

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033598.D
 Acq On : 5 Apr 2018 18:33
 Operator : SJ/JU
 Sample : J2216-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 06 03:19:57 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

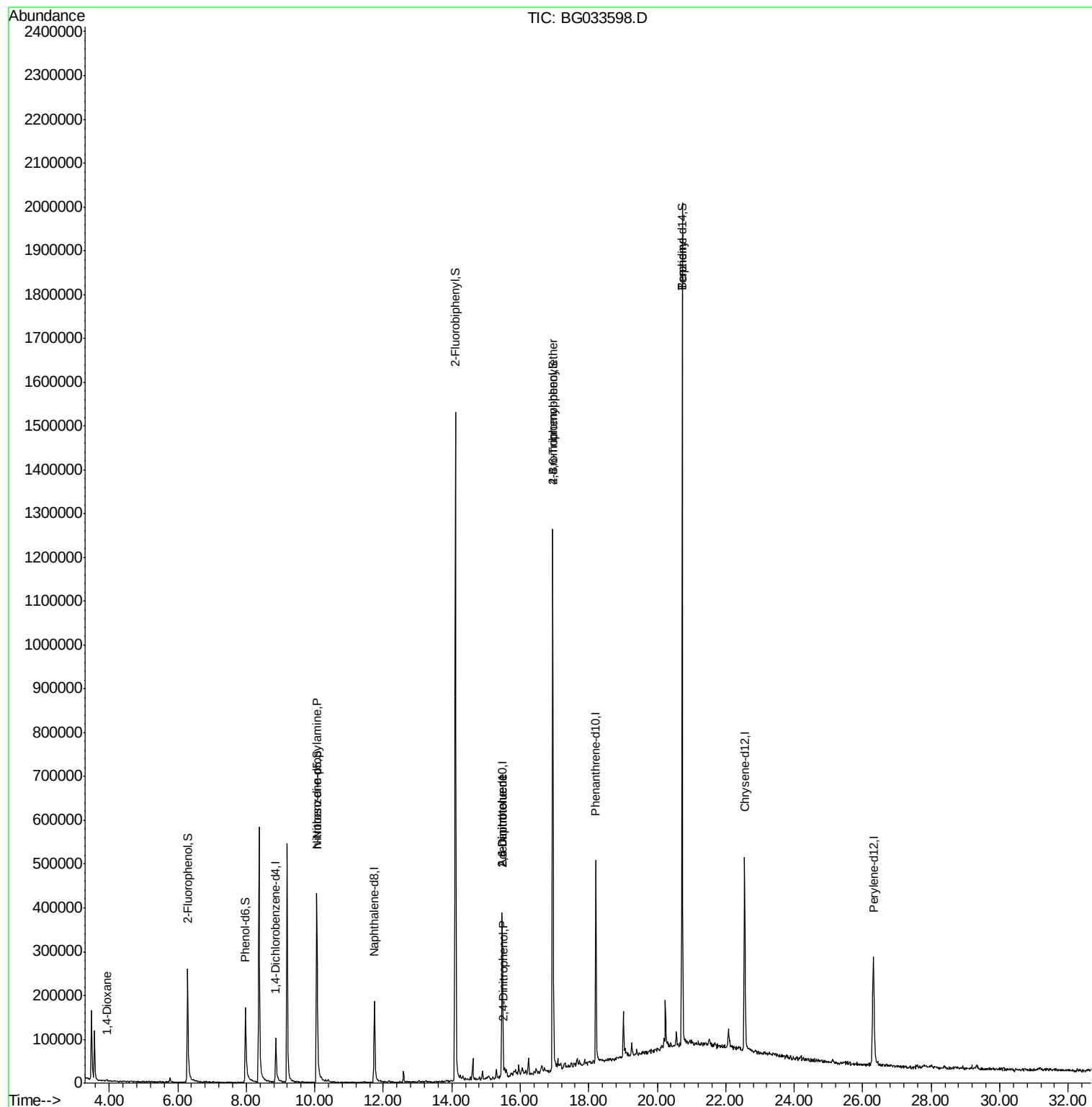
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	38342	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	188241	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	143952	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	325795	20.00	ng	0.00
75) Chrysene-d12	22.55	240	316009	20.00	ng	0.00
86) Perylene-d12	26.31	264	332505	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	139888	68.41	ng	0.00
7) Phenol-d6	7.98	99	138806	39.51	ng	0.00
23) Nitrobenzene-d5	10.06	82	358937	87.61	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	242263	112.53	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	867752	87.02	ng	0.00
78) Terphenyl-d14	20.73	244	991955	67.13	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.93	88	2094	2.017	ng	# 84
19) n-Nitroso-di-n-propylamine	10.06	70	48478	18.830	ng	# 72
50) 2,6-Dinitrotoluene	15.47	165	17987	7.022	ng	# 23
53) 2,4-Dinitrophenol	15.51	184	57	7.682	ng	# 13
56) 2,4-Dinitrotoluene	15.47	165	17987	4.769	ng	# 20
66) 4-Bromophenyl-phenylether	16.95	248	19240	5.029	ng	# 1
76) Benzidine	20.73	184	18012	2.102	ng	96

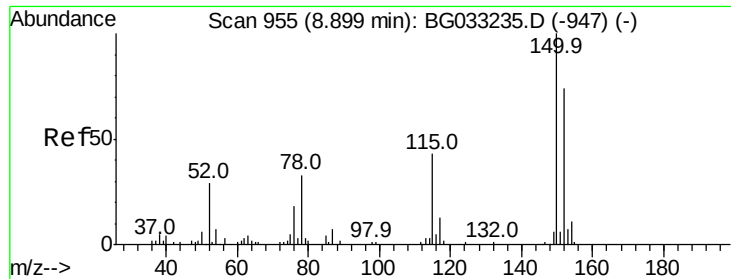
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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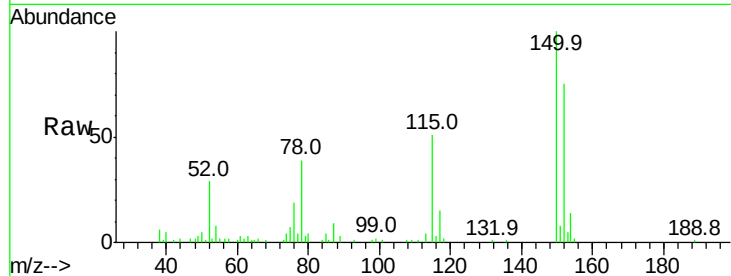


#1

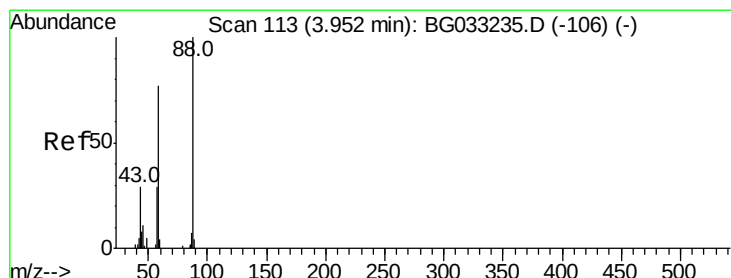
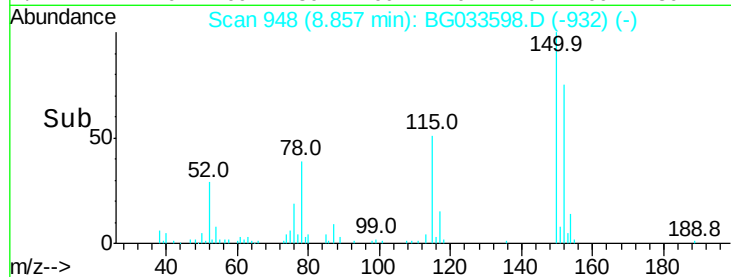
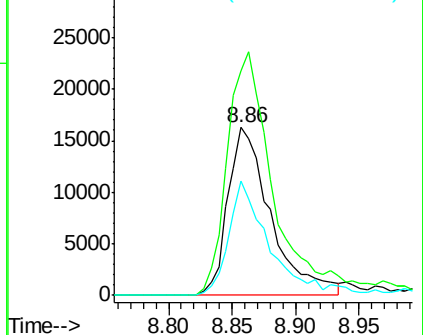
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38342
Ion Ratio Lower Upper
152 100
150 133.9 126.6 189.8
115 68.3 53.0 79.4



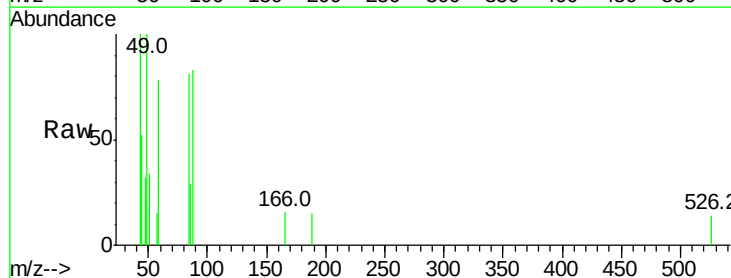
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



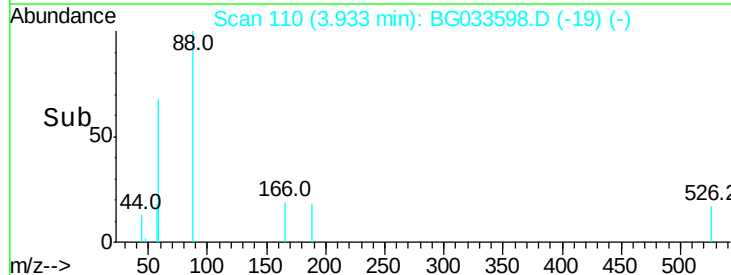
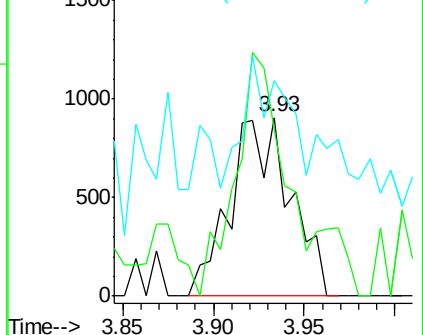
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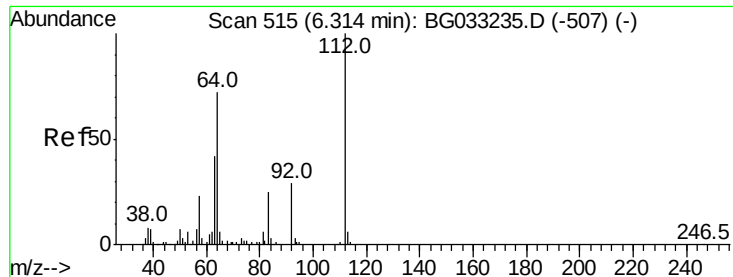
1,4-Dioxane
Concen: 2.017 ng
RT: 3.93 min Scan# 110
Delta R.T. 0.01 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

Tgt Ion: 88 Resp: 2094
Ion Ratio Lower Upper
88 100
58 112.7 79.6 119.4
43 48.9 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 68.412 ng

RT: 6.28 min Scan# 510

Delta R.T. -0.01 min

Lab File: BG033598.D

Acq: 5 Apr 2018 18:33

Instrument :

BNA_G

ClientSampleId :

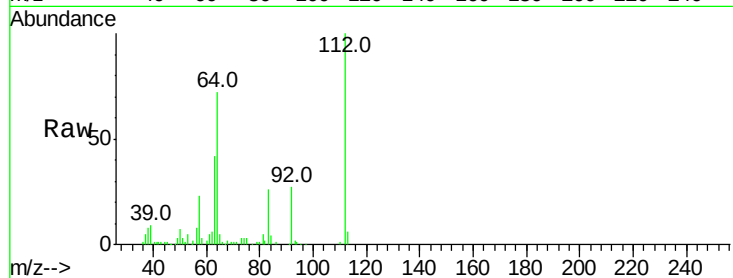
Tot Ion:112 Resp: 139888

Ion Ratio Lower Upper

112 100

64 71.9 56.3 84.5

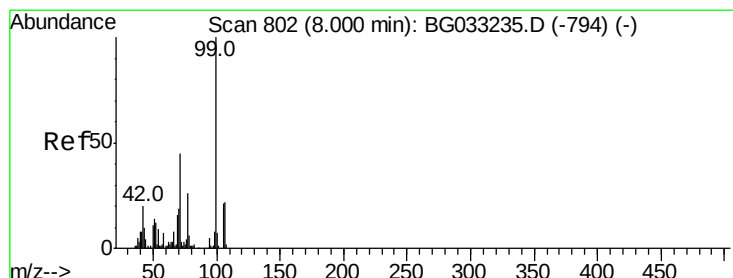
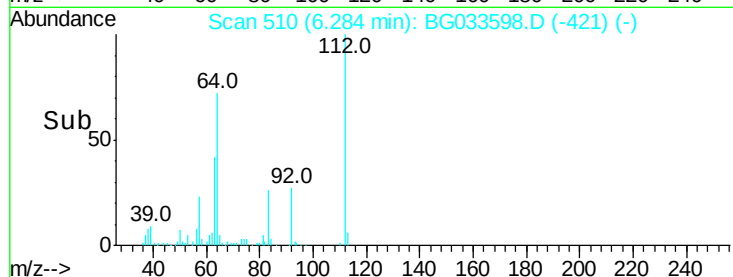
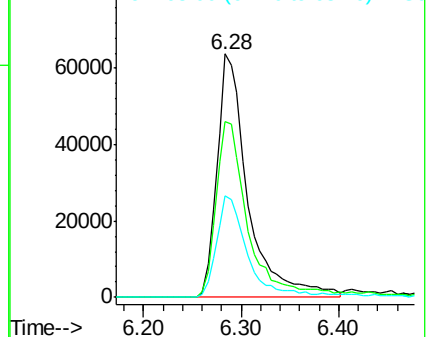
63 41.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 39.508 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033598.D

Acq: 5 Apr 2018 18:33

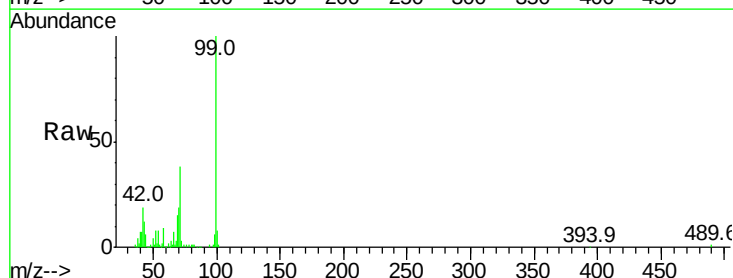
Tgt Ion: 99 Resp: 138806

Ion Ratio Lower Upper

99 100

42 19.4 14.1 21.1

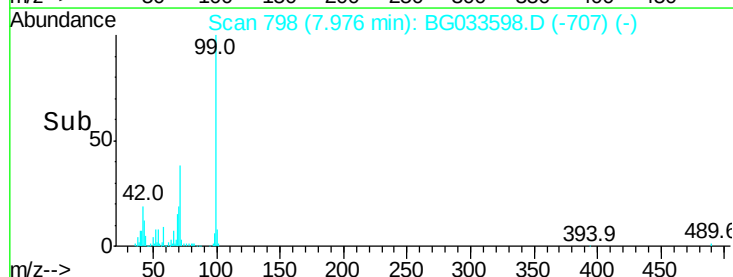
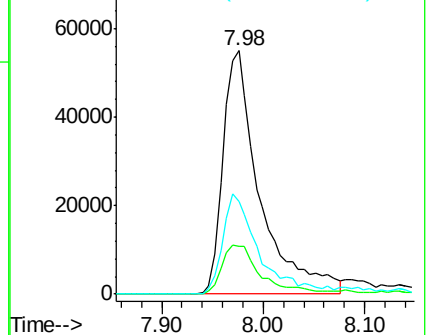
71 37.9 26.1 39.1

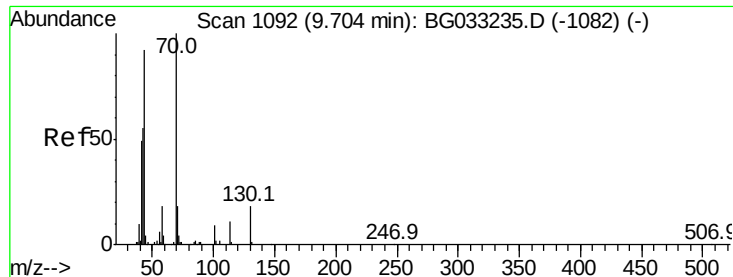


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

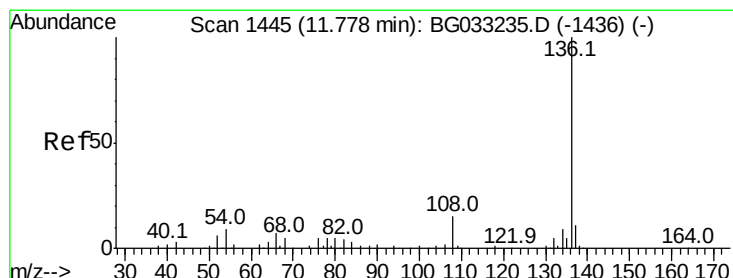
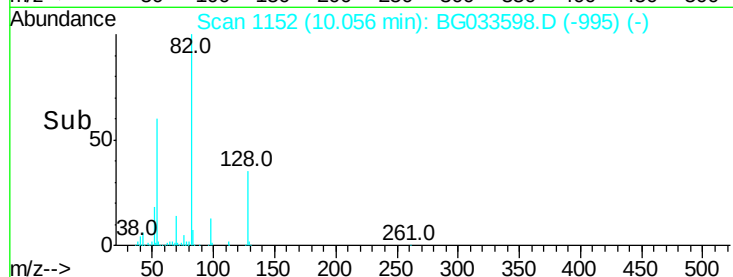
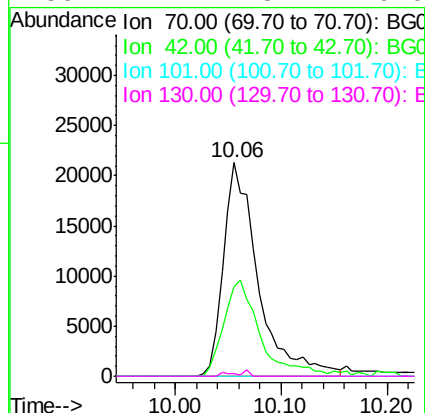
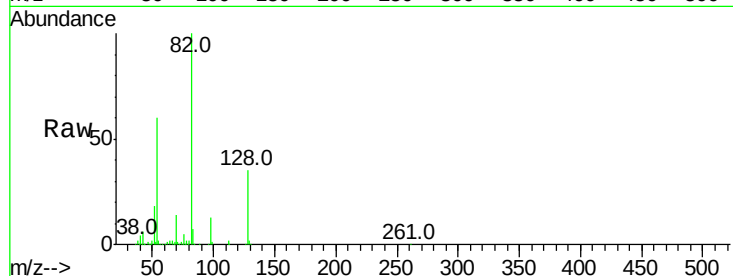




#19
n-Nitroso-di-n-propylamine
Concen: 18.830 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

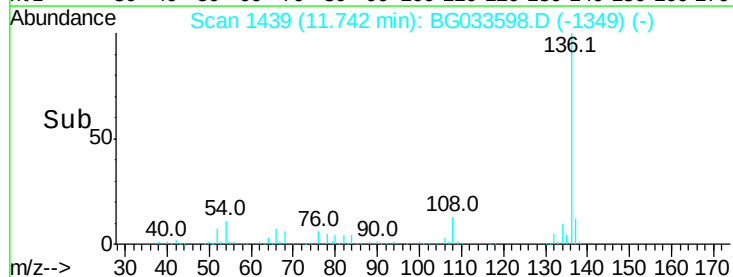
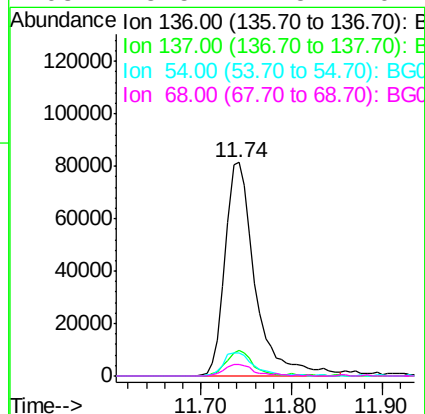
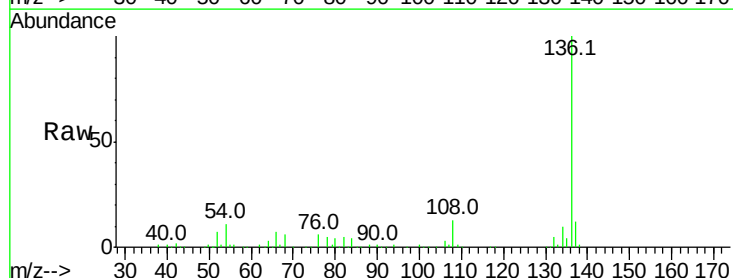
Instrument :
BNA_G
ClientSampleId :

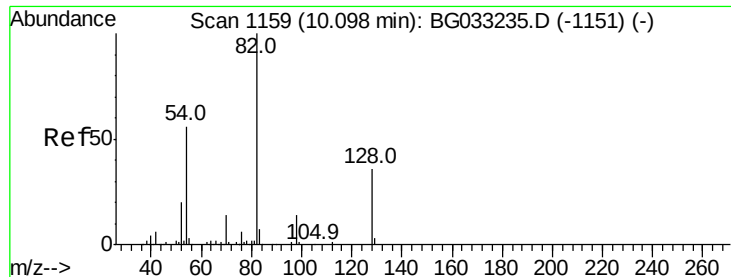
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.8	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	10.6	10.3	15.5
68	5.5	4.5	6.7



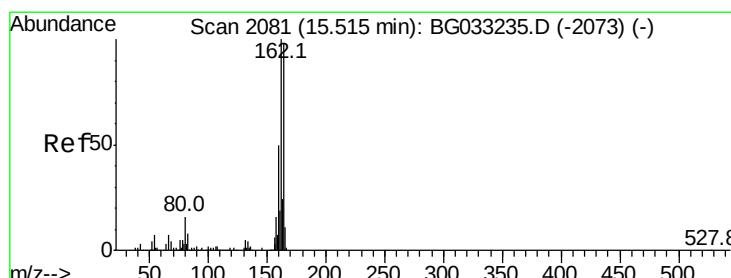
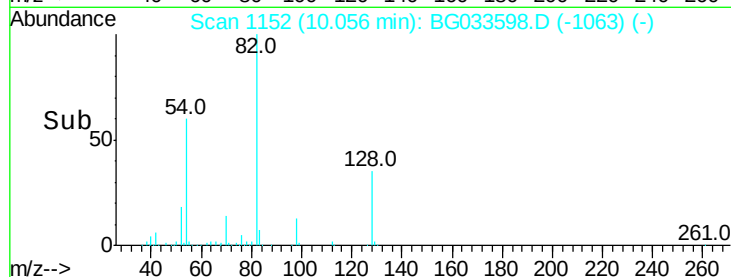
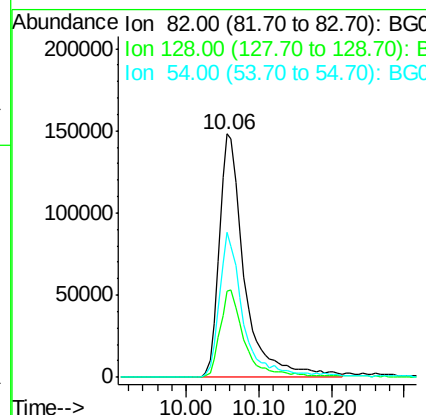
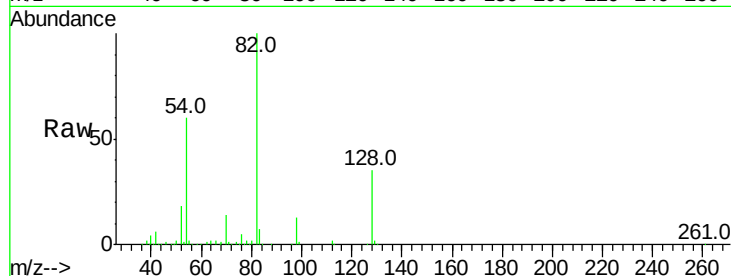


#23
 Nitrobenzene-d5
 Concen: 87.606 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 358937

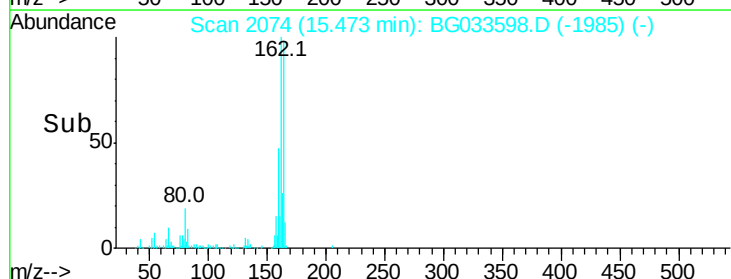
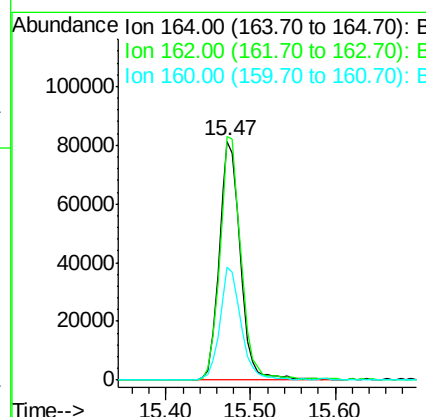
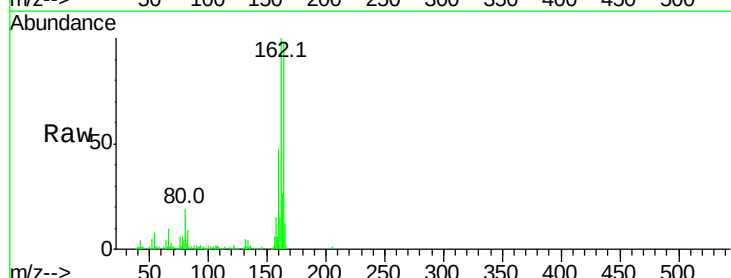
Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	59.8	43.1	64.7

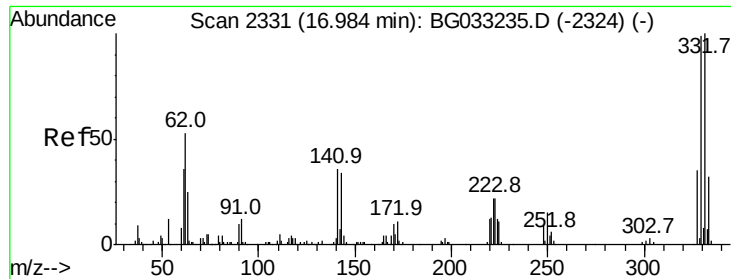


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Tgt Ion: 164 Resp: 143952

Ion	Ratio	Lower	Upper
164	100		
162	102.1	78.8	118.2
160	47.6	35.4	53.0

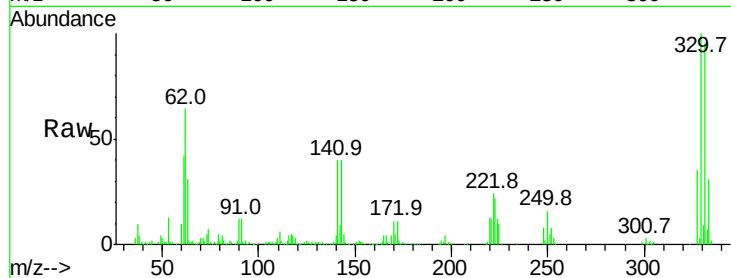




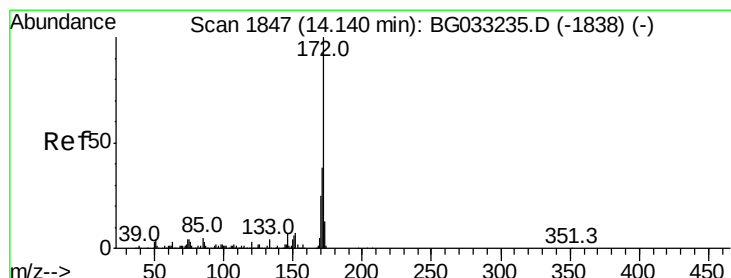
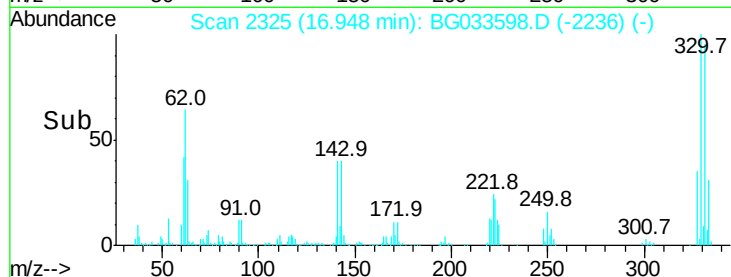
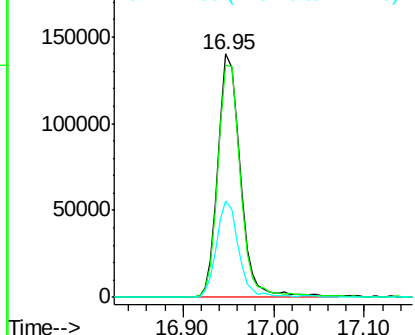
#41
 2,4,6-Tribromophenol
 Concen: 112.525 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	38.5	25.2	37.8#

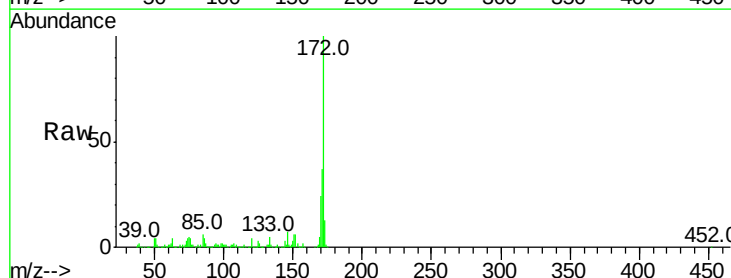


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

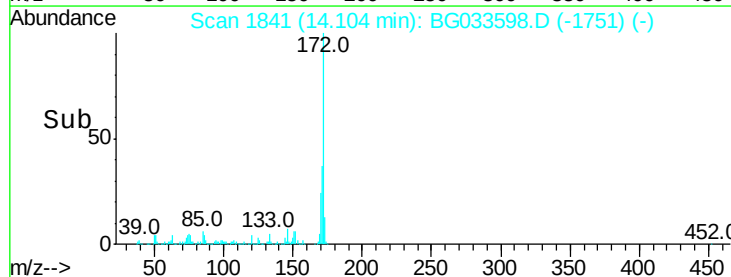
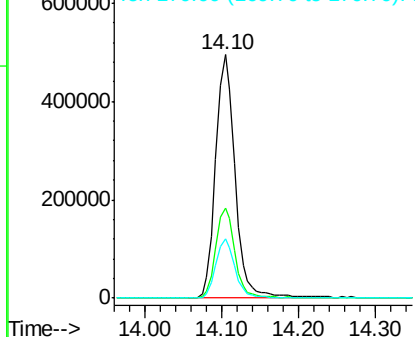


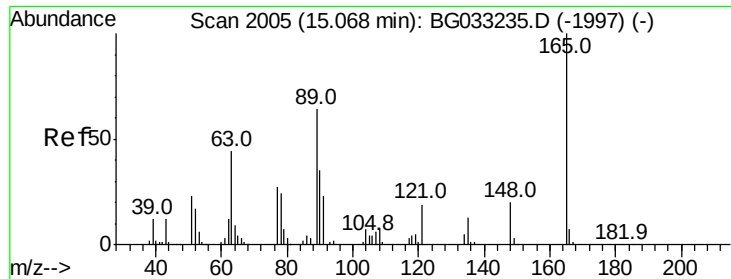
#44
 2-Fluorobiphenyl
 Concen: 87.023 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	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

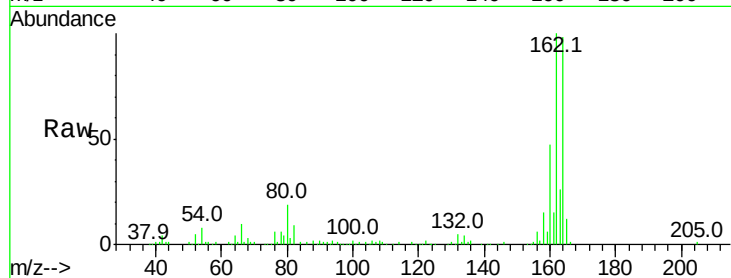




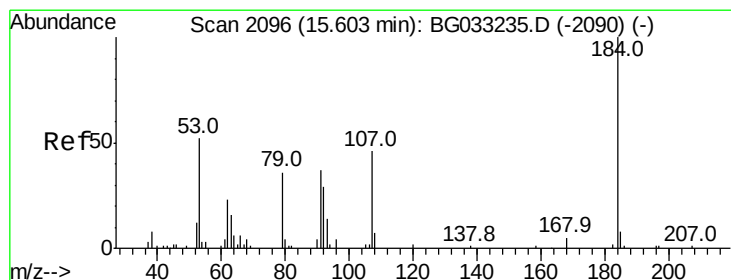
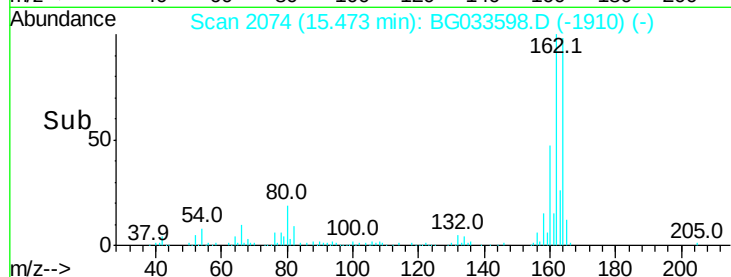
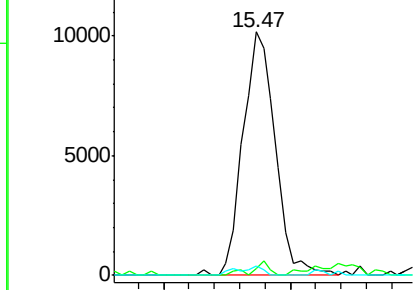
#50
 2,6-Dinitrotoluene
 Concen: 7.022 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.43 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 17987
 Ion Ratio Lower Upper
 165 100
 63 2.8 52.7 79.1#
 89 3.7 49.2 73.8#

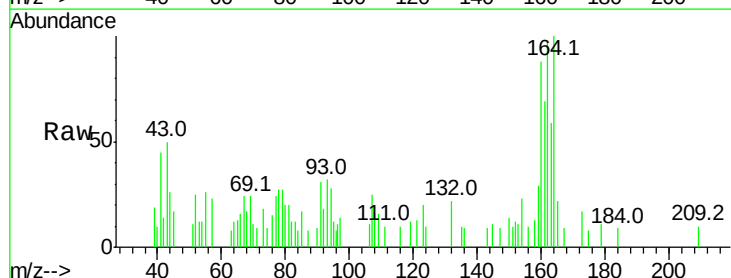


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

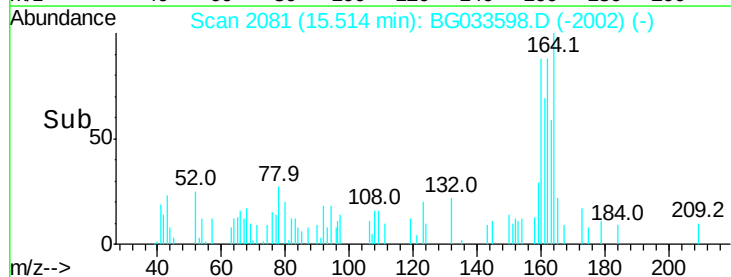
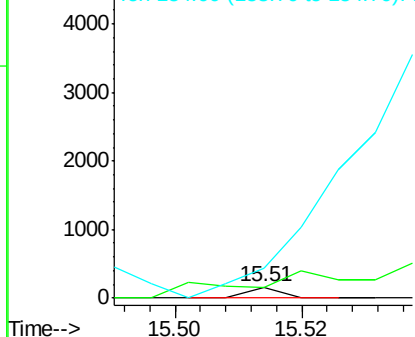


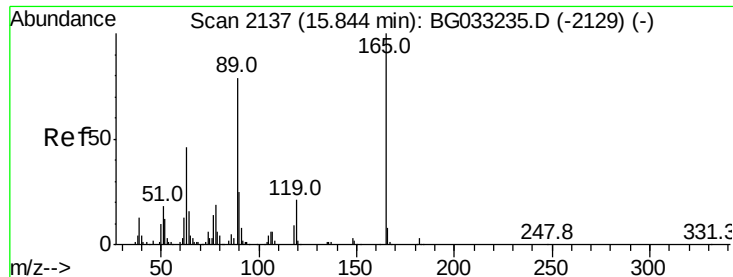
#53
 2,4-Dinitrophenol
 Concen: 7.682 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.07 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 95.7 59.8 89.8#
 154 268.7 101.8 152.8#



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

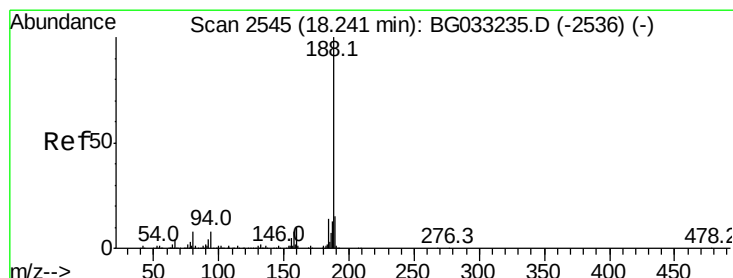
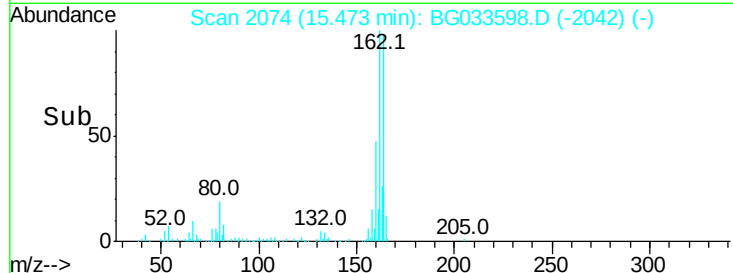
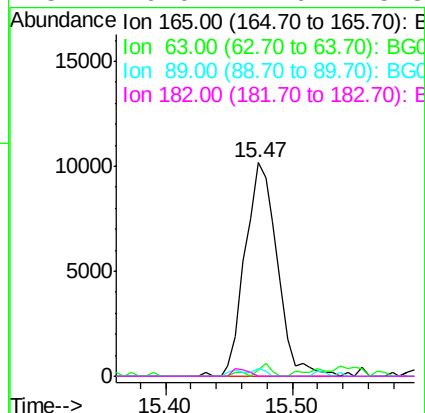
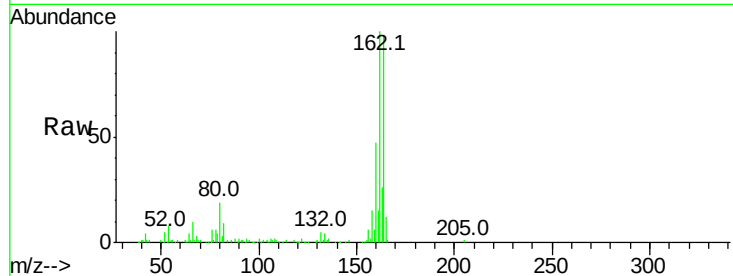




#56
2,4-Dinitrotoluene
Concen: 4.769 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

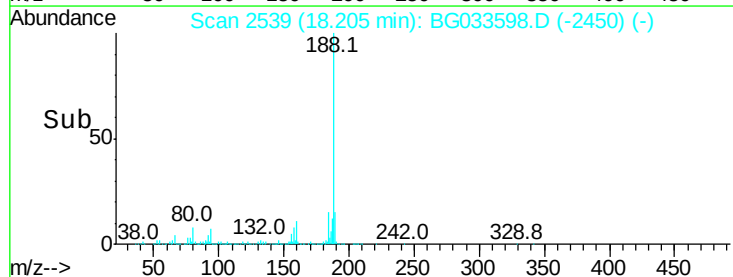
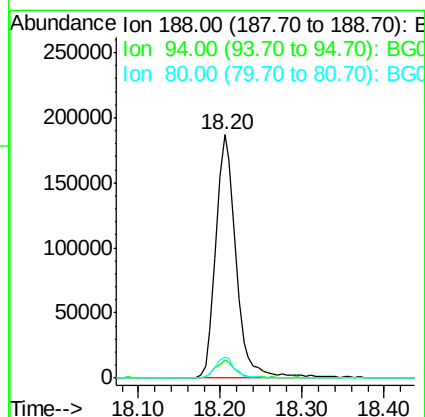
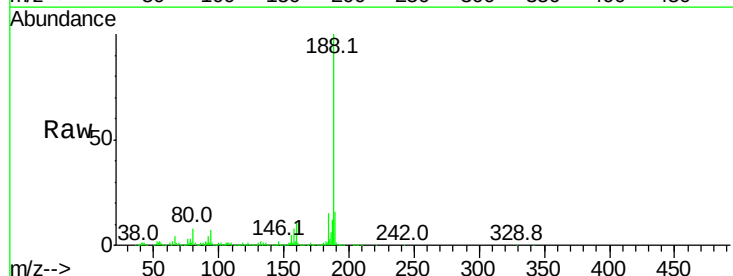
Instrument :
BNA_G
ClientSampleId :

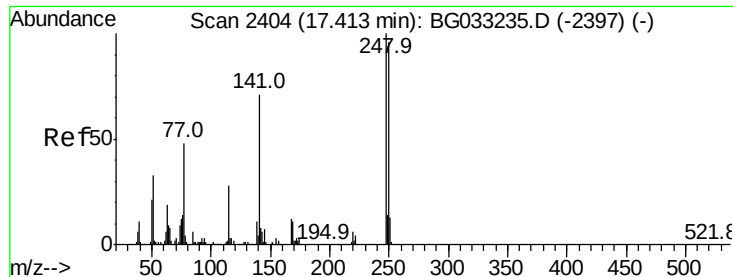
Tot Ion:165 Resp: 17987
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 3.7 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

Tgt Ion:188 Resp: 325795
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 8.4 7.7 11.5

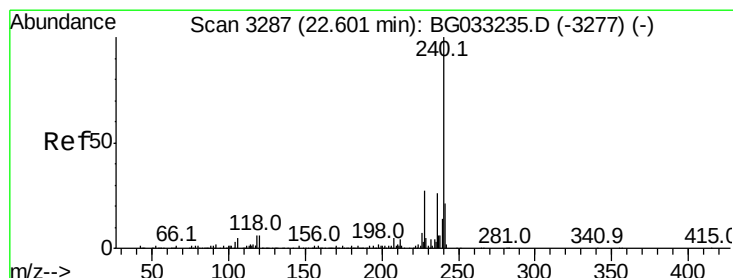
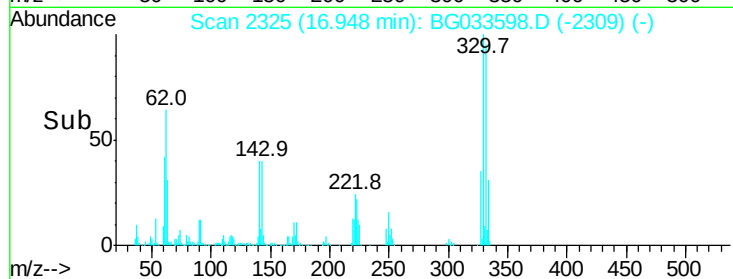
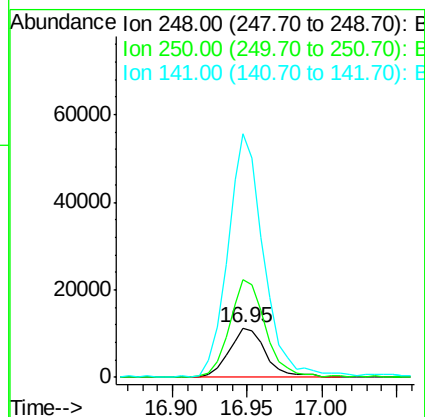
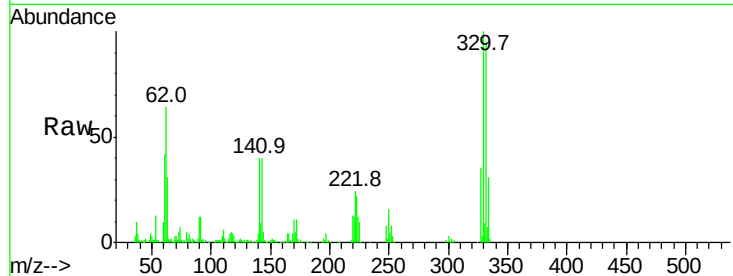




#66
 4-Bromophenyl-phenylether
 Concen: 5.029 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.44 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

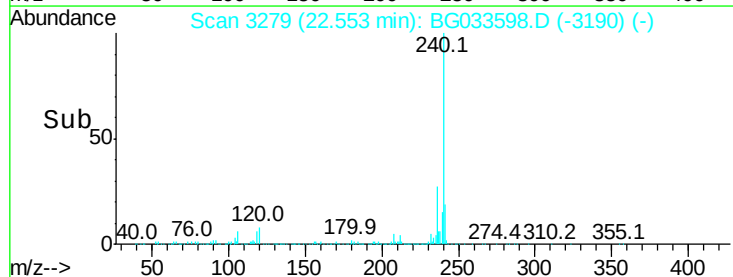
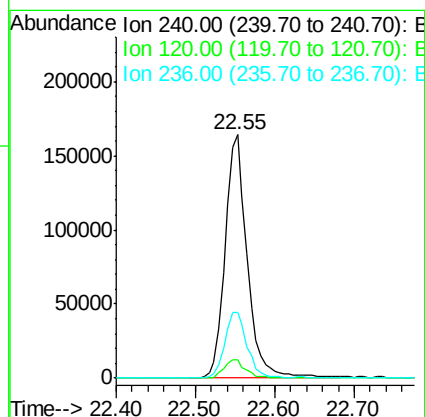
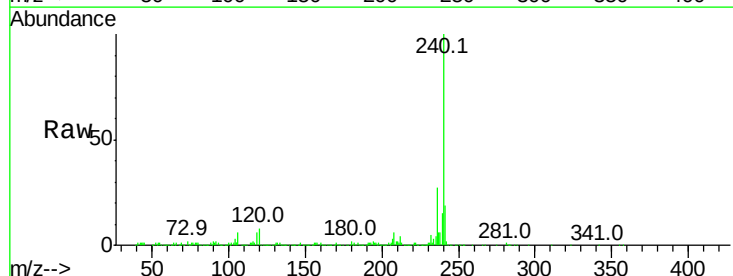
Instrument :
 BNA_G
 ClientSampled :

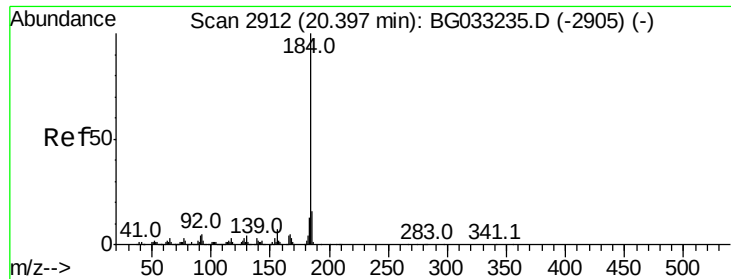
Tot Ion:248 Resp: 19240
 Ion Ratio Lower Upper
 248 100
 250 156.8 77.1 115.7#
 141 392.7 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3279
 Delta R.T. -0.01 min
 Lab File: BG033598.D
 Acq: 5 Apr 2018 18:33

Tgt Ion:240 Resp: 316009
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.8 10.2
 236 26.9 20.9 31.3





#76

Benzidine

Concen: 2.102 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033598.D

Acq: 5 Apr 2018 18:33

Instrument :

BNA_G

ClientSampleId :

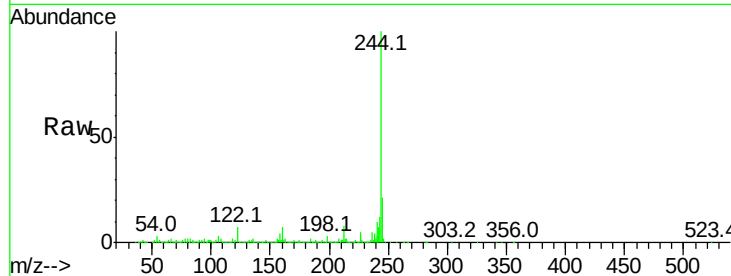
Tot Ion:184 Resp: 18012

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

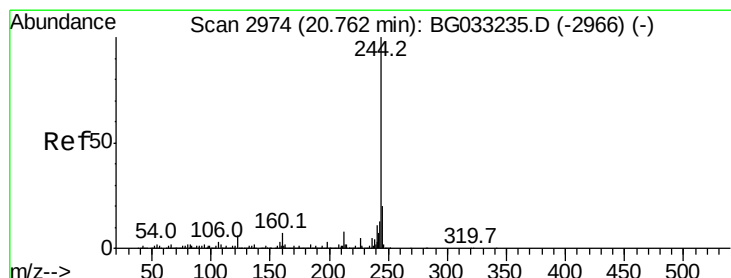
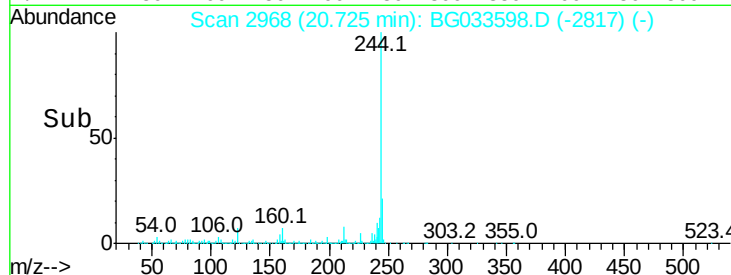
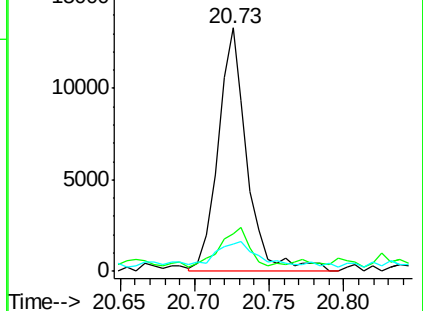
183 11.1 10.6 16.0



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: 67.131 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033598.D

Acq: 5 Apr 2018 18:33

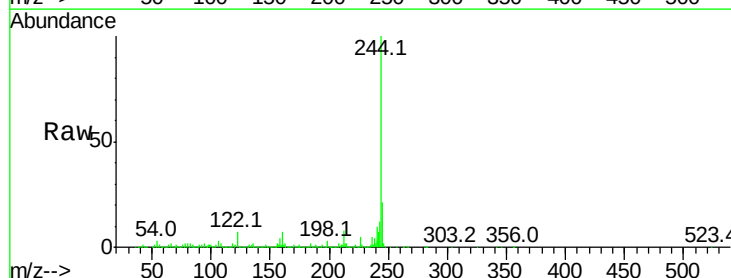
Tgt Ion:244 Resp: 991955

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

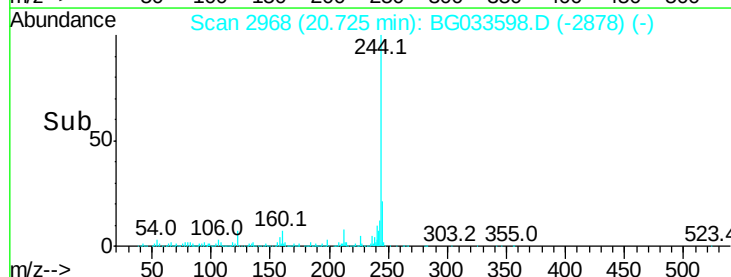
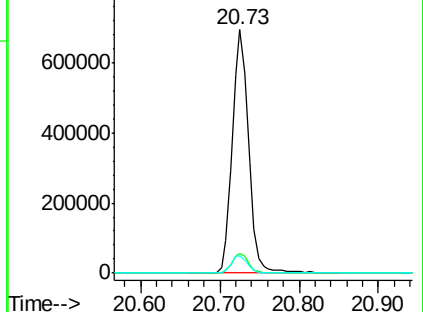
122 7.2 7.0 10.4

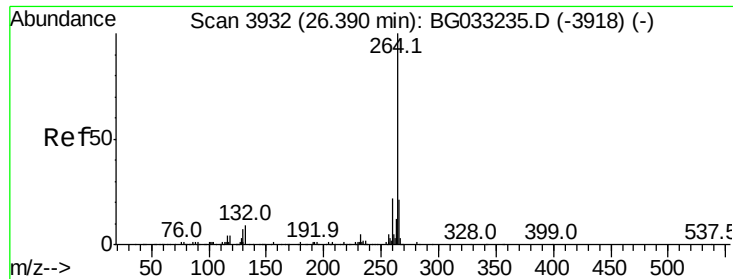


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3919
Delta R.T. -0.01 min
Lab File: BG033598.D
Acq: 5 Apr 2018 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	23.7	17.7	26.5

