

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033763.D
 Acq On : 12 Apr 2018 2:18
 Operator : SJ/JU
 Sample : J2321-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 03:18:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

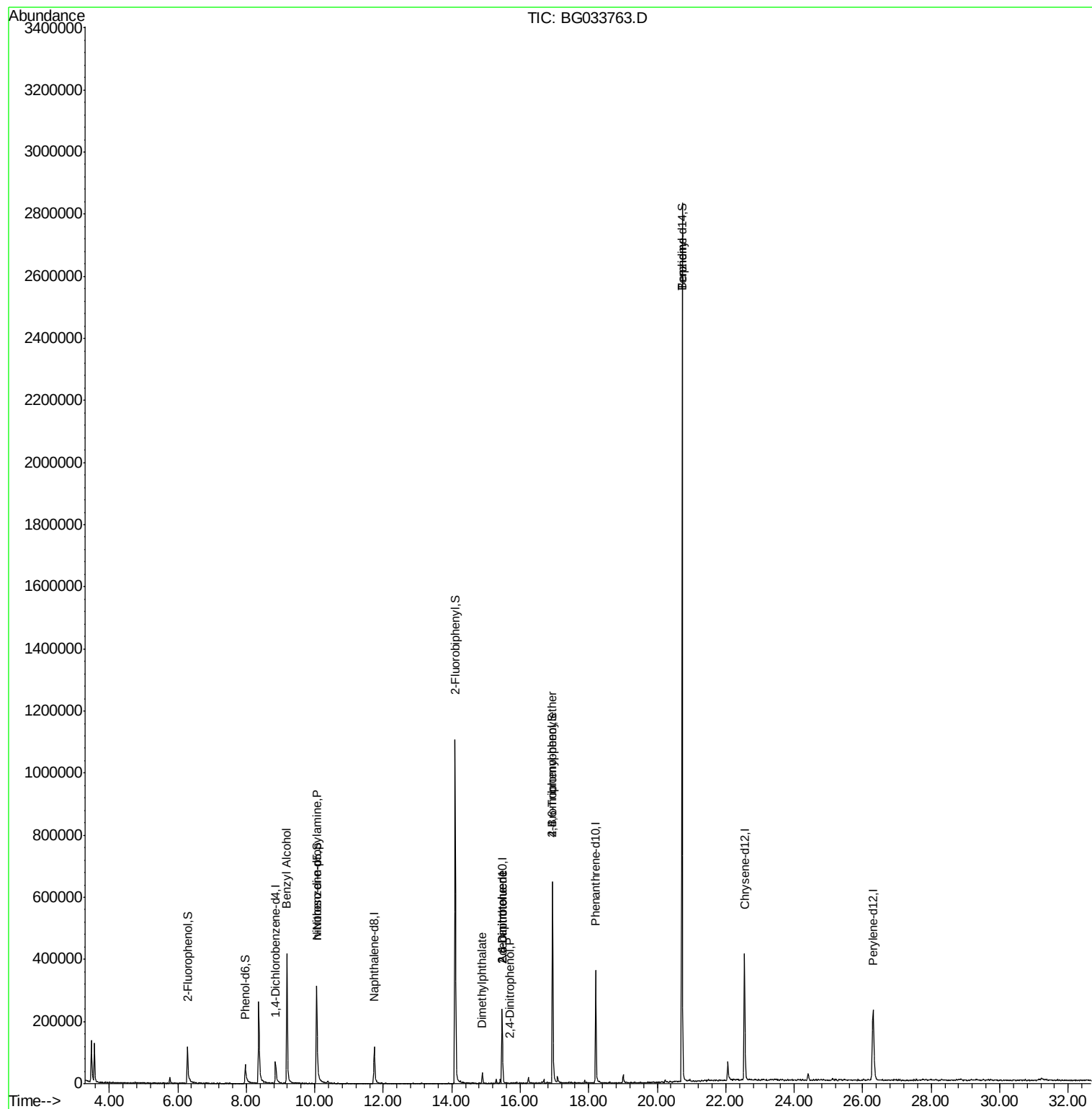
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	27581	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	117539	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	91529	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	266443	20.00	ng	0.00
75) Chrysene-d12	22.55	240	295106	20.00	ng	0.00
86) Perylene-d12	26.31	264	318739	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	66139	44.97	ng	0.00
7) Phenol-d6	7.98	99	59025	23.36	ng	0.00
23) Nitrobenzene-d5	10.06	82	265968	103.96	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	132788	97.00	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	621305	97.99	ng	0.00
78) Terphenyl-d14	20.73	244	1381687	100.13	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5136	2.581	ng	# 46
19) n-Nitroso-di-n-propylamine	10.06	70	35718	19.287	ng	# 78
49) Dimethylphthalate	14.89	163	24225	3.041	ng	# 90
50) 2,6-Dinitrotoluene	15.47	165	12317	7.562	ng	# 20
53) 2,4-Dinitrophenol	15.70	184	64	7.712	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	12316	5.136	ng	# 18
66) 4-Bromophenyl-phenylether	16.94	248	10089	3.224	ng	# 1
76) Benzidine	20.73	184	23006	2.875	ng	# 94

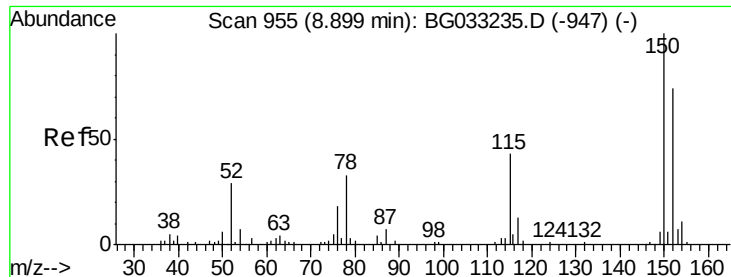
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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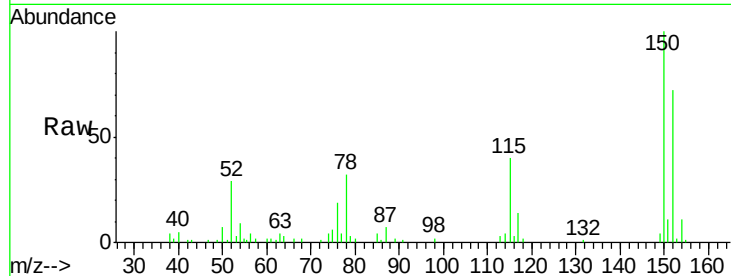


#1

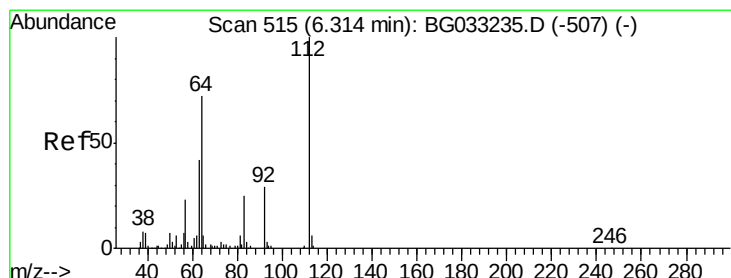
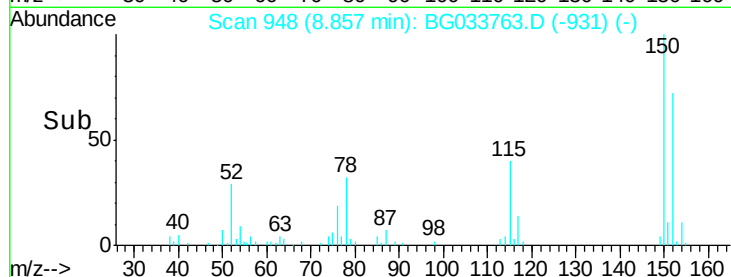
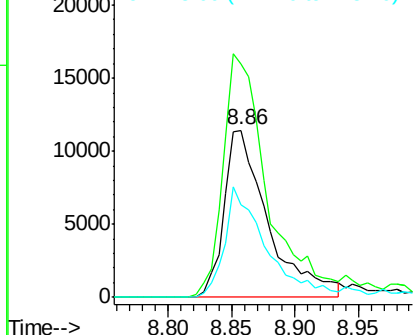
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	126.6	189.8
115	55.4	53.0	79.4



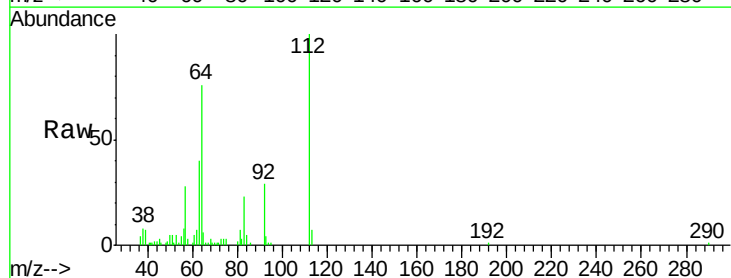
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



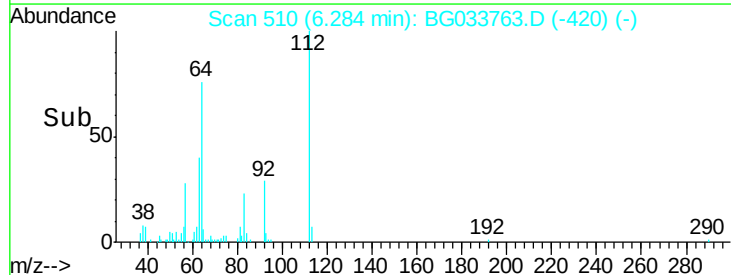
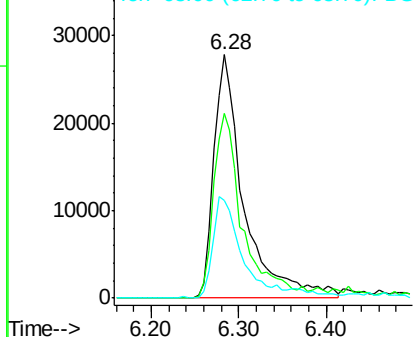
#5

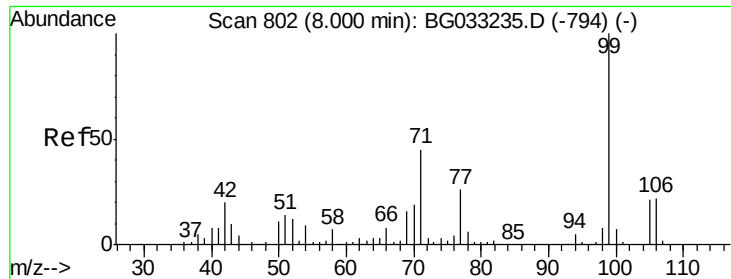
2-Fluorophenol
Concen: 44.965 ng
RT: 6.28 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.0	56.3	84.5
63	40.3	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.355 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033763.D

Acq: 12 Apr 2018 2:18

Instrument :

BNA_G

ClientSampled :

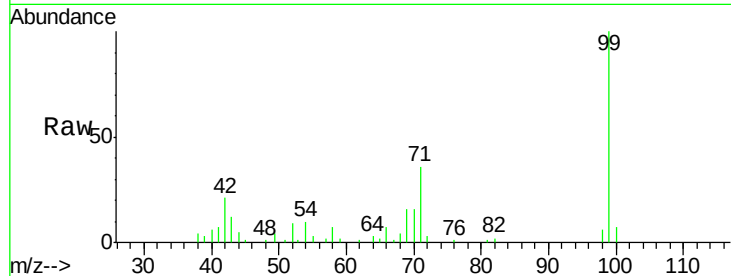
Tot Ion: 99 Resp: 59025

Ion Ratio Lower Upper

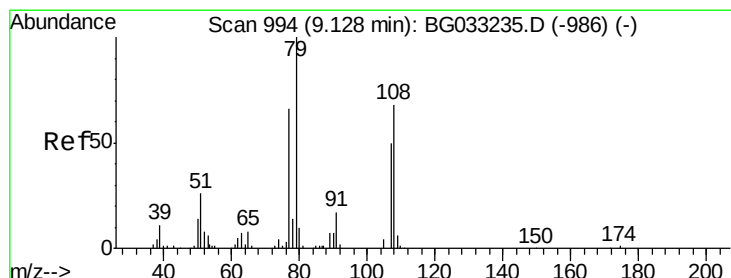
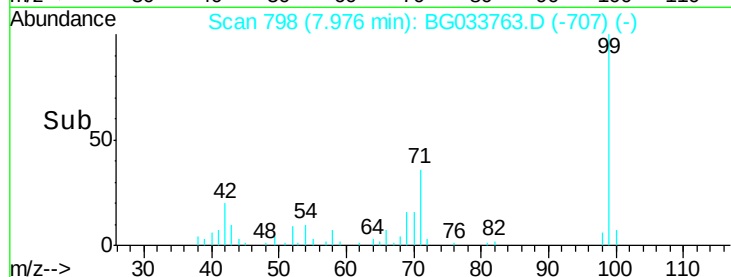
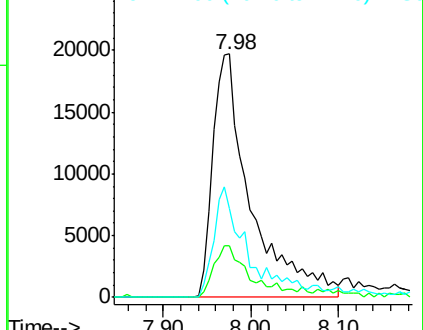
99 100

42 21.3 14.1 21.1#

71 36.2 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: 2.581 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033763.D

Acq: 12 Apr 2018 2:18

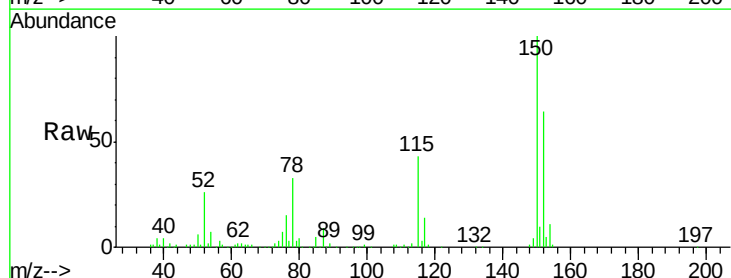
Tgt Ion: 79 Resp: 5136

Ion Ratio Lower Upper

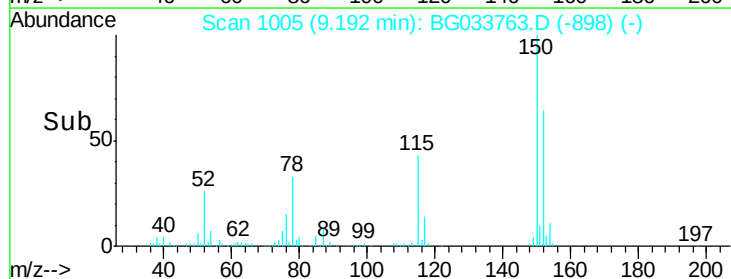
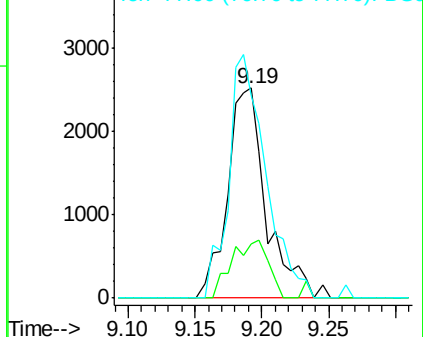
79 100

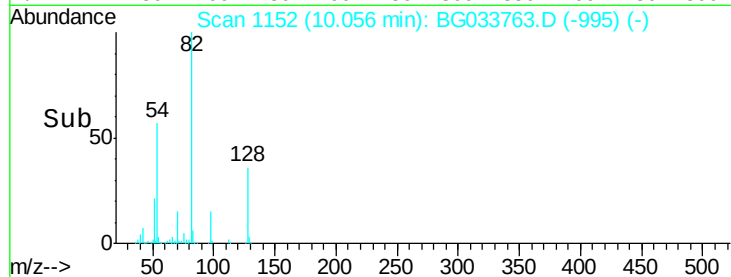
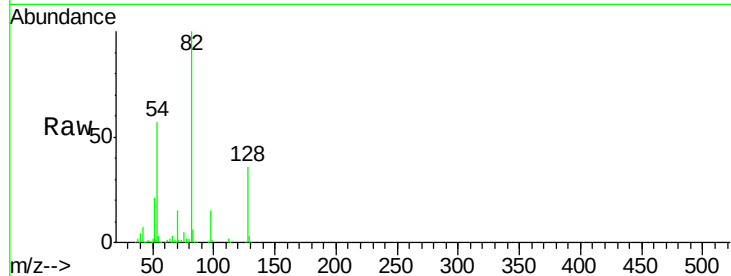
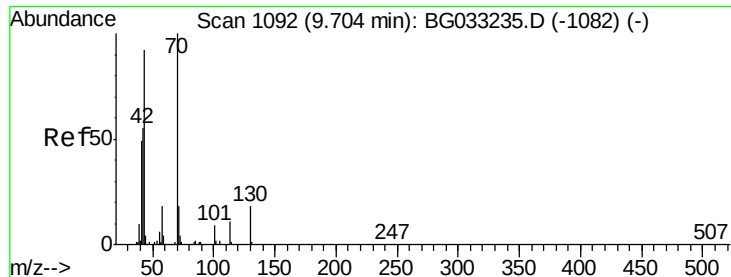
108 26.1 57.2 85.8#

77 96.6 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

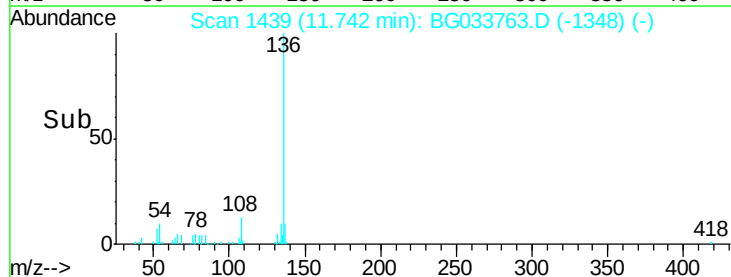
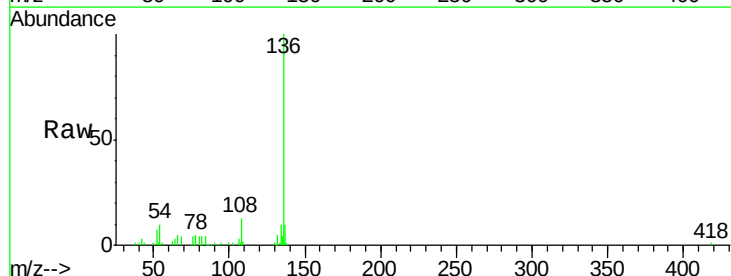
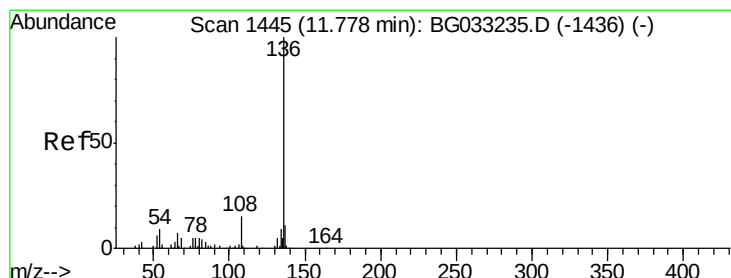
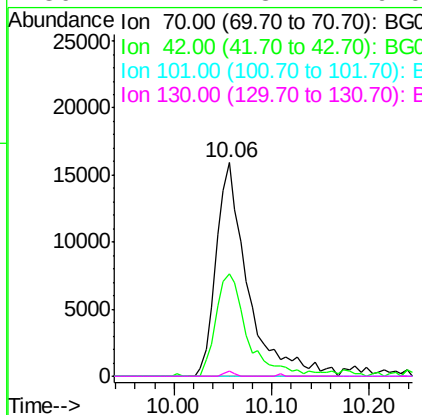




#19
n-Nitroso-di-n-propylamine
Concen: 19.287 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

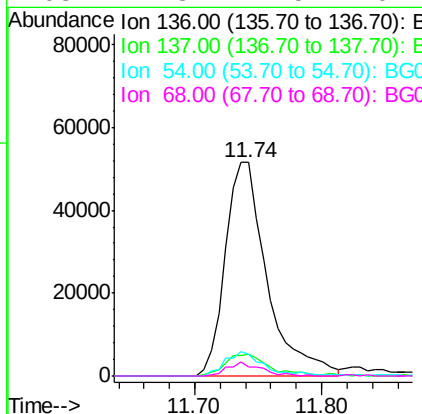
Instrument :
BNA_G
ClientSampleId :

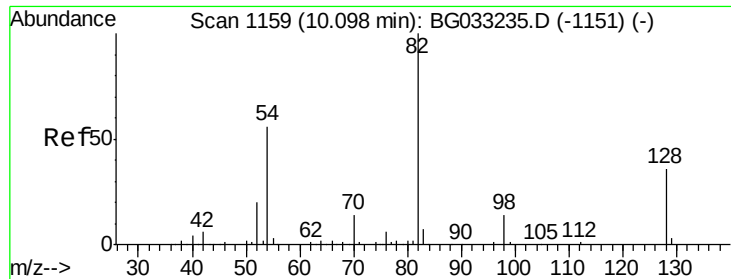
Tot Ion:	70	Resp:	35718
Ion	Ratio	Lower	Upper
70	100		
42	48.0	49.1	73.7#
101	0.0	8.5	12.7#
130	2.2	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Tgt Ion:	136	Resp:	117539
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	10.5	10.3	15.5
68	4.3	4.5	6.7#

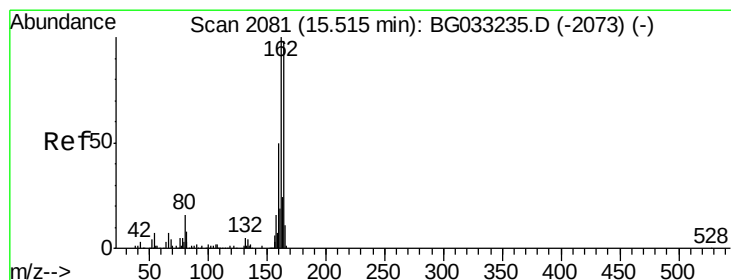
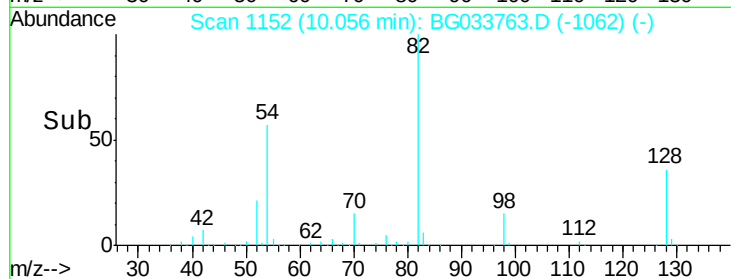
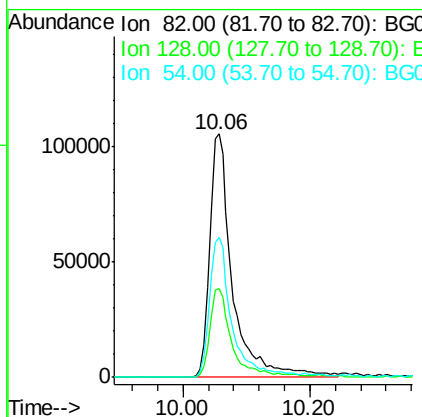
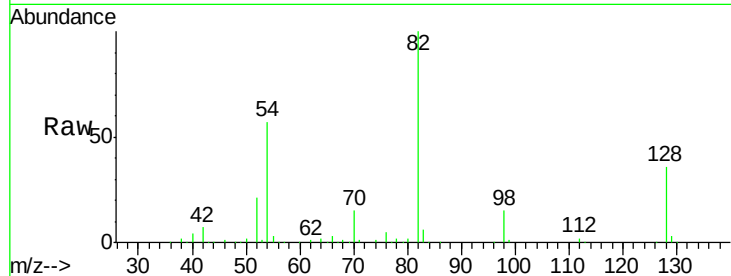




#23
 Nitrobenzene-d5
 Concen: 103.963 ng
 RT: 10.06 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BG033763.D
 Acq: 12 Apr 2018 2:18

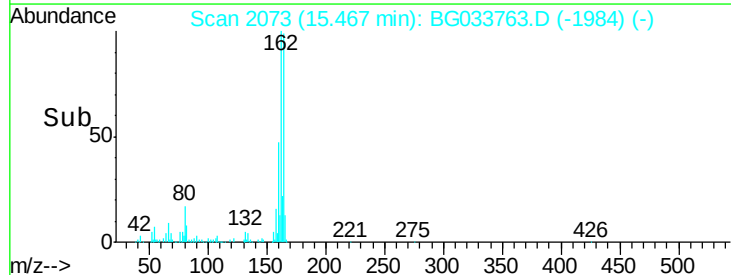
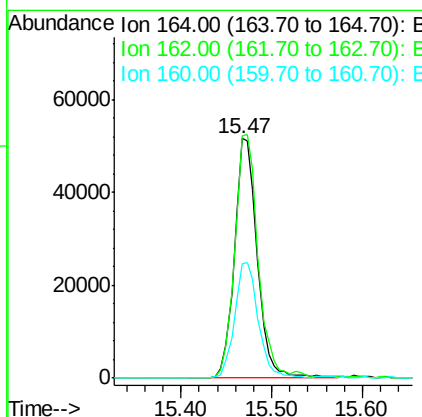
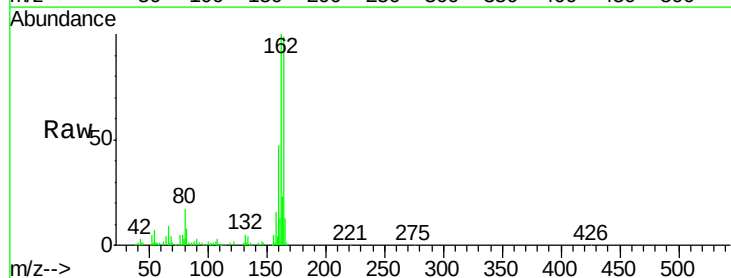
Instrument :
 BNA_G
 ClientSampleId :

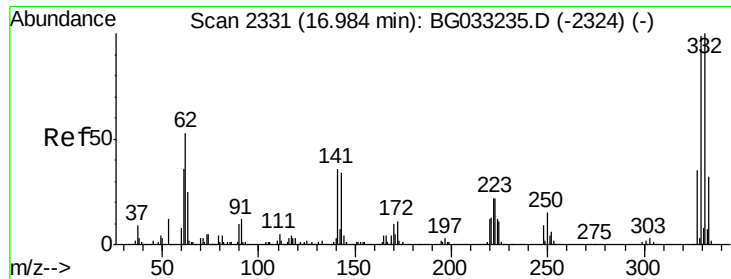
Tot Ion: 82 Resp: 265968
 Ion Ratio Lower Upper
 82 100
 128 36.2 29.7 44.5
 54 57.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: BG033763.D
 Acq: 12 Apr 2018 2:18

Tgt Ion: 164 Resp: 91529
 Ion Ratio Lower Upper
 164 100
 162 101.2 78.8 118.2
 160 47.8 35.4 53.0

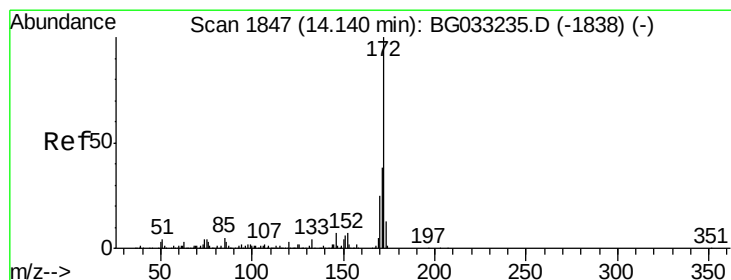
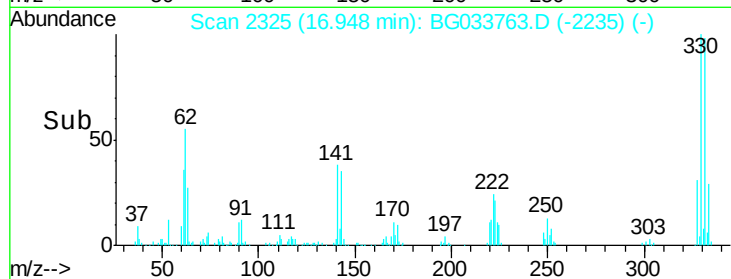
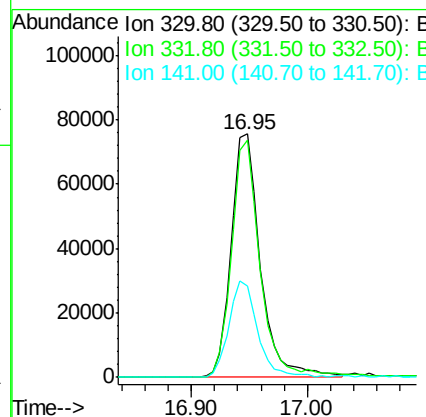
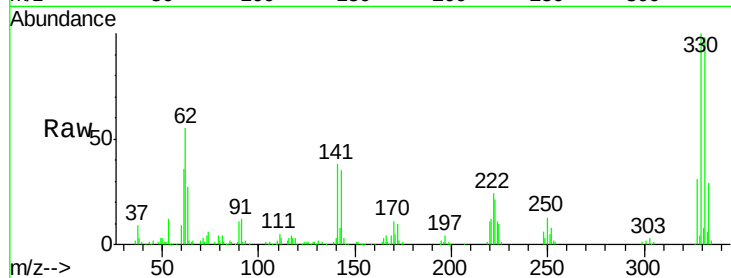




#41
 2,4,6-Tribromophenol
 Concen: 97.002 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033763.D
 Acq: 12 Apr 2018 2:18

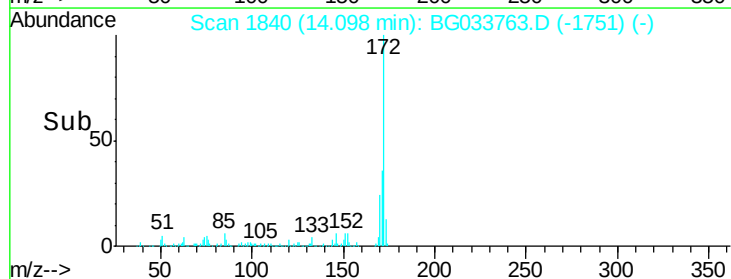
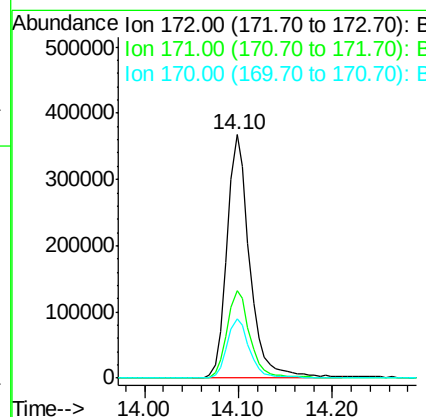
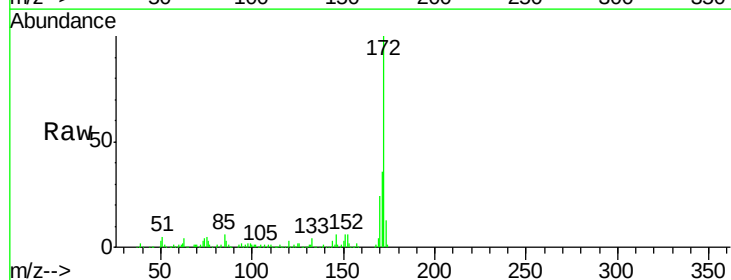
Instrument :
 BNA_G
 ClientSampled :

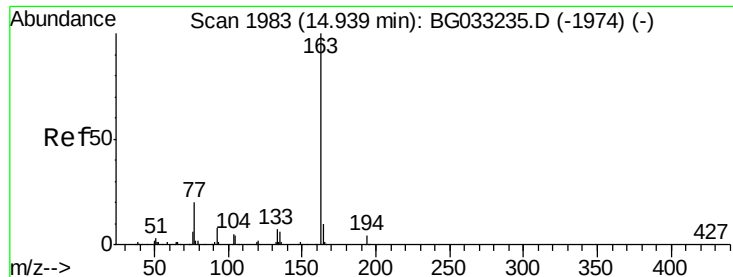
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	39.0	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 97.995 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033763.D
 Acq: 12 Apr 2018 2:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	24.1	19.5	29.3

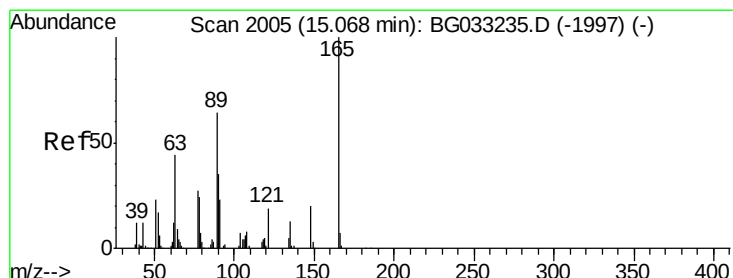
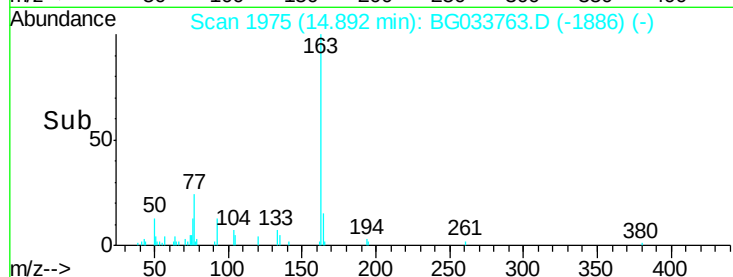
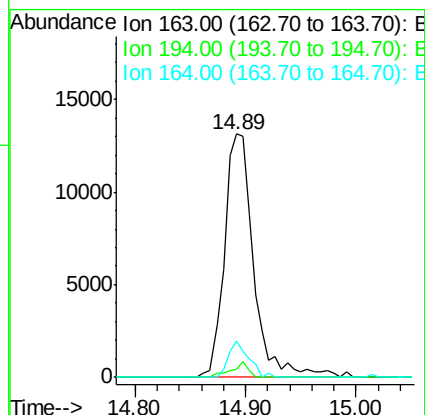
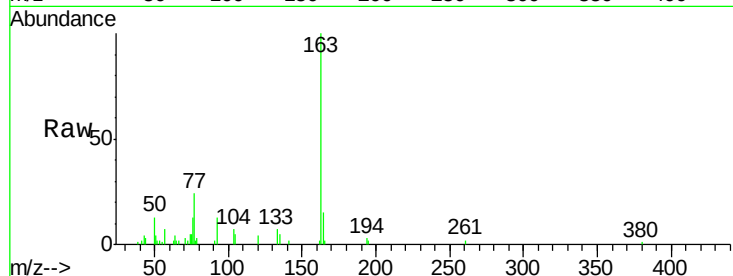




#49
Dimethylphthalate
Concen: 3.041 ng
RT: 14.89 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

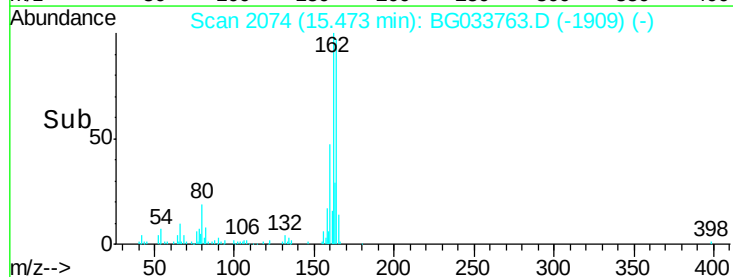
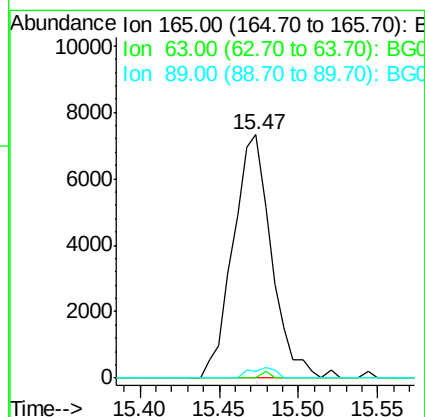
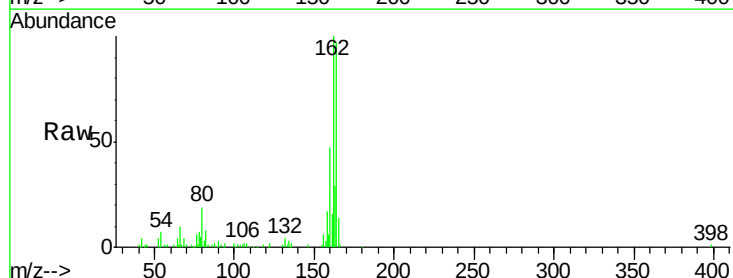
Instrument :
BNA_G
ClientSampleId :

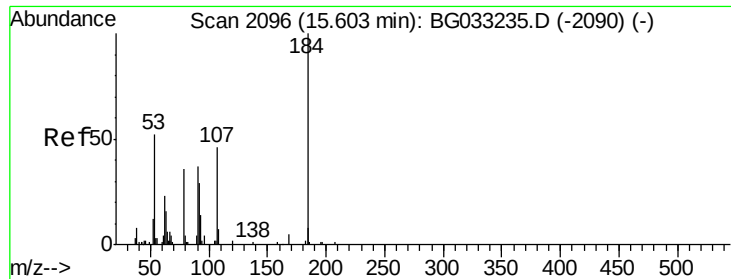
Tot Ion:163 Resp: 24225
Ion Ratio Lower Upper
163 100
194 3.3 3.4 5.2#
164 15.0 8.2 12.4#



#50
2,6-Dinitrotoluene
Concen: 7.562 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Tgt Ion:165 Resp: 12317
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.7 49.2 73.8#

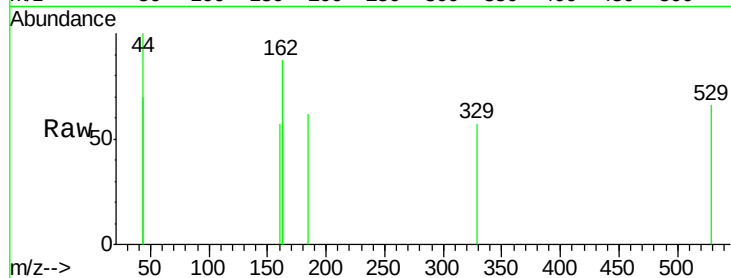




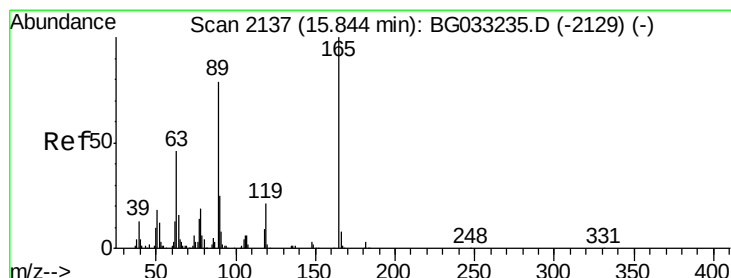
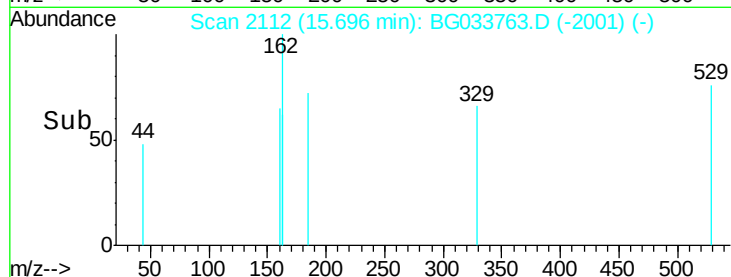
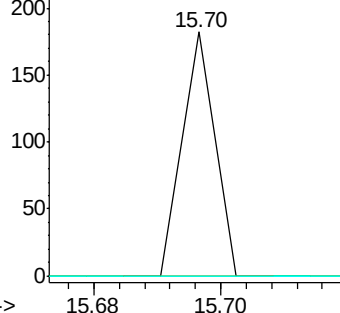
#53
2,4-Dinitrophenol
Concen: 7.712 ng
RT: 15.70 min Scan# 2112
Delta R.T. 0.12 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

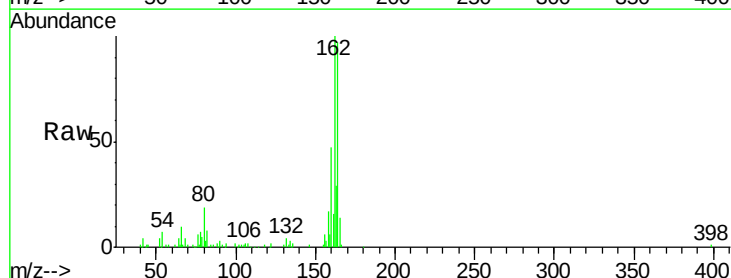


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

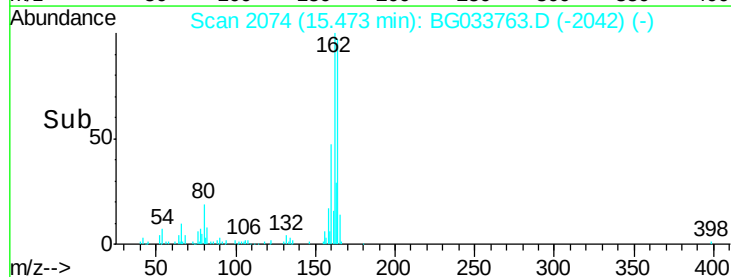
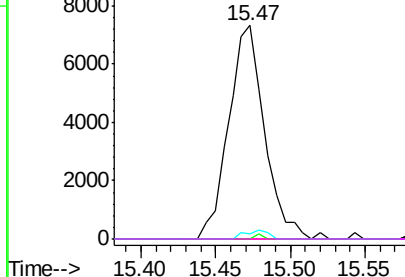


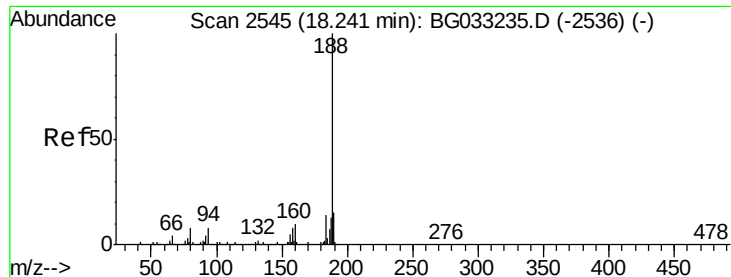
#56
2,4-Dinitrotoluene
Concen: 5.136 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Tgt Ion:165 Resp: 12316
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.7 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

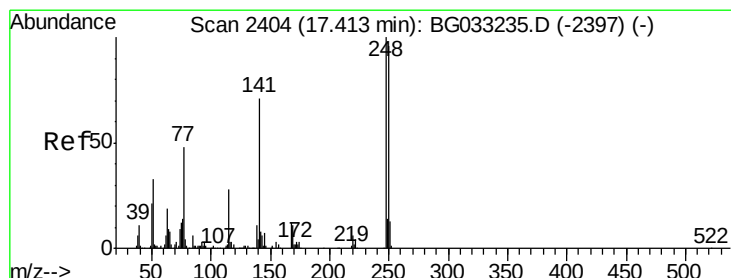
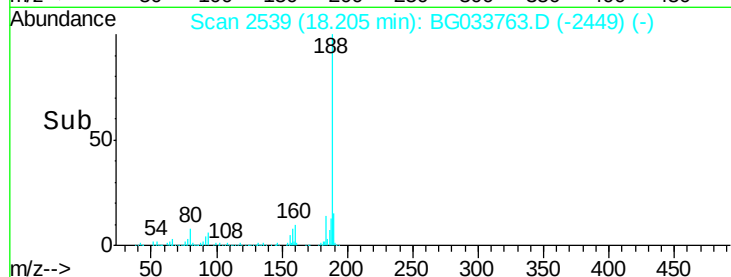
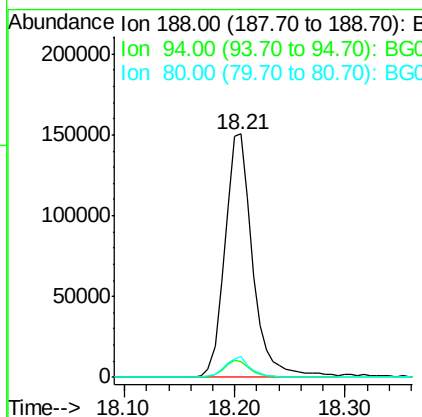
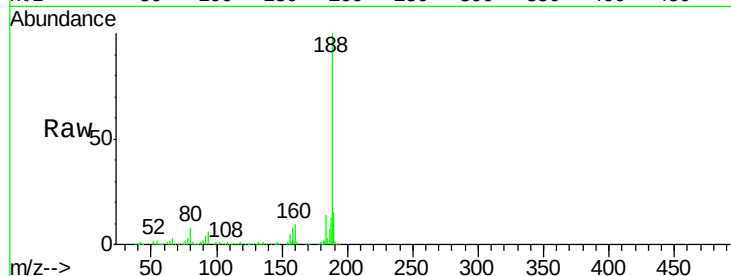




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

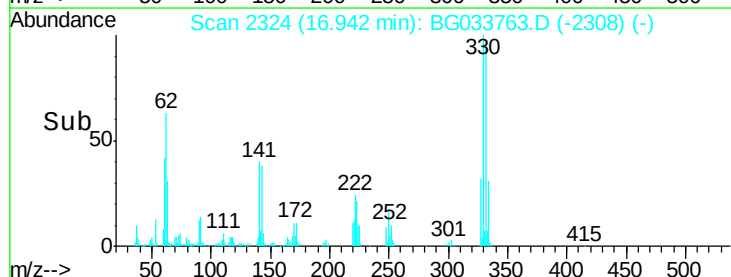
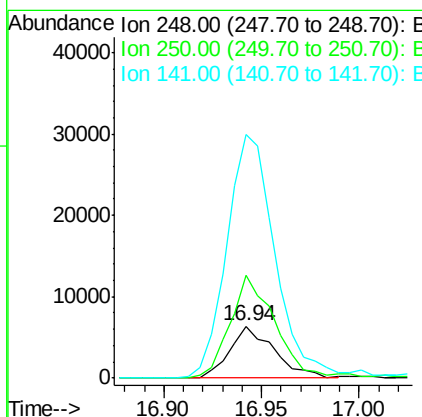
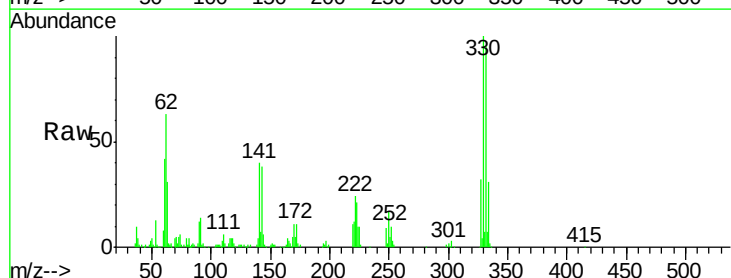
Instrument :
BNA_G
ClientSampleId :

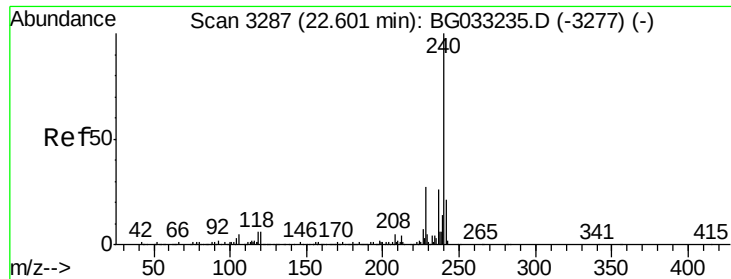
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	8.4	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 3.224 ng
RT: 16.94 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033763.D
Acq: 12 Apr 2018 2:18

Tgt Ion	Ratio	Lower	Upper
248	100		
250	253.5	77.1	115.7#
141	468.8	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: BG033763.D

Acq: 12 Apr 2018 2:18

Instrument :

BNA_G

ClientSampleId :

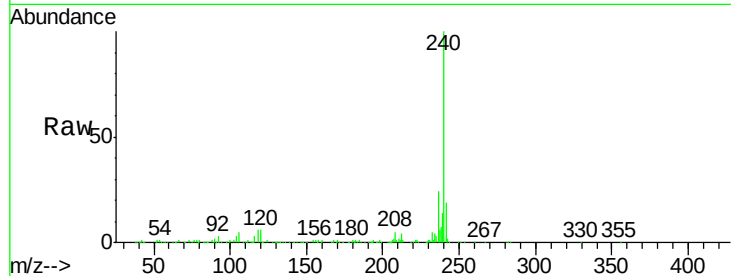
Tot Ion:240 Resp: 295106

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

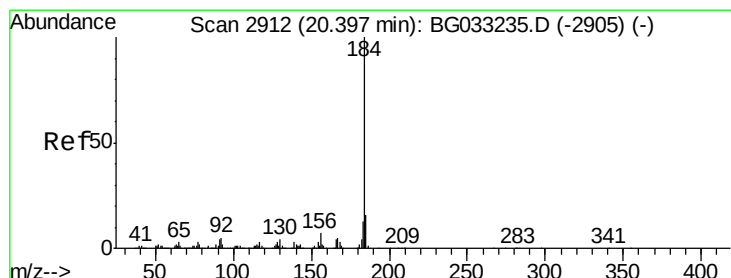
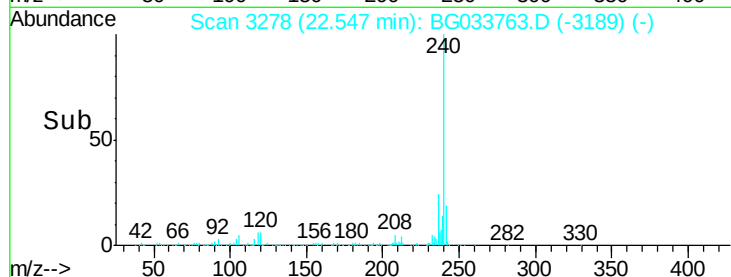
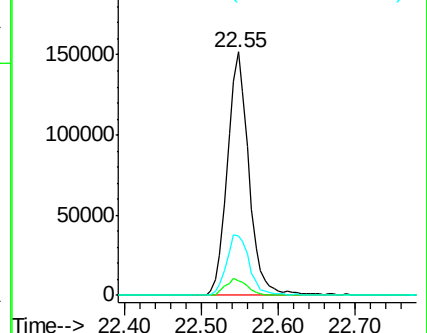
236 24.1 20.9 31.3



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: 2.875 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033763.D

Acq: 12 Apr 2018 2:18

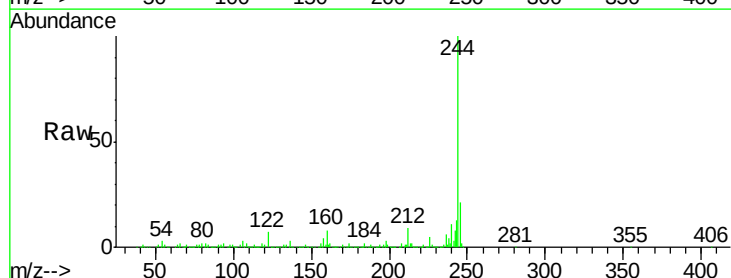
Tgt Ion:184 Resp: 23006

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

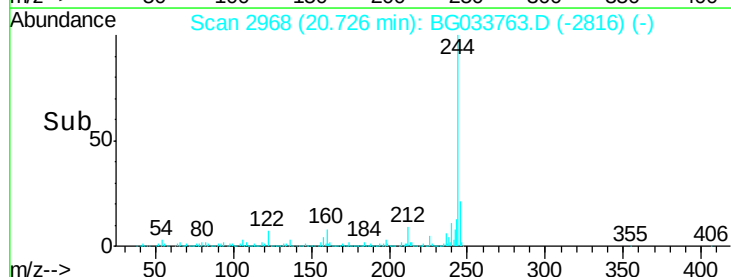
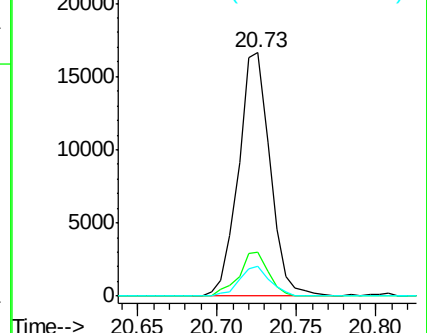
183 12.5 10.6 16.0

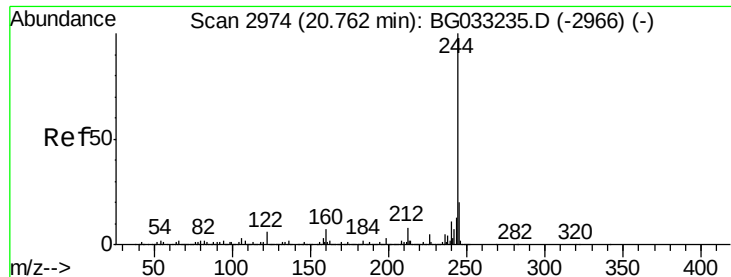


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.130 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033763.D

Acq: 12 Apr 2018 2:18

Instrument :

BNA_G

ClientSampled :

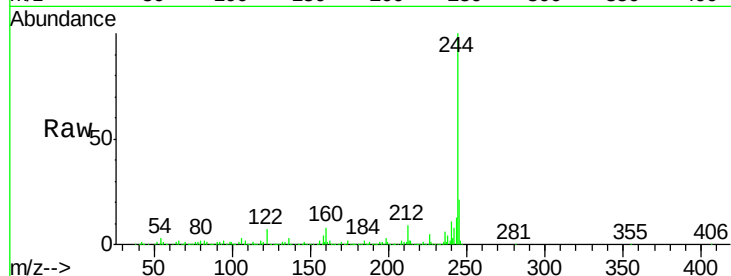
Tot Ion:244 Resp: 1381687

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

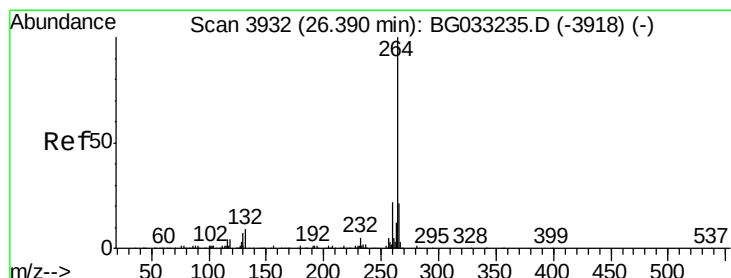
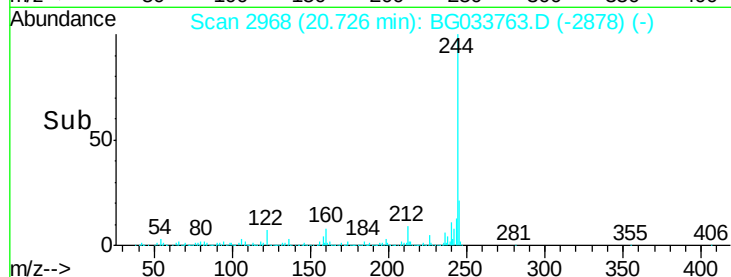
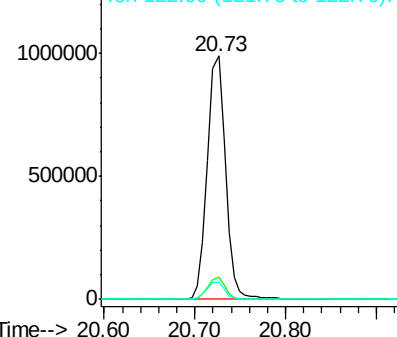
122 7.2 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.31 min Scan# 3918

Delta R.T. 0.00 min

Lab File: BG033763.D

Acq: 12 Apr 2018 2:18

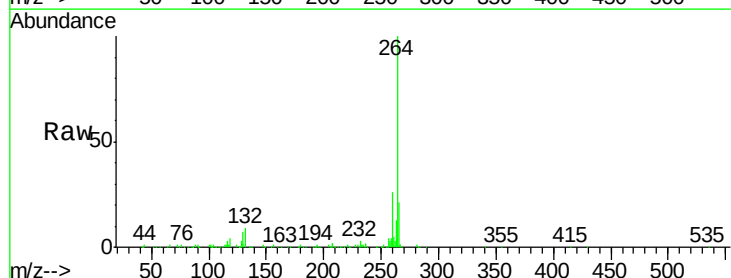
Tgt Ion:264 Resp: 318739

Ion Ratio Lower Upper

264 100

260 25.7 17.4 26.0

265 21.1 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

