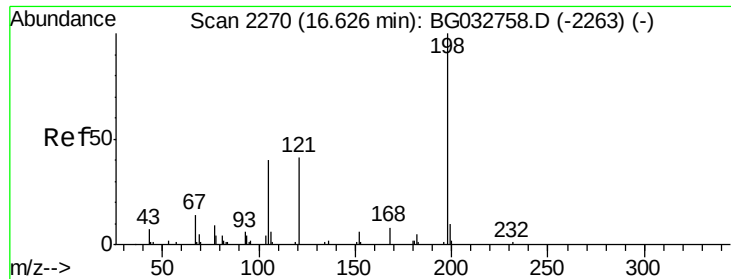
Tot Ion:165	Resp: 22050
Ion Ratio	Lower Upper
165 100	
63 1.3	42.0 63.0#
89 1.4	66.9 100.3#
182 0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

Tgt	Ion:188	Resp:	395970
Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	11.5	7.7	11.5

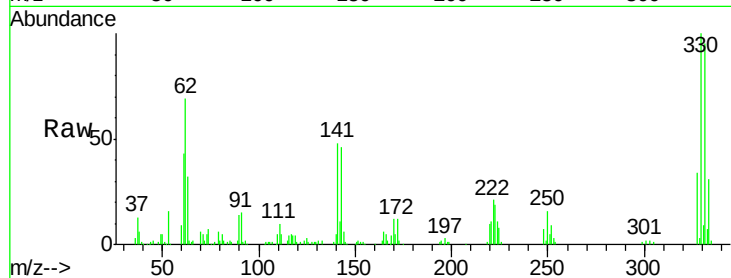




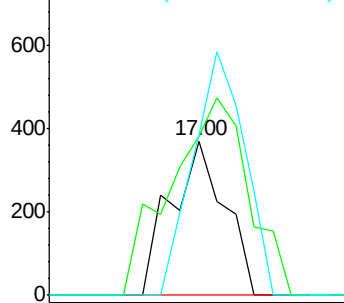
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.41 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

Instrument :
 BNA_G
 ClientSampleId :

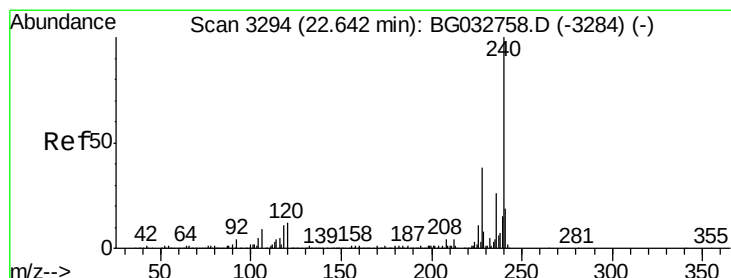
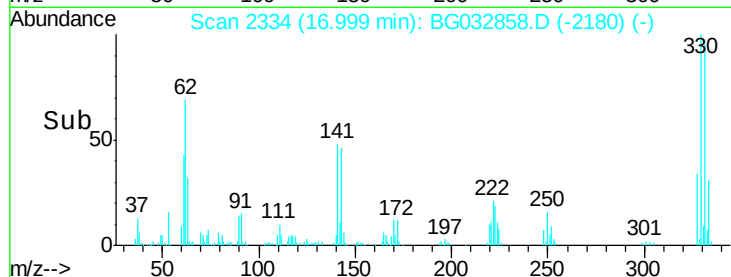
Tot Ion:198 Resp: 434
 Ion Ratio Lower Upper
 198 100
 51 103.5 30.6 70.6#
 105 104.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

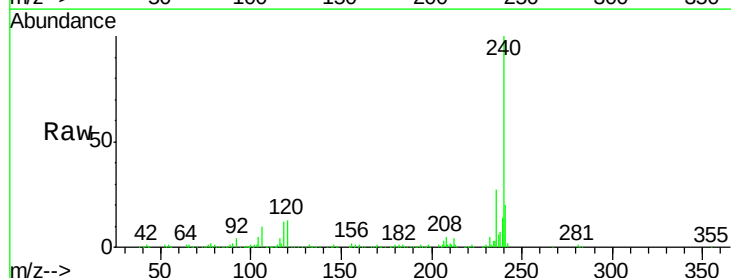


Time-->

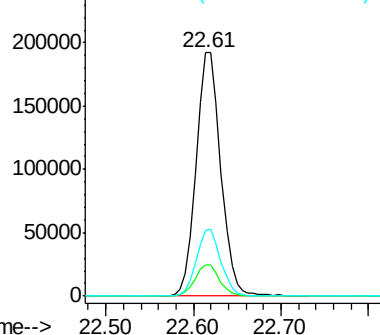


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032858.D
 Acq: 27 Feb 2018 17:18

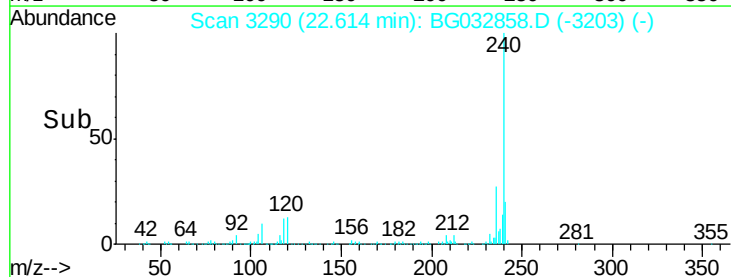
Tgt Ion:240 Resp: 371383
 Ion Ratio Lower Upper
 240 100
 120 13.0 6.8 10.2#
 236 26.9 20.9 31.3

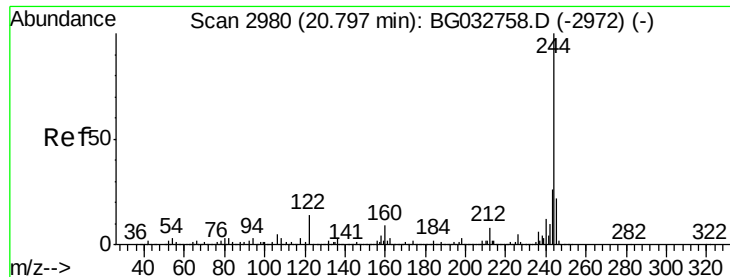


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 76.15 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

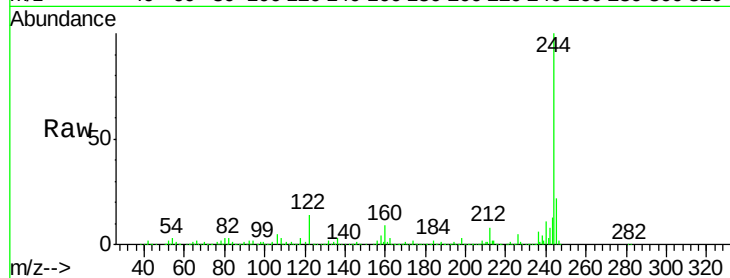
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1258777

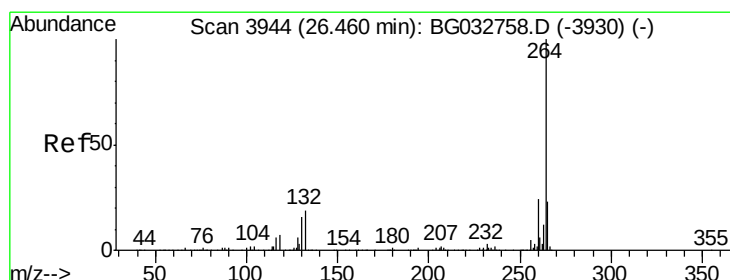
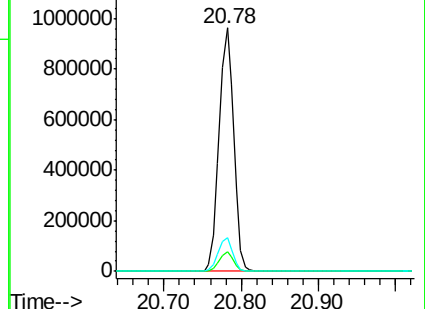
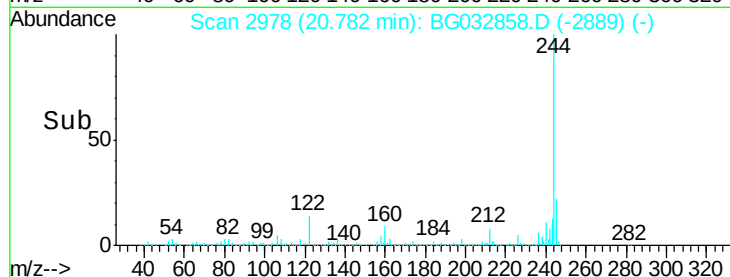
Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	13.8	7.0	10.4



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: 26.43 min Scan# 3939

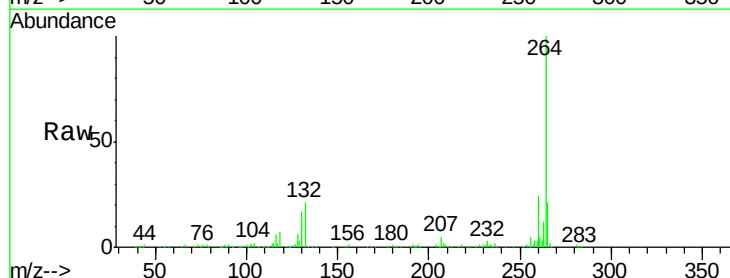
Delta R.T. -0.01 min

Lab File: BG032858.D

Acq: 27 Feb 2018 17:18

Tgt Ion:264 Resp: 382395

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	20.6	17.7	26.5



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

