

Data Path : U:\HPCHEM1\BNA G\DATA\BG033018\
 Data File : BG033477.D
 Acq On : 31 Mar 2018 10:36
 Operator : SJ/JU
 Sample : J2106-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 02 01:43:10 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

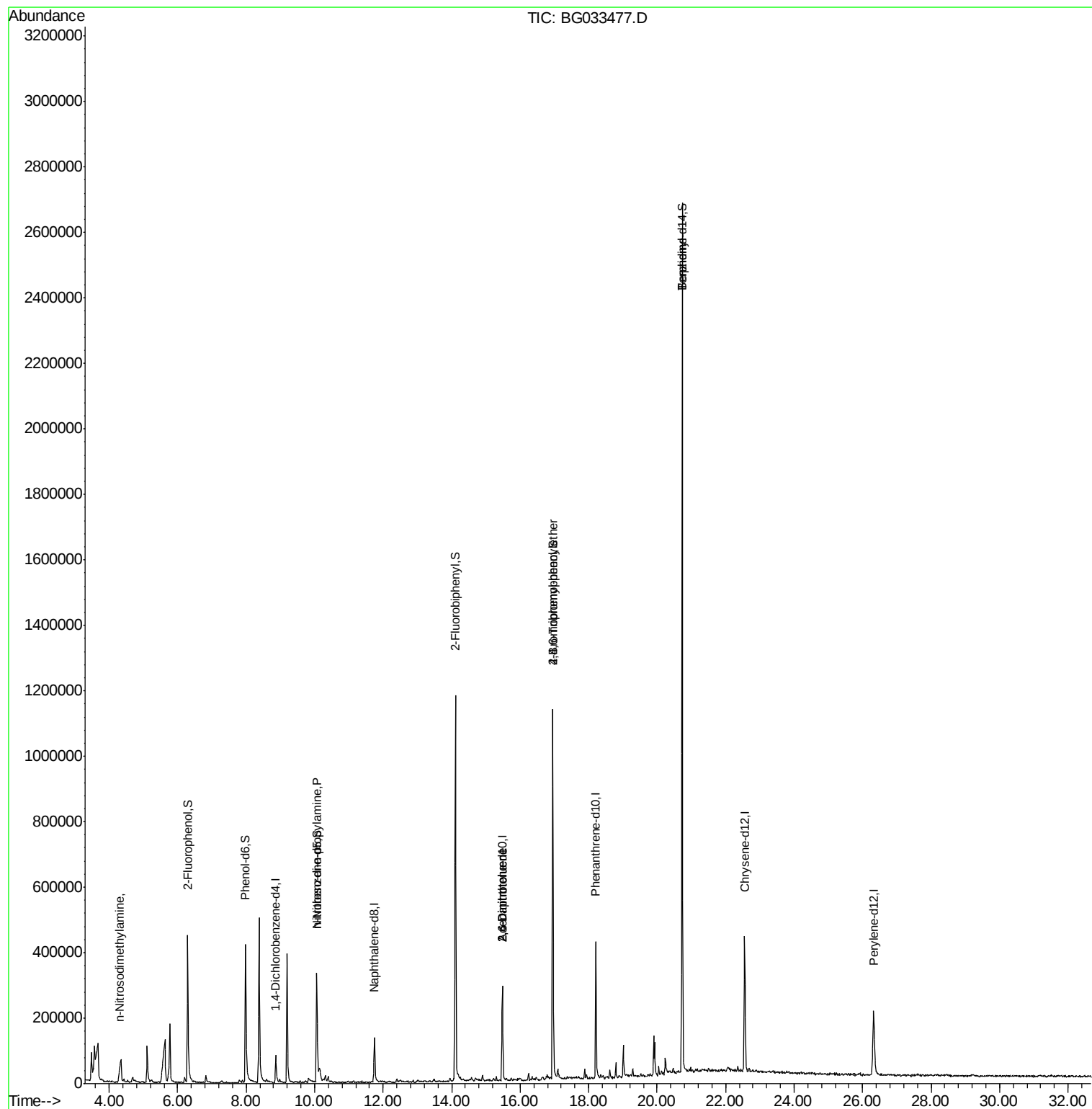
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	30965	20.00	ng	-0.02
21) Naphthalene-d8	11.75	136	138717	20.00	ng	-0.01
38) Acenaphthene-d10	15.48	164	110890	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	299158	20.00	ng	0.00
75) Chrysene-d12	22.56	240	312921	20.00	ng	0.00
86) Perylene-d12	26.32	264	263098	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	218244	132.16	ng	0.00
7) Phenol-d6	7.98	99	306586	108.05	ng	0.00
23) Nitrobenzene-d5	10.06	82	258910	85.75	ng	-0.02
41) 2,4,6-Tribromophenol	16.96	330	232245	140.03	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	675761	87.97	ng	0.00
78) Terphenyl-d14	20.73	244	1372760	93.82	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	4.31	42	4735	4.977	ng	# 13
19) n-Nitroso-di-n-propylamine	10.06	70	36431	17.522	ng	# 75
50) 2,6-Dinitrotoluene	15.48	165	14493	7.345	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	14493	4.988	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	19003	5.409	ng	# 1
76) Benzidine	20.73	184	23204	2.734	ng	# 88

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

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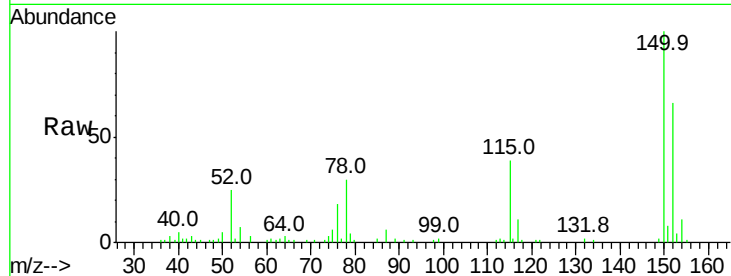


#1

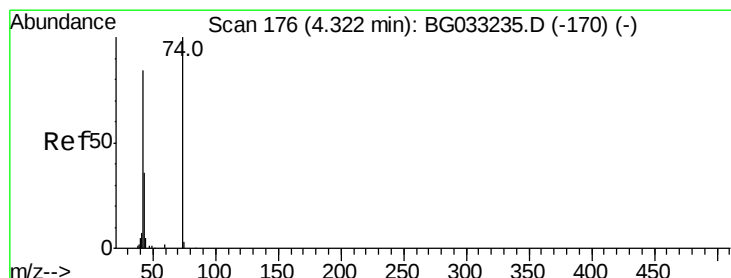
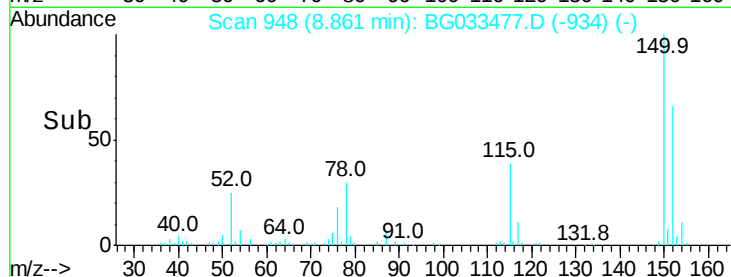
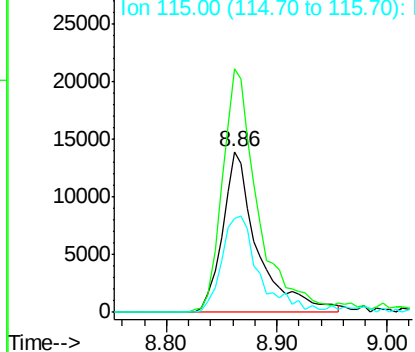
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.02 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30965
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 58.6 53.0 79.4



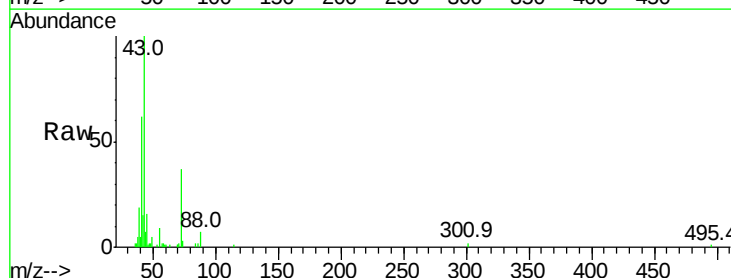
Abundance Ion 152.00 (151.70 to 152.70): B
Ion 150.00 (149.70 to 150.70): B
Ion 115.00 (114.70 to 115.70): B



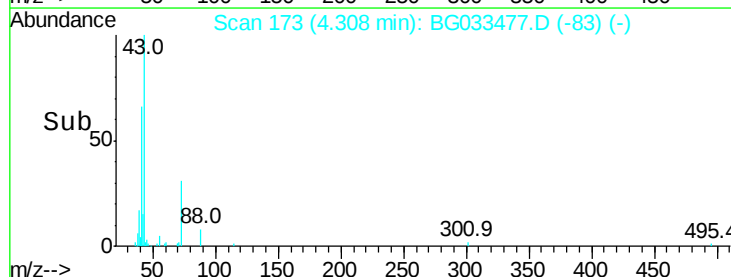
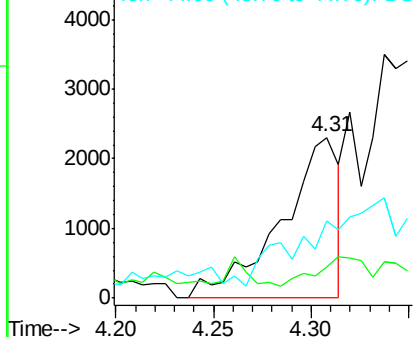
#4

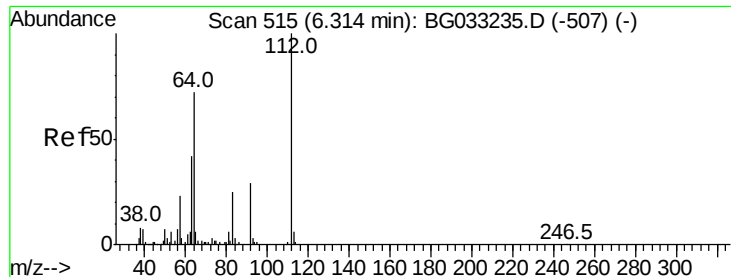
n-Nitrosodimethylamine
Concen: 4.977 ng
RT: 4.31 min Scan# 173
Delta R.T. 0.00 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

Tgt Ion: 42 Resp: 4735
Ion Ratio Lower Upper
42 100
74 19.6 102.5 153.7#
44 47.6 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 132.160 ng

RT: 6.29 min Scan# 511

Delta R.T. 0.00 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

Instrument :

BNA_G

ClientSampleId :

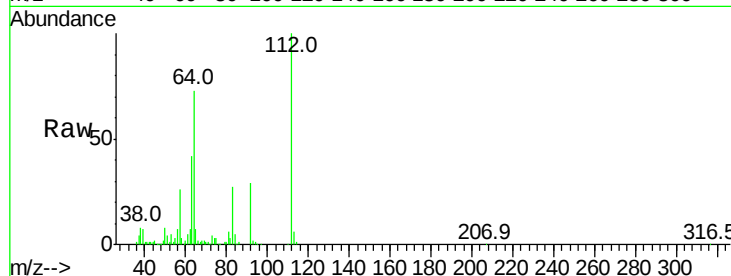
Tot Ion:112 Resp: 218244

Ion Ratio Lower Upper

112 100

64 73.4 56.3 84.5

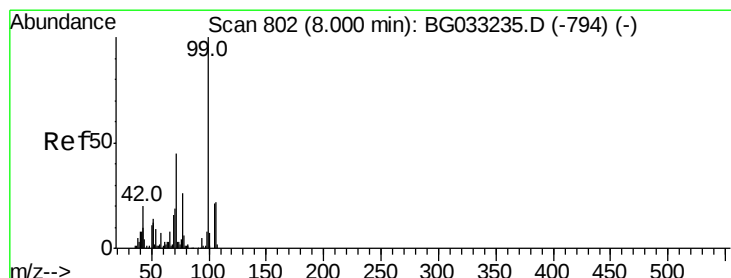
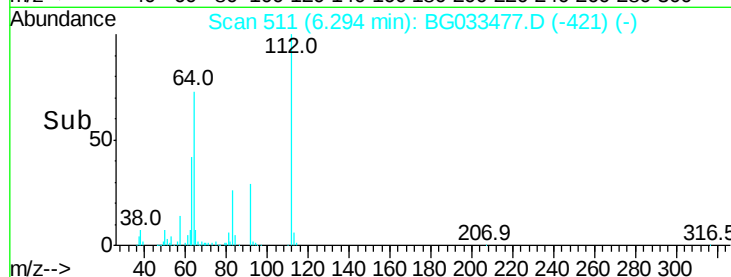
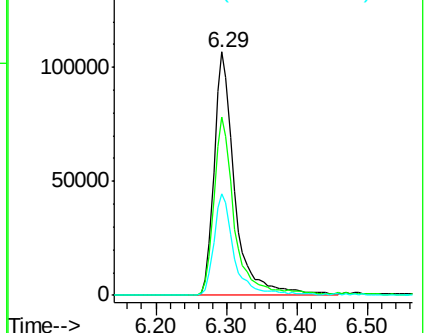
63 41.5 30.1 45.1



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: 108.053 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

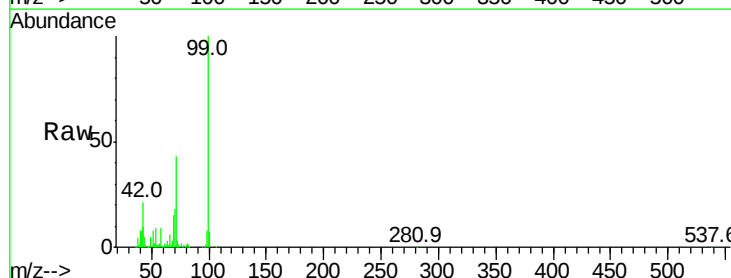
Tgt Ion: 99 Resp: 306586

Ion Ratio Lower Upper

99 100

42 21.2 14.1 21.1#

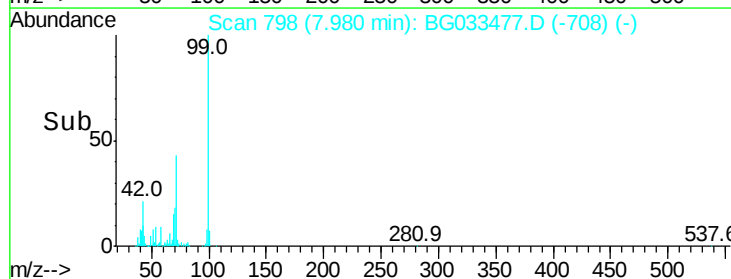
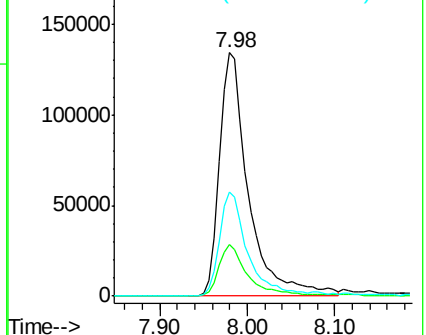
71 42.7 26.1 39.1#

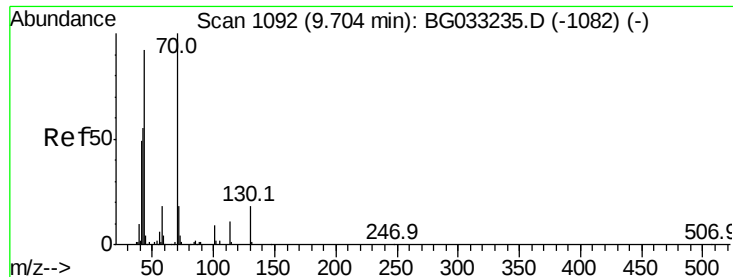


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

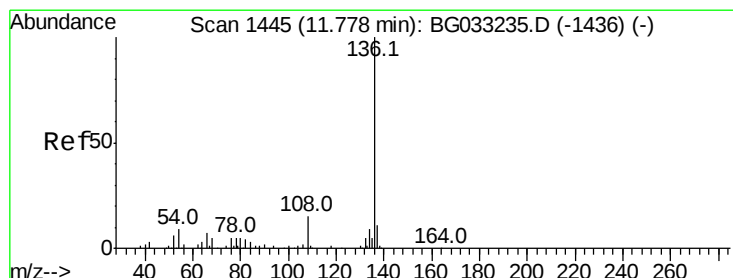
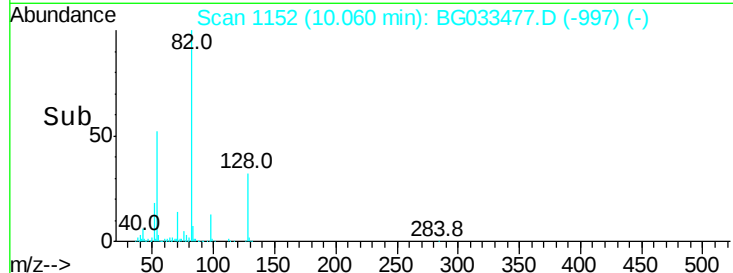
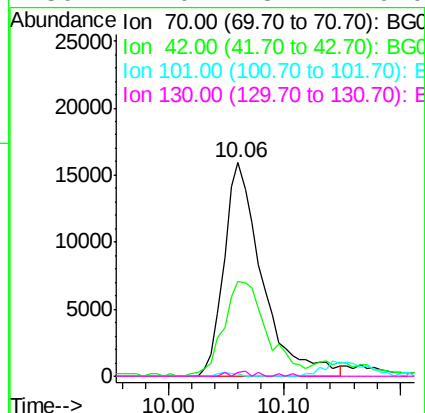
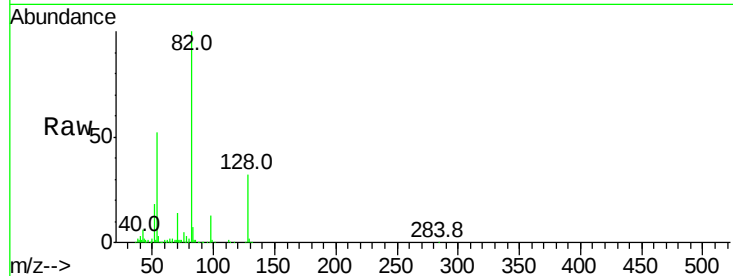




#19
n-Nitroso-di-n-propylamine
Concen: 17.522 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.38 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

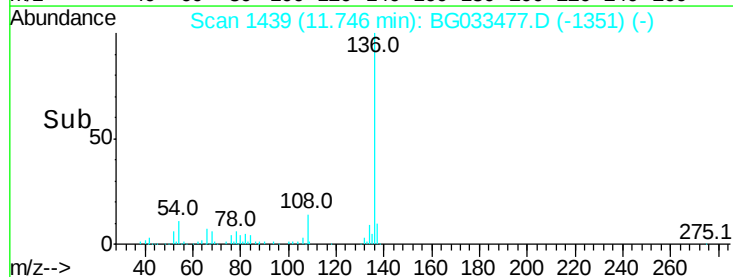
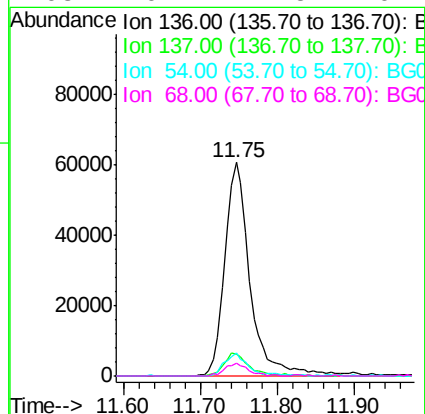
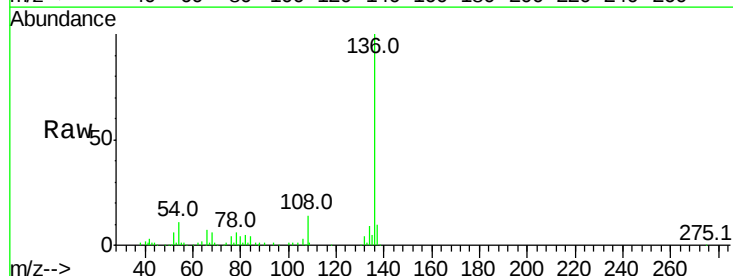
Instrument :
BNA_G
ClientSampleId :

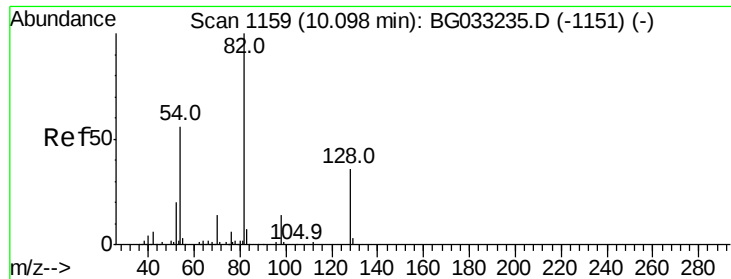
Tot Ion: 70 Resp: 36431
Ion Ratio Lower Upper
70 100
42 44.6 49.1 73.7#
101 1.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

Tgt Ion: 136 Resp: 138717
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 10.9 10.3 15.5
68 6.2 4.5 6.7

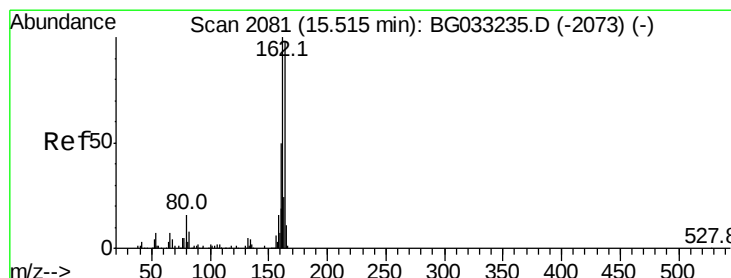
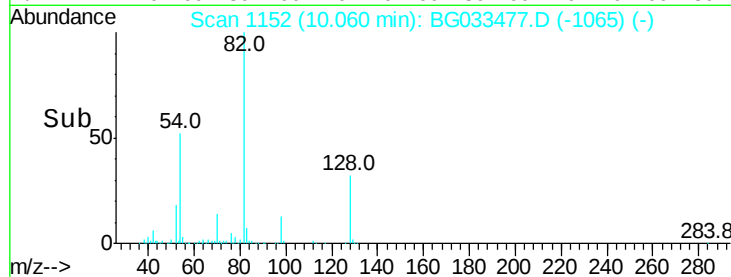
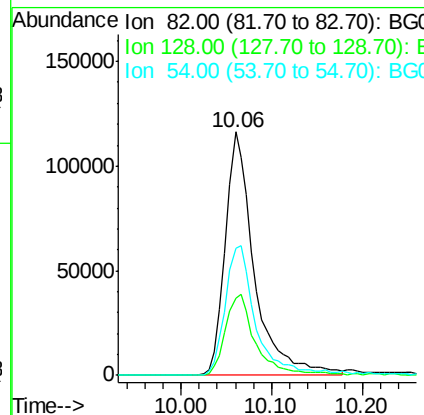
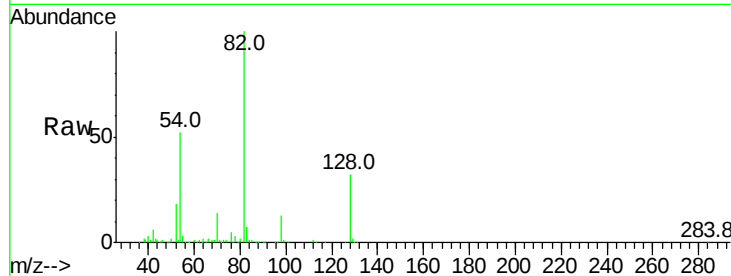




#23
Nitrobenzene-d5
Concen: 85.753 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

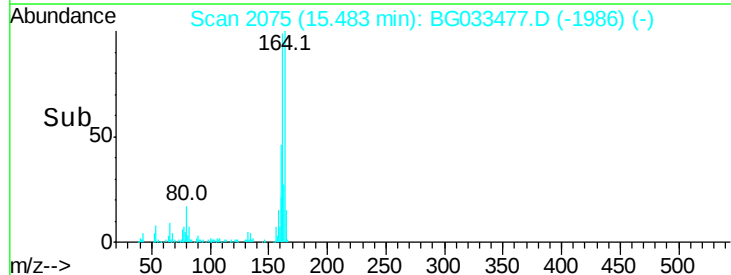
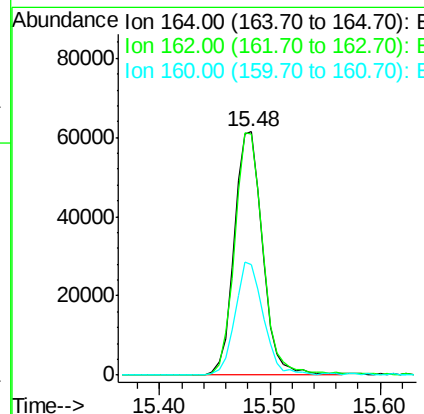
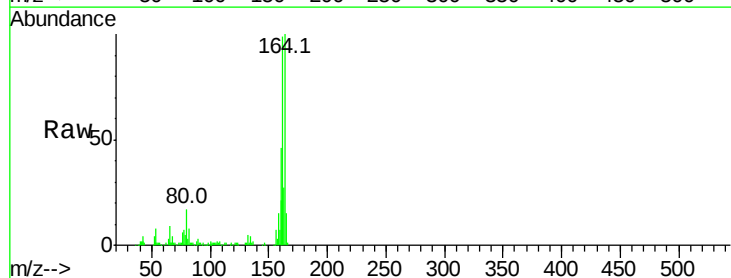
Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	258910
Ion	Ratio	Lower	Upper
82	100		
128	31.8	29.7	44.5
54	52.4	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG033477.D
Acq: 31 Mar 2018 10:36

Tgt Ion	164	Resp	110890
Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.8	118.2
160	45.6	35.4	53.0

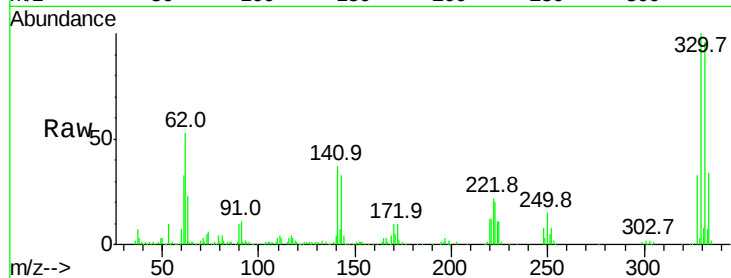




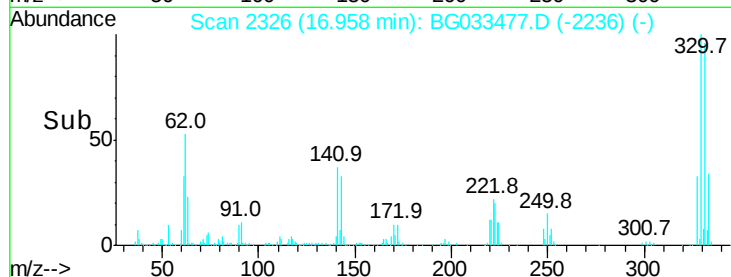
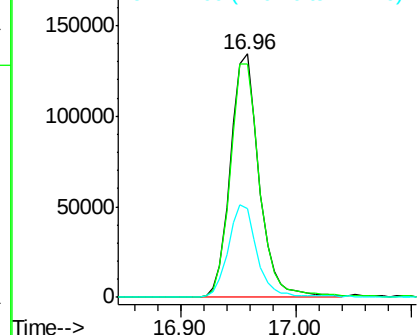
#41
 2,4,6-Tribromophenol
 Concen: 140.034 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033477.D
 Acq: 31 Mar 2018 10:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	37.6	25.2	37.8

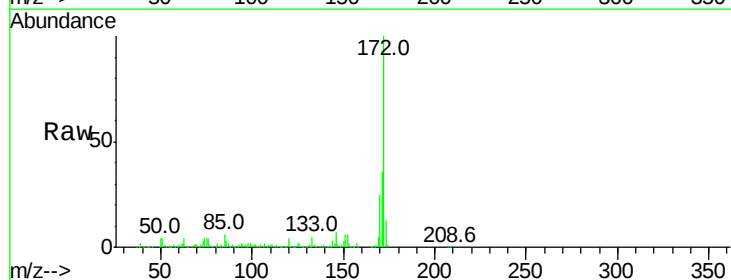


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

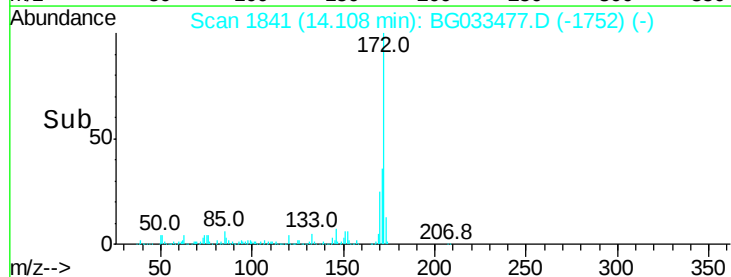
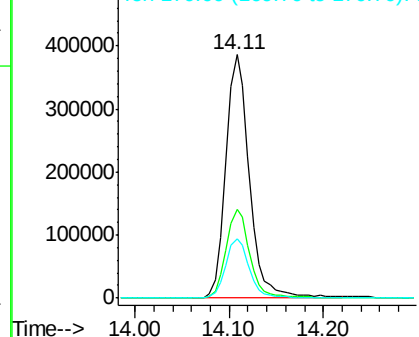


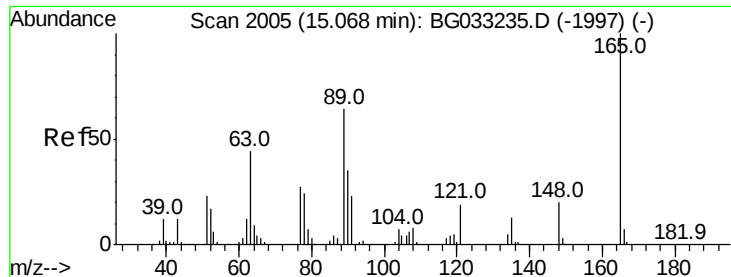
#44
 2-Fluorobiphenyl
 Concen: 87.975 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BG033477.D
 Acq: 31 Mar 2018 10:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	24.6	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

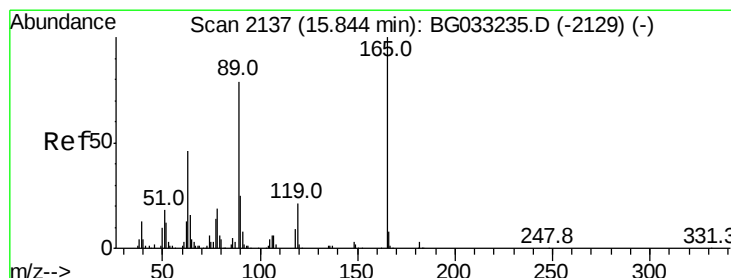
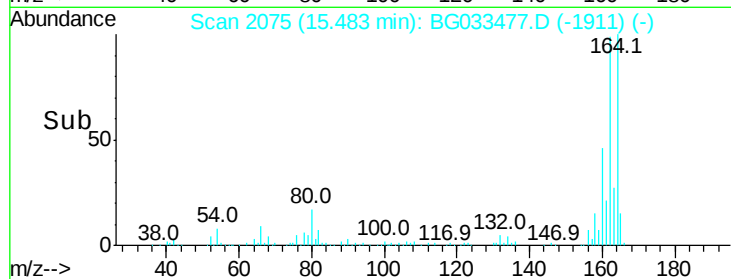
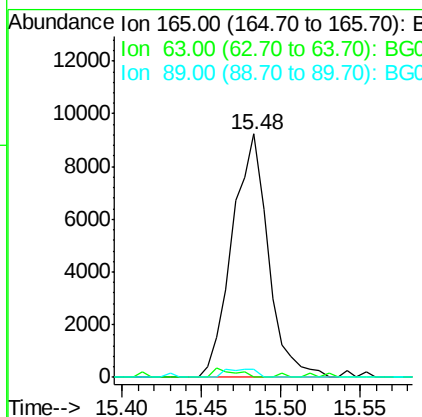
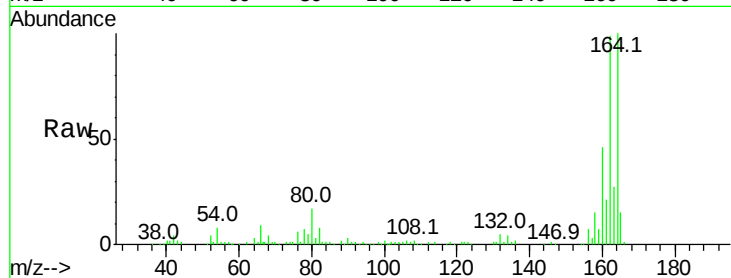




#50
 2,6-Dinitrotoluene
 Concen: 7.345 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.44 min
 Lab File: BG033477.D
 Acq: 31 Mar 2018 10:36

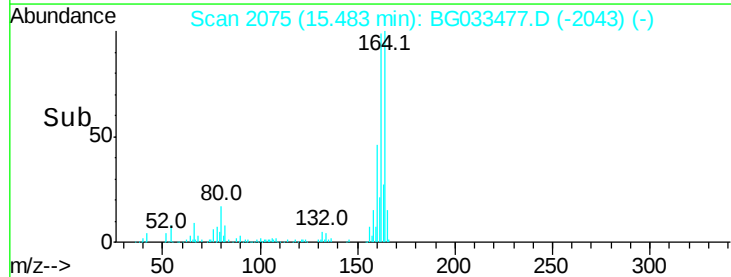
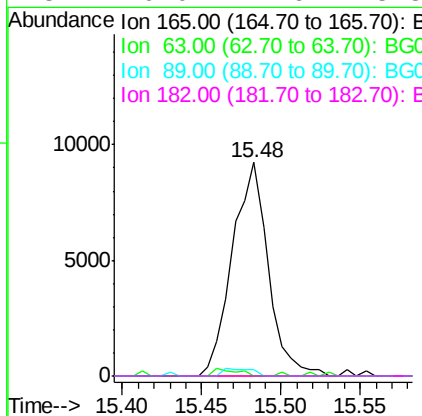
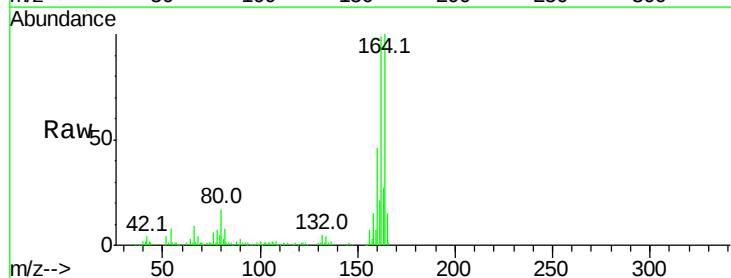
Instrument :
 BNA_G
 ClientSampleId :

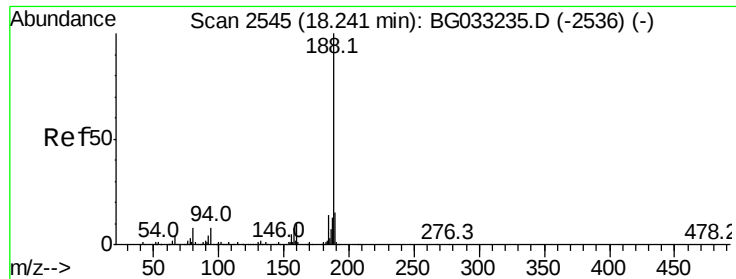
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.3	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.988 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.34 min
 Lab File: BG033477.D
 Acq: 31 Mar 2018 10:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.3	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

Instrument :

BNA_G

ClientSampleId :

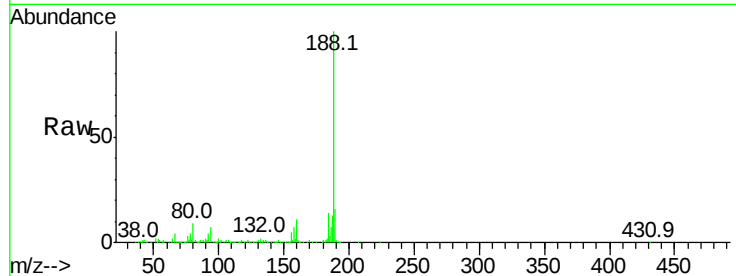
Tot Ion:188 Resp: 299158

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

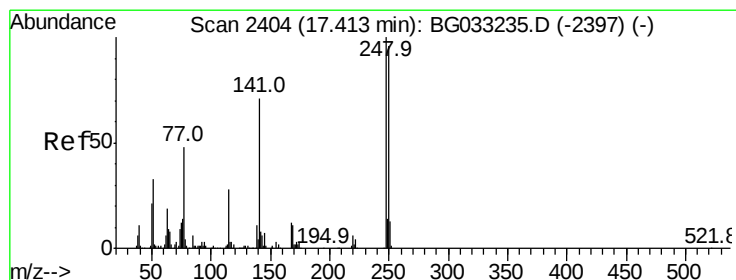
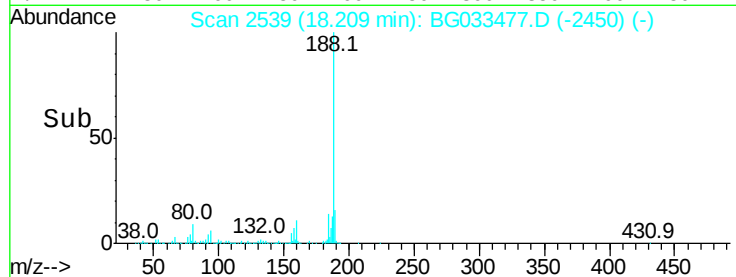
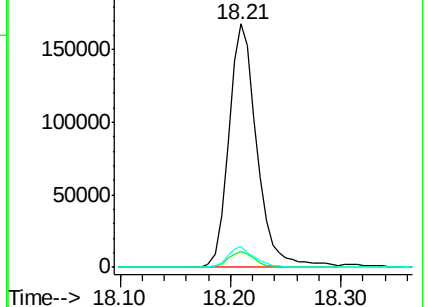
80 8.6 7.7 11.5



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: 5.409 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

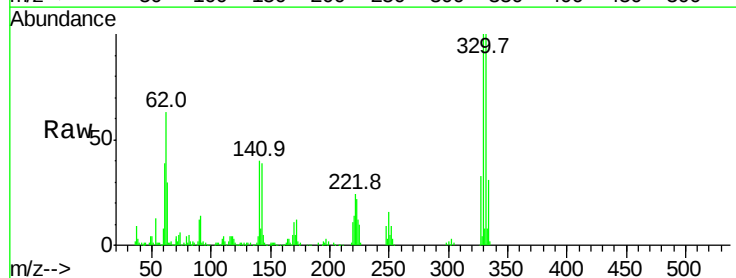
Tgt Ion:248 Resp: 19003

Ion Ratio Lower Upper

248 100

250 182.8 77.1 115.7#

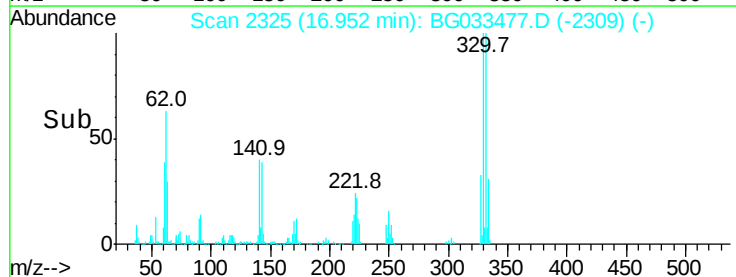
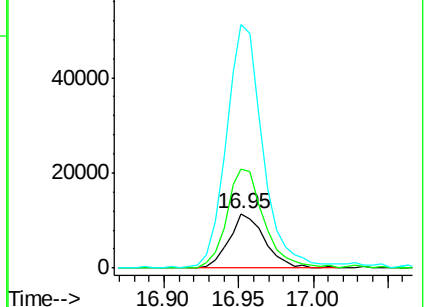
141 447.5 50.8 76.2#

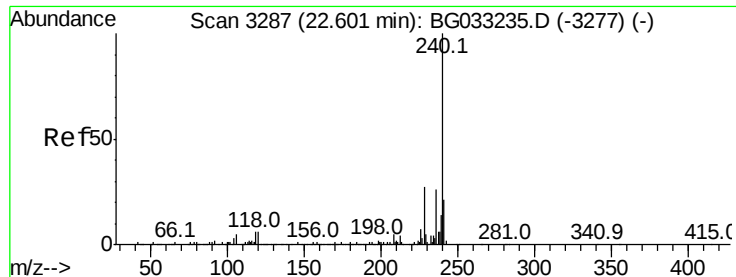


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

Instrument :

BNA_G

ClientSampleId :

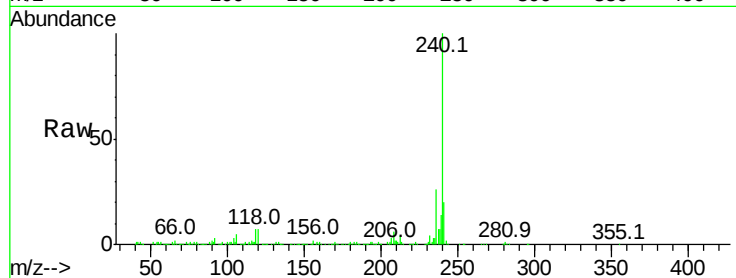
Tot Ion:240 Resp: 312921

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2

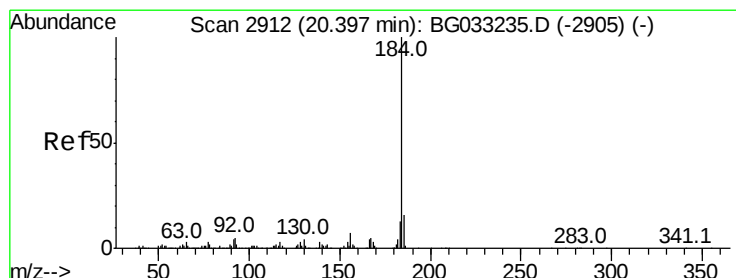
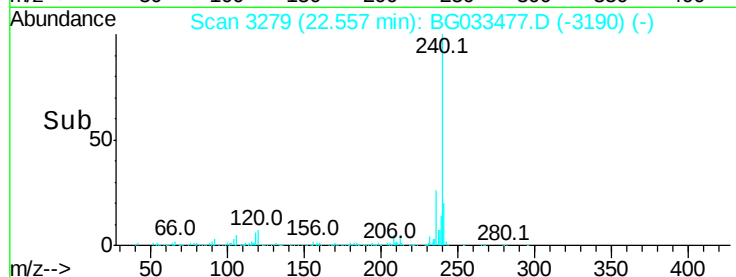
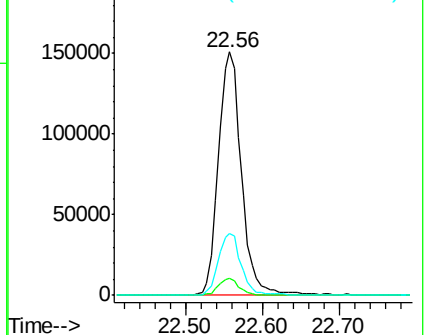
236 25.7 20.9 31.3



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: 2.734 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

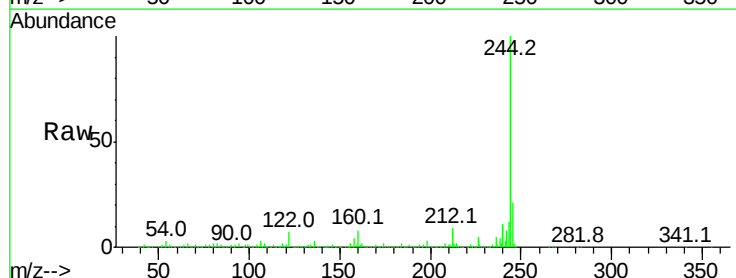
Tgt Ion:184 Resp: 23204

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

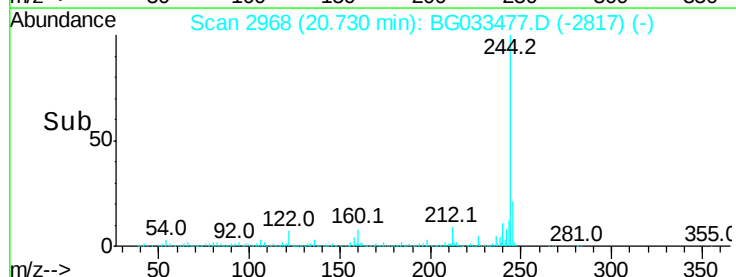
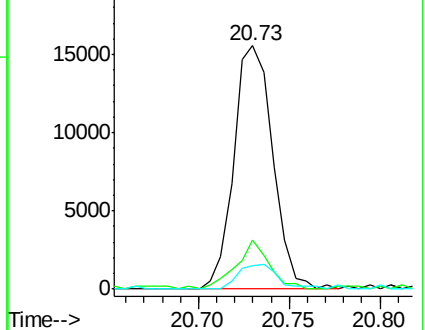
183 9.7 10.6 16.0#

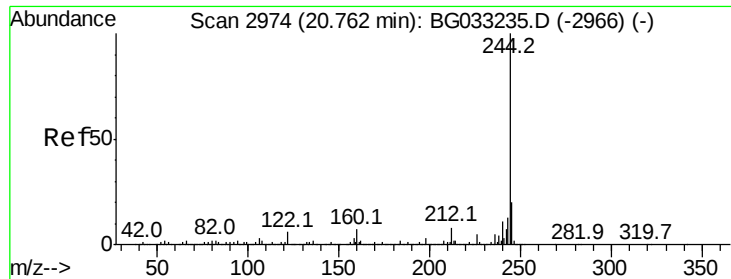


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.819 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

Instrument :

BNA_G

ClientSampleId :

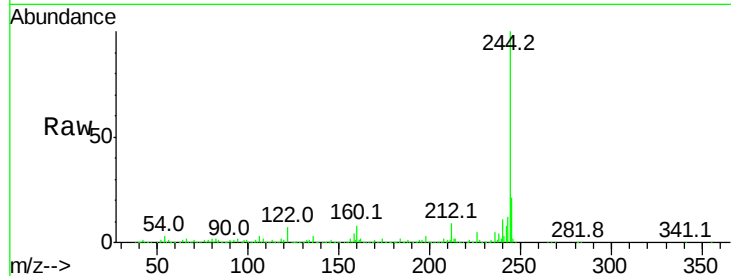
Tot Ion:244 Resp: 1372760

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

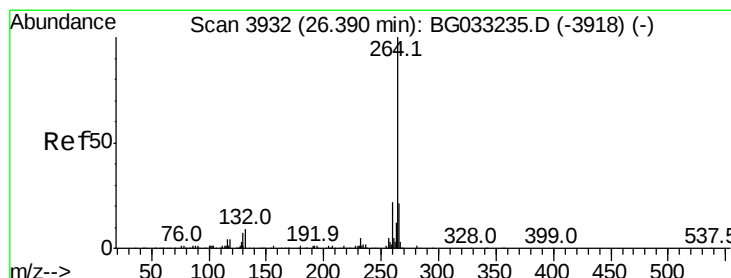
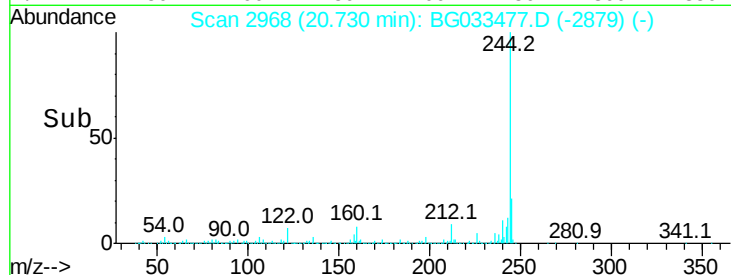
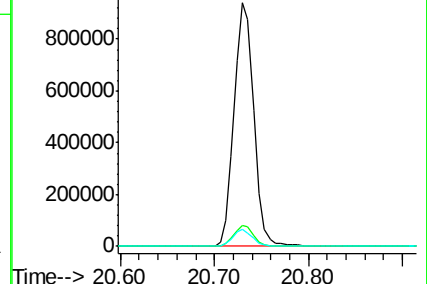
122 7.1 7.0 10.4



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: 26.32 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BG033477.D

Acq: 31 Mar 2018 10:36

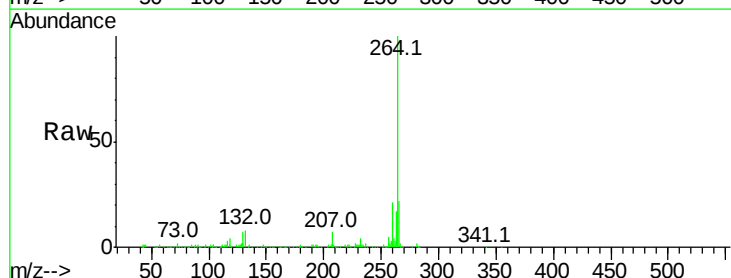
Tgt Ion:264 Resp: 263098

Ion Ratio Lower Upper

264 100

260 21.1 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

