

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033638.D
 Acq On : 6 Apr 2018 21:20
 Operator : SJ/JU
 Sample : J2223-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 07 00:52:52 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

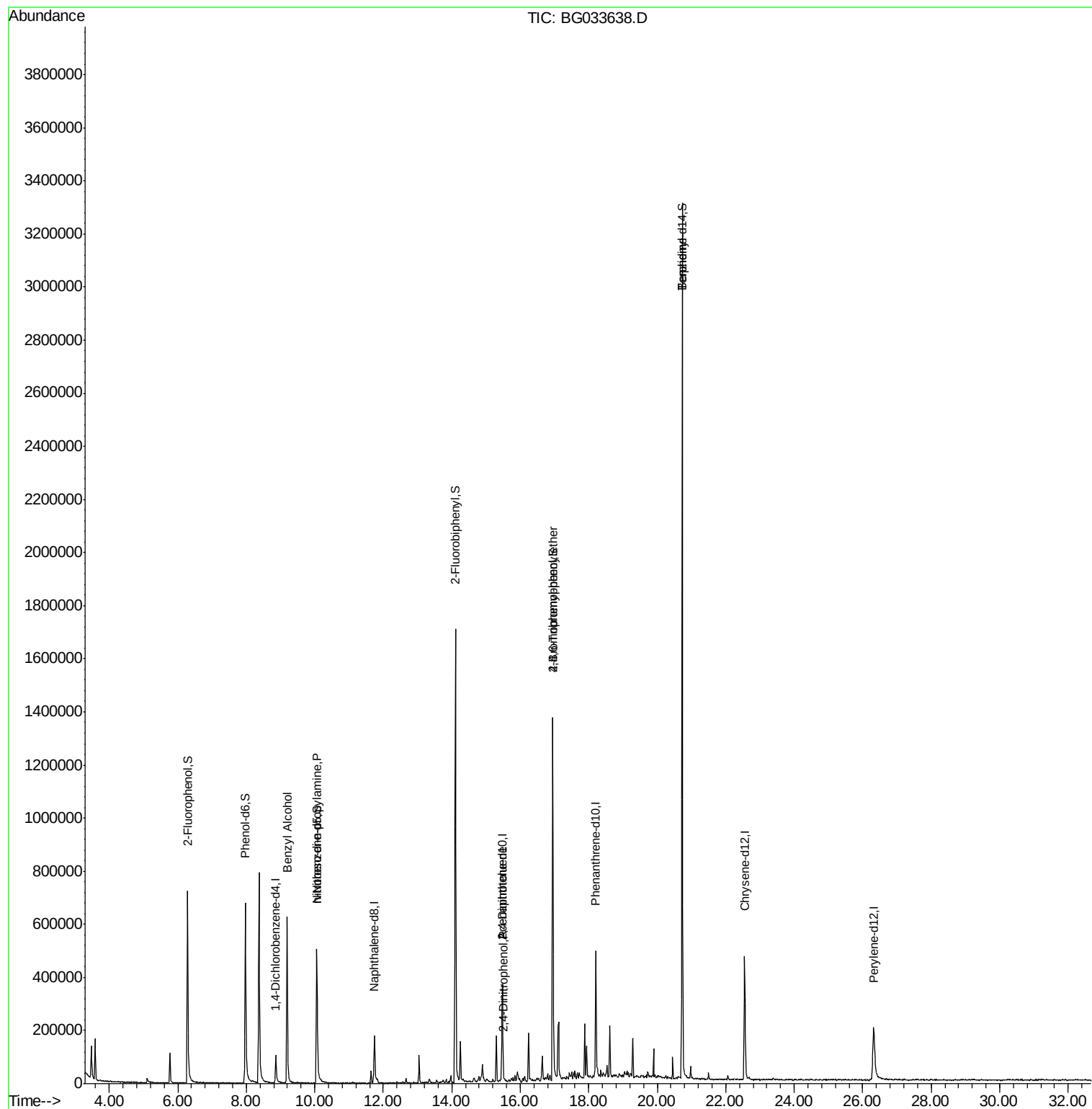
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	39526	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	180464	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	139657	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	332906	20.00	ng	0.00
75) Chrysene-d12	22.55	240	344377	20.00	ng	0.00
86) Perylene-d12	26.32	264	333199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	344244	163.31	ng	0.00
7) Phenol-d6	7.97	99	486934	134.44	ng	0.00
23) Nitrobenzene-d5	10.06	82	399851	101.80	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	269686	129.11	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	951552	98.36	ng	0.00
78) Terphenyl-d14	20.73	244	1619188	100.55	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	6090	2.136	ng	# 26
19) n-Nitroso-di-n-propylamine	10.06	70	51038	19.231	ng	# 78
53) 2,4-Dinitrophenol	15.52	184	61	7.686	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	19020	5.198	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	21090	5.394	ng	# 1
76) Benzidine	20.73	184	28263	3.026	ng	# 95

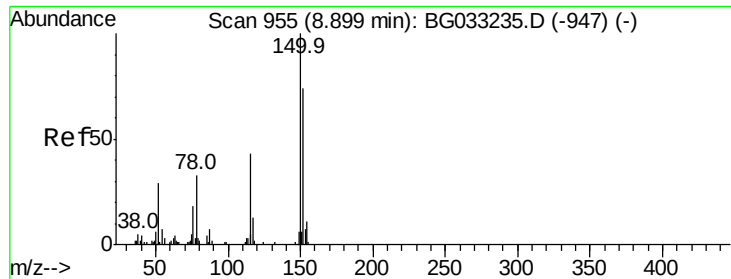
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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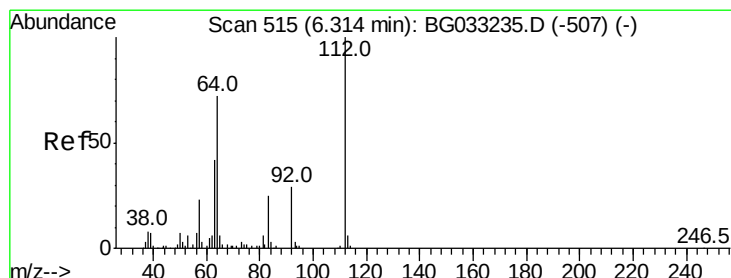
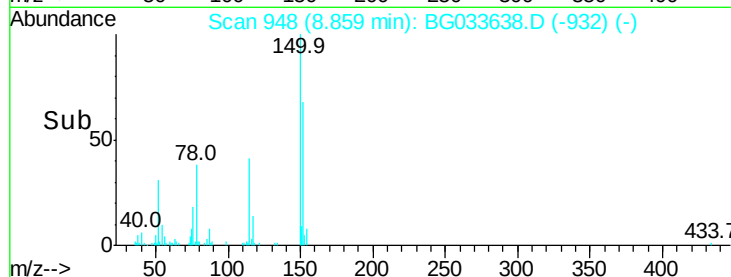
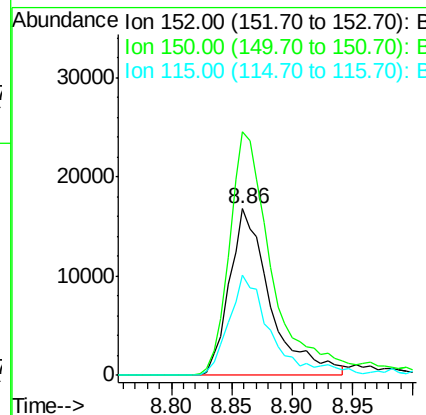
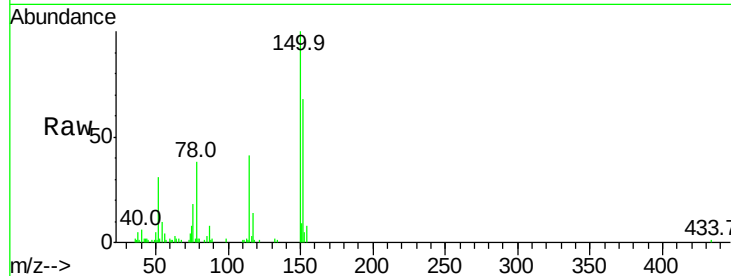


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.00 min
Lab File: BG033638.D
Acq: 6 Apr 2018 21:20

Instrument :
BNA_G
ClientSampleId :

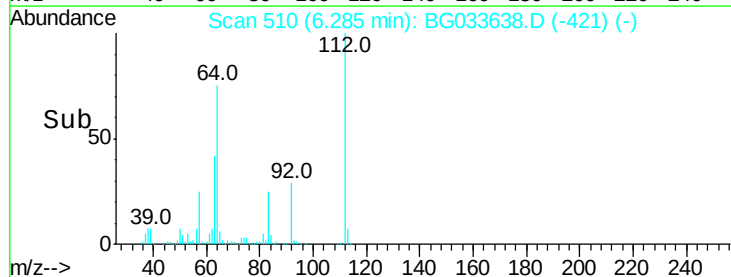
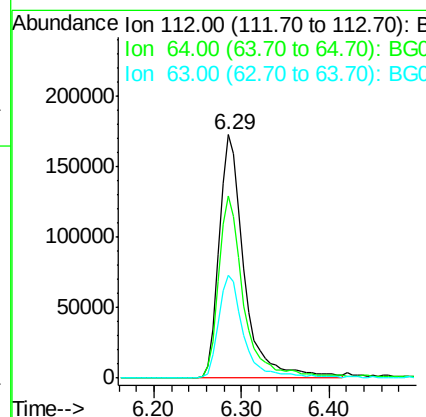
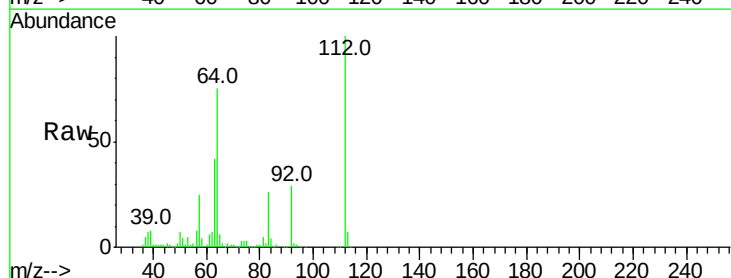
Tot Ion:152 Resp: 39526
Ion Ratio Lower Upper
152 100
150 146.3 126.6 189.8
115 60.2 53.0 79.4

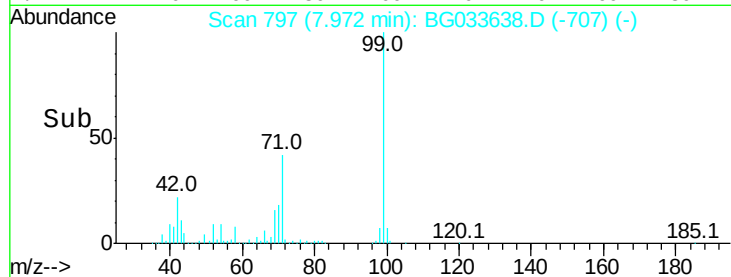
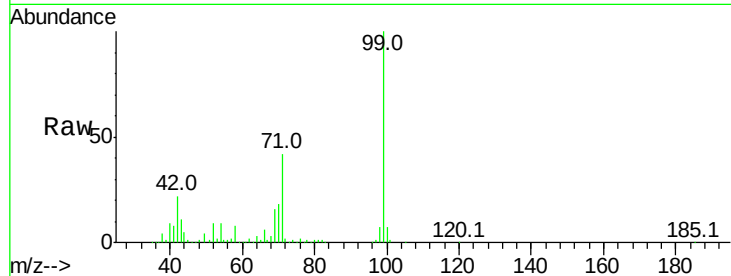
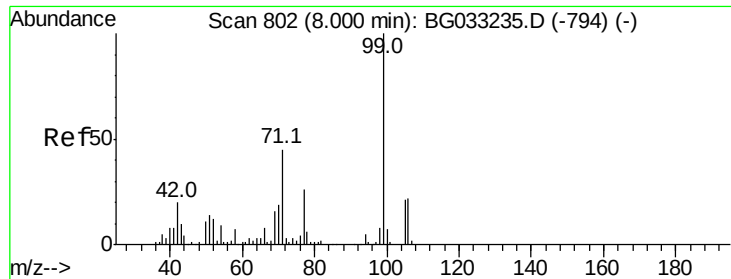


#5

2-Fluorophenol
Concen: 163.310 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.00 min
Lab File: BG033638.D
Acq: 6 Apr 2018 21:20

Tgt Ion:112 Resp: 344244
Ion Ratio Lower Upper
112 100
64 75.0 56.3 84.5
63 42.5 30.1 45.1





#7

Phenol-d6

Concen: 134.444 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

Instrument :

BNA_G

ClientSampleId :

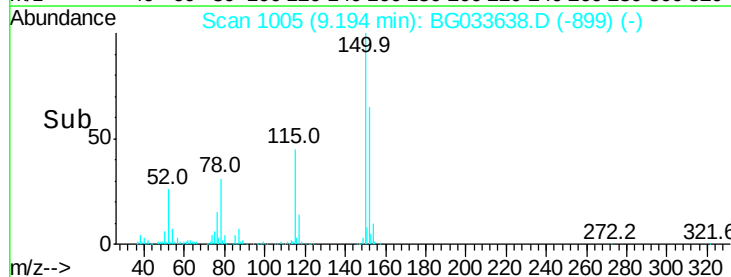
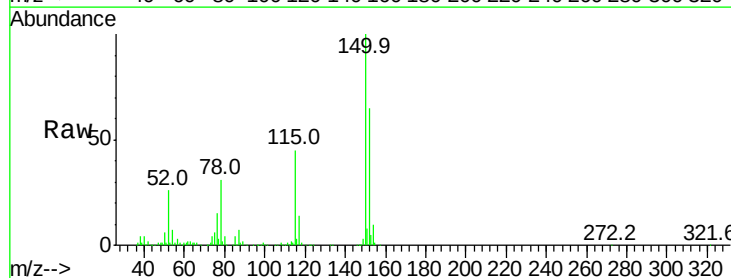
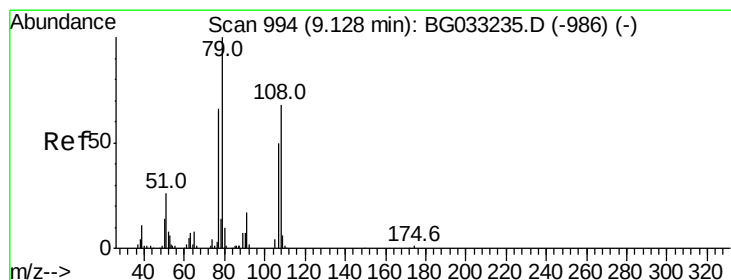
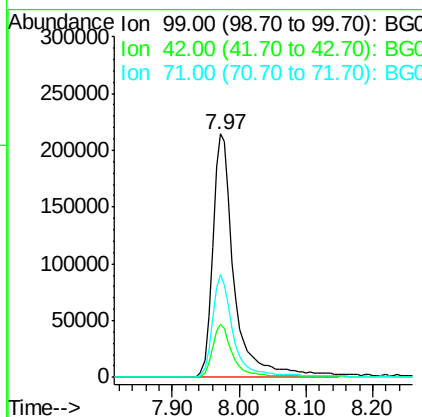
Tot Ion: 99 Resp: 486934

Ion Ratio Lower Upper

99 100

42 21.9 14.1 21.1#

71 42.5 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.136 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

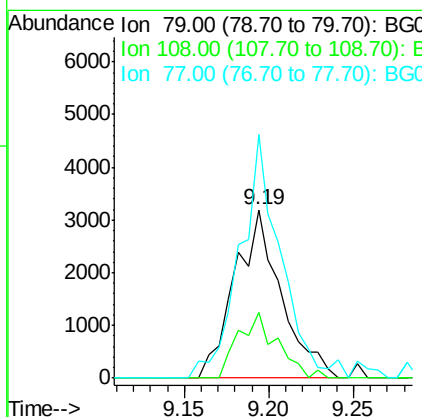
Tgt Ion: 79 Resp: 6090

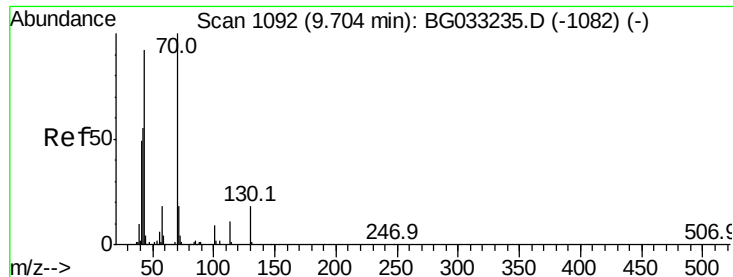
Ion Ratio Lower Upper

79 100

108 39.0 57.2 85.8#

77 144.4 46.1 69.1#

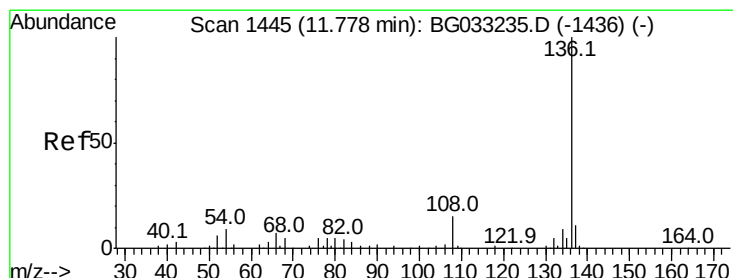
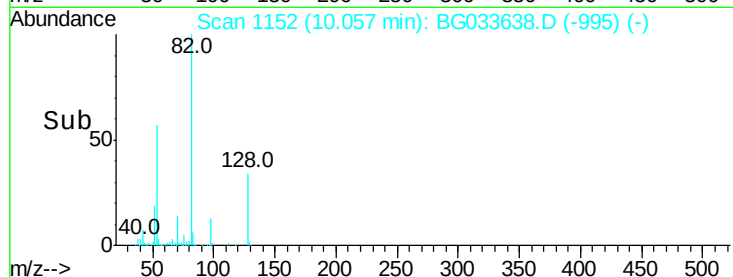
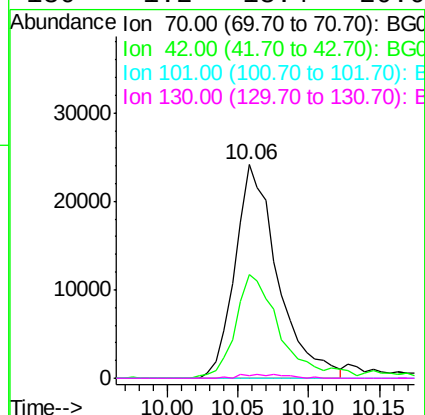
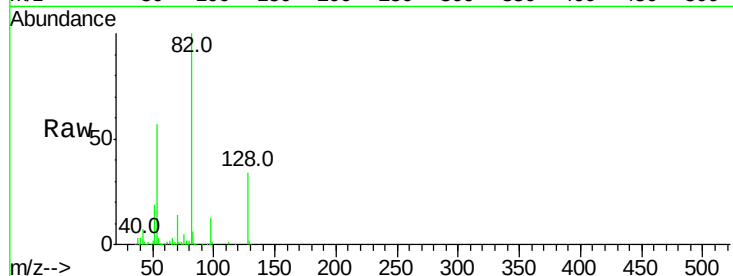




#19
n-Nitroso-di-n-propylamine
Concen: 19.231 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033638.D
Acq: 6 Apr 2018 21:20

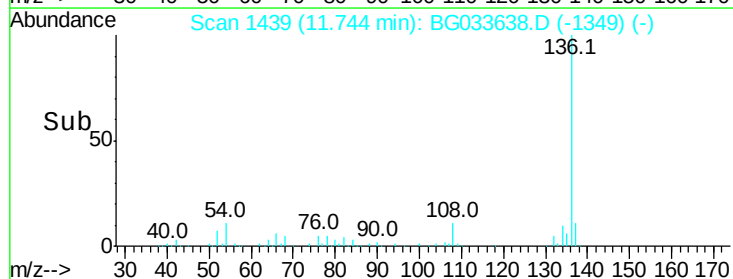
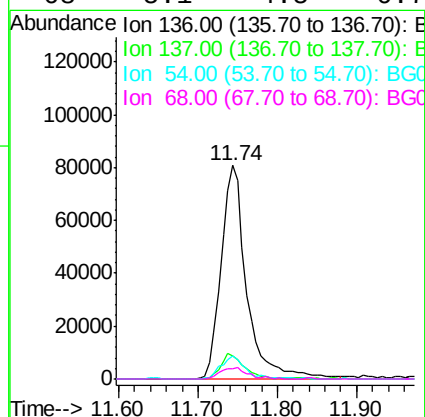
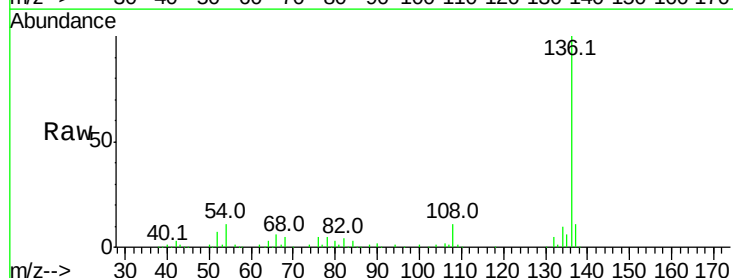
Instrument :
BNA_G
ClientSampleId :

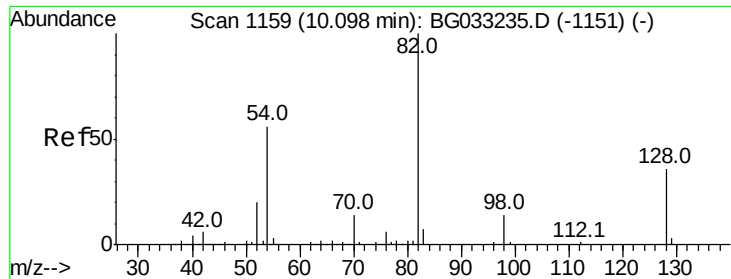
Tot Ion: 70 Resp: 51038
Ion Ratio Lower Upper
70 100
42 48.4 49.1 73.7#
101 0.0 8.5 12.7#
130 1.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033638.D
Acq: 6 Apr 2018 21:20

Tgt Ion: 136 Resp: 180464
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 11.1 10.3 15.5
68 5.1 4.5 6.7

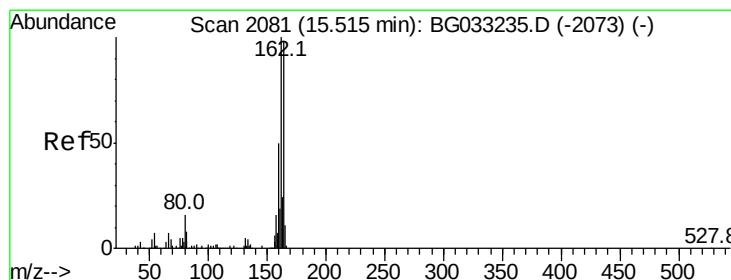
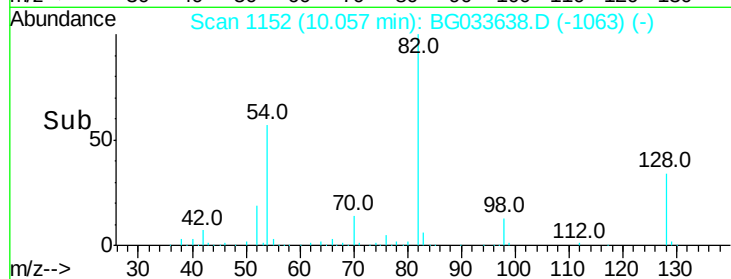
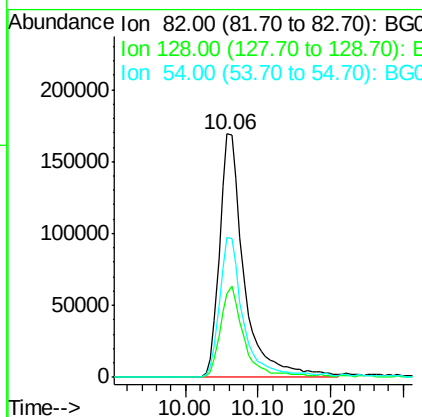
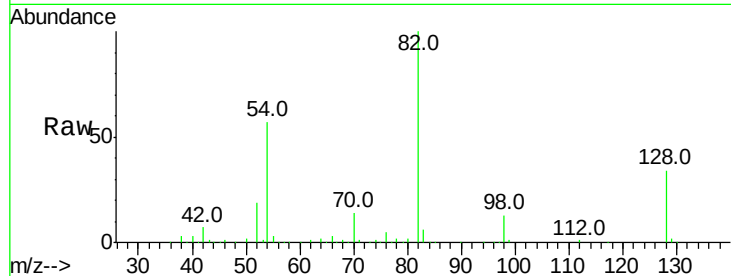




#23
 Nitrobenzene-d5
 Concen: 101.797 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

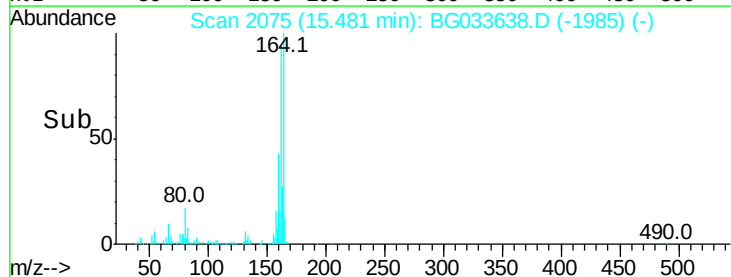
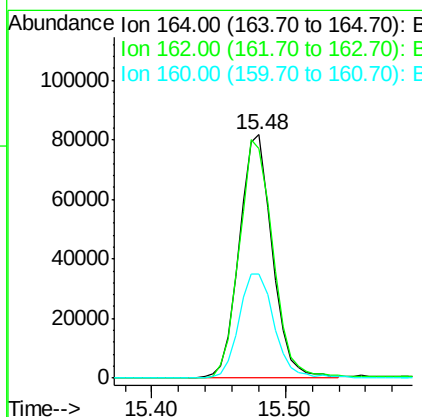
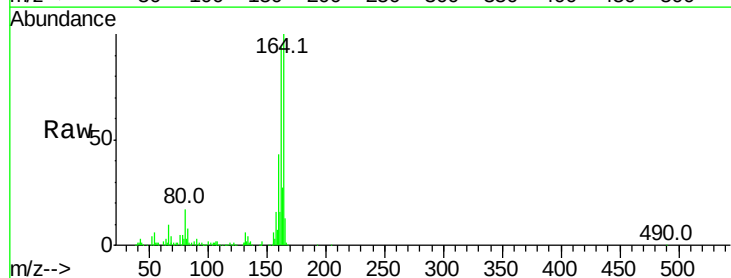
Instrument :
 BNA_G
 ClientSampleId :

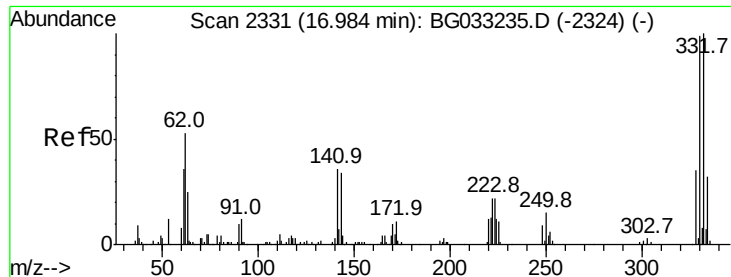
Tot Ion: 82 Resp: 399851
 Ion Ratio Lower Upper
 82 100
 128 34.3 29.7 44.5
 54 57.4 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

Tgt Ion:164 Resp: 139657
 Ion Ratio Lower Upper
 164 100
 162 94.2 78.8 118.2
 160 43.0 35.4 53.0

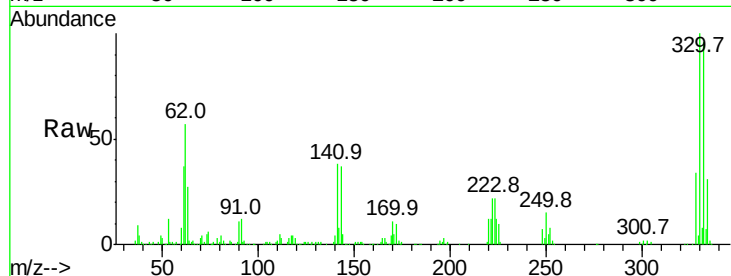




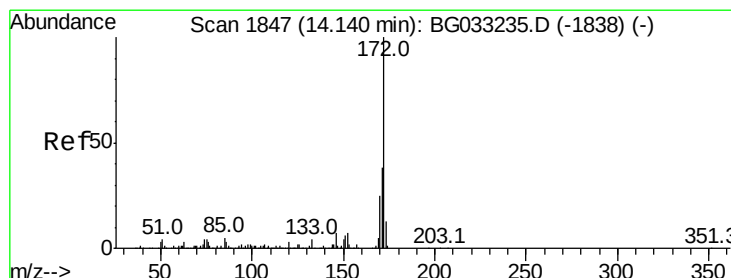
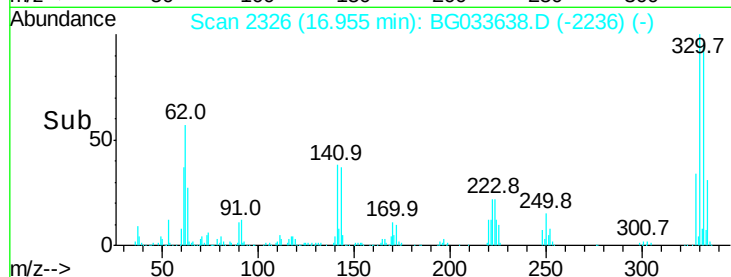
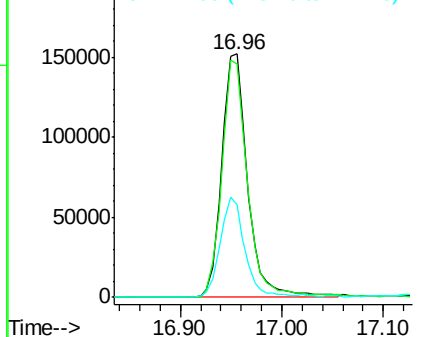
#41
 2,4,6-Tribromophenol
 Concen: 129.115 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	39.4	25.2	37.8#

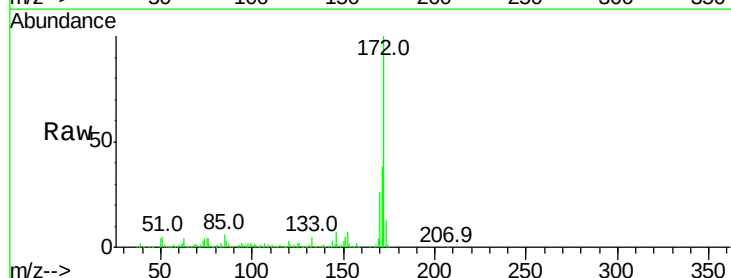


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

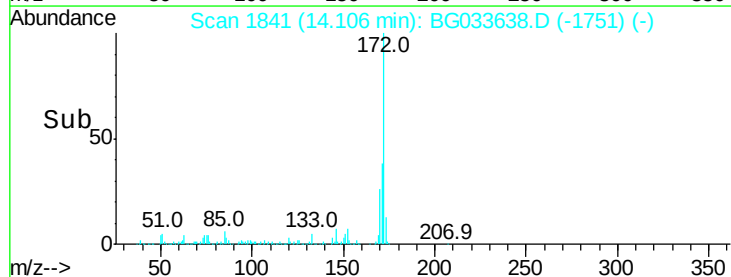
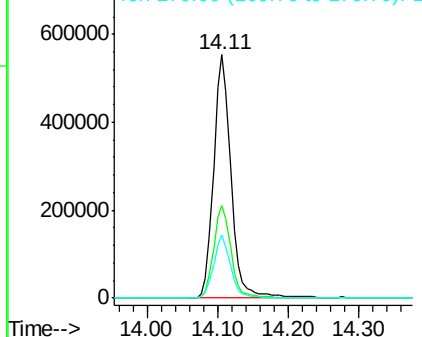


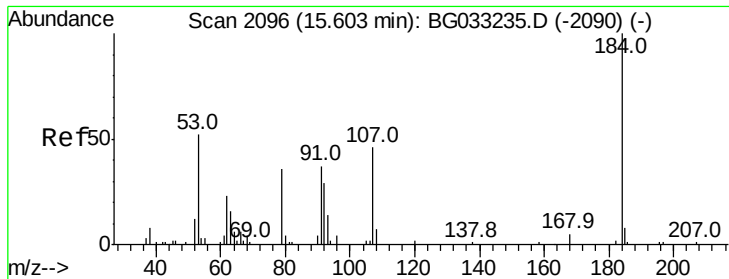
#44
 2-Fluorobiphenyl
 Concen: 98.362 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	25.7	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

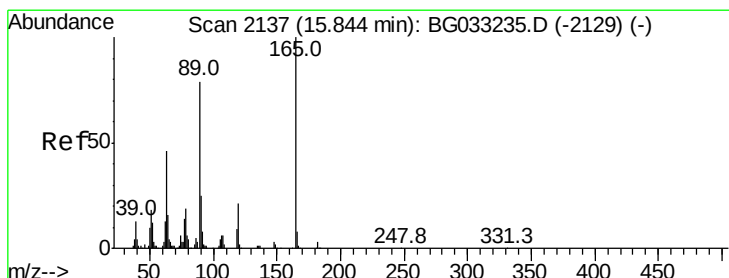
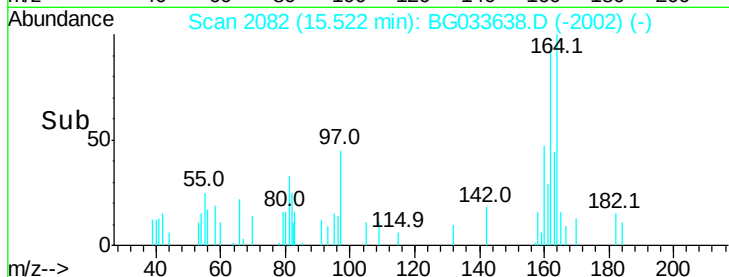
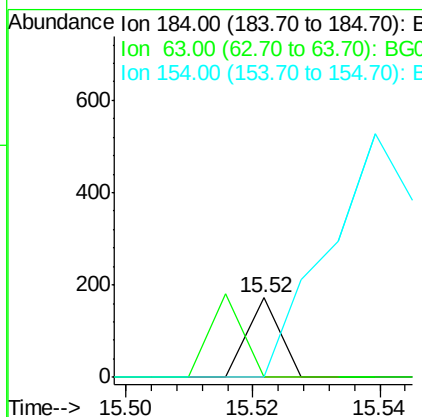
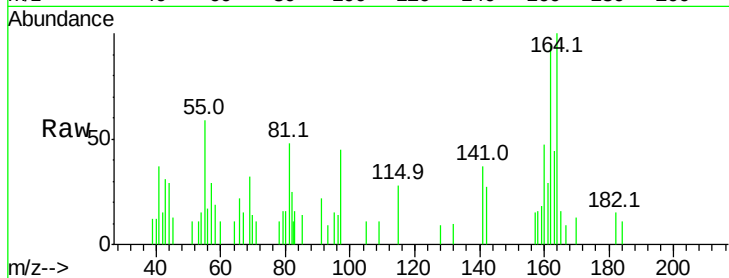




#53
 2,4-Dinitrophenol
 Concen: 7.686 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.06 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

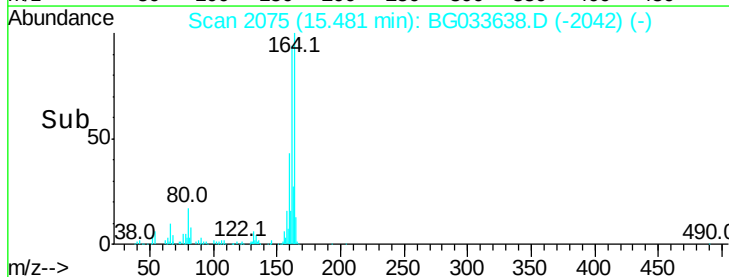
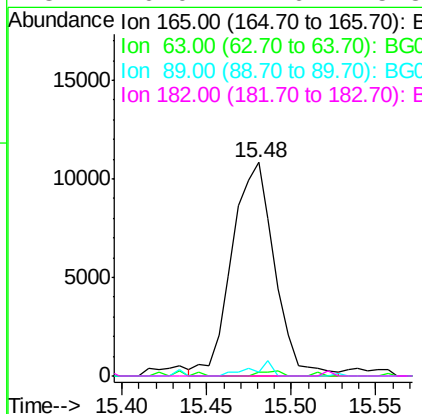
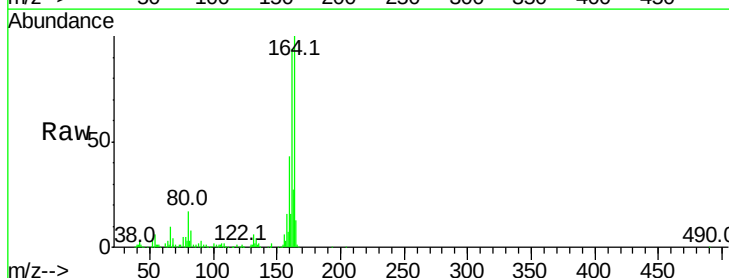
Instrument :
 BNA_G
 ClientSampleId :

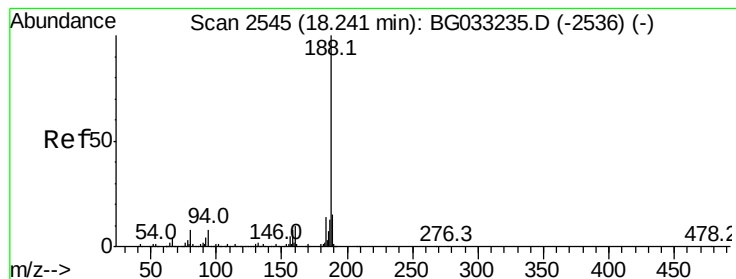
Tot Ion:184 Resp: 61
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.198 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.33 min
 Lab File: BG033638.D
 Acq: 6 Apr 2018 21:20

Tgt Ion:165 Resp: 19020
 Ion Ratio Lower Upper
 165 100
 63 1.6 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

Instrument :

BNA_G

ClientSampleId :

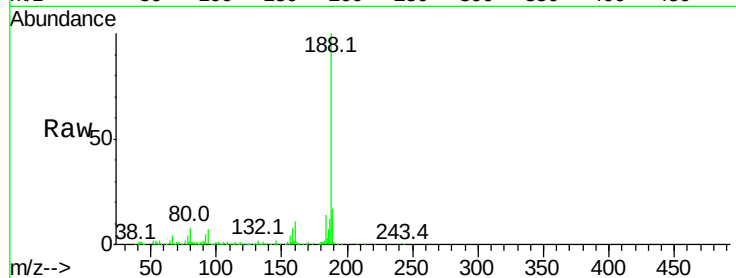
Tot Ion:188 Resp: 332906

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

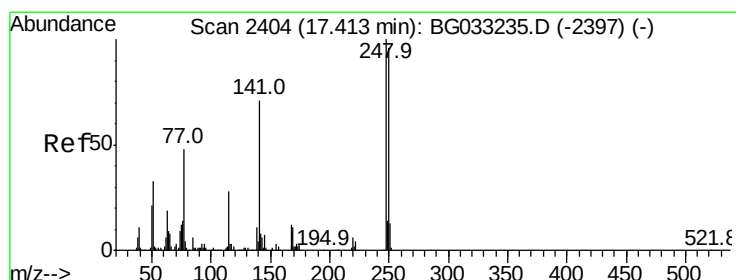
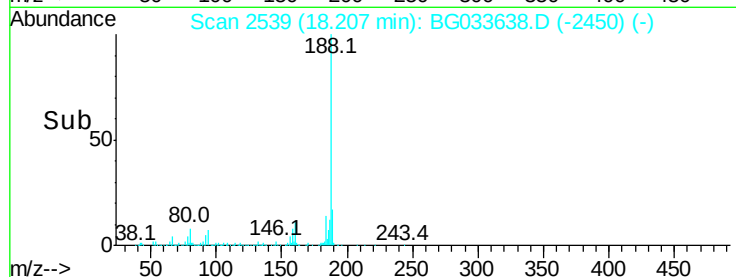
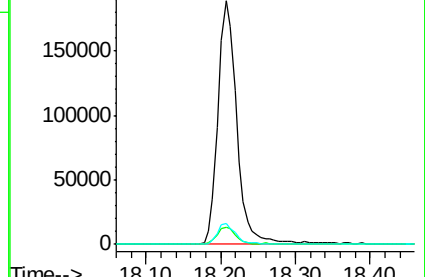
80 8.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 5.394 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

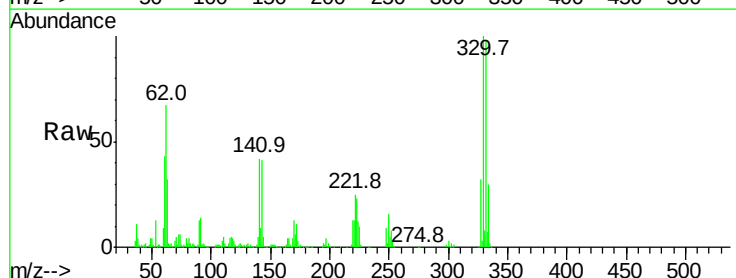
Tgt Ion:248 Resp: 21090

Ion Ratio Lower Upper

248 100

250 178.5 77.1 115.7#

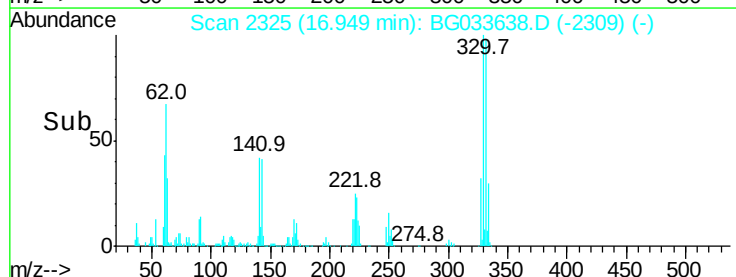
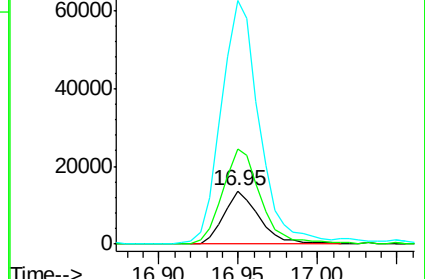
141 459.3 50.8 76.2#

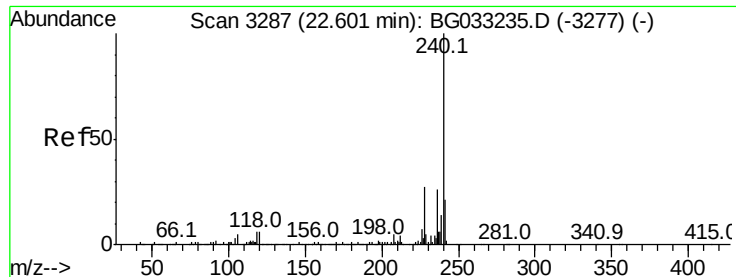


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

Instrument :

BNA_G

ClientSampleId :

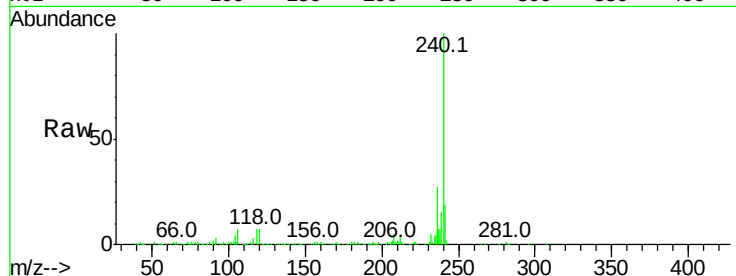
Tot Ion:240 Resp: 344377

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

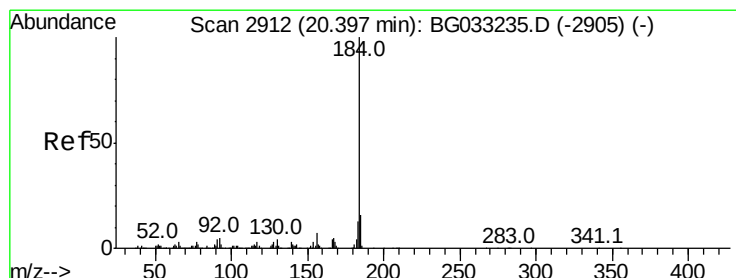
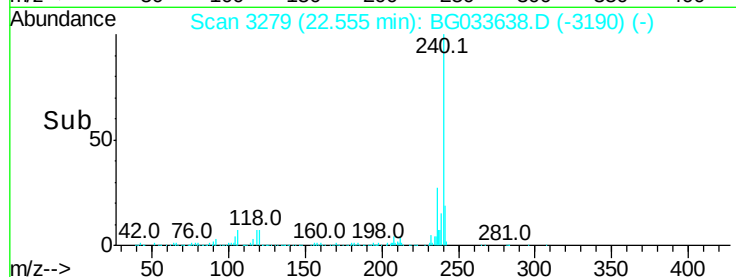
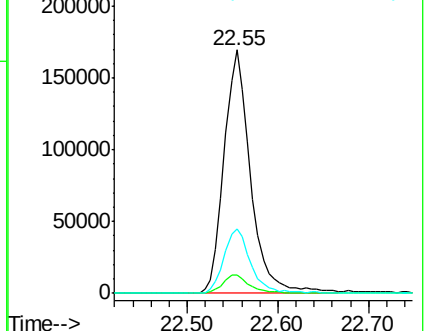
236 26.6 20.9 31.3



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: 3.026 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

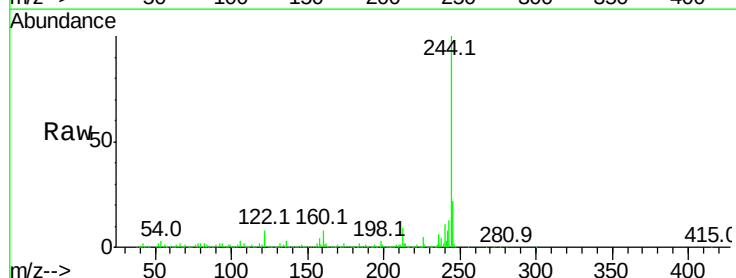
Tgt Ion:184 Resp: 28263

Ion Ratio Lower Upper

184 100

185 13.4 11.1 16.7

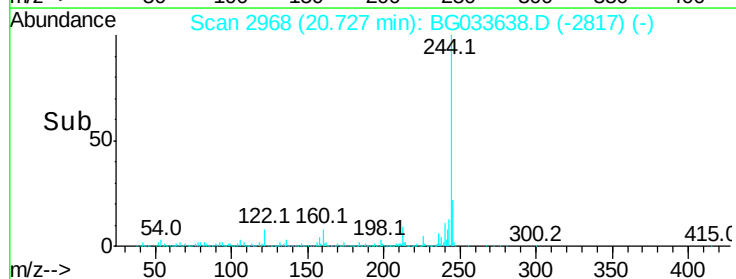
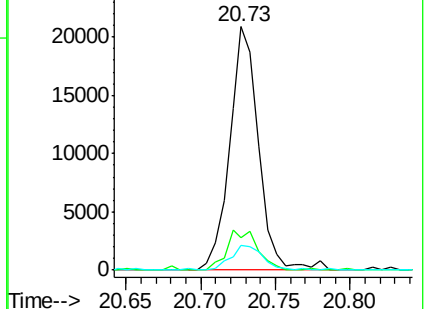
183 9.9 10.6 16.0#

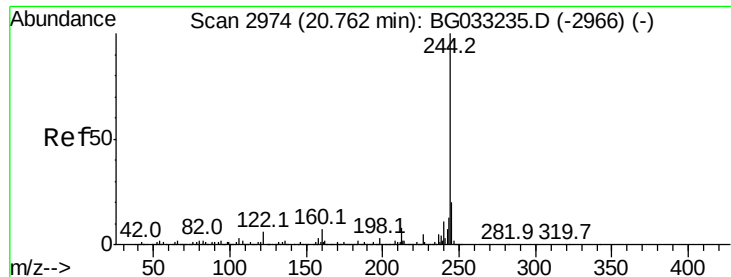


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.553 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033638.D

Acq: 6 Apr 2018 21:20

Instrument :

BNA_G

ClientSampleId :

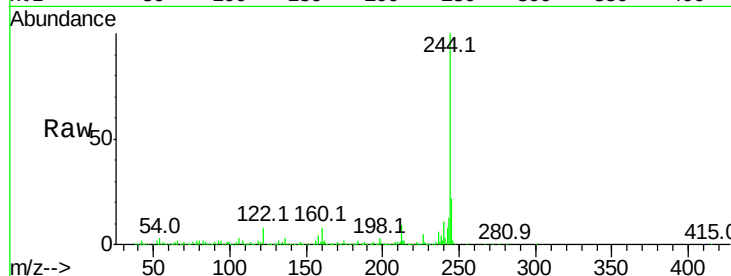
Tot Ion:244 Resp: 1619188

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	8.3	7.0	10.4

244 100

212 8.6 5.8 8.8

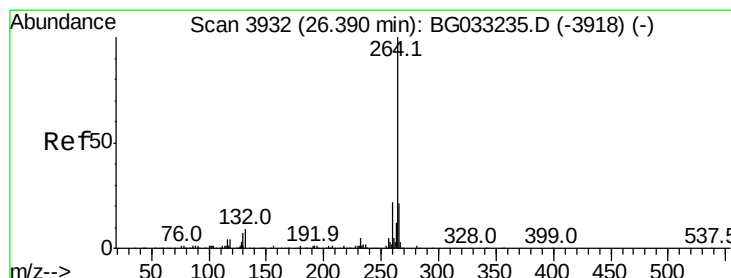
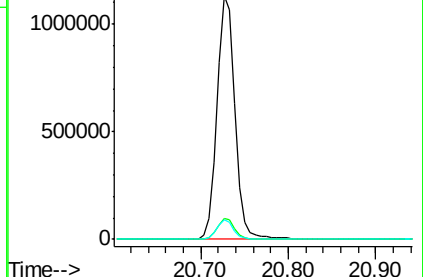
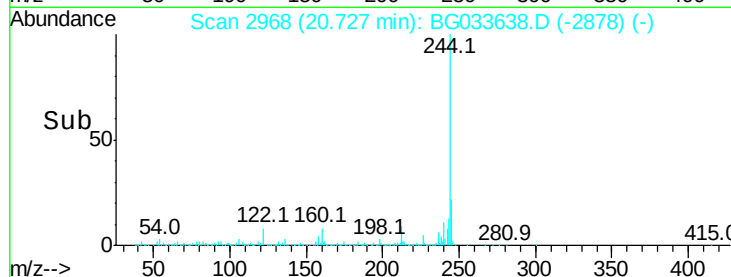
122 8.3 7.0 10.4



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: BG033638.D

Acq: 6 Apr 2018 21:20

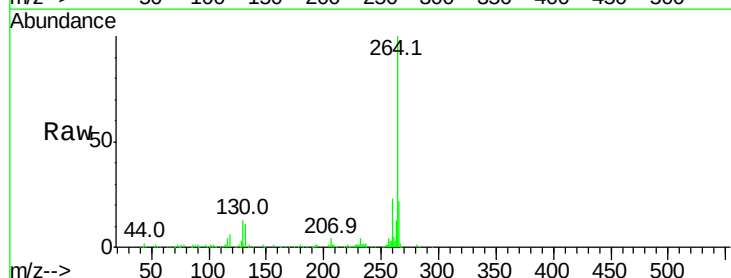
Tgt Ion:264 Resp: 333199

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	22.0	17.7	26.5

264 100

260 22.9 17.4 26.0

265 22.0 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

