

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033683.D
 Acq On : 9 Apr 2018 16:38
 Operator : SJ/JU
 Sample : J2236-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 05:57:08 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

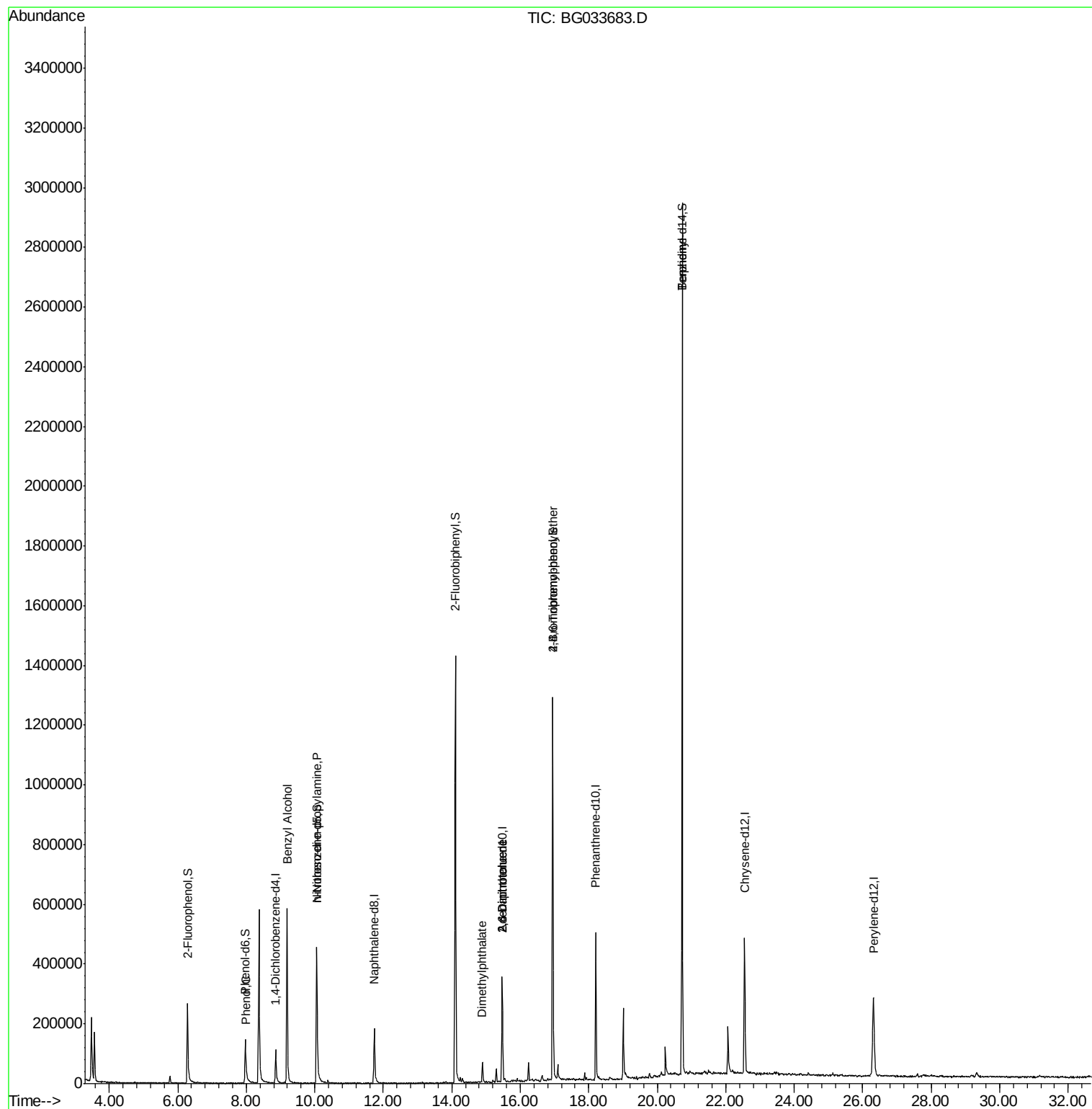
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	38299	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	177503	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	130455	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	322340	20.00	ng	0.00
75) Chrysene-d12	22.55	240	336854	20.00	ng	-0.01
86) Perylene-d12	26.31	264	354117	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	134288	65.75	ng	0.00
7) Phenol-d6	7.97	99	117147	33.38	ng	0.00
23) Nitrobenzene-d5	10.06	82	353967	91.62	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	245103	125.62	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	814413	90.12	ng	0.00
78) Terphenyl-d14	20.73	244	1391152	88.32	ng	0.00
Target Compounds						
10) Phenol	8.01	94	9172	2.647	ng	Qvalue 97
15) Benzyl Alcohol	9.19	79	6923	2.506	ng	# 50
19) n-Nitroso-di-n-propylamine	10.06	70	49259	19.155	ng	# 76
49) Dimethylphthalate	14.90	163	43911	3.868	ng	100
50) 2,6-Dinitrotoluene	15.47	165	16672	7.182	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	16672	4.878	ng	# 17
66) 4-Bromophenyl-phenylether	16.95	248	18841	4.977	ng	# 1
76) Benzidine	20.73	184	24331	2.663	ng	# 91

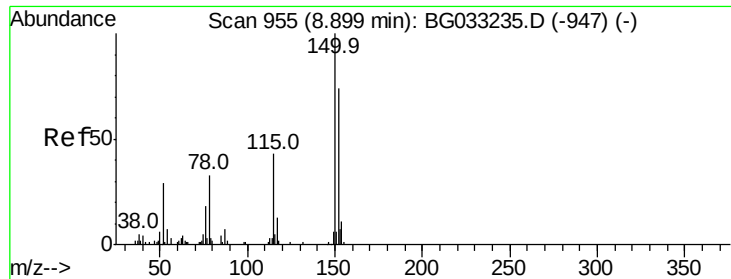
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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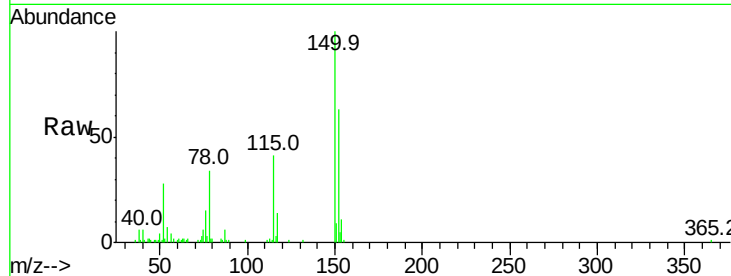


#1

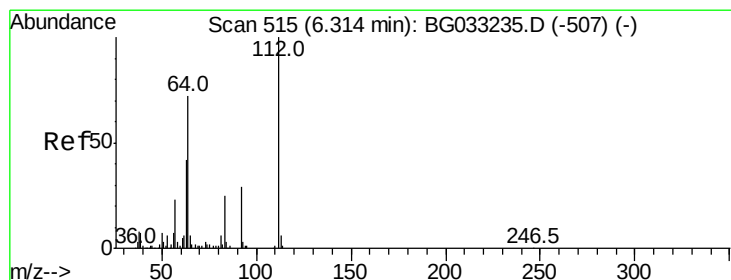
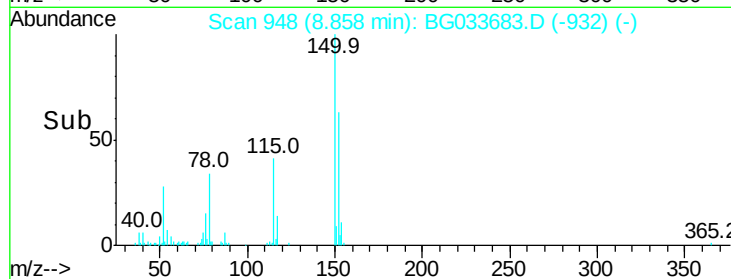
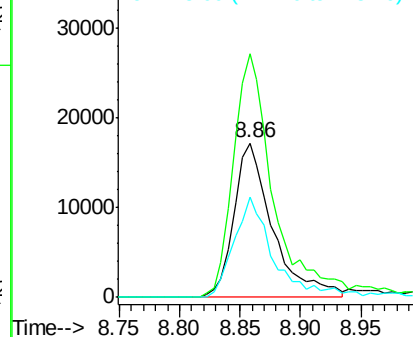
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38299
Ion Ratio Lower Upper
152 100
150 158.0 126.6 189.8
115 65.4 53.0 79.4



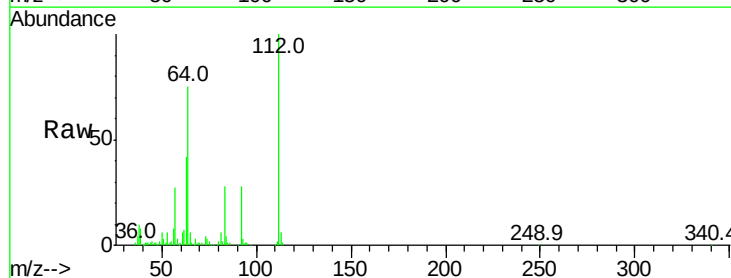
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



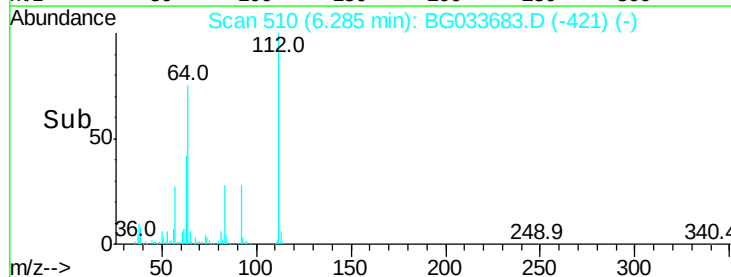
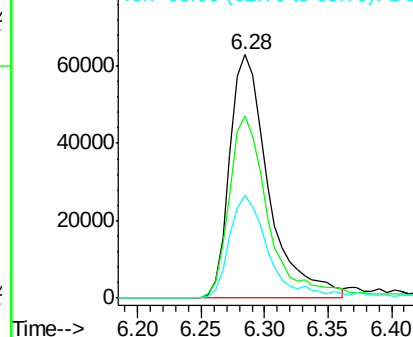
#5

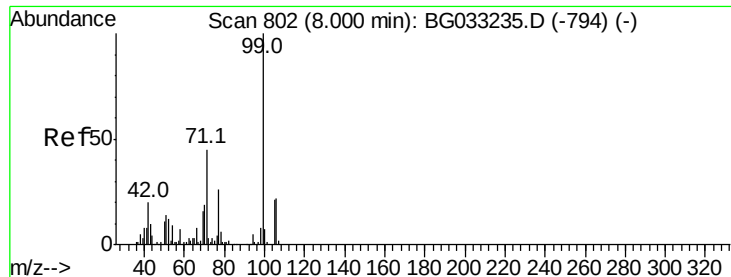
2-Fluorophenol
Concen: 65.747 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Tgt Ion:112 Resp: 134288
Ion Ratio Lower Upper
112 100
64 74.6 56.3 84.5
63 42.1 30.1 45.1



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





#7

Phenol-d6

Concen: 33.381 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Instrument :

BNA_G

ClientSampleId :

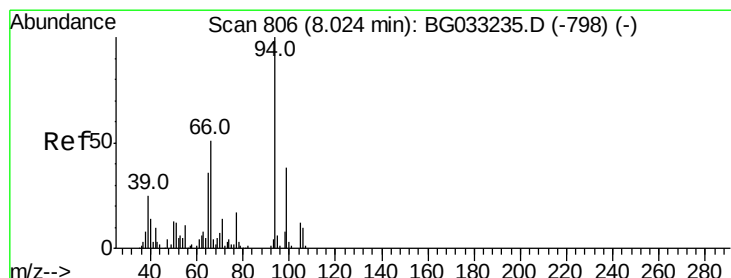
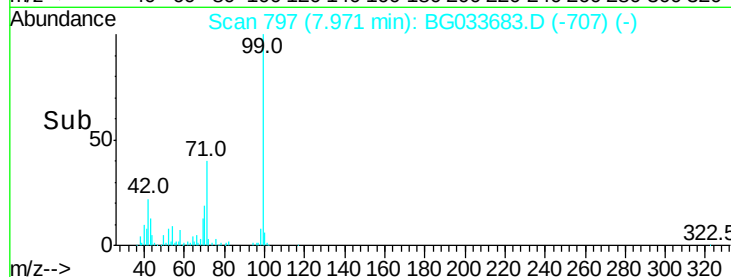
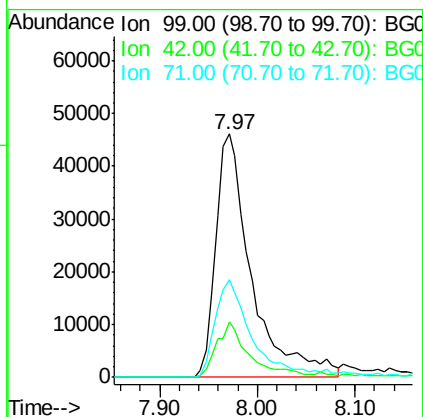
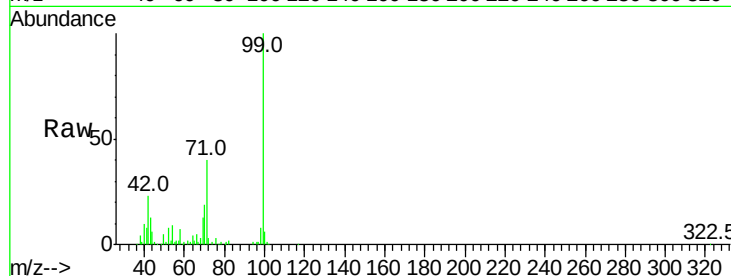
Tot Ion: 99 Resp: 117147

Ion Ratio Lower Upper

99 100

42 22.6 14.1 21.1#

71 40.3 26.1 39.1#



#10

Phenol

Concen: 2.647 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

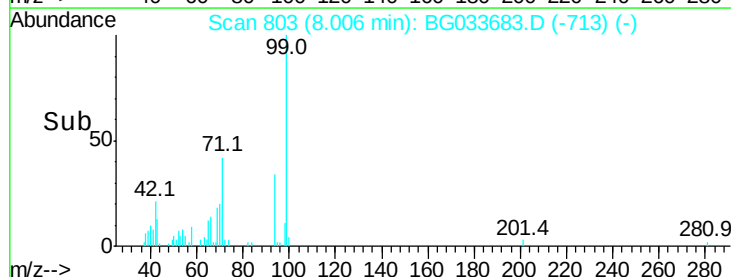
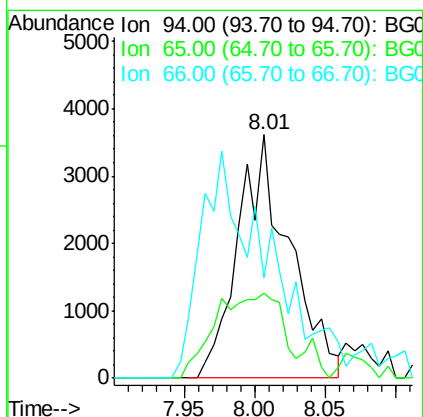
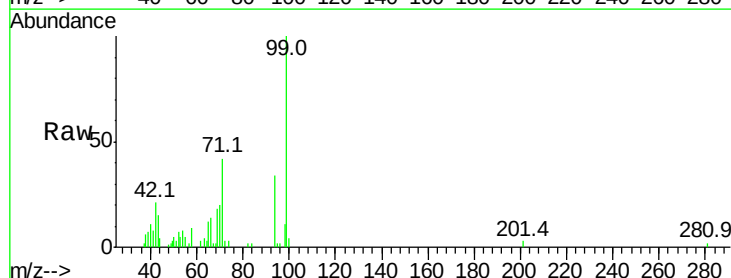
Tgt Ion: 94 Resp: 9172

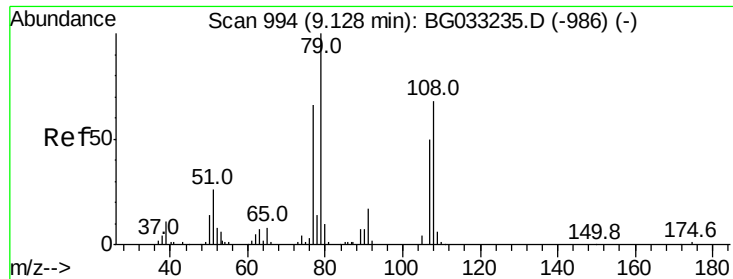
Ion Ratio Lower Upper

94 100

65 35.0 11.9 51.9

66 41.4 22.2 62.2





#15

Benzyl Alcohol

Concen: 2.506 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Instrument :

BNA_G

ClientSampleId :

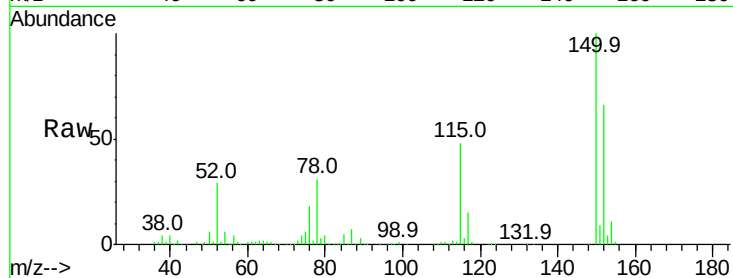
Tot Ion: 79 Resp: 6923

Ion Ratio Lower Upper

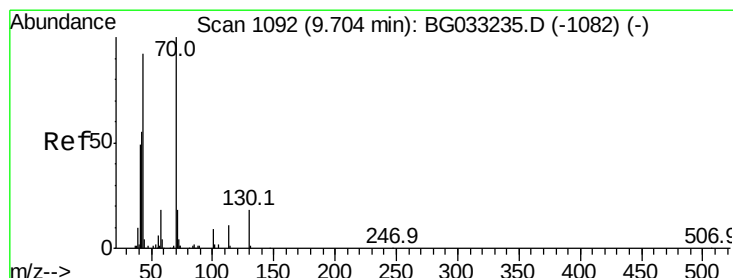
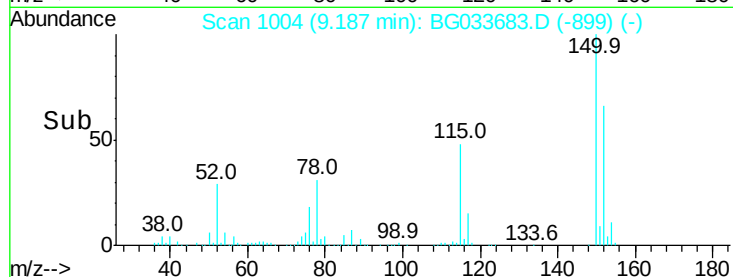
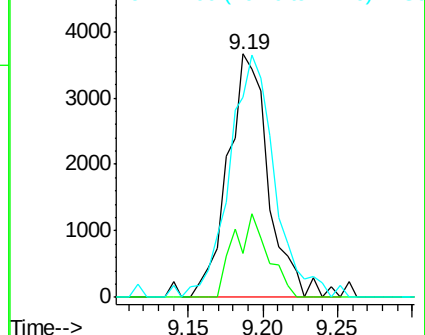
79 100

108 18.2 57.2 85.8#

77 82.1 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: 19.155 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.39 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Tgt Ion: 70 Resp: 49259

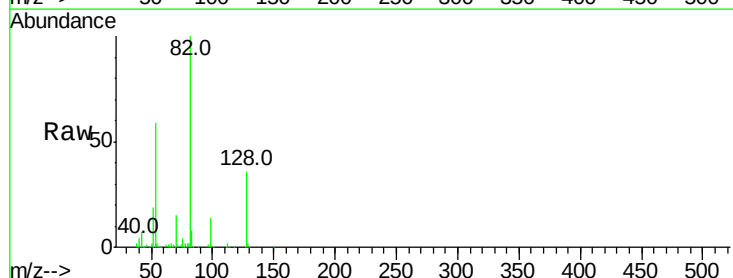
Ion Ratio Lower Upper

70 100

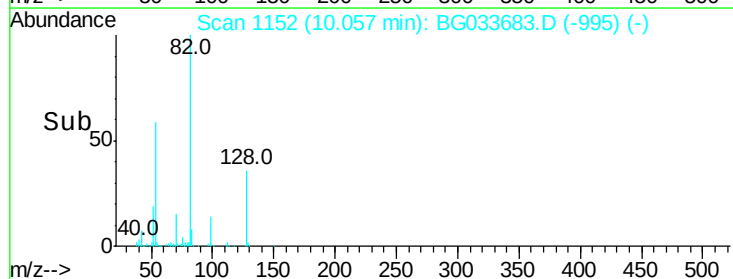
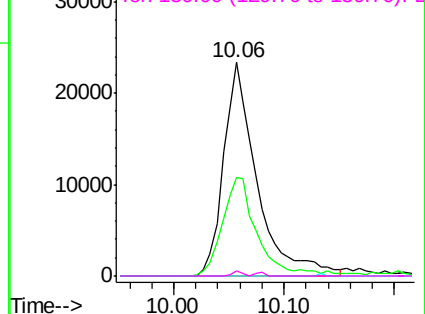
42 46.0 49.1 73.7#

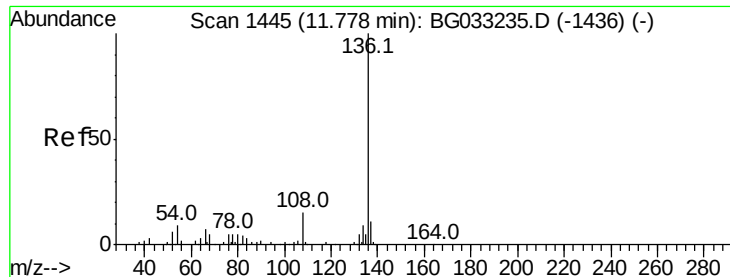
101 0.0 8.5 12.7#

130 2.3 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

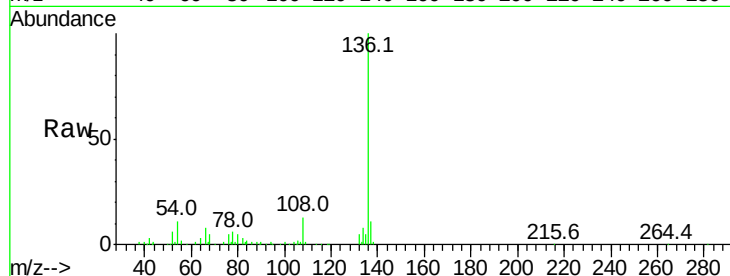




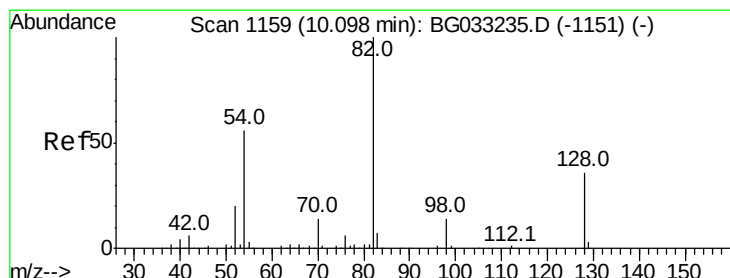
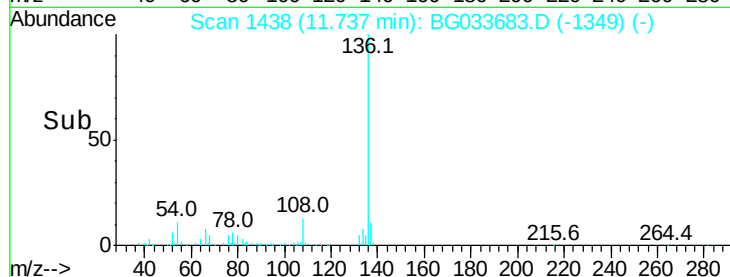
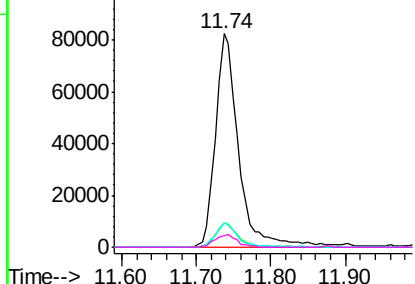
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	177503	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.2	13.8	
54 11.3	10.3	15.5	
68 5.4	4.5	6.7	

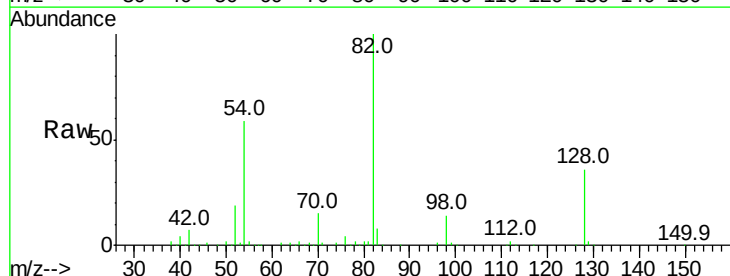


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

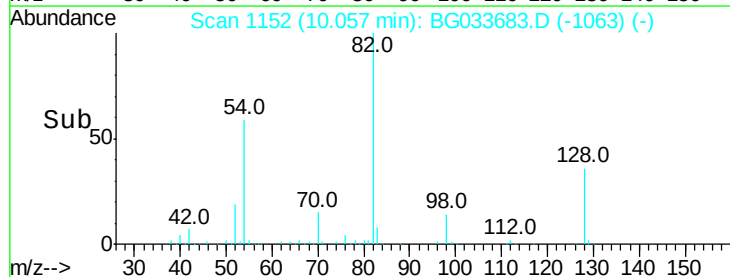
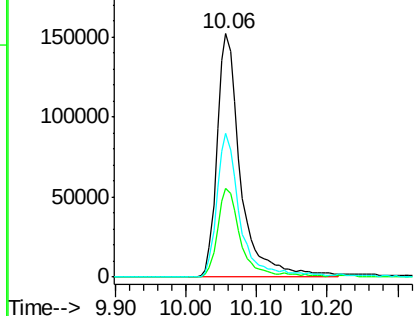


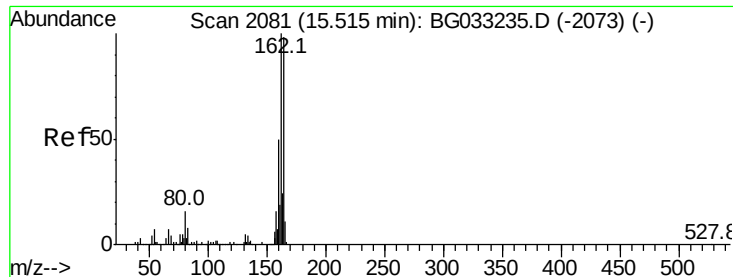
#23
Nitrobenzene-d5
Concen: 91.619 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Tgt Ion: 82	Resp: 353967
Ion Ratio	Lower Upper
82 100	
128 36.2	29.7 44.5
54 59.2	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# 2074

Delta R.T. -0.01 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Instrument :

BNA_G

ClientSampleId :

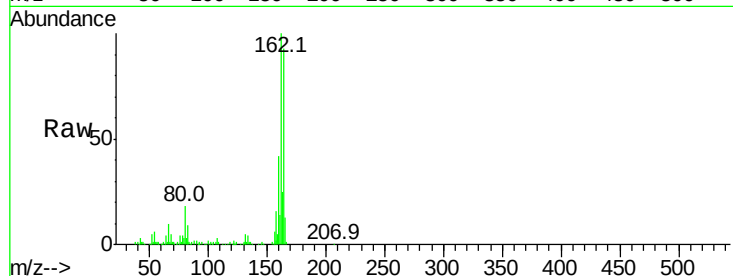
Tot Ion:164 Resp: 130455

Ion Ratio Lower Upper

164 100

162 108.0 78.8 118.2

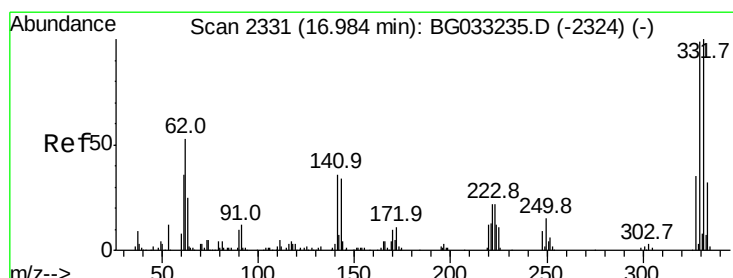
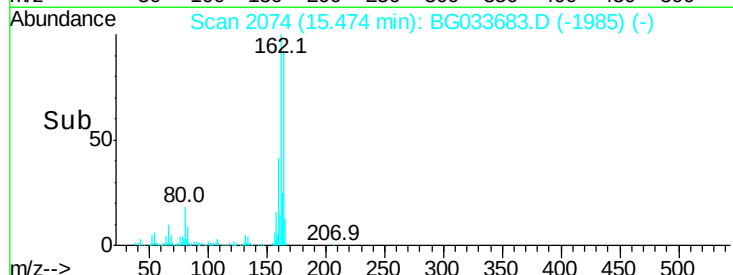
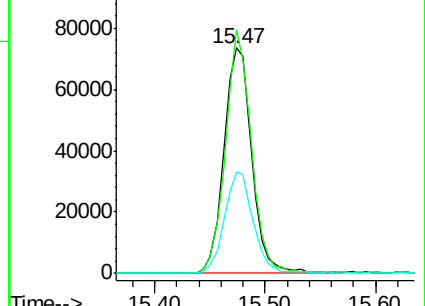
160 44.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 125.623 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

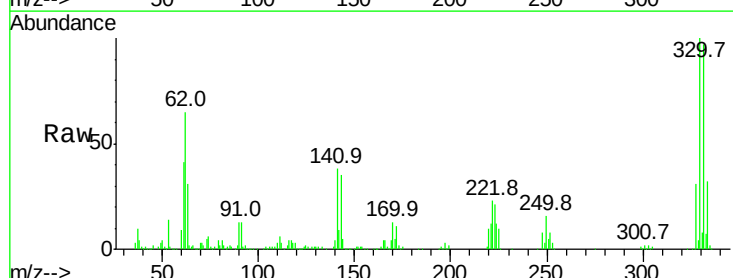
Tgt Ion:330 Resp: 245103

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

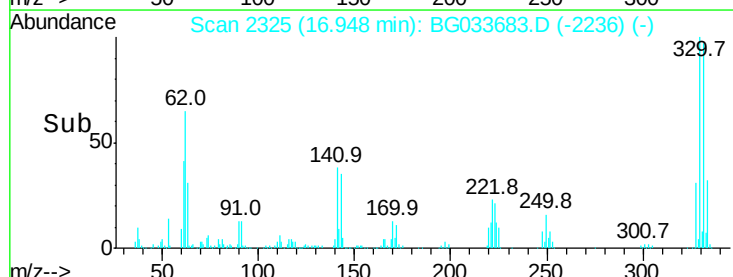
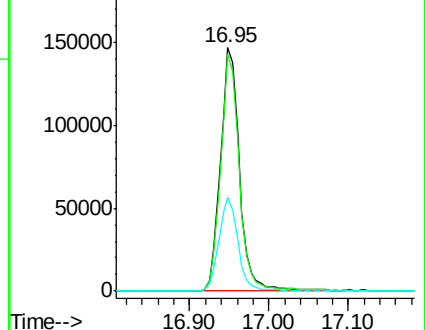
141 38.5 25.2 37.8#

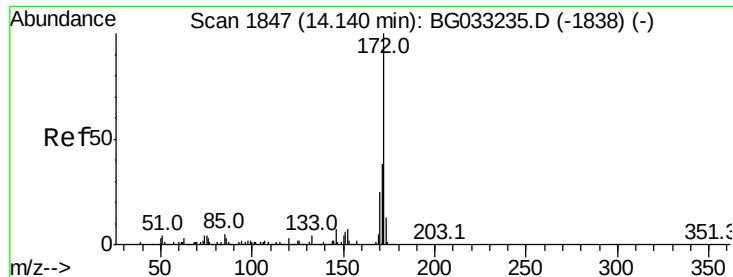


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

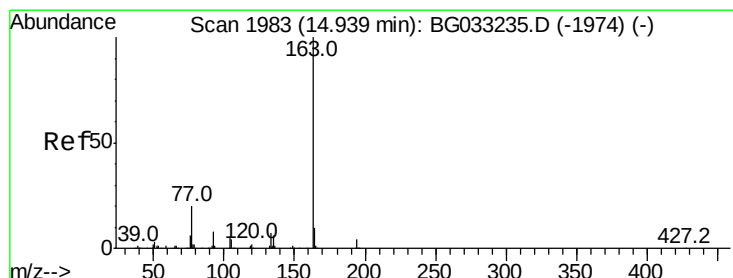
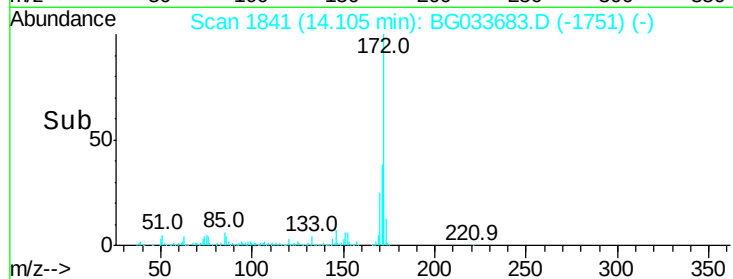
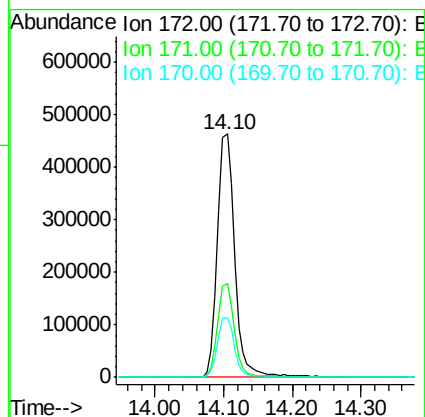
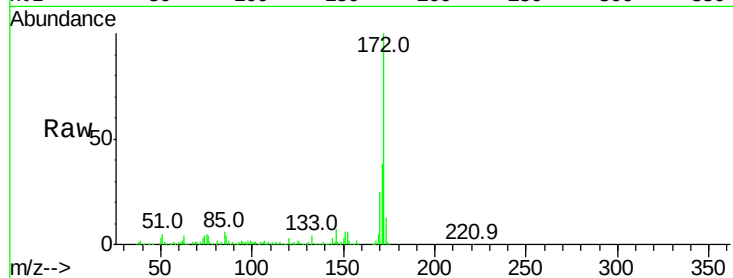




#44
2-Fluorobiphenyl
Concen: 90.124 ng
RT: 14.10 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

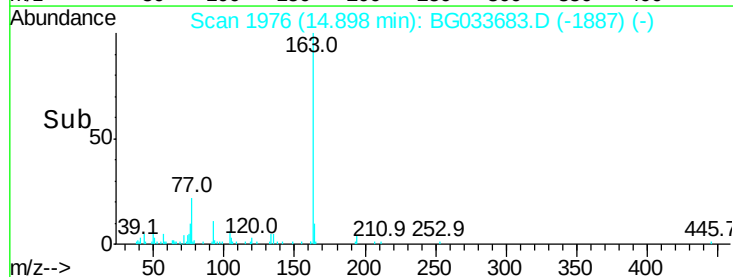
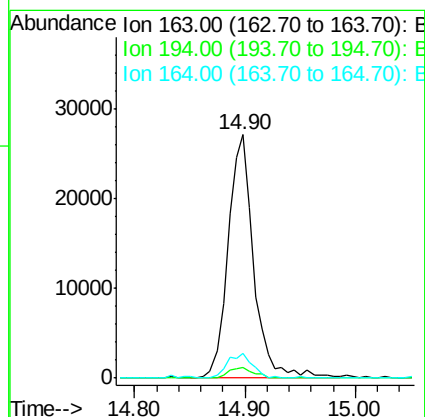
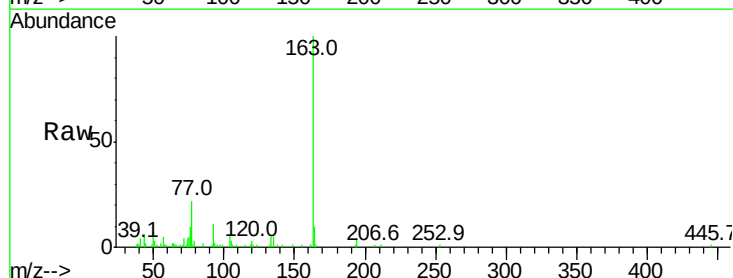
Instrument :
BNA_G
ClientSampleId :

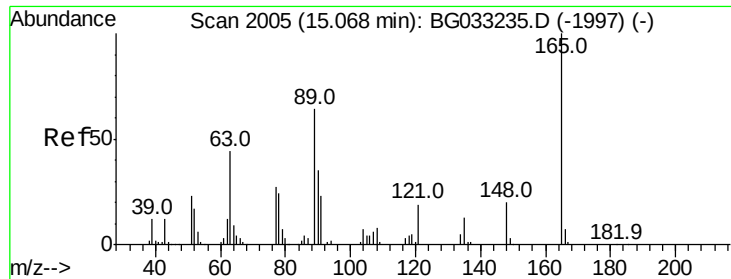
Tot Ion:172 Resp: 814413
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 24.6 19.5 29.3



#49
Dimethylphthalate
Concen: 3.868 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Tgt Ion:163 Resp: 43911
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.4 8.2 12.4

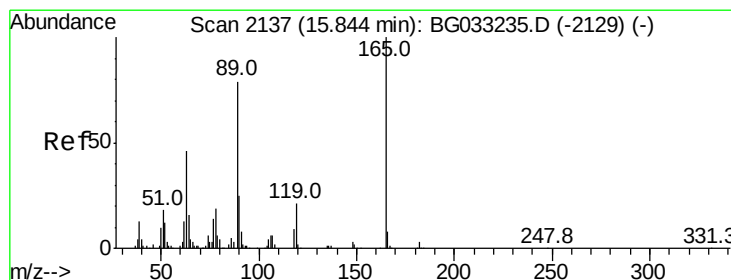
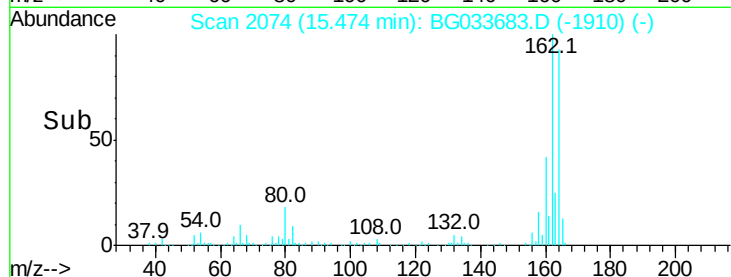
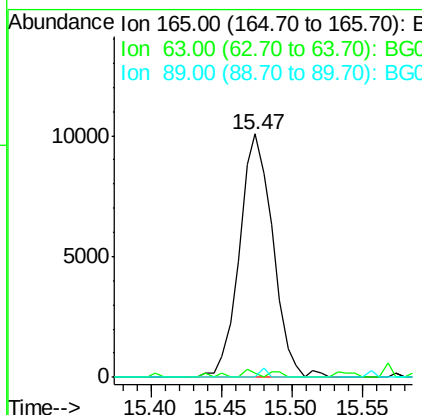
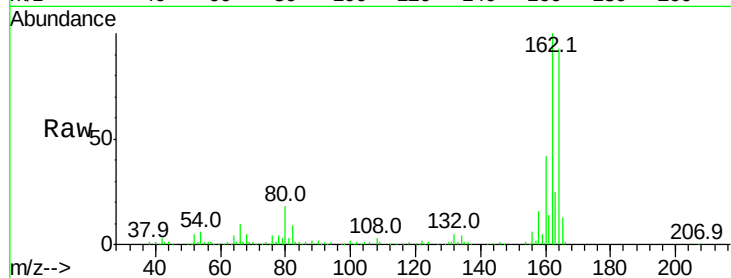




#50
 2,6-Dinitrotoluene
 Concen: 7.182 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033683.D
 Acq: 9 Apr 2018 16:38

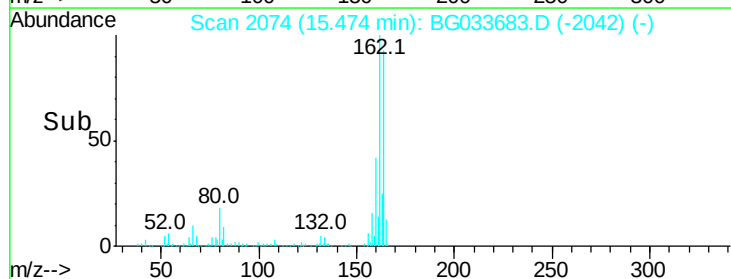
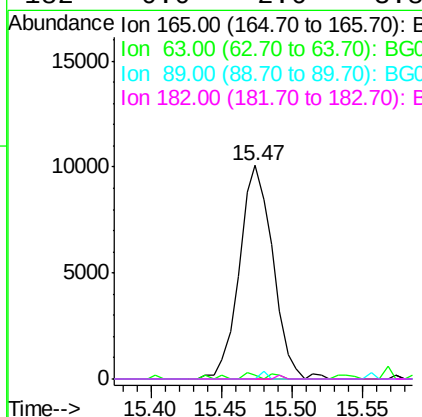
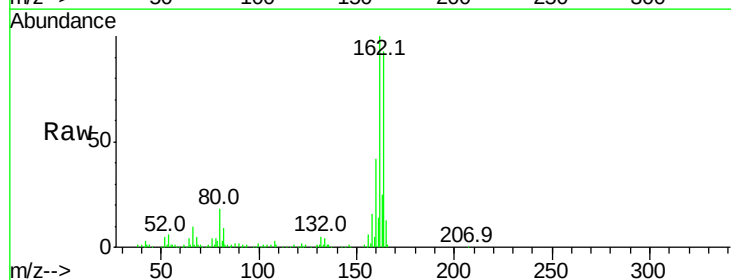
Instrument :
 BNA_G
 ClientSampleId :

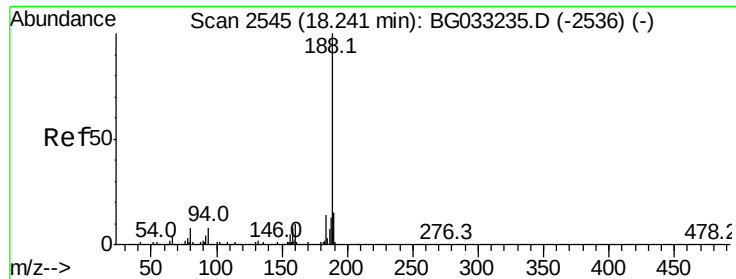
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.878 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033683.D
 Acq: 9 Apr 2018 16:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

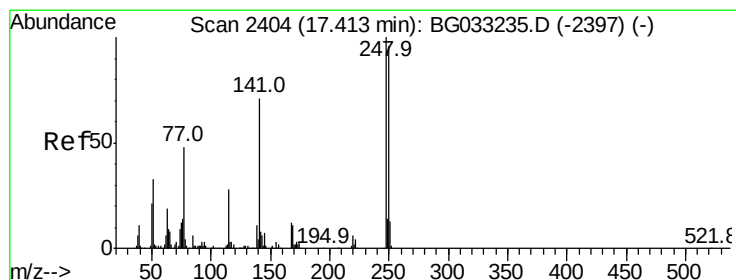
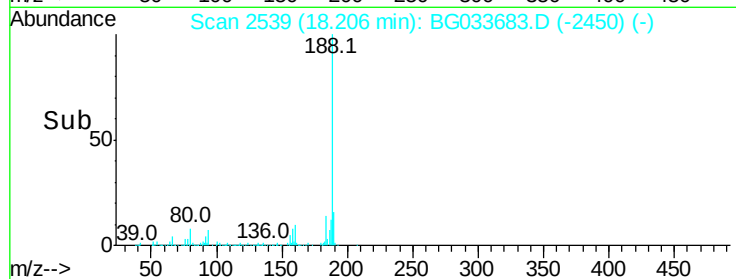
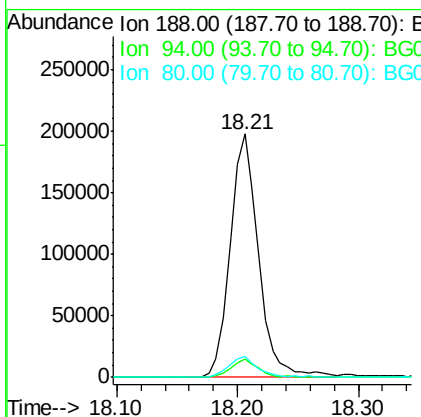
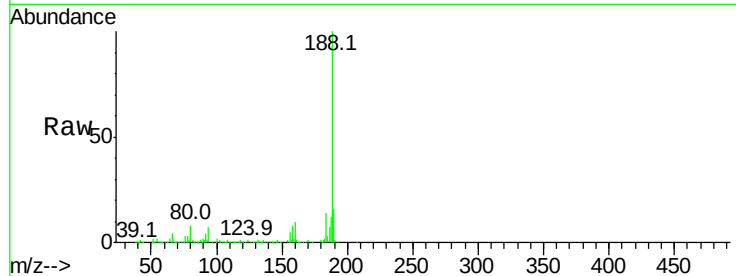




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

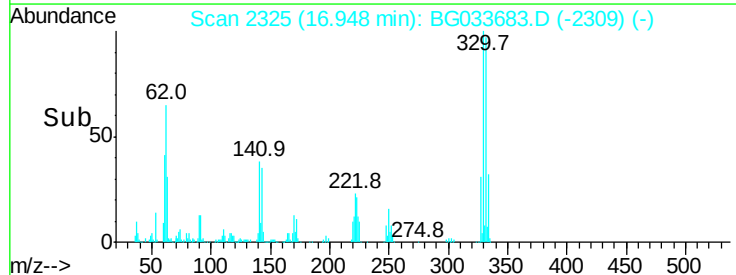
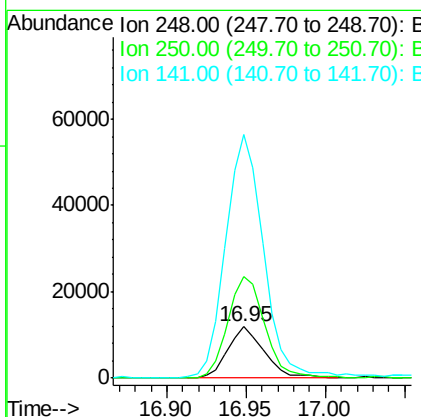
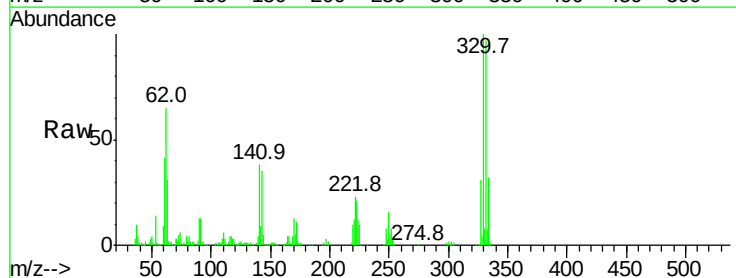
Instrument :
BNA_G
ClientSampleId :

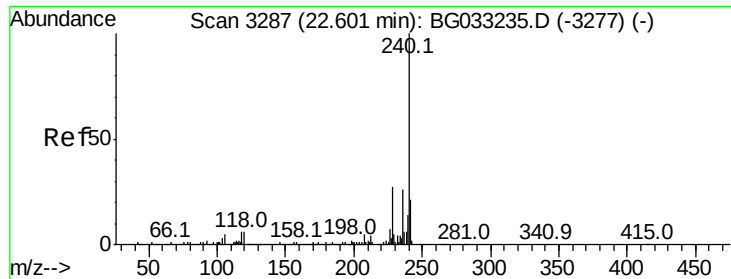
Tot Ion:188 Resp: 322340
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 8.4 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.977 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.43 min
Lab File: BG033683.D
Acq: 9 Apr 2018 16:38

Tgt Ion:248 Resp: 18841
Ion Ratio Lower Upper
248 100
250 198.8 77.1 115.7#
141 475.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Instrument :

BNA_G

ClientSampleId :

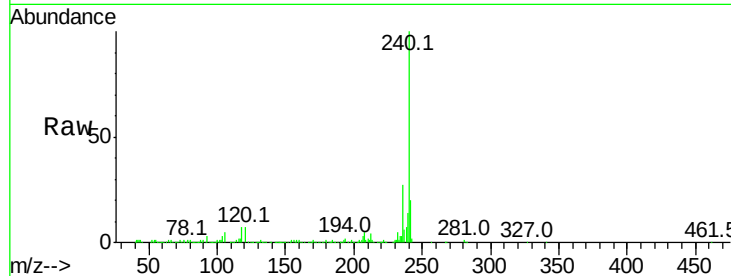
Tot Ion:240 Resp: 336854

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

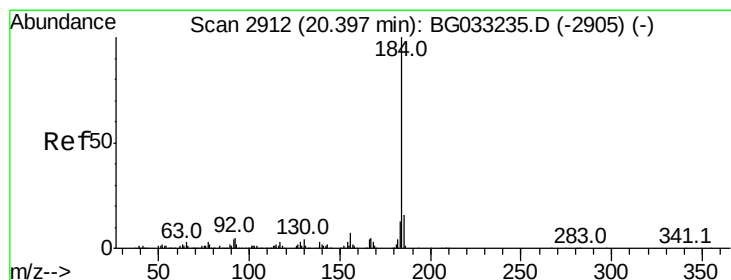
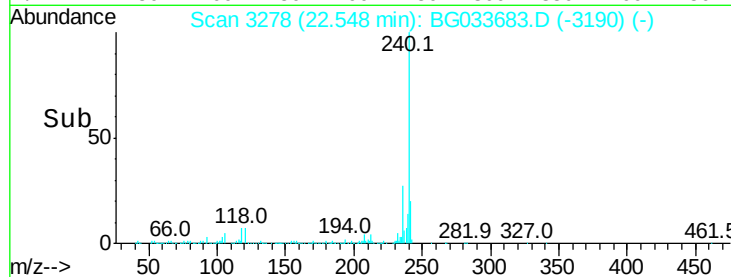
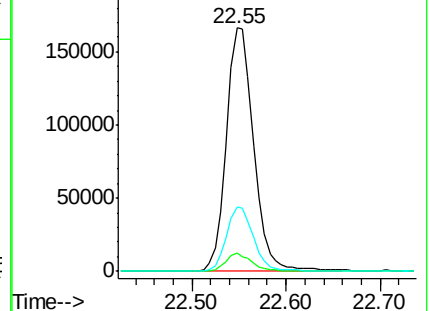
236 26.6 20.9 31.3



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: 2.663 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

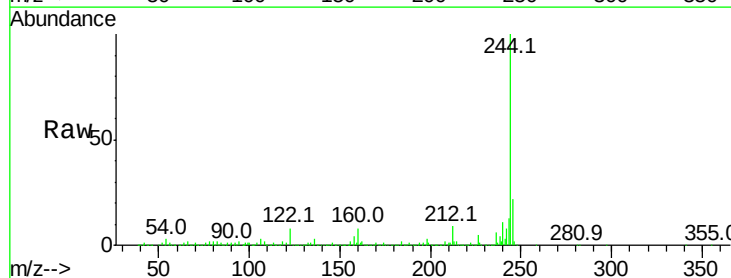
Tgt Ion:184 Resp: 24331

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

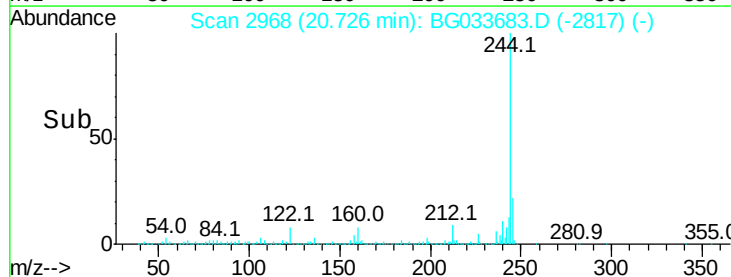
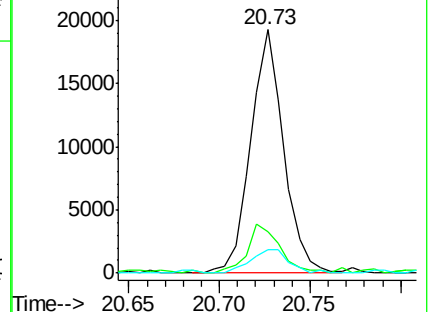
183 9.5 10.6 16.0#

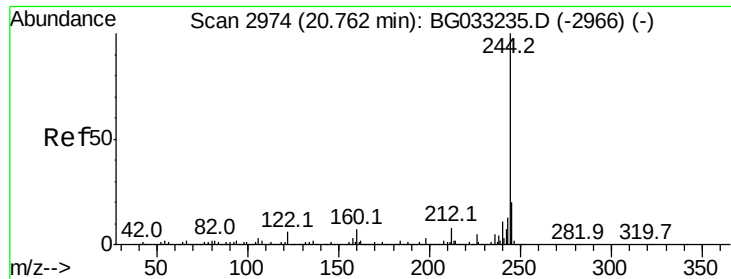


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.321 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033683.D

Acq: 9 Apr 2018 16:38

Instrument :

BNA_G

ClientSampled :

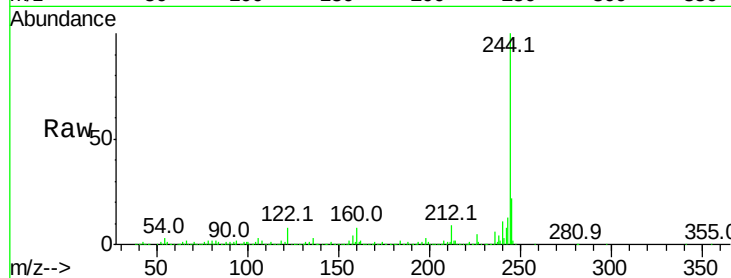
Tot Ion:244 Resp: 1391152

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

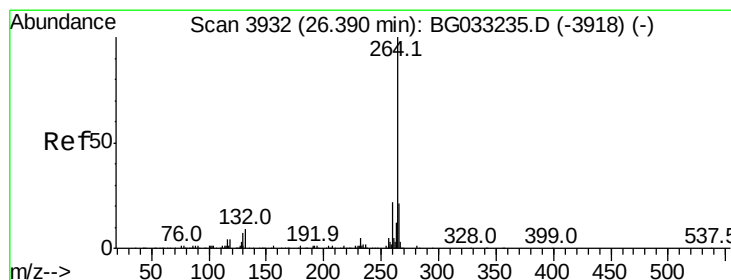
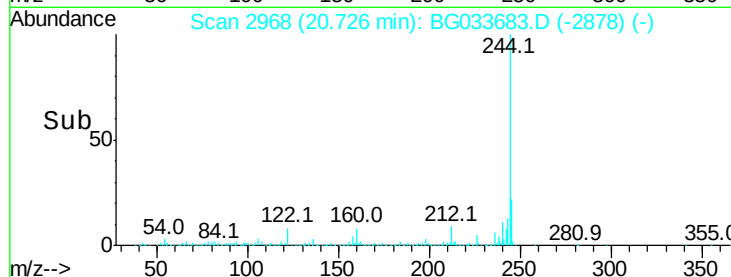
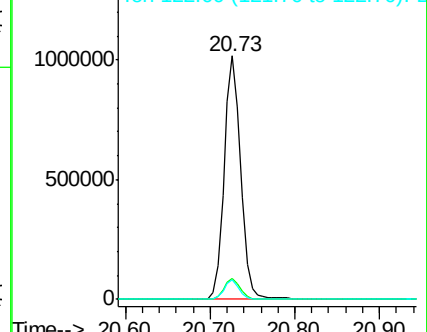
122 8.0 7.0 10.4



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: BG033683.D

Acq: 9 Apr 2018 16:38

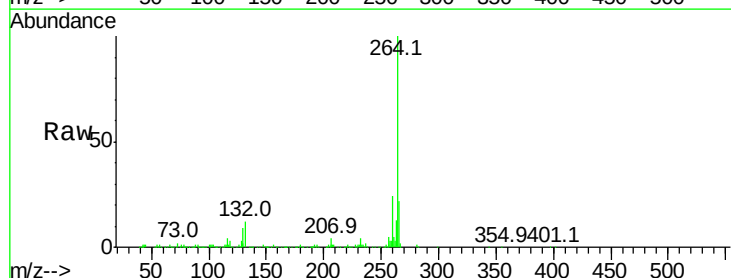
Tgt Ion:264 Resp: 354117

Ion Ratio Lower Upper

264 100

260 24.2 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

