

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033353.D
 Acq On : 27 Mar 2018 5:54
 Operator : SJ/JU
 Sample : J1758-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:53:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

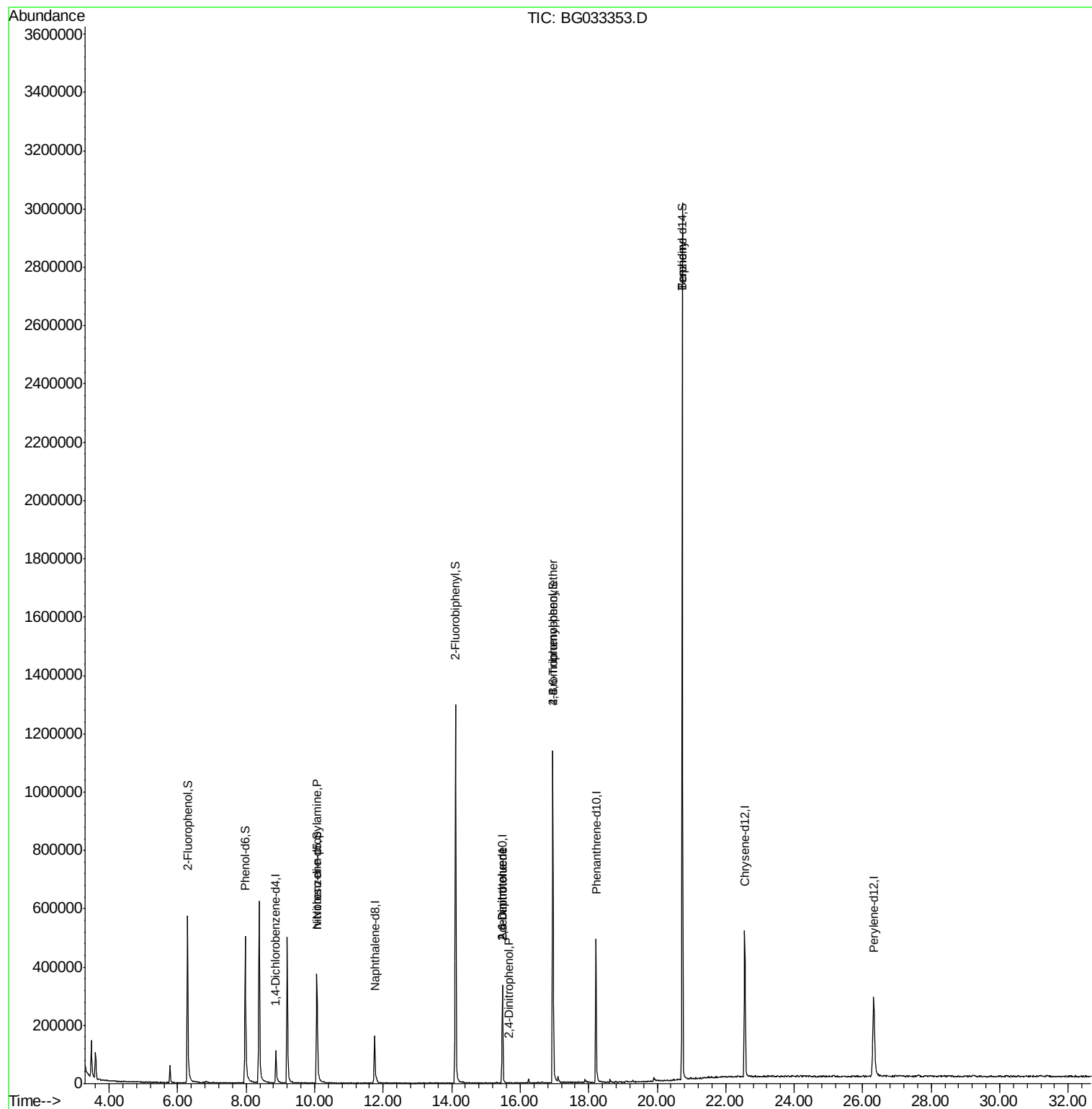
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	39713	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	165196	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	131823	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	363683	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	392483	20.00	ng	-0.04
86) Perylene-d12	26.33	264	407648	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	285297	134.71	ng	-0.02
7) Phenol-d6	7.97	99	387310	106.43	ng	-0.03
23) Nitrobenzene-d5	10.06	82	304900	84.80	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	247033	125.30	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	758361	83.05	ng	-0.02
78) Terphenyl-d14	20.73	244	1511966	82.39	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	40396	15.149	ng	# 74
50) 2,6-Dinitrotoluene	15.48	165	16609	7.080	ng	# 21
53) 2,4-Dinitrophenol	15.66	184	55	7.684	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	16609	4.809	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	18341	4.294	ng	# 1
76) Benzidine	20.73	184	25156	2.363	ng	# 93

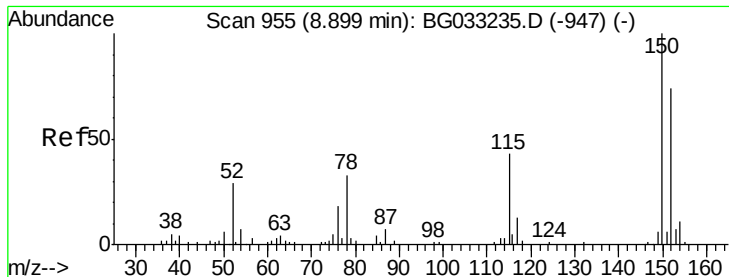
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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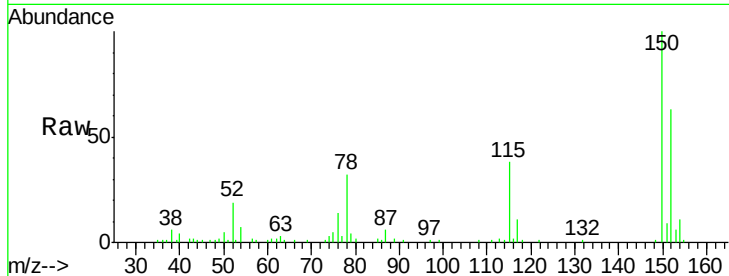


#1

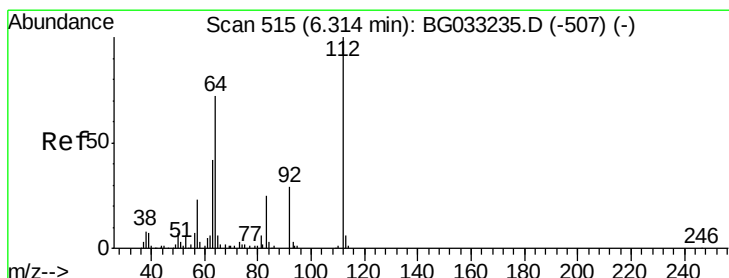
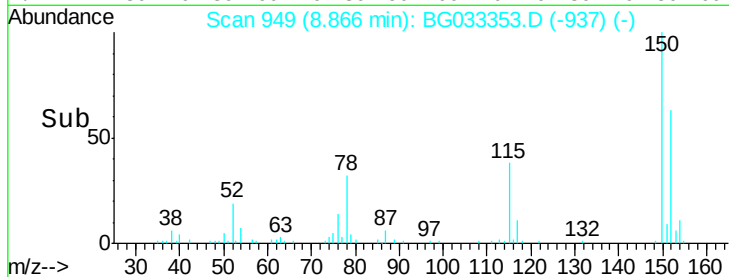
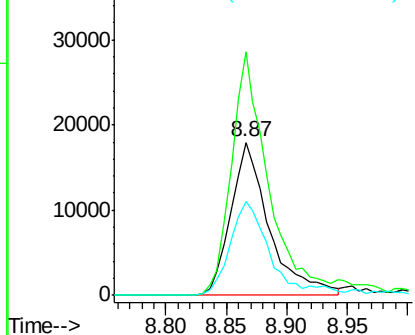
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	189.8
115	61.1	53.0	79.4



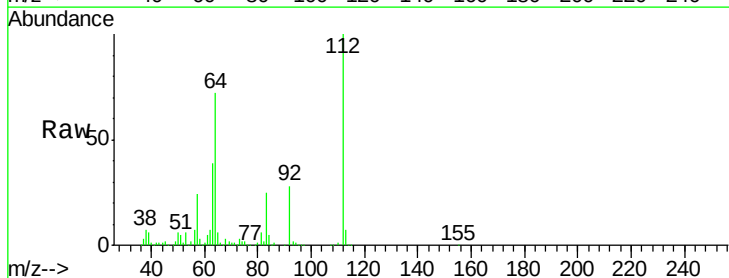
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



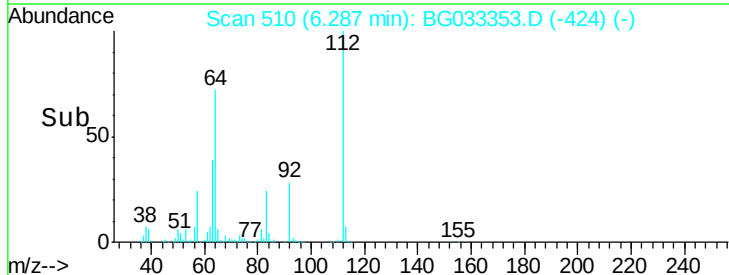
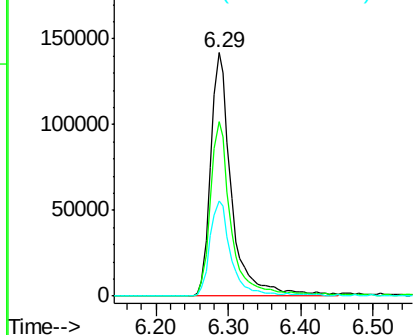
#5

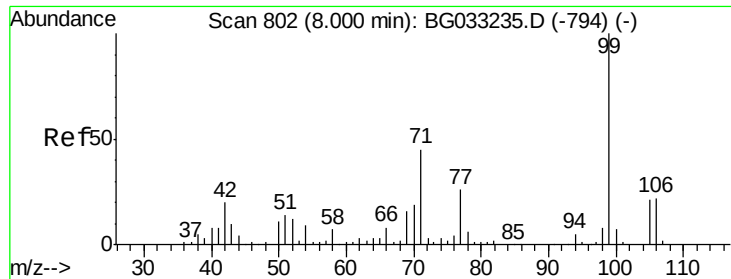
2-Fluorophenol
Concen: 134.708 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.02 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	56.3	84.5
63	39.0	30.1	45.1



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





#7

Phenol-d6

Concen: 106.434 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.03 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

Instrument :

BNA_G

ClientSampleId :

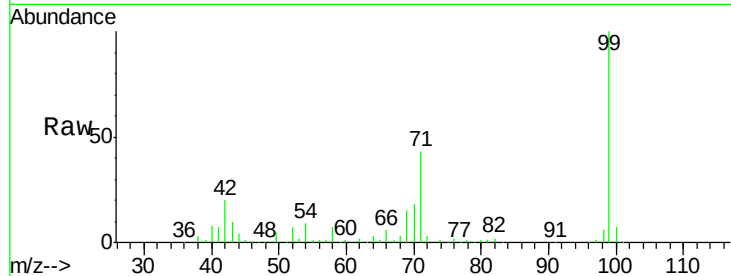
Tot Ion: 99 Resp: 387310

Ion Ratio Lower Upper

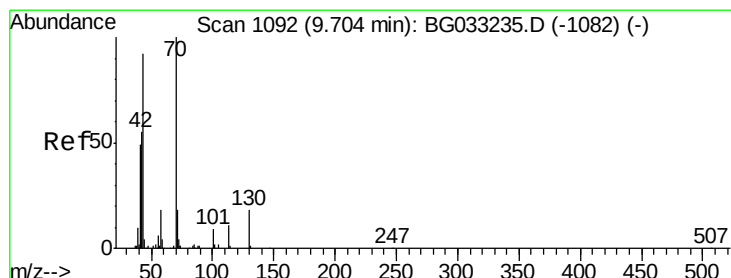
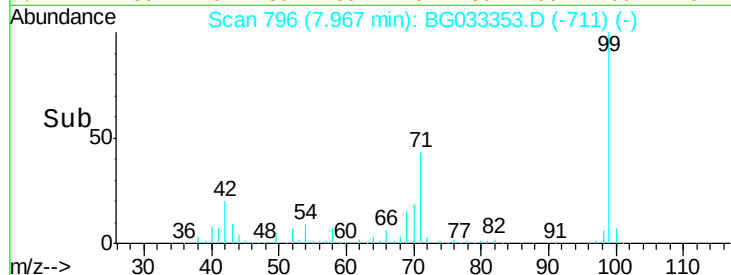
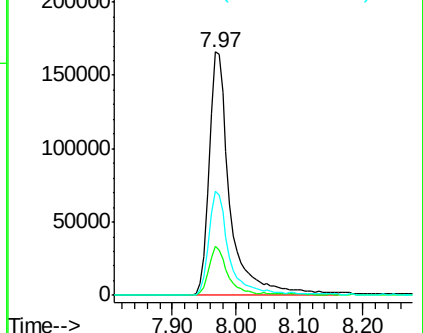
99 100

42 20.2 14.1 21.1

71 42.6 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: 15.149 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

Tgt Ion: 70 Resp: 40396

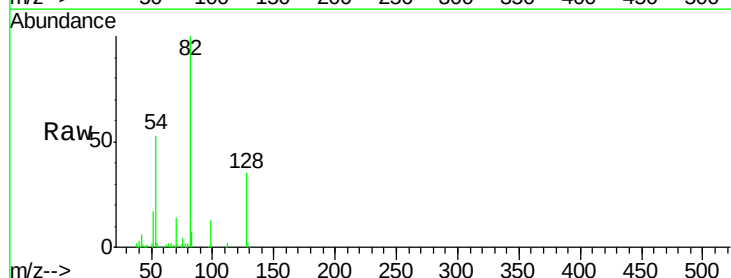
Ion Ratio Lower Upper

70 100

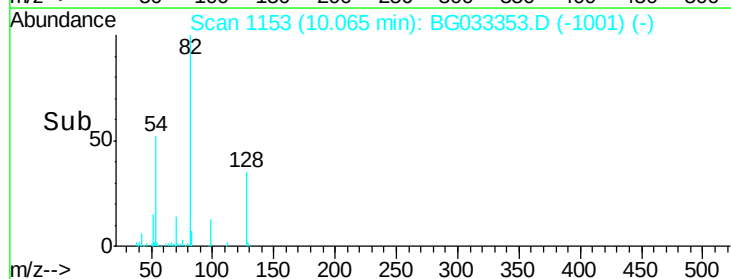
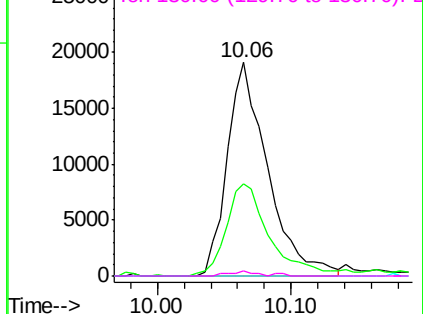
42 42.9 49.1 73.7#

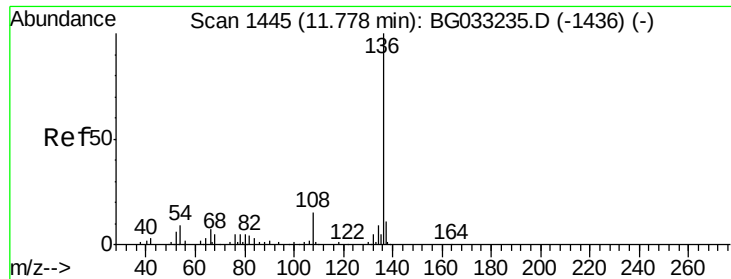
101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 165196

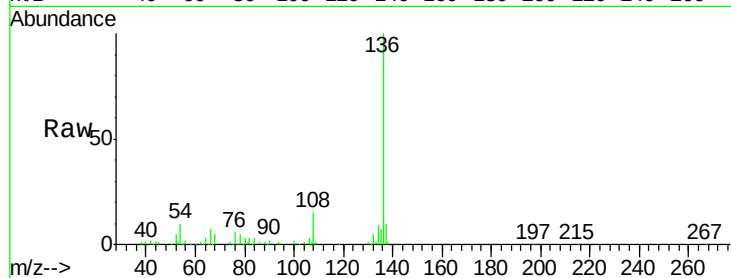
Ion Ratio Lower Upper

136 100

137 10.0 9.2 13.8

54 10.2 10.3 15.5#

68 4.7 4.5 6.7

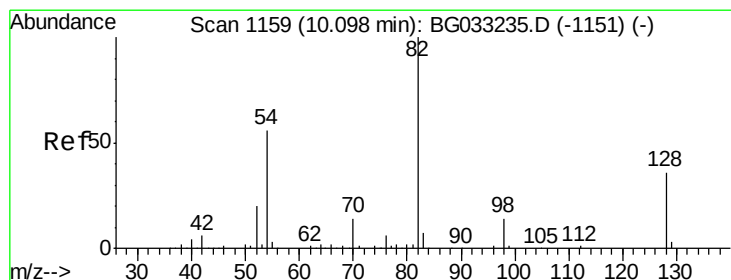
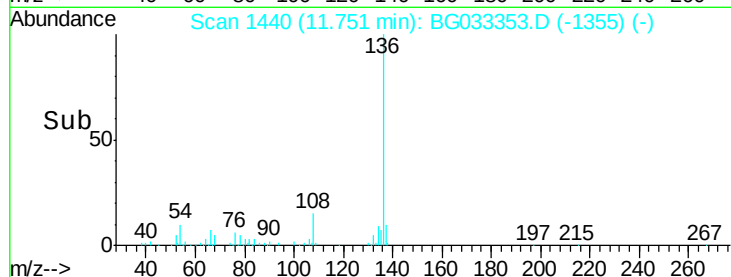
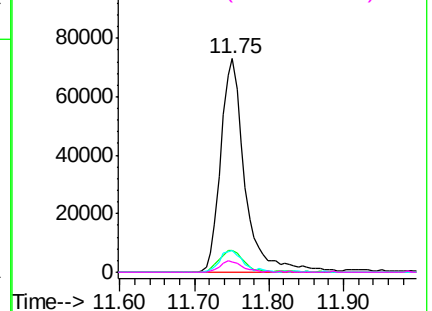


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 84.798 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

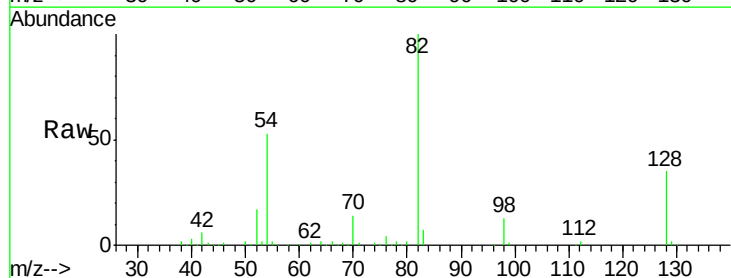
Tgt Ion: 82 Resp: 304900

Ion Ratio Lower Upper

82 100

128 34.7 29.7 44.5

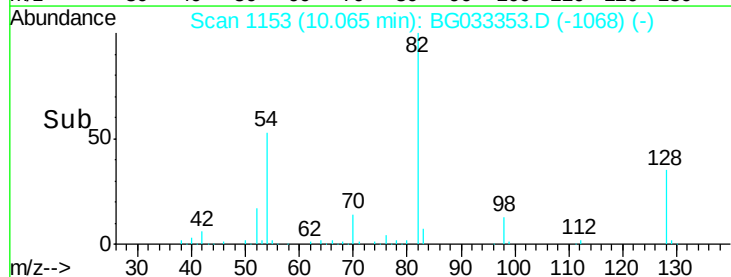
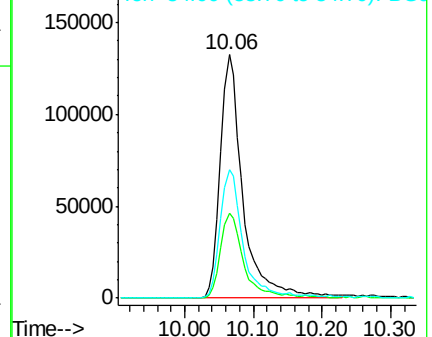
54 52.8 43.1 64.7

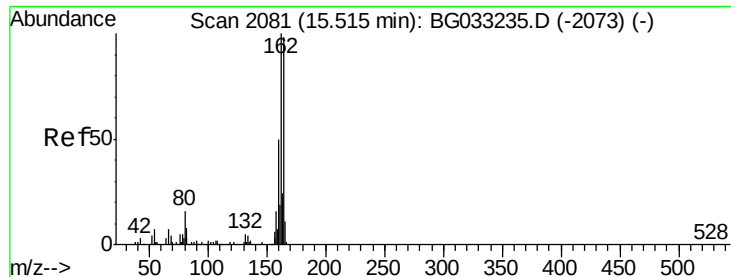


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

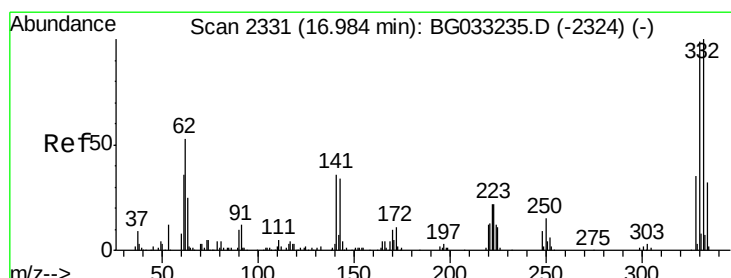
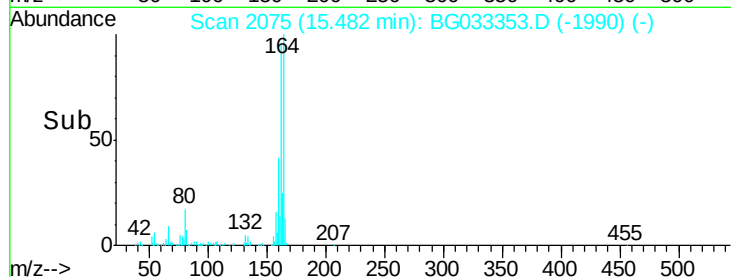
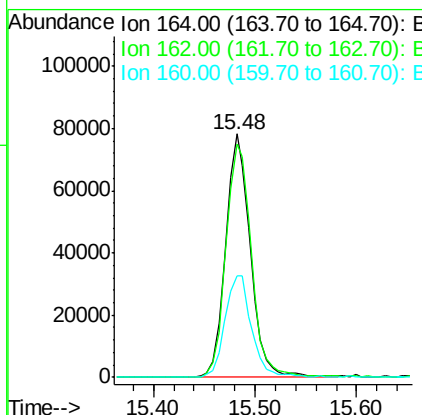
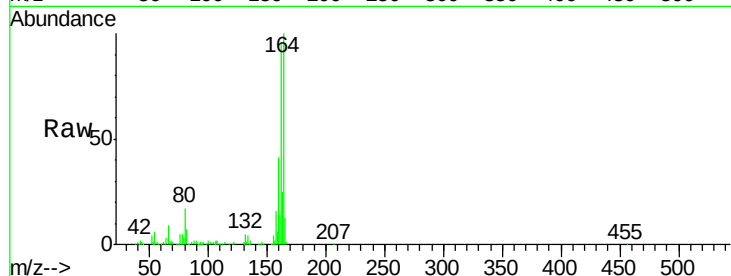




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.03 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

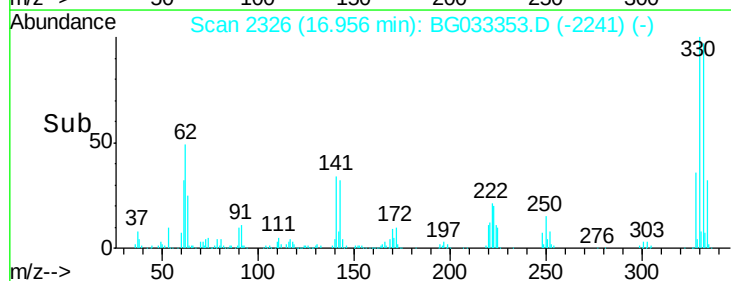
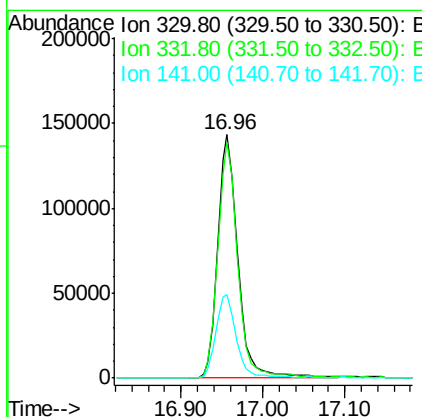
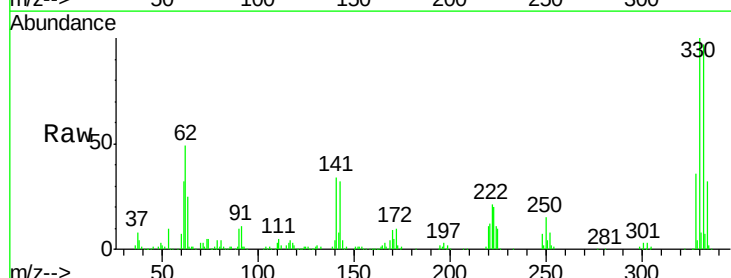
Instrument :
BNA_G
ClientSampleId :

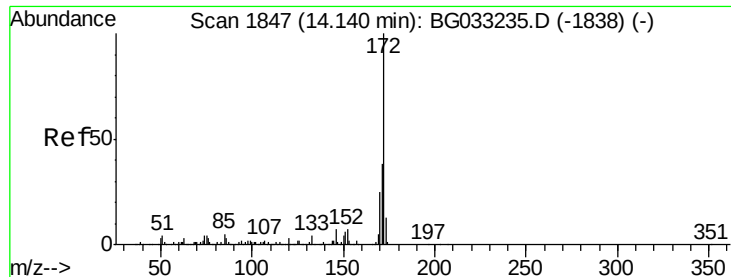
Tot Ion:164 Resp: 131823
Ion Ratio Lower Upper
164 100
162 95.7 78.8 118.2
160 41.5 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 125.298 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.03 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Tgt Ion:330 Resp: 247033
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 34.8 25.2 37.8

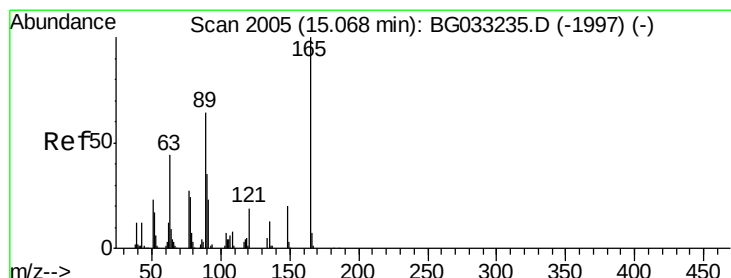
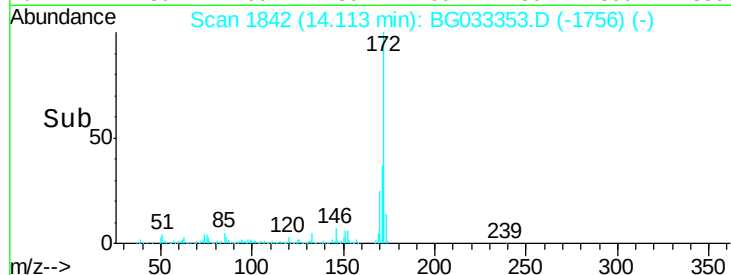
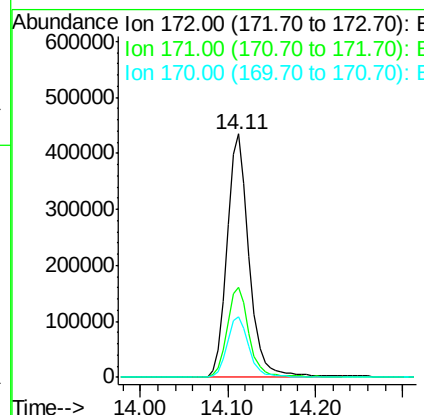
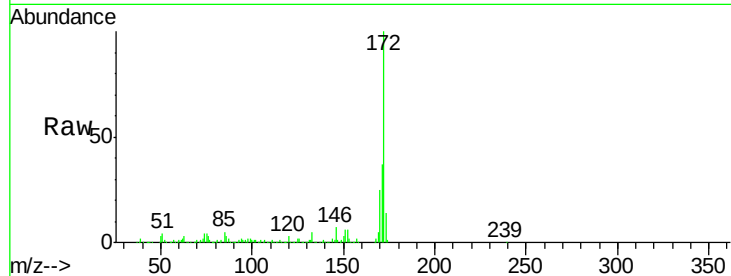




#44
 2-Fluorobiphenyl
 Concen: 83.050 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: BG033353.D
 Acq: 27 Mar 2018 5:54

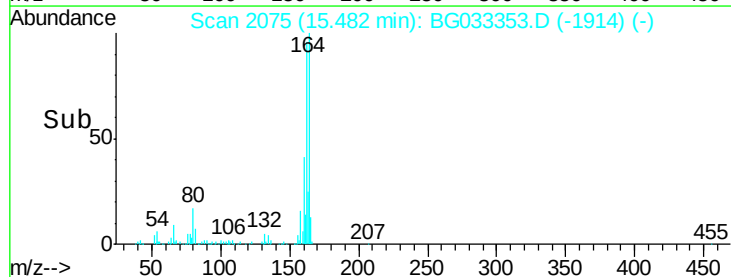
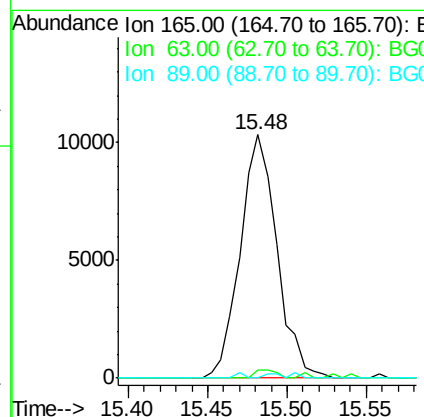
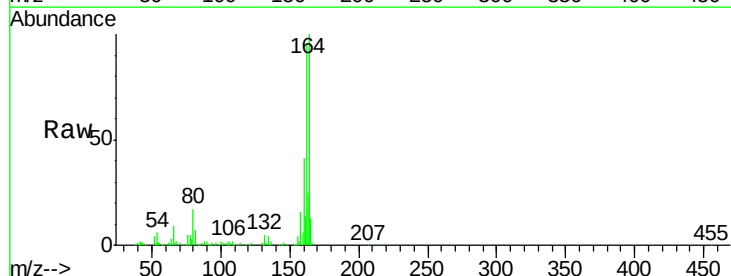
Instrument :
 BNA_G
 ClientSampleId :

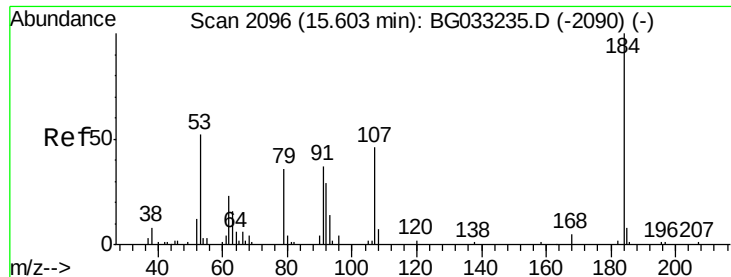
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.080 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.42 min
 Lab File: BG033353.D
 Acq: 27 Mar 2018 5:54

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

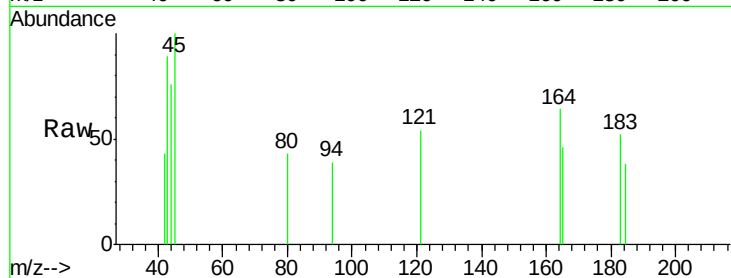




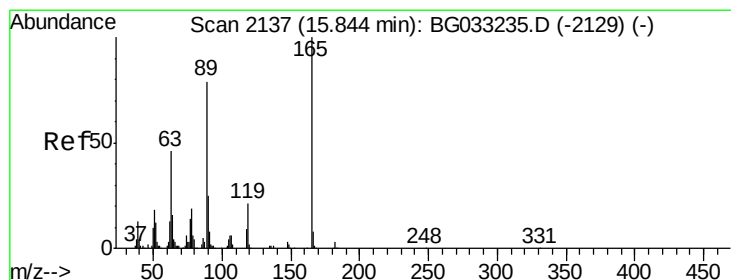
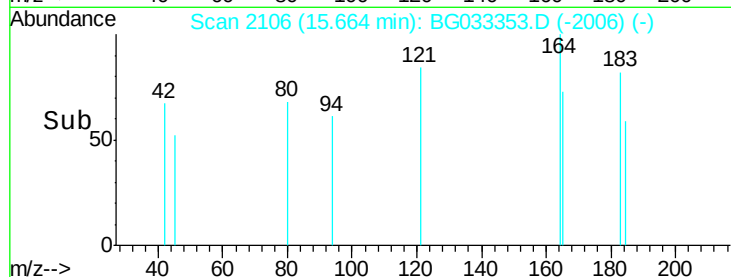
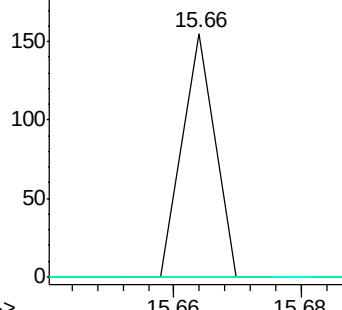
#53
2,4-Dinitrophenol
Concen: 7.684 ng
RT: 15.66 min Scan# 2106
Delta R.T. 0.06 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

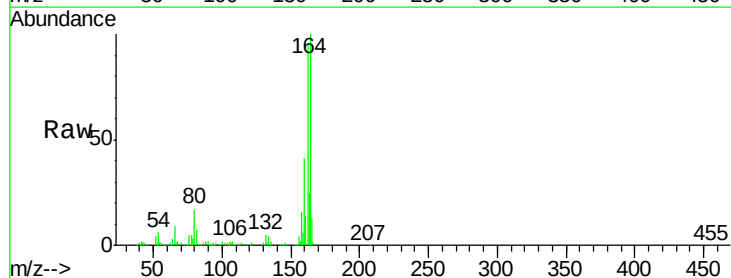


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

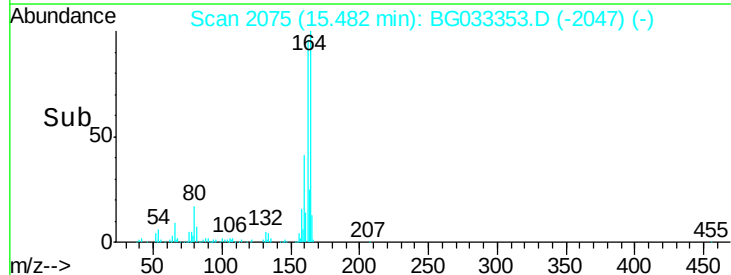
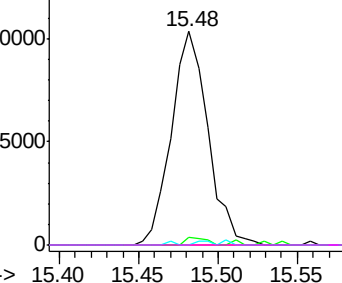


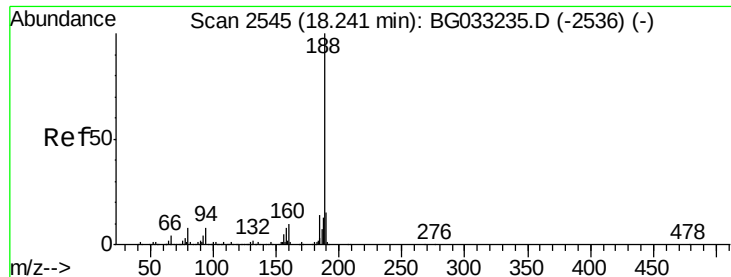
#56
2,4-Dinitrotoluene
Concen: 4.809 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.37 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Tgt Ion:165 Resp: 16609
Ion Ratio Lower Upper
165 100
63 3.3 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

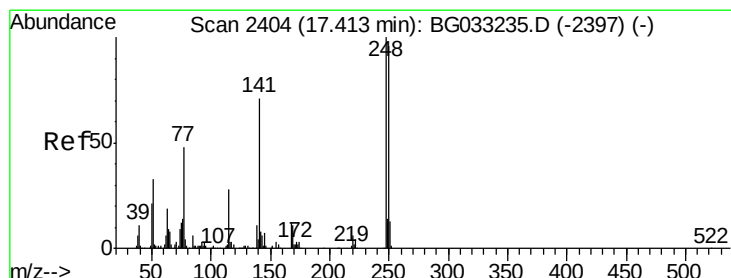
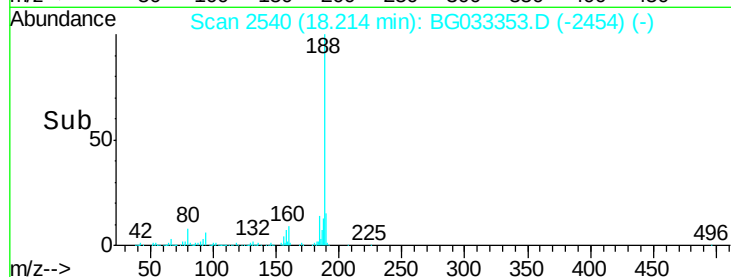
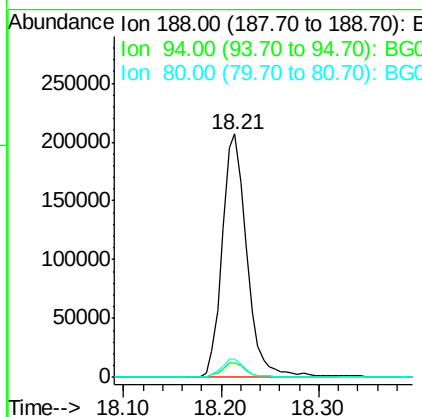
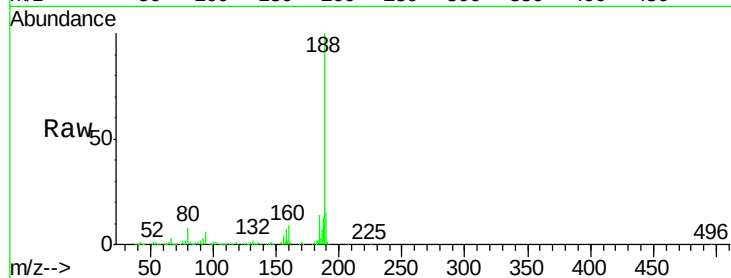




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

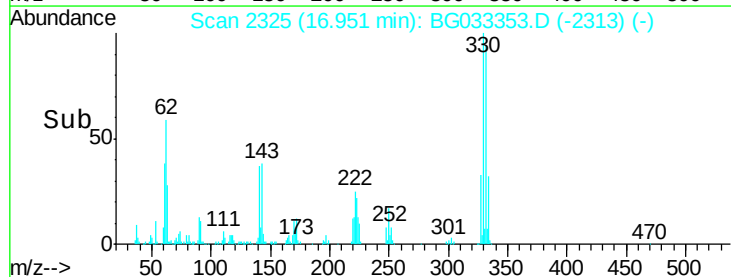
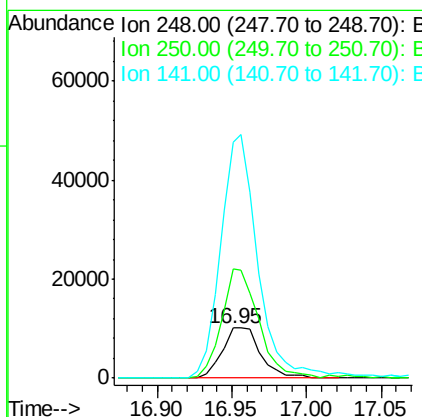
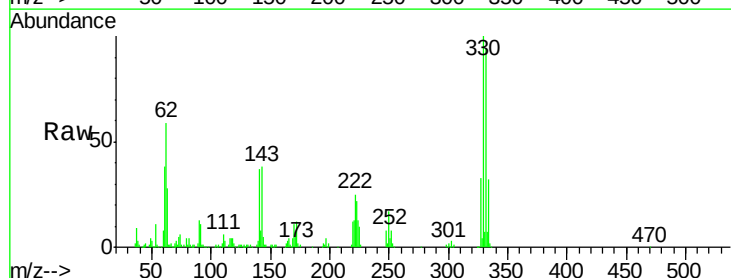
Instrument :
BNA_G
ClientSampled :

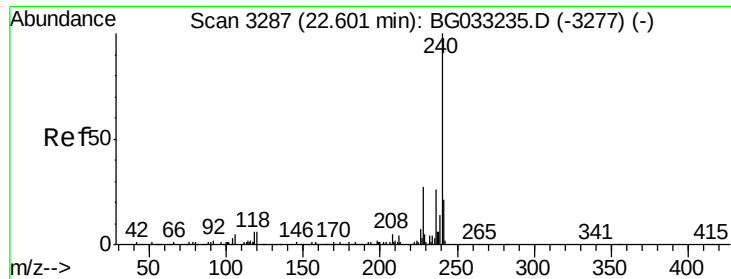
Tot Ion:188 Resp: 363683
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 7.7 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.294 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.46 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Tgt Ion:248 Resp: 18341
Ion Ratio Lower Upper
248 100
250 217.4 77.1 115.7#
141 471.3 50.8 76.2#

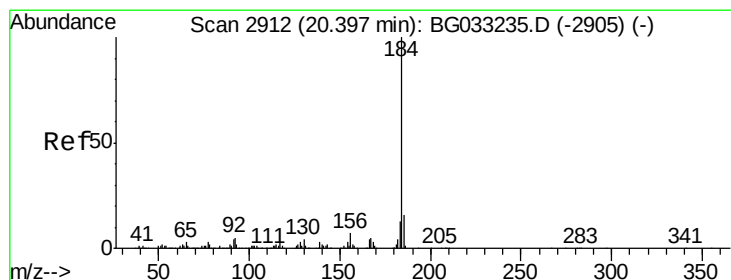
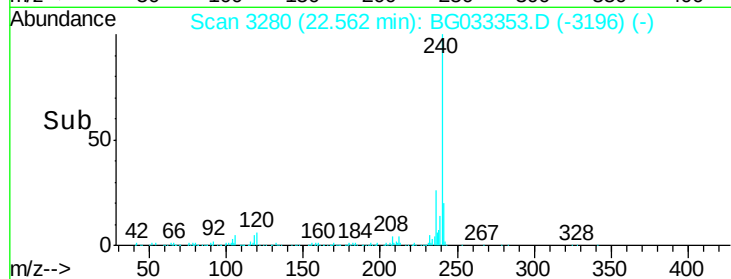
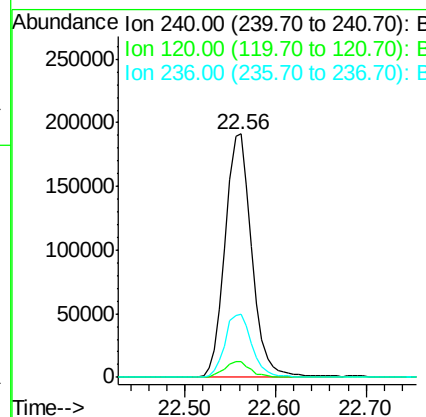
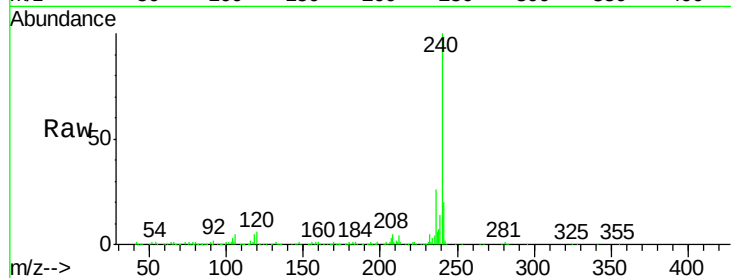




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.04 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

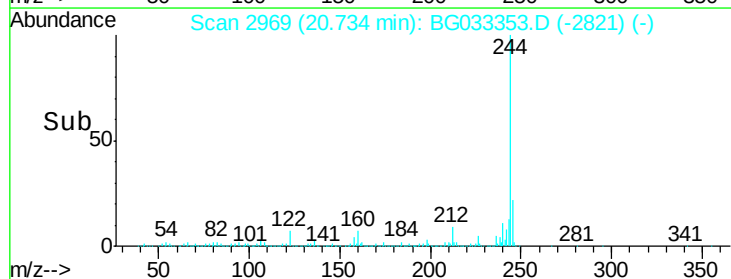
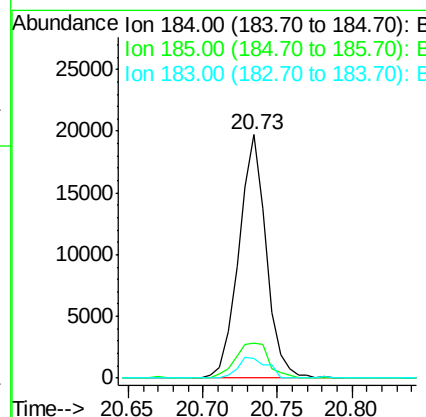
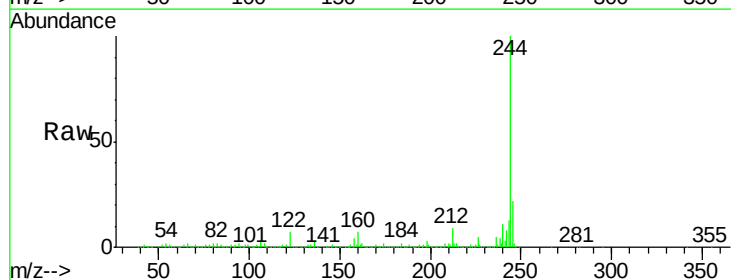
Instrument :
BNA_G
ClientSampleId :

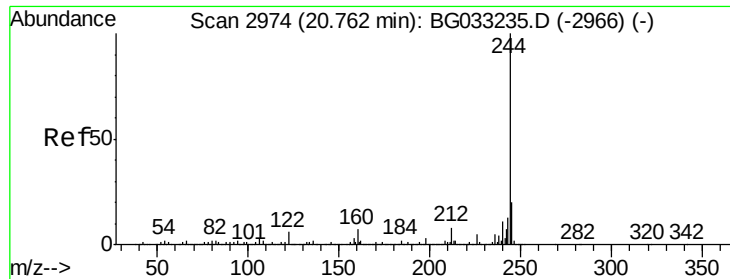
Tot Ion:240 Resp: 392483
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 26.2 20.9 31.3



#76
Benzidine
Concen: 2.363 ng
RT: 20.73 min Scan# 2969
Delta R.T. 0.34 min
Lab File: BG033353.D
Acq: 27 Mar 2018 5:54

Tgt Ion:184 Resp: 25156
Ion Ratio Lower Upper
184 100
185 14.3 11.1 16.7
183 8.2 10.6 16.0#





#78

Terphenyl-d14

Concen: 82.386 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

Instrument :

BNA_G

ClientSampleId :

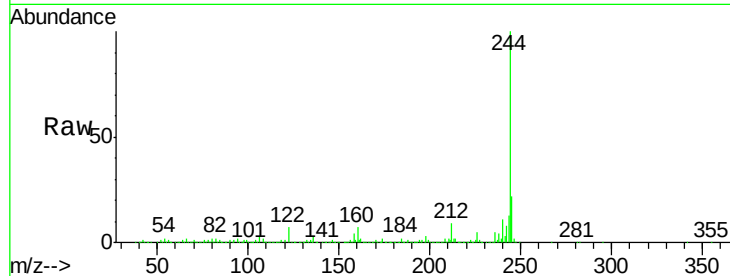
Tot Ion:244 Resp: 1511966

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

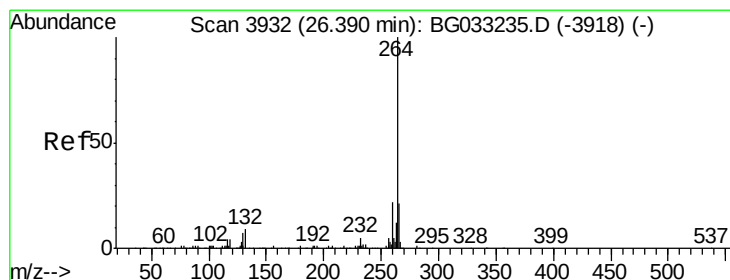
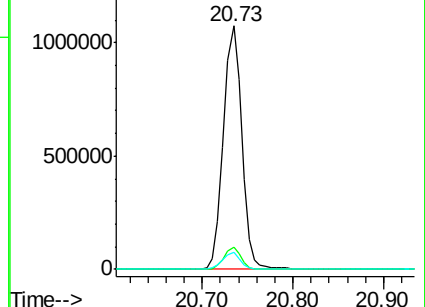
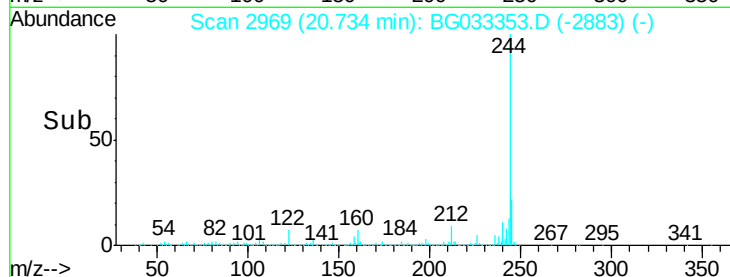
122 6.8 7.0 10.4#



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: 26.33 min Scan# 3921

Delta R.T. -0.06 min

Lab File: BG033353.D

Acq: 27 Mar 2018 5:54

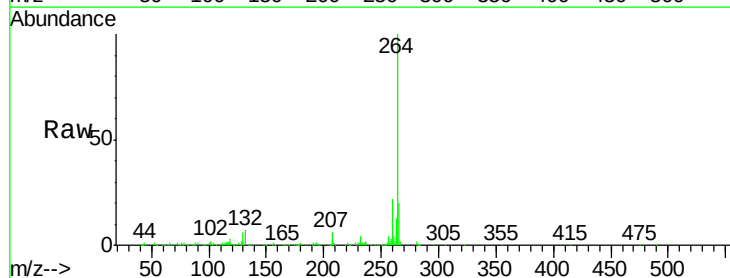
Tgt Ion:264 Resp: 407648

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 19.8 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

