

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\
 Data File : BG033832.D
 Acq On : 17 Apr 2018 2:17
 Operator : SJ/JU
 Sample : J2391-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 04:08:37 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 11:44:01 2018
 Response via : Initial Calibration

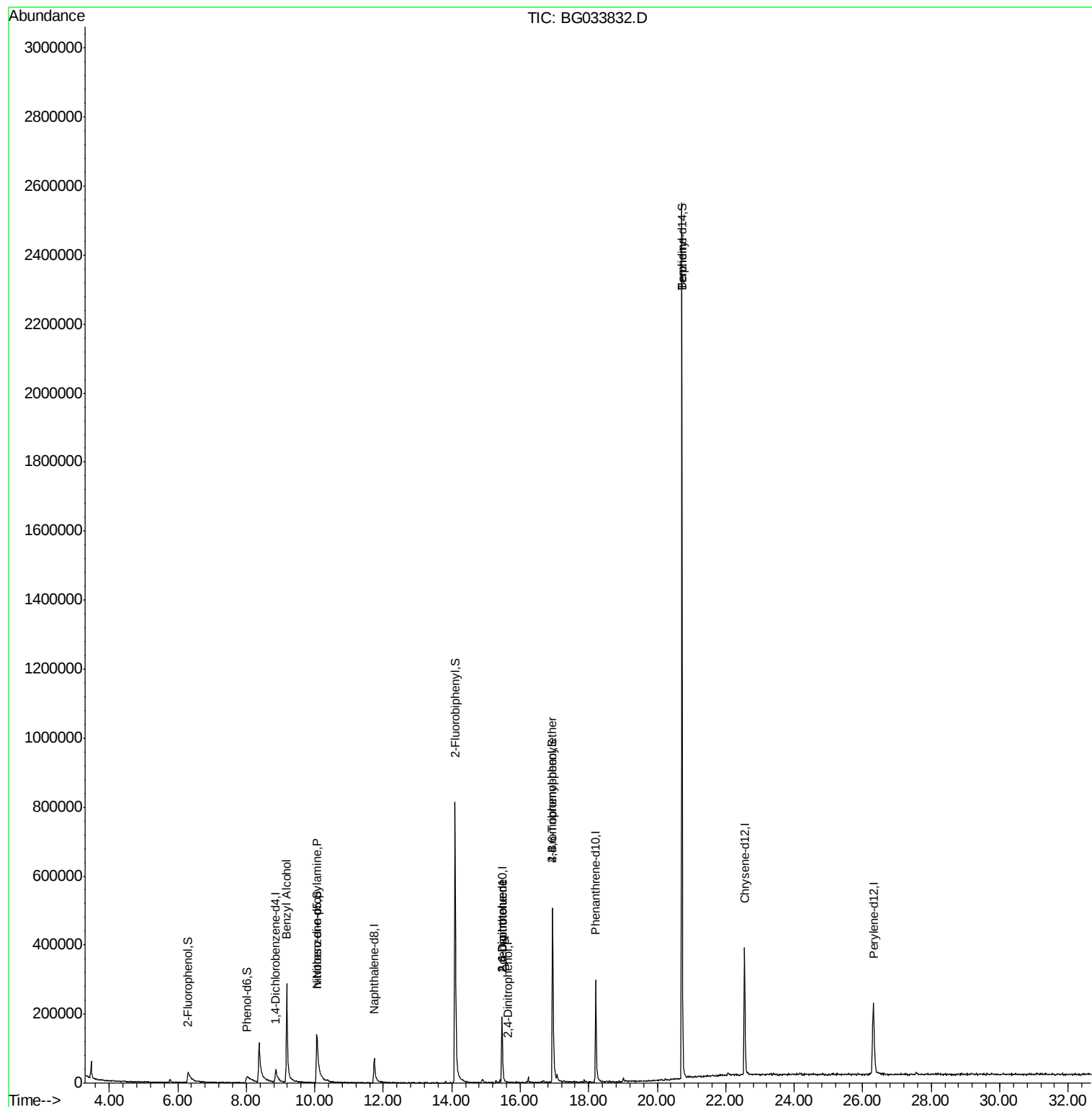
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	20267	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	94569	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	90972	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	274401	20.00	ng	0.00
75) Chrysene-d12	22.55	240	286820	20.00	ng	0.00
86) Perylene-d12	26.31	264	306633	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	30377	28.11	ng	0.01
7) Phenol-d6	8.01	99	25985	13.99	ng	0.02
23) Nitrobenzene-d5	10.06	82	206489	100.32	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	134266	98.68	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	618115	98.09	ng	0.00
78) Terphenyl-d14	20.72	244	1322570	98.61	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	3336	2.282	ng	# 24
19) n-Nitroso-di-n-propylamine	10.07	70	25513	18.748	ng	# 80
50) 2,6-Dinitrotoluene	15.47	165	11474	7.088	ng	# 18
53) 2,4-Dinitrophenol	15.64	184	54	7.701	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	11474	4.814	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	11196	3.474	ng	# 1
76) Benzydine	20.72	184	22984	2.955	ng	# 87

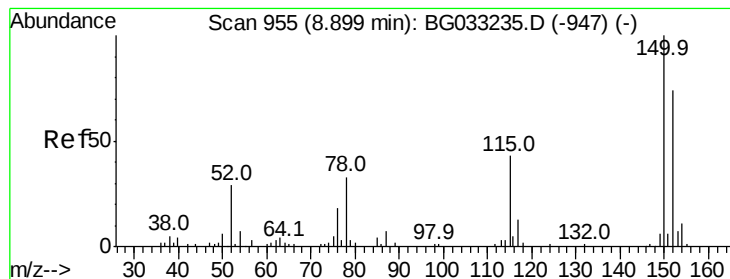
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG033832.D

Acq: 17 Apr 2018 2:17

Instrument :

BNA_G

ClientSampleId :

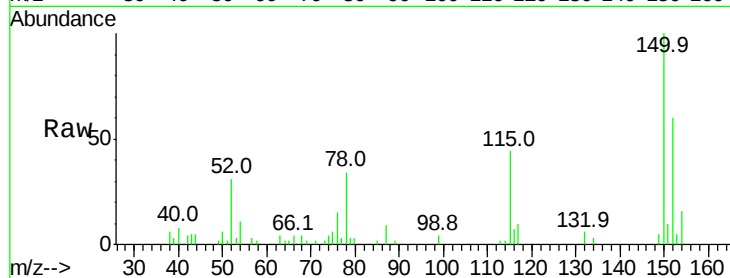
Tot Ion:152 Resp: 20267

Ion Ratio Lower Upper

152 100

150 166.7 126.6 189.8

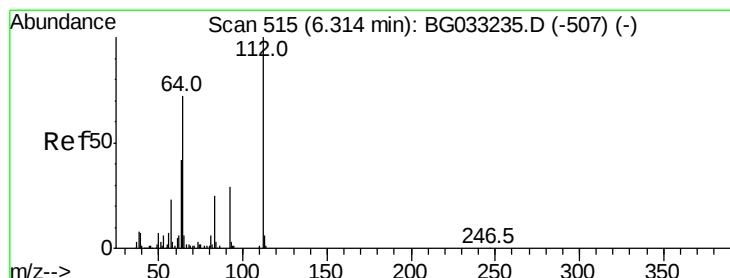
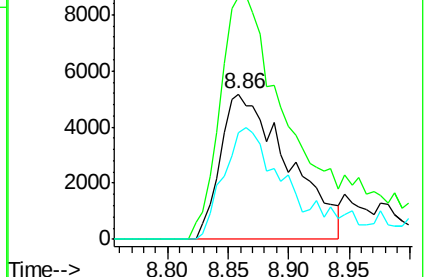
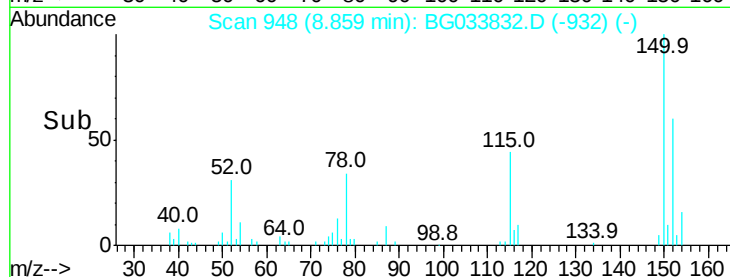
115 73.7 53.0 79.4



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: 28.105 ng

RT: 6.31 min Scan# 514

Delta R.T. 0.01 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

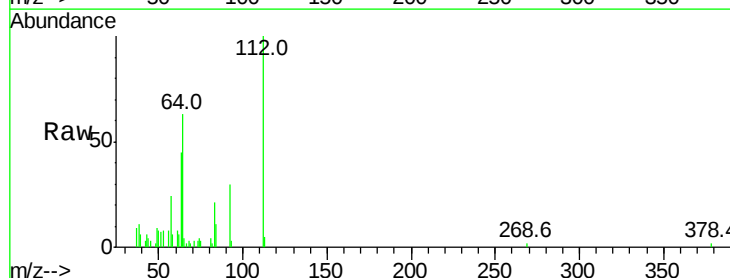
Tgt Ion:112 Resp: 30377

Ion Ratio Lower Upper

112 100

64 63.2 56.3 84.5

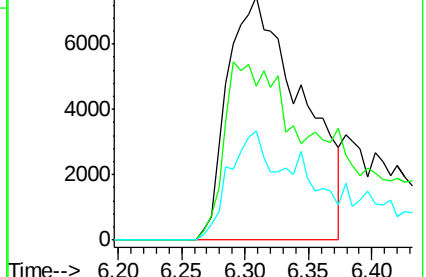
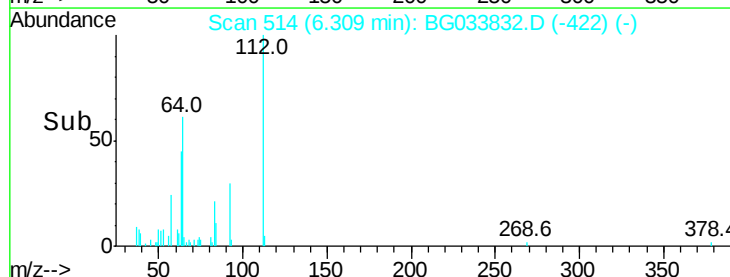
63 44.7 30.1 45.1

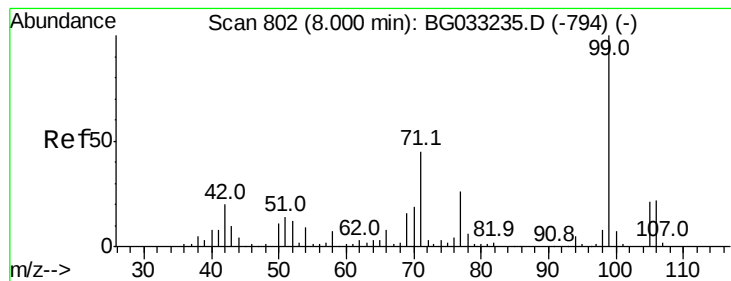


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 13.992 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.02 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

Instrument :

BNA_G

ClientSampleId :

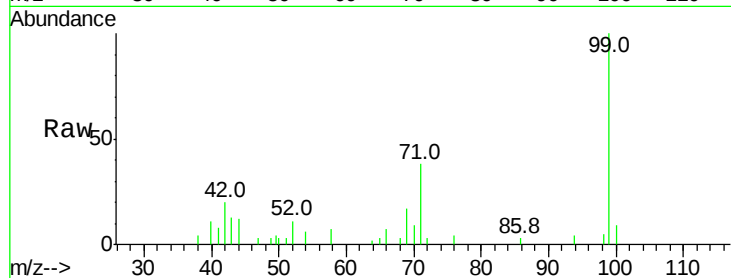
Tot Ion: 99 Resp: 25985

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

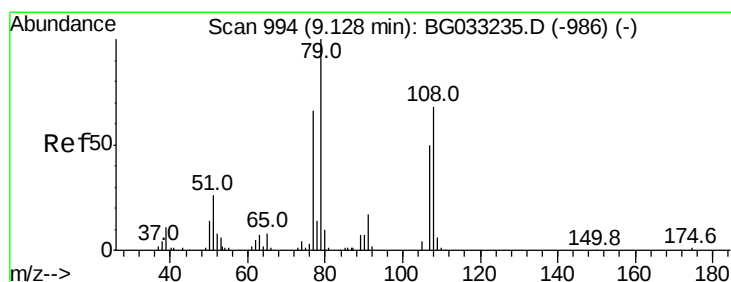
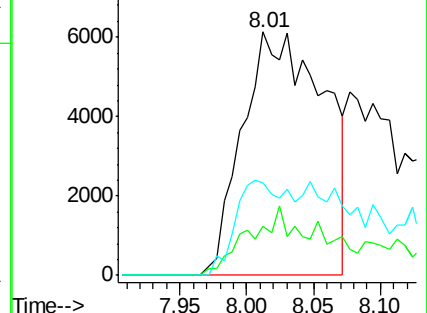
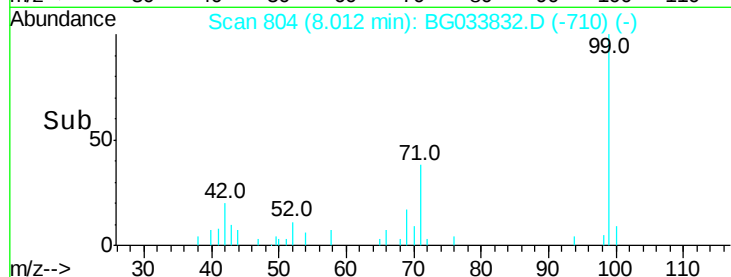
71 38.0 26.1 39.1



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: 2.282 ng

RT: 9.18 min Scan# 1002

Delta R.T. 0.06 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

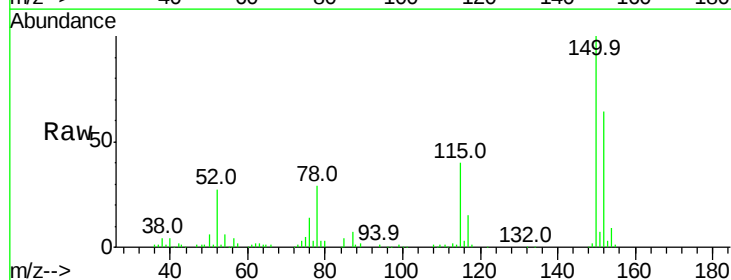
Tgt Ion: 79 Resp: 3336

Ion Ratio Lower Upper

79 100

108 21.6 57.2 85.8#

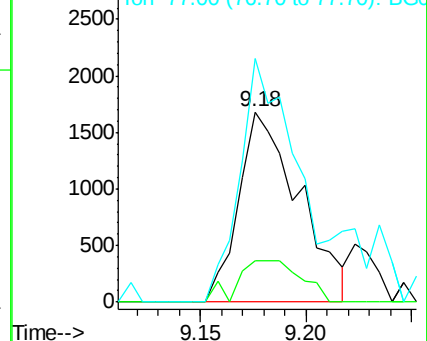
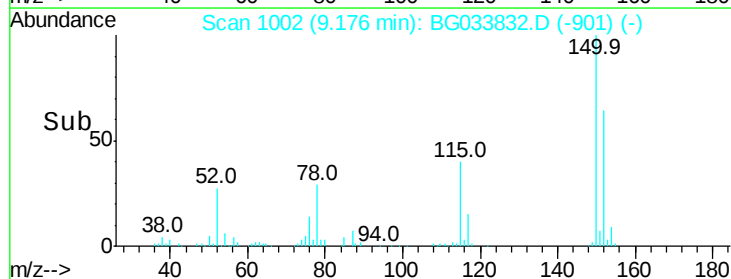
77 127.9 46.1 69.1#

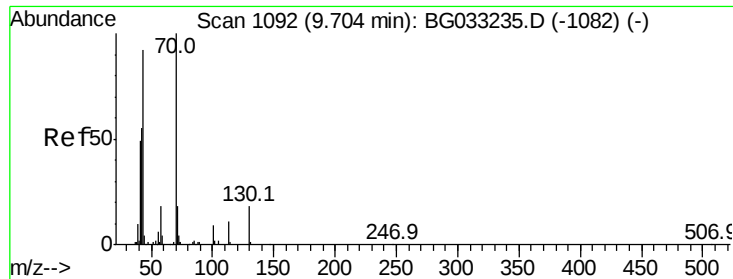


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

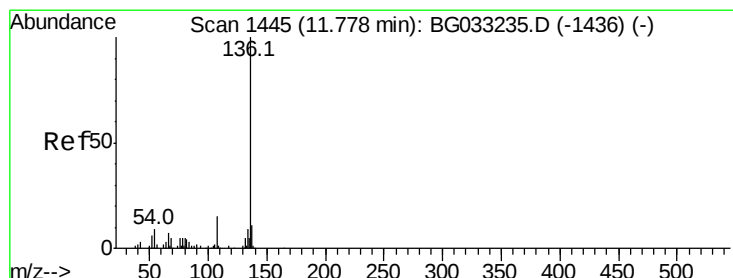
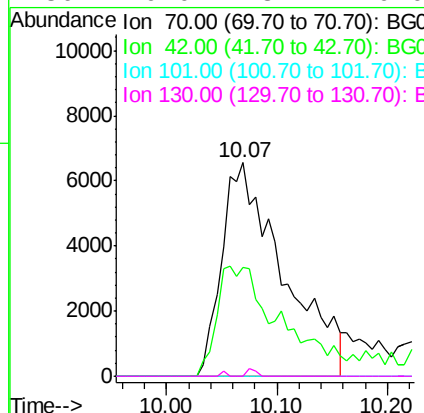
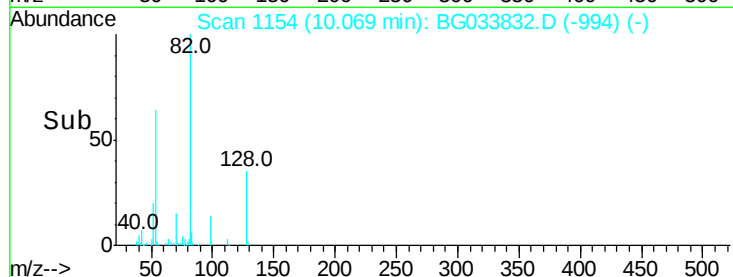
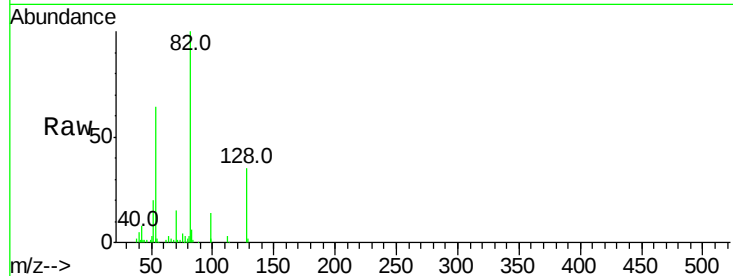




#19
n-Nitroso-di-n-propylamine
Concen: 18.748 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.41 min
Lab File: BG033832.D
Acq: 17 Apr 2018 2:17

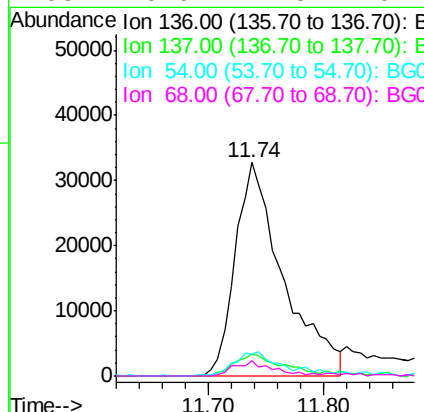
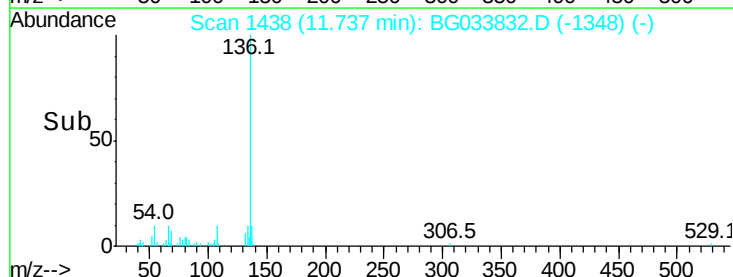
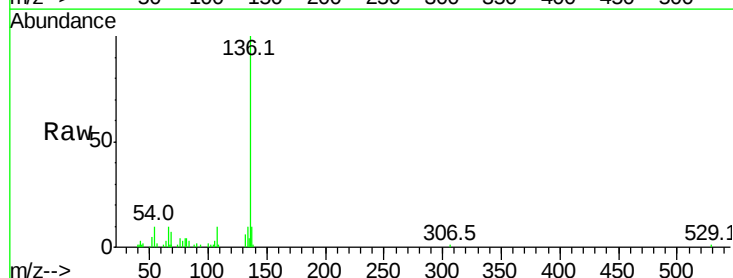
Instrument :
BNA_G
ClientSampleId :

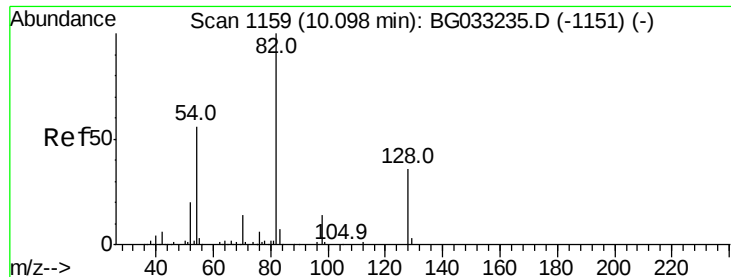
Tot Ion: 70 Resp: 25513
Ion Ratio Lower Upper
70 100
42 50.8 49.1 73.7
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033832.D
Acq: 17 Apr 2018 2:17

Tgt Ion: 136 Resp: 94569
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 9.9 10.3 15.5#
68 6.9 4.5 6.7#

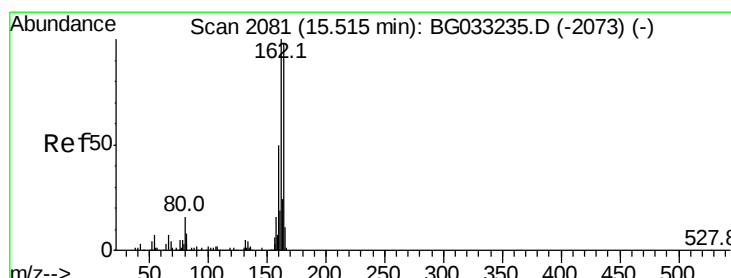
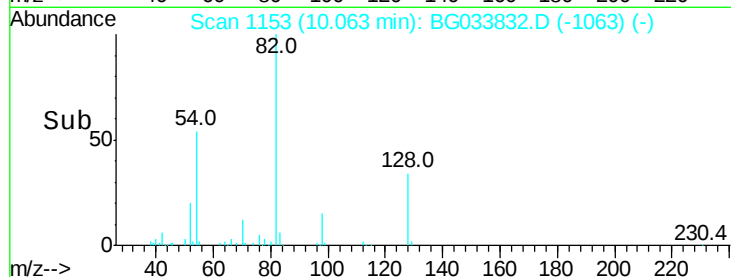
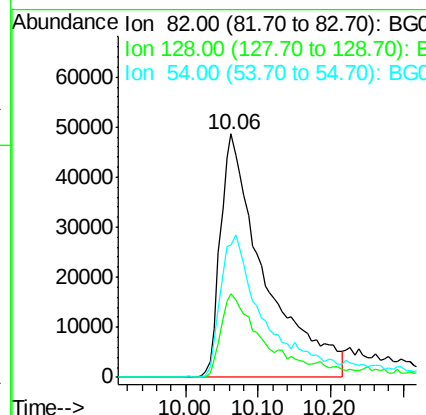
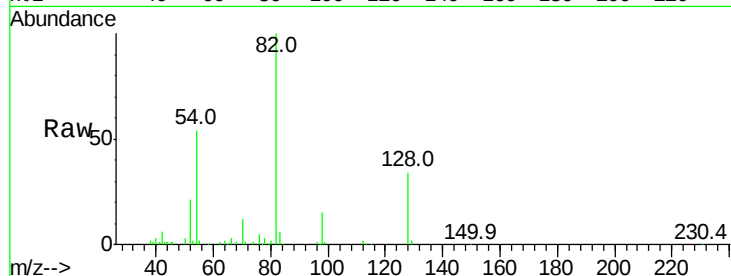




#23
 Nitrobenzene-d5
 Concen: 100.318 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

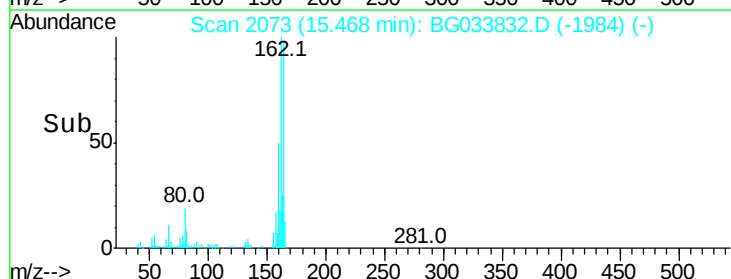
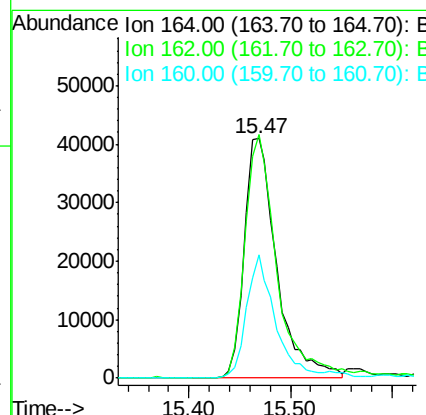
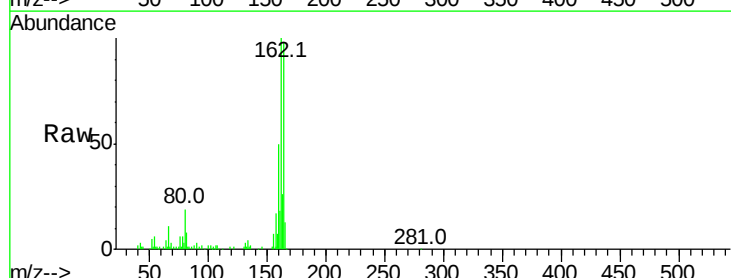
Instrument :
 BNA_G
 ClientSampleId :

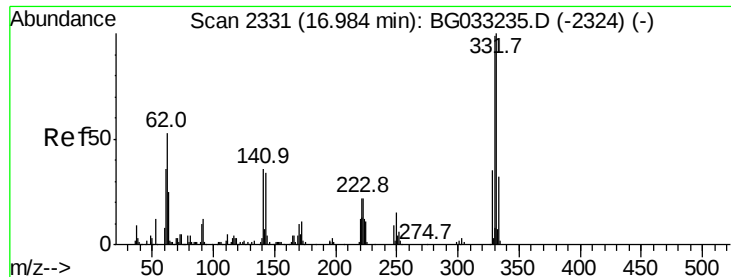
Tot Ion: 82 Resp: 206489
 Ion Ratio Lower Upper
 82 100
 128 34.4 29.7 44.5
 54 54.2 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Tgt Ion:164 Resp: 90972
 Ion Ratio Lower Upper
 164 100
 162 101.8 78.8 118.2
 160 51.4 35.4 53.0

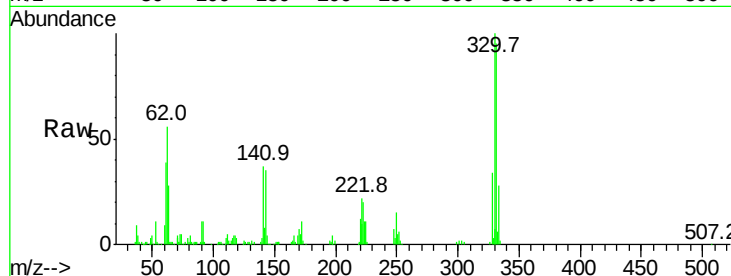




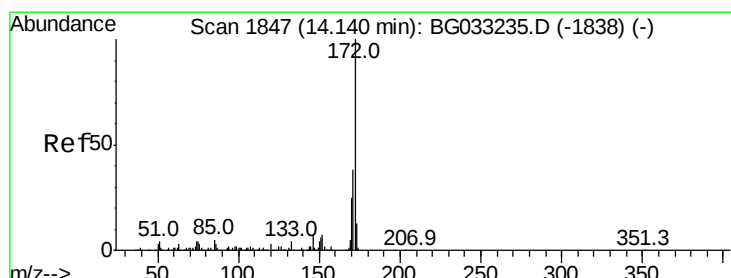
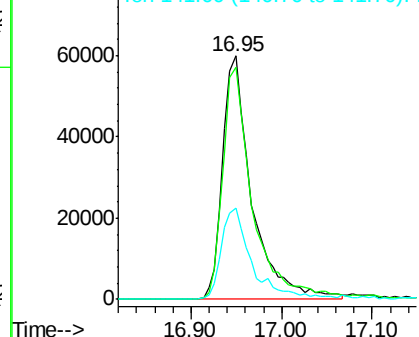
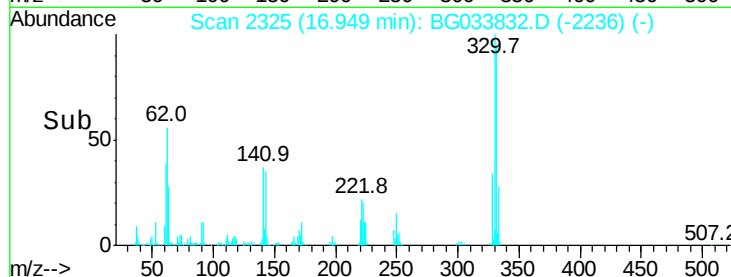
#41
 2,4,6-Tribromophenol
 Concen: 98.682 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 134266
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 39.0 25.2 37.8#

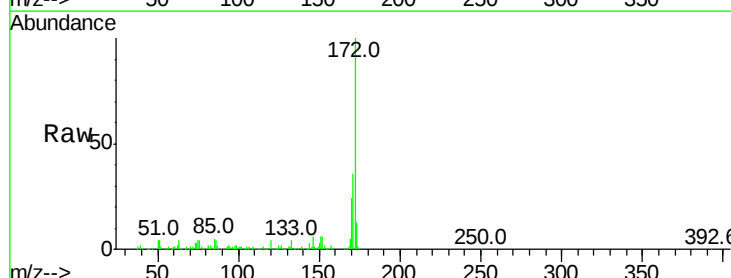


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

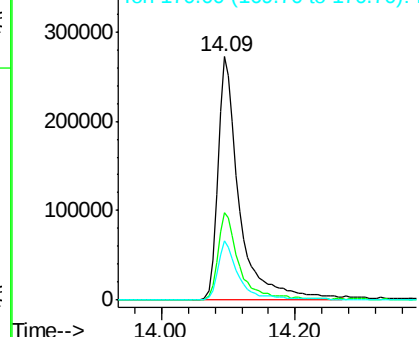
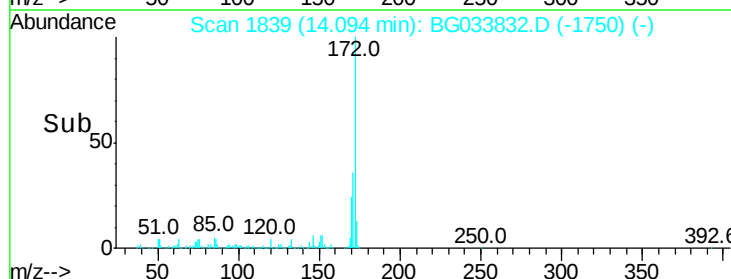


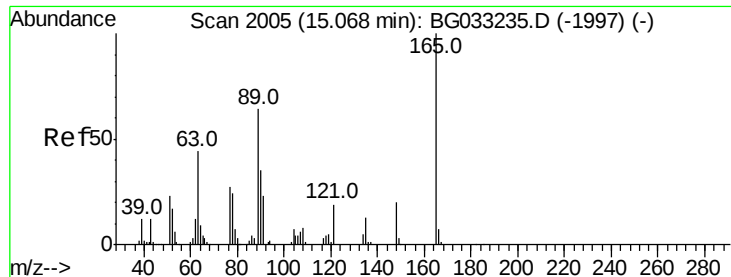
#44
 2-Fluorobiphenyl
 Concen: 98.089 ng
 RT: 14.09 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Tgt Ion:172 Resp: 618115
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.0 45.0
 170 24.4 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

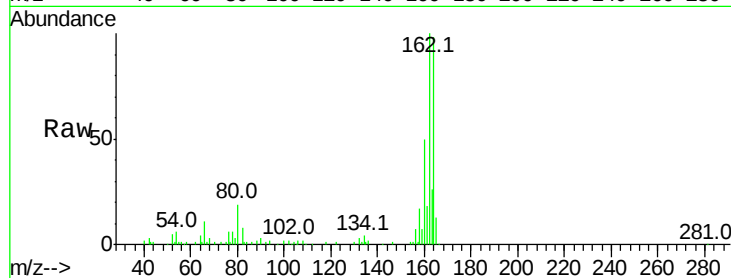




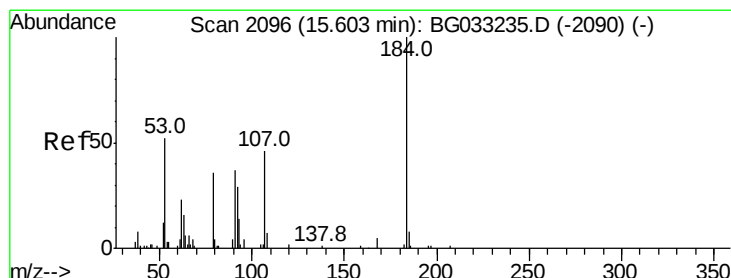
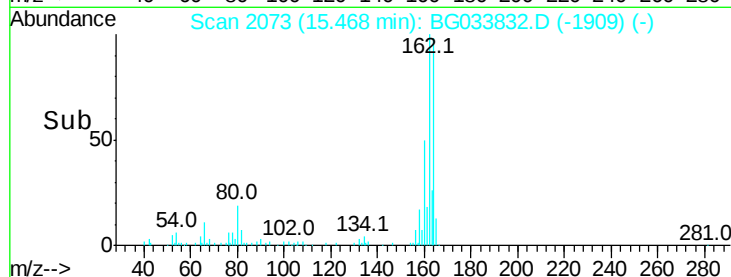
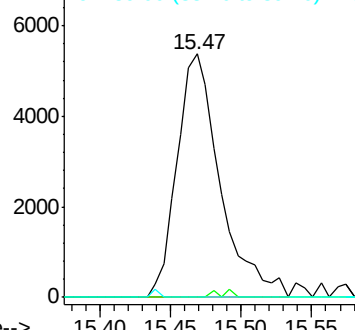
#50
 2,6-Dinitrotoluene
 Concen: 7.088 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 11474
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

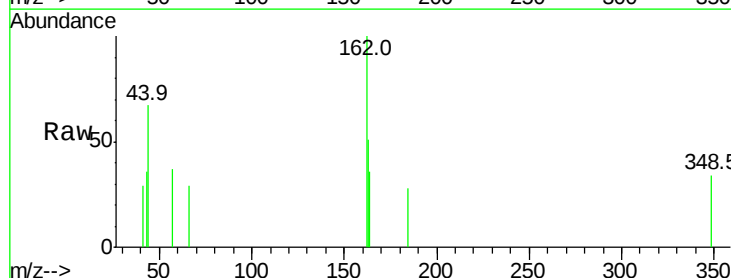


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

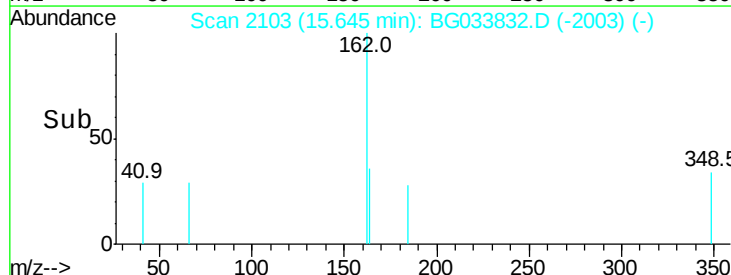
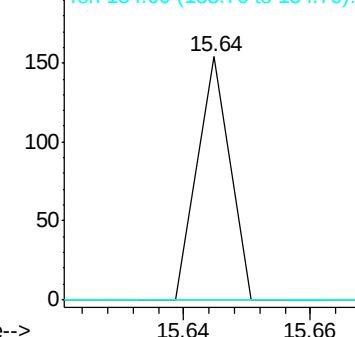


#53
 2,4-Dinitrophenol
 Concen: 7.701 ng
 RT: 15.64 min Scan# 2103
 Delta R.T. 0.06 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Tgt Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 4.814 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.35 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 11474

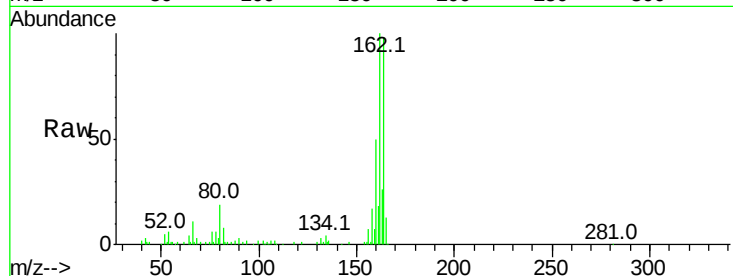
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

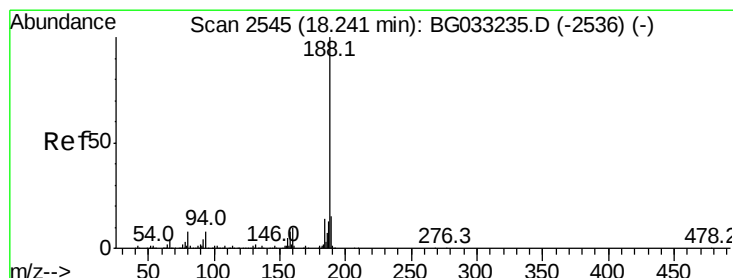
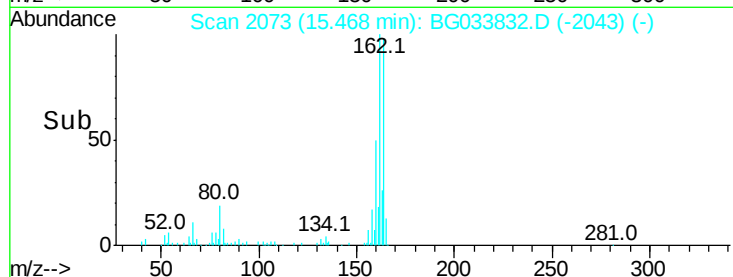
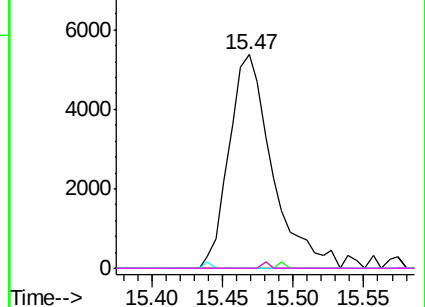


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.20 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

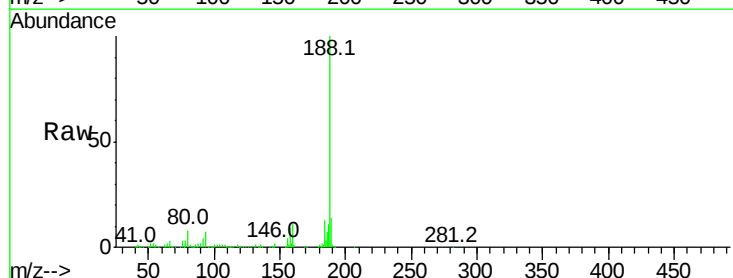
Tgt Ion:188 Resp: 274401

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

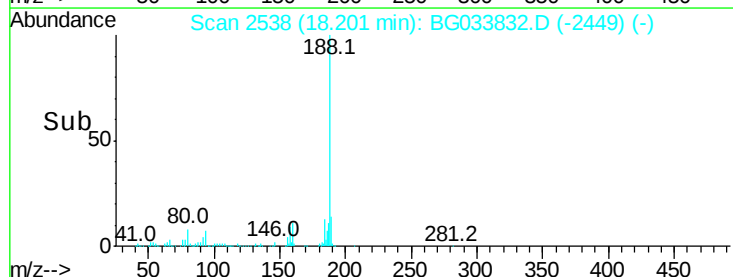
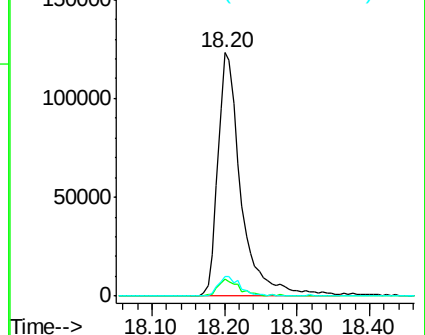
80 8.3 7.7 11.5

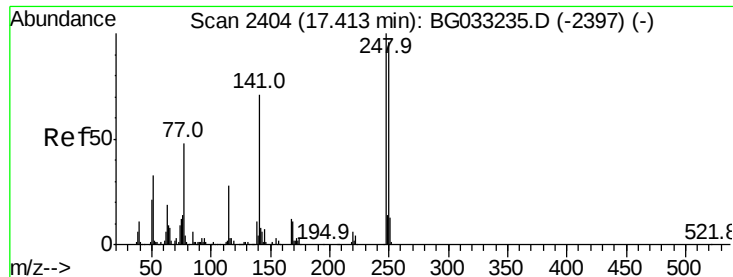


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

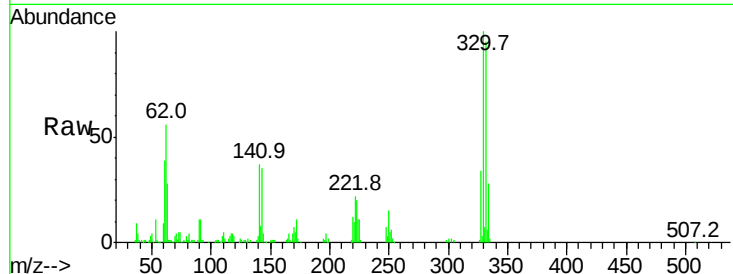




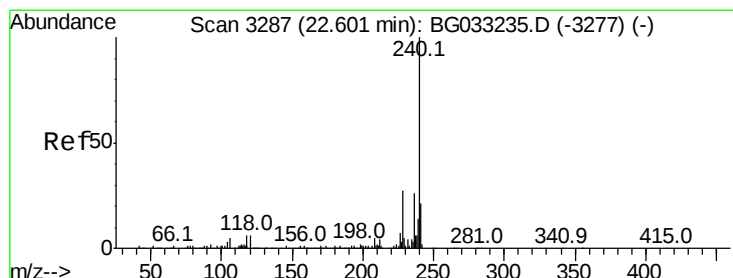
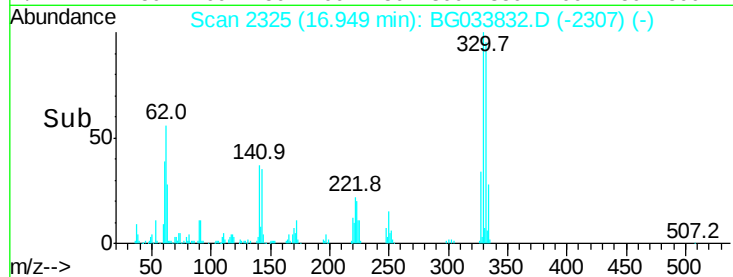
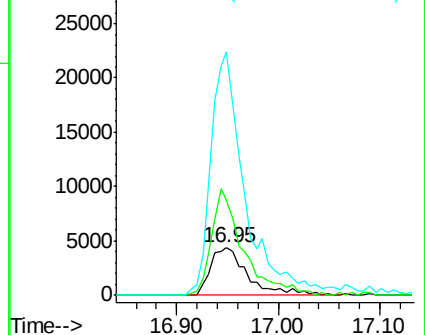
#66
4-Bromophenyl-phenylether
Concen: 3.474 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.42 min
Lab File: BG033832.D
Acq: 17 Apr 2018 2:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 11196
Ion Ratio Lower Upper
248 100
250 146.1 77.1 115.7#
141 372.2 50.8 76.2#

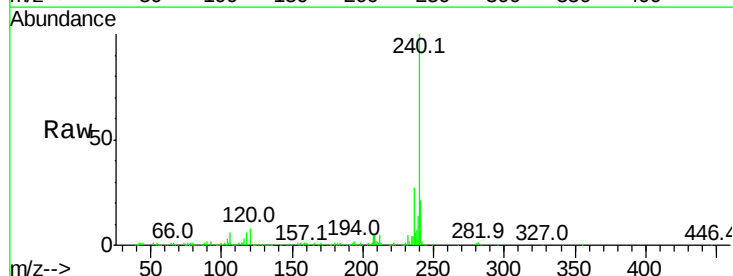


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

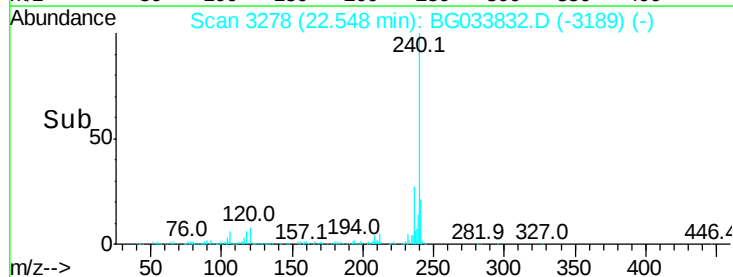
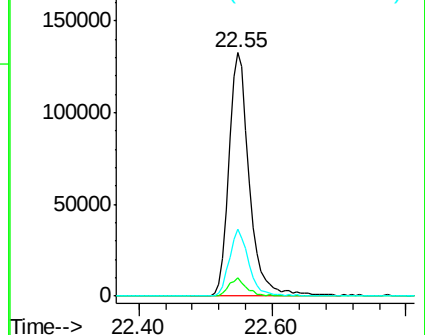


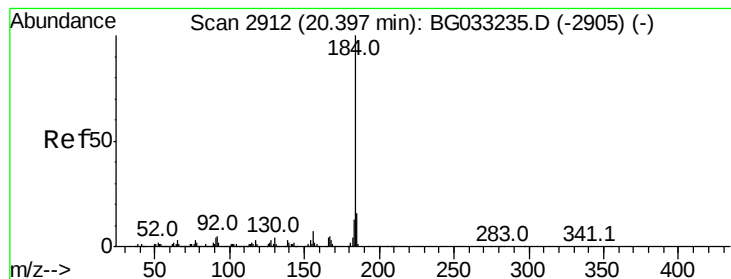
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.01 min
Lab File: BG033832.D
Acq: 17 Apr 2018 2:17

Tgt Ion:240 Resp: 286820
Ion Ratio Lower Upper
240 100
120 7.8 6.8 10.2
236 27.4 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: 2.955 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.35 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

Instrument :

BNA_G

ClientSampleId :

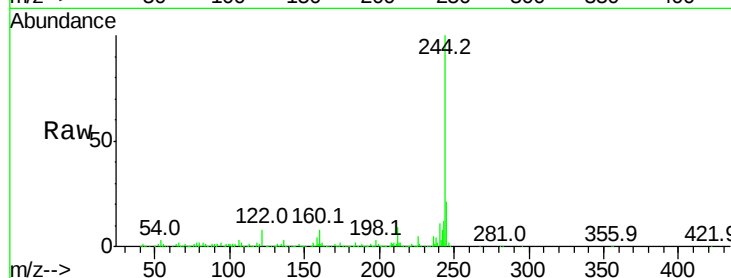
Tot Ion:184 Resp: 22984

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

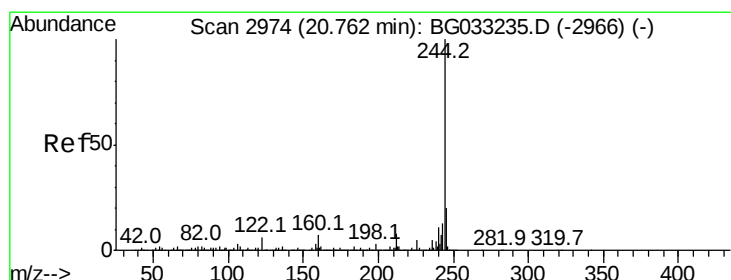
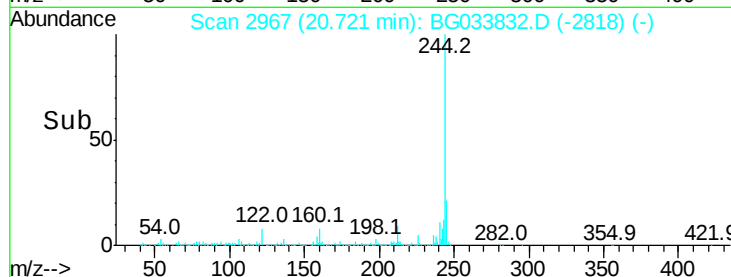
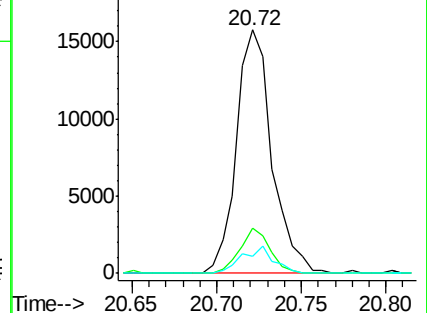
183 6.9 10.6 16.0#



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: 98.614 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BG033832.D

Acq: 17 Apr 2018 2:17

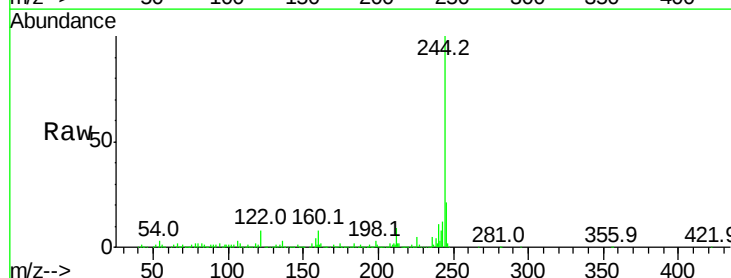
Tgt Ion:244 Resp: 1322570

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

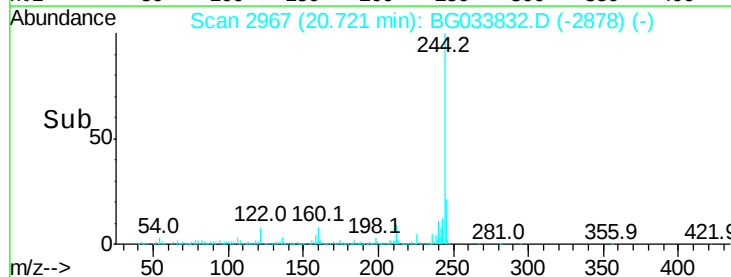
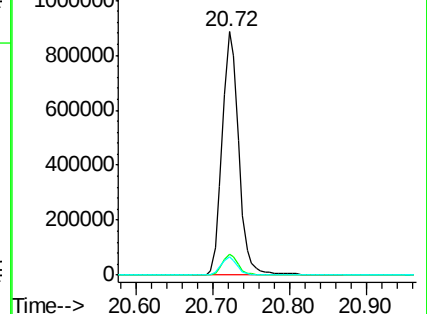
122 7.7 7.0 10.4



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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3918
 Delta R.T. -0.02 min
 Lab File: BG033832.D
 Acq: 17 Apr 2018 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.0	17.4	26.0
265	21.9	17.7	26.5

