

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033060.D
 Acq On : 9 Mar 2018 4:10
 Operator : SJ/JU
 Sample : J1823-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 05:34:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	56592	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	245967	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	135892	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	304522	20.00	ng	0.00
75) Chrysene-d12	22.61	240	277441	20.00	ng	0.00
86) Perylene-d12	26.42	264	258743	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	439142	124.15	ng	0.00
7) Phenol-d6	8.00	99	514490	104.35	ng	0.00
23) Nitrobenzene-d5	10.11	82	408372	111.69	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	218805	153.13	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	862925	91.58	ng	0.00
78) Terphenyl-d14	20.77	244	1258781	101.94	ng	0.00

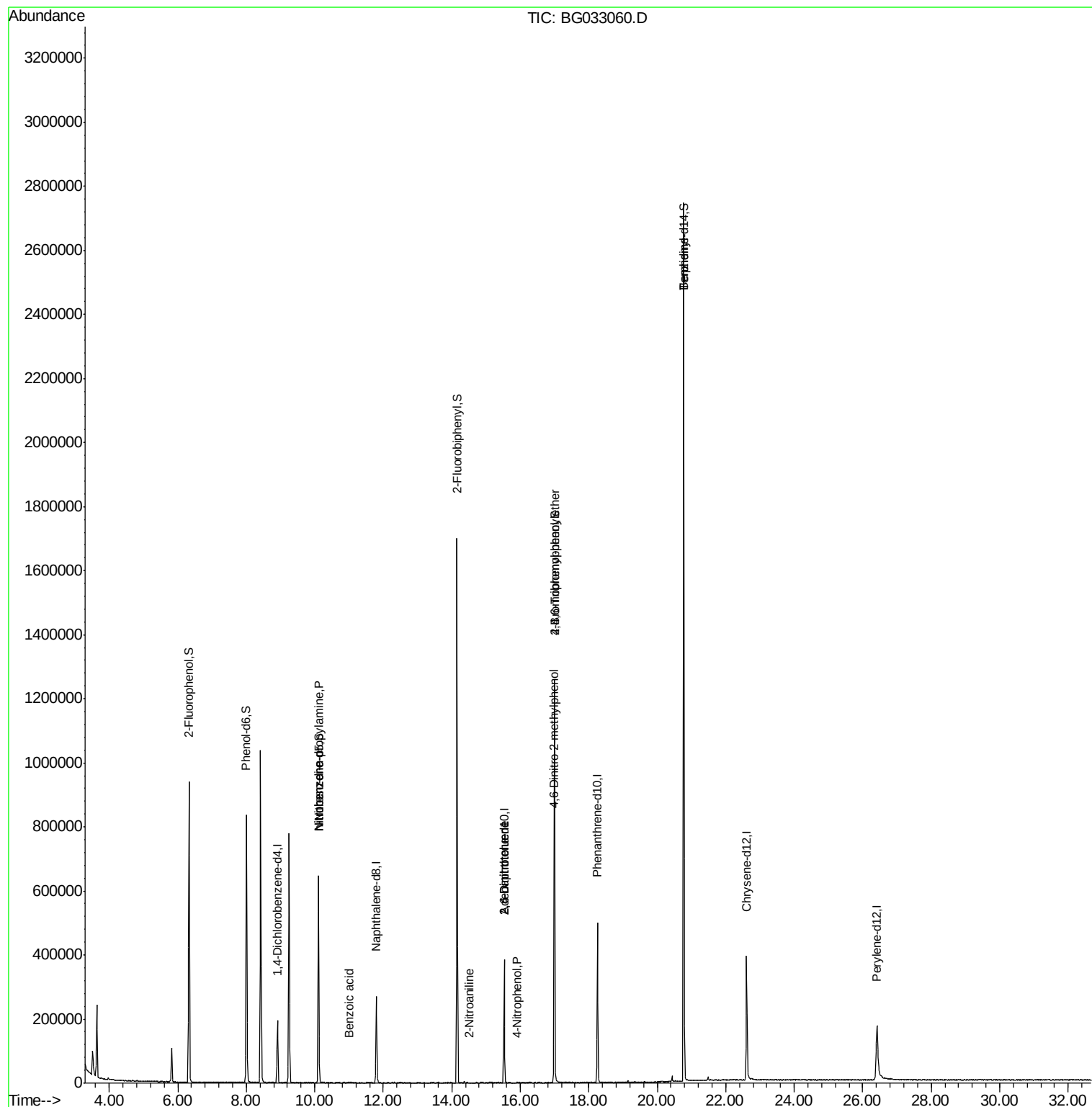
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	54657	15.702	ng	# 83
24) Nitrobenzene	10.11	77	1259	6.659	ng	# 44
32) Benzoic acid	11.02	122	180	5.909	ng	# 79
47) 2-Nitroaniline	14.51	65	56	9.856	ng	# 9
50) 2,6-Dinitrotoluene	15.52	165	16752	16.044	ng	# 18
55) 4-Nitrophenol	15.92	139	444	7.295	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	16752	14.239	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	270	5.326	ng	# 51
66) 4-Bromophenyl-phenylether	17.00	248	15585	4.840	ng	# 1
76) Benzidine	20.77	184	21915	2.317	ng	# 91

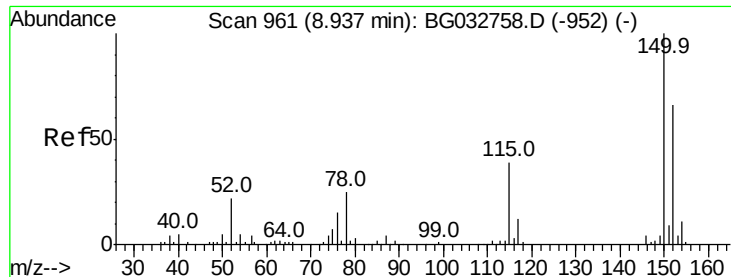
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
Data File : BG033060.D
Acq On : 9 Mar 2018 4:10
Operator : SJ/JU
Sample : J1823-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 09 05:34:13 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration



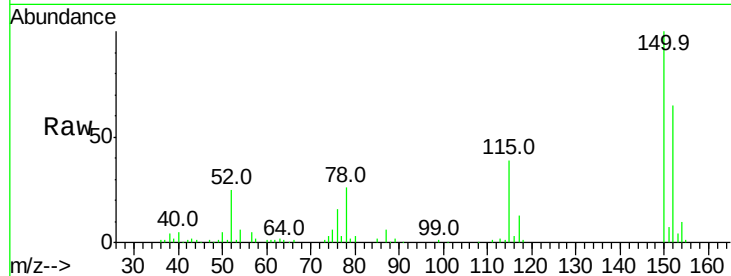


#1

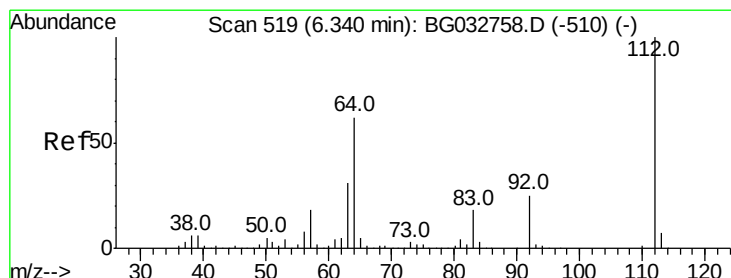
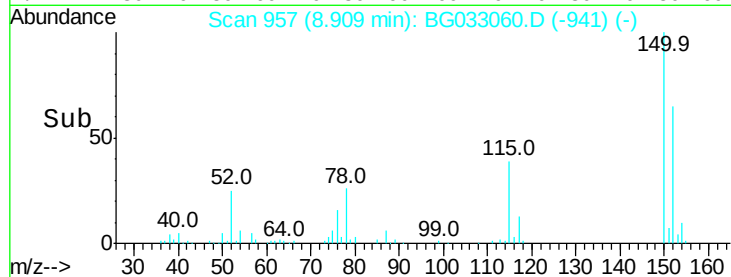
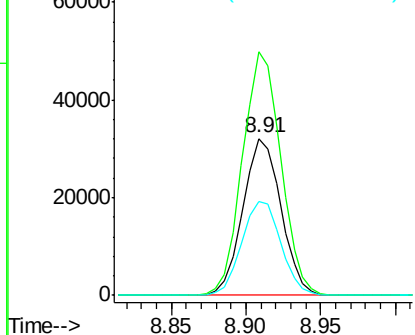
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56592
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 60.1 53.0 79.4



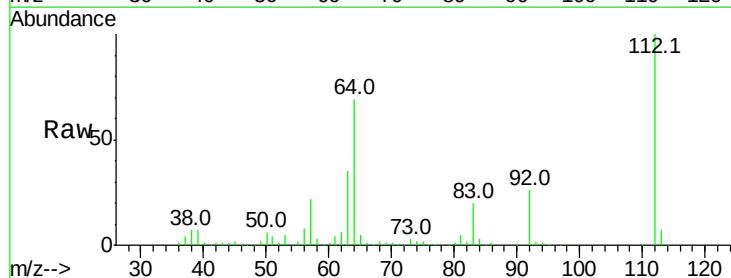
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



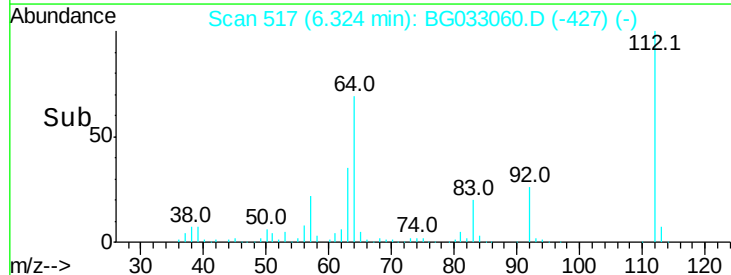
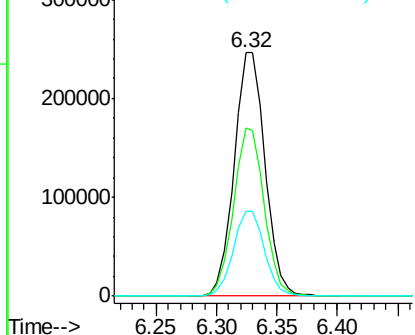
#5

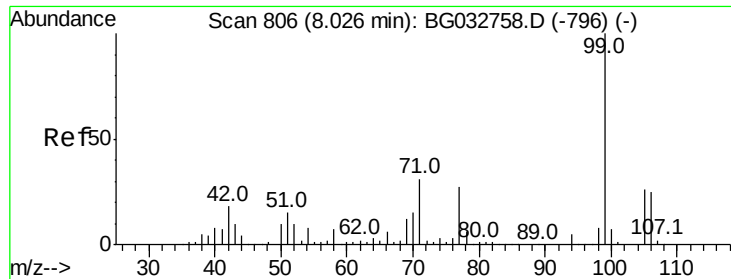
2-Fluorophenol
Concen: 124.145 ng
RT: 6.32 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Tgt Ion:112 Resp: 439142
Ion Ratio Lower Upper
112 100
64 69.3 56.3 84.5
63 35.1 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: 104.348 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Instrument :

BNA_G

ClientSampleId :

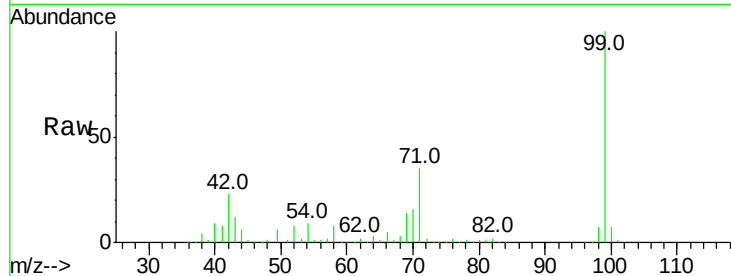
Tot Ion: 99 Resp: 514490

Ion Ratio Lower Upper

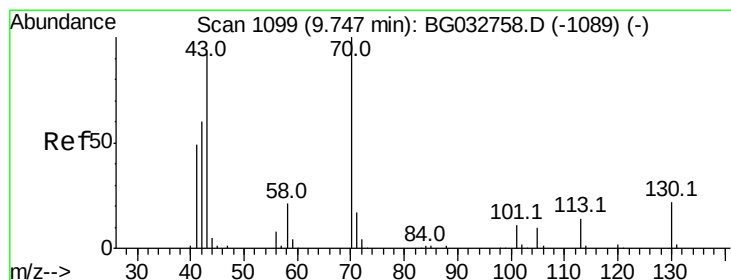
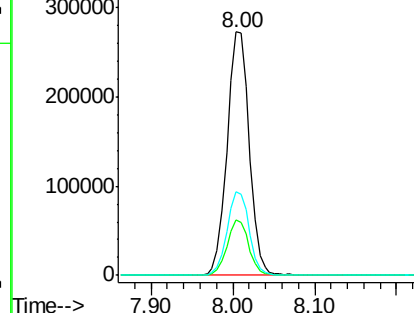
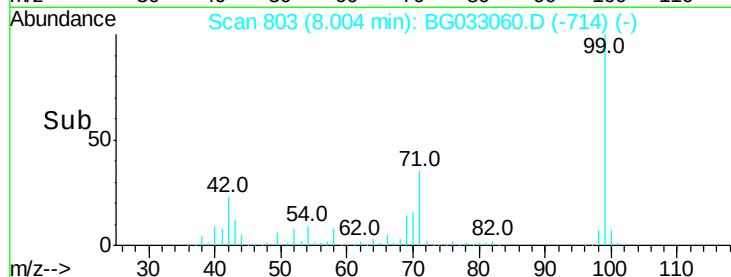
99 100

42 22.7 14.1 21.1#

71 34.5 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: 15.702 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Tgt Ion: 70 Resp: 54657

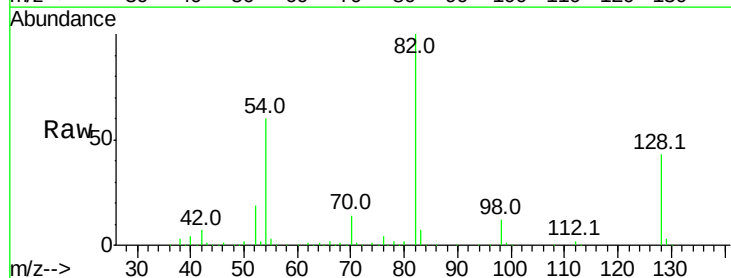
Ion Ratio Lower Upper

70 100

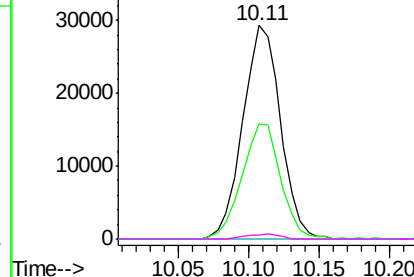
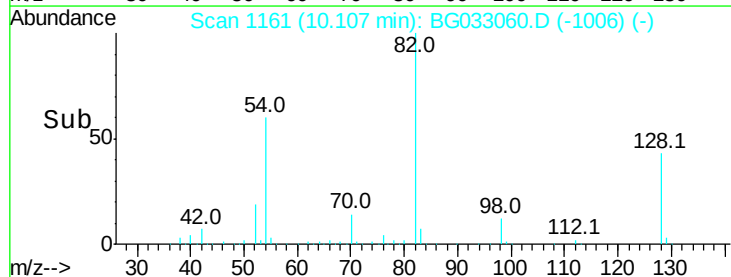
42 53.7 49.1 73.7

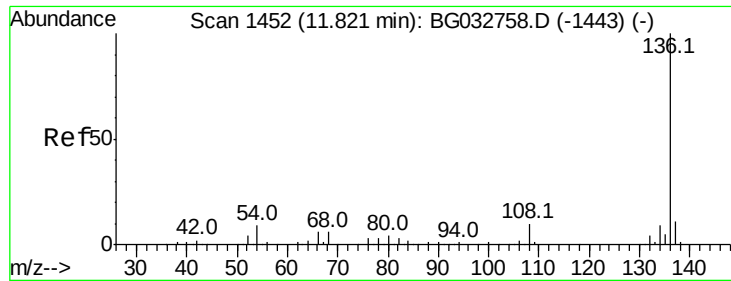
101 0.0 8.5 12.7#

130 2.0 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

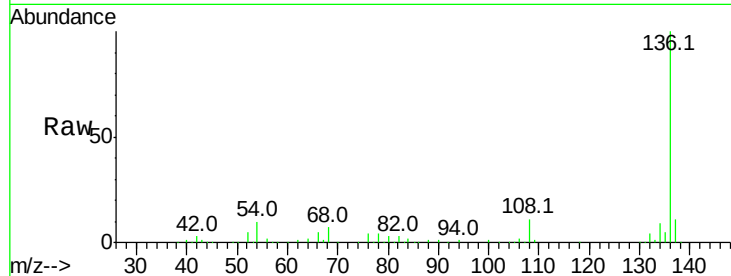




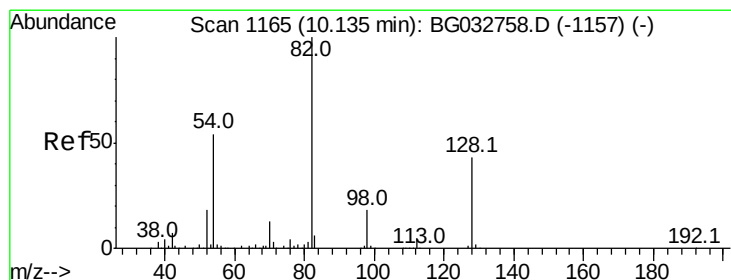
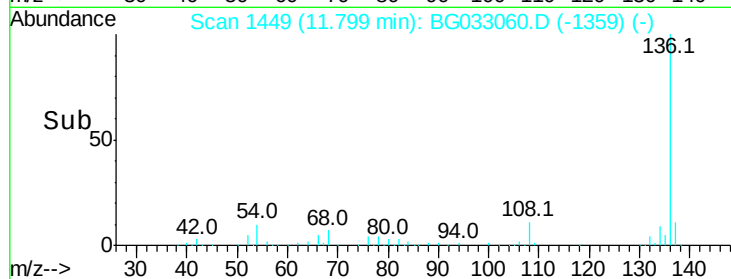
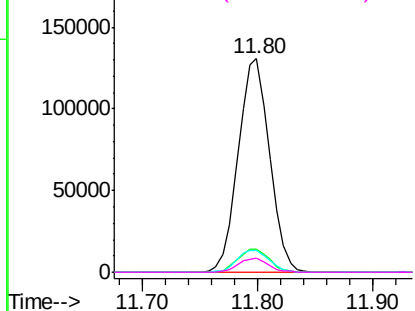
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	245967
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	10.1	10.3	15.5#
68	6.8	4.5	6.7#

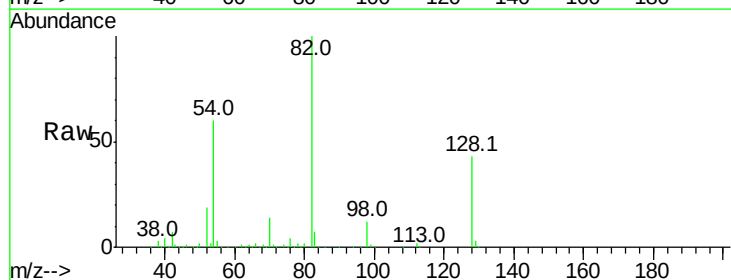


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

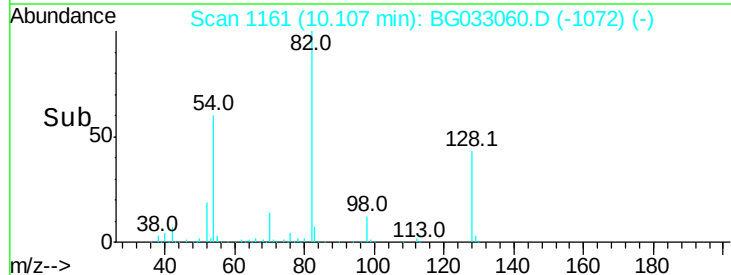
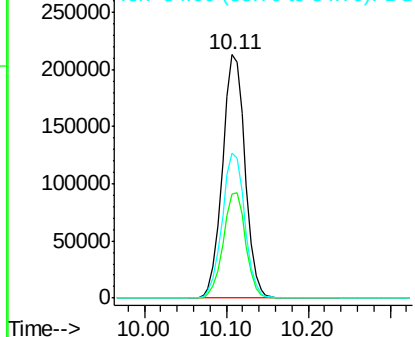


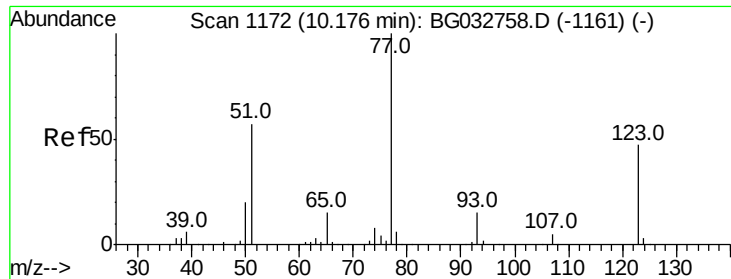
#23
Nitrobenzene-d5
Concen: 111.691 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Tgt Ion:	82	Resp:	408372
Ion	Ratio	Lower	Upper
82	100		
128	42.8	29.7	44.5
54	59.5	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.659 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Instrument :

BNA_G

ClientSampleId :

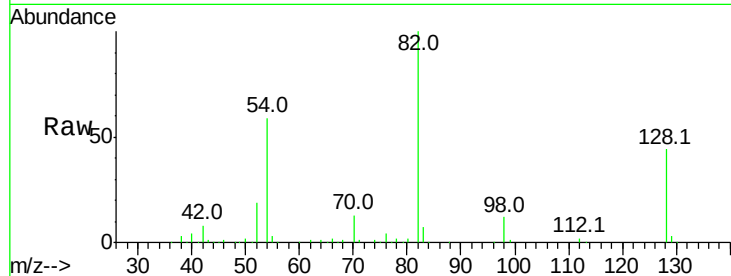
Tot Ion: 77 Resp: 1259

Ion Ratio Lower Upper

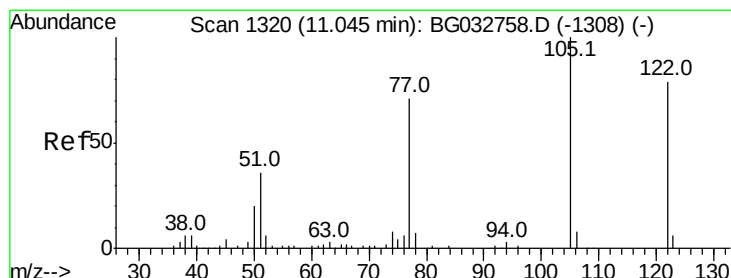
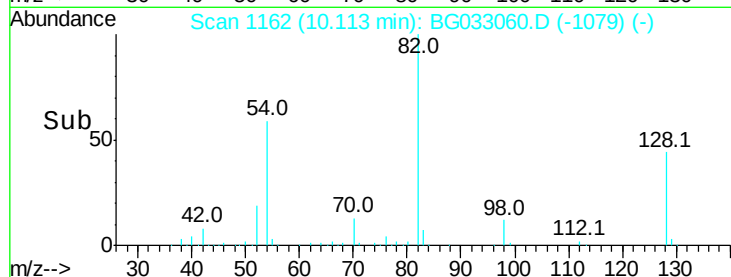
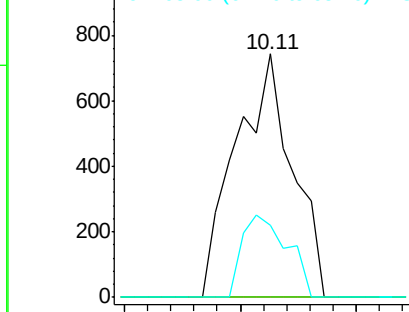
77 100

123 0.0 33.0 49.6#

65 29.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 5.909 ng

RT: 11.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

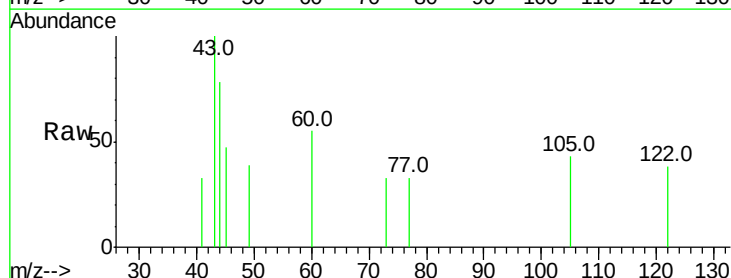
Tgt Ion: 122 Resp: 180

Ion Ratio Lower Upper

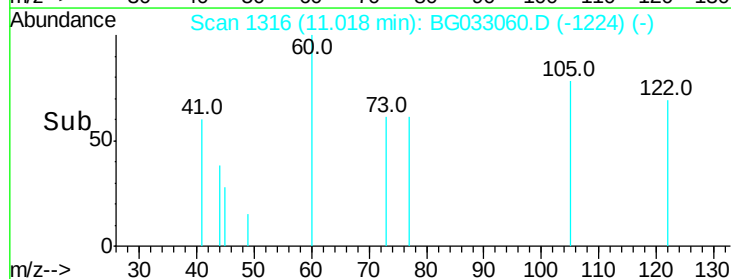
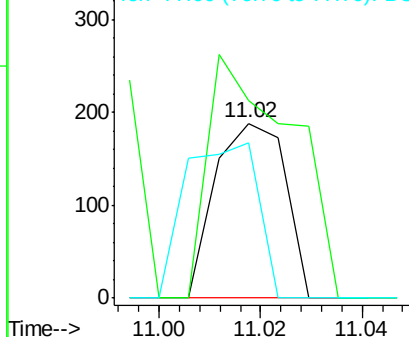
122 100

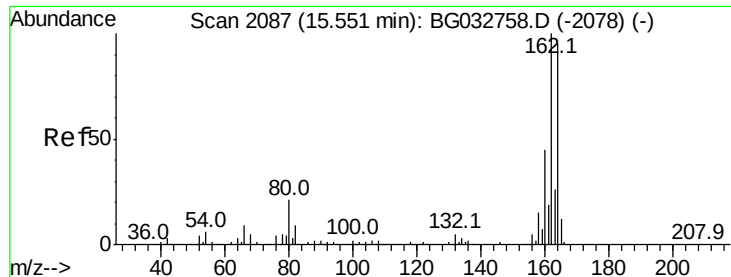
105 113.3 123.5 163.5#

77 88.8 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Instrument :

BNA_G

ClientSampleId :

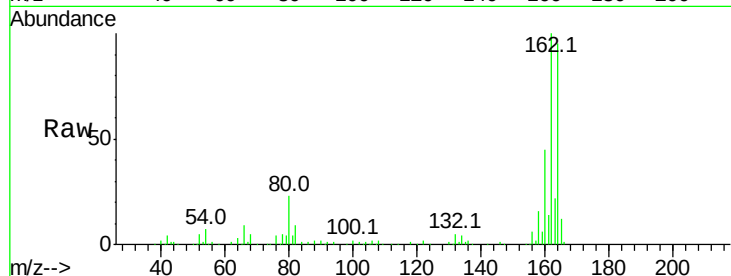
Tot Ion:164 Resp: 135892

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

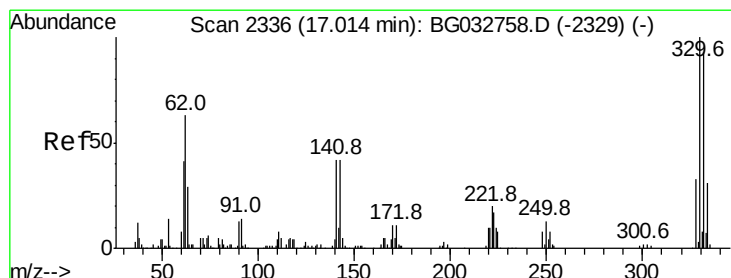
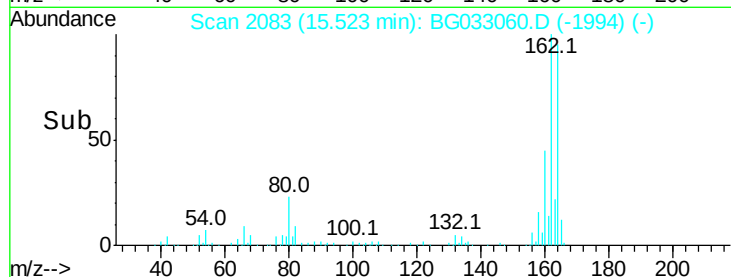
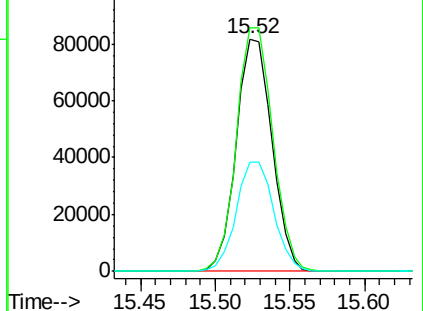
160 47.3 35.4 53.0



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: 153.133 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

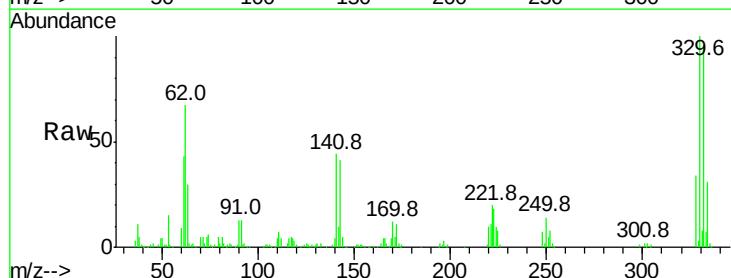
Tgt Ion:330 Resp: 218805

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

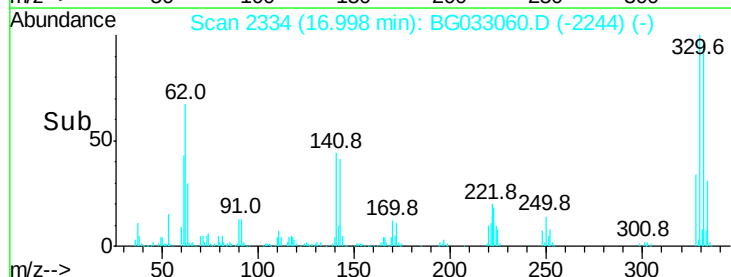
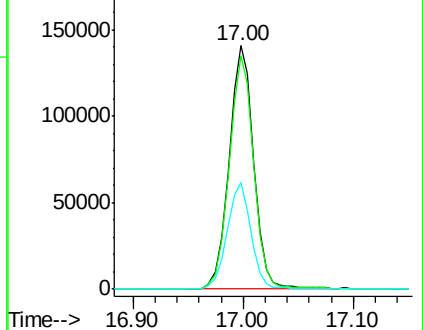
141 43.0 25.2 37.8#

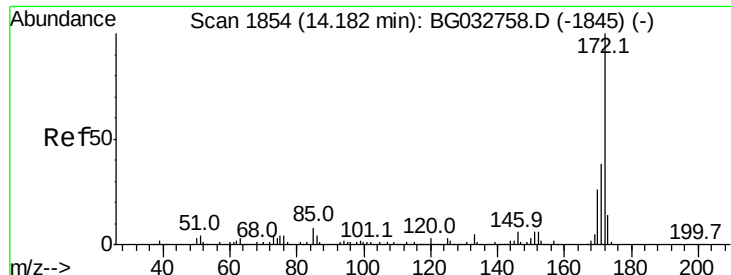


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

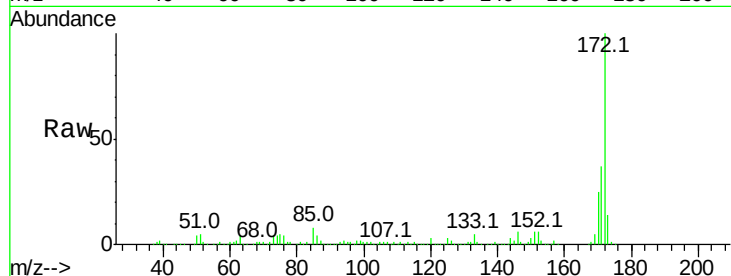




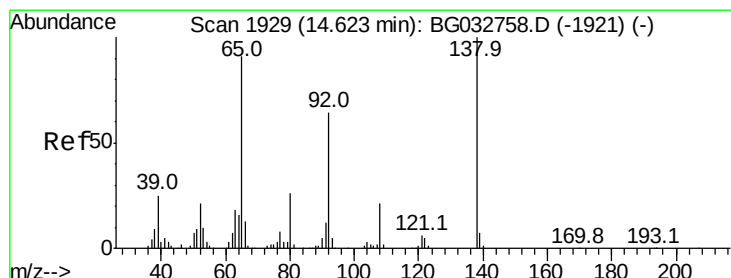
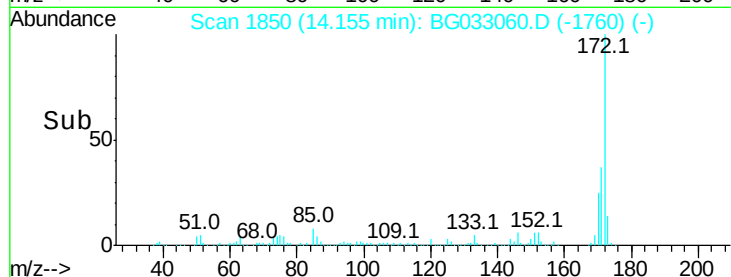
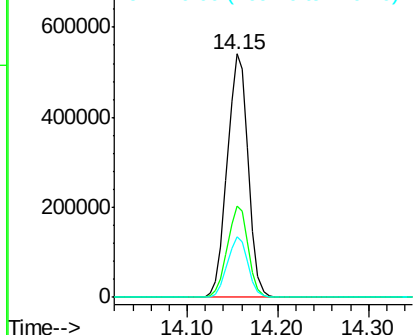
#44
2-Fluorobiphenyl
Concen: 91.584 ng
RT: 14.15 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 862925
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 24.8 19.5 29.3

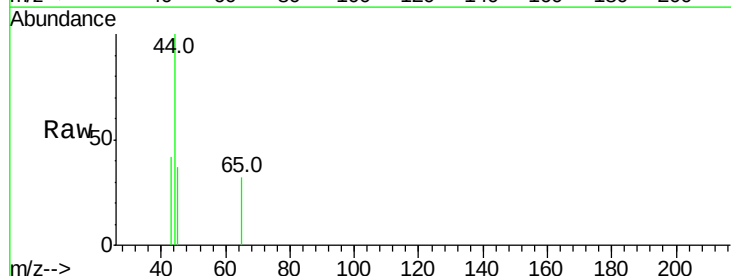


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

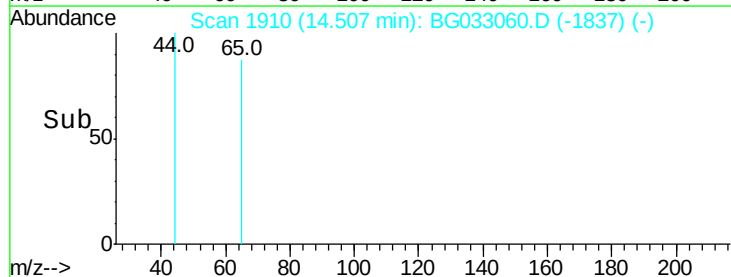
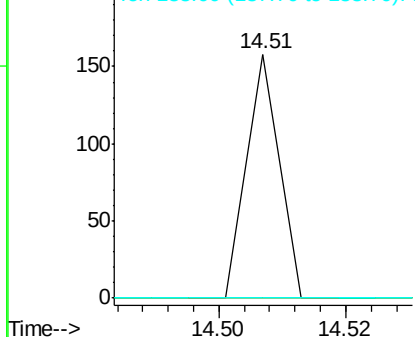


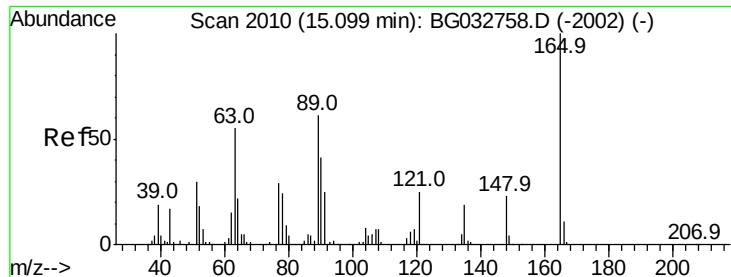
#47
2-Nitroaniline
Concen: 9.856 ng
RT: 14.51 min Scan# 1910
Delta R.T. -0.10 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

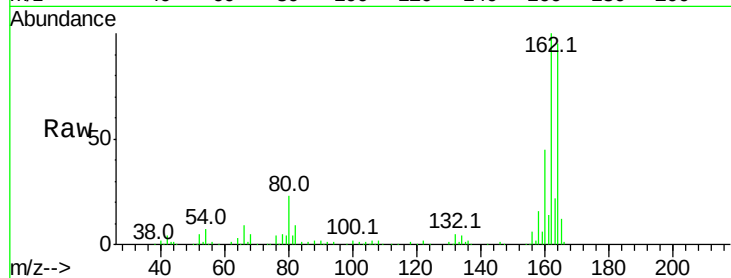




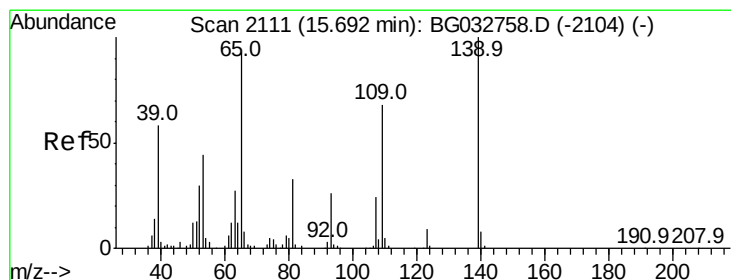
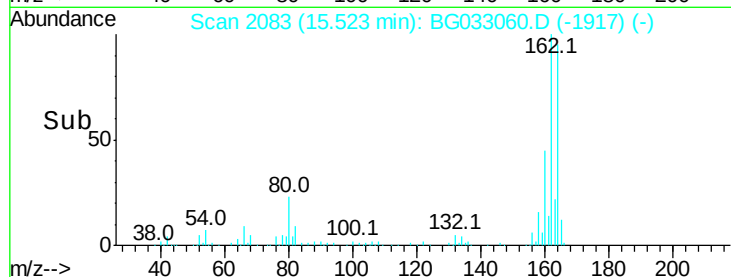
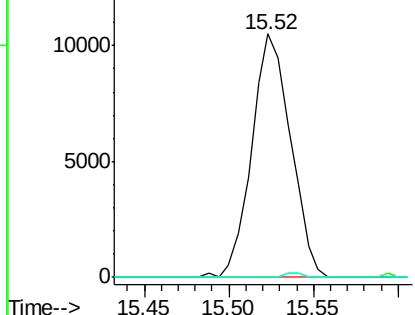
#50
2,6-Dinitrotoluene
Concen: 16.044 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16752
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

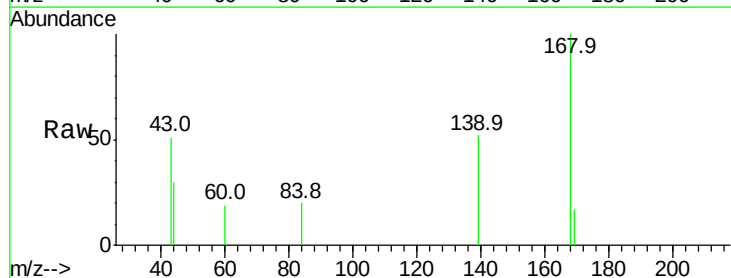


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

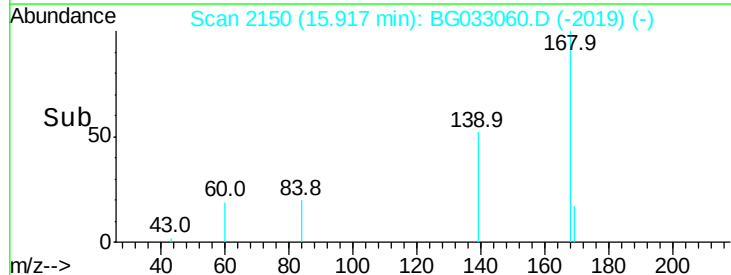
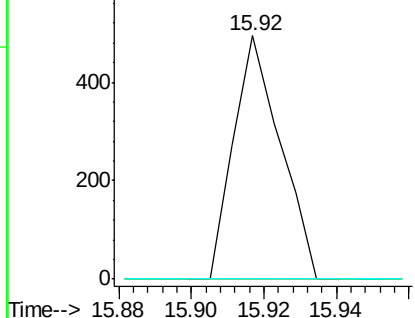


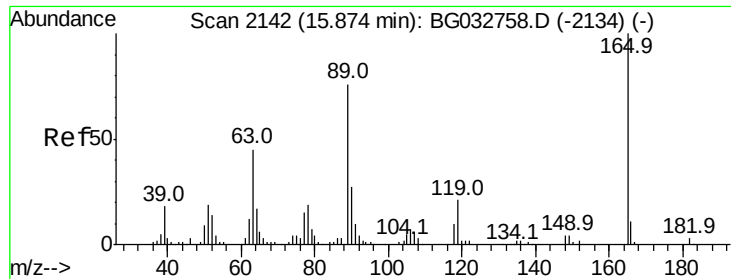
#55
4-Nitrophenol
Concen: 7.295 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG033060.D
Acq: 9 Mar 2018 4:10

Tgt Ion:139 Resp: 444
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

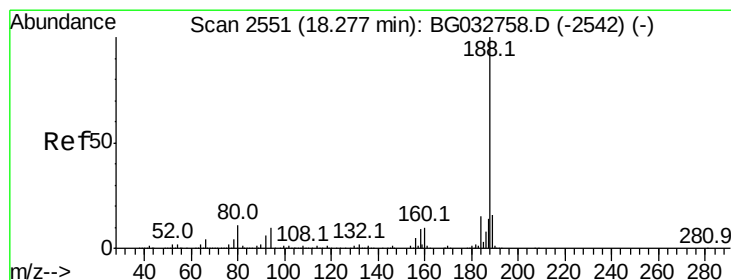
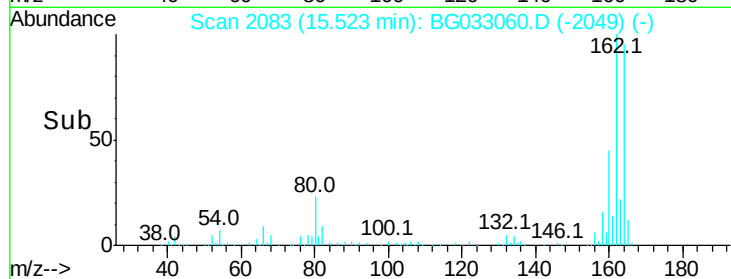
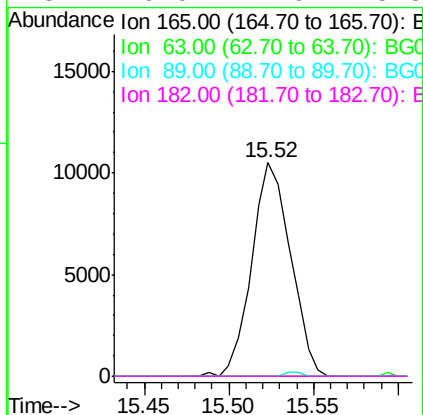
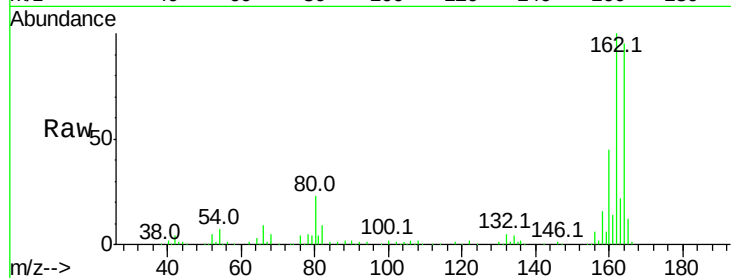




#56
 2,4-Dinitrotoluene
 Concen: 14.239 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033060.D
 Acq: 9 Mar 2018 4:10

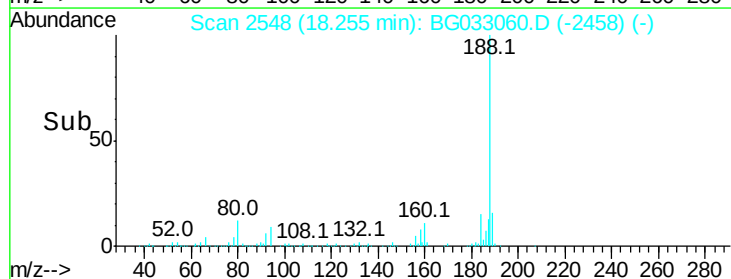
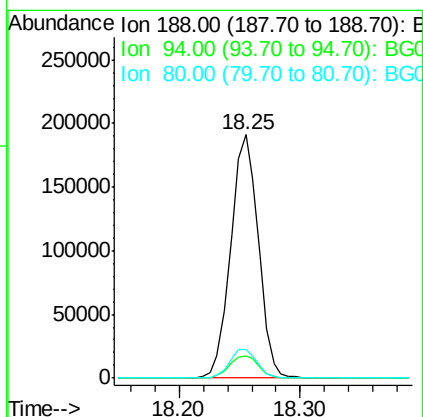
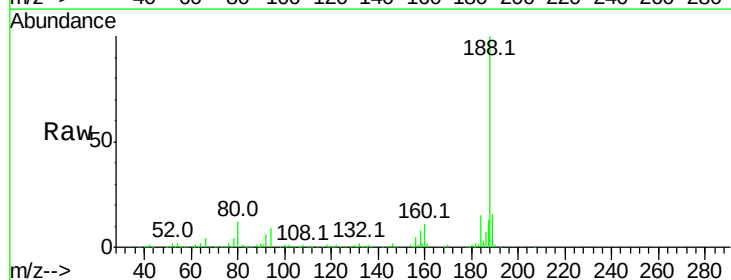
Instrument :
 BNA_G
 ClientSampleId :

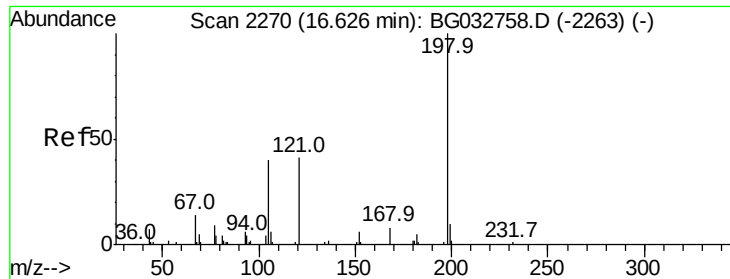
Tot Ion:	165	Resp:	16752
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: BG033060.D
 Acq: 9 Mar 2018 4:10

Tgt Ion:	188	Resp:	304522
Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	11.7	7.7	11.5#

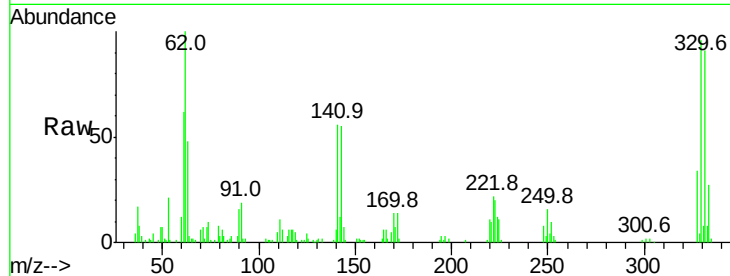




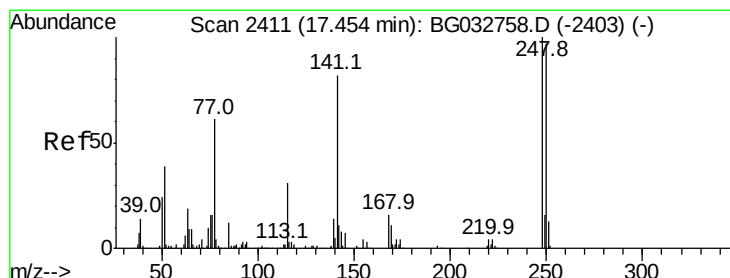
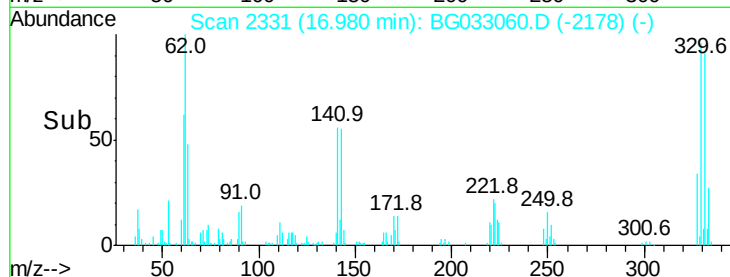
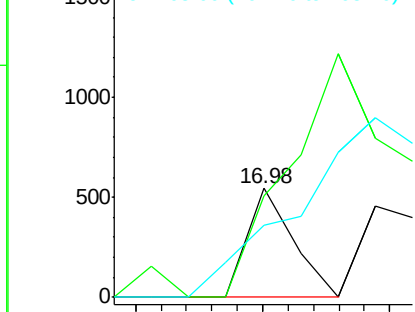
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.326 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.37 min
 Lab File: BG033060.D
 Acq: 9 Mar 2018 4:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 270
 Ion Ratio Lower Upper
 198 100
 51 92.8 30.6 70.6#
 105 66.6 23.8 63.8#

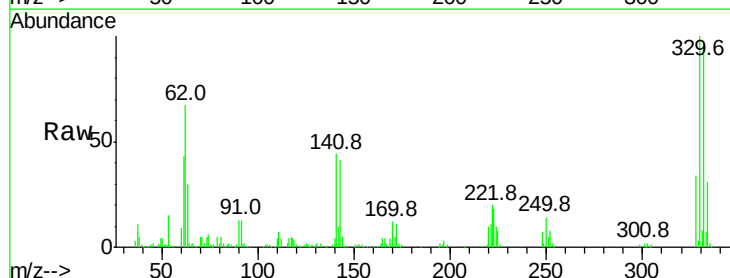


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

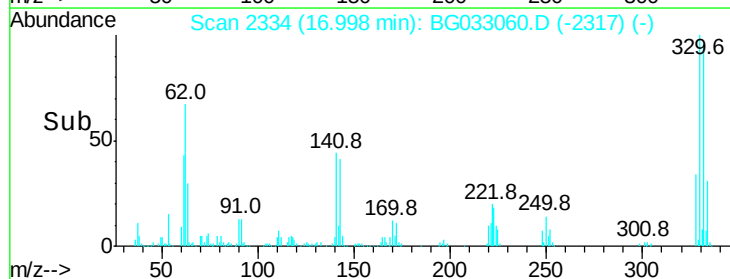
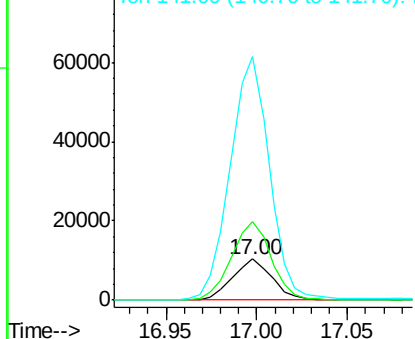


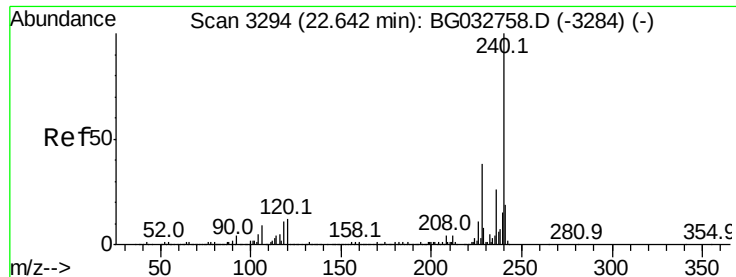
#66
 4-Bromophenyl-phenylether
 Concen: 4.840 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033060.D
 Acq: 9 Mar 2018 4:10

Tgt Ion:248 Resp: 15585
 Ion Ratio Lower Upper
 248 100
 250 189.8 77.1 115.7#
 141 589.7 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: 22.61 min Scan# 3290

Delta R.T. 0.00 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Instrument :

BNA_G

ClientSampleId :

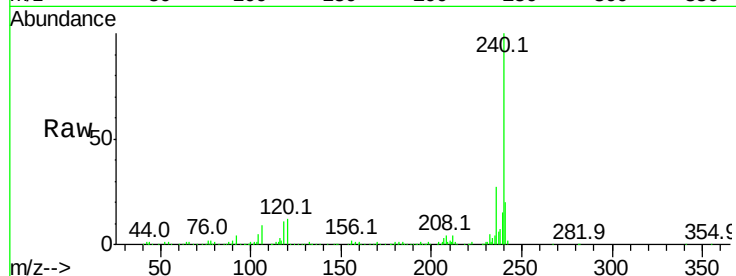
Tot Ion:240 Resp: 277441

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

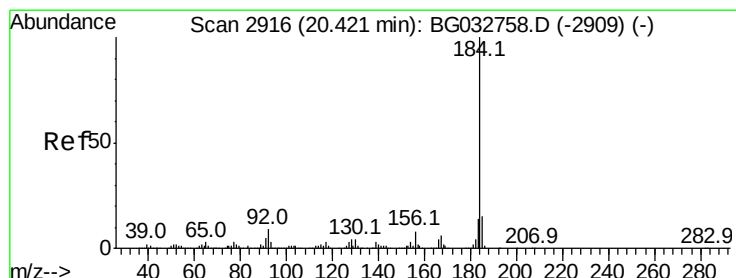
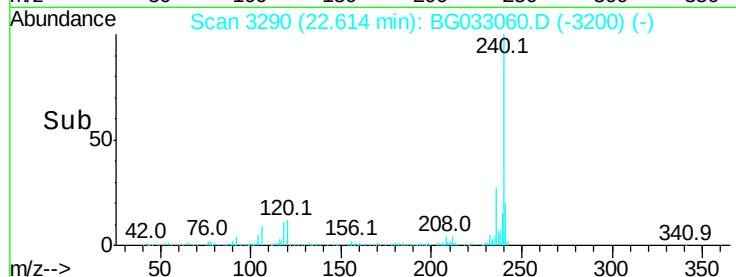
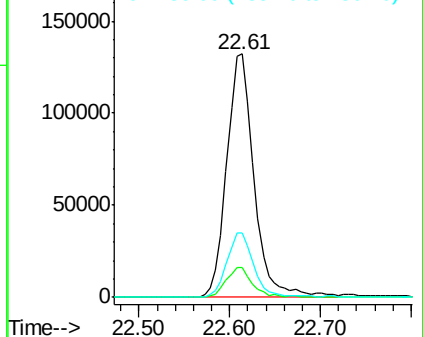
236 26.7 20.9 31.3



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: 2.317 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

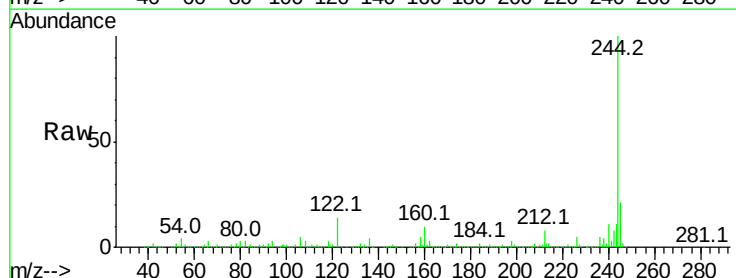
Tgt Ion:184 Resp: 21915

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

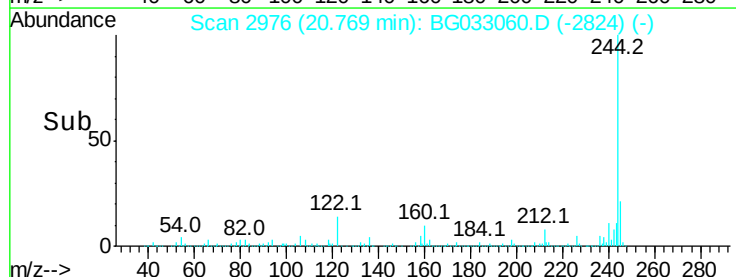
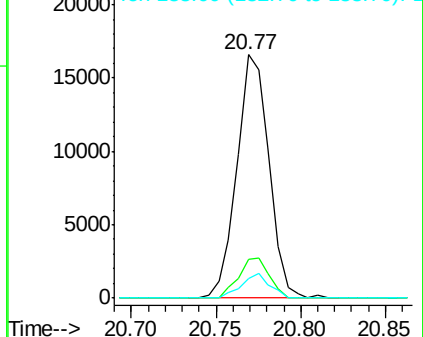
183 8.0 10.6 16.0#

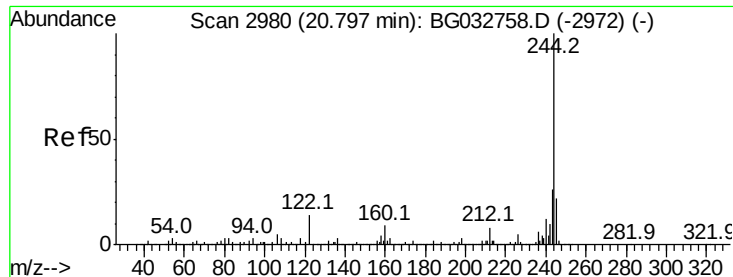


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.937 ng

RT: 20.77 min Scan# 2977

Delta R.T. 0.01 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

Instrument :

BNA_G

ClientSampleId :

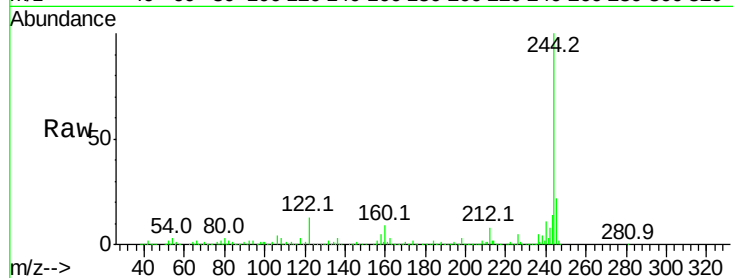
Tot Ion:244 Resp: 1258781

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	12.5	7.0	10.4

244 100

212 8.3 5.8 8.8

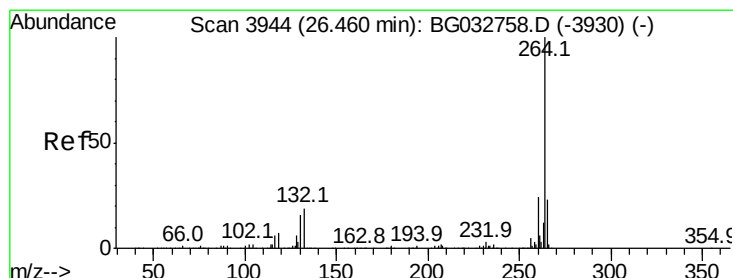
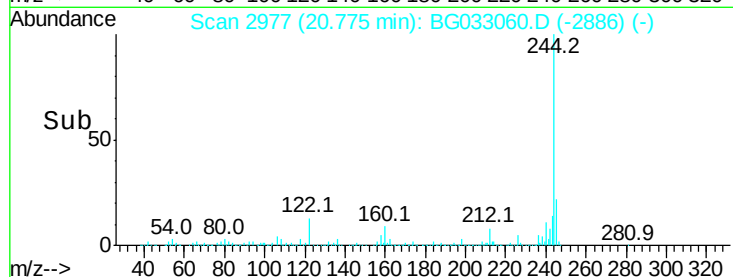
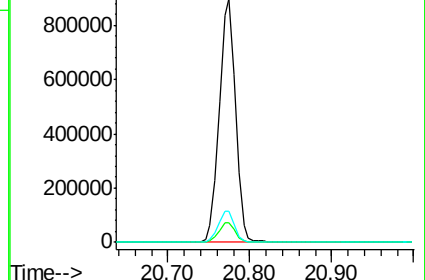
122 12.5 7.0 10.4



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: 26.42 min Scan# 3938

Delta R.T. 0.01 min

Lab File: BG033060.D

Acq: 9 Mar 2018 4:10

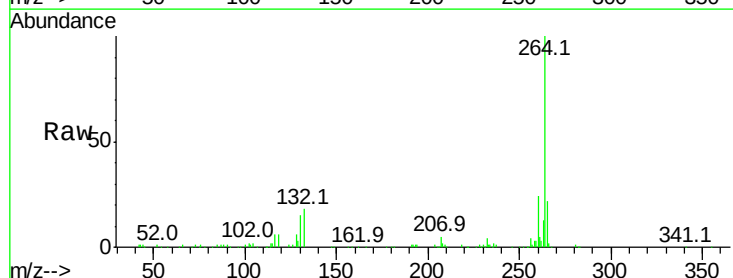
Tgt Ion:264 Resp: 258743

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.1	17.7	26.5

264 100

260 23.9 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

