

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033107.D
 Acq On : 13 Mar 2018 2:52
 Operator : SJ/JU
 Sample : J1867-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:49:44 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

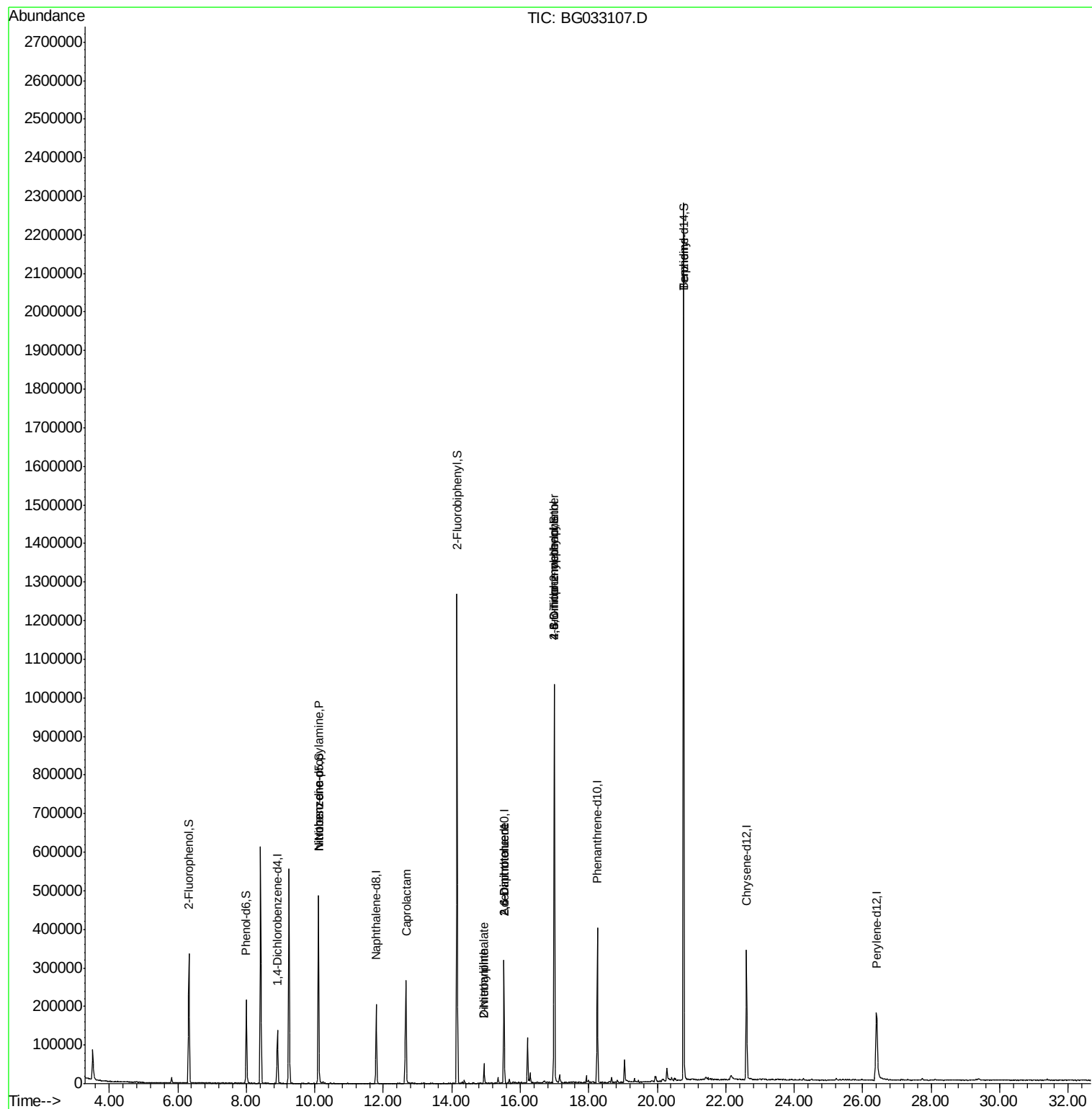
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	39736	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	176311	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	103039	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	244399	20.00	ng	0.00
75) Chrysene-d12	22.60	240	231675	20.00	ng	0.00
86) Perylene-d12	26.40	264	240015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	155894	62.77	ng	0.00
7) Phenol-d6	8.00	99	130122	37.59	ng	0.00
23) Nitrobenzene-d5	10.11	82	302935	115.24	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	194292	179.33	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	668498	93.57	ng	0.00
78) Terphenyl-d14	20.77	244	1026007	99.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	40375	16.520	ng	# 84
24) Nitrobenzene	10.11	77	804	6.628	ng	# 34
35) Caprolactam	12.66	113	50641	51.835	ng	# 88
47) 2-Nitroaniline	14.94	65	270	9.962	ng	# 1
49) Dimethylphthalate	14.94	163	33548	3.835	ng	# 96
50) 2,6-Dinitrotoluene	15.52	165	13747	16.631	ng	# 22
56) 2,4-Dinitrotoluene	15.52	165	13747	14.831	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.99	198	419	5.677	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	13413	5.190	ng	# 1
76) Benzidine	20.77	184	17253	2.185	ng	# 90

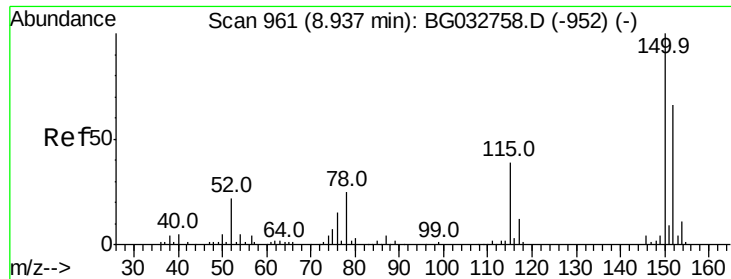
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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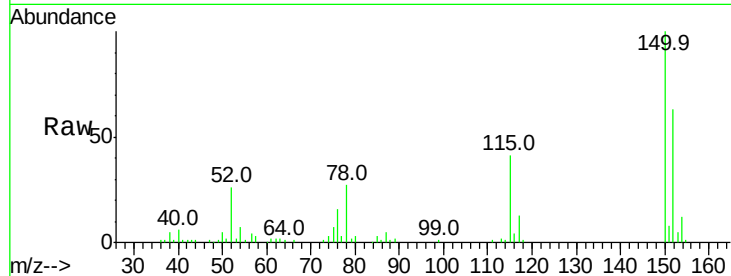


#1

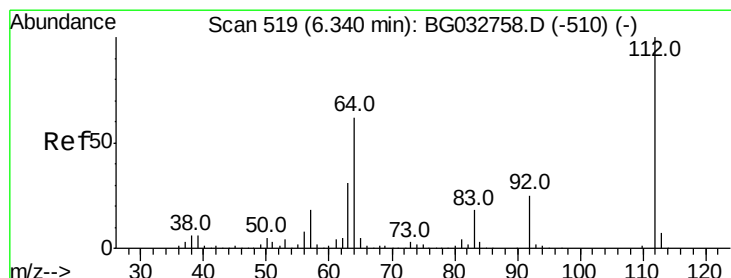
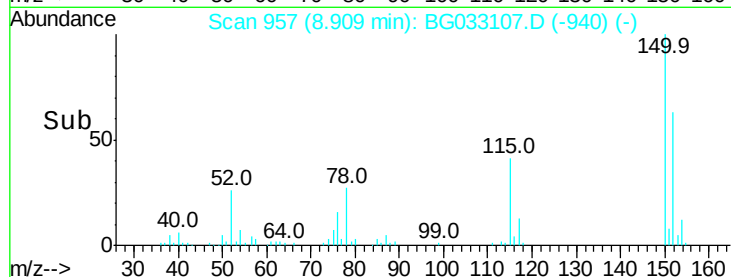
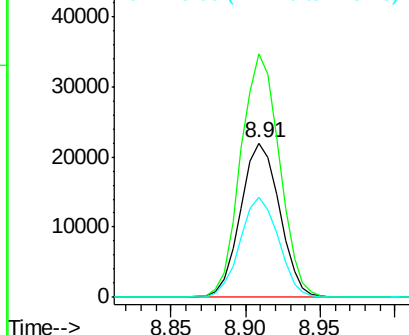
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033107.D
Acq: 13 Mar 2018 2:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 39736
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 64.9 53.0 79.4



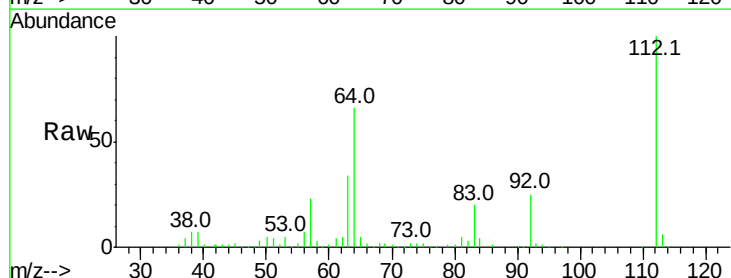
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



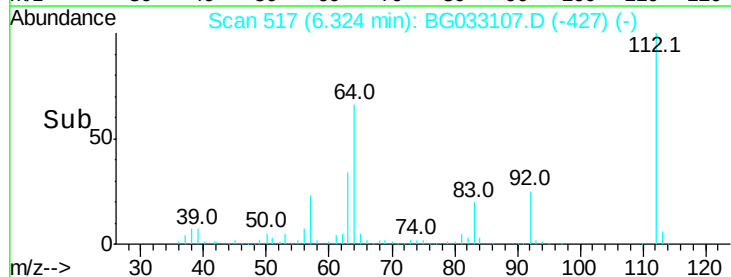
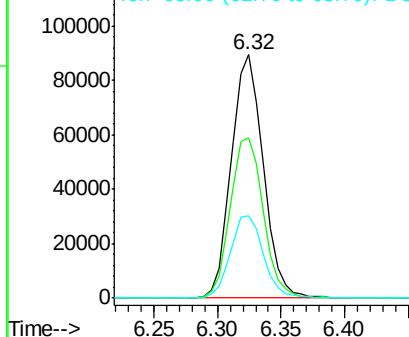
#5

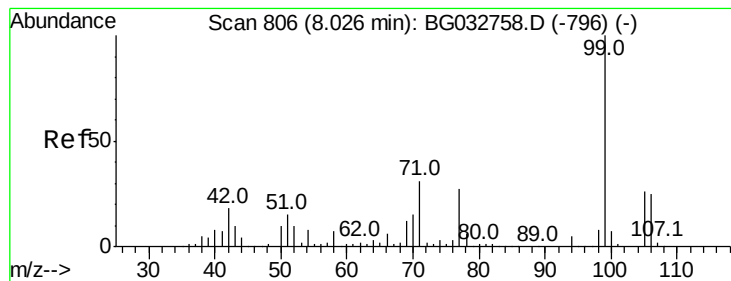
2-Fluorophenol
Concen: 62.766 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033107.D
Acq: 13 Mar 2018 2:52

Tgt Ion:112 Resp: 155894
Ion Ratio Lower Upper
112 100
64 66.1 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 37.586 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampleId :

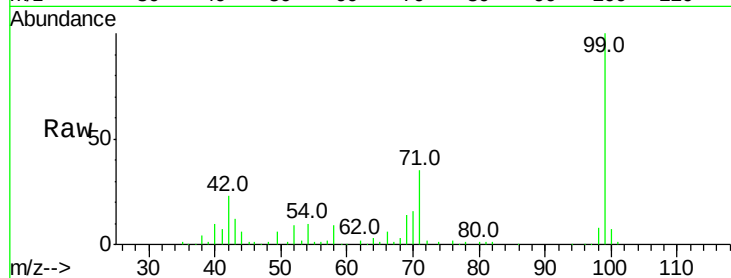
Tot Ion: 99 Resp: 130122

Ion Ratio Lower Upper

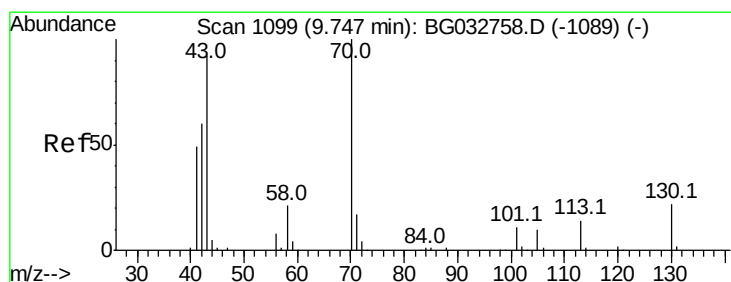
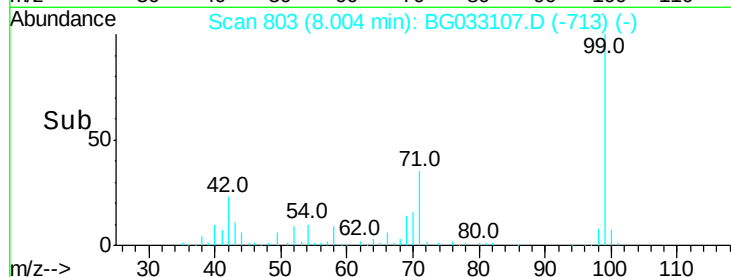
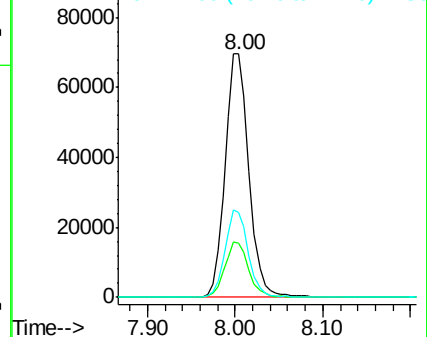
99 100

42 22.5 14.1 21.1#

71 34.8 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: 16.520 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Tgt Ion: 70 Resp: 40375

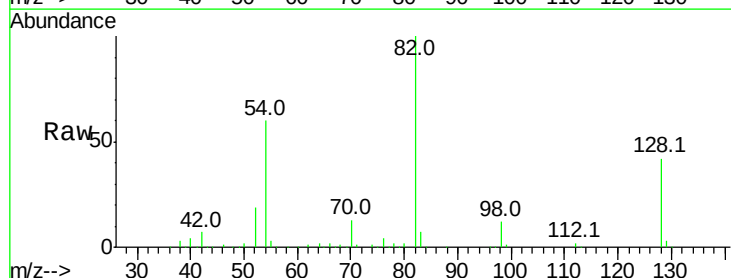
Ion Ratio Lower Upper

70 100

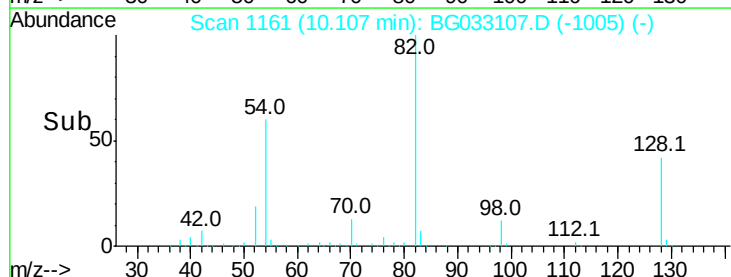
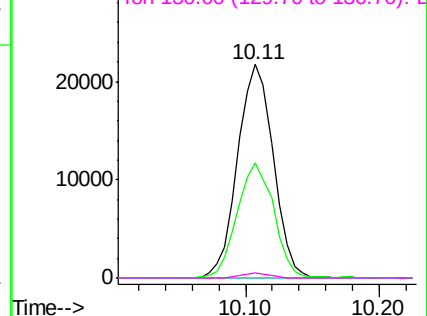
42 54.0 49.1 73.7

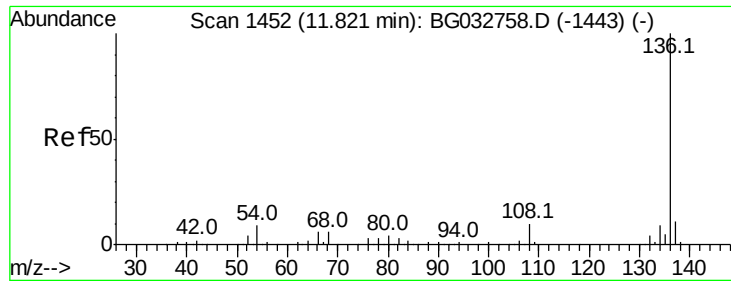
101 0.0 8.5 12.7#

130 2.1 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

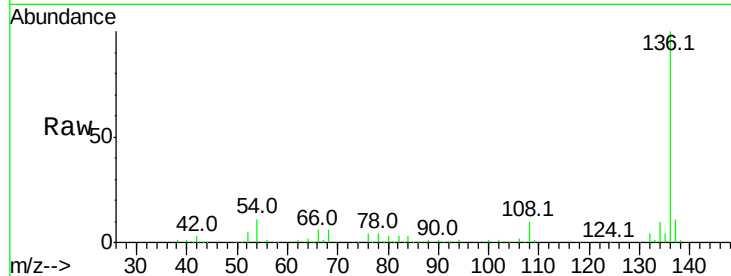




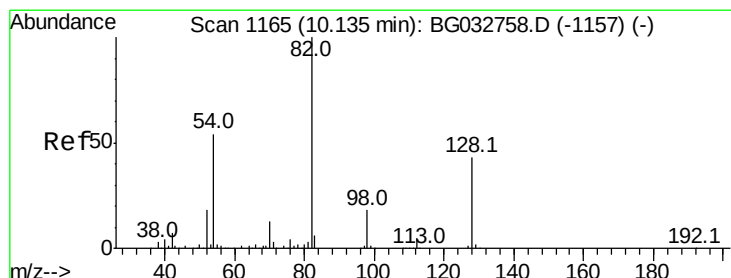
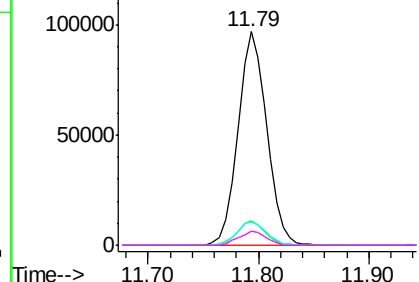
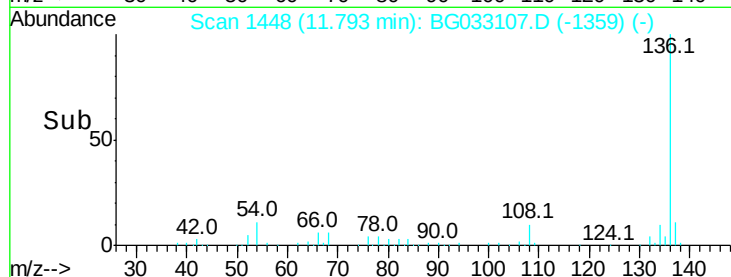
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033107.D
Acq: 13 Mar 2018 2:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	176311
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	10.8	10.3 15.5
68	6.4	4.5 6.7

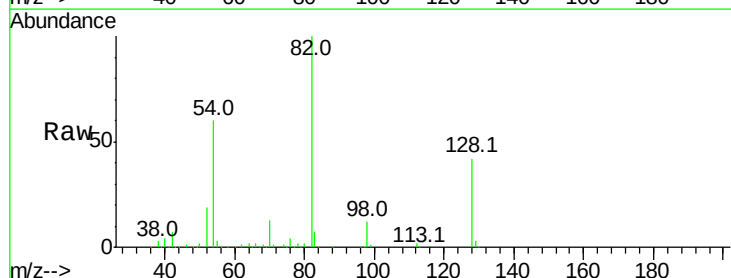


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

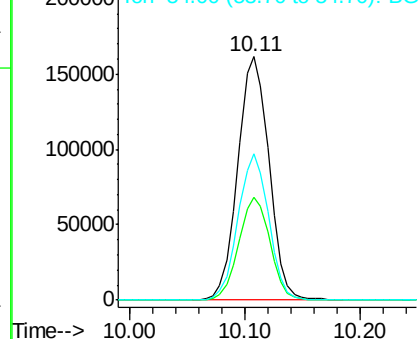
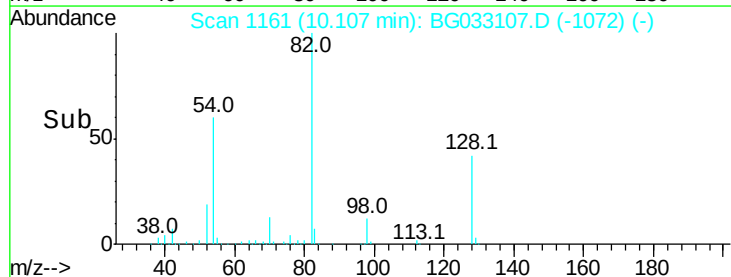


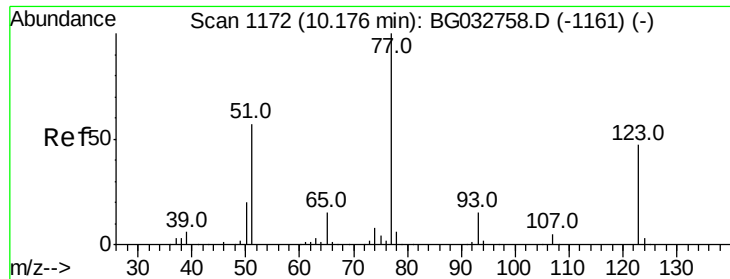
#23
Nitrobenzene-d5
Concen: 115.241 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033107.D
Acq: 13 Mar 2018 2:52

Tgt Ion: 82	Resp:	302935
Ion Ratio	Lower	Upper
82	100	
128	42.3	29.7 44.5
54	60.3	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

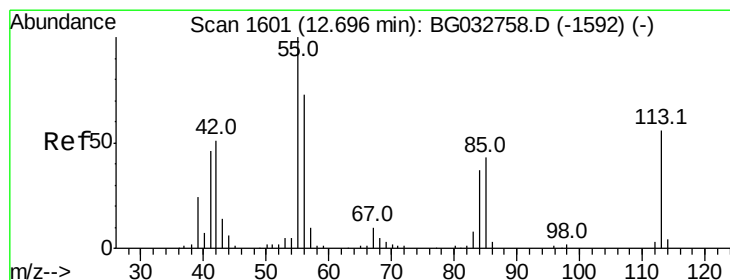
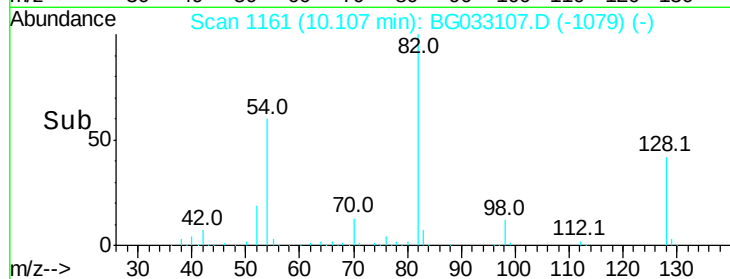
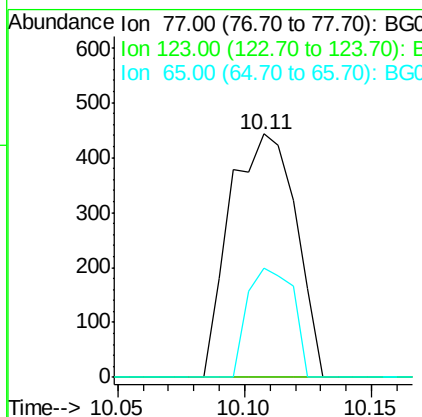
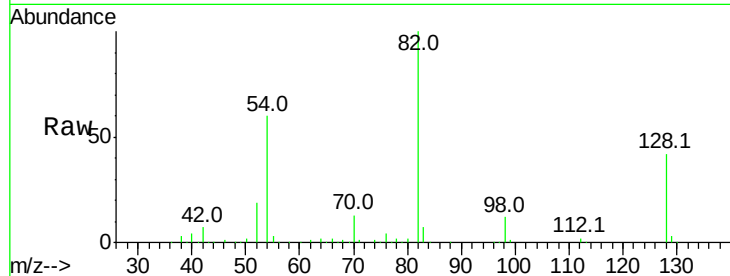




#24
 Nitrobenzene
 Concen: 6.628 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

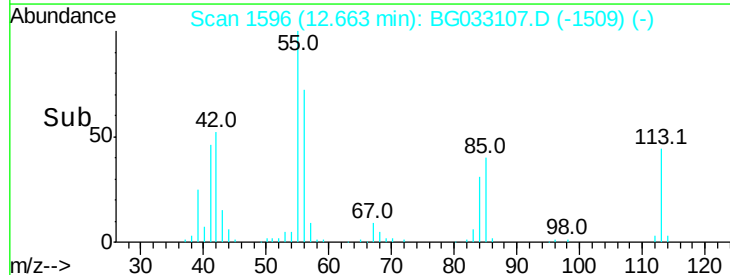
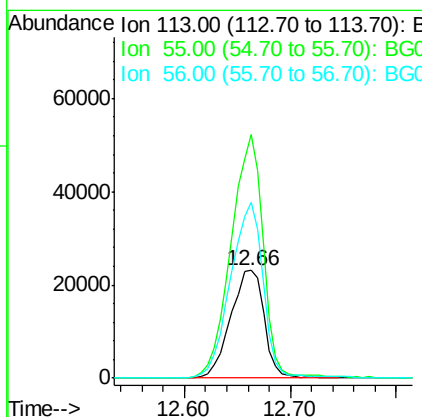
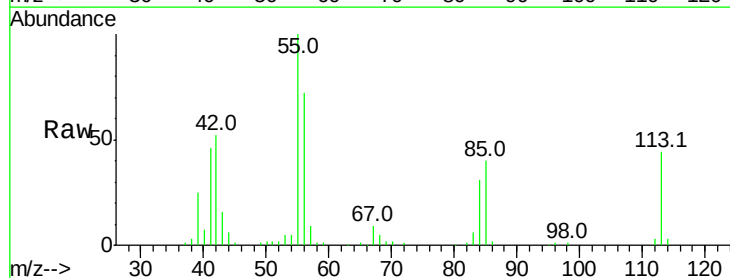
Instrument :
 BNA_G
 ClientSampled :

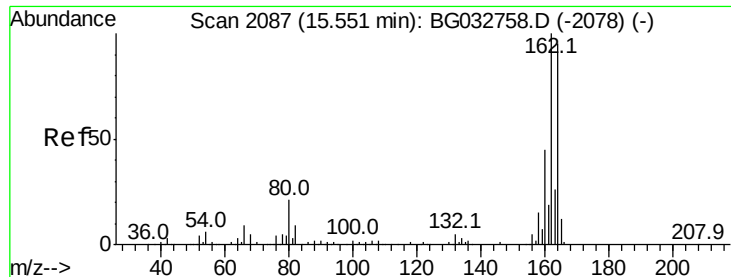
Tot Ion: 77 Resp: 804
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 44.9 13.0 19.6#



#35
 Caprolactam
 Concen: 51.835 ng
 RT: 12.66 min Scan# 1596
 Delta R.T. -0.02 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

Tgt Ion: 113 Resp: 50641
 Ion Ratio Lower Upper
 113 100
 55 226.7 186.9 226.9
 56 164.1 130.9 170.9





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampled :

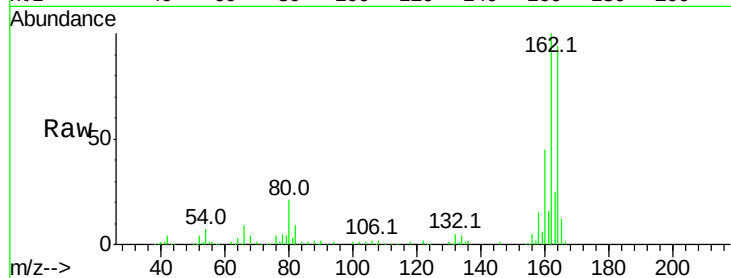
Tot Ion:164 Resp: 103039

Ion Ratio Lower Upper

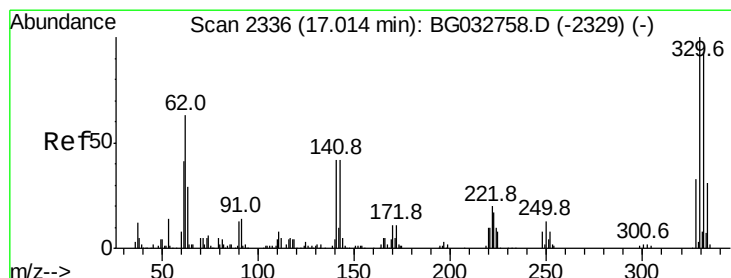
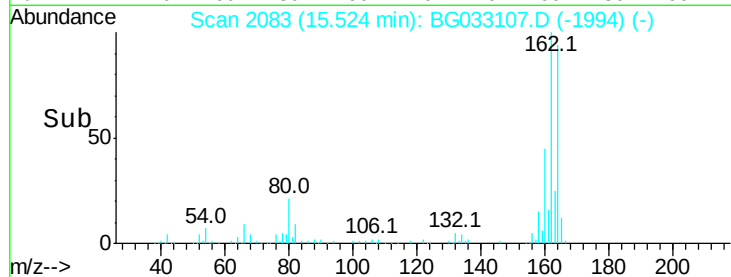
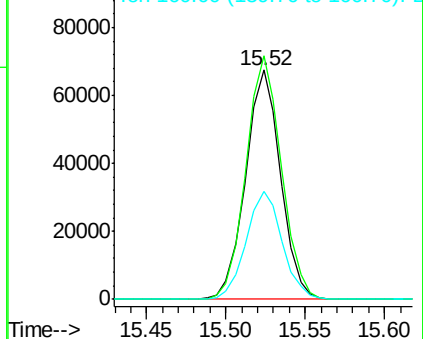
164 100

162 106.1 78.8 118.2

160 47.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 179.332 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

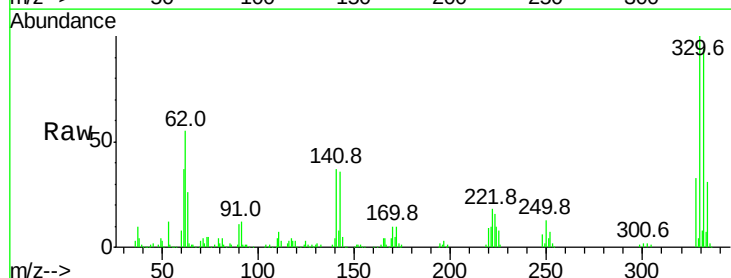
Tgt Ion:330 Resp: 194292

Ion Ratio Lower Upper

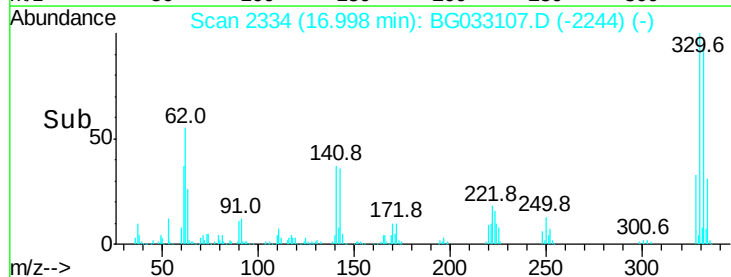
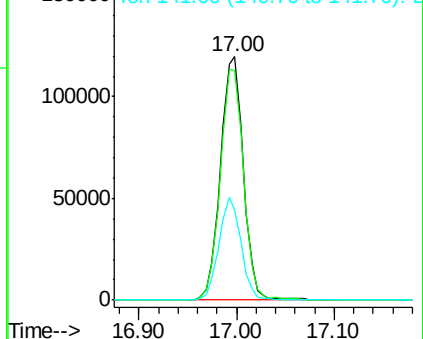
330 100

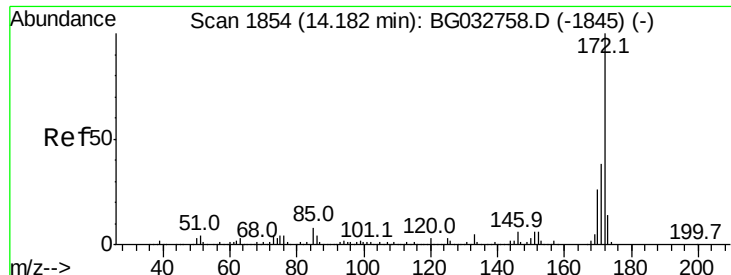
332 96.4 77.0 115.6

141 40.8 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

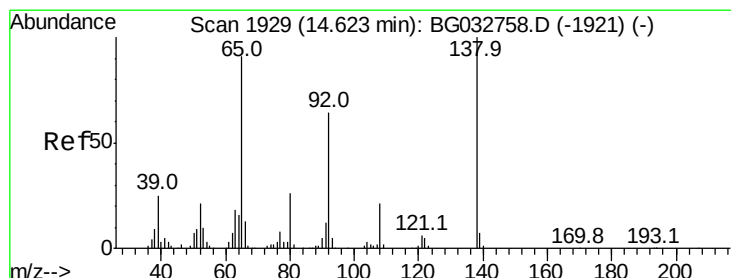
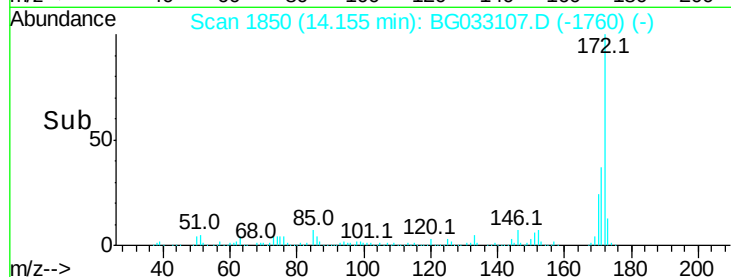
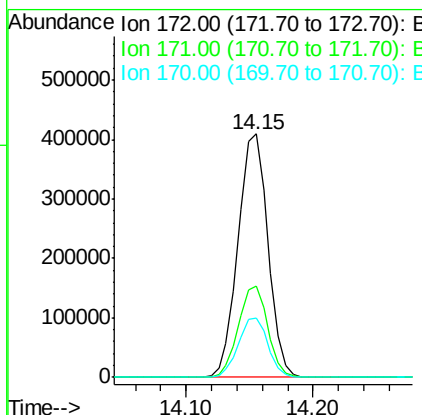
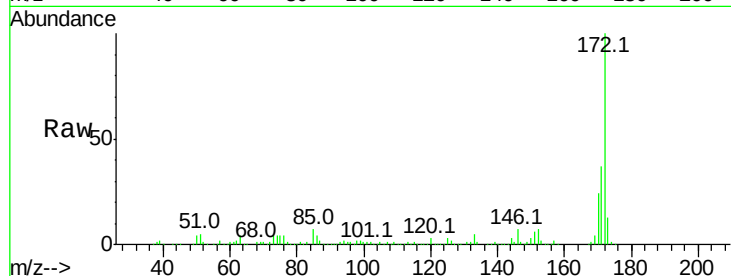




#44
 2-Fluorobiphenyl
 Concen: 93.571 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

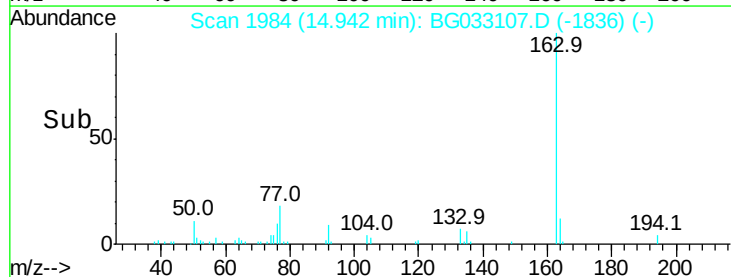
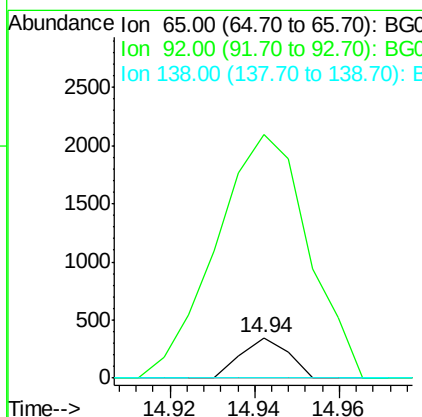
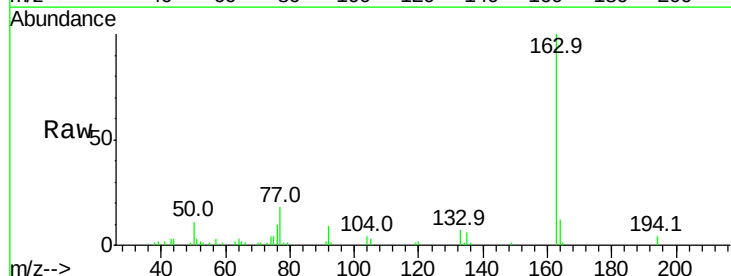
Instrument :
 BNA_G
 ClientSampleId :

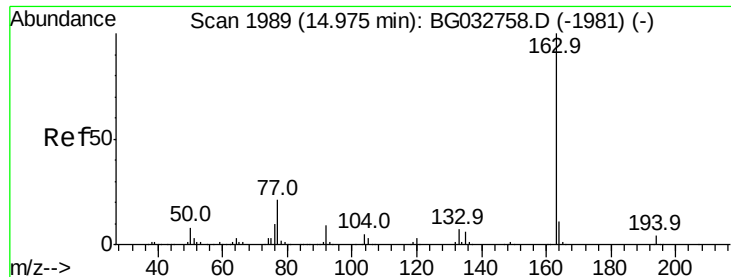
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.4	19.5	29.3



#47
 2-Nitroaniline
 Concen: 9.962 ng
 RT: 14.94 min Scan# 1984
 Delta R.T. 0.34 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	598.6	54.6	82.0#
138	0.0	72.9	109.3#





#49

Dimethylphthalate

Concen: 3.835 ng

RT: 14.94 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampleId :

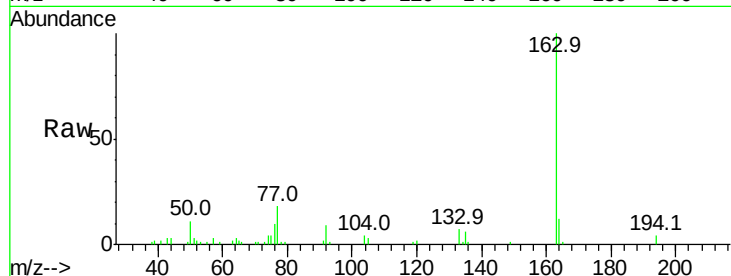
Tot Ion:163 Resp: 33548

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

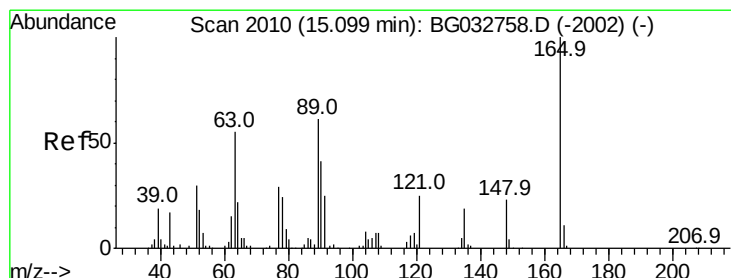
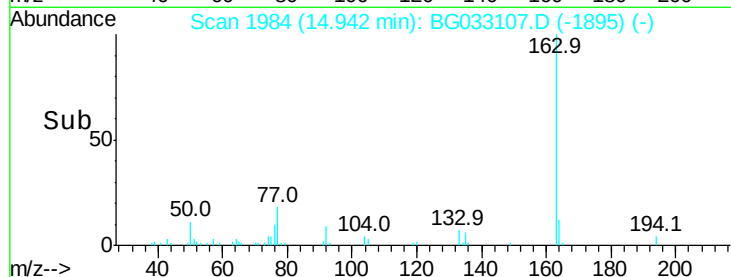
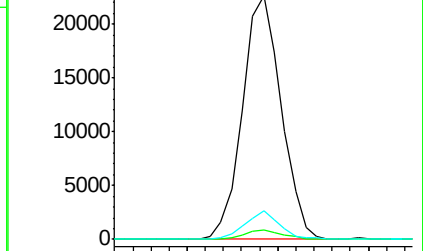
164 11.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 16.631 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

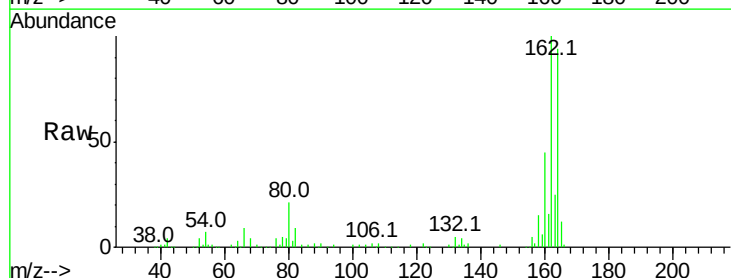
Tgt Ion:165 Resp: 13747

Ion Ratio Lower Upper

165 100

63 2.7 52.7 79.1#

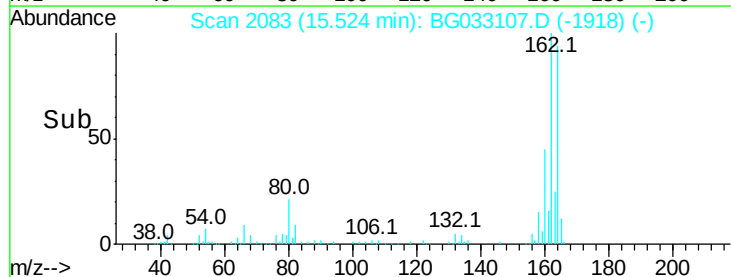
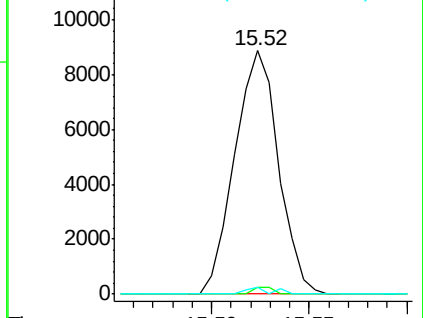
89 3.0 49.2 73.8#

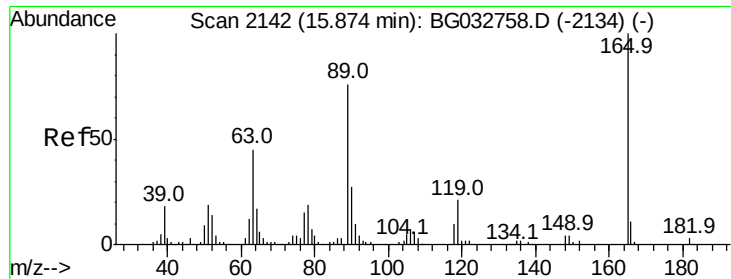


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

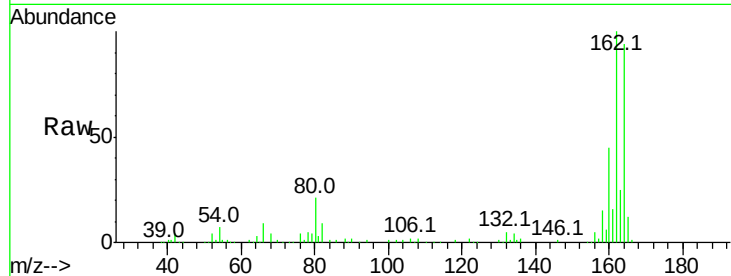




#56
 2,4-Dinitrotoluene
 Concen: 14.831 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.34 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	13747
Ion	Ratio	Lower	Upper
165	100		
63	2.7	42.0	63.0#
89	3.0	66.9	100.3#
182	0.0	2.6	3.8#

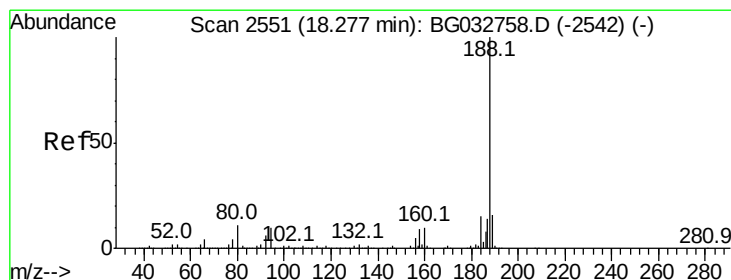
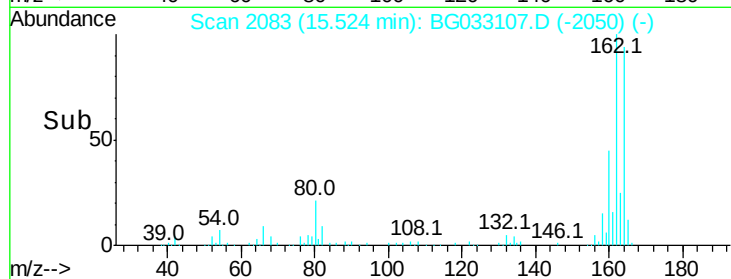
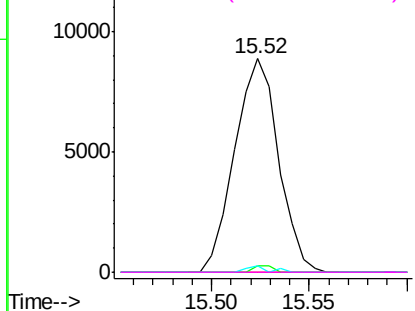


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

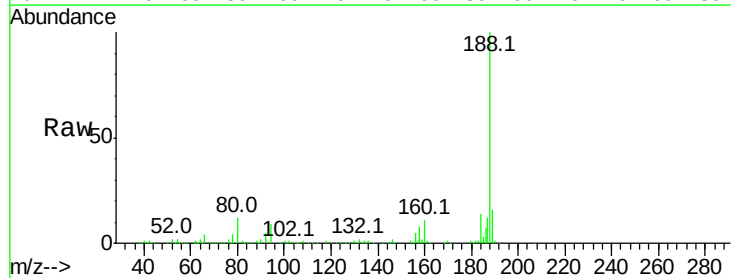
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033107.D
 Acq: 13 Mar 2018 2:52

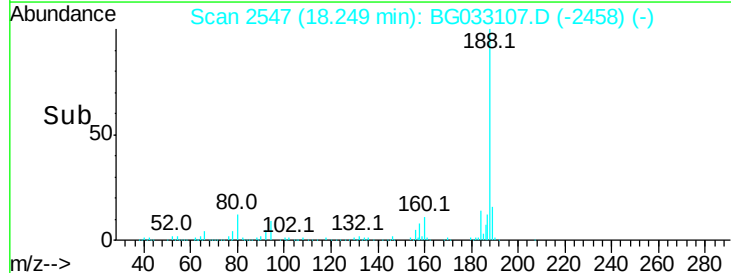
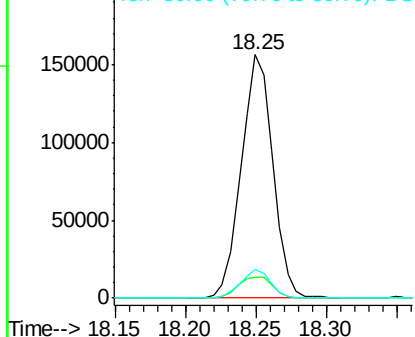
Tgt Ion:	188	Resp:	244399
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	11.7	7.7	11.5#

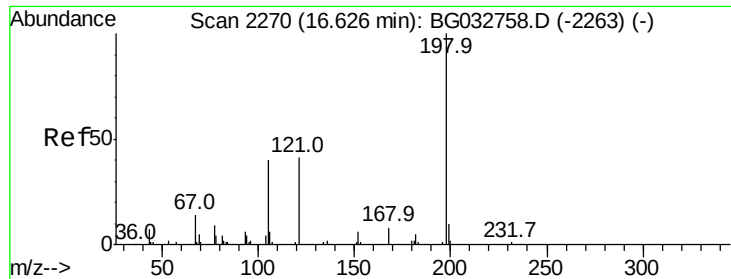


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.677 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampleId :

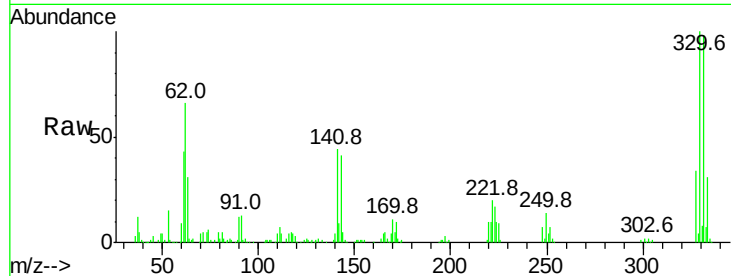
Tot Ion:198 Resp: 419

Ion Ratio Lower Upper

198 100

51 204.0 30.6 70.6#

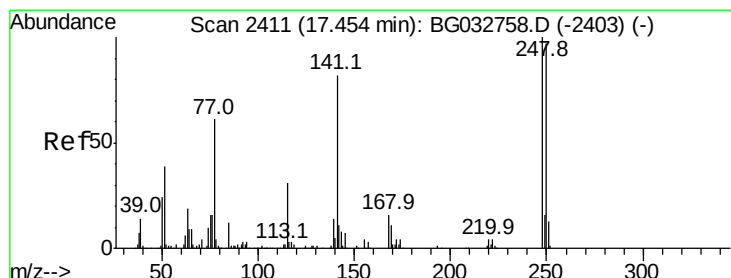
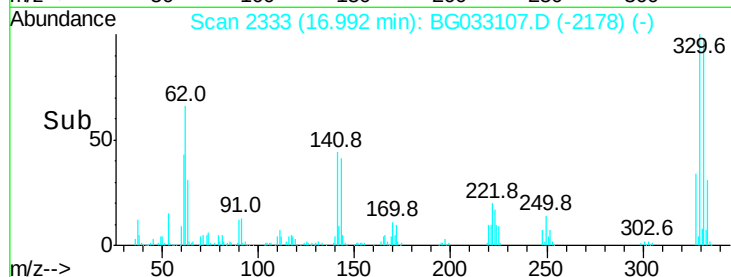
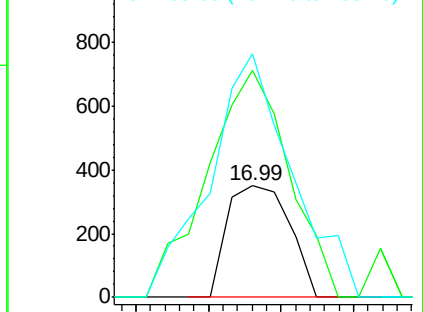
105 218.9 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.190 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

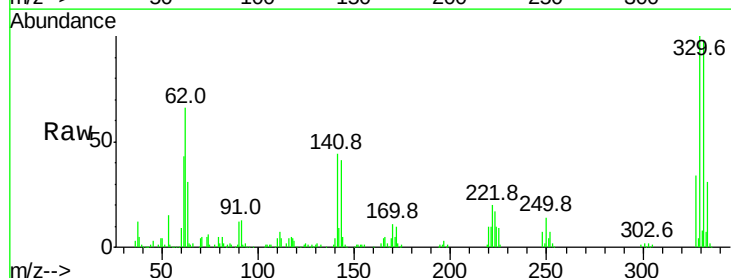
Tgt Ion:248 Resp: 13413

Ion Ratio Lower Upper

248 100

250 206.7 77.1 115.7#

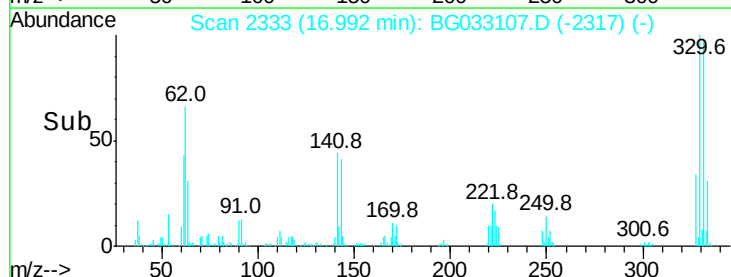
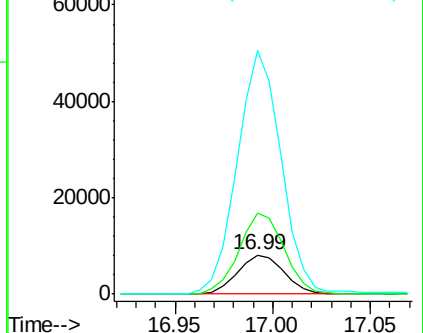
141 622.7 50.8 76.2#

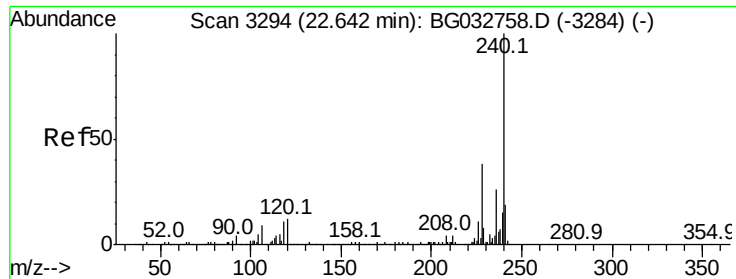


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampleId :

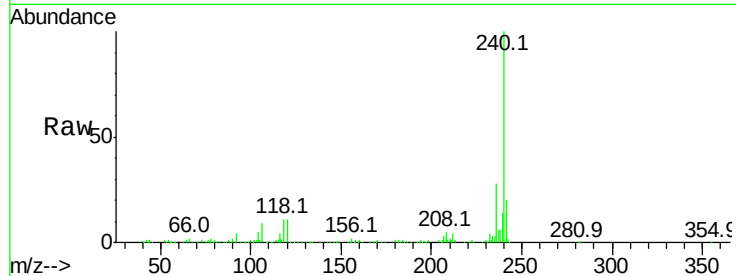
Tot Ion:240 Resp: 231675

Ion Ratio Lower Upper

240 100

120 11.4 6.8 10.2#

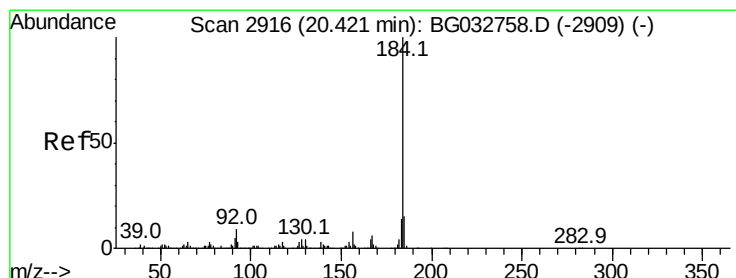
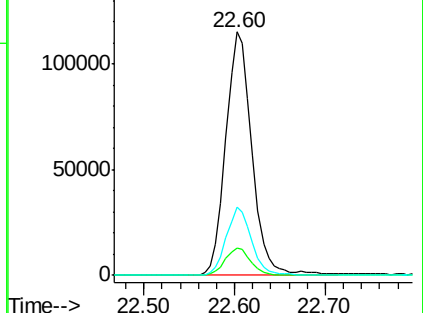
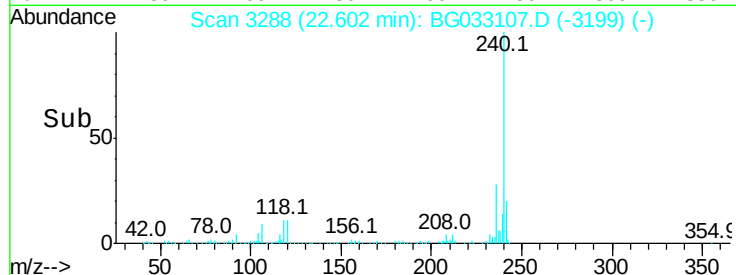
236 28.1 20.9 31.3



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: 2.185 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

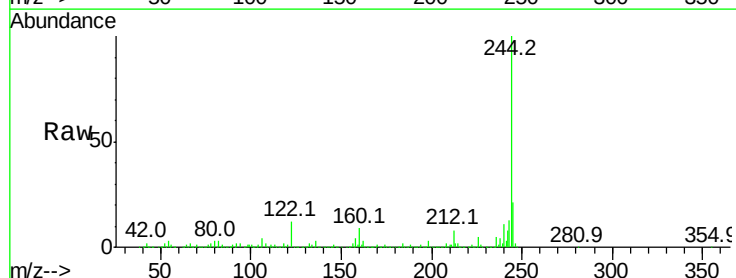
Tgt Ion:184 Resp: 17253

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

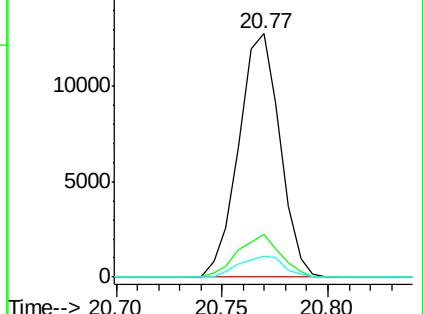
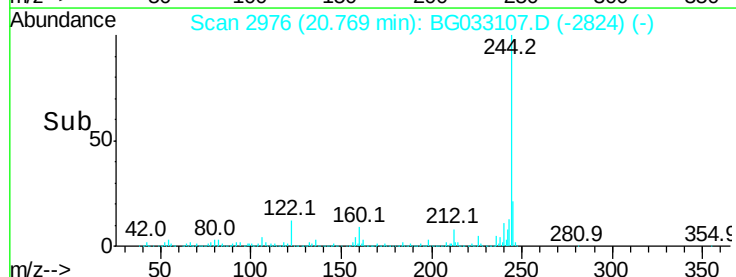
183 8.8 10.6 16.0#

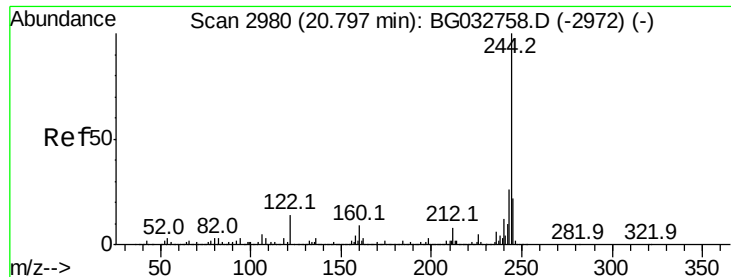


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.500 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

Instrument :

BNA_G

ClientSampleId :

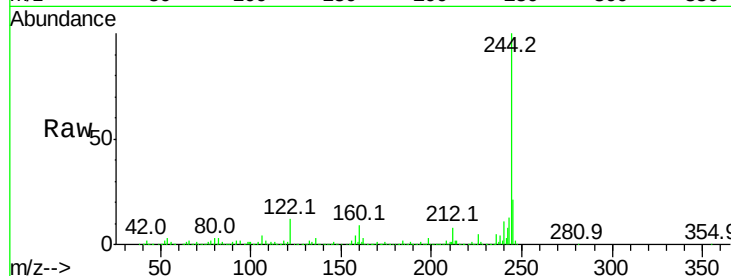
Tot Ion:244 Resp: 1026007

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

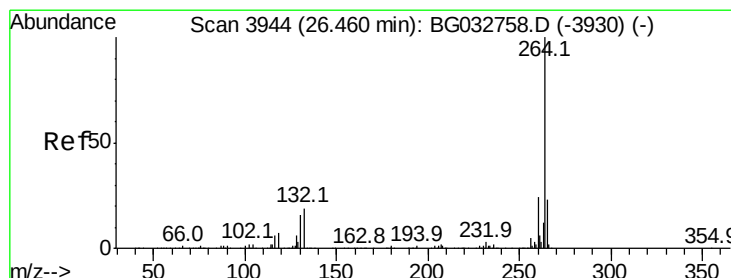
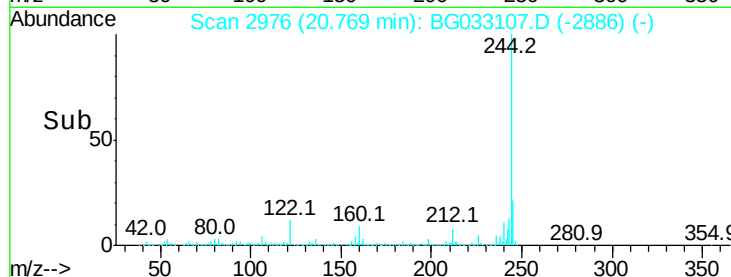
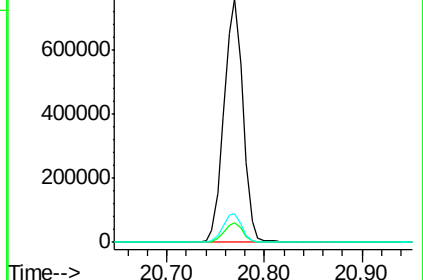
122 11.8 7.0 10.4#



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: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033107.D

Acq: 13 Mar 2018 2:52

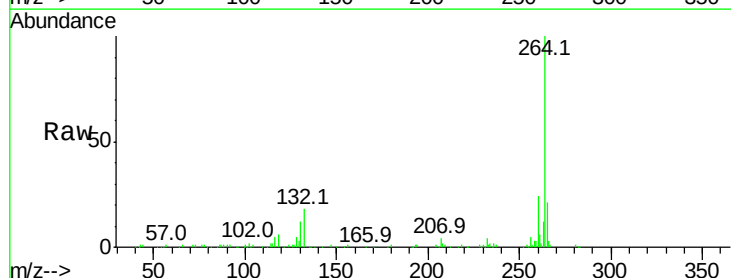
Tgt Ion:264 Resp: 240015

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.2 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

