

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033639.D
 Acq On : 6 Apr 2018 21:57
 Operator : SJ/JU
 Sample : J2228-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 07 00:53:11 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

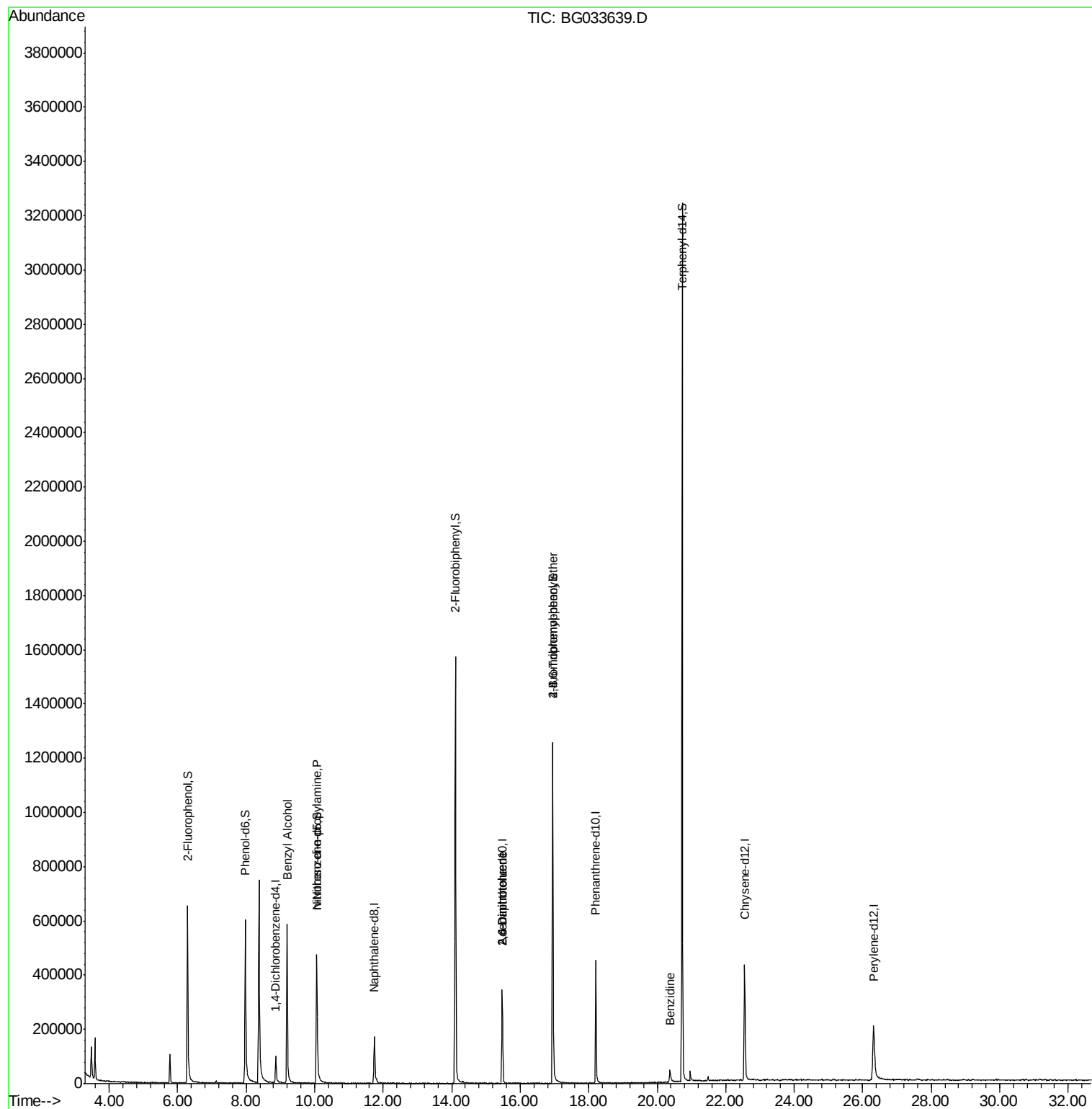
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	36893	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	169399	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	133147	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	324230	20.00	ng	0.00
75) Chrysene-d12	22.56	240	332832	20.00	ng	0.00
86) Perylene-d12	26.32	264	312822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	315408	160.31	ng	0.00
7) Phenol-d6	7.97	99	420377	124.35	ng	0.00
23) Nitrobenzene-d5	10.06	82	370650	100.53	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	246184	123.63	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	906997	98.34	ng	0.00
78) Terphenyl-d14	20.73	244	1543694	99.19	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	6479	2.434	ng	# 55
19) n-Nitroso-di-n-propylamine	10.06	70	51736	20.885	ng	# 78
50) 2,6-Dinitrotoluene	15.47	165	17854	7.536	ng	# 18
56) 2,4-Dinitrotoluene	15.47	165	17854	5.118	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	18507	4.860	ng	# 1
76) Benzidine	20.38	184	44860	4.970	ng	96

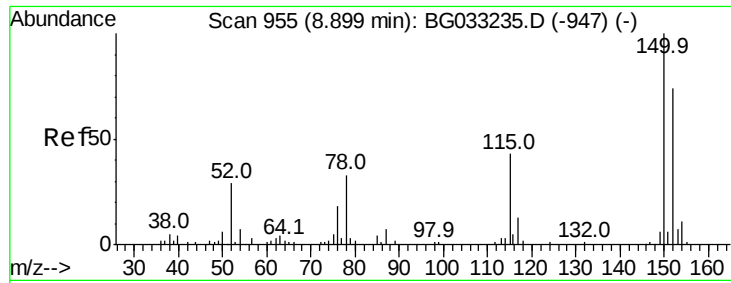
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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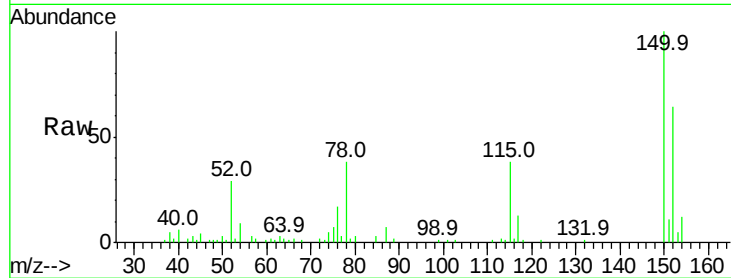


#1

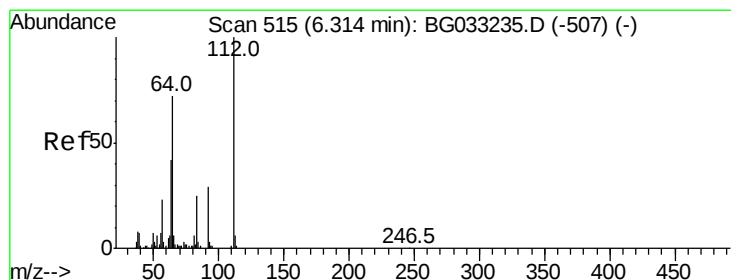
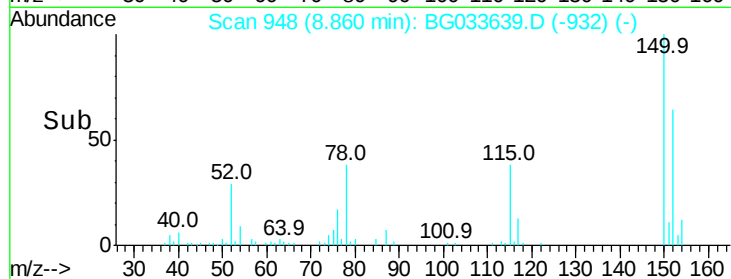
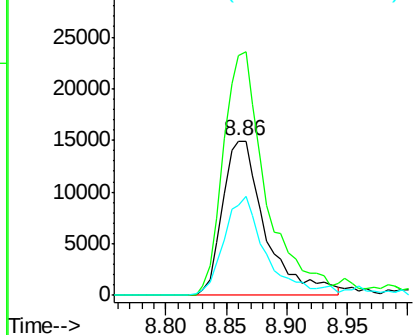
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG033639.D
Acq: 6 Apr 2018 21:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36893
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 58.6 53.0 79.4



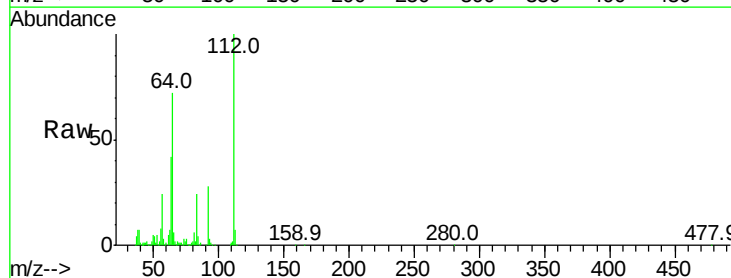
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



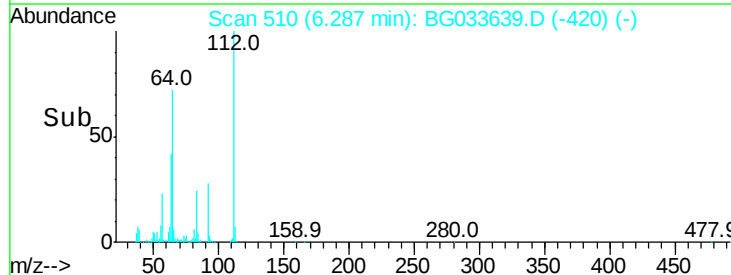
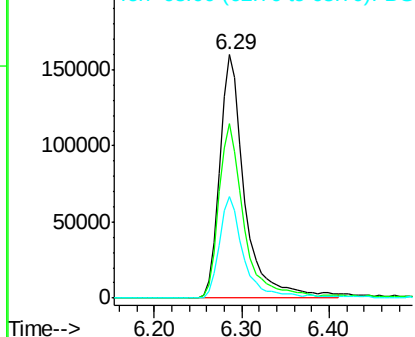
#5

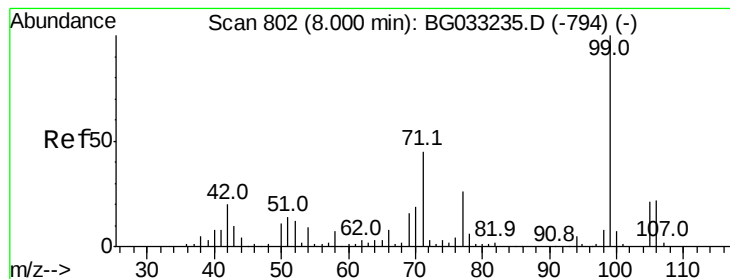
2-Fluorophenol
Concen: 160.309 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033639.D
Acq: 6 Apr 2018 21:57

Tgt Ion:112 Resp: 315408
Ion Ratio Lower Upper
112 100
64 71.7 56.3 84.5
63 41.6 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: 124.351 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

Instrument :

BNA_G

ClientSampleId :

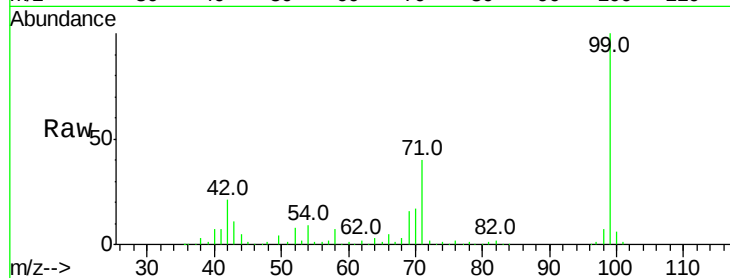
Tot Ion: 99 Resp: 420377

Ion Ratio Lower Upper

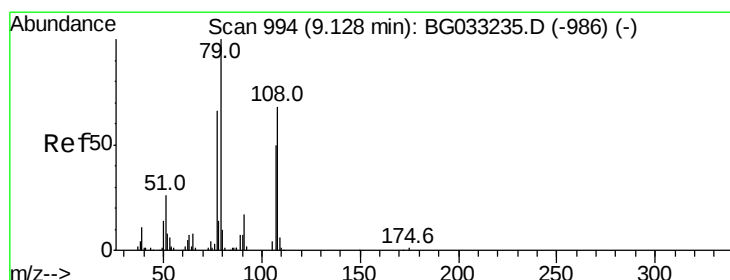
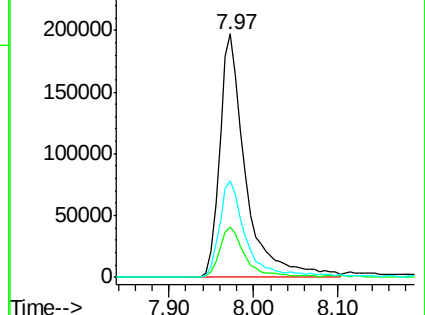
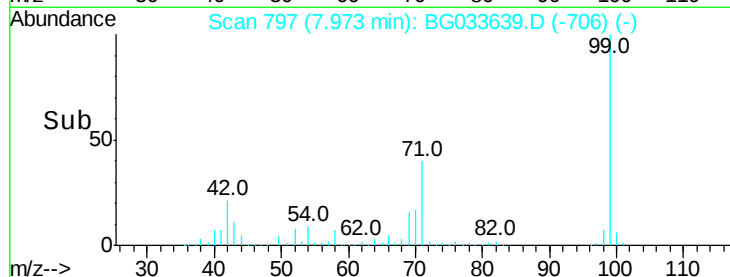
99 100

42 20.8 14.1 21.1

71 39.7 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: 2.434 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

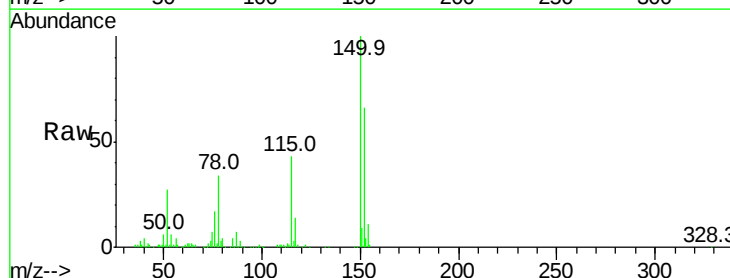
Tgt Ion: 79 Resp: 6479

Ion Ratio Lower Upper

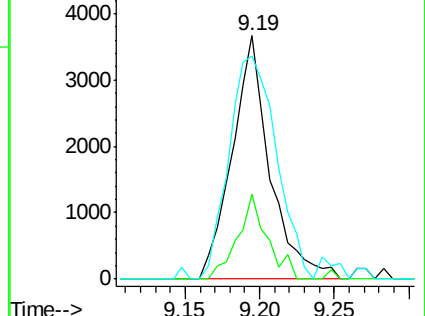
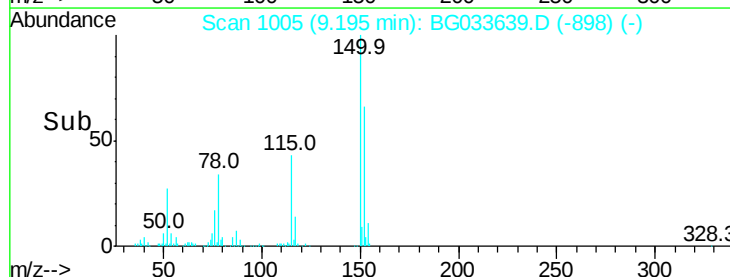
79 100

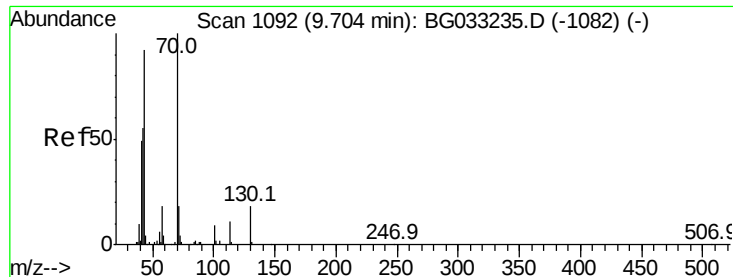
108 34.9 57.2 85.8#

77 91.4 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

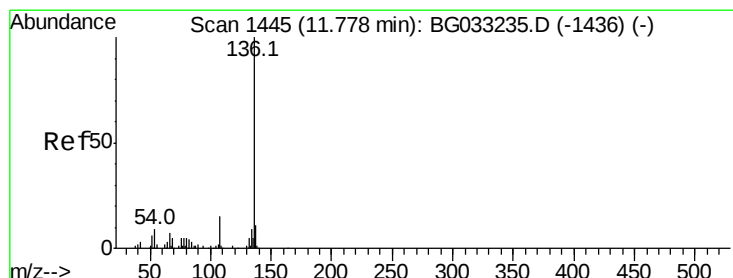
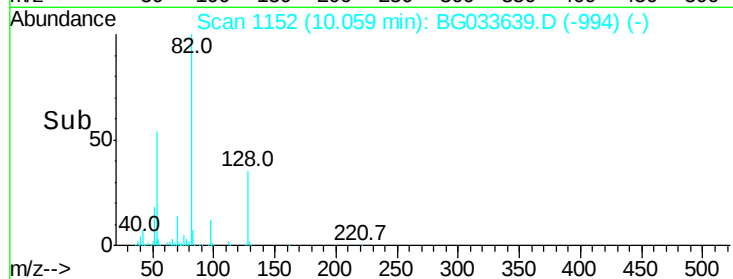
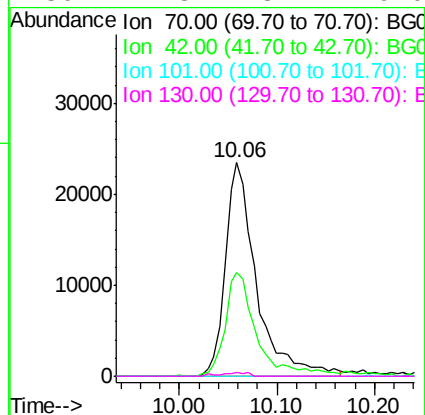
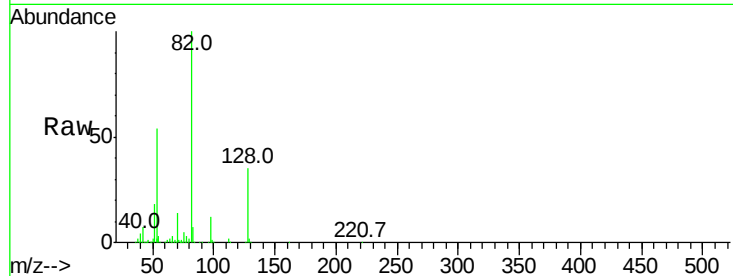




#19
n-Nitroso-di-n-propylamine
Concen: 20.885 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.40 min
Lab File: BG033639.D
Acq: 6 Apr 2018 21:57

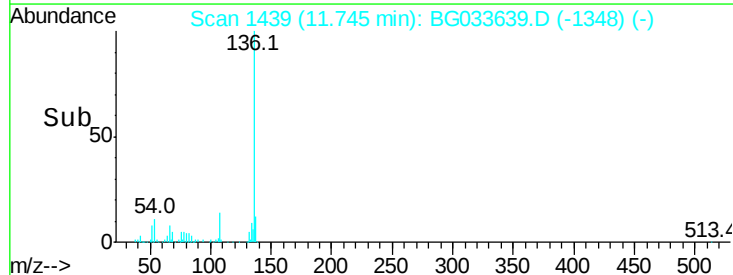
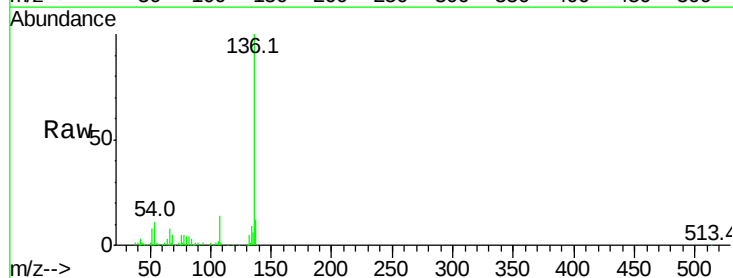
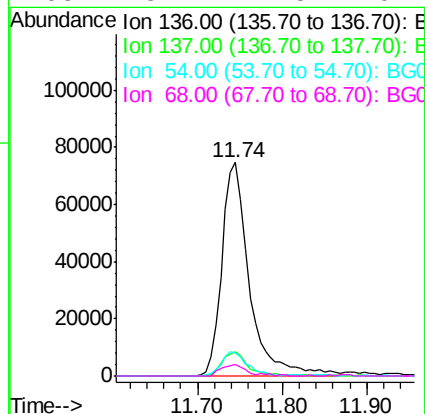
Instrument :
BNA_G
ClientSampleId :

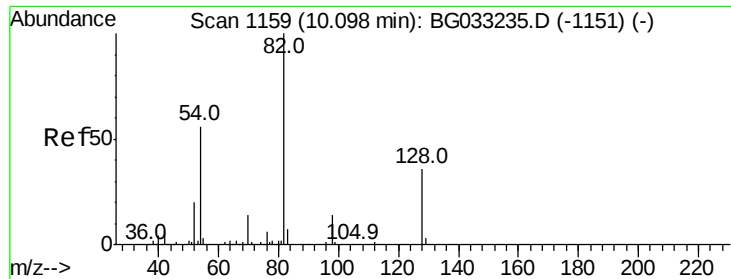
Tot Ion: 70 Resp: 51736
Ion Ratio Lower Upper
70 100
42 48.3 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033639.D
Acq: 6 Apr 2018 21:57

Tgt Ion: 136 Resp: 169399
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 11.1 10.3 15.5
68 5.7 4.5 6.7

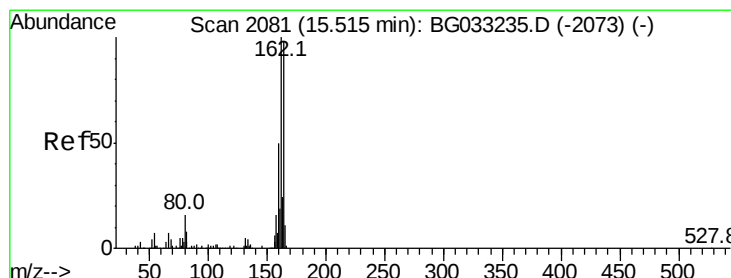
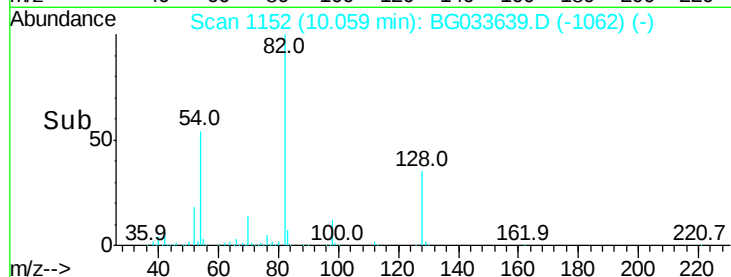
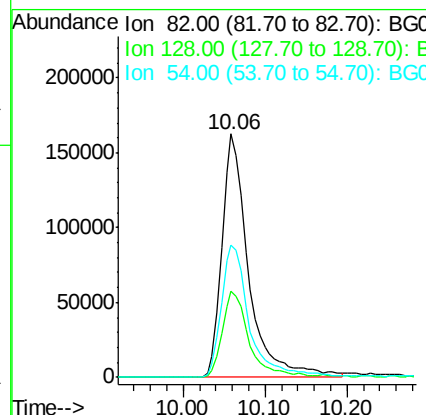
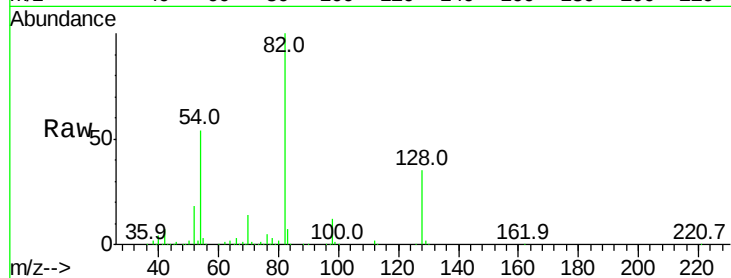




#23
 Nitrobenzene-d5
 Concen: 100.527 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

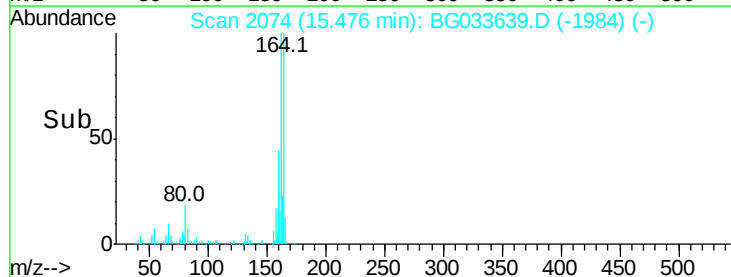
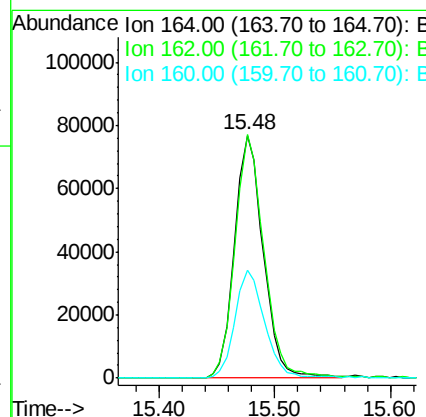
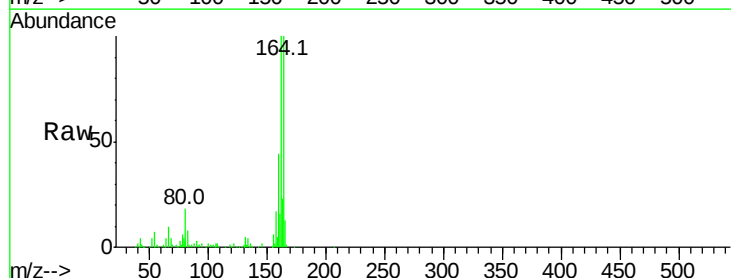
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 370650
 Ion Ratio Lower Upper
 82 100
 128 35.2 29.7 44.5
 54 54.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

Tgt Ion: 164 Resp: 133147
 Ion Ratio Lower Upper
 164 100
 162 100.4 78.8 118.2
 160 44.7 35.4 53.0

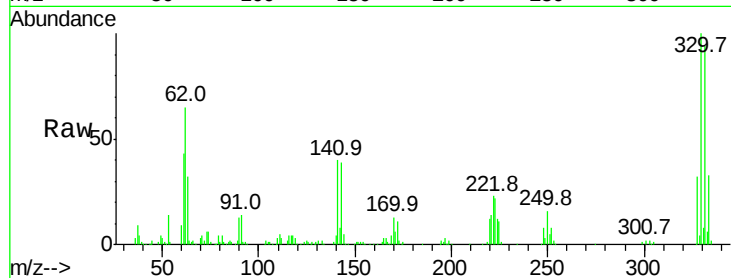




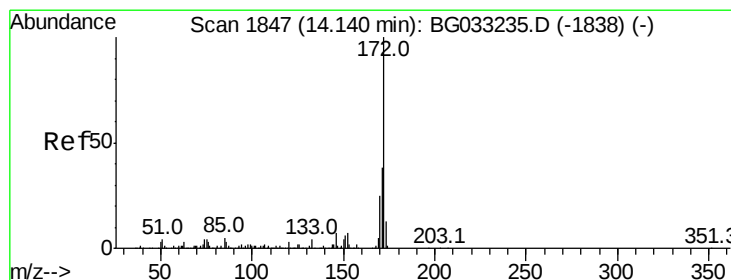
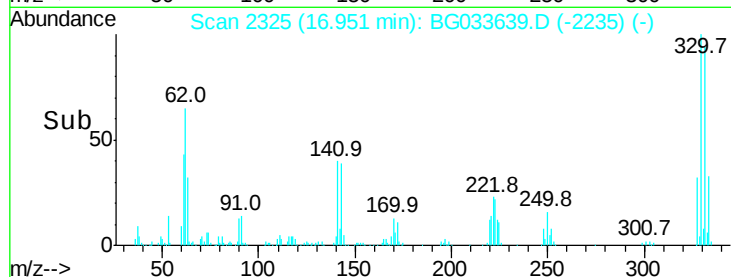
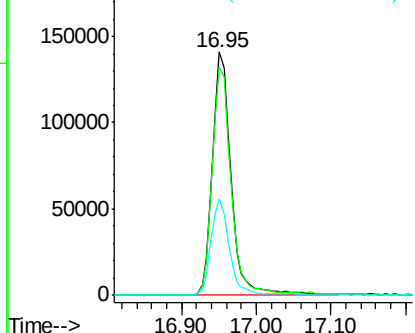
#41
 2,4,6-Tribromophenol
 Concen: 123.626 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 246184
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 38.7 25.2 37.8#

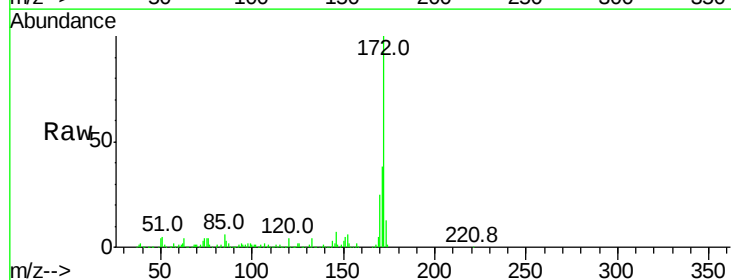


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

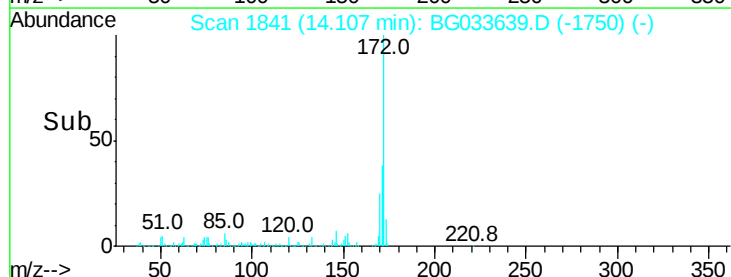
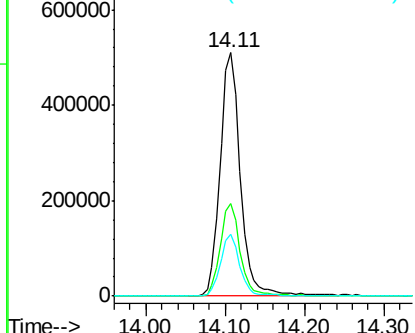


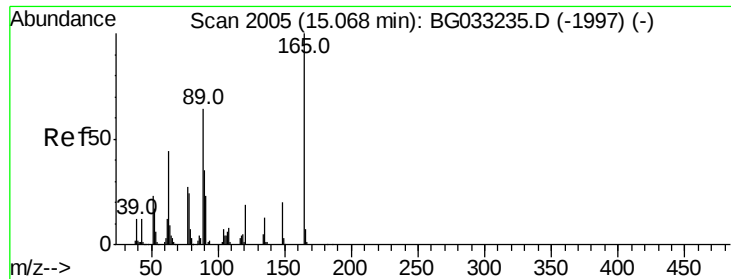
#44
 2-Fluorobiphenyl
 Concen: 98.340 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

Tgt Ion:172 Resp: 906997
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 25.5 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: 7.536 ng

RT: 15.47 min Scan# 2073

Delta R.T. 0.43 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

Instrument :

BNA_G

ClientSampleId :

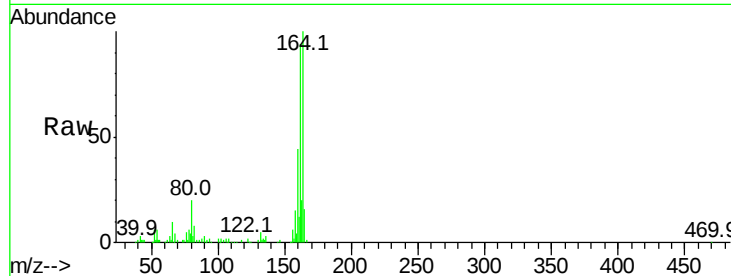
Tot Ion:165 Resp: 17854

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

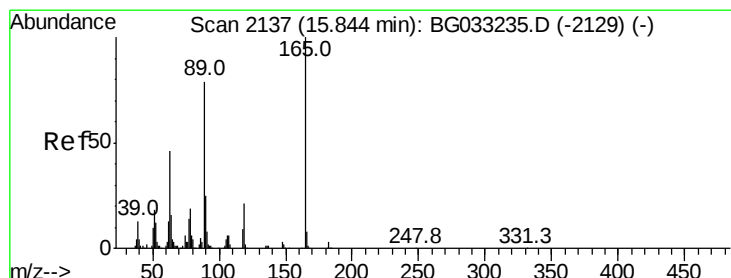
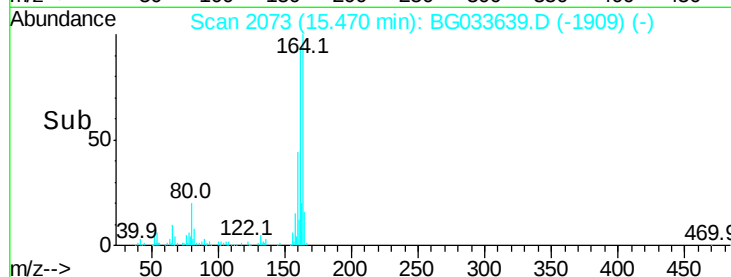
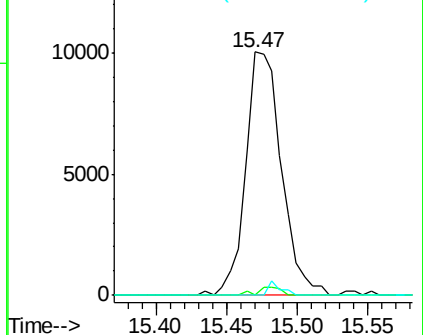
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.118 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.34 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

Tgt Ion:165 Resp: 17854

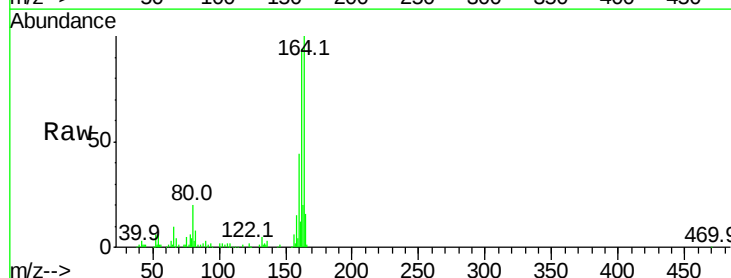
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

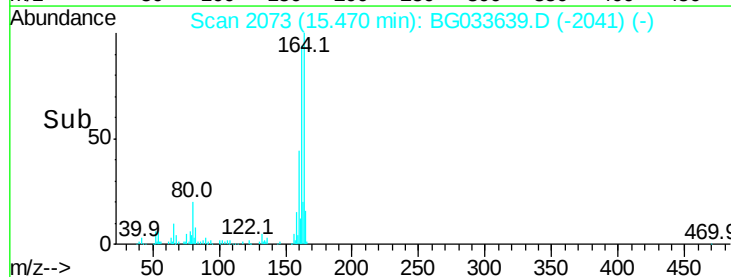
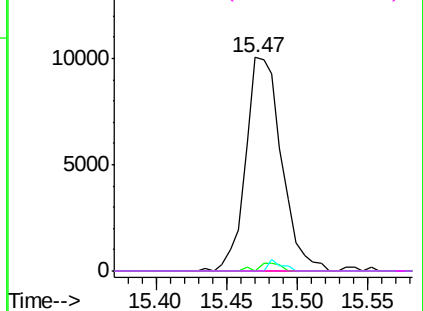


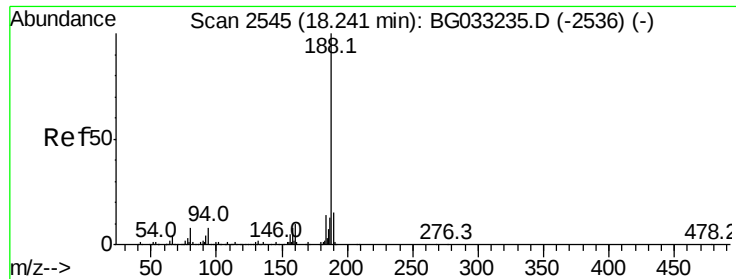
Abundance Ion 165.00 (164.70 to 165.70): E

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

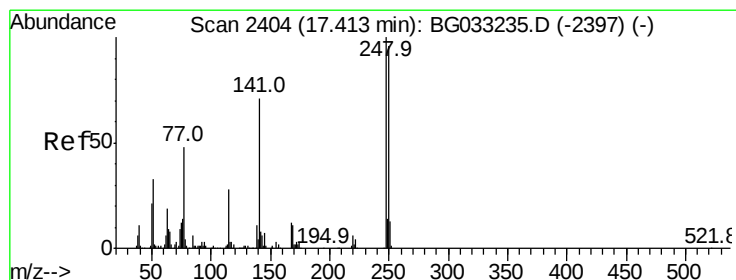
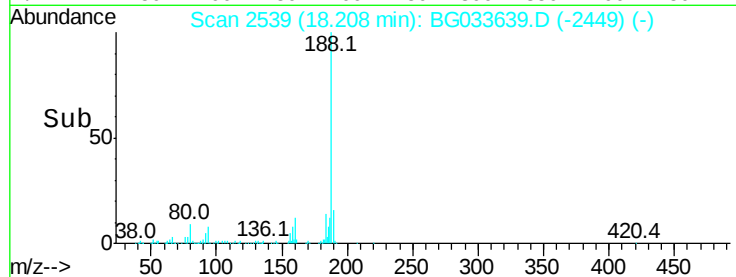
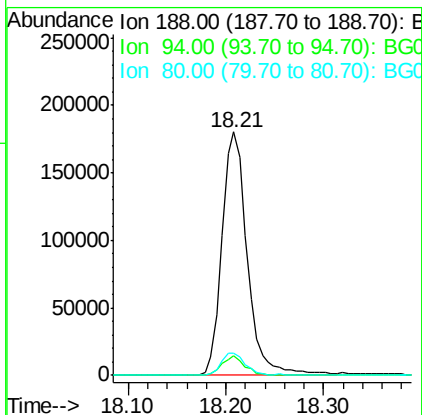
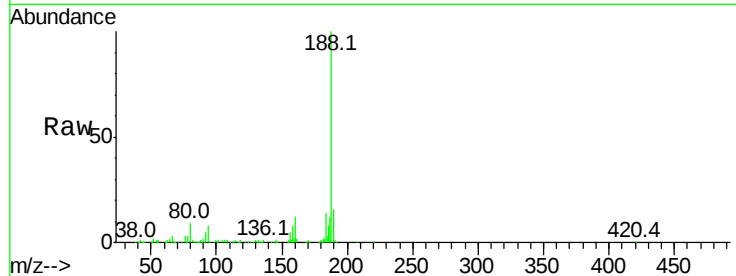




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

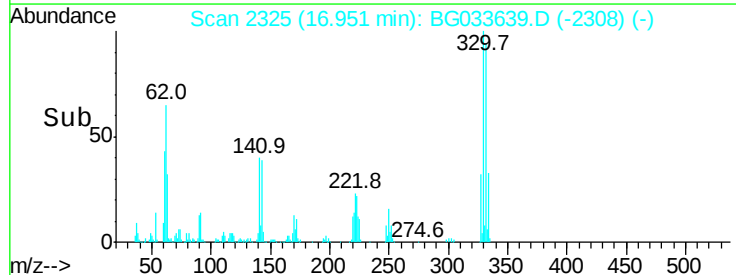
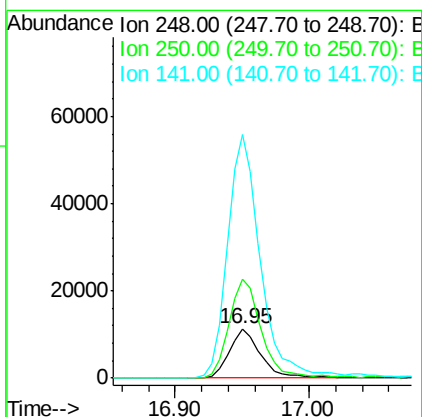
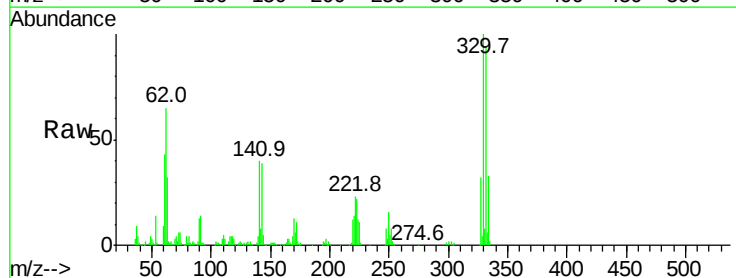
Instrument :
 BNA_G
 ClientSampled :

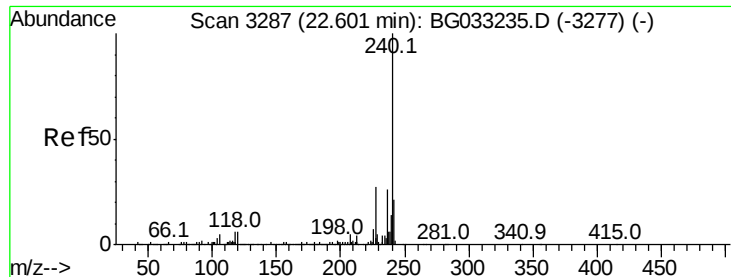
Tot Ion	188	Resp	324230
Ion Ratio	100		
Lower	6.9		
Upper	10.3		
94	8.2		
80	9.1		
7.7			
11.5			



#66
 4-Bromophenyl-phenylether
 Concen: 4.860 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.43 min
 Lab File: BG033639.D
 Acq: 6 Apr 2018 21:57

Tgt Ion	248	Resp	18507
Ion Ratio	100		
Lower	77.1		
Upper	115.7#		
250	199.0		
141	491.3		
50.8			
76.2#			





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

Instrument :

BNA_G

ClientSampleId :

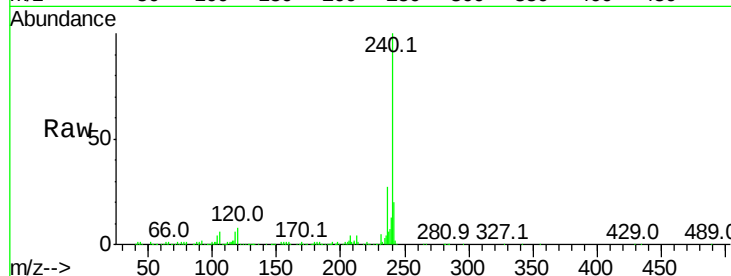
Tot Ion:240 Resp: 332832

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

236 27.2 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

200000

150000

100000

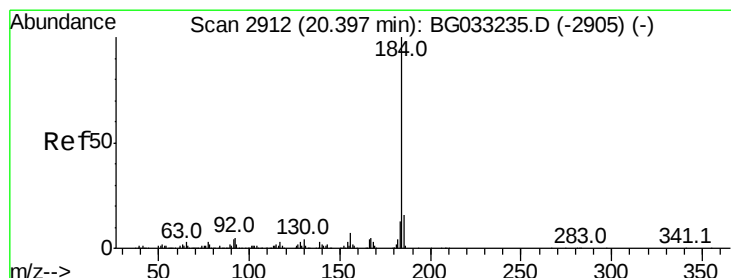
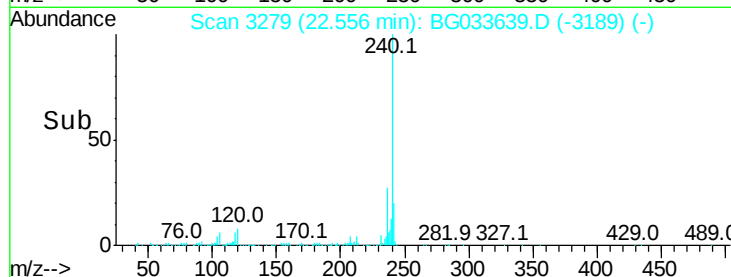
50000

0

22.56

22.40 22.50 22.60 22.70

Time-->



#76

Benzidine

Concen: 4.970 ng

RT: 20.38 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

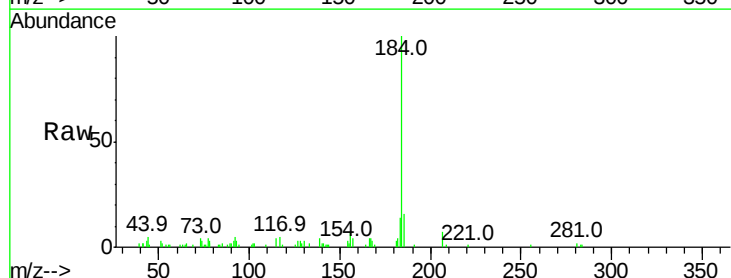
Tgt Ion:184 Resp: 44860

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

183 14.0 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

20000

15000

10000

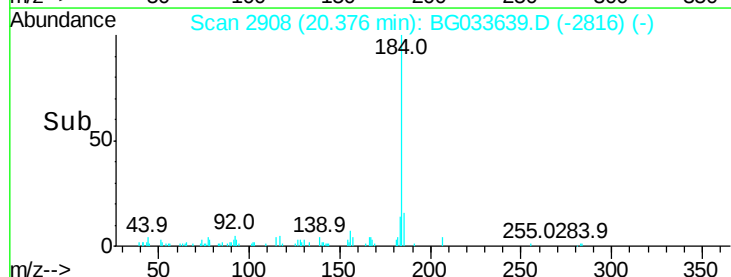
5000

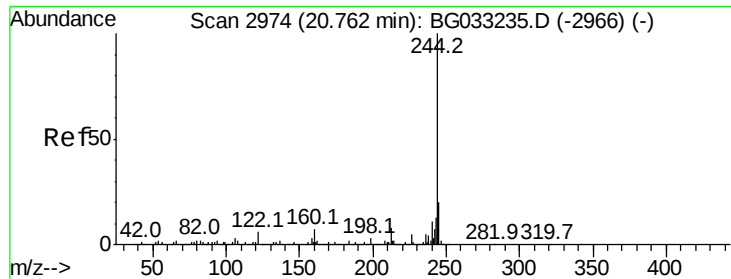
0

20.38

20.30 20.40 20.50

Time-->





#78

Terphenyl-d14

Concen: 99.190 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

Instrument :

BNA_G

ClientSampled :

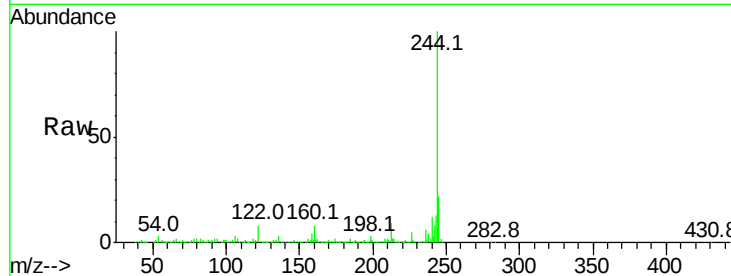
Tot Ion:244 Resp: 1543694

Ion Ratio Lower Upper

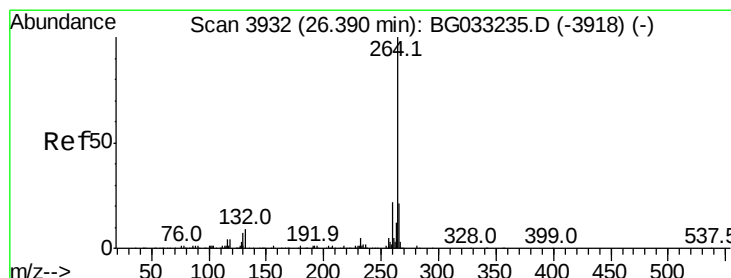
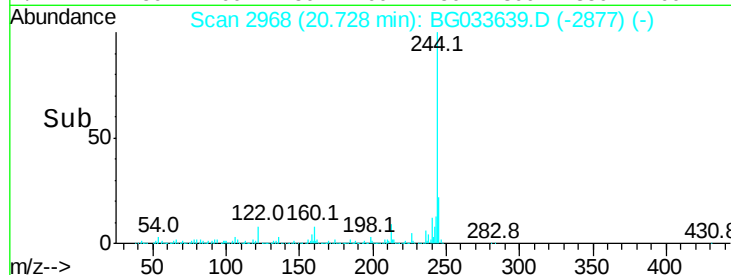
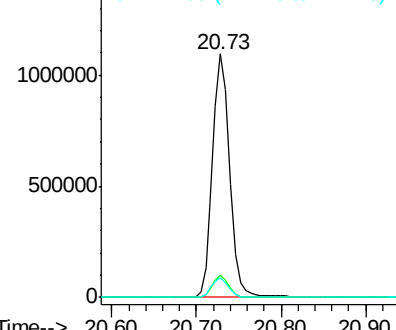
244 100

212 8.9 5.8 8.8#

122 8.1 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: 26.32 min Scan# 3919

Delta R.T. -0.00 min

Lab File: BG033639.D

Acq: 6 Apr 2018 21:57

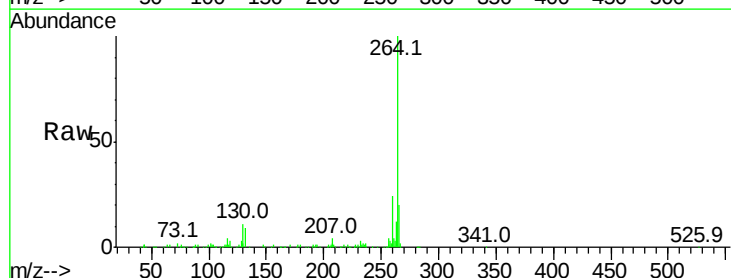
Tgt Ion:264 Resp: 312822

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 20.1 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

