

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041718\
 Data File : BG033859.D
 Acq On : 18 Apr 2018 00:07
 Operator : SJ/JU
 Sample : PB108313TB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 04:06:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 18:35:38 2018
 Response via : Initial Calibration

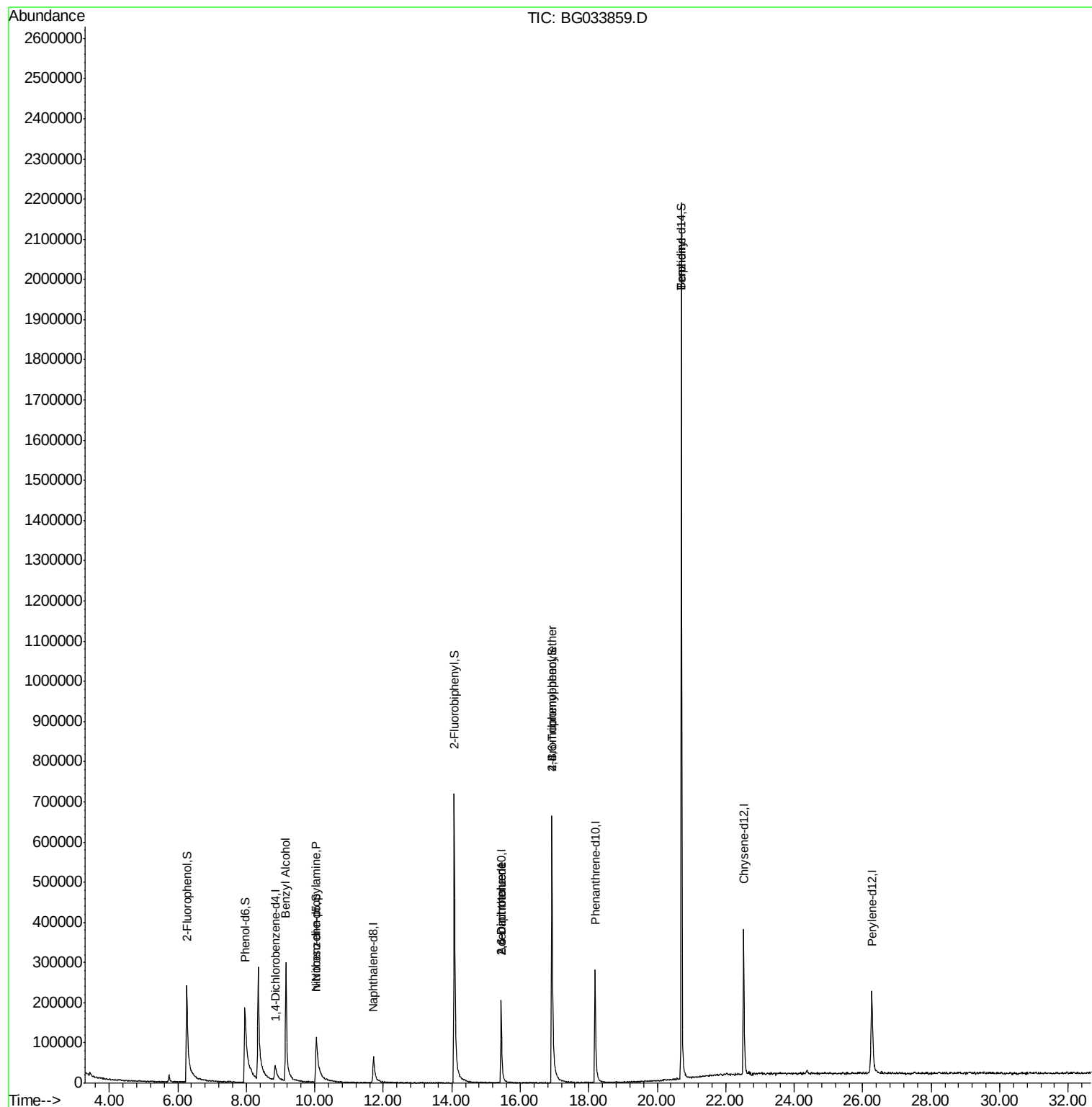
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.84	152	17734	20.00	ng	0.00
21) Naphthalene-d8	11.72	136	119892	20.00	ng	0.00
38) Acenaphthene-d10	15.44	164	97199	20.00	ng	0.00
63) Phenanthrene-d10	18.18	188	298084	20.00	ng	0.00
75) Chrysene-d12	22.52	240	297111	20.00	ng	-0.02
86) Perylene-d12	26.27	264	326426	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.26	112	200254	211.74	ng	0.00
7) Phenol-d6	7.96	99	278613	171.45	ng	0.00
23) Nitrobenzene-d5	10.04	82	206457	79.12	ng	0.00
41) 2,4,6-Tribromophenol	16.92	330	197867	136.11	ng	0.00
44) 2-Fluorobiphenyl	14.07	172	616053	91.50	ng	0.00
78) Terphenyl-d14	20.70	244	1276577	91.89	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.16	79	4010	3.134	ng	# 24
19) n-Nitroso-di-n-propylamine	10.04	70	24467	20.548	ng	# 76
50) 2,6-Dinitrotoluene	15.45	165	11576	6.693	ng	# 21
56) 2,4-Dinitrotoluene	15.45	165	11576	4.546	ng	# 18
66) 4-Bromophenyl-phenylether	16.92	248	14373	4.106	ng	# 1
76) Benzidine	20.70	184	21109	2.620	ng	# 88

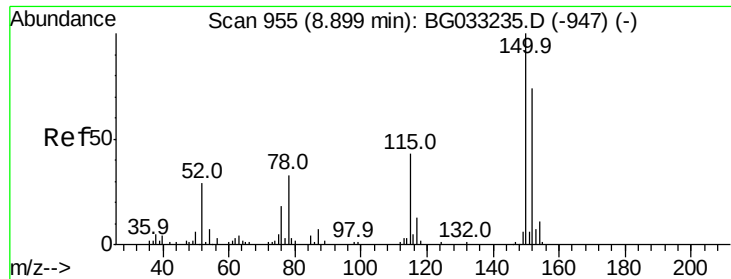
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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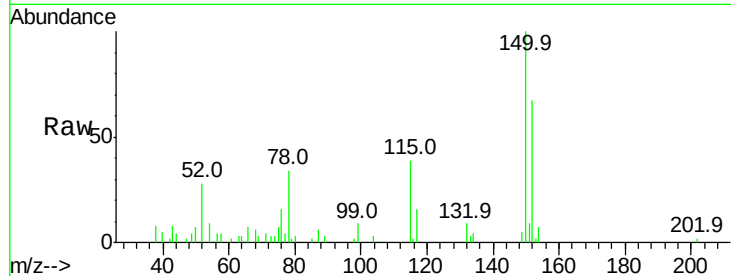


#1

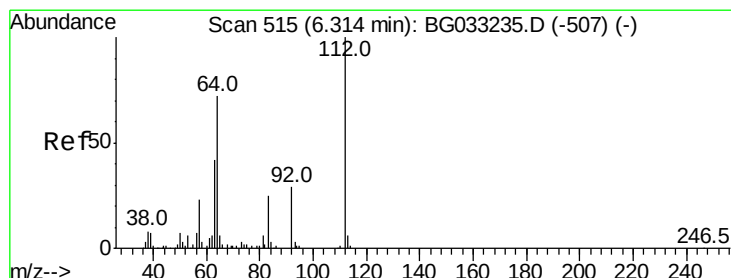
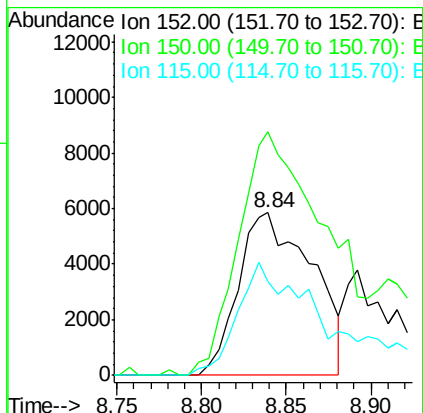
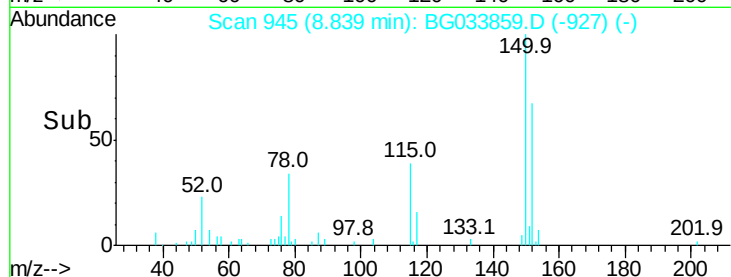
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.84 min Scan# 945
Delta R.T. 0.01 min
Lab File: BG033859.D
Acq: 18 Apr 2018 00:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 17734
Ion Ratio Lower Upper
152 100
150 149.9 126.6 189.8
115 57.7 53.0 79.4



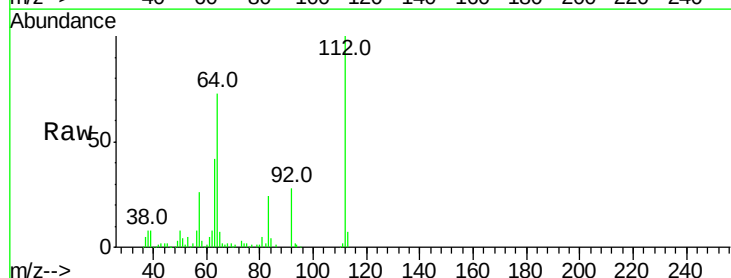
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



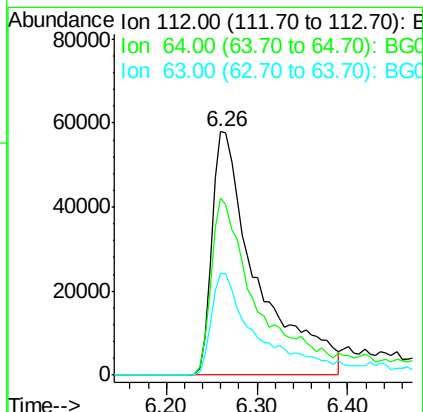
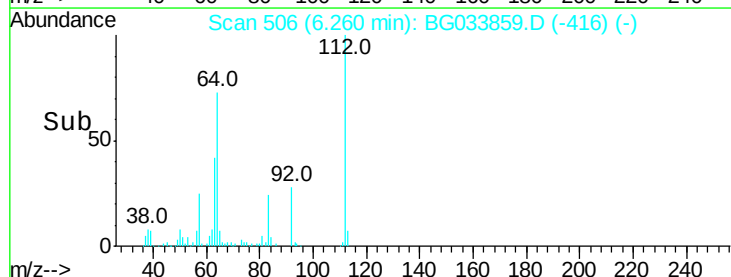
#5

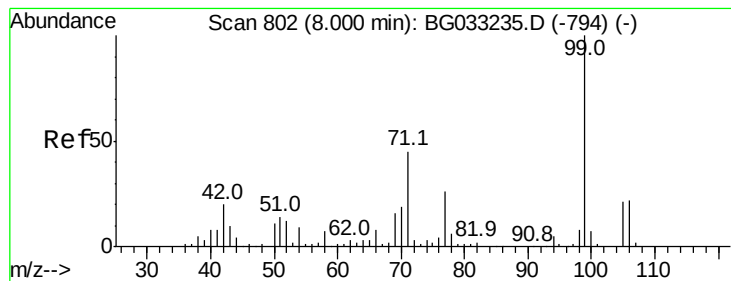
2-Fluorophenol
Concen: 211.740 ng
RT: 6.26 min Scan# 506
Delta R.T. -0.00 min
Lab File: BG033859.D
Acq: 18 Apr 2018 00:07

Tgt Ion:112 Resp: 200254
Ion Ratio Lower Upper
112 100
64 72.6 56.3 84.5
63 41.8 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: 171.454 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.00 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

Instrument :

BNA_G

ClientSampleId :

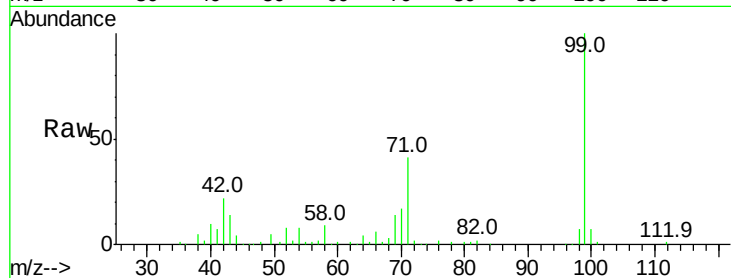
Tot Ion: 99 Resp: 278613

Ion Ratio Lower Upper

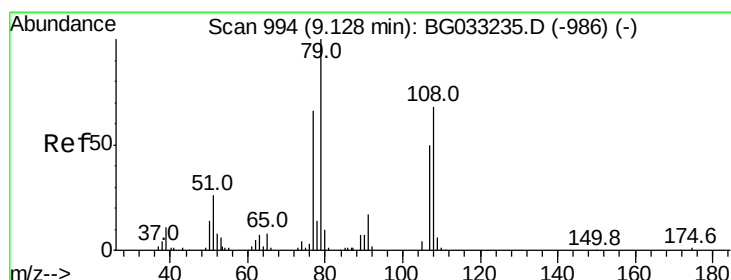
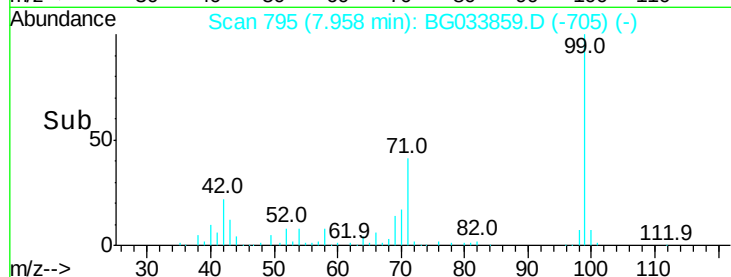
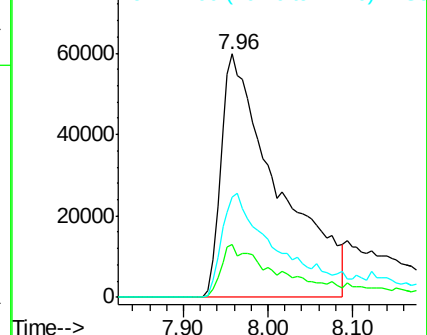
99 100

42 21.9 14.1 21.1#

71 41.0 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



#15

Benzyl Alcohol

Concen: 3.134 ng

RT: 9.16 min Scan# 999

Delta R.T. 0.07 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

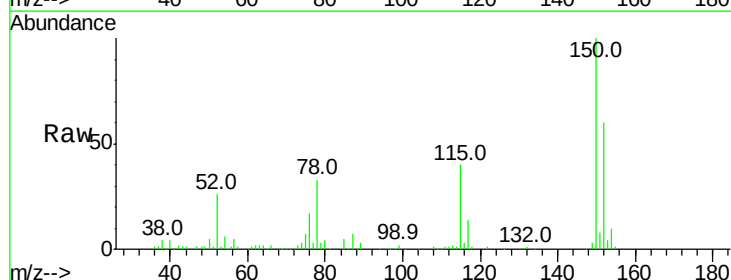
Tgt Ion: 79 Resp: 4010

Ion Ratio Lower Upper

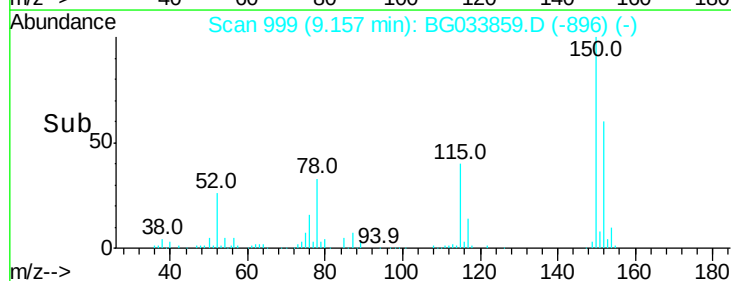
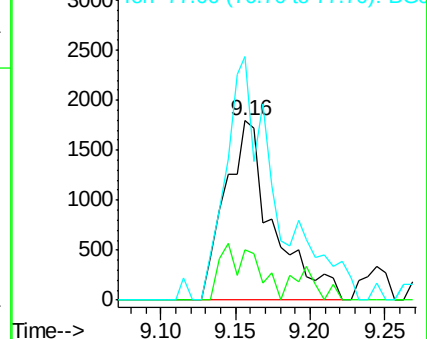
79 100

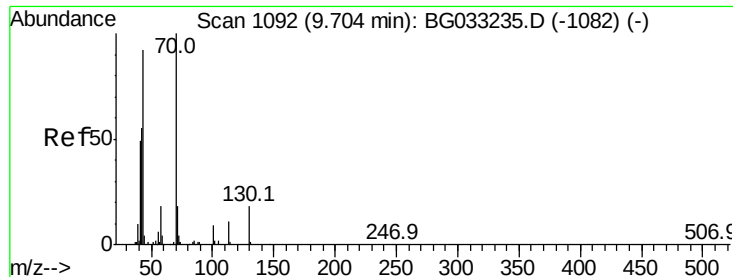
108 28.3 57.2 85.8#

77 135.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

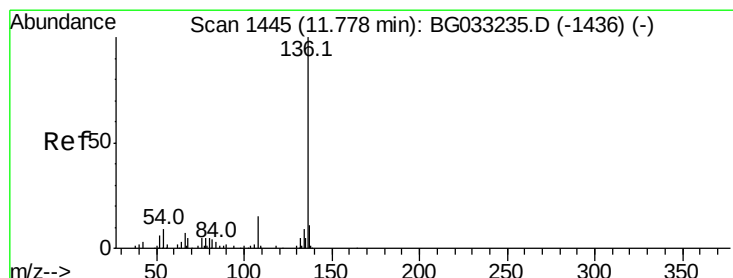
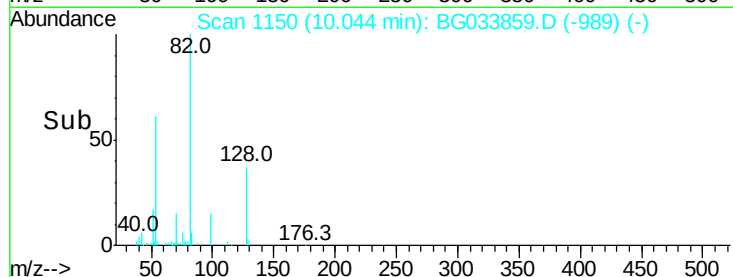
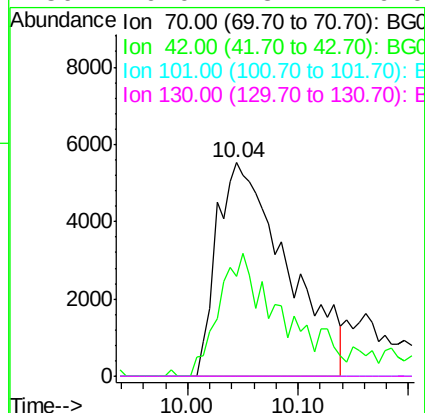
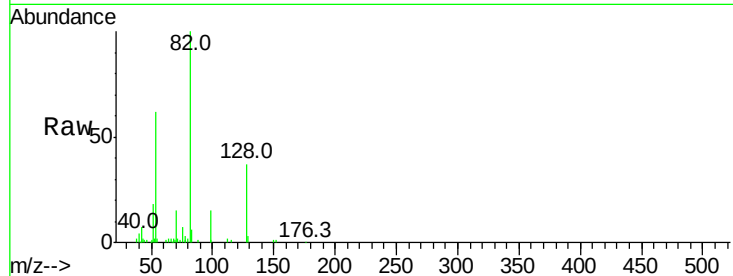




#19
n-Nitroso-di-n-propylamine
Concen: 20.548 ng
RT: 10.04 min Scan# 1150
Delta R.T. 0.41 min
Lab File: BG033859.D
Acq: 18 Apr 2018 00:07

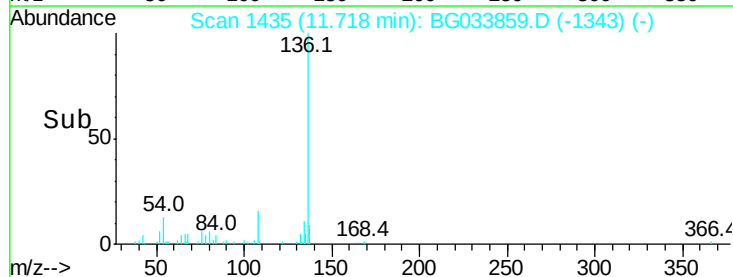
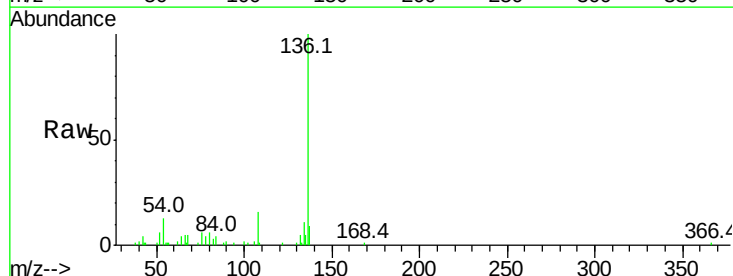
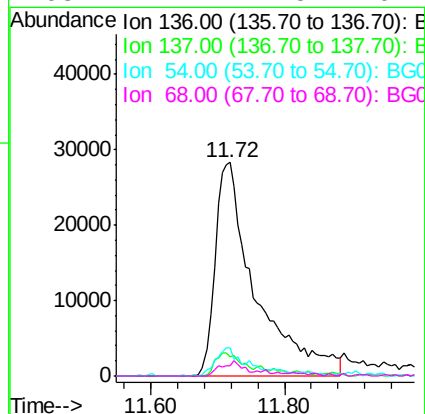
Instrument :
BNA_G
ClientSampleId :

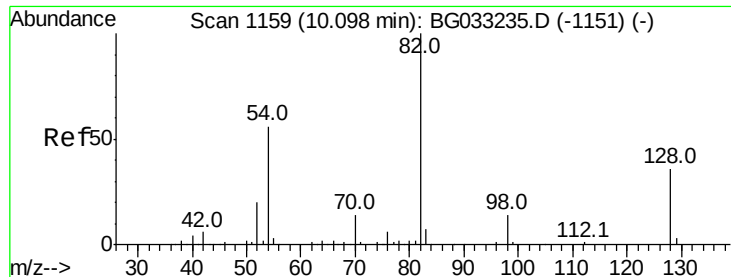
Tot Ion: 70 Resp: 24467
Ion Ratio Lower Upper
70 100
42 46.6 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BG033859.D
Acq: 18 Apr 2018 00:07

Tgt Ion: 136 Resp: 119892
Ion Ratio Lower Upper
136 100
137 8.9 9.2 13.8#
54 12.9 10.3 15.5
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 79.117 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

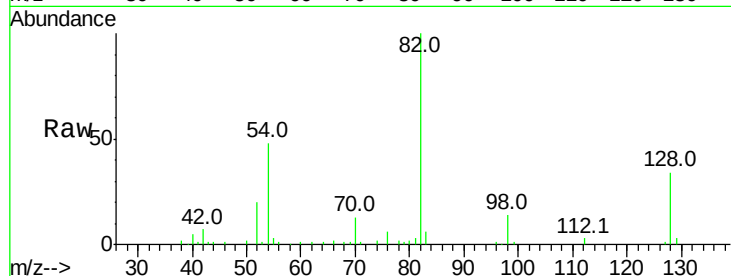
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 82 Resp: 206457

Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	48.3	43.1	64.7

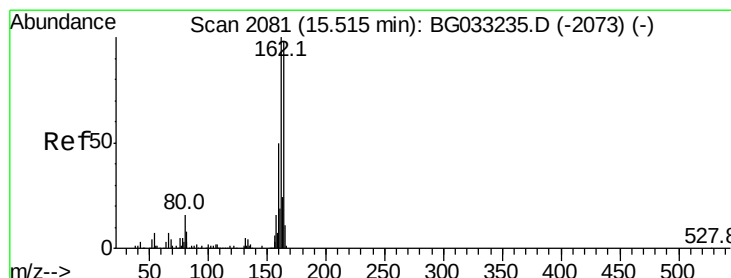
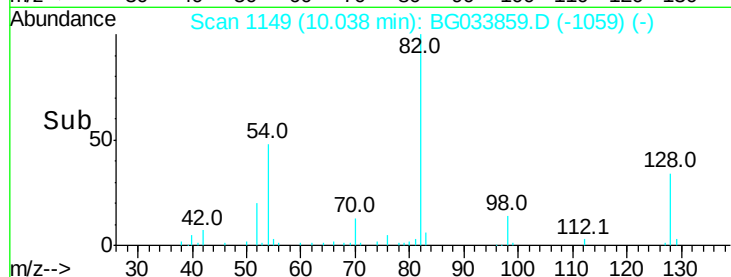
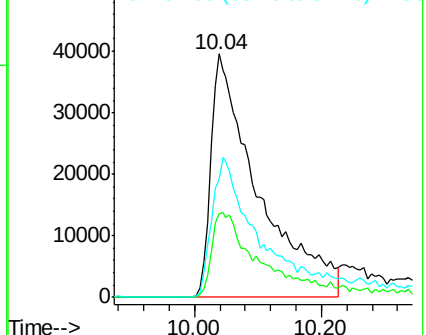


Abundance

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.44 min Scan# 2069

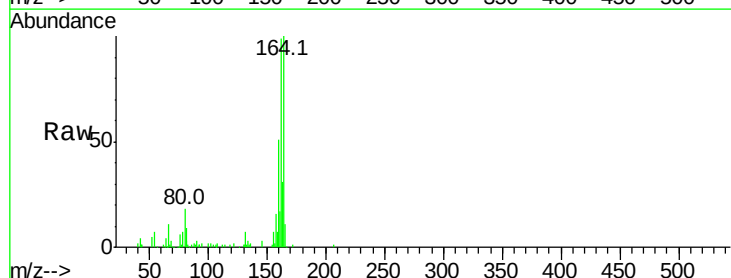
Delta R.T. -0.01 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

Tgt Ion: 164 Resp: 97199

Ion	Ratio	Lower	Upper
164	100		
162	99.2	78.8	118.2
160	51.3	35.4	53.0

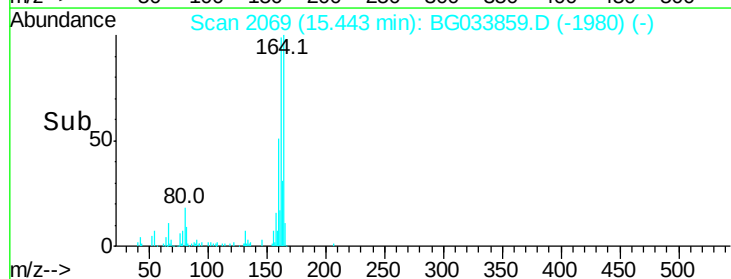
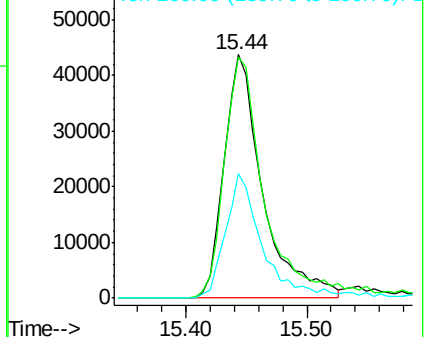


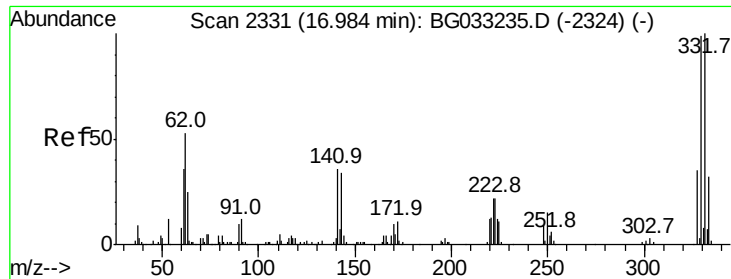
Abundance

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

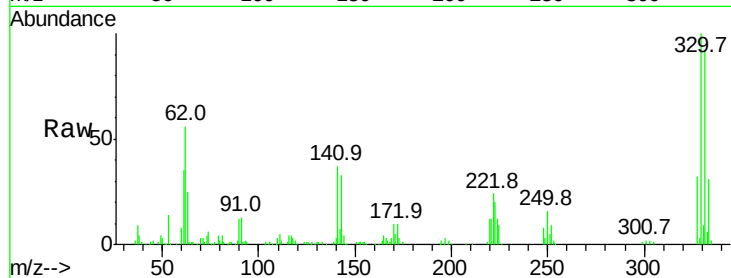




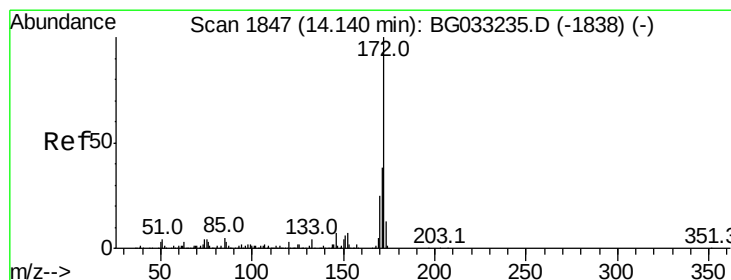
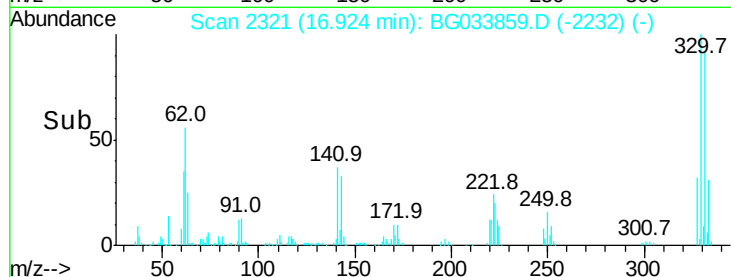
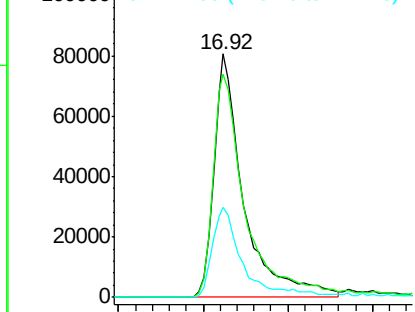
#41
 2,4,6-Tribromophenol
 Concen: 136.110 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG033859.D
 Acq: 18 Apr 2018 00:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 197867
 Ion Ratio Lower Upper
 330 100
 332 100.4 77.0 115.6
 141 37.4 25.2 37.8

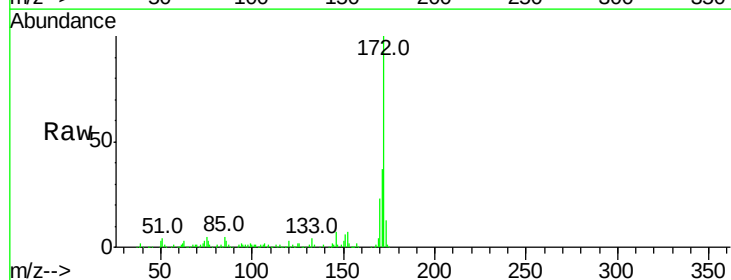


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

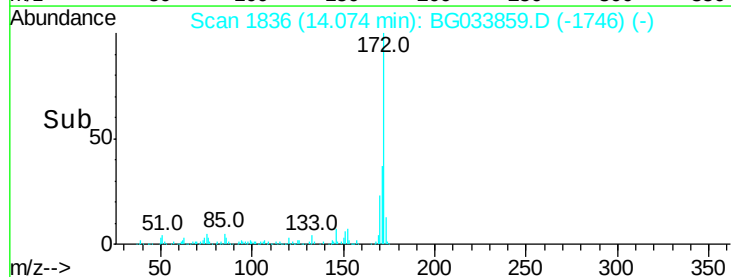
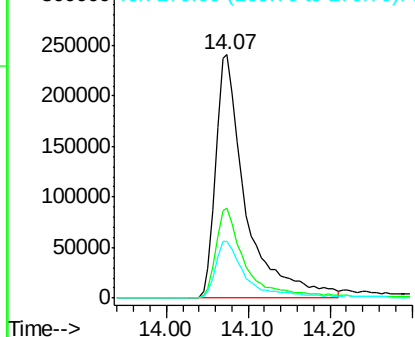


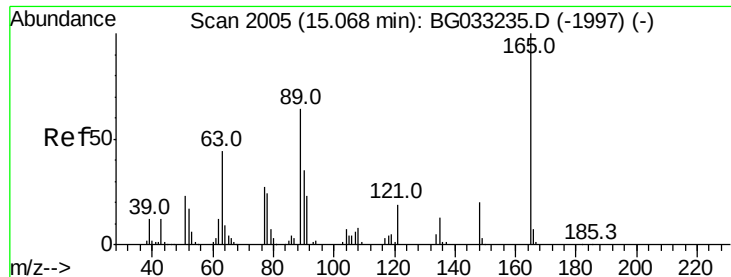
#44
 2-Fluorobiphenyl
 Concen: 91.498 ng
 RT: 14.07 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BG033859.D
 Acq: 18 Apr 2018 00:07

Tgt Ion:172 Resp: 616053
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 23.1 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

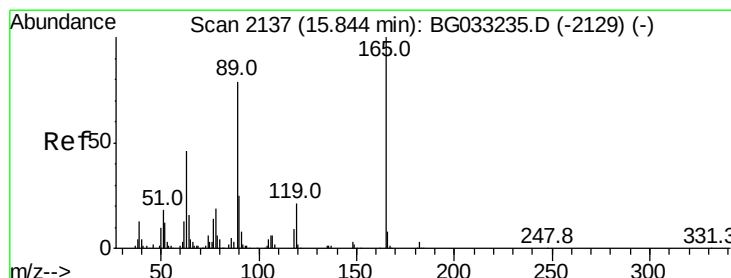
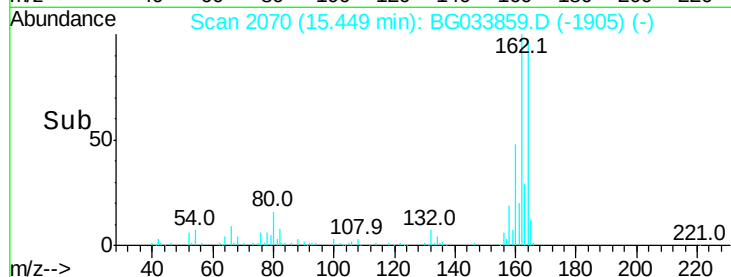
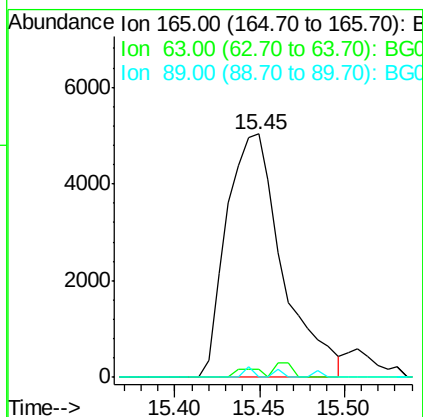
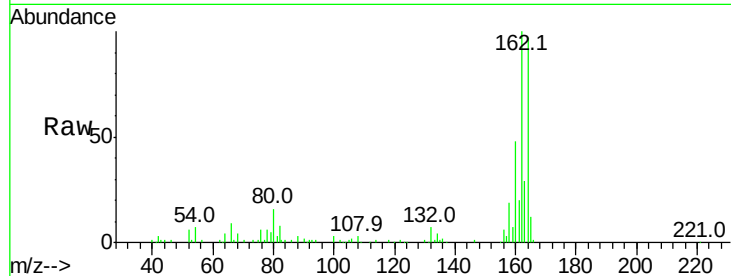




#50
 2,6-Dinitrotoluene
 Concen: 6.693 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. 0.44 min
 Lab File: BG033859.D
 Acq: 18 Apr 2018 00:07

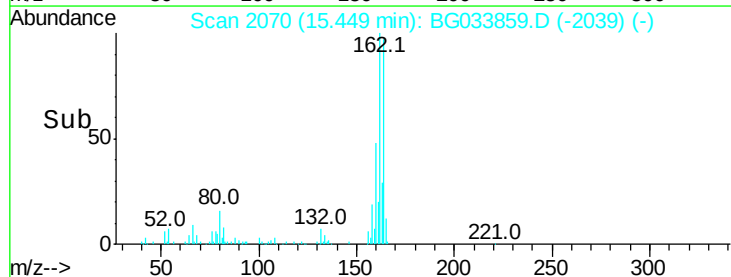
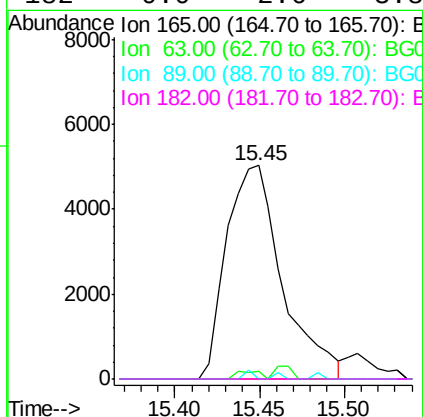
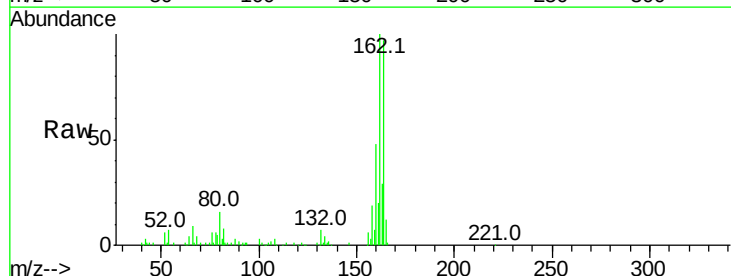
Instrument :
 BNA_G
 ClientSampleId :

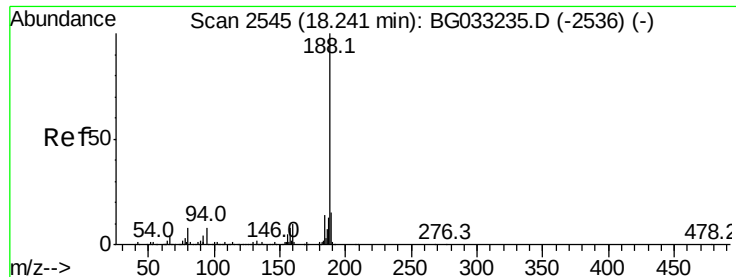
Tot Ion:165 Resp: 11576
 Ion Ratio Lower Upper
 165 100
 63 3.5 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.546 ng
 RT: 15.45 min Scan# 2070
 Delta R.T. -0.35 min
 Lab File: BG033859.D
 Acq: 18 Apr 2018 00:07

Tgt Ion:165 Resp: 11576
 Ion Ratio Lower Upper
 165 100
 63 3.5 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.18 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

Instrument :

BNA_G

ClientSampleId :

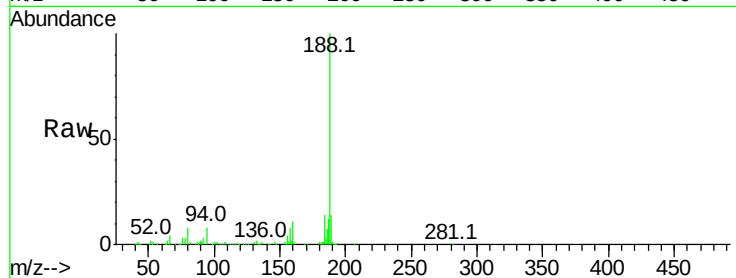
Tot Ion:188 Resp: 298084

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

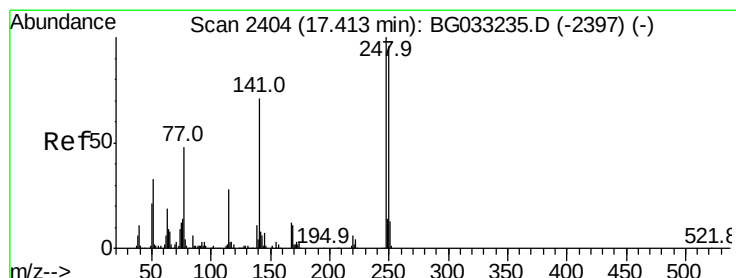
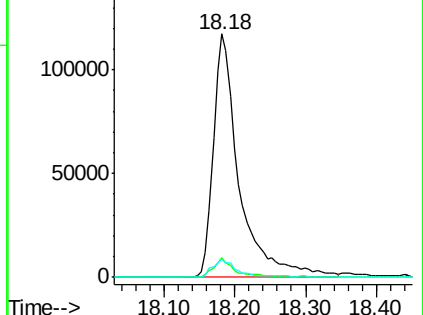
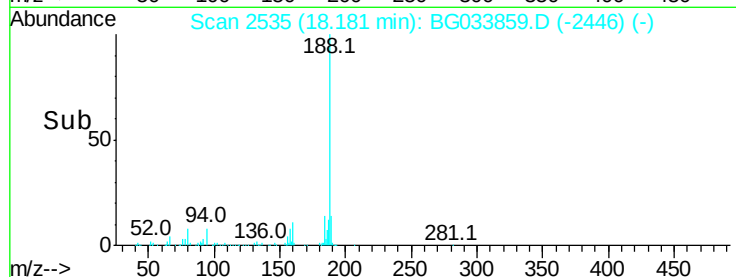
80 7.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.106 ng

RT: 16.92 min Scan# 2321

Delta R.T. -0.43 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

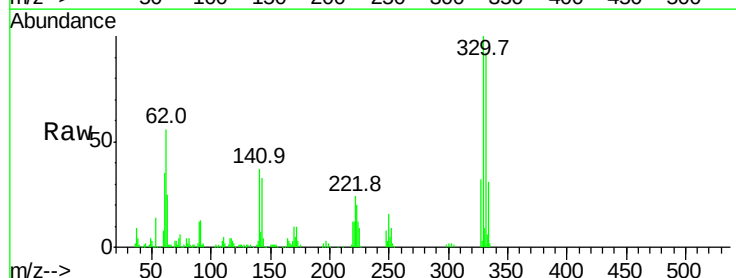
Tgt Ion:248 Resp: 14373

Ion Ratio Lower Upper

248 100

250 201.7 77.1 115.7#

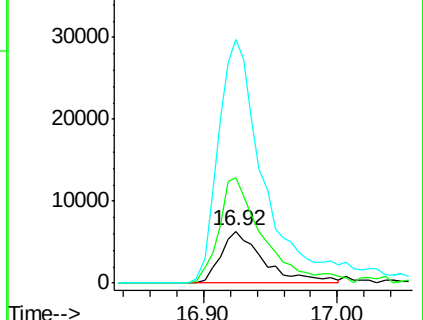
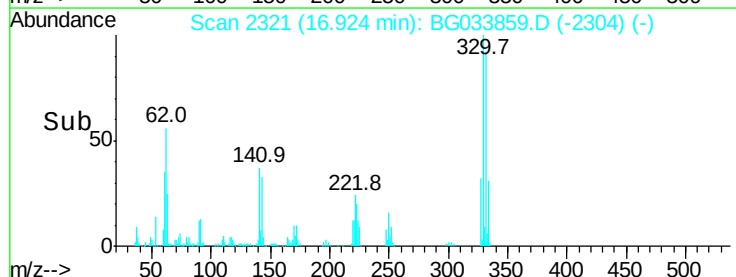
141 468.4 50.8 76.2#

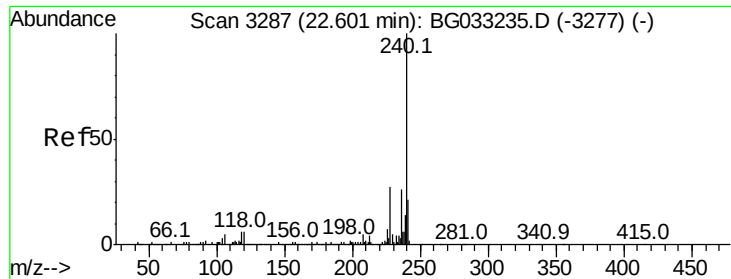


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.52 min Scan# 3274

Delta R.T. -0.02 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

Instrument :

BNA_G

ClientSampleId :

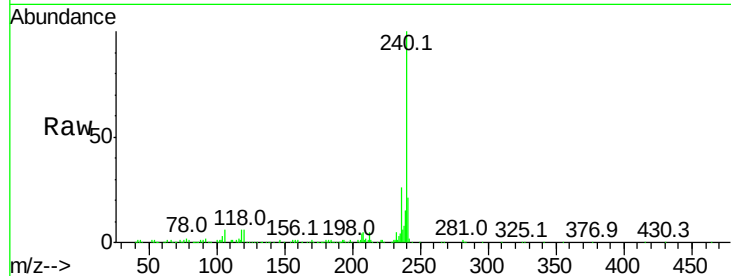
Tot Ion:240 Resp: 297111

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

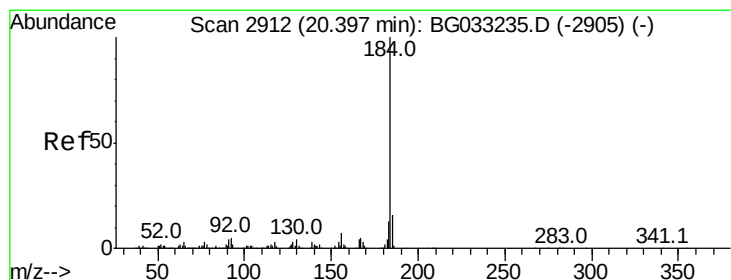
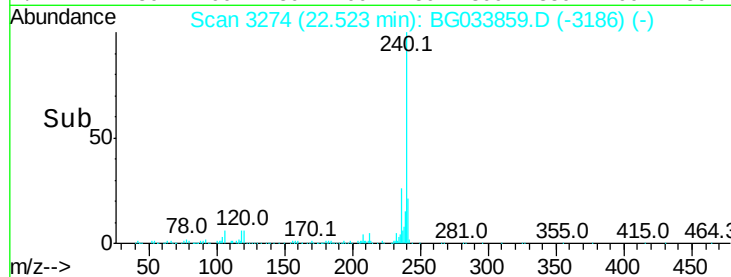
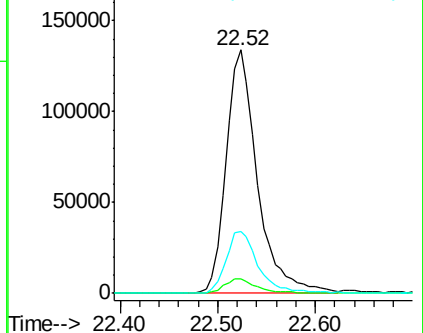
236 25.6 20.9 31.3



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



#76

Benzidine

Concen: 2.620 ng

RT: 20.70 min Scan# 2964

Delta R.T. 0.33 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

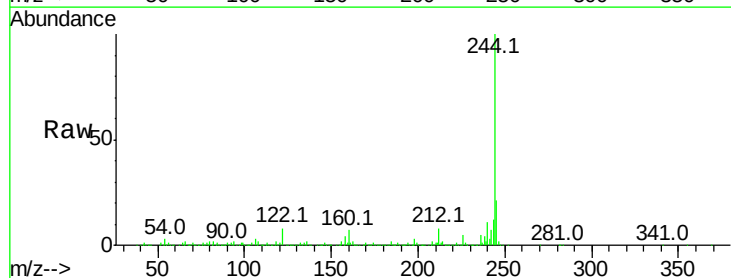
Tgt Ion:184 Resp: 21109

Ion Ratio Lower Upper

184 100

185 20.0 11.1 16.7#

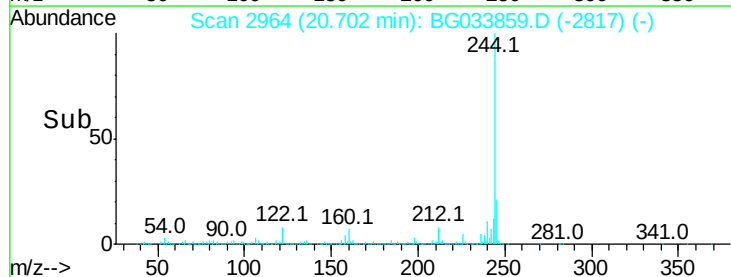
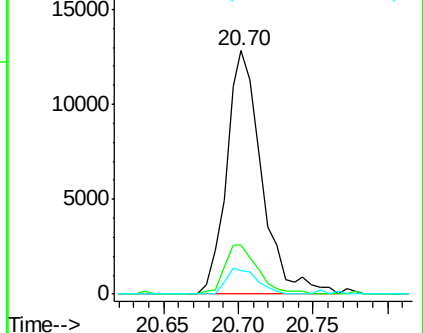
183 9.5 10.6 16.0#

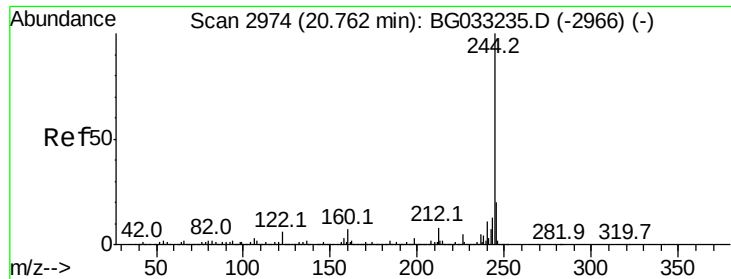


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.888 ng

RT: 20.70 min Scan# 2964

Delta R.T. -0.01 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

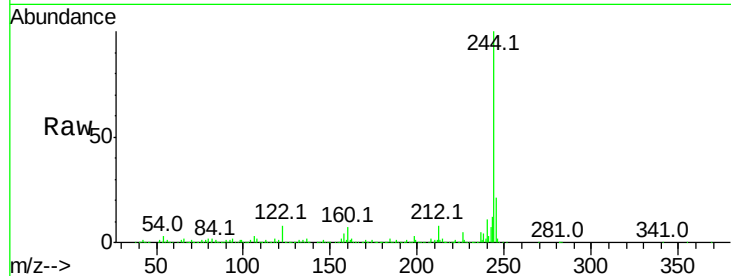
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1276577

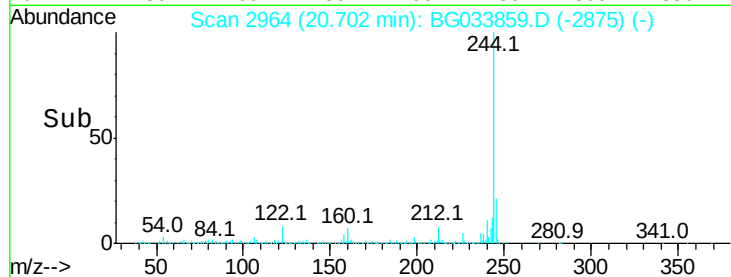
Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	7.7	7.0	10.4



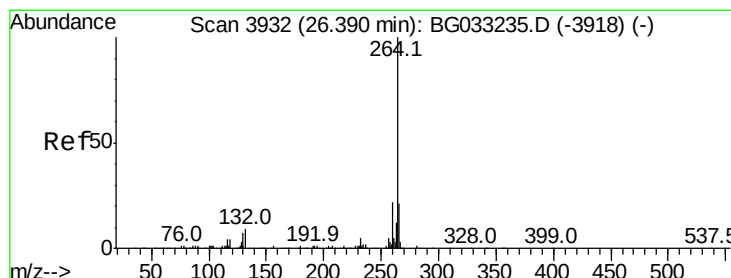
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.27 min Scan# 3911

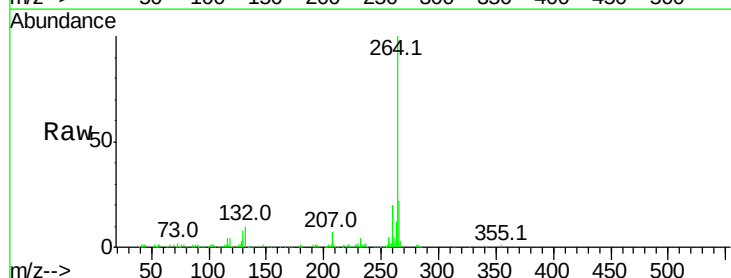
Delta R.T. -0.04 min

Lab File: BG033859.D

Acq: 18 Apr 2018 00:07

Tgt Ion:264 Resp: 326426

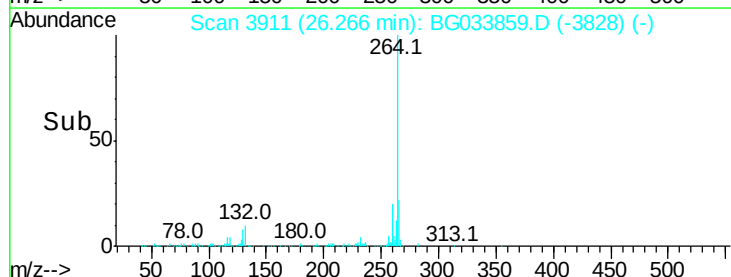
Ion	Ratio	Lower	Upper
264	100		
260	20.4	17.4	26.0
265	22.3	17.7	26.5



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



Time-->