

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033640.D
 Acq On : 6 Apr 2018 22:35
 Operator : SJ/JU
 Sample : J2231-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 07 00:53:23 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

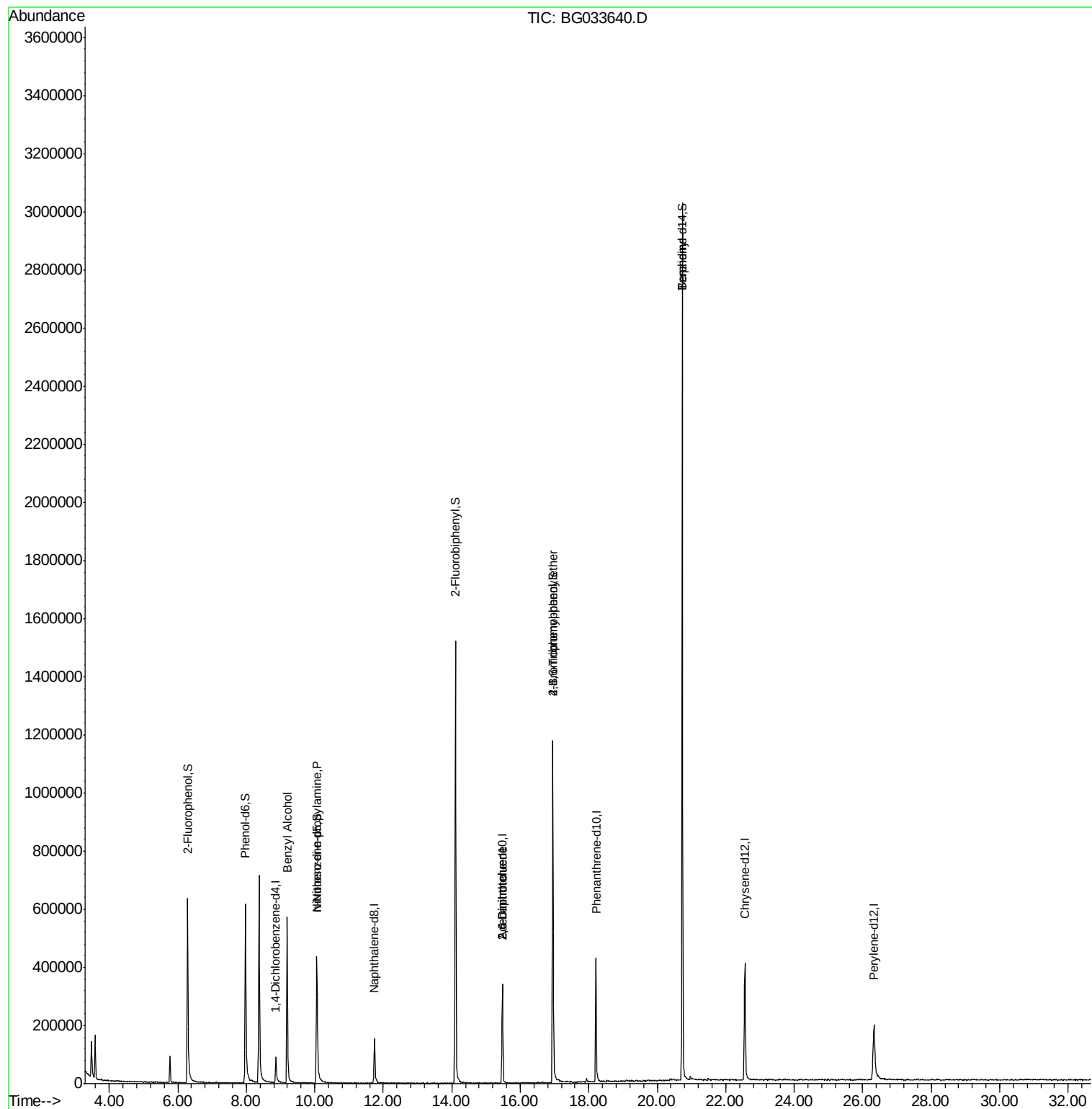
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	35161	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	158453	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	125799	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	310551	20.00	ng	0.00
75) Chrysene-d12	22.55	240	315288	20.00	ng	0.00
86) Perylene-d12	26.33	264	301868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	318378	169.79	ng	0.00
7) Phenol-d6	7.97	99	433824	134.65	ng	0.00
23) Nitrobenzene-d5	10.06	82	341862	99.12	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	226414	120.34	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	863055	99.04	ng	0.00
78) Terphenyl-d14	20.73	244	1510429	102.45	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5724	2.256	ng	# 45
19) n-Nitroso-di-n-propylamine	10.06	70	47479	20.111	ng	# 80
50) 2,6-Dinitrotoluene	15.48	165	15618	6.977	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	15618	4.738	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	17599	4.825	ng	# 1
76) Benzidine	20.73	184	26843	3.139	ng	94

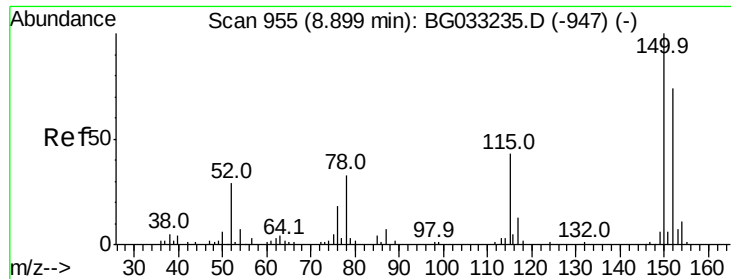
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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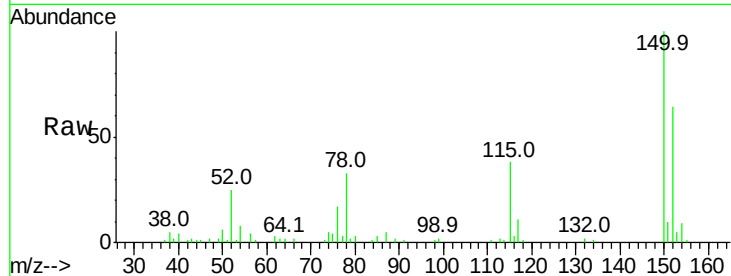


#1

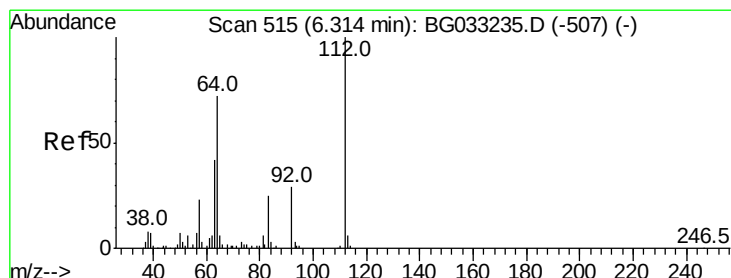
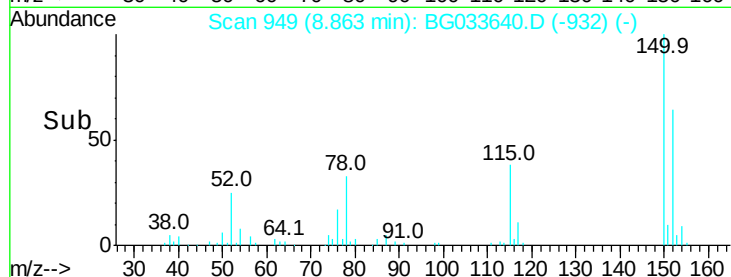
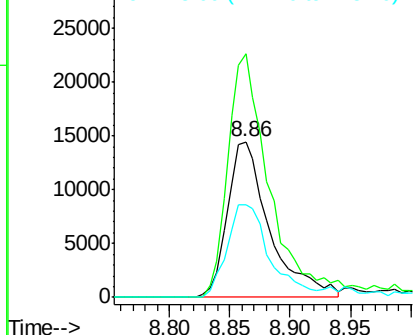
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG033640.D
Acq: 6 Apr 2018 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35161
Ion Ratio Lower Upper
152 100
150 156.5 126.6 189.8
115 59.2 53.0 79.4



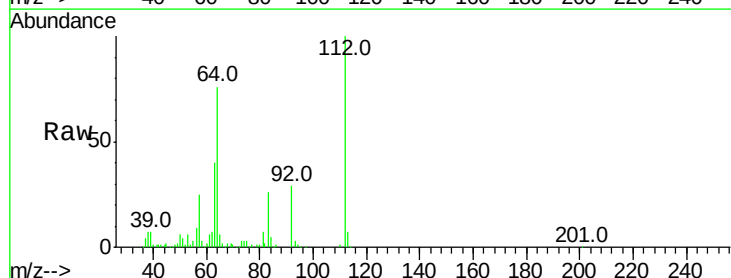
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



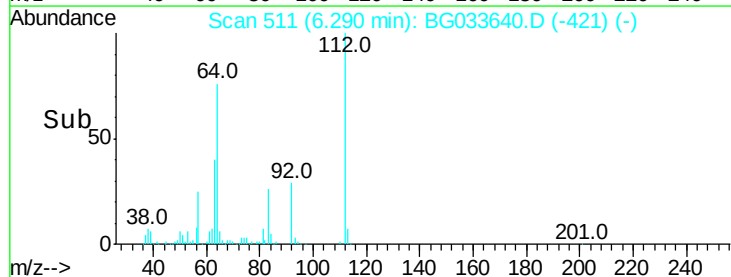
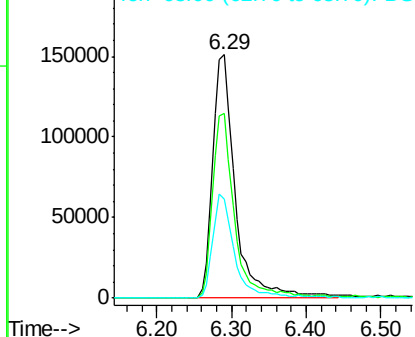
#5

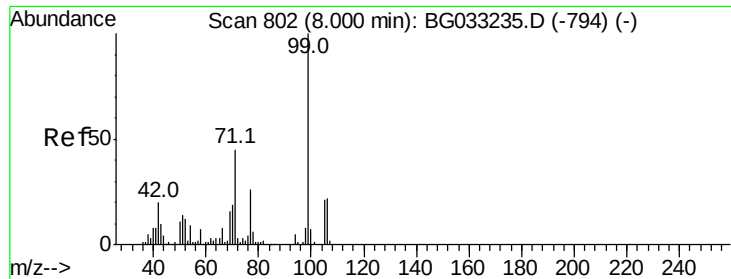
2-Fluorophenol
Concen: 169.790 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.00 min
Lab File: BG033640.D
Acq: 6 Apr 2018 22:35

Tgt Ion:112 Resp: 318378
Ion Ratio Lower Upper
112 100
64 76.1 56.3 84.5
63 40.4 30.1 45.1



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





#7

Phenol-d6

Concen: 134.650 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Instrument :

BNA_G

ClientSampleId :

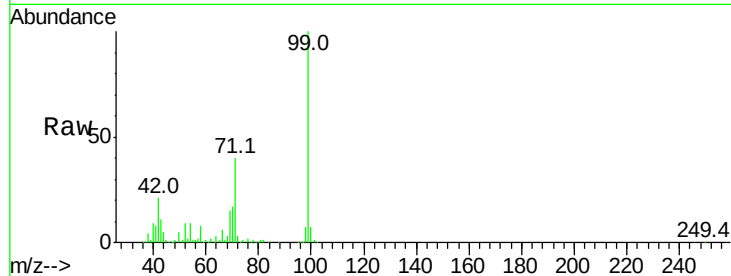
Tot Ion: 99 Resp: 433824

Ion Ratio Lower Upper

99 100

42 20.8 14.1 21.1

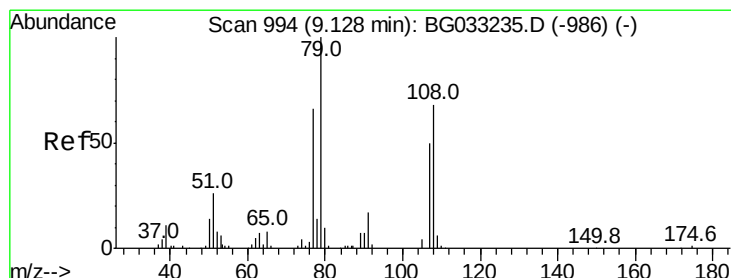
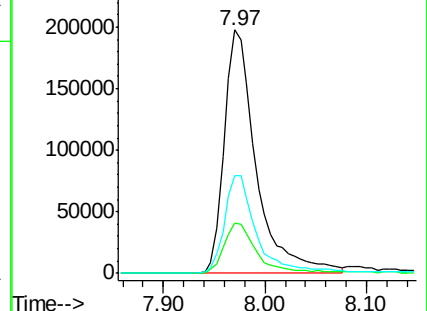
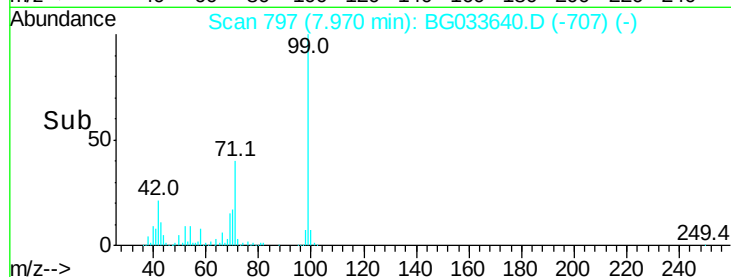
71 40.0 26.1 39.1#



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: 2.256 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

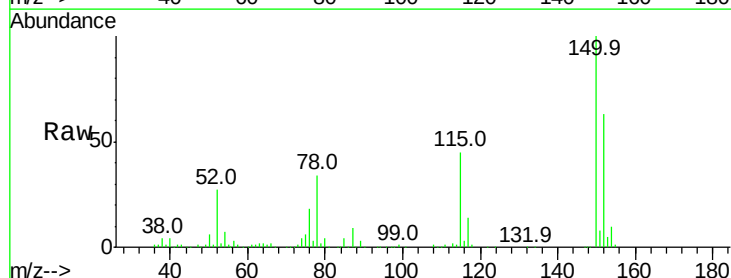
Tgt Ion: 79 Resp: 5724

Ion Ratio Lower Upper

79 100

108 31.8 57.2 85.8#

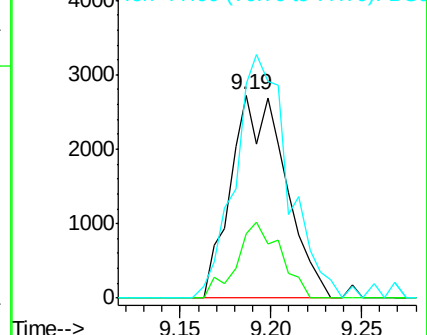
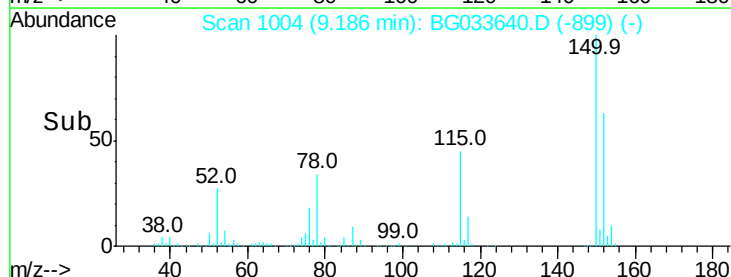
77 105.4 46.1 69.1#

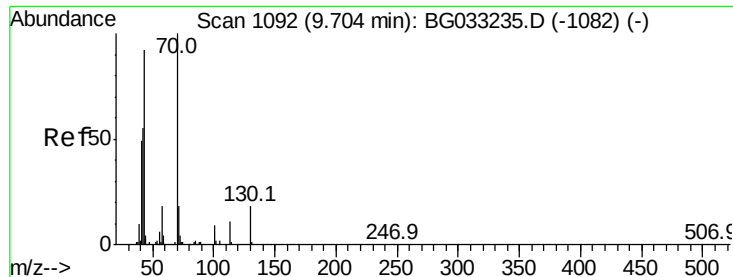


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 20.111 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.40 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 47479

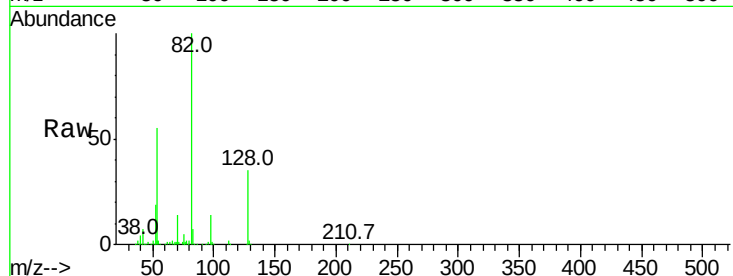
Ion Ratio Lower Upper

70 100

42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

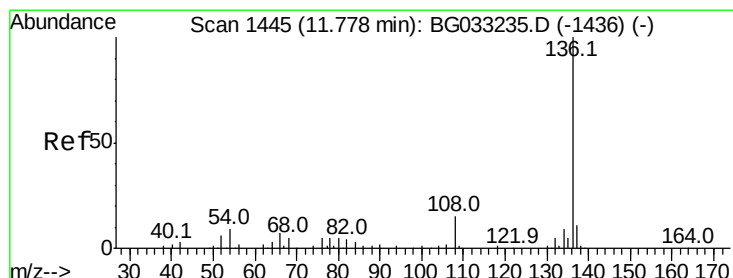
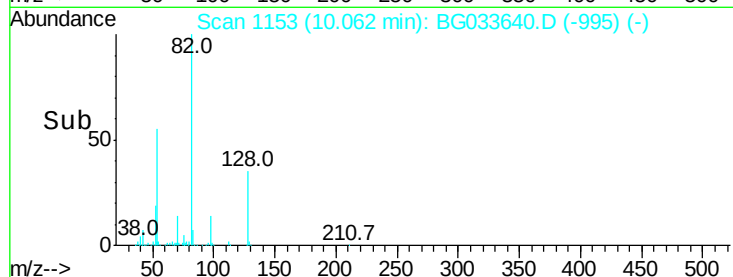
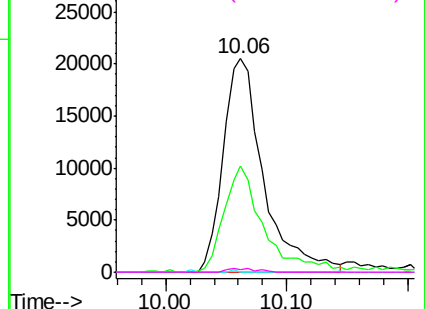


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Tgt Ion: 136 Resp: 158453

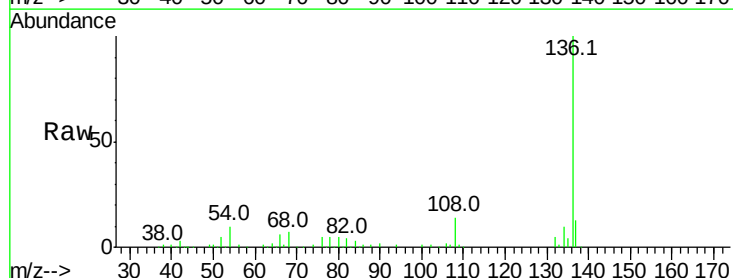
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 9.6 10.3 15.5#

68 6.6 4.5 6.7

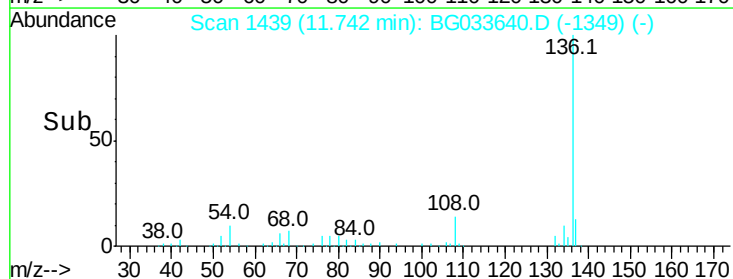
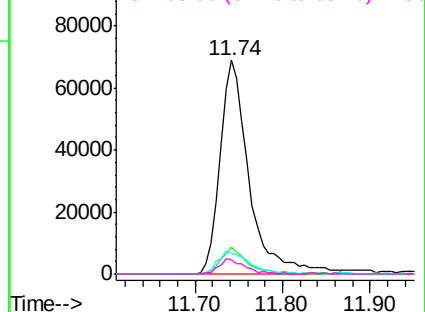


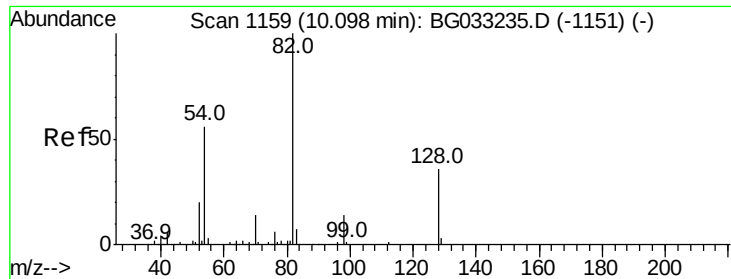
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

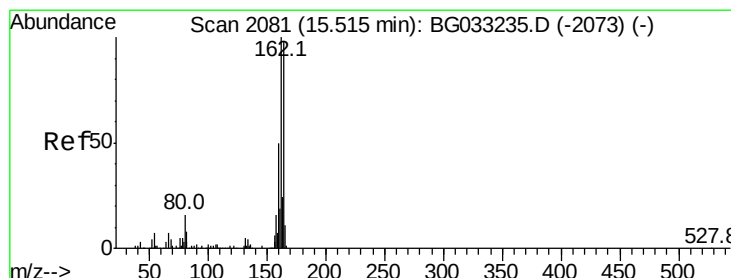
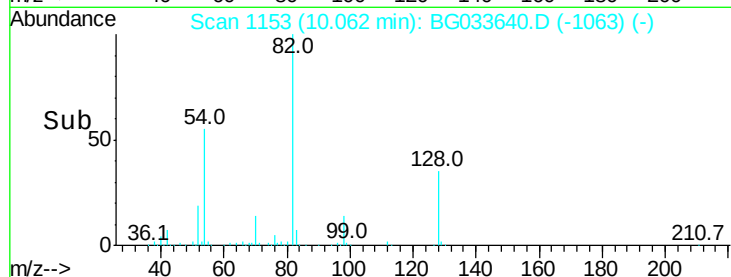
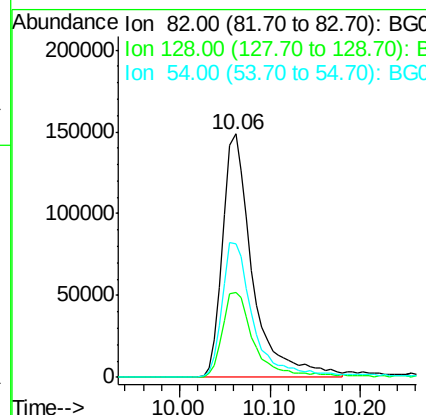
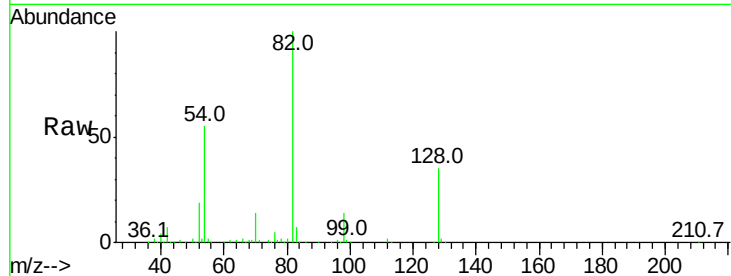




#23
 Nitrobenzene-d5
 Concen: 99.124 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BG033640.D
 Acq: 6 Apr 2018 22:35

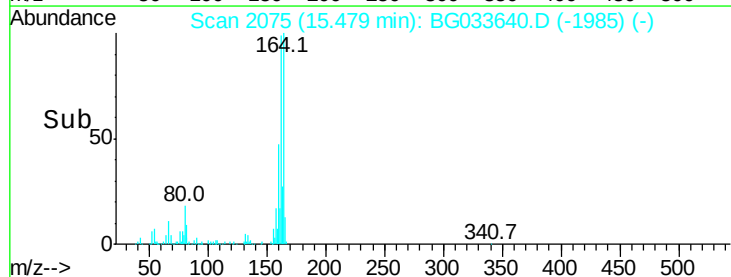
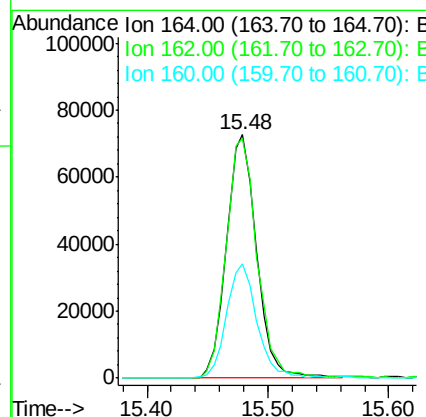
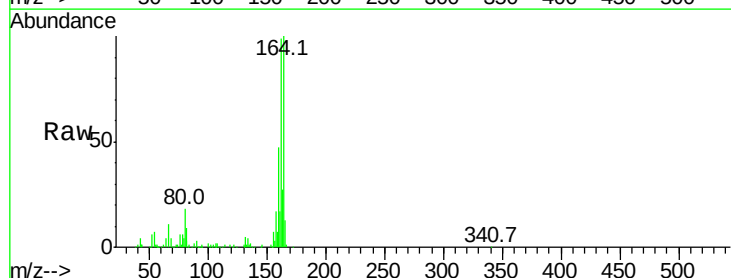
Instrument :
 BNA_G
 ClientSampleId :

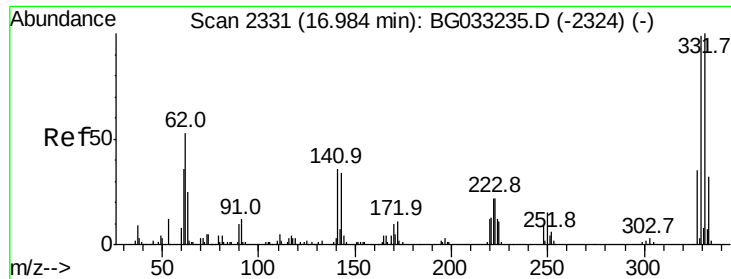
Tot Ion: 82 Resp: 341862
 Ion Ratio Lower Upper
 82 100
 128 35.1 29.7 44.5
 54 55.0 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG033640.D
 Acq: 6 Apr 2018 22:35

Tgt Ion: 164 Resp: 125799
 Ion Ratio Lower Upper
 164 100
 162 98.6 78.8 118.2
 160 46.9 35.4 53.0

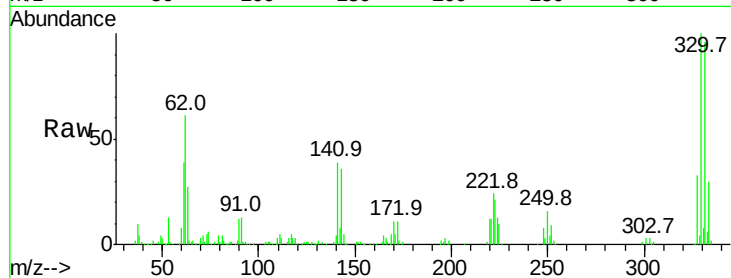




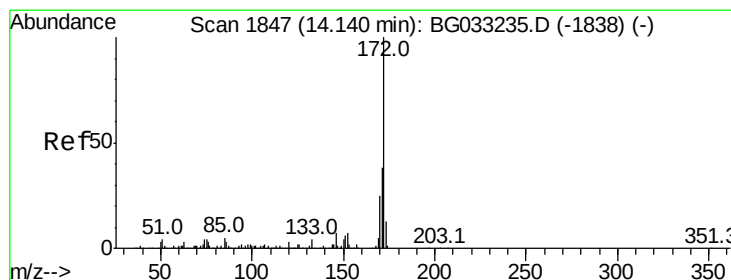
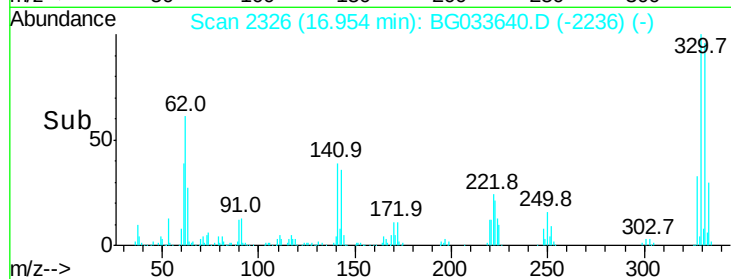
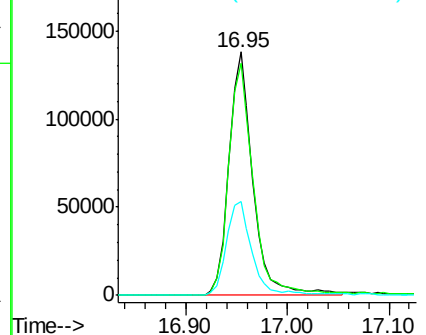
#41
 2,4,6-Tribromophenol
 Concen: 120.339 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033640.D
 Acq: 6 Apr 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	41.6	25.2	37.8#

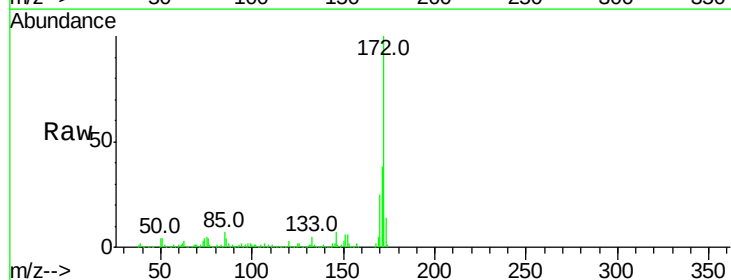


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

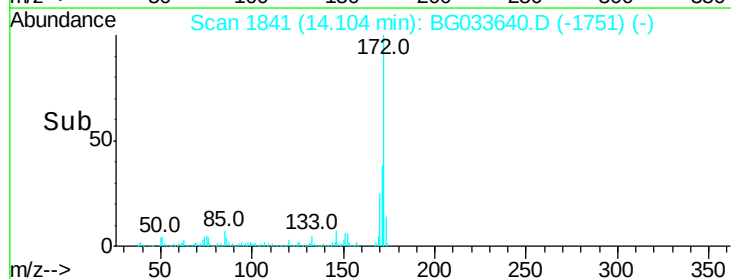
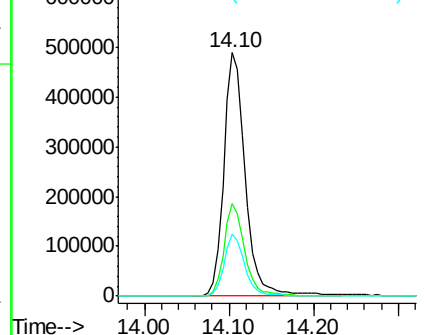


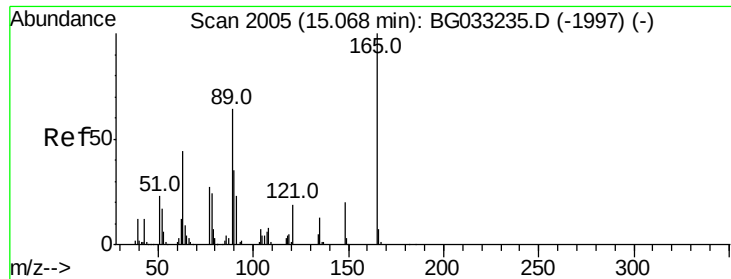
#44
 2-Fluorobiphenyl
 Concen: 99.042 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033640.D
 Acq: 6 Apr 2018 22:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	25.2	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

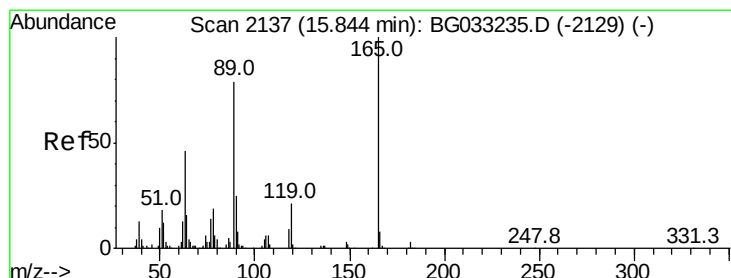
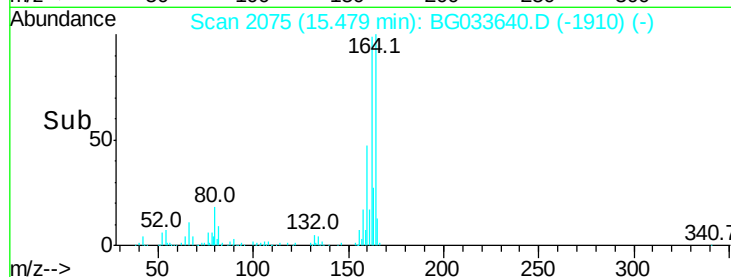
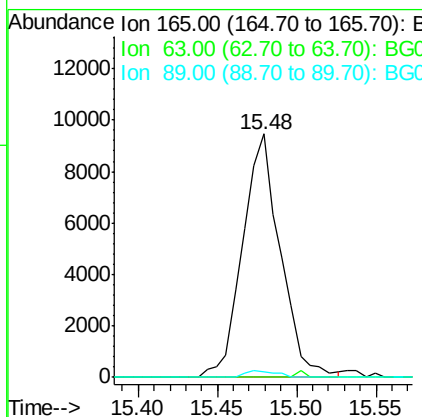
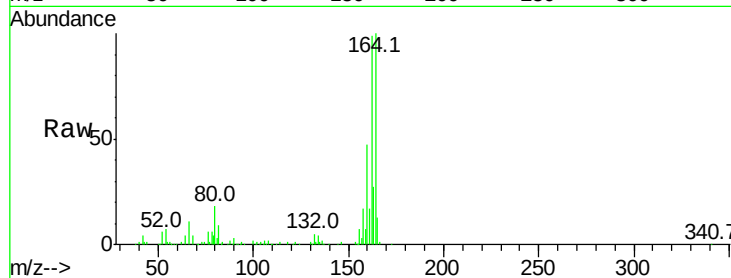




#50
2,6-Dinitrotoluene
Concen: 6.977 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.44 min
Lab File: BG033640.D
Acq: 6 Apr 2018 22:35

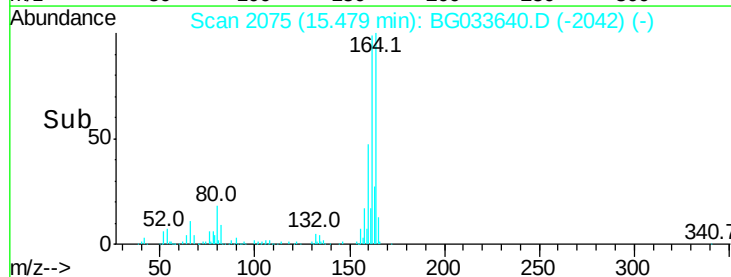
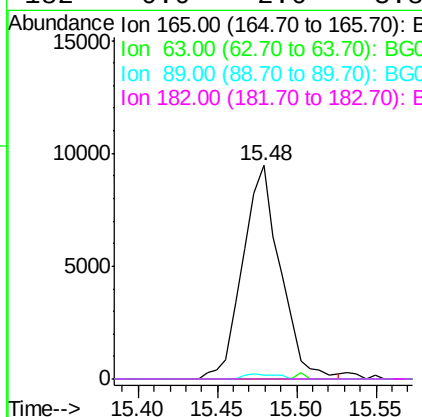
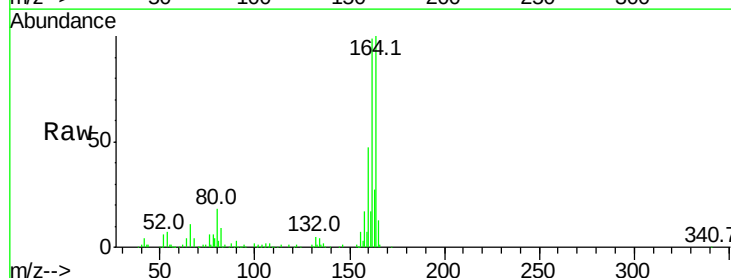
Instrument :
BNA_G
ClientSampleId :

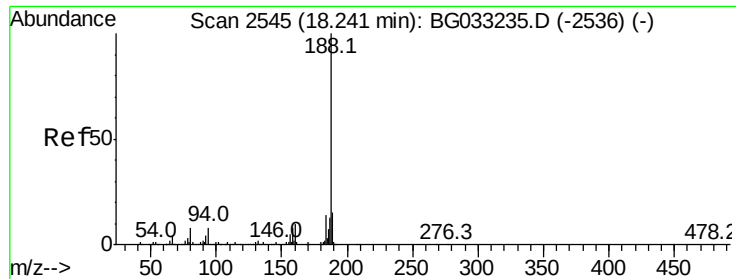
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.738 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033640.D
Acq: 6 Apr 2018 22:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Instrument :

BNA_G

ClientSampleId :

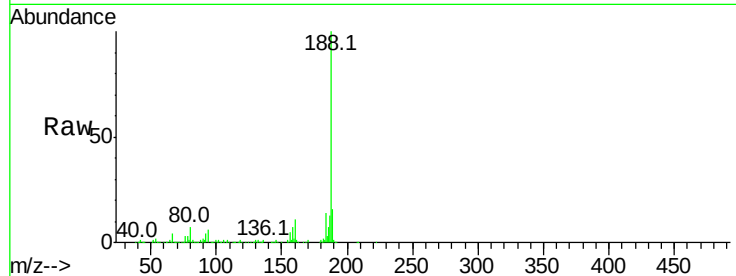
Tot Ion:188 Resp: 310551

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

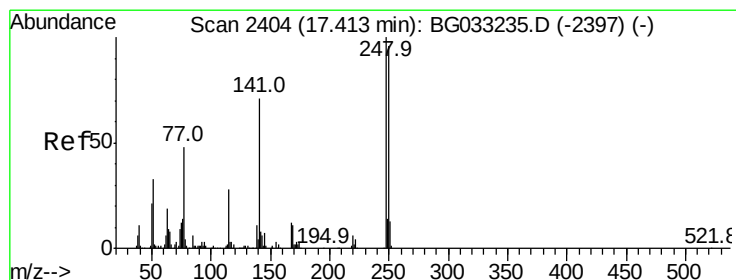
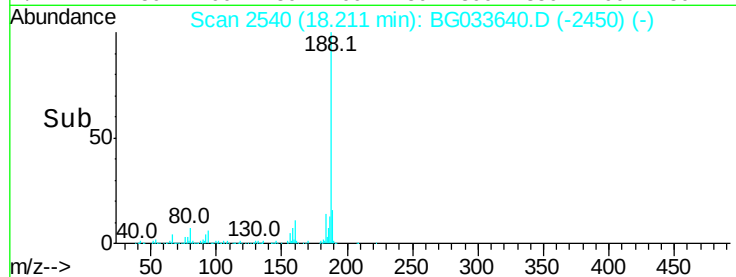
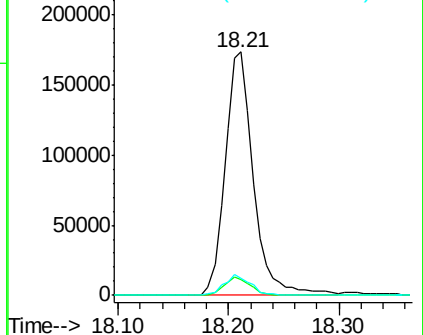
80 7.2 7.7 11.5#



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: 4.825 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.43 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

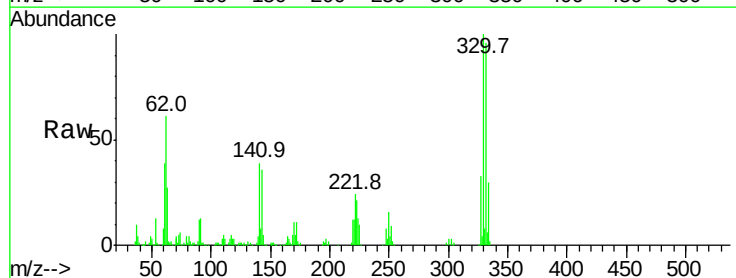
Tgt Ion:248 Resp: 17599

Ion Ratio Lower Upper

248 100

250 204.7 77.1 115.7#

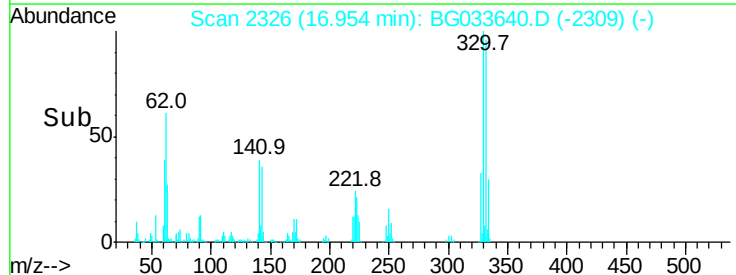
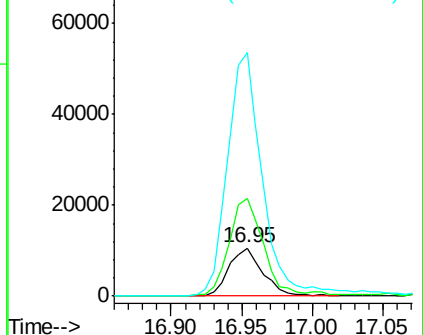
141 506.7 50.8 76.2#

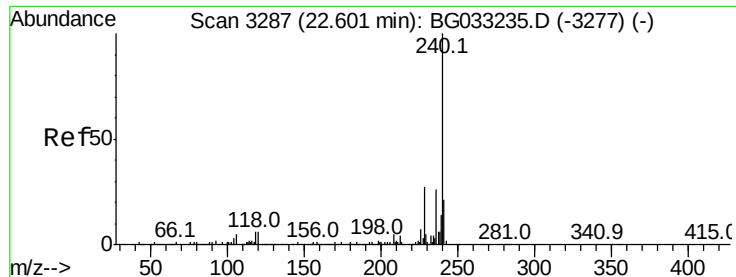


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3279

Delta R.T. -0.01 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

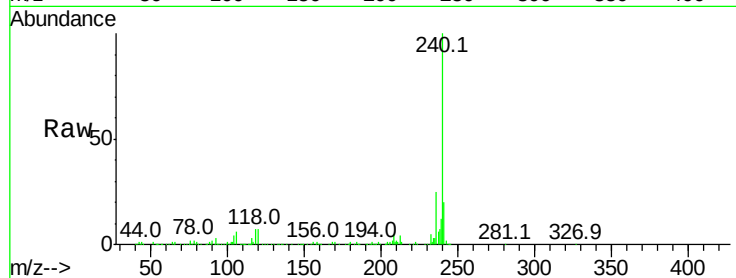
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 315288

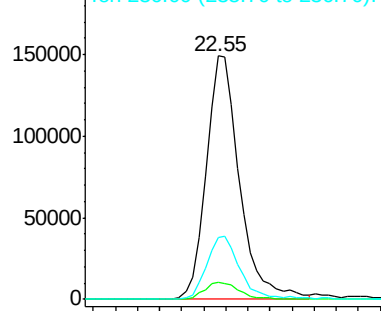
Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.8	10.2
236	25.2	20.9	31.3



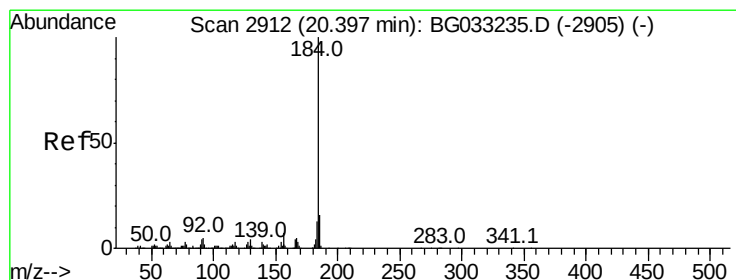
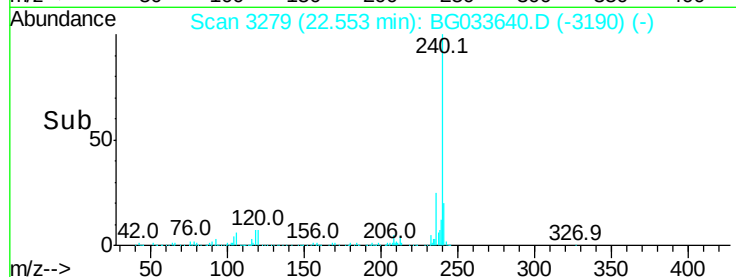
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.139 ng

RT: 20.73 min Scan# 2969

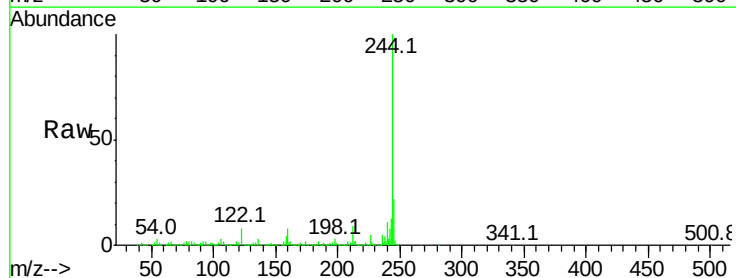
Delta R.T. 0.36 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Tgt Ion:184 Resp: 26843

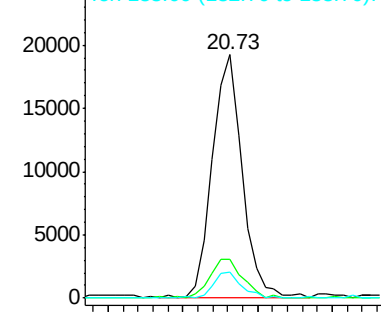
Ion	Ratio	Lower	Upper
184	100		
185	16.2	11.1	16.7
183	10.8	10.6	16.0



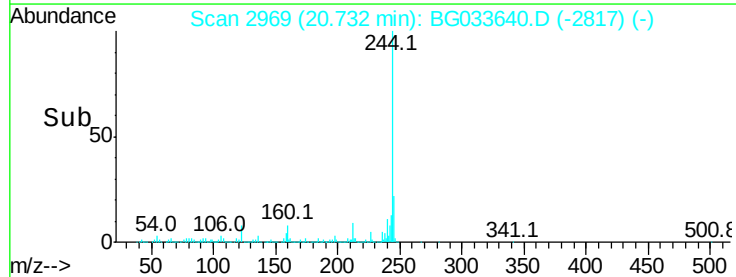
Abundance Ion 184.00 (183.70 to 184.70): E

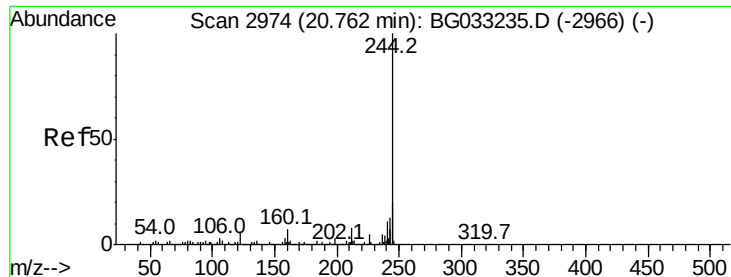
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#78

Terphenyl-d14

Concen: 102.453 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.01 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

Instrument :

BNA_G

ClientSampled :

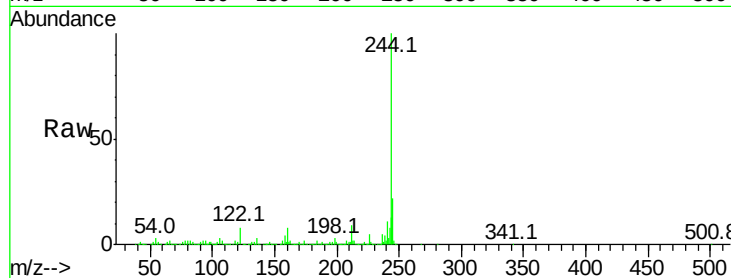
Tot Ion:244 Resp: 1510429

Ion Ratio Lower Upper

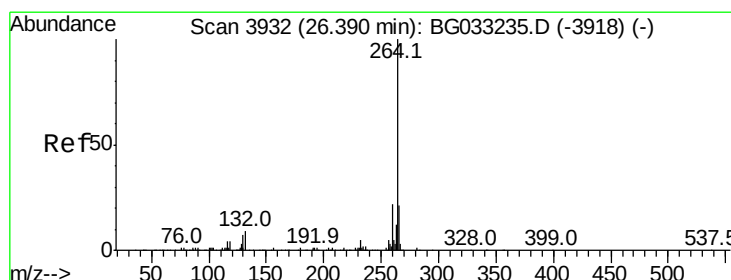
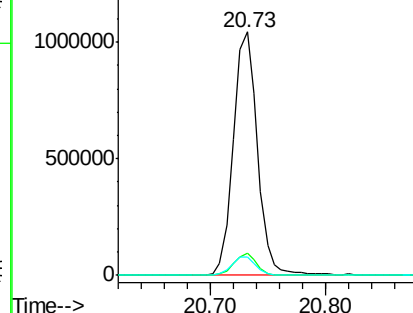
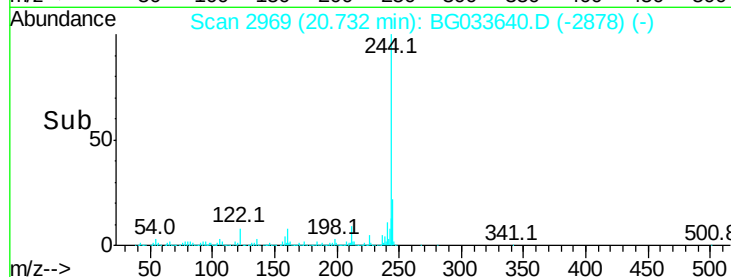
244 100

212 9.0 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.33 min Scan# 3921

Delta R.T. 0.01 min

Lab File: BG033640.D

Acq: 6 Apr 2018 22:35

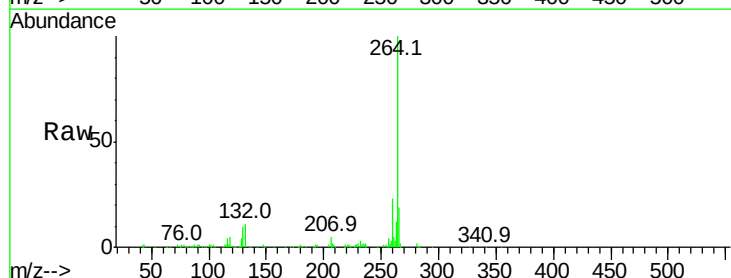
Tgt Ion:264 Resp: 301868

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 18.9 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

