

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033662.D
 Acq On : 7 Apr 2018 12:25
 Operator : SJ/JU
 Sample : J2225-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 09 02:01:28 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

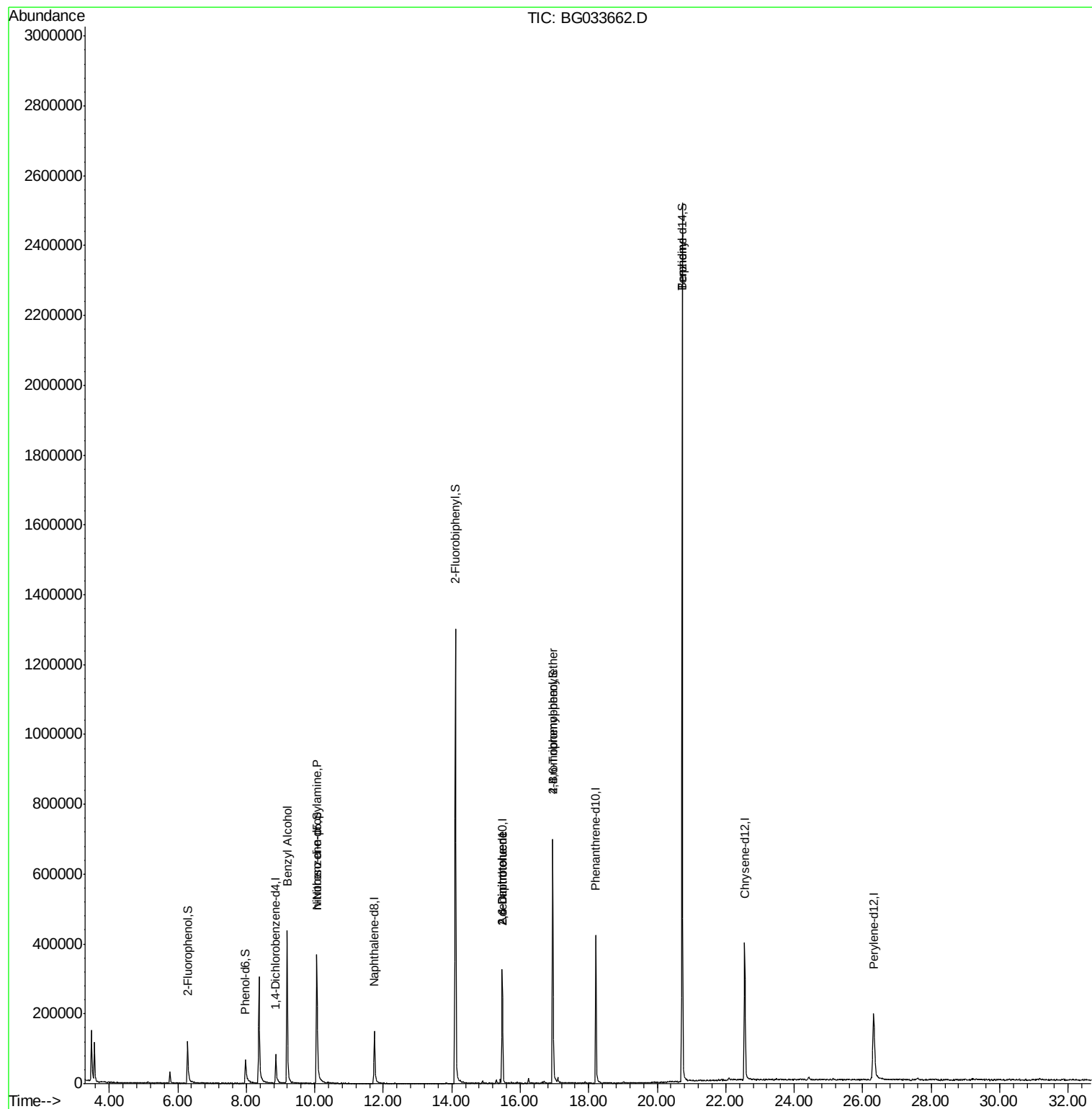
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	31652	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	150206	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	124723	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	303032	20.00	ng	0.00
75) Chrysene-d12	22.55	240	297441	20.00	ng	0.00
86) Perylene-d12	26.31	264	308678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	72032	42.67	ng	0.00
7) Phenol-d6	7.98	99	55202	19.03	ng	0.00
23) Nitrobenzene-d5	10.06	82	291322	89.11	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	138533	74.27	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	752079	87.05	ng	0.00
78) Terphenyl-d14	20.73	244	1254651	90.21	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4575	2.003	ng	# 46
19) n-Nitroso-di-n-propylamine	10.06	70	41404	19.482	ng	# 79
50) 2,6-Dinitrotoluene	15.47	165	16069	7.240	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	16070	4.918	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	10658	2.995	ng	# 1
76) Benzidine	20.73	184	21962	2.723	ng	# 95

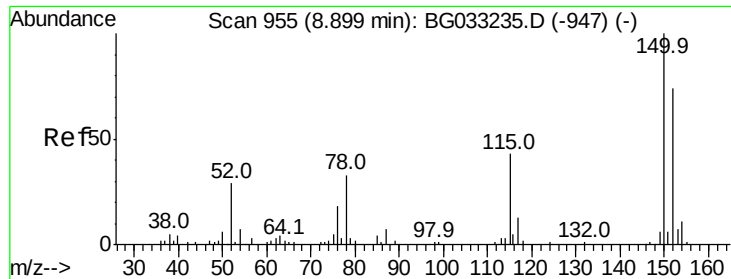
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampleId :

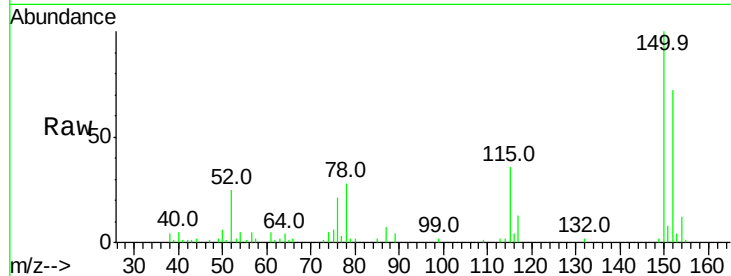
Tot Ion:152 Resp: 31652

Ion Ratio Lower Upper

152 100

150 138.6 126.6 189.8

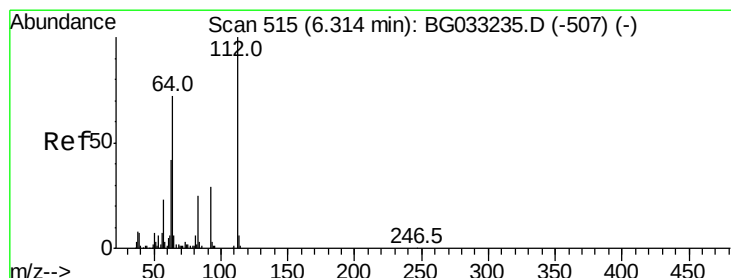
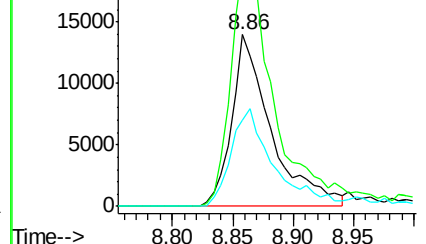
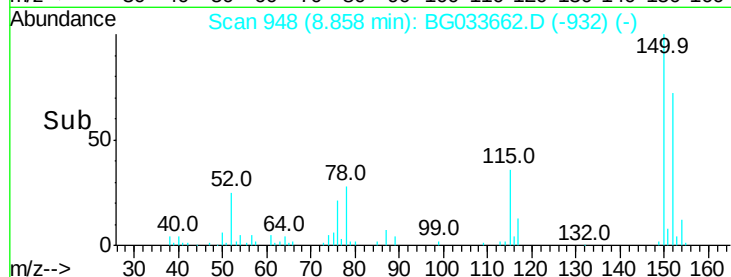
115 50.5 53.0 79.4#



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: 42.673 ng

RT: 6.28 min Scan# 510

Delta R.T. -0.01 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

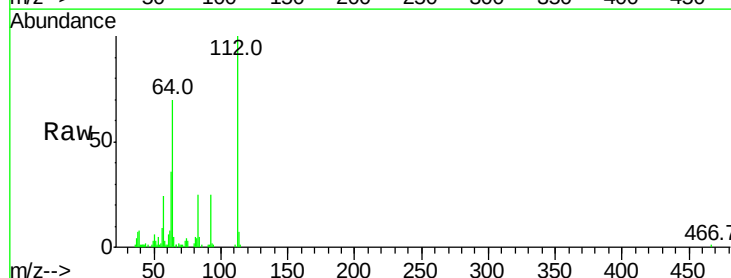
Tgt Ion:112 Resp: 72032

Ion Ratio Lower Upper

112 100

64 69.9 56.3 84.5

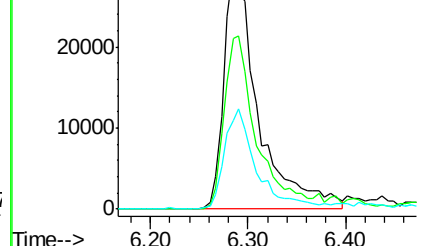
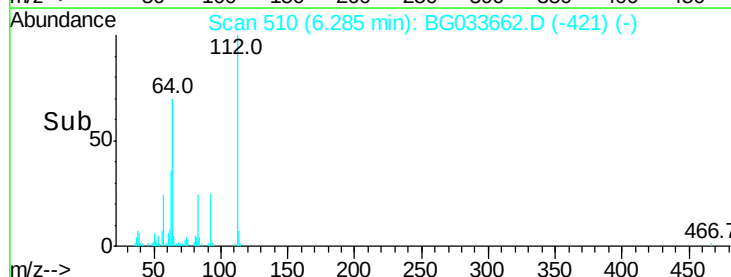
63 36.2 30.1 45.1

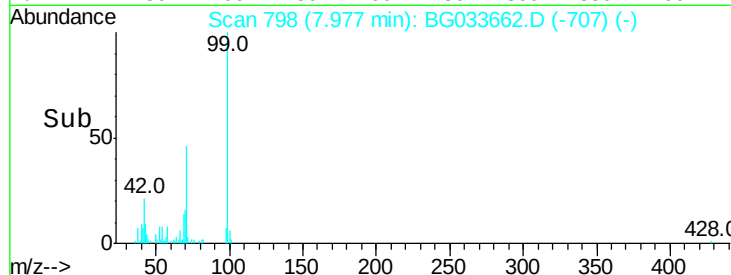
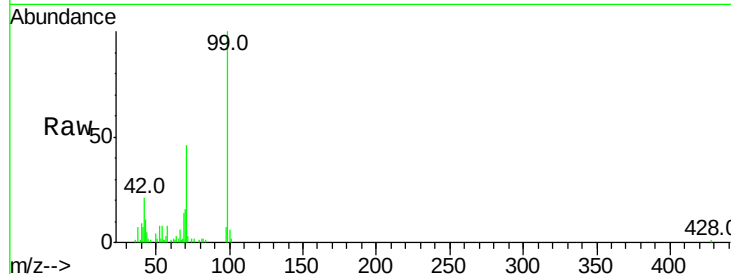
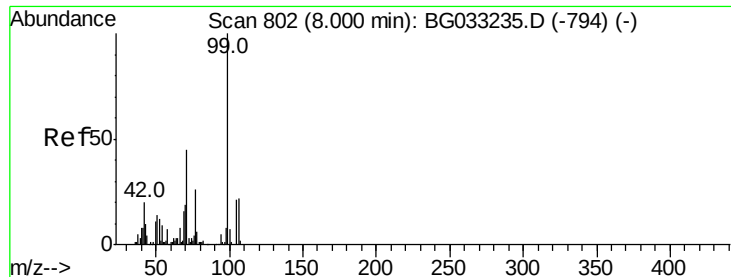


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 19.033 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampled :

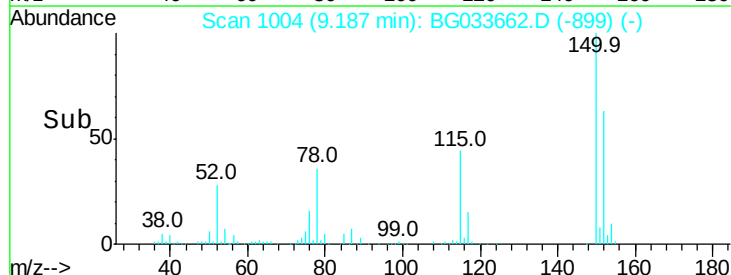
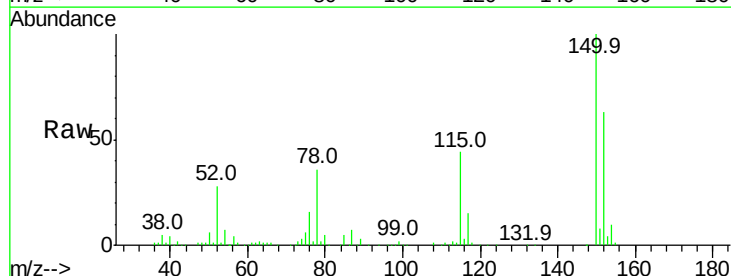
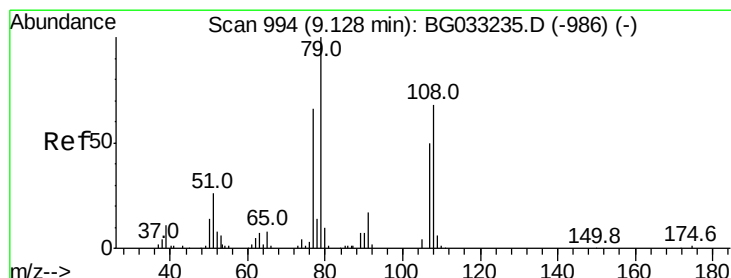
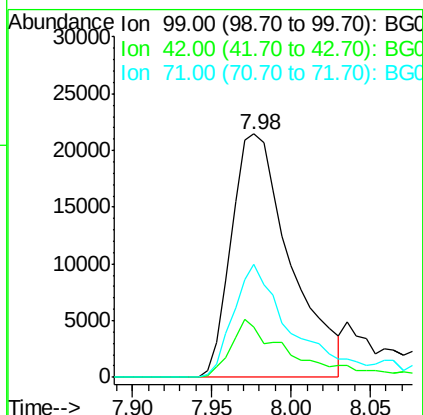
Tot Ion: 99 Resp: 55202

Ion Ratio Lower Upper

99 100

42 20.5 14.1 21.1

71 46.2 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.003 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

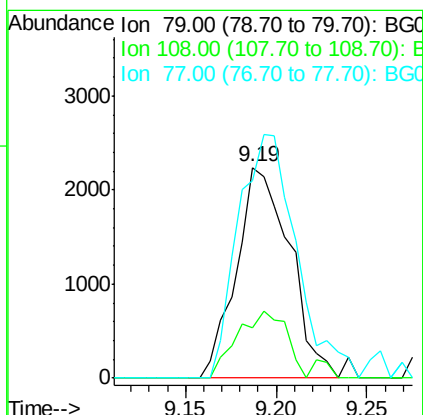
Tgt Ion: 79 Resp: 4575

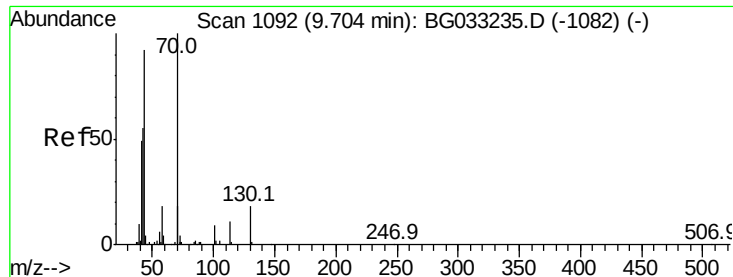
Ion Ratio Lower Upper

79 100

108 24.1 57.2 85.8#

77 94.1 46.1 69.1#

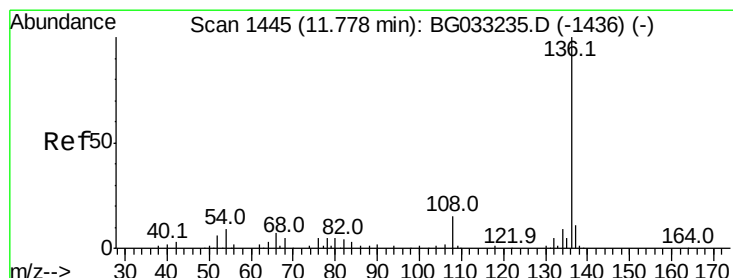
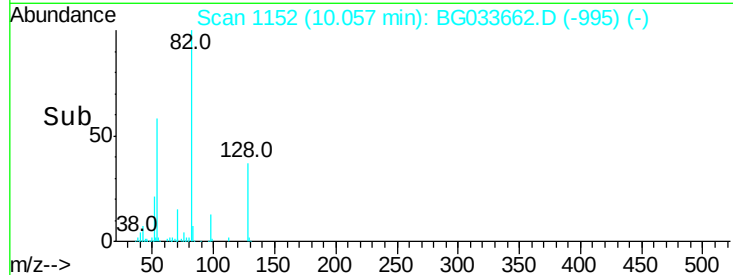
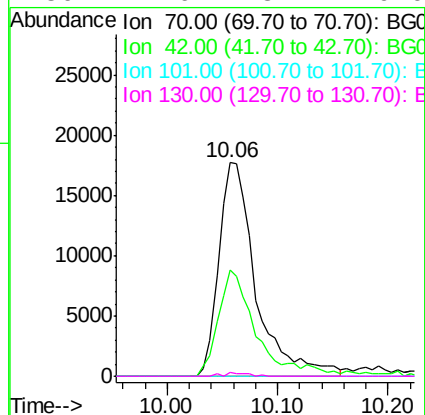
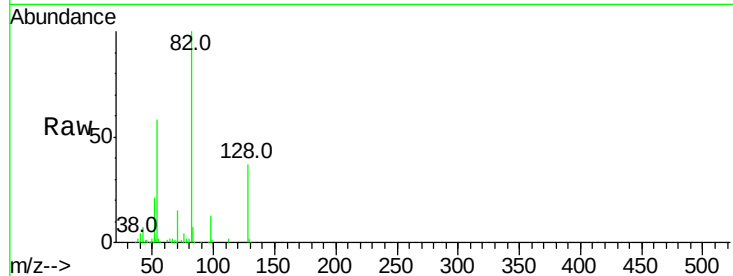




#19
n-Nitroso-di-n-propylamine
Concen: 19.482 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033662.D
Acq: 7 Apr 2018 12:25

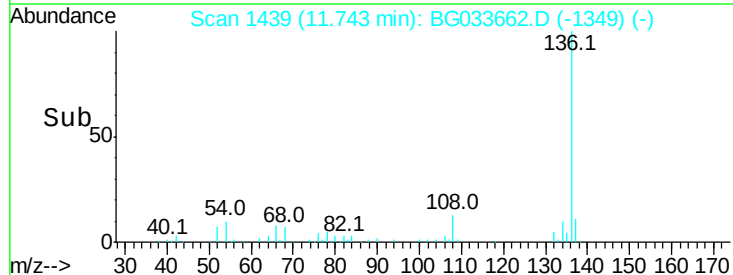
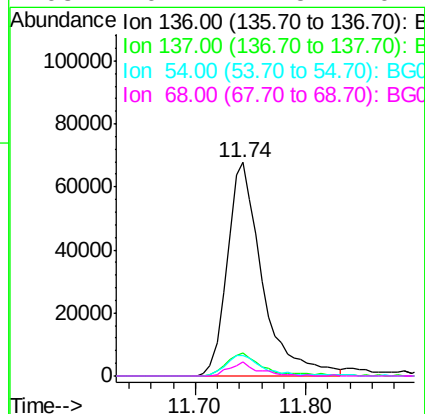
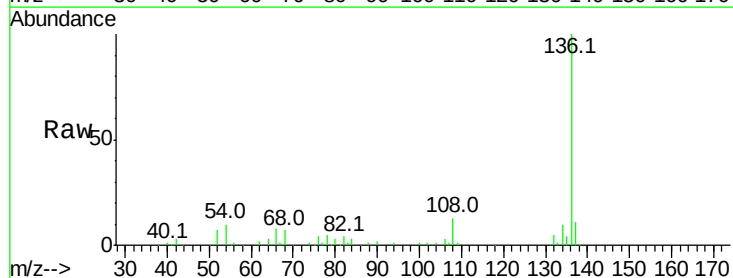
Instrument :
BNA_G
ClientSampleId :

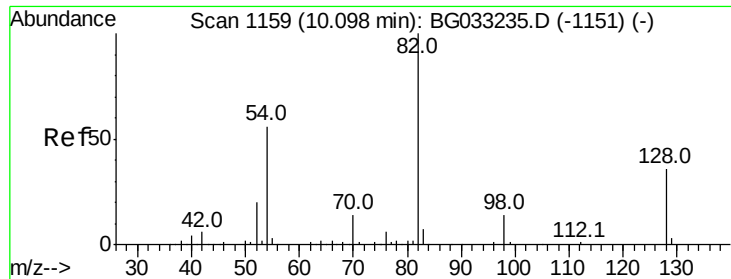
Tot Ion: 70 Resp: 41404
Ion Ratio Lower Upper
70 100
42 49.6 49.1 73.7
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033662.D
Acq: 7 Apr 2018 12:25

Tgt Ion: 136 Resp: 150206
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.7 10.3 15.5#
68 6.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 89.108 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampled :

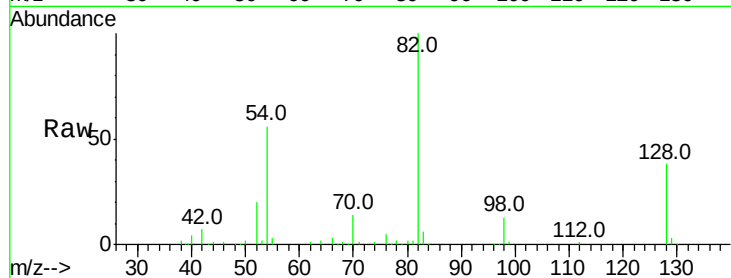
Tot Ion: 82 Resp: 291322

Ion Ratio Lower Upper

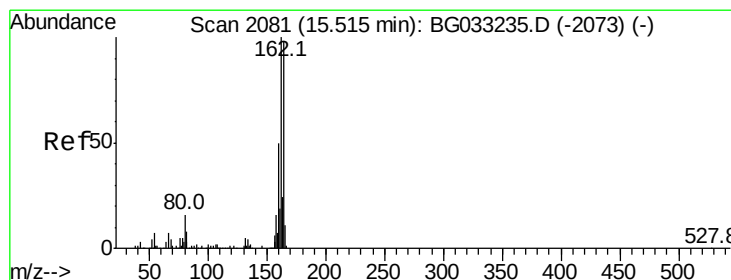
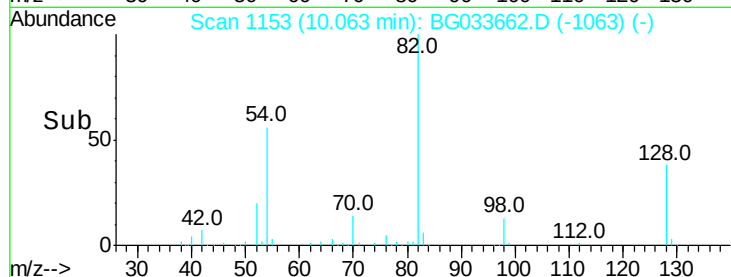
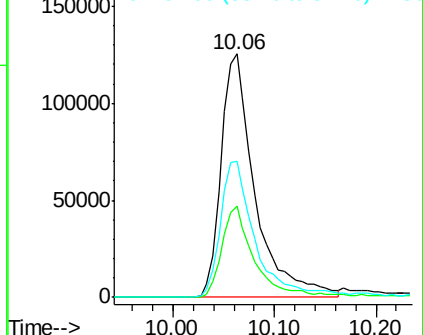
82 100

128 37.6 29.7 44.5

54 56.0 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: BG033662.D

Acq: 7 Apr 2018 12:25

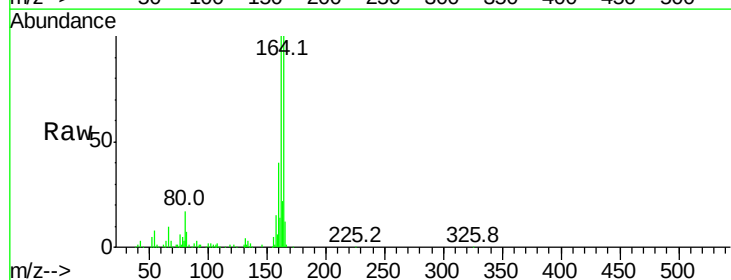
Tgt Ion:164 Resp: 124723

Ion Ratio Lower Upper

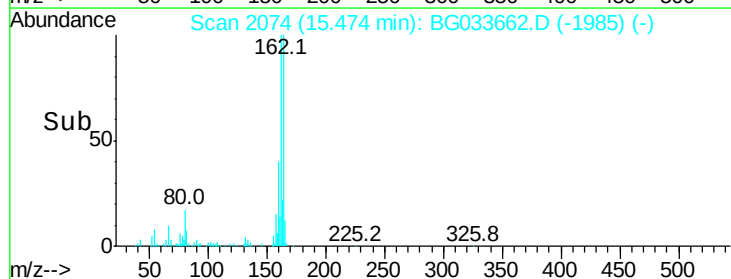
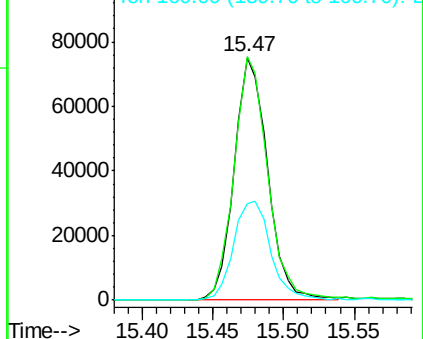
164 100

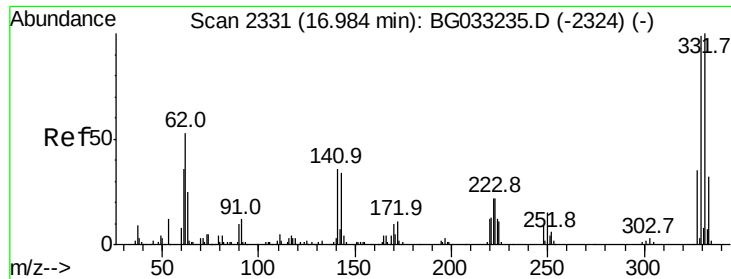
162 100.4 78.8 118.2

160 40.0 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

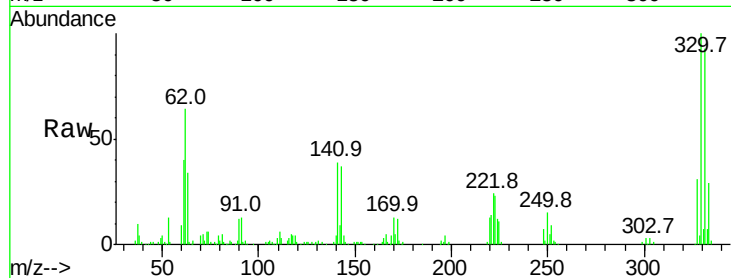




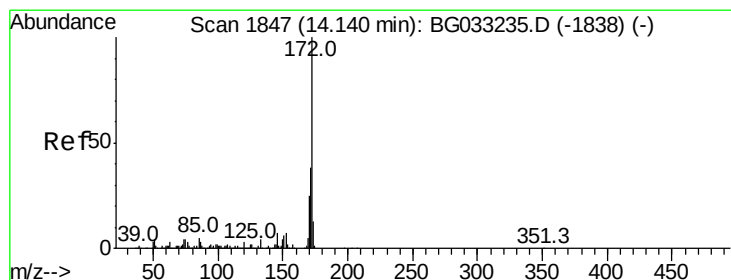
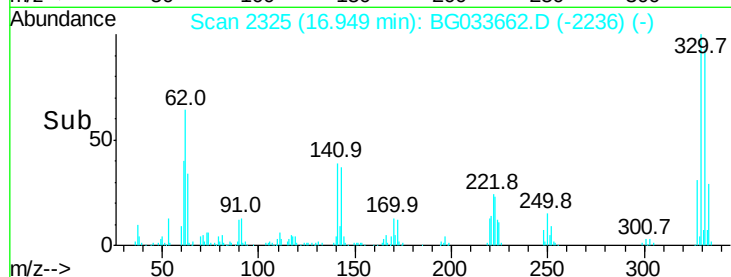
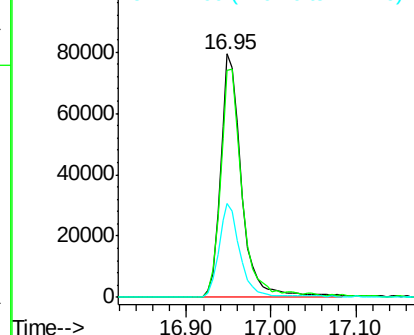
#41
 2,4,6-Tribromophenol
 Concen: 74.265 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033662.D
 Acq: 7 Apr 2018 12:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 138533
 Ion Ratio Lower Upper
 330 100
 332 93.7 77.0 115.6
 141 38.2 25.2 37.8#

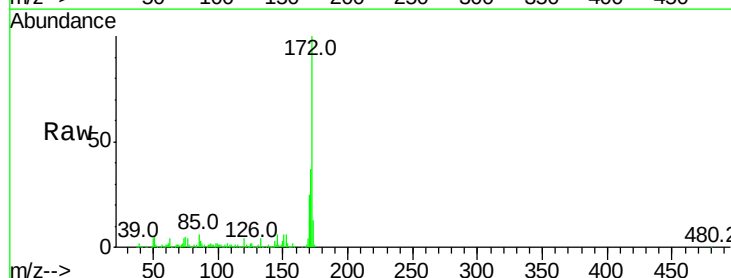


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

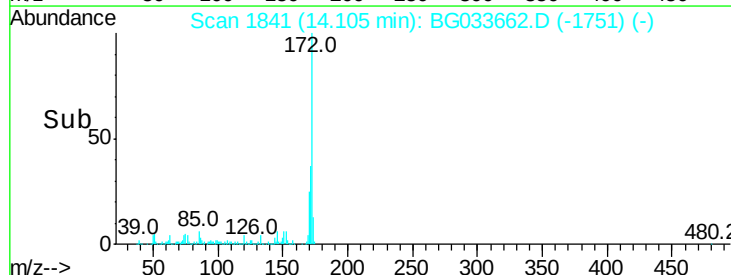
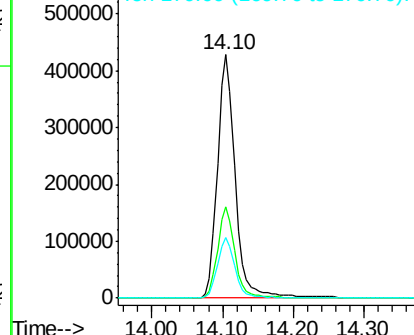


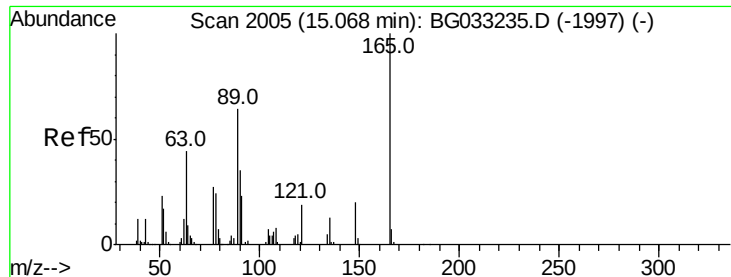
#44
 2-Fluorobiphenyl
 Concen: 87.051 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033662.D
 Acq: 7 Apr 2018 12:25

Tgt Ion:172 Resp: 752079
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.7 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

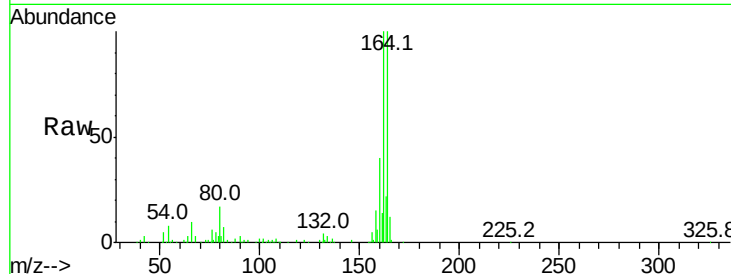




#50
2,6-Dinitrotoluene
Concen: 7.240 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033662.D
Acq: 7 Apr 2018 12:25

Instrument :
BNA_G
ClientSampleId :

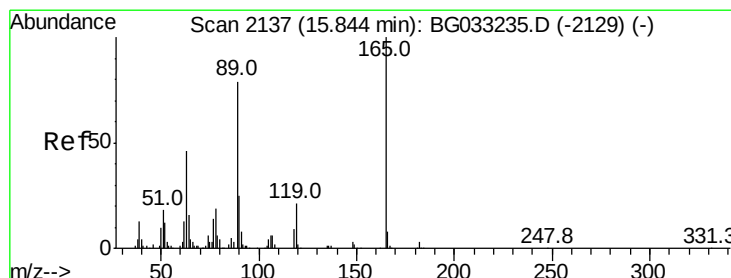
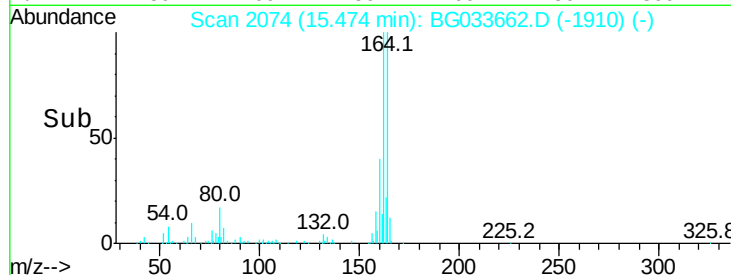
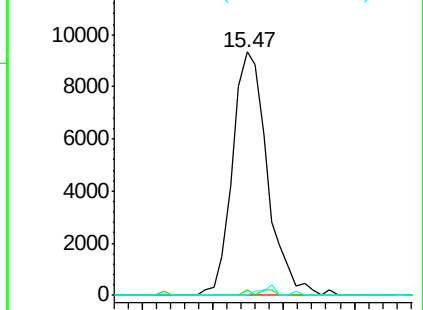
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

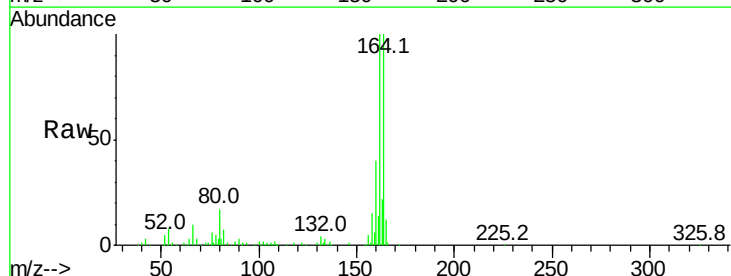
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
2,4-Dinitrotoluene
Concen: 4.918 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033662.D
Acq: 7 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

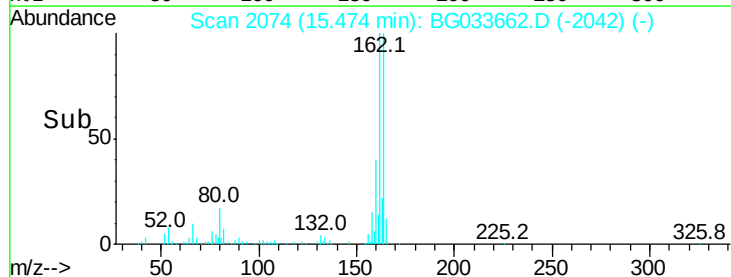
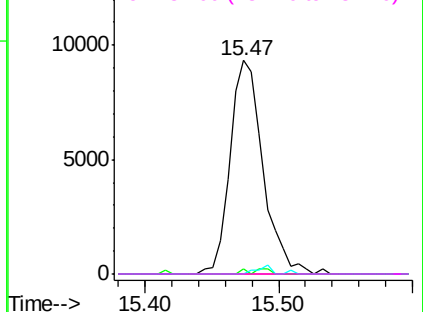


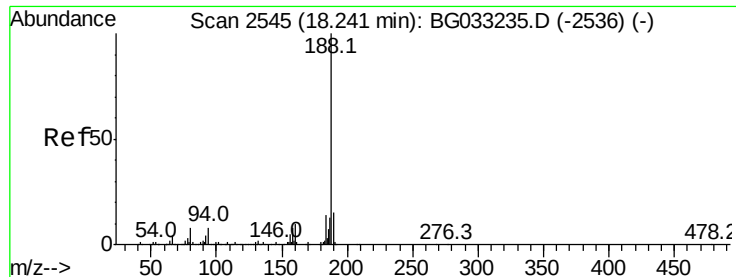
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampleId :

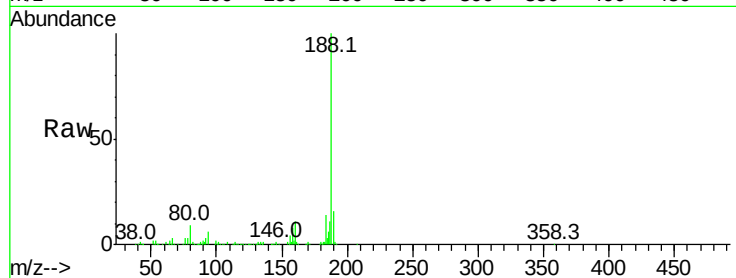
Tot Ion:188 Resp: 303032

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

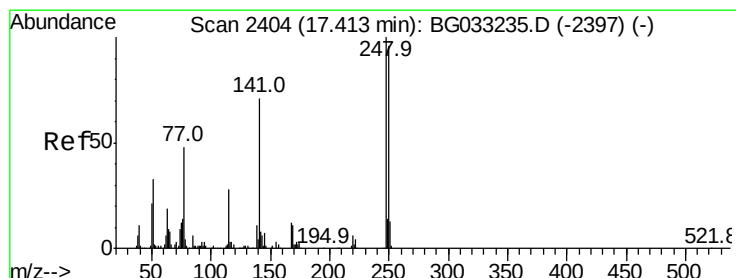
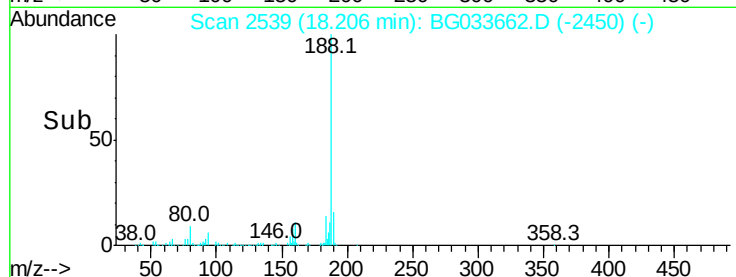
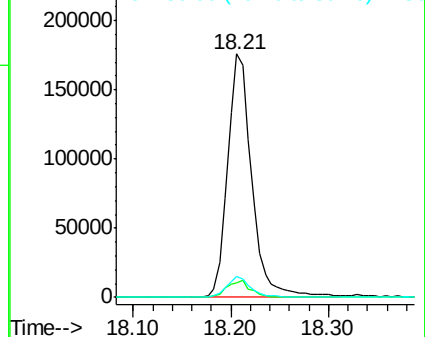
80 8.7 7.7 11.5



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: 2.995 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

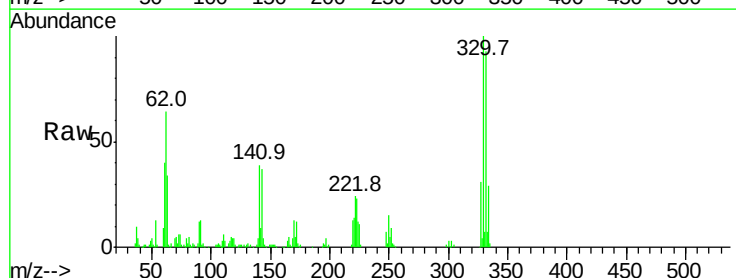
Tgt Ion:248 Resp: 10658

Ion Ratio Lower Upper

248 100

250 214.3 77.1 115.7#

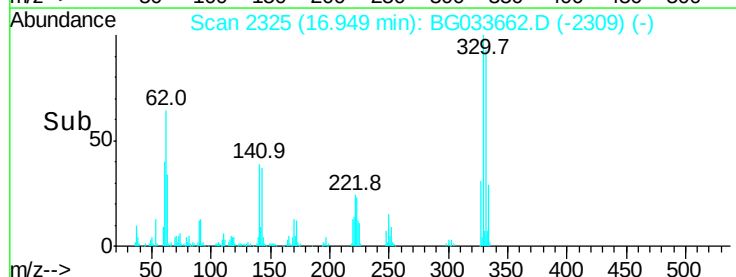
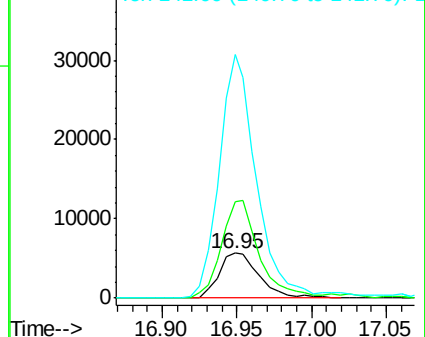
141 543.4 50.8 76.2#

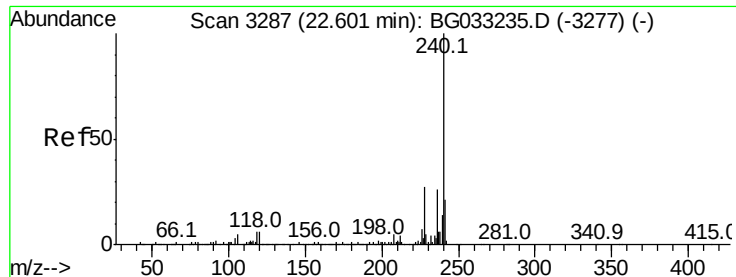


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampleId :

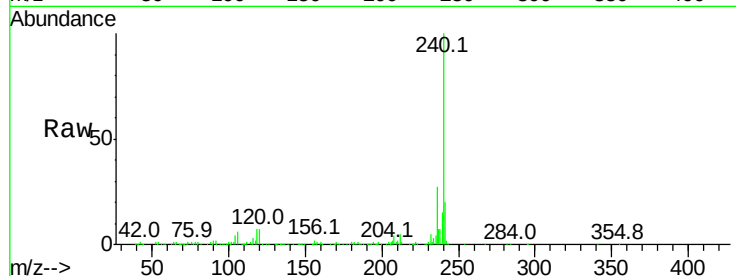
Tot Ion:240 Resp: 297441

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

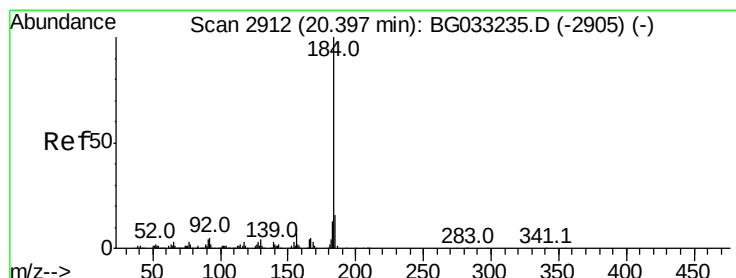
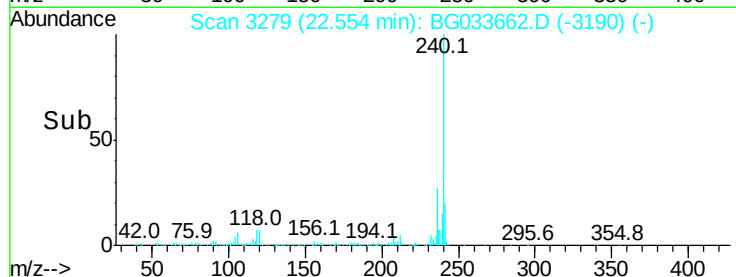
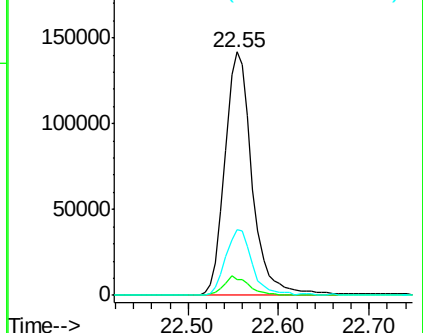
236 27.1 20.9 31.3



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: 2.723 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

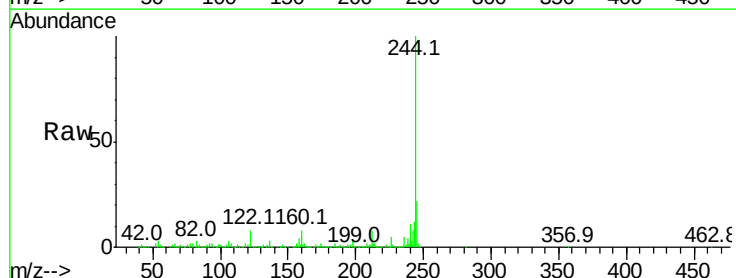
Tgt Ion:184 Resp: 21962

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

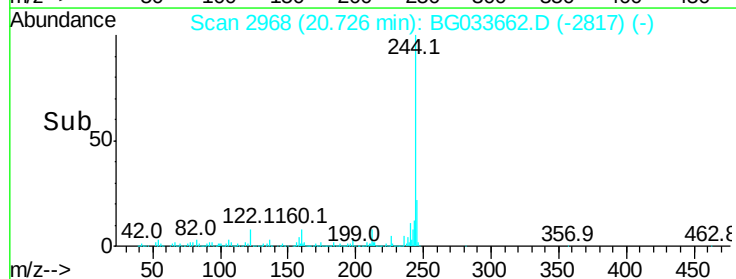
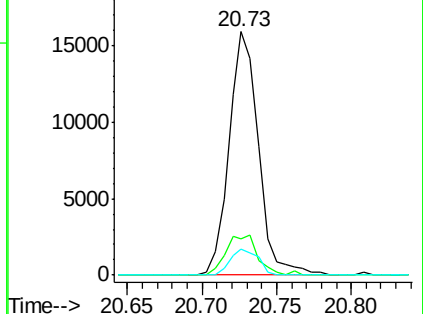
183 10.5 10.6 16.0#

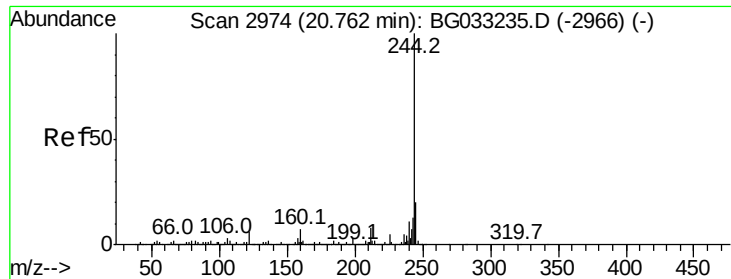


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.210 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

Instrument :

BNA_G

ClientSampleId :

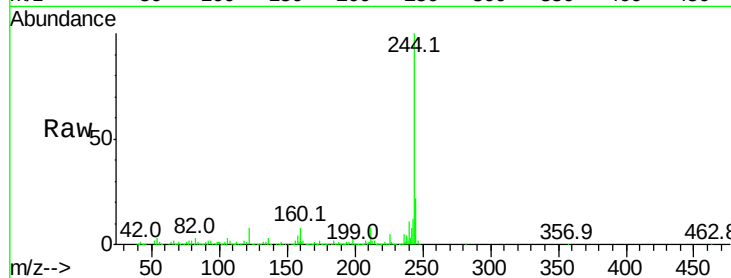
Tot Ion:244 Resp: 1254651

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

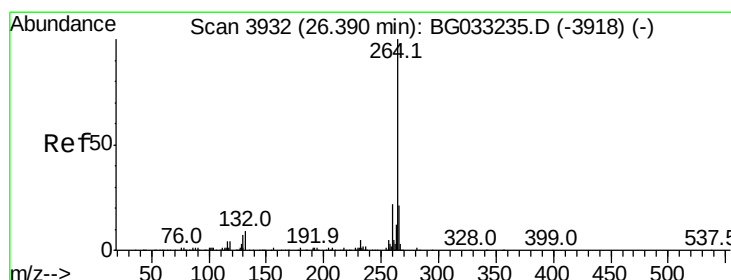
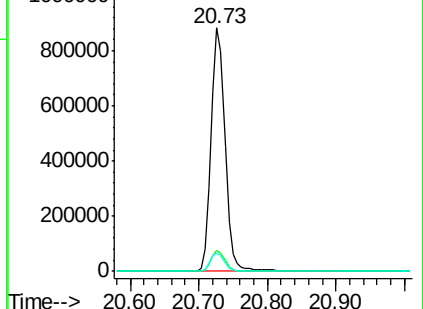
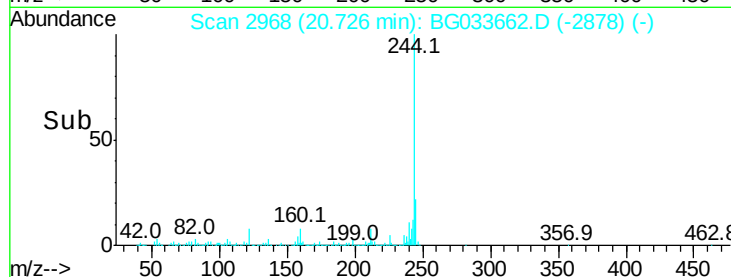
122 7.7 7.0 10.4



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: 26.31 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BG033662.D

Acq: 7 Apr 2018 12:25

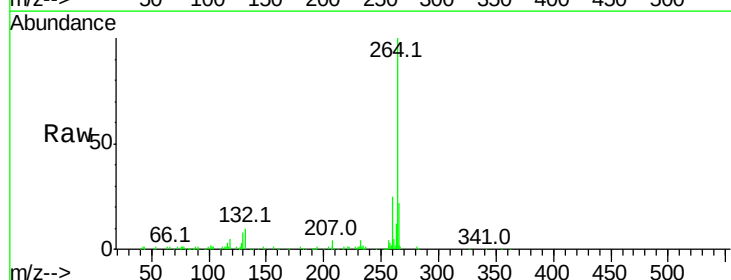
Tgt Ion:264 Resp: 308678

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

265 21.5 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

