

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041318\
 Data File : BG033801.D
 Acq On : 13 Apr 2018 18:05
 Operator : SJ/JU
 Sample : J2163-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 14 00:50:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

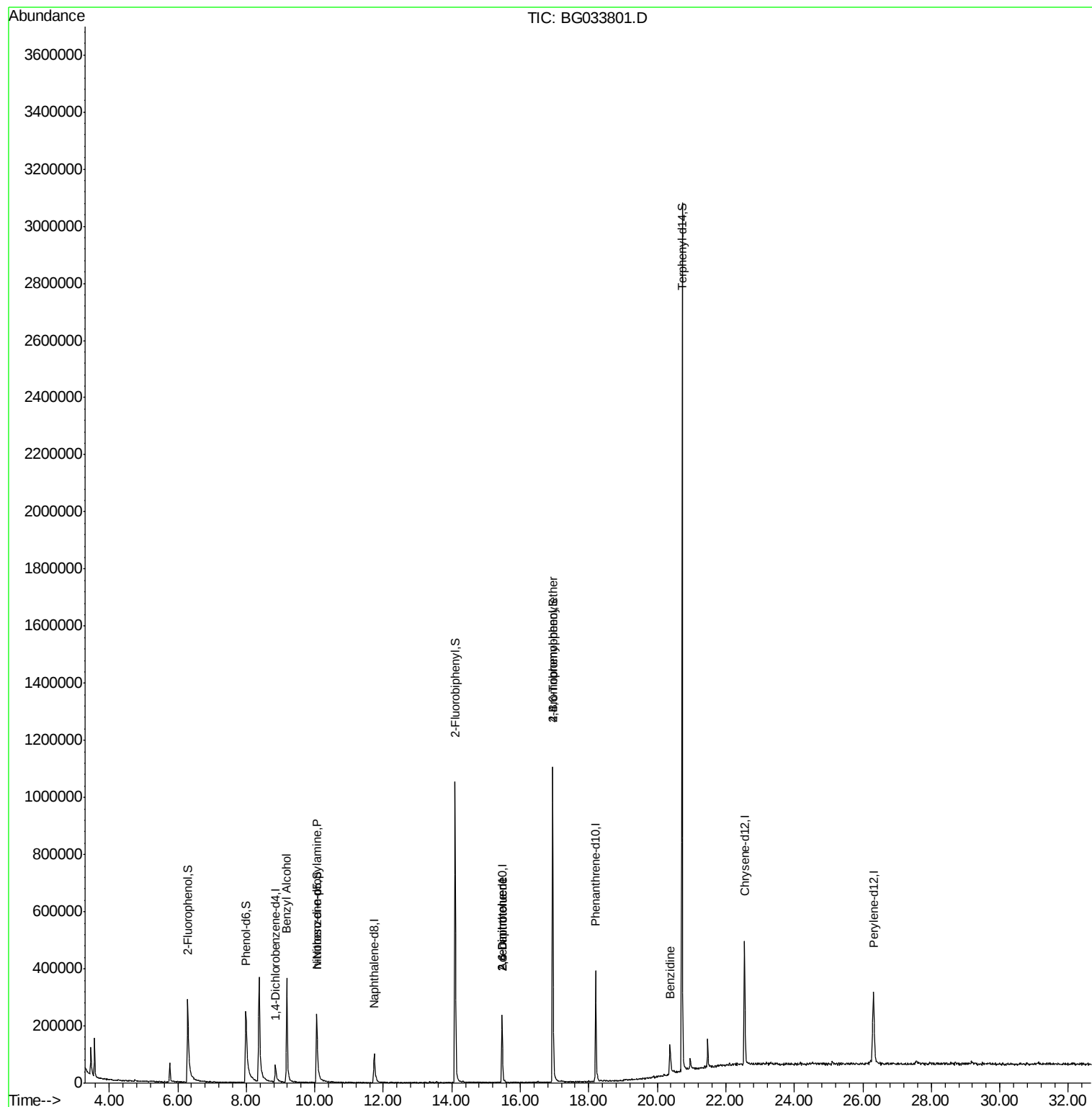
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.85	152	25624	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	117652	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	93814	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	292043	20.00	ng	0.00
75) Chrysene-d12	22.55	240	318811	20.00	ng	0.00
86) Perylene-d12	26.31	264	347542	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	221910	162.39	ng	0.01
7) Phenol-d6	7.99	99	306028	130.34	ng	0.02
23) Nitrobenzene-d5	10.06	82	245767	95.97	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	234604	167.20	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	647976	99.71	ng	0.00
78) Terphenyl-d14	20.73	244	1567413	105.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	4361	2.359	ng	# 34
19) n-Nitroso-di-n-propylamine	10.05	70	29697	17.261	ng	# 74
50) 2,6-Dinitrotoluene	15.47	165	11997	7.186	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	11997	4.881	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	18693	5.450	ng	# 1
76) Benzidine	20.37	184	108998	12.607	ng	98

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

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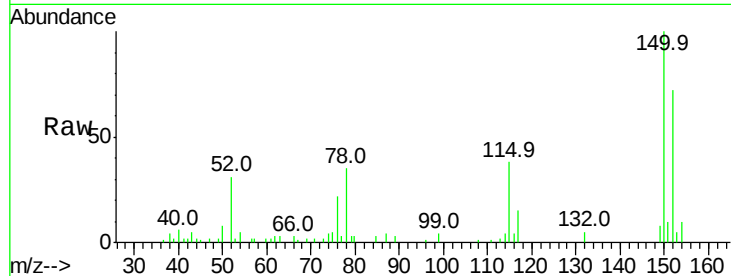


#1

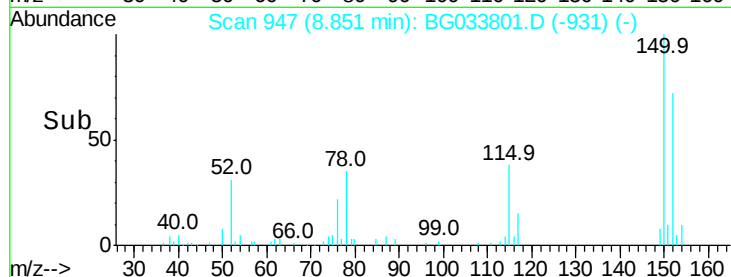
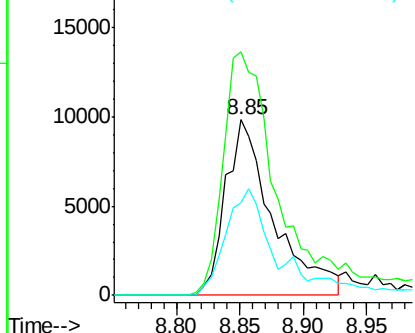
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.85 min Scan# 947
Delta R.T. -0.01 min
Lab File: BG033801.D
Acq: 13 Apr 2018 18:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25624
Ion Ratio Lower Upper
152 100
150 139.0 126.6 189.8
115 53.1 53.0 79.4



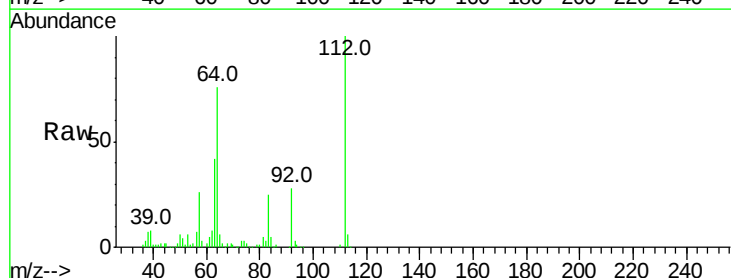
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



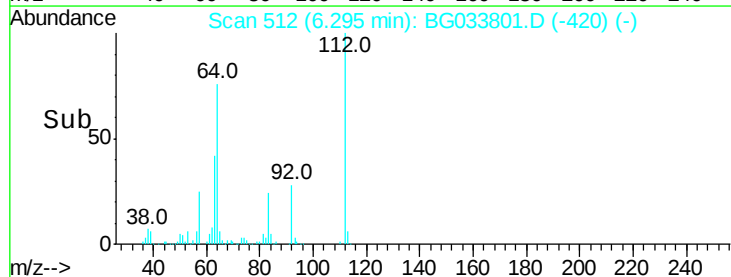
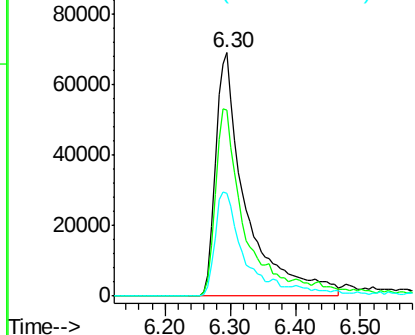
#5

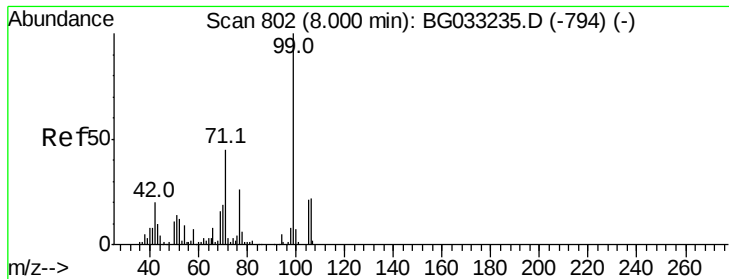
2-Fluorophenol
Concen: 162.390 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.01 min
Lab File: BG033801.D
Acq: 13 Apr 2018 18:05

Tgt Ion:112 Resp: 221910
Ion Ratio Lower Upper
112 100
64 76.5 56.3 84.5
63 42.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.337 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.02 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

Instrument :

BNA_G

ClientSampleId :

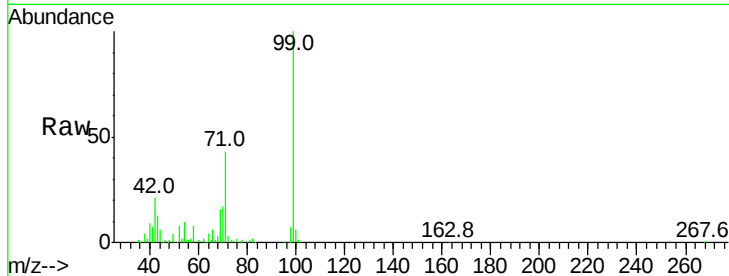
Tot Ion: 99 Resp: 306028

Ion Ratio Lower Upper

99 100

42 21.0 14.1 21.1

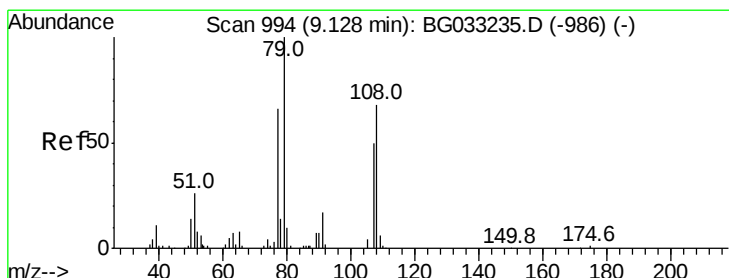
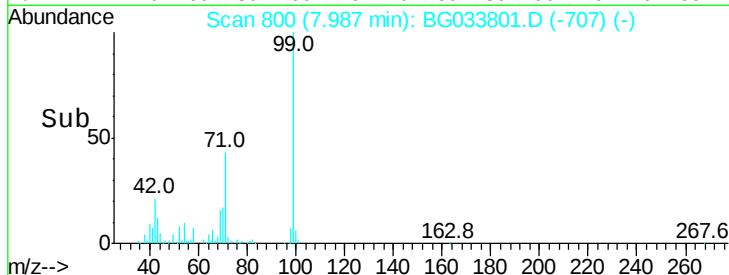
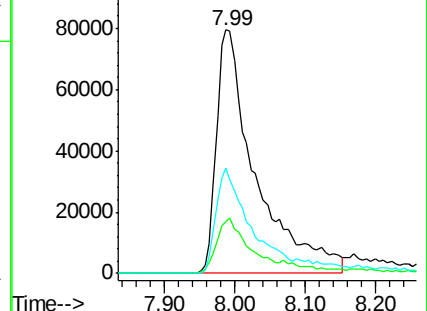
71 43.1 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.359 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.09 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

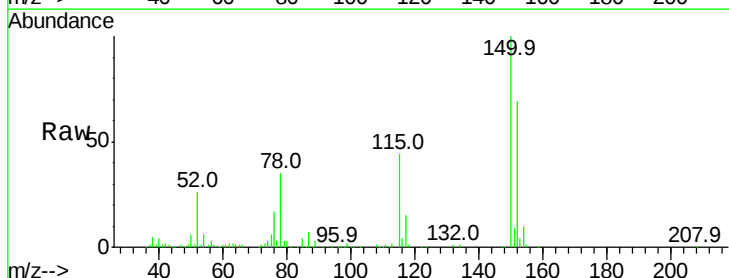
Tgt Ion: 79 Resp: 4361

Ion Ratio Lower Upper

79 100

108 21.2 57.2 85.8#

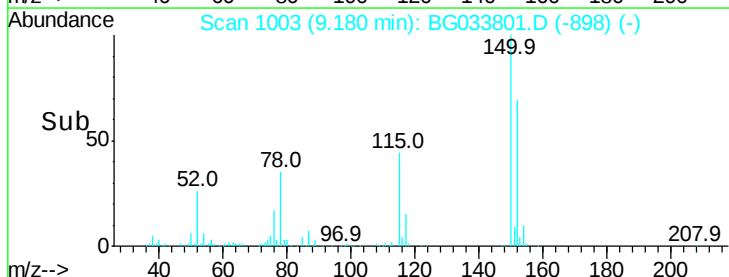
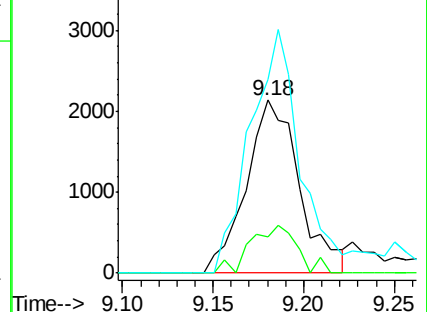
77 112.1 46.1 69.1#

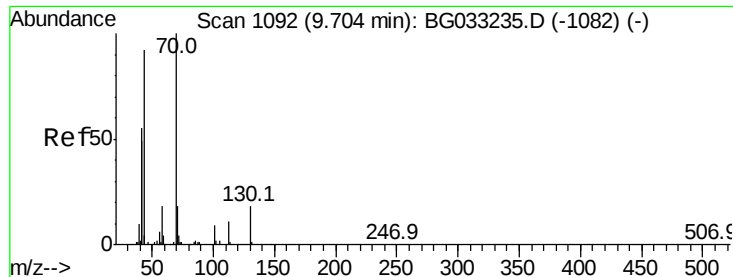


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

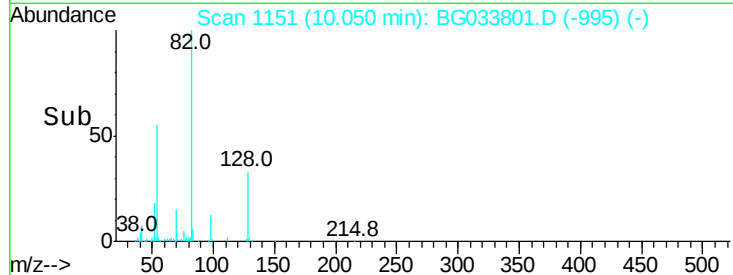
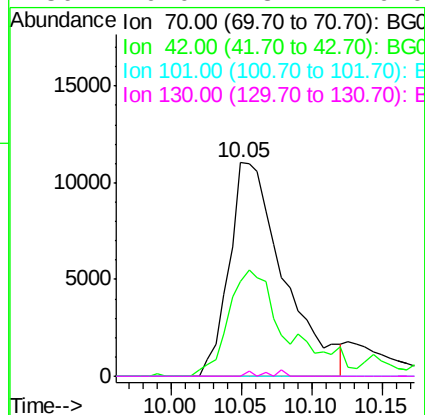
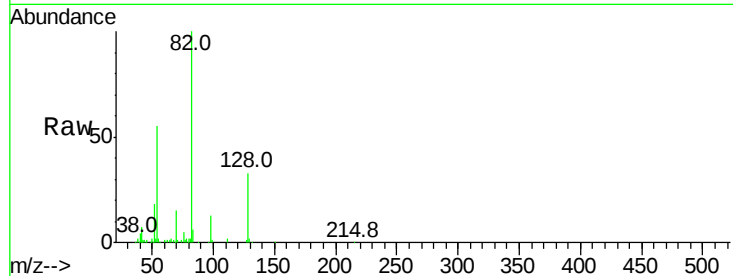




#19
n-Nitroso-di-n-propylamine
Concen: 17.261 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.39 min
Lab File: BG033801.D
Acq: 13 Apr 2018 18:05

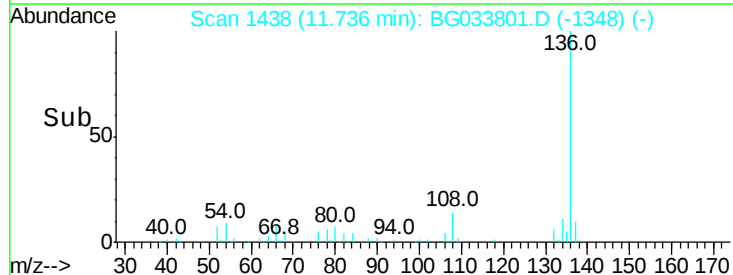
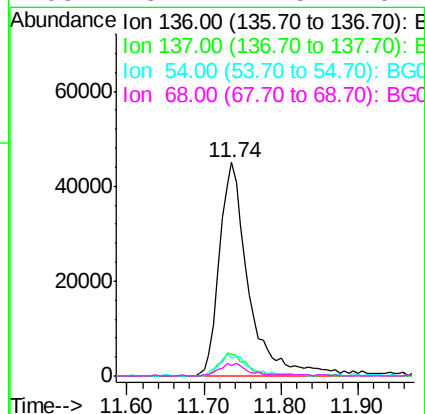
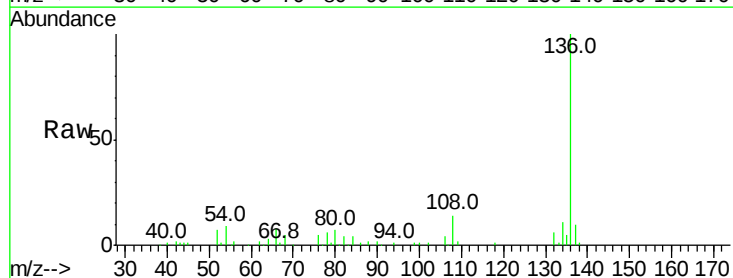
Instrument :
BNA_G
ClientSampleId :

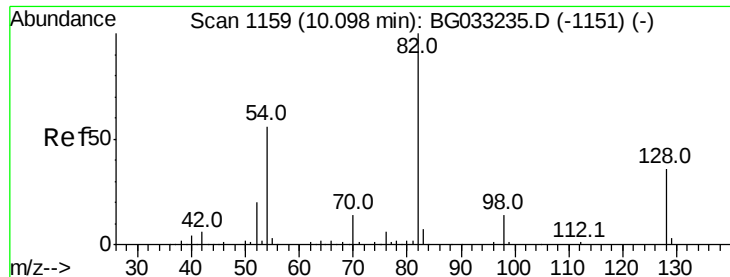
Tot Ion: 70 Resp: 29697
Ion Ratio Lower Upper
70 100
42 44.3 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BG033801.D
Acq: 13 Apr 2018 18:05

Tgt Ion: 136 Resp: 117652
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 8.6 10.3 15.5#
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 95.974 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

Instrument :

BNA_G

ClientSampleId :

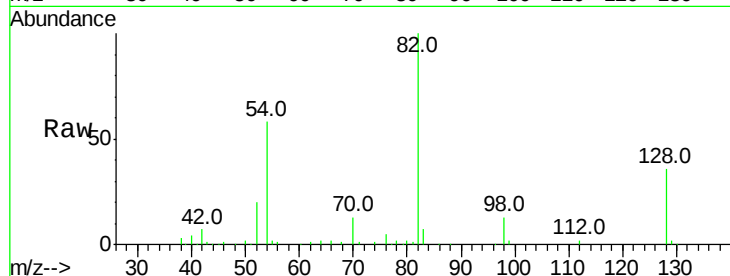
Tot Ion: 82 Resp: 245767

Ion Ratio Lower Upper

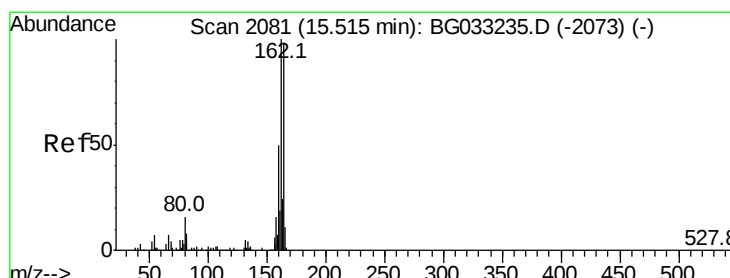
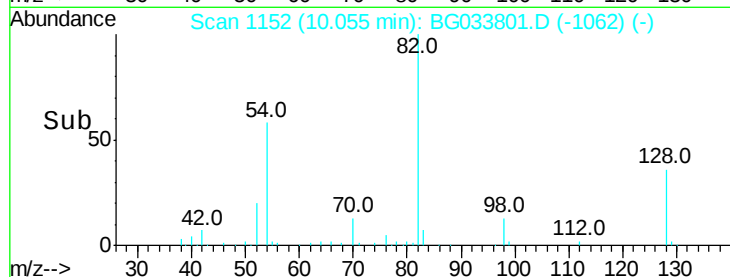
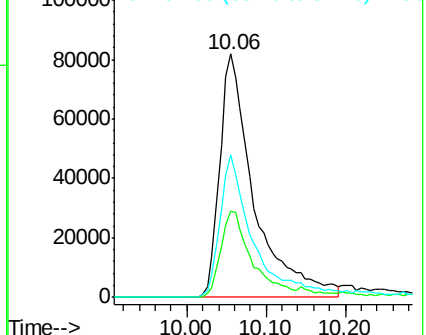
82 100

128 35.6 29.7 44.5

54 58.4 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: 15.47 min Scan# 2073

Delta R.T. -0.01 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

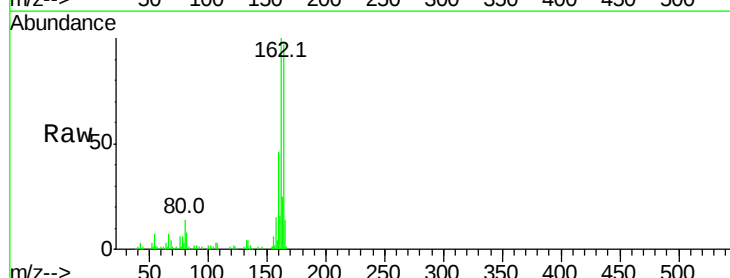
Tgt Ion:164 Resp: 93814

Ion Ratio Lower Upper

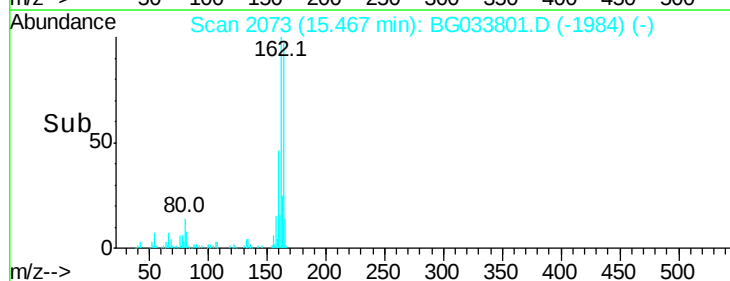
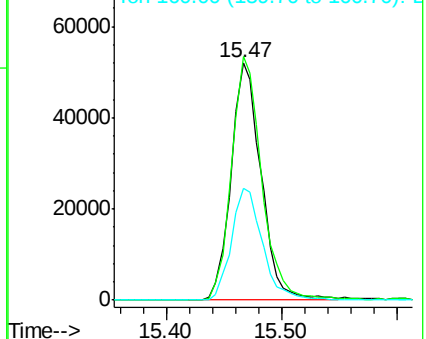
164 100

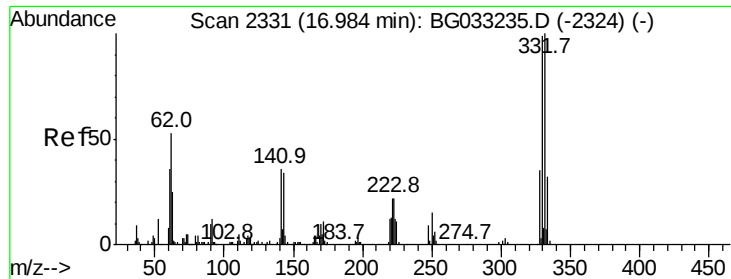
162 102.6 78.8 118.2

160 47.3 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

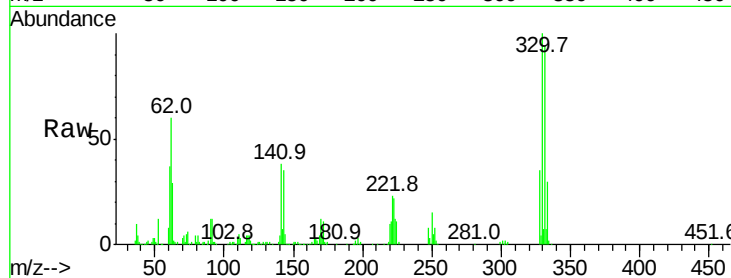




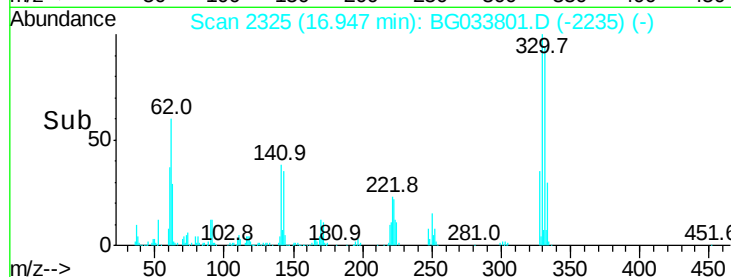
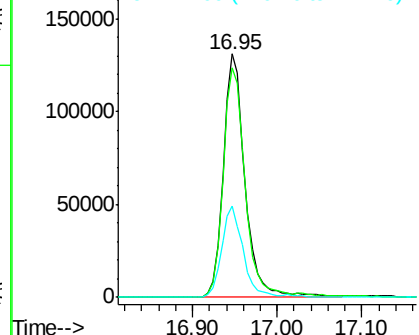
#41
 2,4,6-Tribromophenol
 Concen: 167.204 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033801.D
 Acq: 13 Apr 2018 18:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	37.7	25.2	37.8

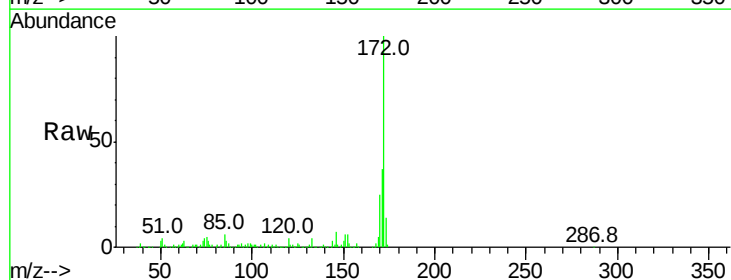


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

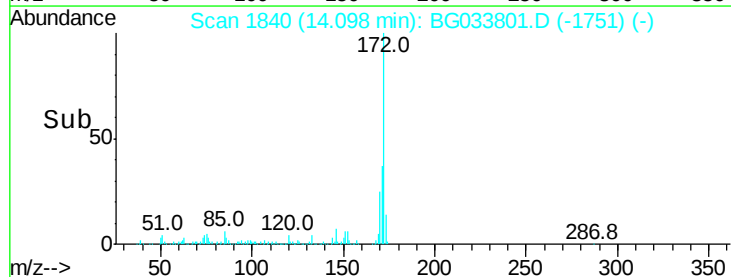
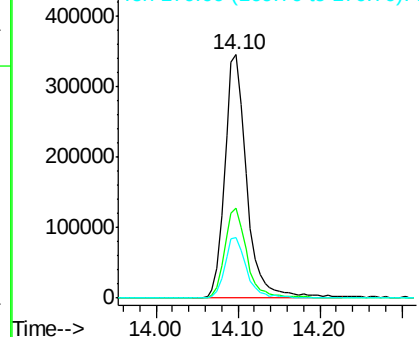


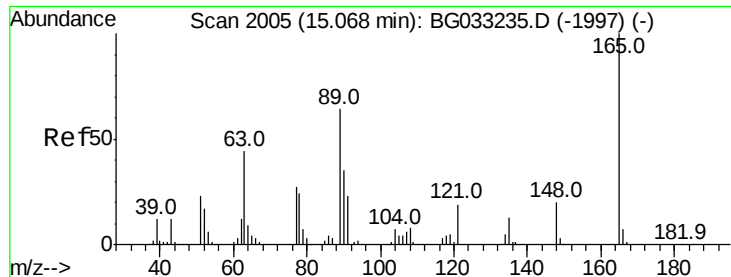
#44
 2-Fluorobiphenyl
 Concen: 99.712 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033801.D
 Acq: 13 Apr 2018 18:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	25.0	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

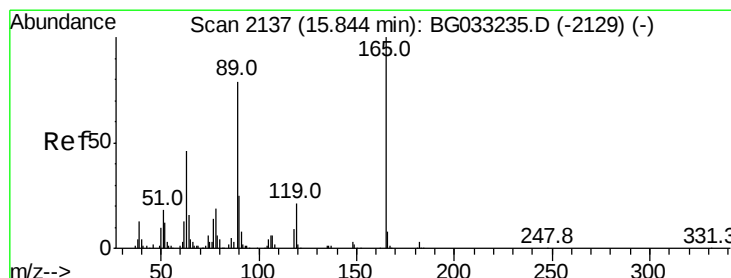
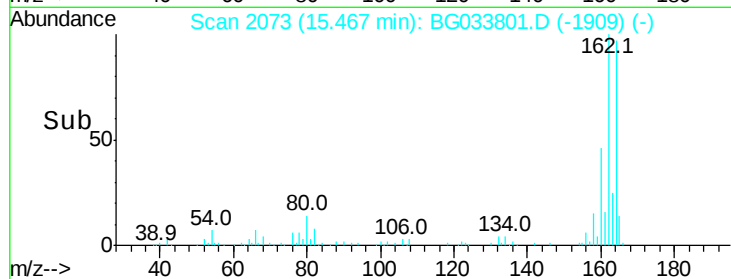
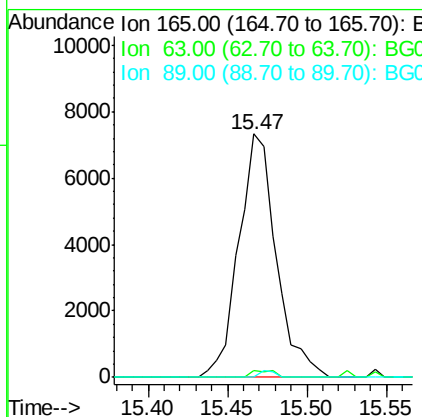
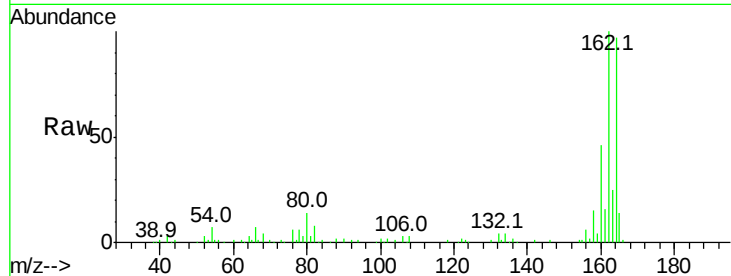




#50
 2,6-Dinitrotoluene
 Concen: 7.186 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.43 min
 Lab File: BG033801.D
 Acq: 13 Apr 2018 18:05

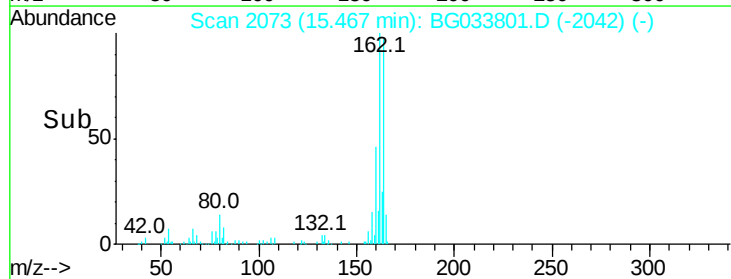
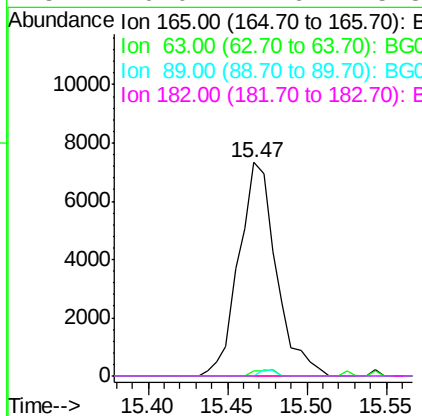
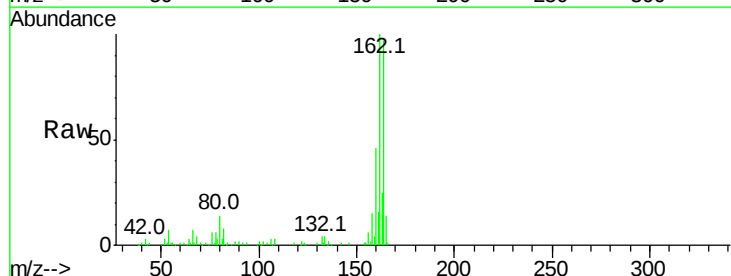
Instrument :
 BNA_G
 ClientSampleId :

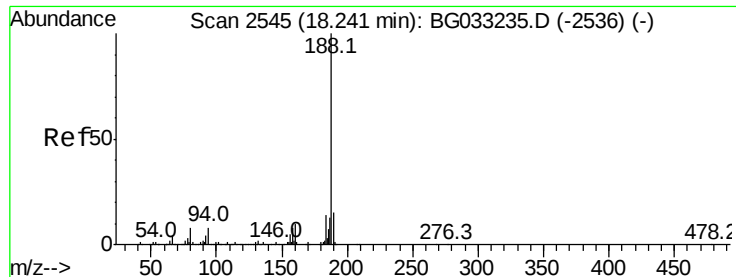
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.881 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.35 min
 Lab File: BG033801.D
 Acq: 13 Apr 2018 18:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	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: 18.20 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

Instrument :

BNA_G

ClientSampleId :

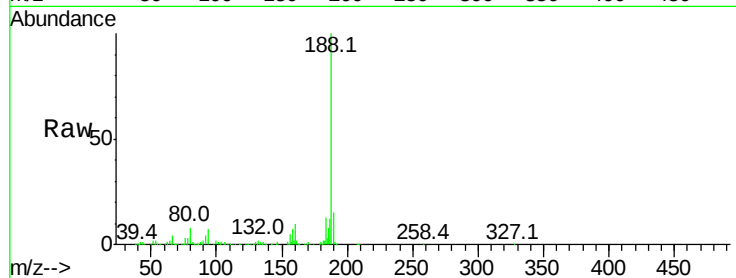
Tot Ion:188 Resp: 292043

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

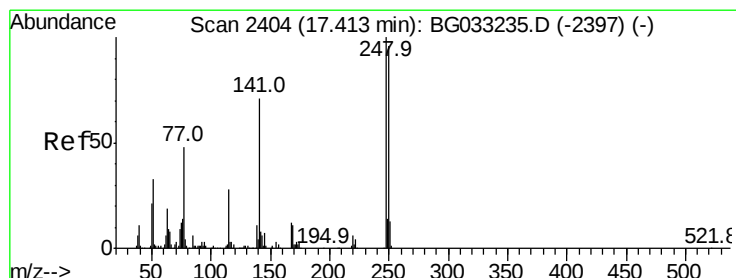
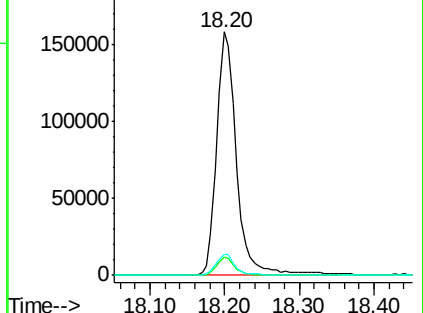
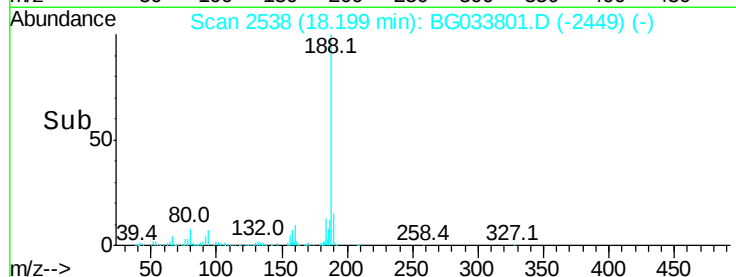
80 8.4 7.7 11.5



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: 5.450 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

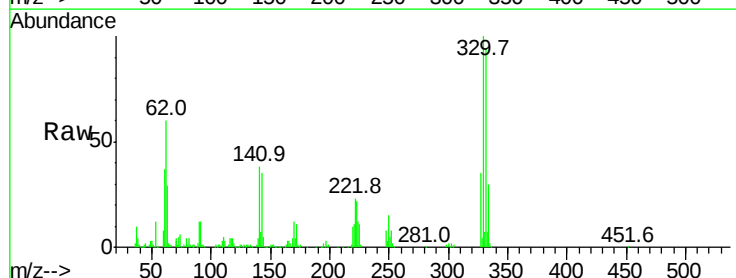
Tgt Ion:248 Resp: 18693

Ion Ratio Lower Upper

248 100

250 195.7 77.1 115.7#

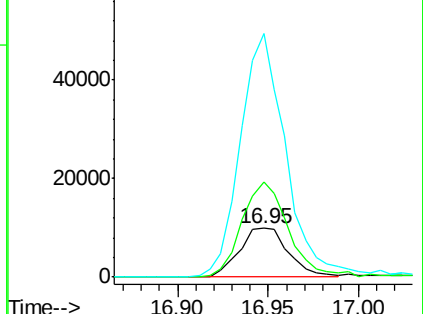
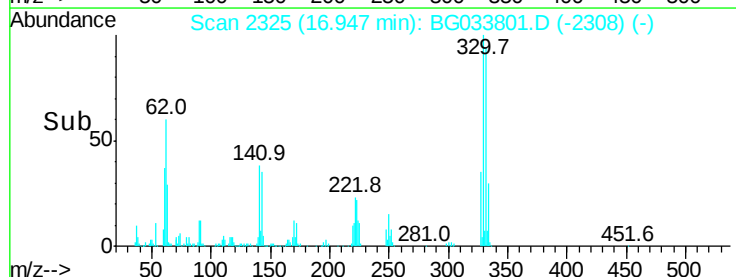
141 499.9 50.8 76.2#

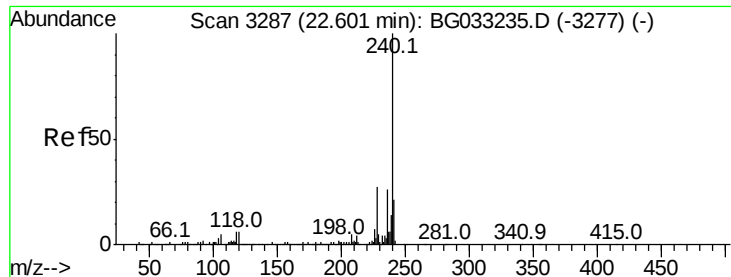


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

Instrument :

BNA_G

ClientSampled :

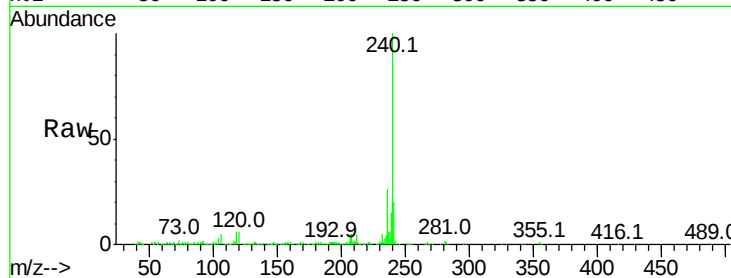
Tot Ion:240 Resp: 318811

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

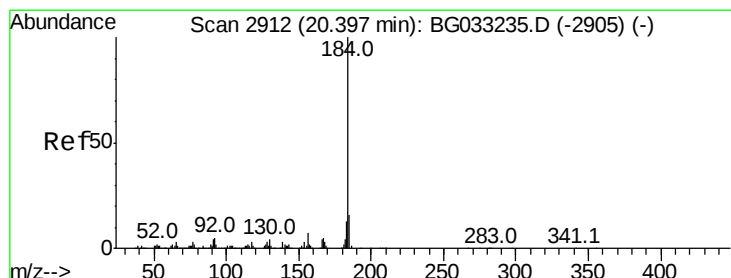
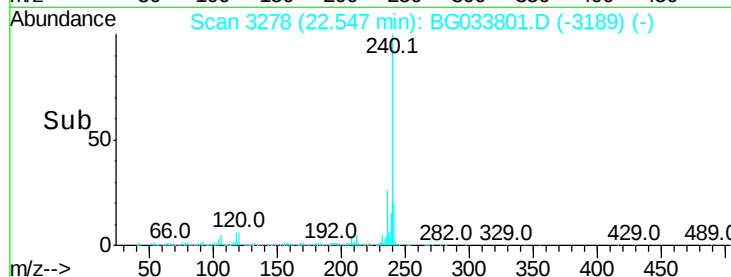
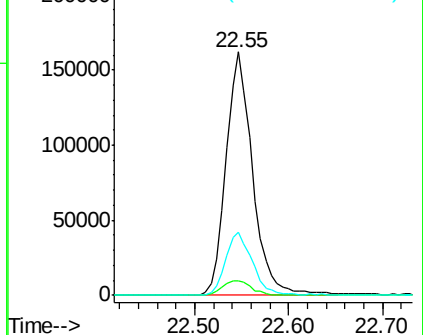
236 25.8 20.9 31.3



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: 12.607 ng

RT: 20.37 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

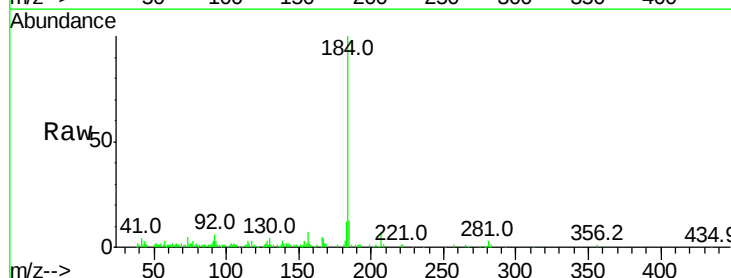
Tgt Ion:184 Resp: 108998

Ion Ratio Lower Upper

184 100

185 13.3 11.1 16.7

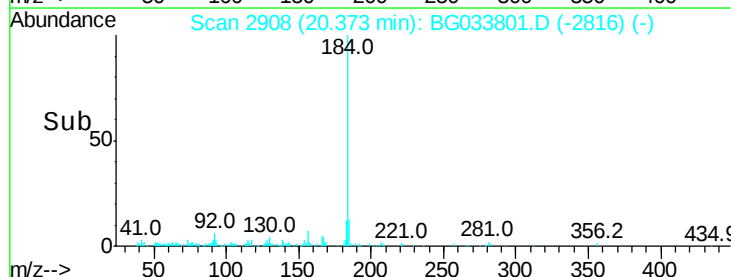
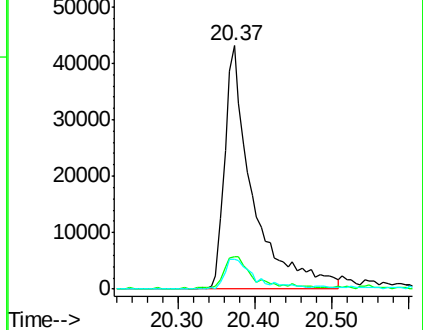
183 12.2 10.6 16.0

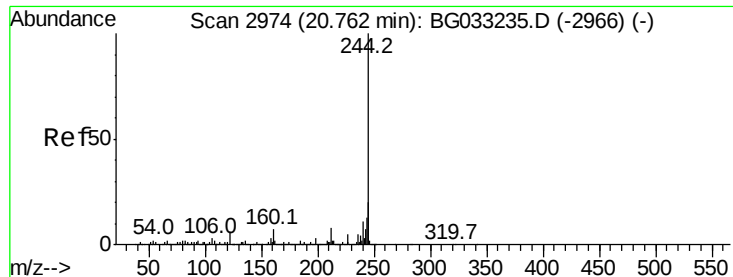


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.143 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

Instrument :

BNA_G

ClientSampled :

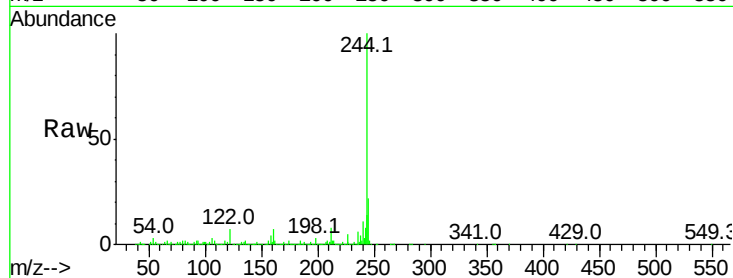
Tot Ion:244 Resp: 1567413

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

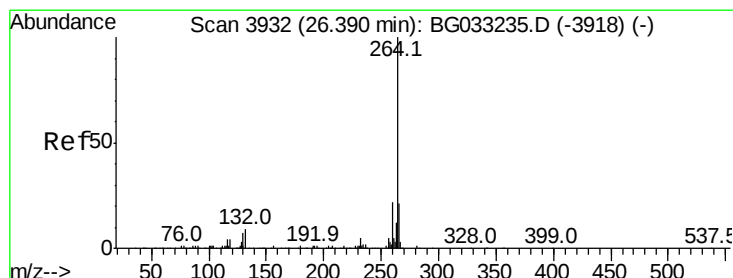
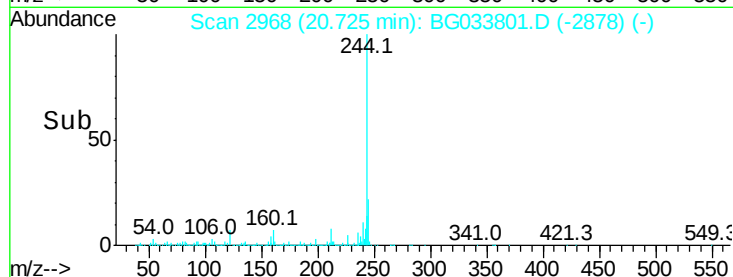
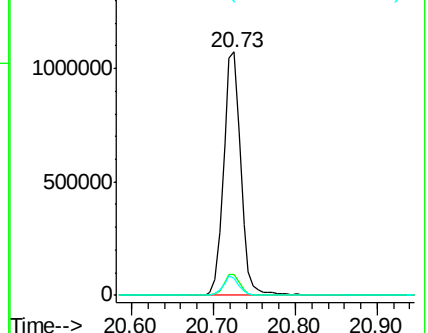
122 7.1 7.0 10.4



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: 20.000 ng

RT: 26.31 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BG033801.D

Acq: 13 Apr 2018 18:05

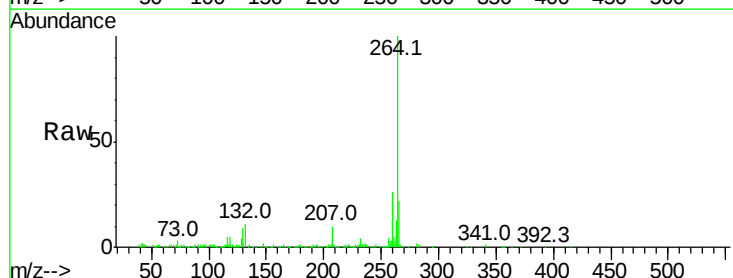
Tgt Ion:264 Resp: 347542

Ion Ratio Lower Upper

264 100

260 25.5 17.4 26.0

265 22.4 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

