

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\
 Data File : BG033843.D
 Acq On : 17 Apr 2018 9:11
 Operator : SJ/JU
 Sample : J2392-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 10:54:18 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

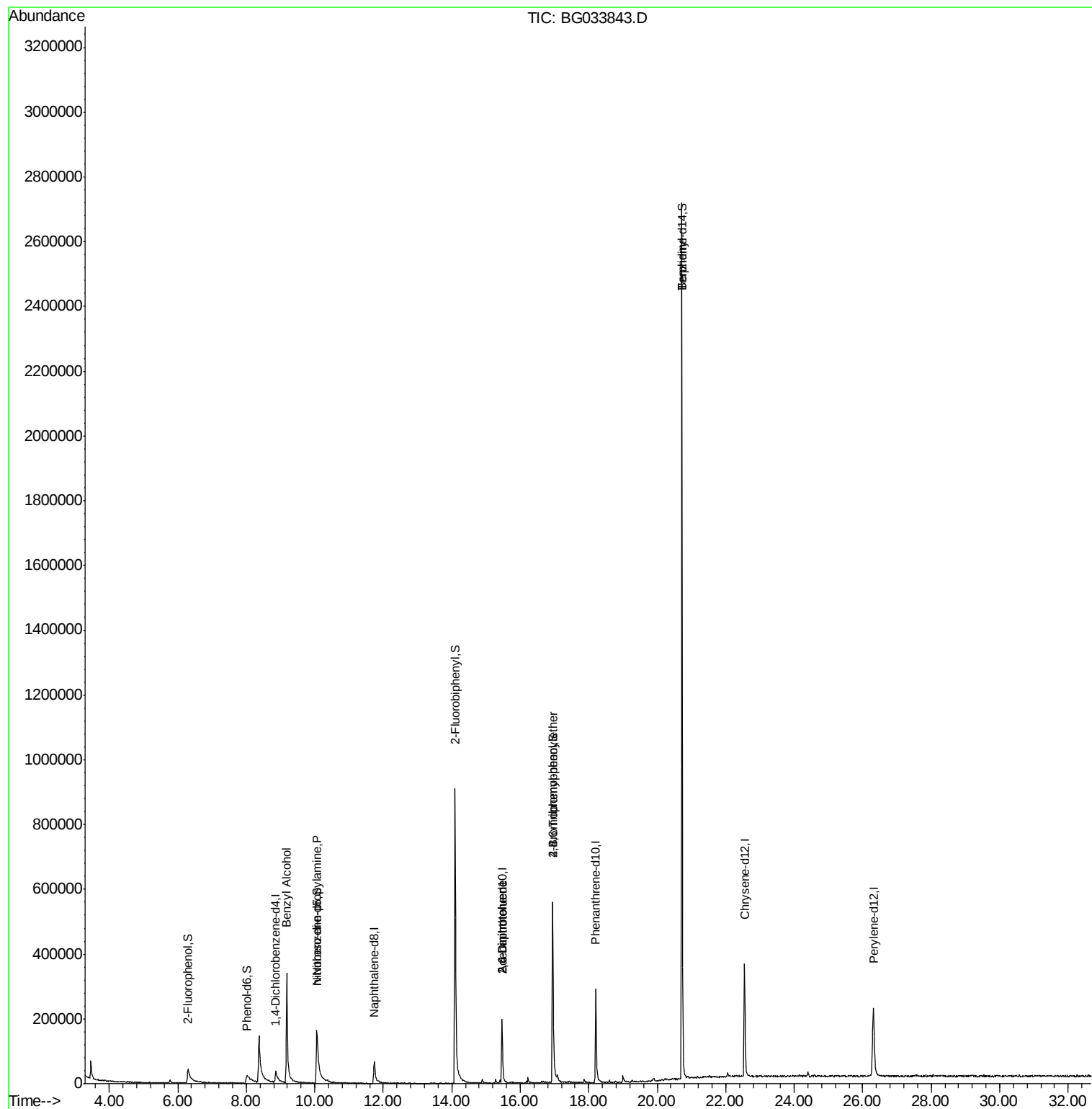
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	20139	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	108769	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	92701	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	271397	20.00	ng	0.00
75) Chrysene-d12	22.55	240	291215	20.00	ng	0.00
86) Perylene-d12	26.31	264	309713	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	45081	41.97	ng	0.00
7) Phenol-d6	8.01	99	13139	7.12	ng	0.02
23) Nitrobenzene-d5	10.06	82	230006	97.15	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	158686	114.45	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	705411	109.85	ng	0.00
78) Terphenyl-d14	20.72	244	1457224	107.01	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.18	79	4633	3.189	ng	# 41
19) n-Nitroso-di-n-propylamine	10.06	70	30351	22.445	ng	# 76
50) 2,6-Dinitrotoluene	15.47	165	11068	6.710	ng	# 21
56) 2,4-Dinitrotoluene	15.47	165	11068	4.557	ng	# 18
66) 4-Bromophenyl-phenylether	16.94	248	12219	3.834	ng	# 1
76) Benzidine	20.72	184	23974	3.036	ng	# 92

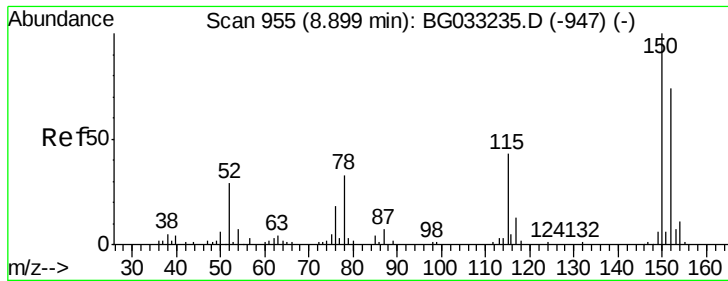
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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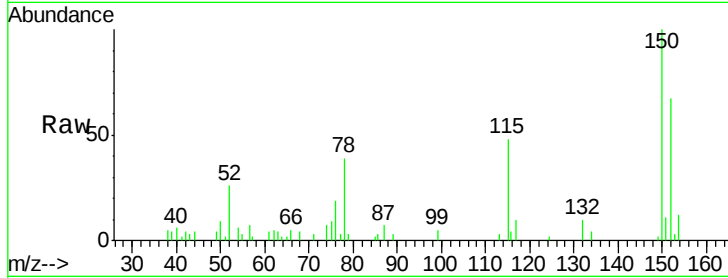


#1

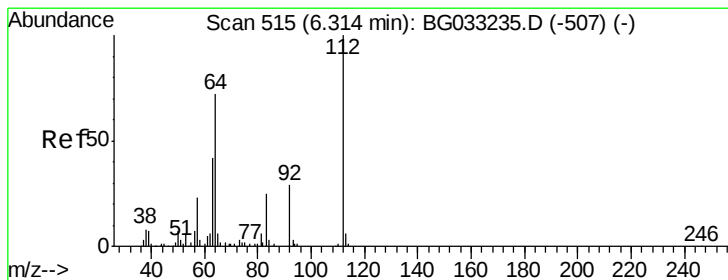
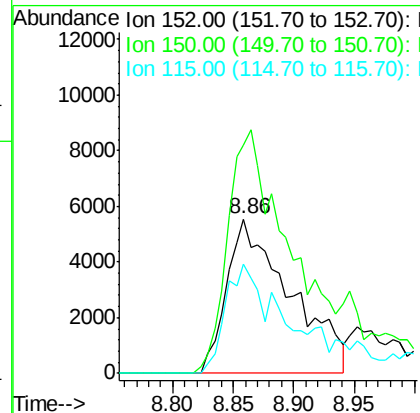
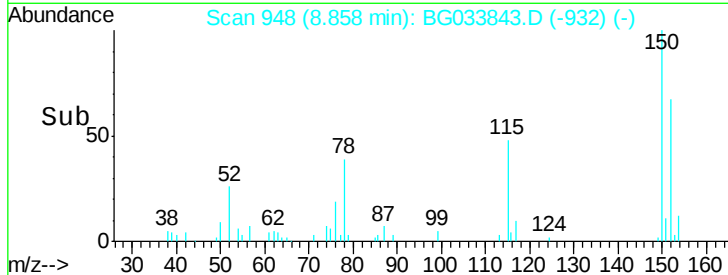
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 20139
Ion Ratio Lower Upper
152 100
150 148.2 126.6 189.8
115 70.6 53.0 79.4



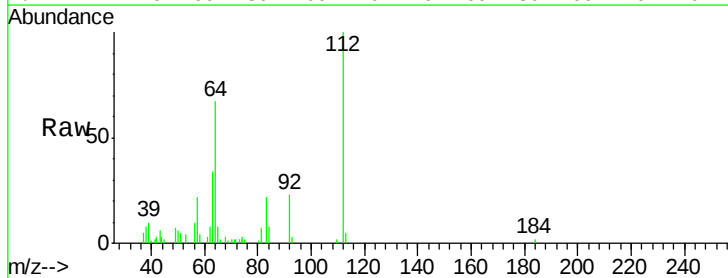
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



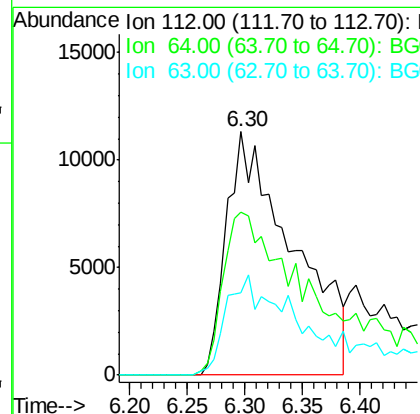
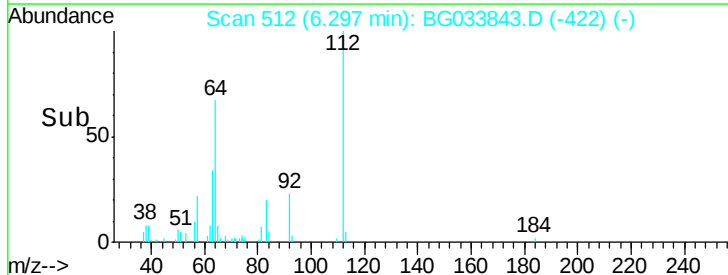
#5

2-Fluorophenol
Concen: 41.974 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

Tgt Ion:112 Resp: 45081
Ion Ratio Lower Upper
112 100
64 66.8 56.3 84.5
63 33.9 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: 7.120 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.02 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

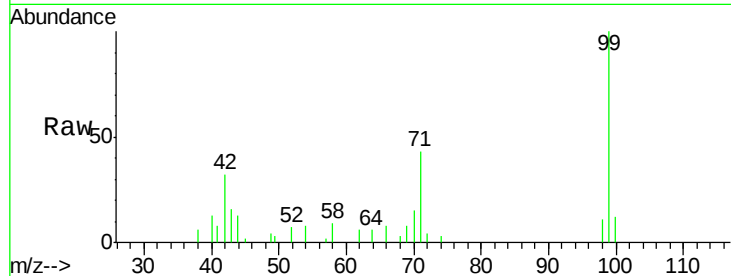
Tot Ion: 99 Resp: 13139

Ion Ratio Lower Upper

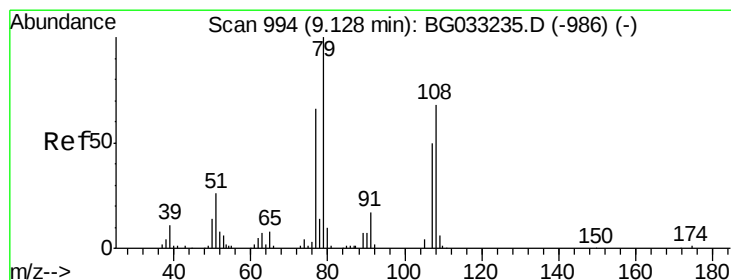
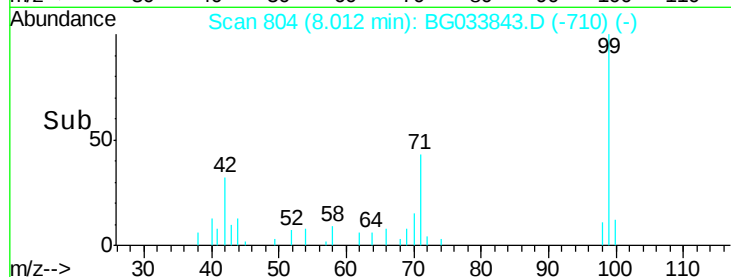
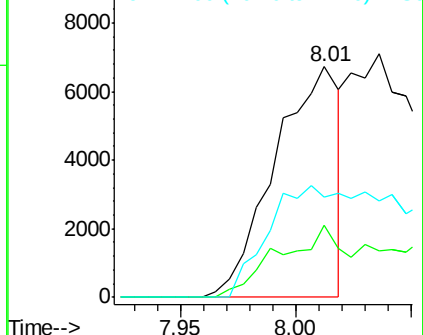
99 100

42 31.6 14.1 21.1#

71 43.4 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: 3.189 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.07 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

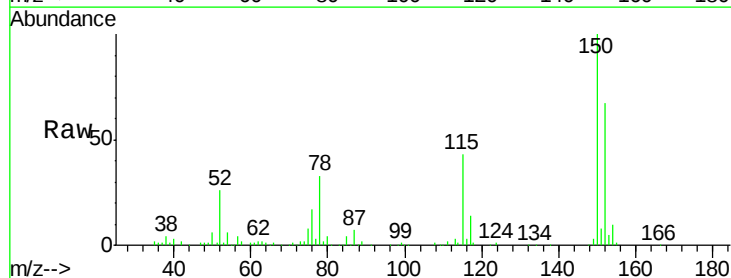
Tgt Ion: 79 Resp: 4633

Ion Ratio Lower Upper

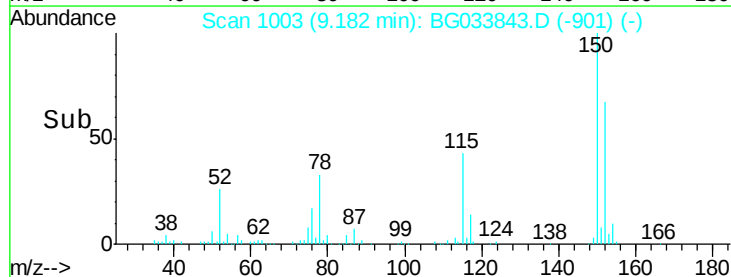
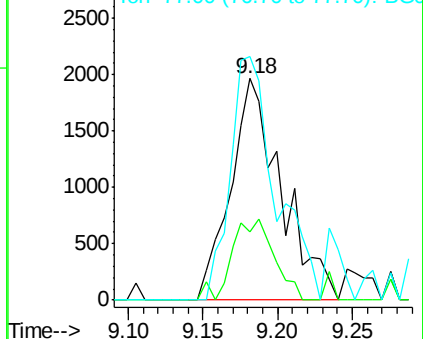
79 100

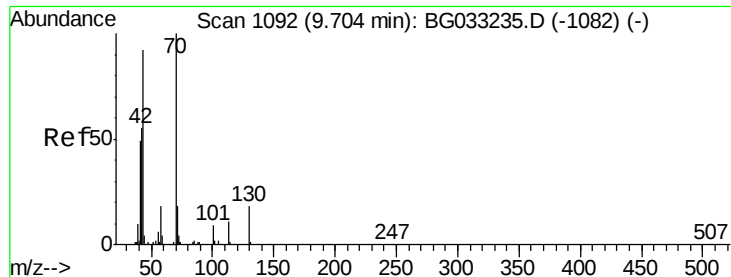
108 30.9 57.2 85.8#

77 109.9 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

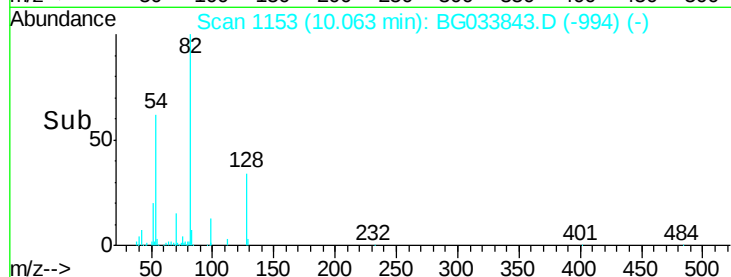
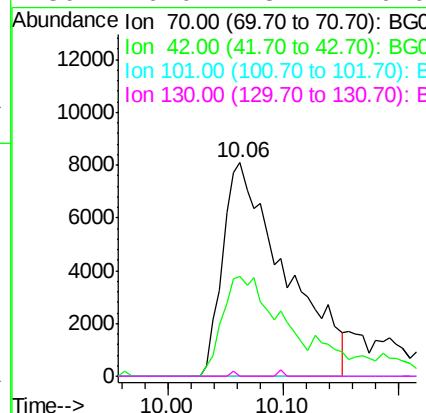
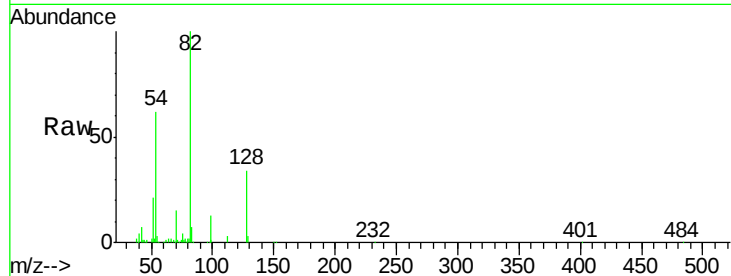




#19
n-Nitroso-di-n-propylamine
Concen: 22.445 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.41 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

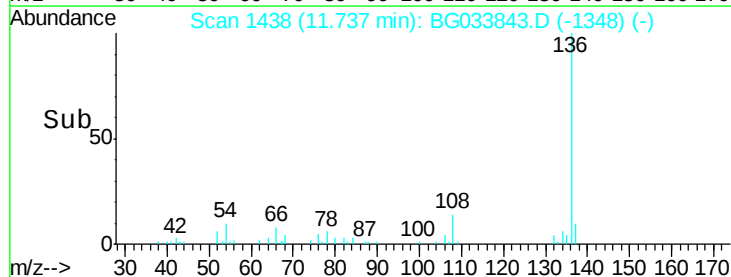
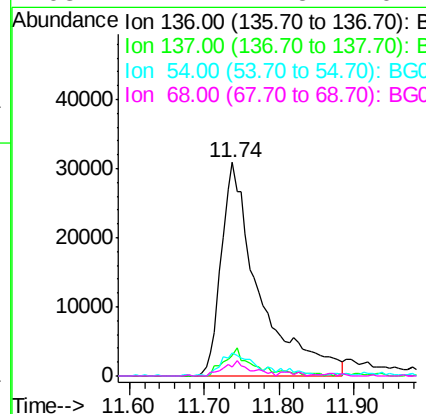
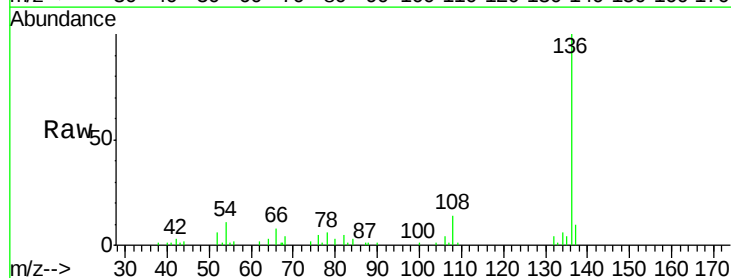
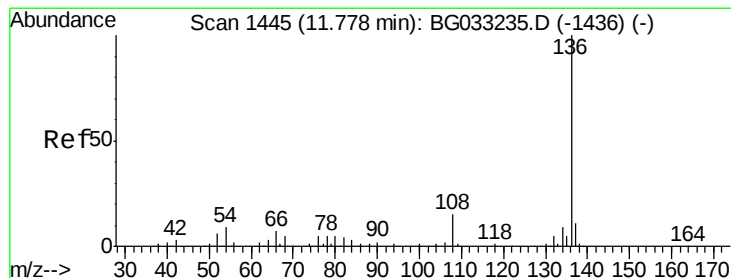
Instrument :
BNA_G
ClientSampleId :

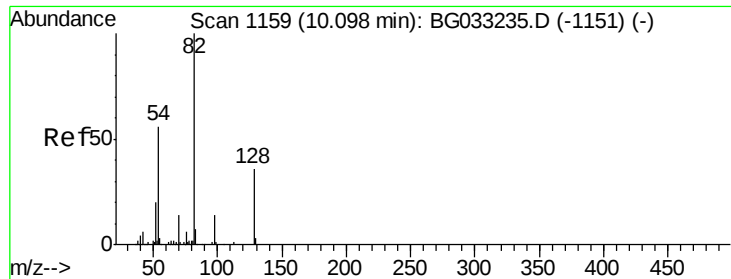
Tot Ion:	70	Resp:	30351
Ion	Ratio	Lower	Upper
70	100		
42	46.5	49.1	73.7#
101	0.0	8.5	12.7#
130	0.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

Tgt Ion:	136	Resp:	108769
Ion	Ratio	Lower	Upper
136	100		
137	9.6	9.2	13.8
54	10.8	10.3	15.5
68	4.4	4.5	6.7#

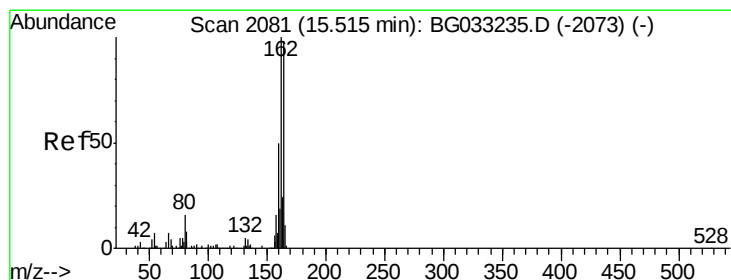
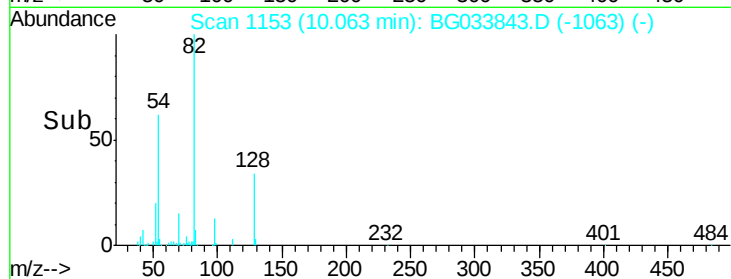
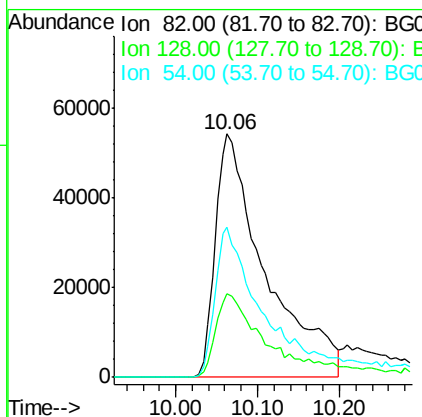
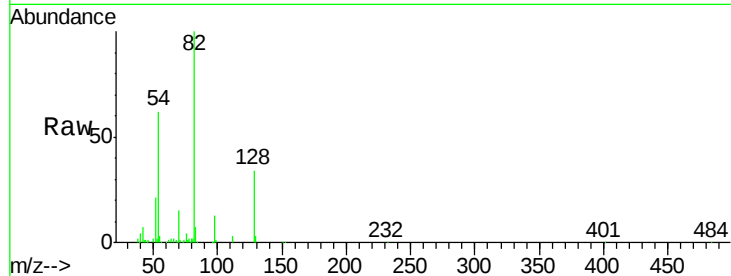




#23
 Nitrobenzene-d5
 Concen: 97.155 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BG033843.D
 Acq: 17 Apr 2018 9:11

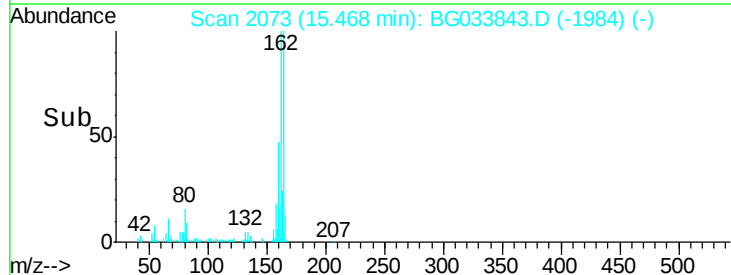
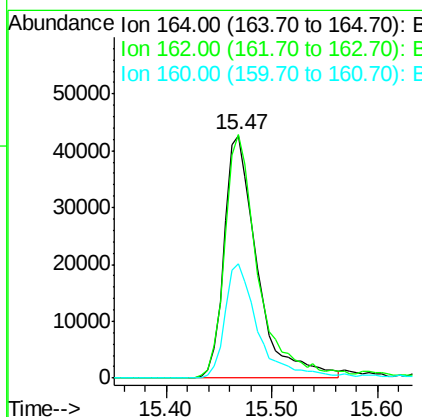
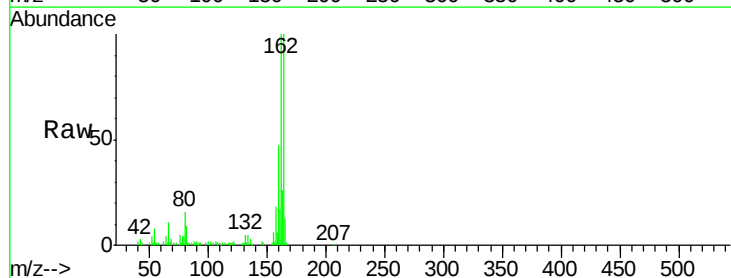
Instrument :
 BNA_G
 ClientSampleId :

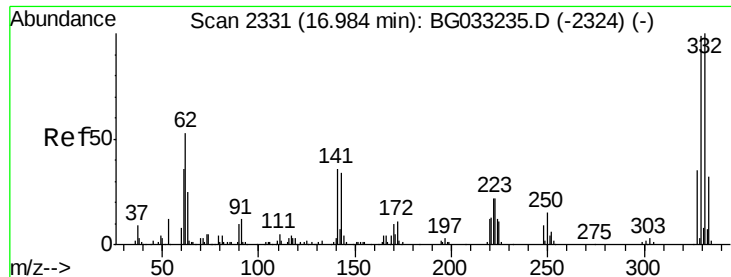
Tot Ion: 82 Resp: 230006
 Ion Ratio Lower Upper
 82 100
 128 34.5 29.7 44.5
 54 61.9 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: BG033843.D
 Acq: 17 Apr 2018 9:11

Tgt Ion: 164 Resp: 92701
 Ion Ratio Lower Upper
 164 100
 162 100.4 78.8 118.2
 160 47.1 35.4 53.0

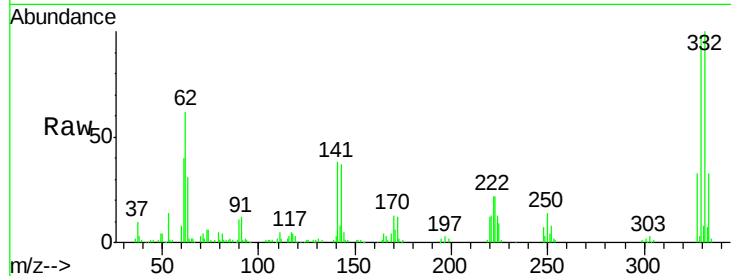




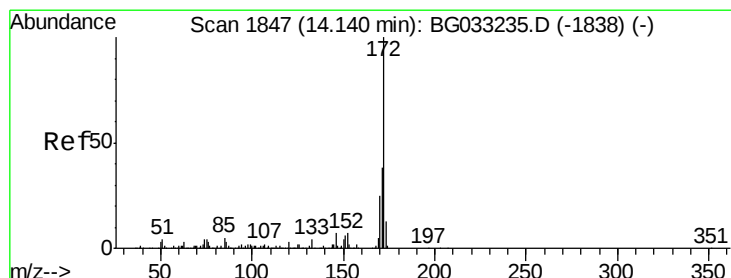
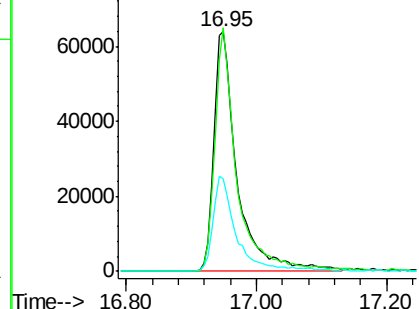
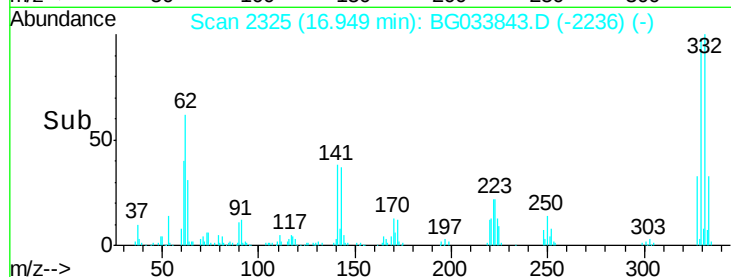
#41
 2,4,6-Tribromophenol
 Concen: 114.455 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033843.D
 Acq: 17 Apr 2018 9:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	38.3	25.2	37.8#

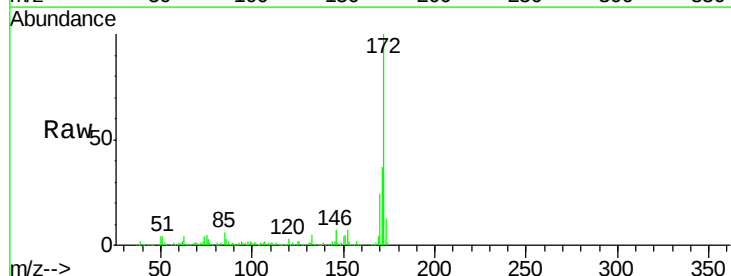


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

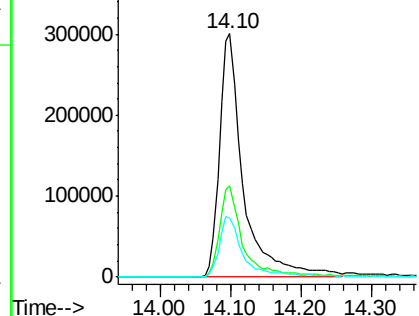
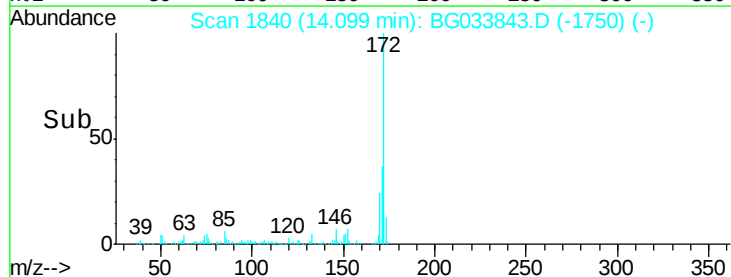


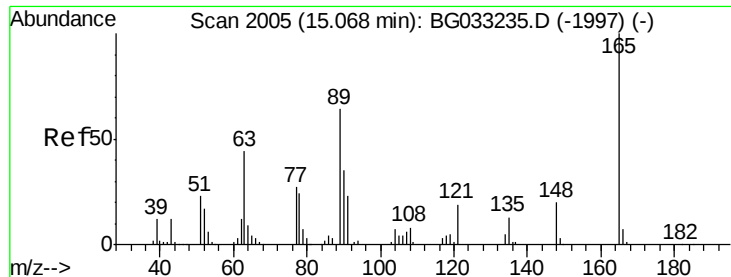
#44
 2-Fluorobiphenyl
 Concen: 109.854 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BG033843.D
 Acq: 17 Apr 2018 9:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.2	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

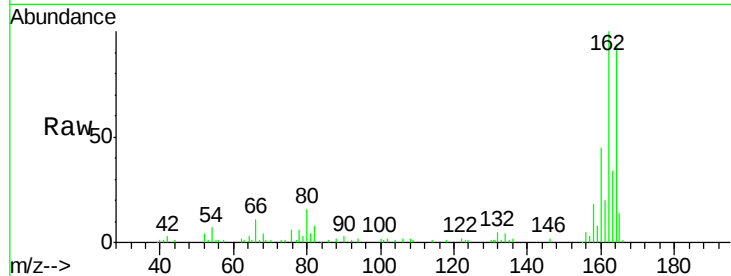




#50
2,6-Dinitrotoluene
Concen: 6.710 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

Instrument :
BNA_G
ClientSampleId :

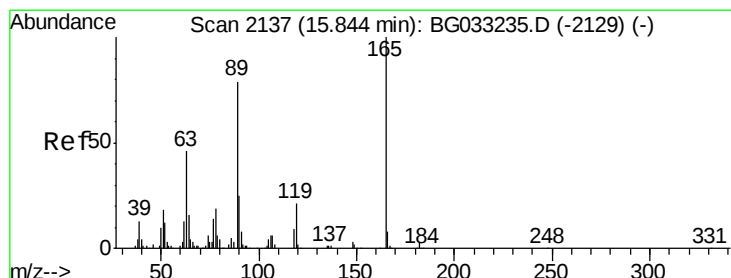
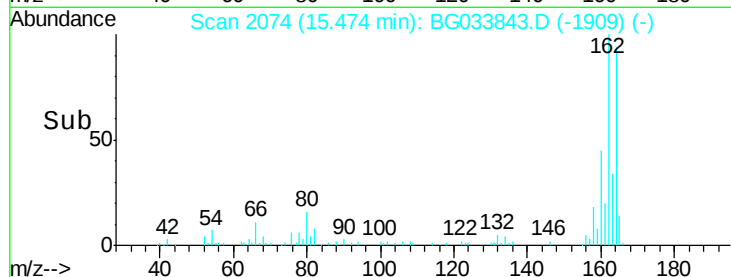
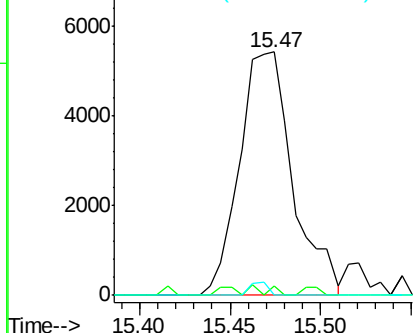
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.6	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

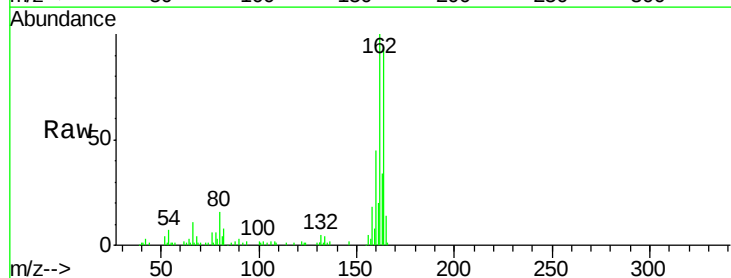
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
2,4-Dinitrotoluene
Concen: 4.557 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.35 min
Lab File: BG033843.D
Acq: 17 Apr 2018 9:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

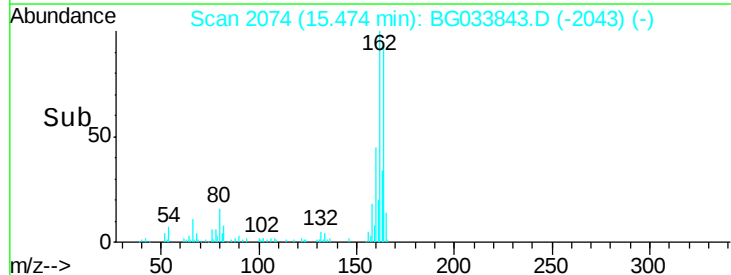
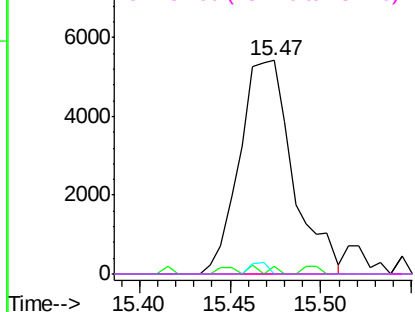


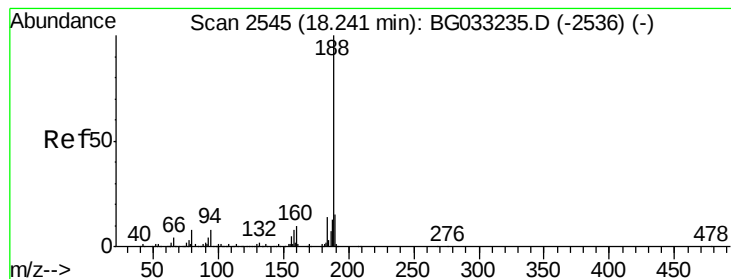
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033843.D

Acq: 17 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

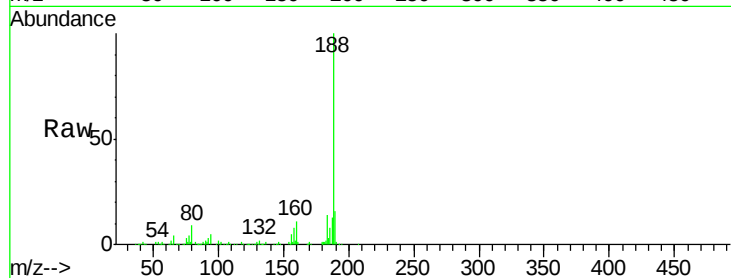
Tot Ion:188 Resp: 271397

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

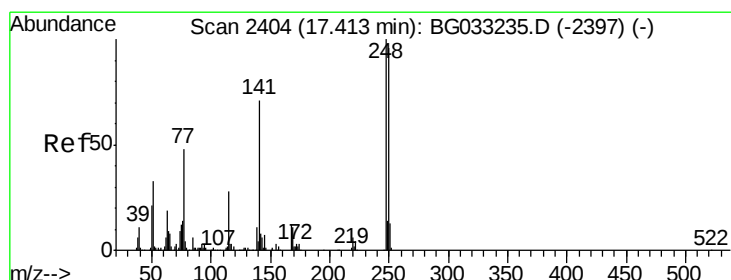
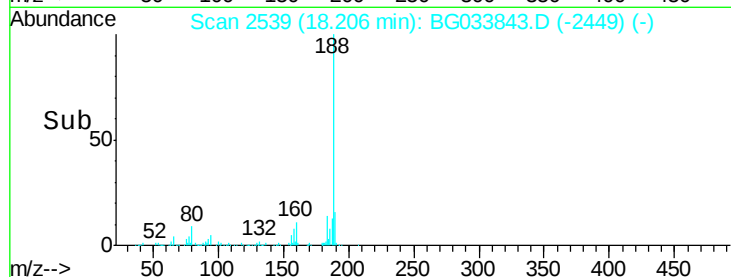
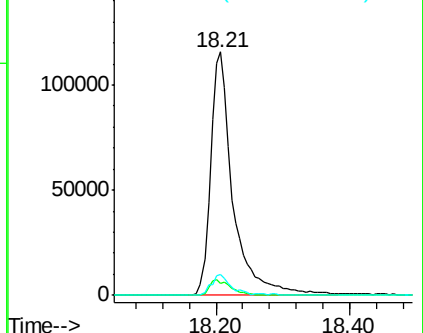
80 8.6 7.7 11.5



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: 3.834 ng

RT: 16.94 min Scan# 2324

Delta R.T. -0.43 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

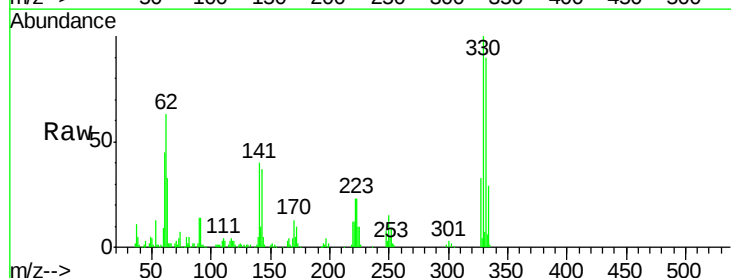
Tgt Ion:248 Resp: 12219

Ion Ratio Lower Upper

248 100

250 135.1 77.1 115.7#

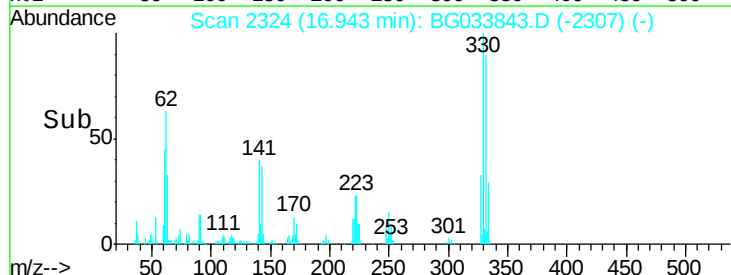
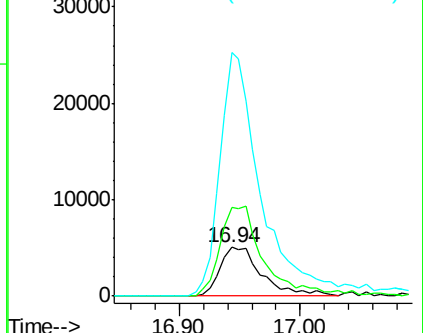
141 371.7 50.8 76.2#

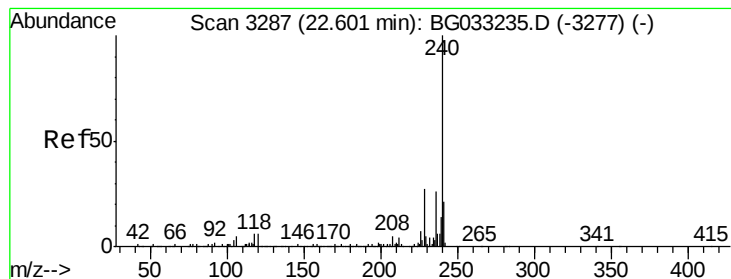


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033843.D

Acq: 17 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

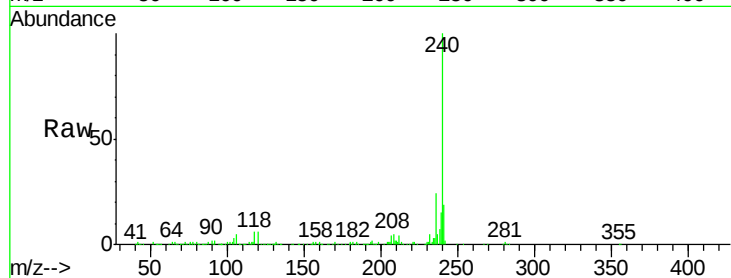
Tot Ion:240 Resp: 291215

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

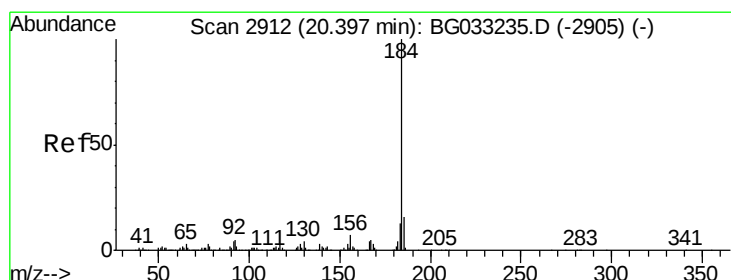
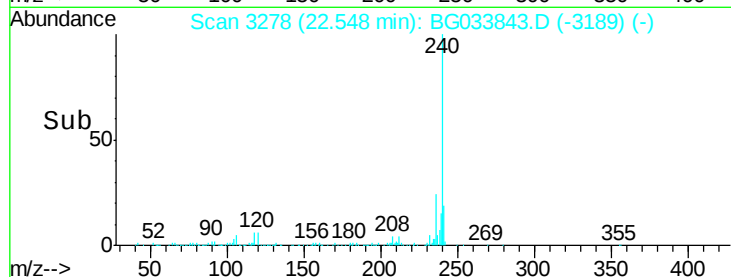
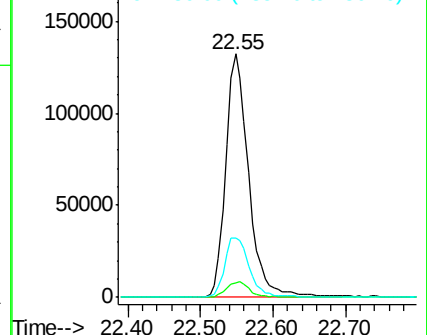
236 24.2 20.9 31.3



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



#76

Benzidine

Concen: 3.036 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.35 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

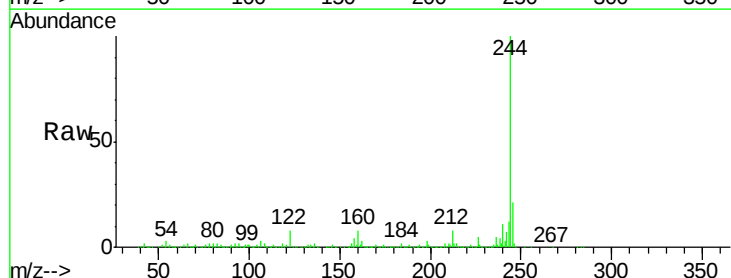
Tgt Ion:184 Resp: 23974

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

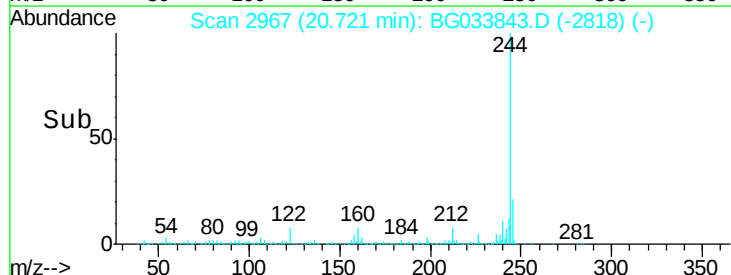
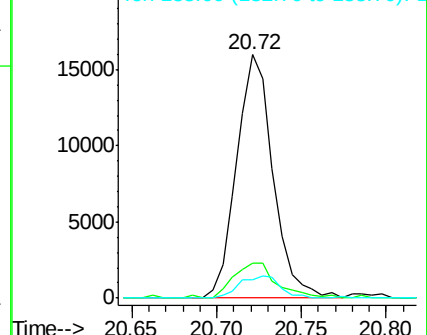
183 7.5 10.6 16.0#

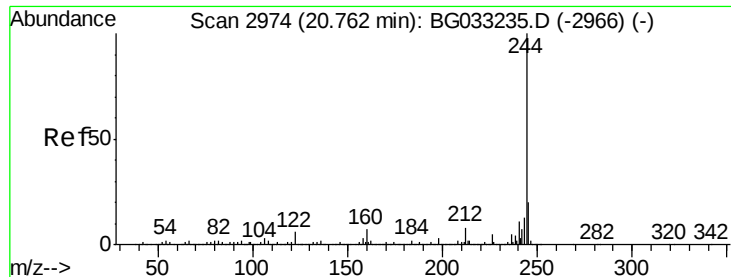


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.015 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

Instrument :

BNA_G

ClientSampleId :

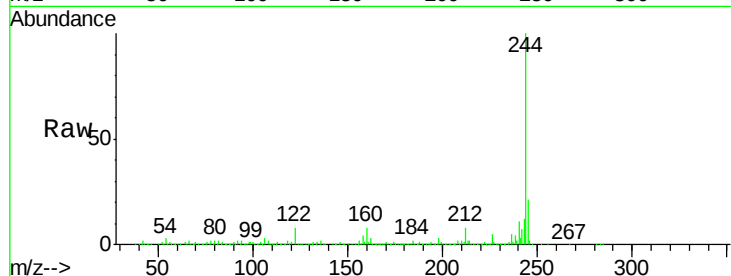
Tot Ion:244 Resp: 1457224

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

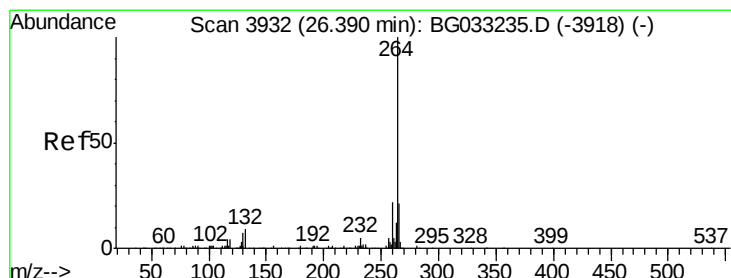
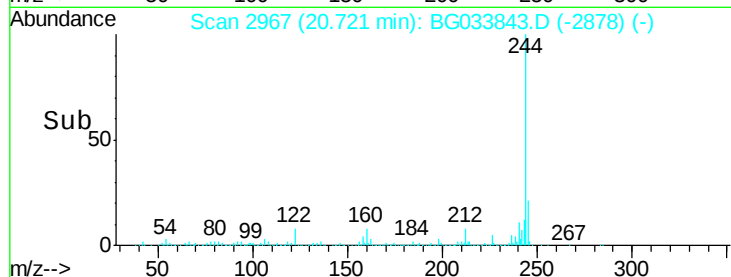
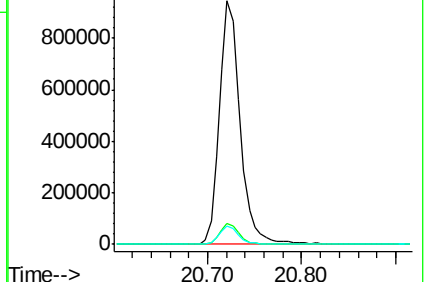
122 7.6 7.0 10.4



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# 3918

Delta R.T. -0.02 min

Lab File: BG033843.D

Acq: 17 Apr 2018 9:11

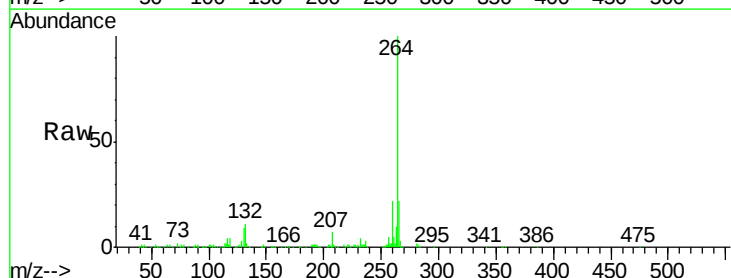
Tgt Ion:264 Resp: 309713

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 22.1 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

