

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033645.D
 Acq On : 7 Apr 2018 1:43
 Operator : SJ/JU
 Sample : PB107995BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 07 03:25:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

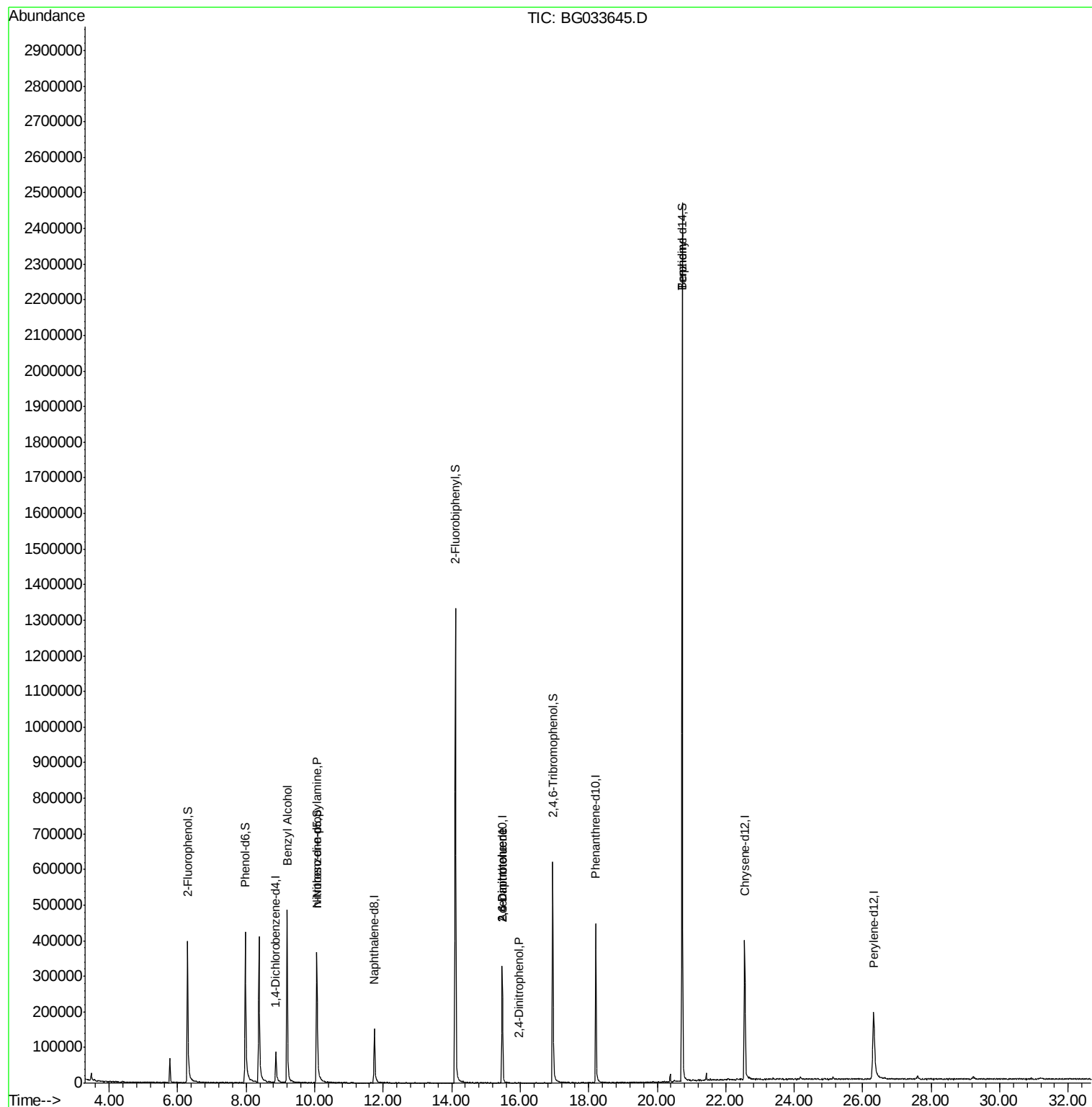
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	33759	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	153585	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	124713	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	306883	20.00	ng	0.00
75) Chrysene-d12	22.56	240	311686	20.00	ng	0.00
86) Perylene-d12	26.32	264	303915	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	202765	112.62	ng	0.00
7) Phenol-d6	7.97	99	311789	100.79	ng	0.00
23) Nitrobenzene-d5	10.06	82	309573	92.61	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	121849	65.33	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	769093	89.03	ng	0.00
78) Terphenyl-d14	20.73	244	1239720	85.06	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5510	2.262	ng	# 31
19) n-Nitroso-di-n-propylamine	10.06	70	39508	17.430	ng	# 76
50) 2,6-Dinitrotoluene	15.48	165	16112	7.260	ng	# 20
53) 2,4-Dinitrophenol	15.96	184	56	7.687	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16112	4.931	ng	# 18
76) Benzidine	20.73	184	21907	2.592	ng	# 95

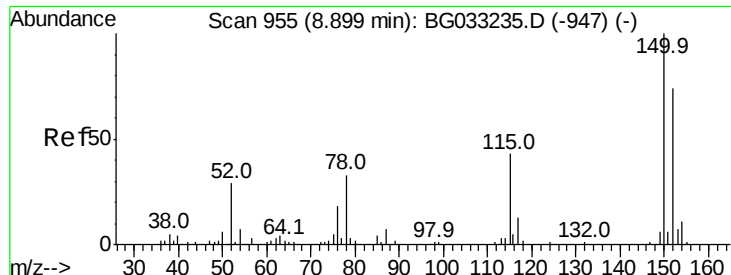
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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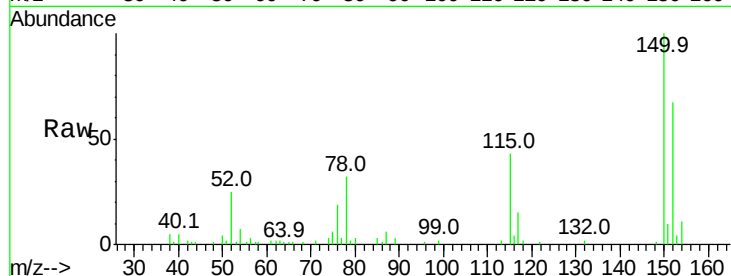


#1

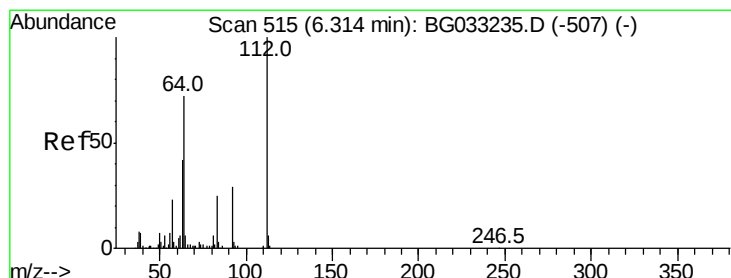
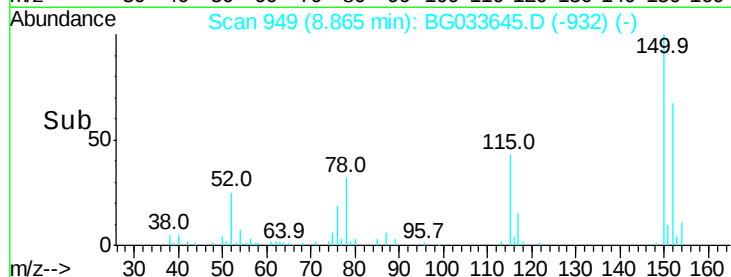
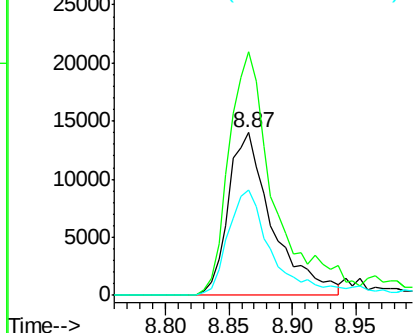
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG033645.D
Acq: 7 Apr 2018 1:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33759
Ion Ratio Lower Upper
152 100
150 149.7 126.6 189.8
115 64.7 53.0 79.4



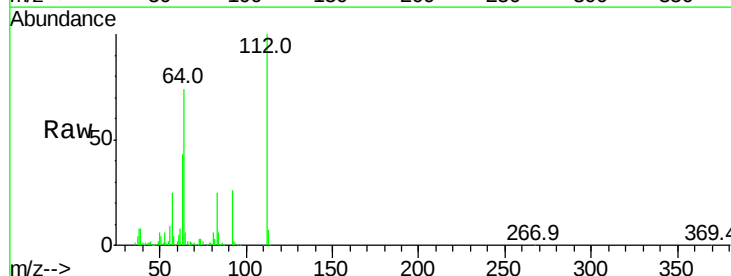
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



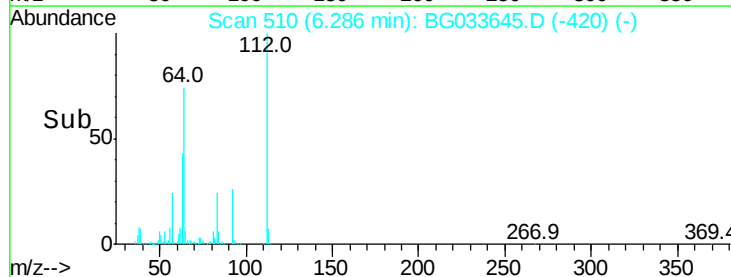
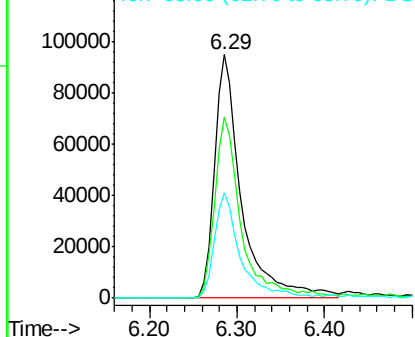
#5

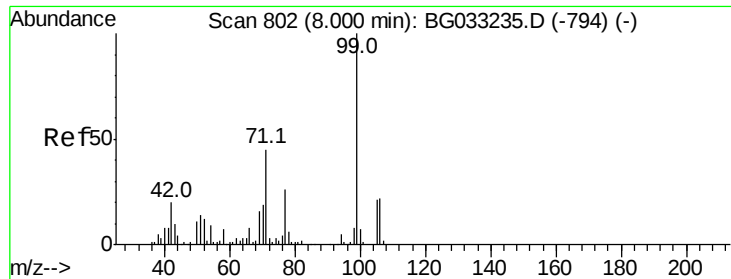
2-Fluorophenol
Concen: 112.624 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033645.D
Acq: 7 Apr 2018 1:43

Tgt Ion:112 Resp: 202765
Ion Ratio Lower Upper
112 100
64 74.4 56.3 84.5
63 43.4 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: 100.792 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

Instrument :

BNA_G

ClientSampleId :

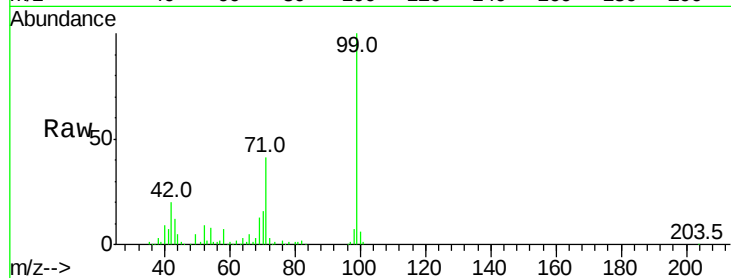
Tot Ion: 99 Resp: 311789

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

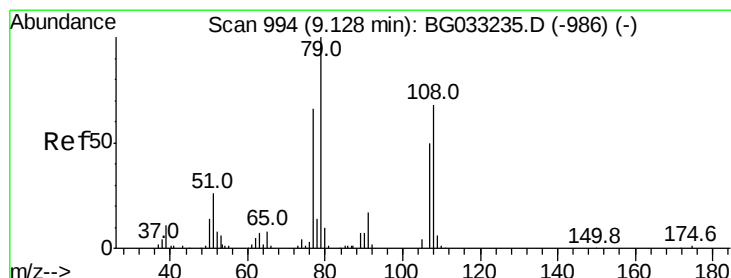
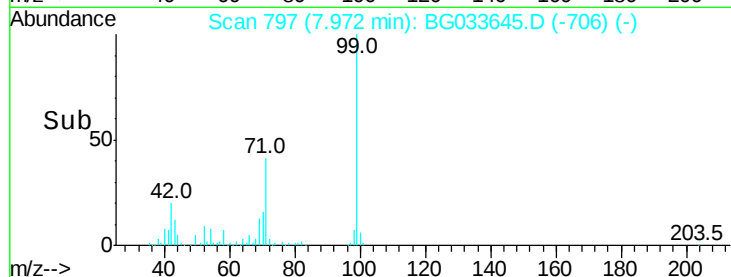
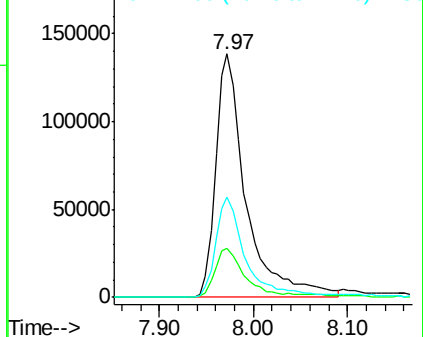
71 41.1 26.1 39.1#



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: 2.262 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

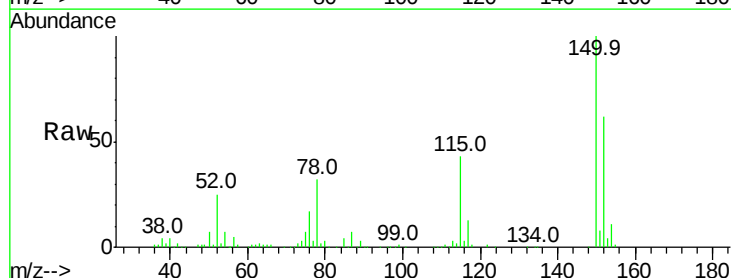
Tgt Ion: 79 Resp: 5510

Ion Ratio Lower Upper

79 100

108 20.4 57.2 85.8#

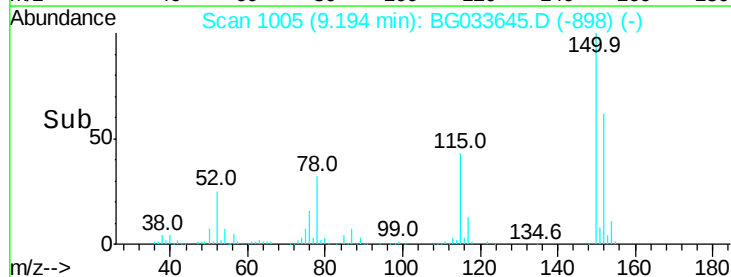
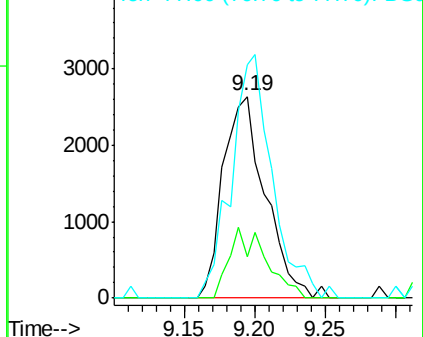
77 115.6 46.1 69.1#

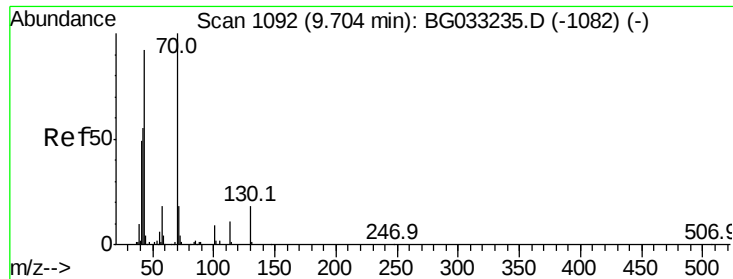


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

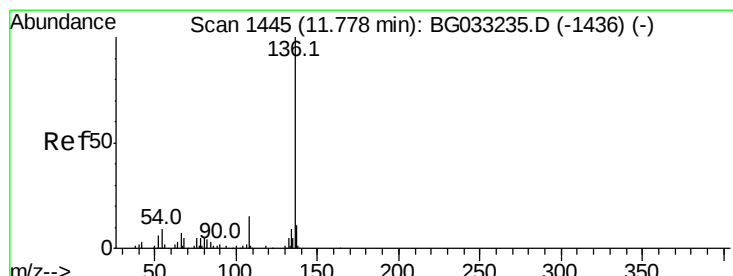
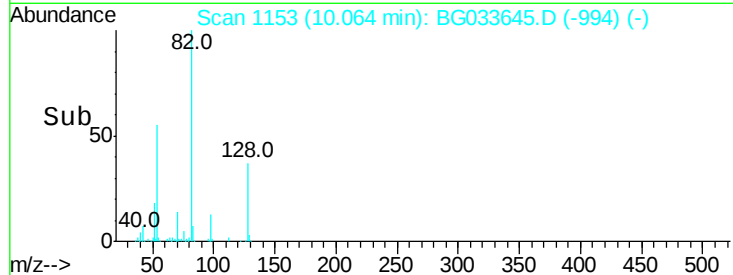
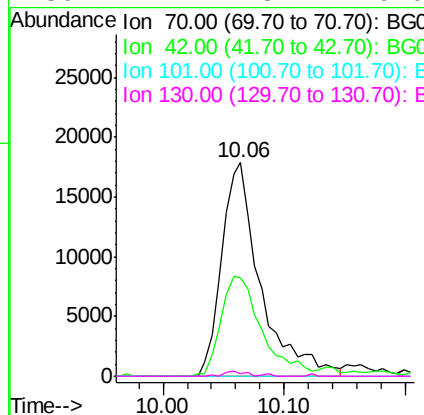
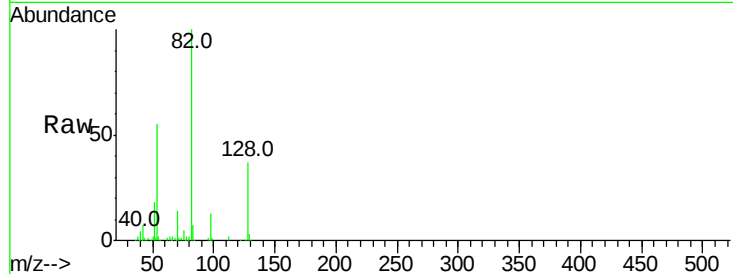




#19
 n-Nitroso-di-n-propylamine
 Concen: 17.430 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.40 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

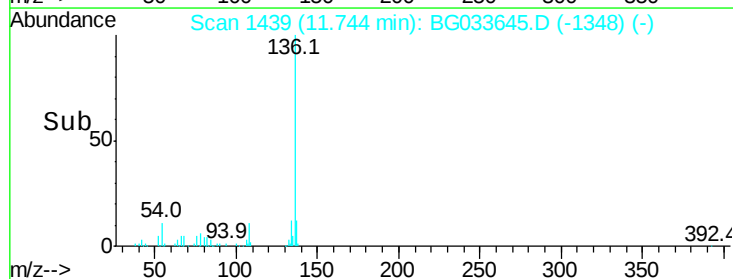
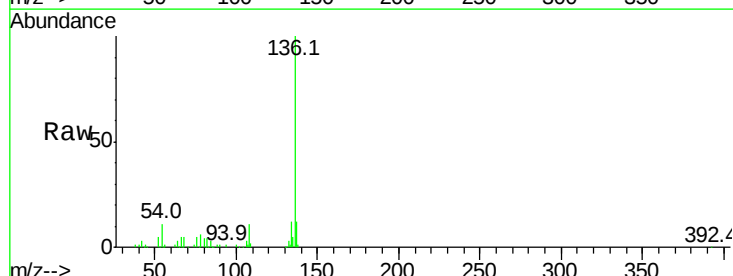
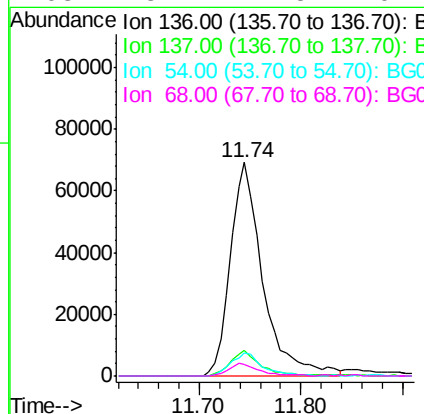
Instrument :
 BNA_G
 ClientSampleId :

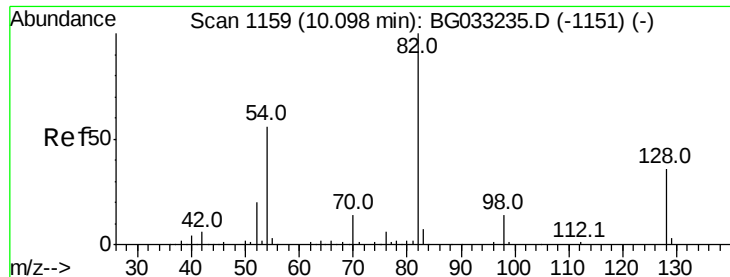
Tot Ion:	70	Resp:	39508
Ion	Ratio	Lower	Upper
70	100		
42	46.3	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.74 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

Tgt Ion:	136	Resp:	153585
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	10.8	10.3	15.5
68	5.1	4.5	6.7





#23

Nitrobenzene-d5

Concen: 92.607 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

Instrument :

BNA_G

ClientSampleId :

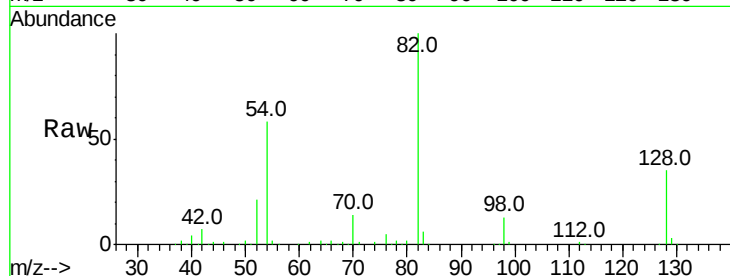
Tot Ion: 82 Resp: 309573

Ion Ratio Lower Upper

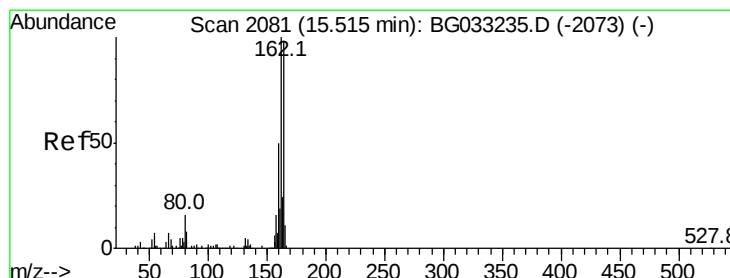
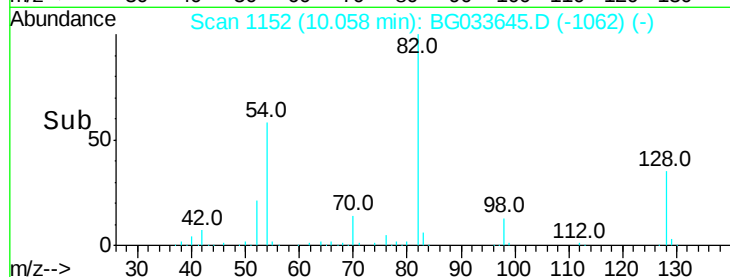
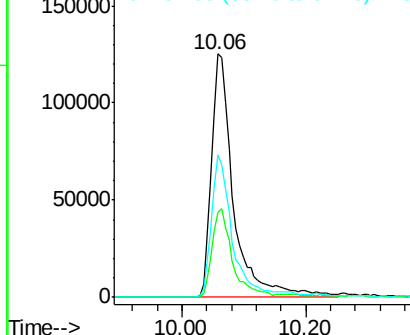
82 100

128 34.8 29.7 44.5

54 58.3 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: 15.48 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

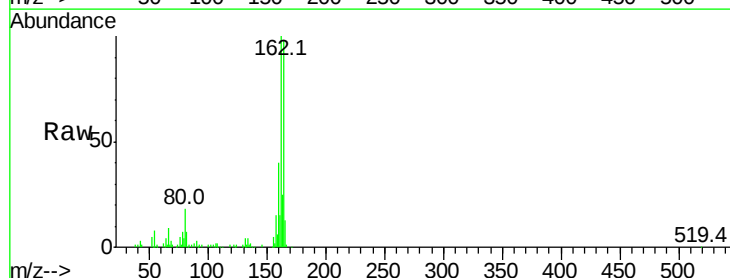
Tgt Ion:164 Resp: 124713

Ion Ratio Lower Upper

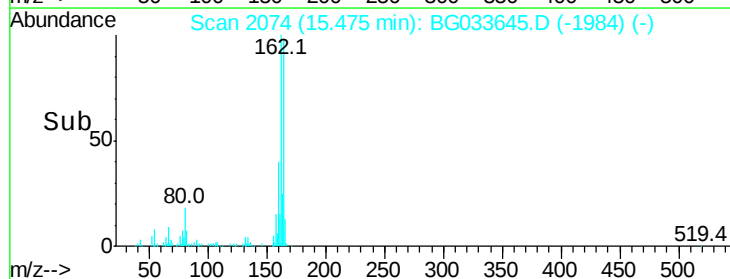
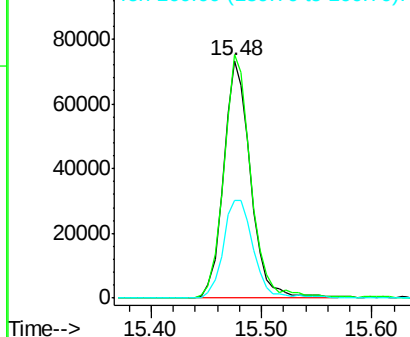
164 100

162 102.4 78.8 118.2

160 41.3 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

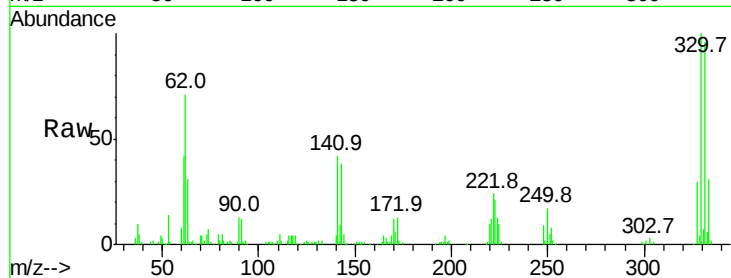




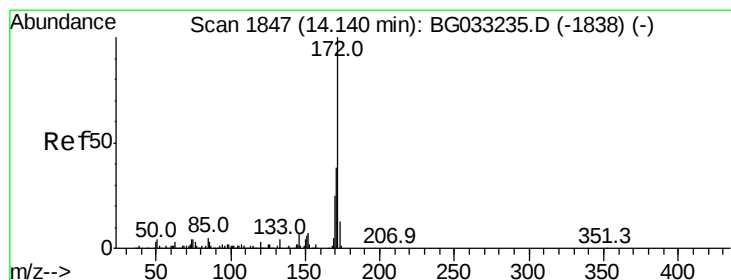
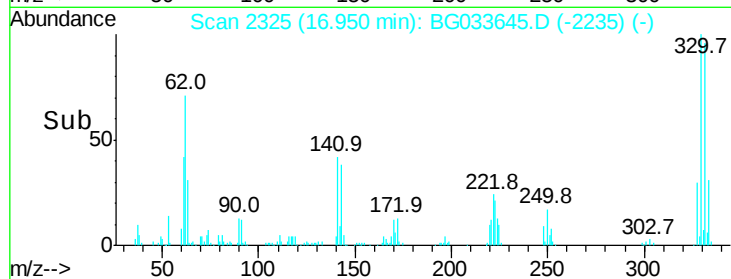
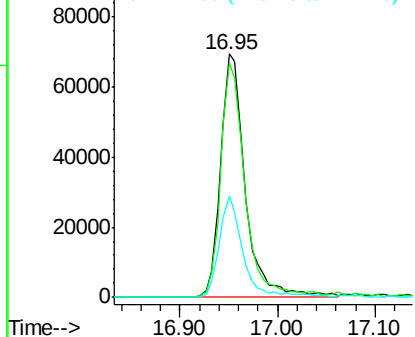
#41
 2,4,6-Tribromophenol
 Concen: 65.327 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 121849
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 40.3 25.2 37.8#

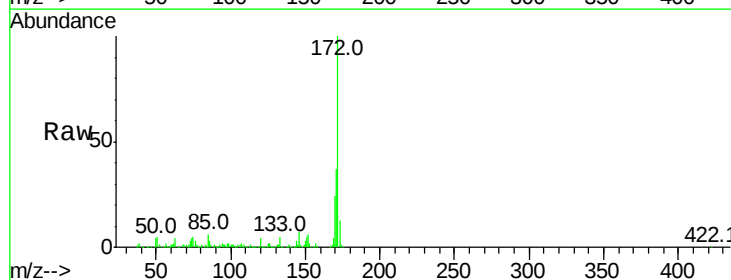


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

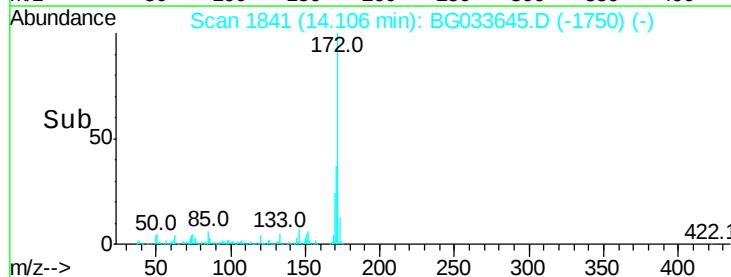
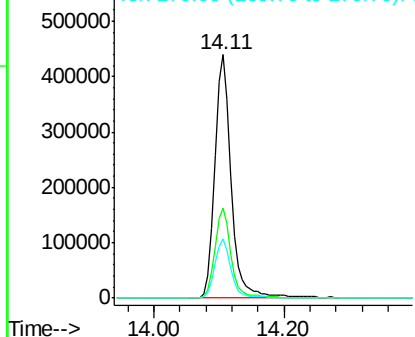


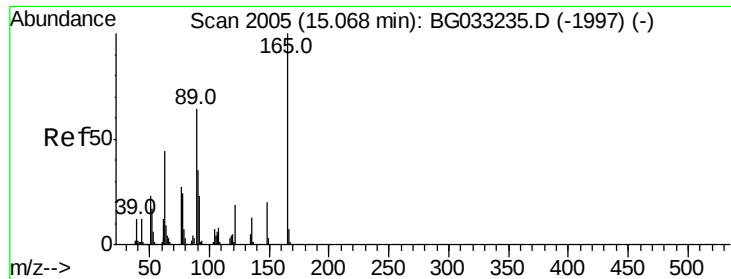
#44
 2-Fluorobiphenyl
 Concen: 89.028 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

Tgt Ion:172 Resp: 769093
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.1 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

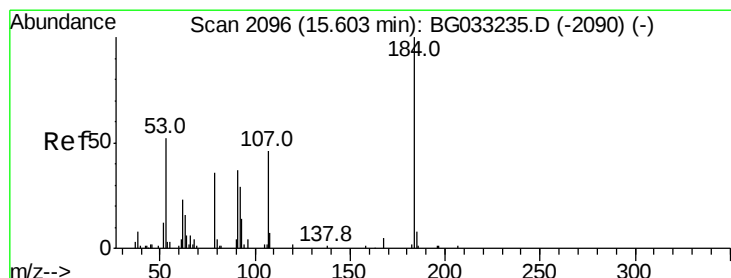
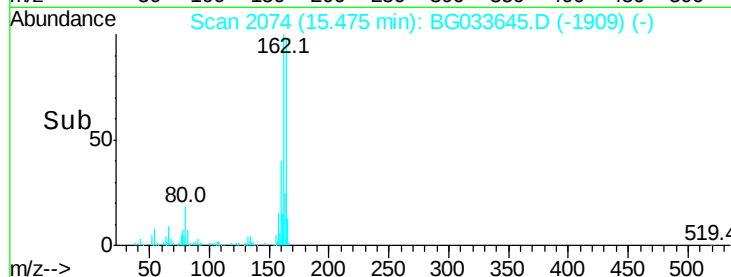
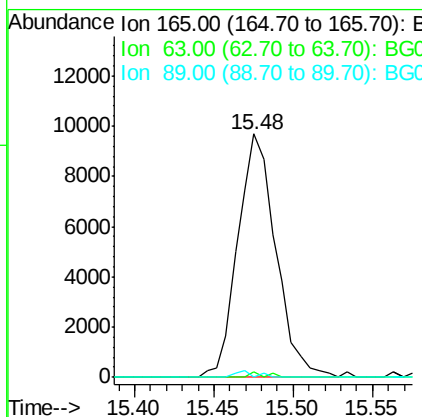
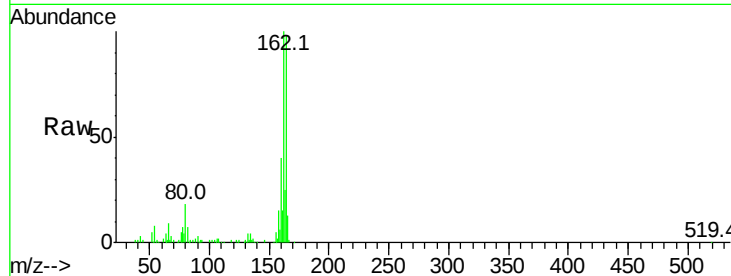




#50
2,6-Dinitrotoluene
Concen: 7.260 ng
RT: 15.48 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033645.D
Acq: 7 Apr 2018 1:43

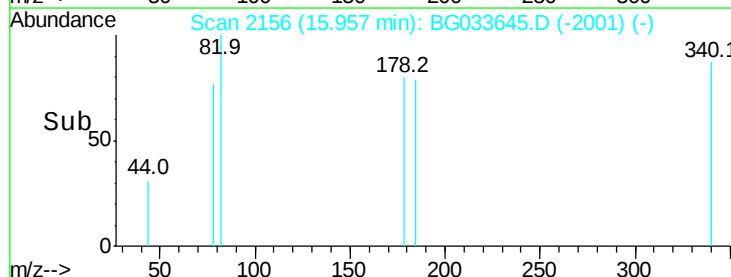
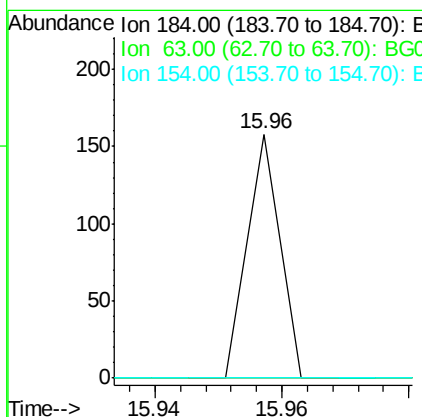
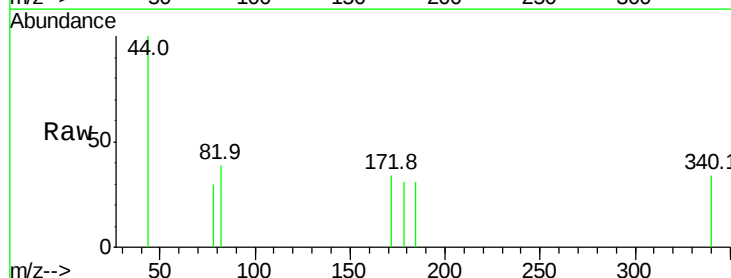
Instrument :
BNA_G
ClientSampleId :

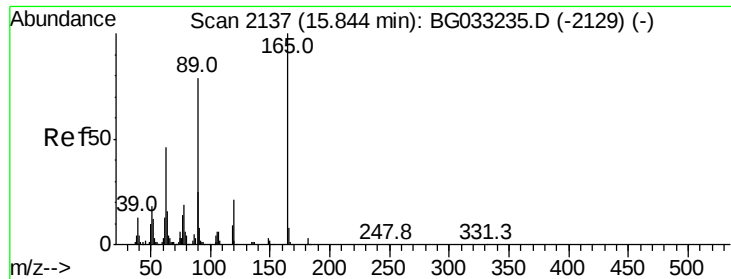
Tot Ion:165 Resp: 16112
Ion Ratio Lower Upper
165 100
63 2.4 52.7 79.1#
89 0.0 49.2 73.8#



#53
2,4-Dinitrophenol
Concen: 7.687 ng
RT: 15.96 min Scan# 2156
Delta R.T. 0.38 min
Lab File: BG033645.D
Acq: 7 Apr 2018 1:43

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

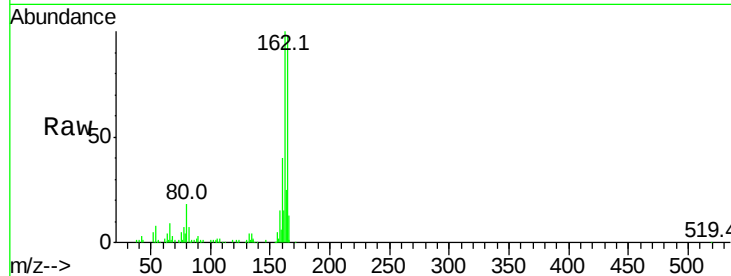




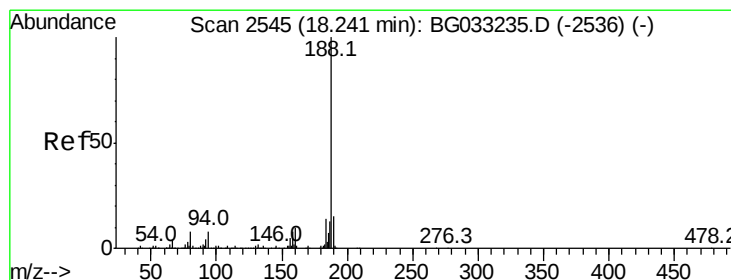
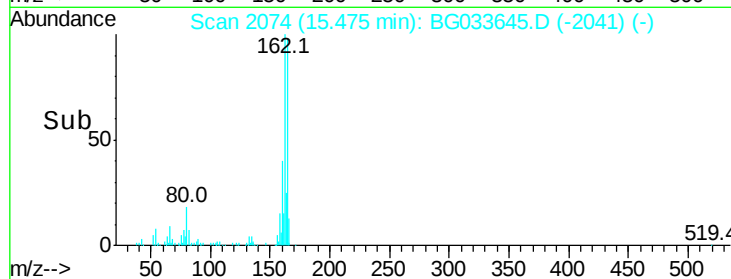
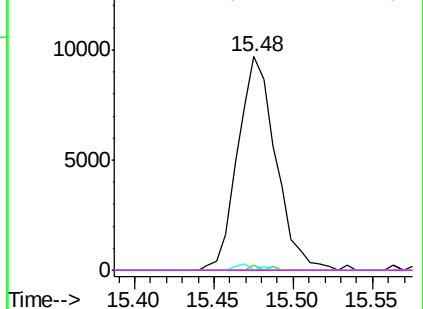
#56
 2,4-Dinitrotoluene
 Concen: 4.931 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 16112
 Ion Ratio Lower Upper
 165 100
 63 2.4 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

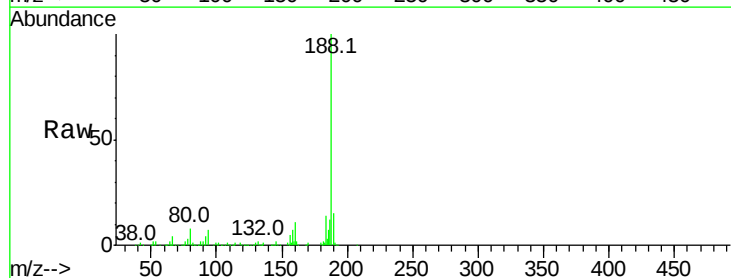


Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

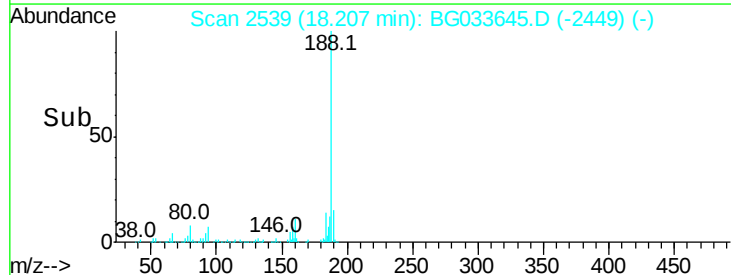
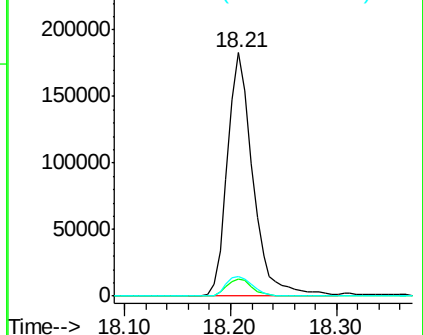


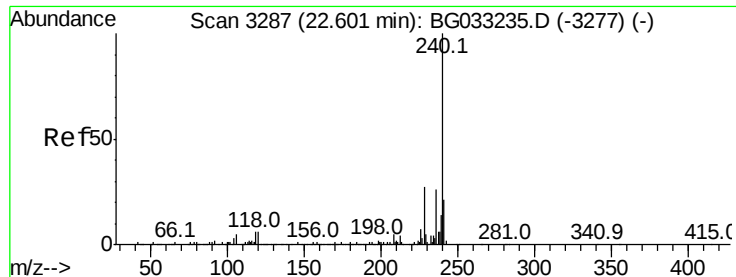
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BG033645.D
 Acq: 7 Apr 2018 1:43

Tgt Ion:188 Resp: 306883
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 250000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

Instrument :

BNA_G

ClientSampleId :

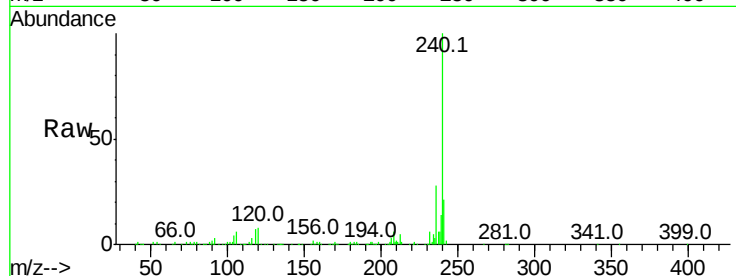
Tot Ion:240 Resp: 311686

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

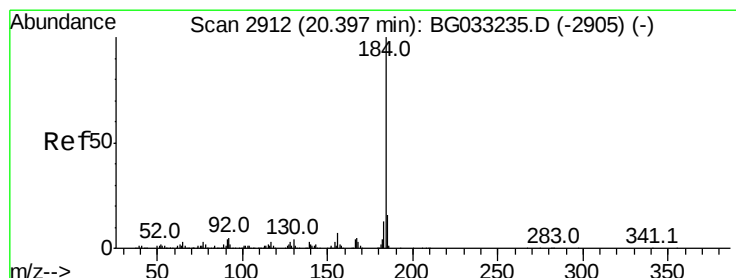
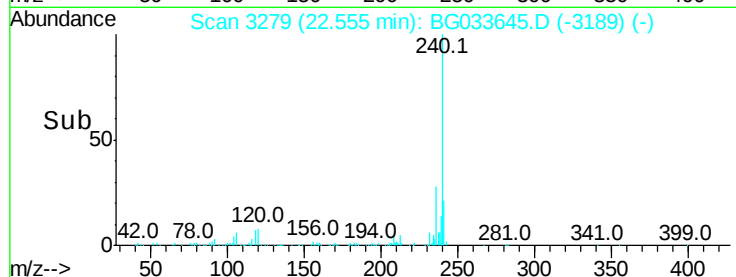
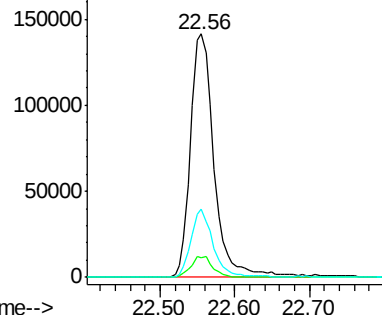
236 28.2 20.9 31.3



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: 2.592 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

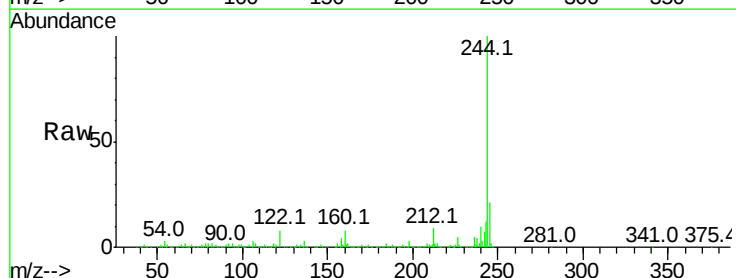
Tgt Ion:184 Resp: 21907

Ion Ratio Lower Upper

184 100

185 13.7 11.1 16.7

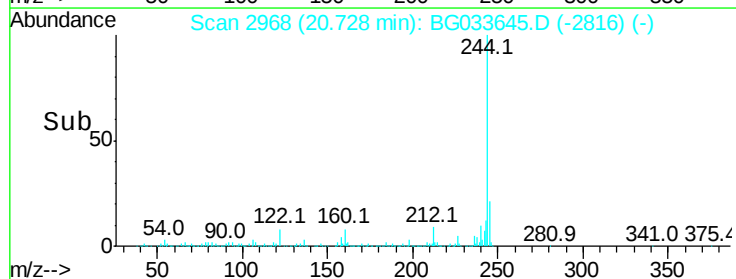
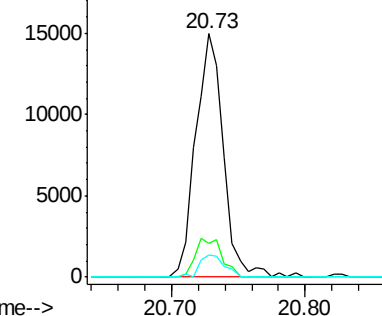
183 9.1 10.6 16.0#

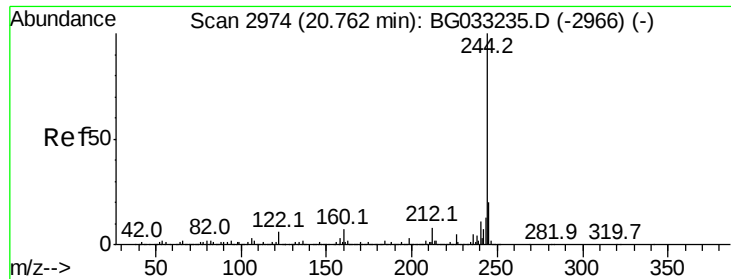


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.062 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

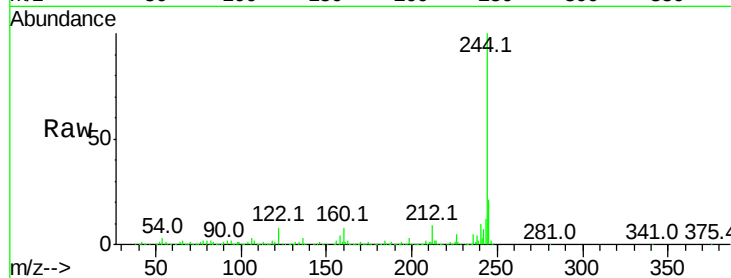
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1239720

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	7.9	7.0	10.4

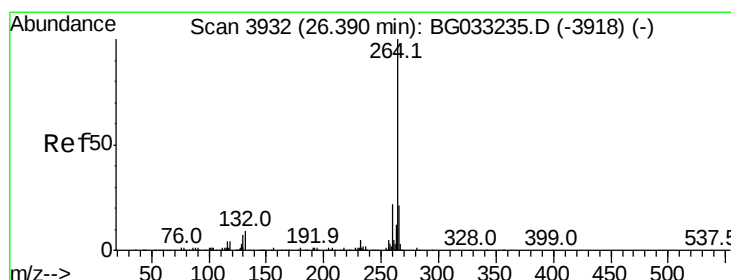
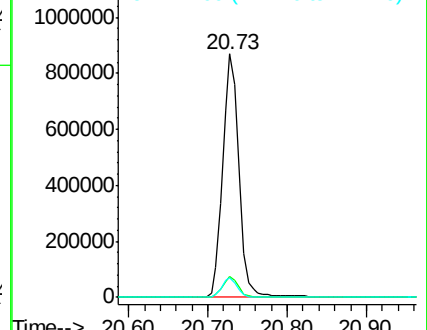
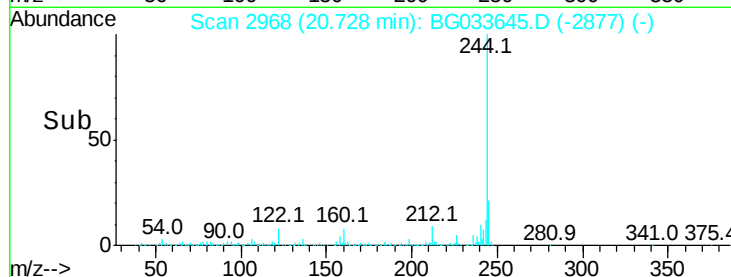


Abundance

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: 26.32 min Scan# 3920

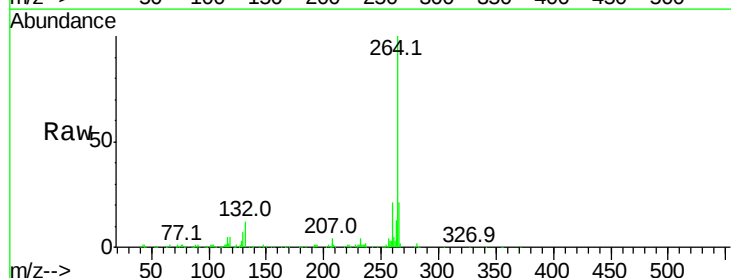
Delta R.T. 0.00 min

Lab File: BG033645.D

Acq: 7 Apr 2018 1:43

Tgt Ion:264 Resp: 303915

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.4	26.0
265	21.3	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

