

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030918\
 Data File : BG033075.D
 Acq On : 9 Mar 2018 16:52
 Operator : SJ/JU
 Sample : J1853-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 17:50:41 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

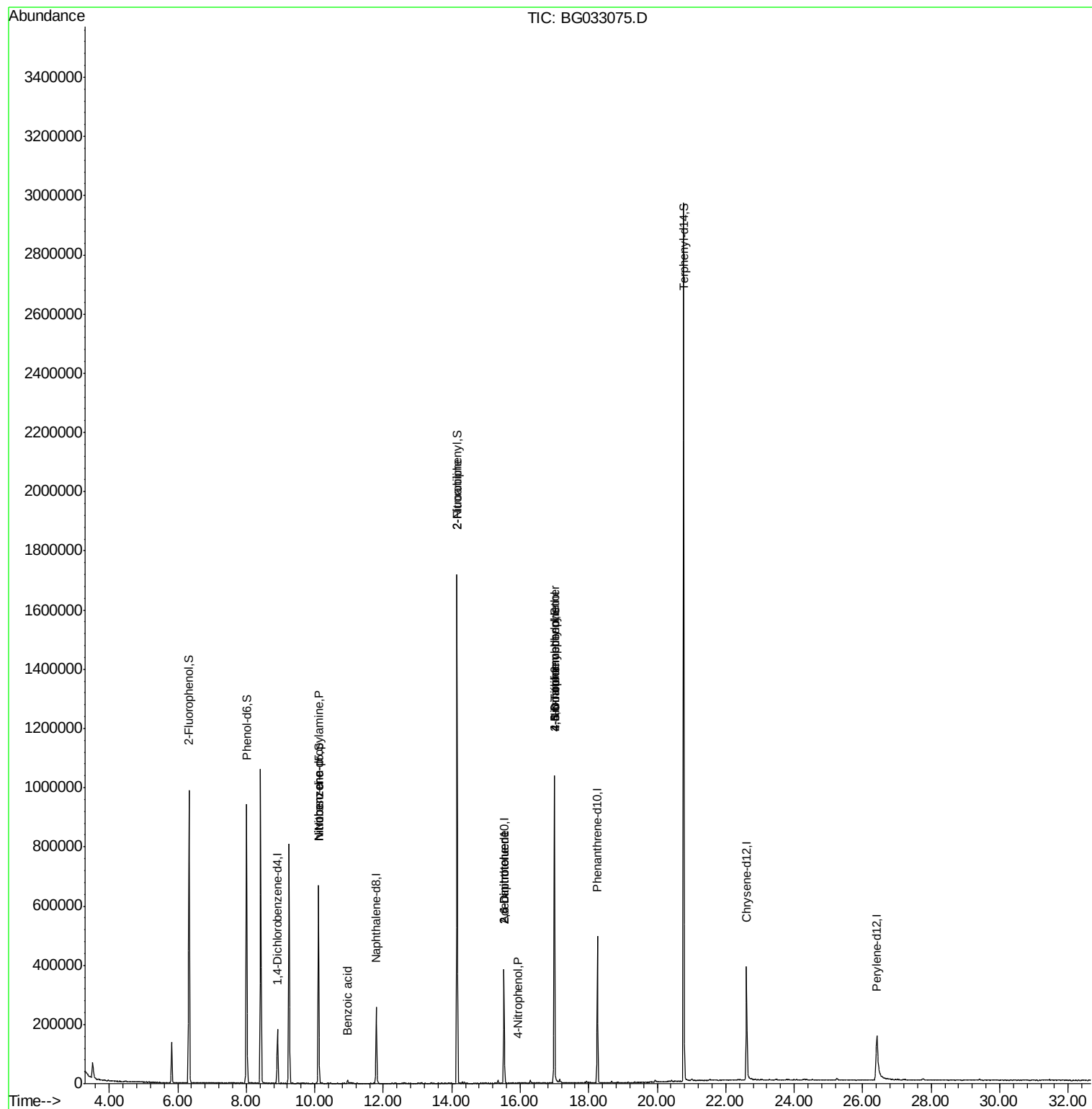
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	53807	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	235798	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	133471	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	305347	20.00	ng	0.00
75) Chrysene-d12	22.61	240	282547	20.00	ng	0.00
86) Perylene-d12	26.41	264	253023	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	460778	137.00	ng	0.00
7) Phenol-d6	8.01	99	571299	121.87	ng	0.00
23) Nitrobenzene-d5	10.11	82	420039	119.11	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	198526	141.46	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	887264	95.88	ng	0.00
78) Terphenyl-d14	20.77	244	1353301	107.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	55761	16.849	ng	# 83
24) Nitrobenzene	10.11	77	1228	6.663	ng	# 46
32) Benzoic acid	10.96	122	5257	8.620	ng	# 78
47) 2-Nitroaniline	14.15	65	1647	10.432	ng	# 2
50) 2,6-Dinitrotoluene	15.52	165	17305	16.413	ng	# 20
55) 4-Nitrophenol	15.92	139	59	7.110	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	17305	14.611	ng	# 17
61) 4-Nitroaniline	17.00	138	62	5.322	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	605	5.790	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	13375	4.143	ng	# 1

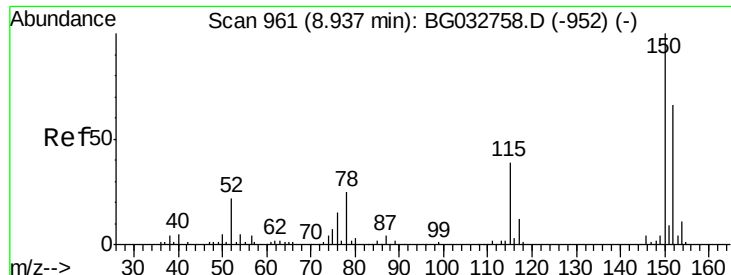
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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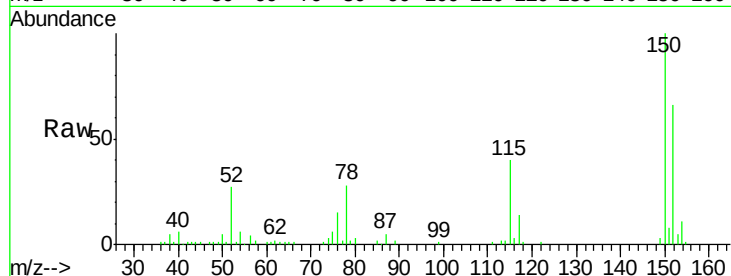


#1

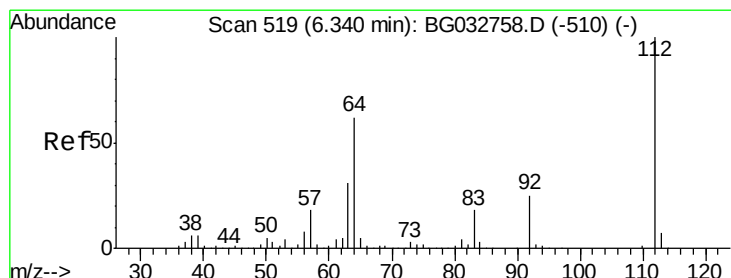
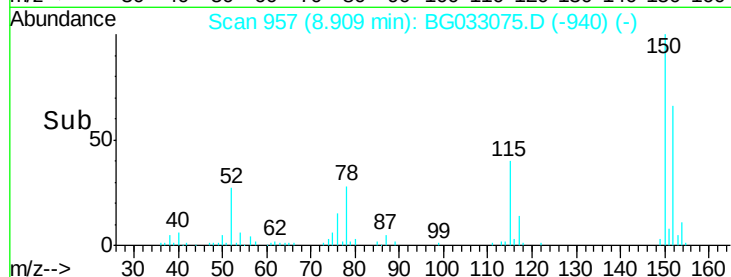
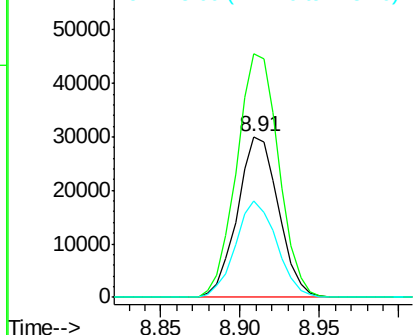
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53807
Ion Ratio Lower Upper
152 100
150 151.8 126.6 189.8
115 60.1 53.0 79.4



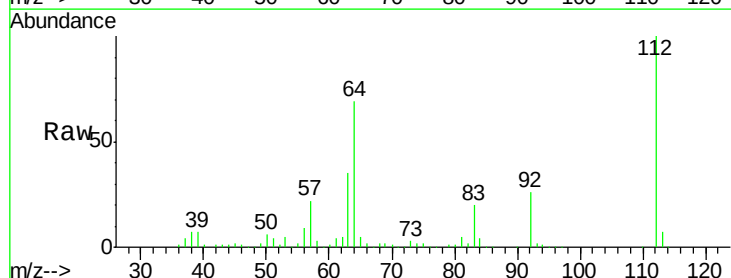
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



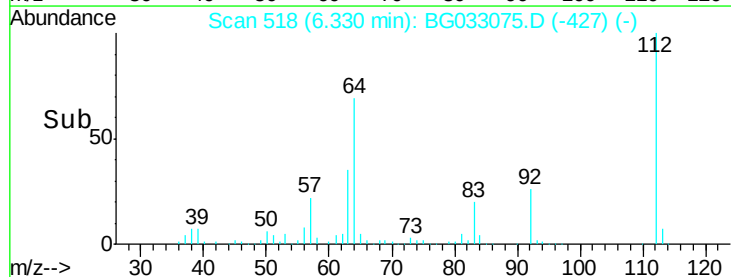
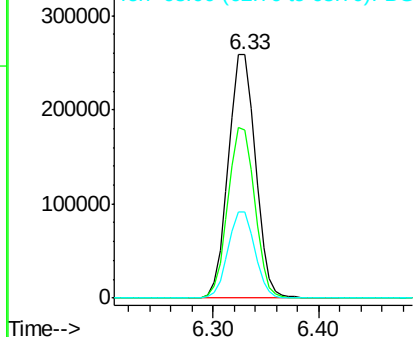
#5

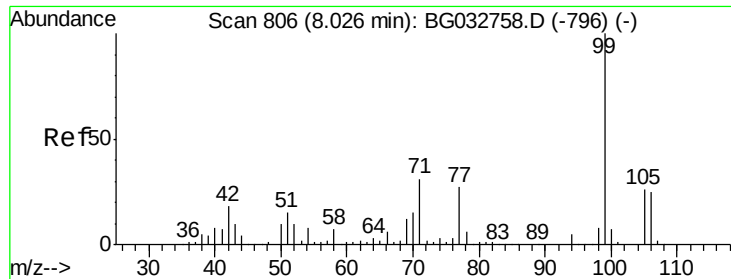
2-Fluorophenol
Concen: 137.004 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Tgt Ion:112 Resp: 460778
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 35.3 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: 121.867 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.01 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

Instrument :

BNA_G

ClientSampled :

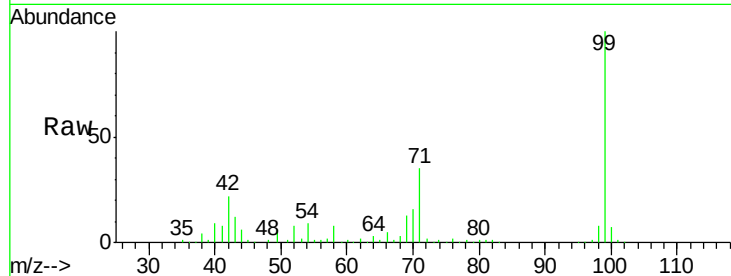
Tot Ion: 99 Resp: 571299

Ion Ratio Lower Upper

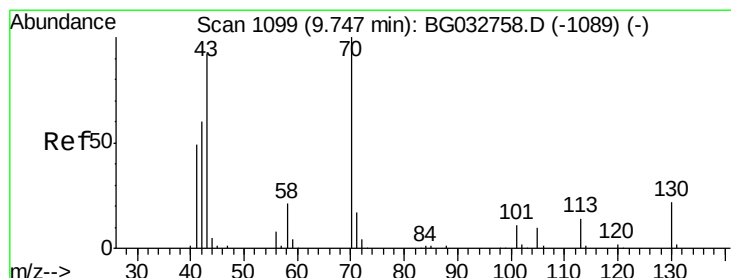
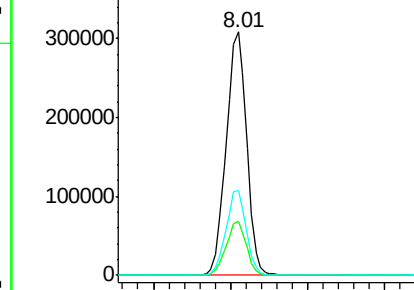
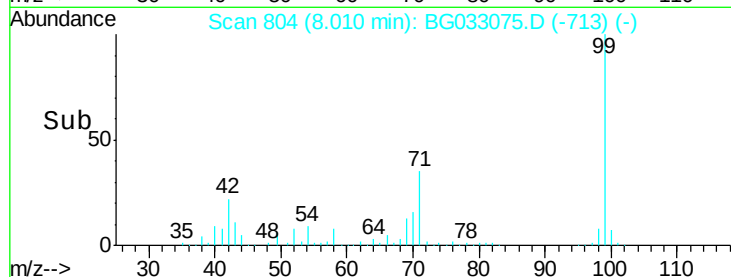
99 100

42 22.2 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: 16.849 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.39 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

Tgt Ion: 70 Resp: 55761

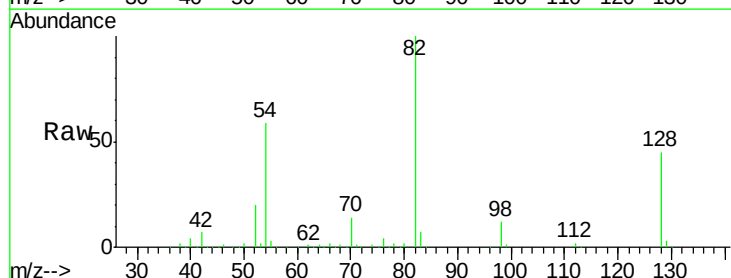
Ion Ratio Lower Upper

70 100

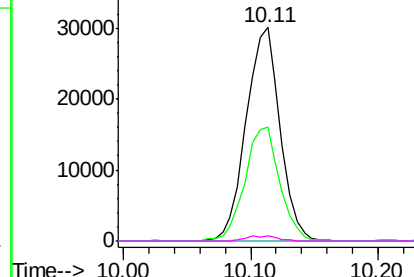
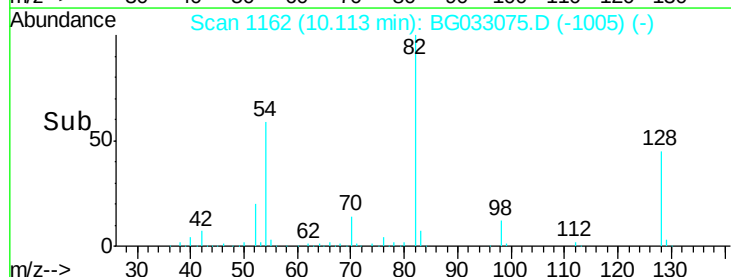
42 53.2 49.1 73.7

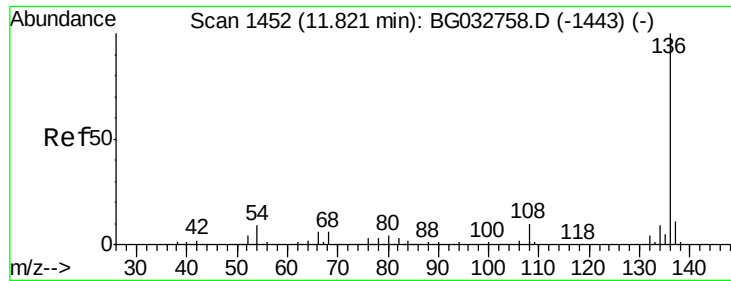
101 0.0 8.5 12.7#

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

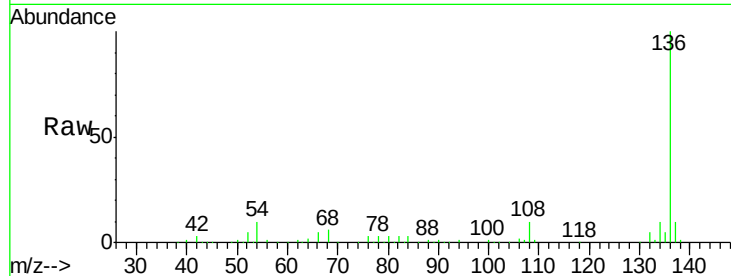




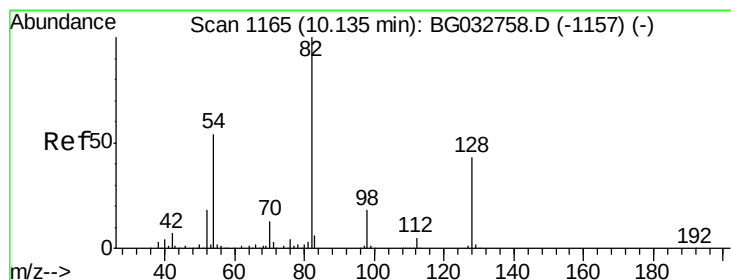
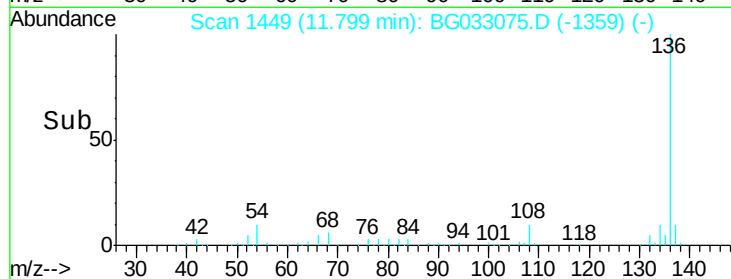
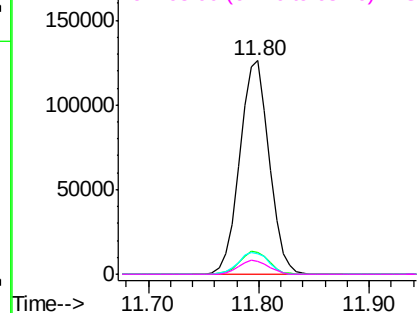
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	235798
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.2 13.8
54	9.7	10.3 15.5#
68	5.7	4.5 6.7

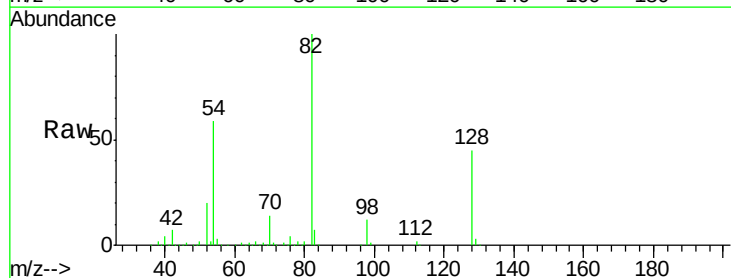


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

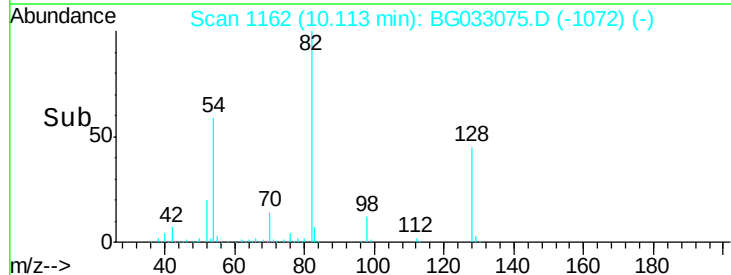
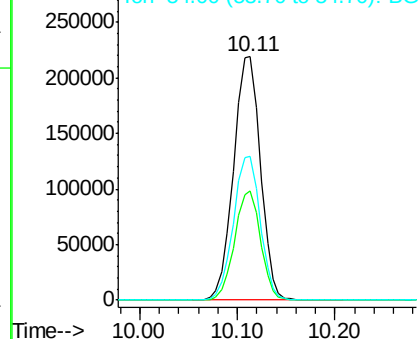


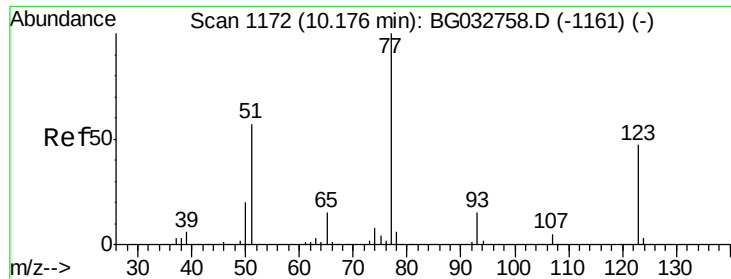
#23
Nitrobenzene-d5
Concen: 119.114 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Tgt Ion: 82	Resp:	420039
Ion Ratio	Lower	Upper
82	100	
128	44.9	29.7 44.5#
54	59.1	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

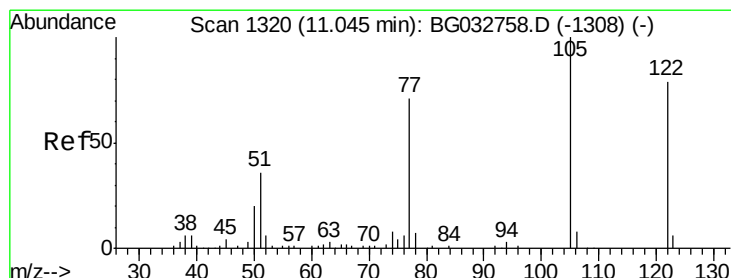
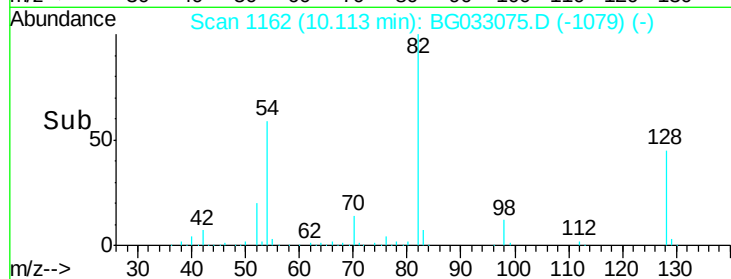
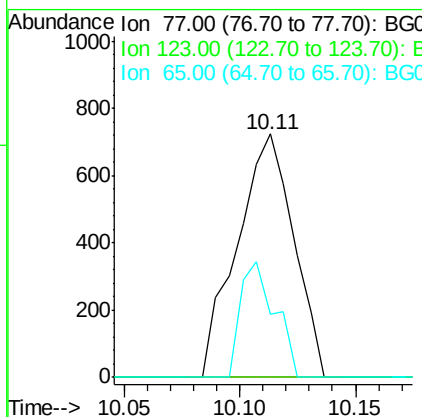
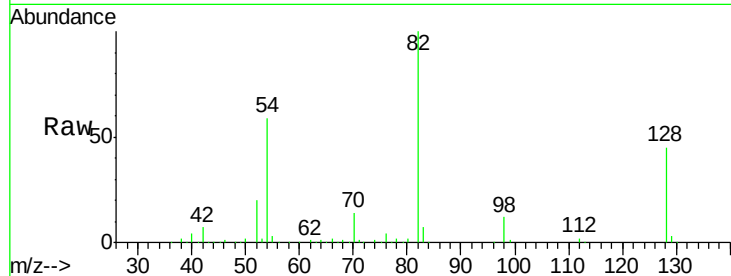




#24
 Nitrobenzene
 Concen: 6.663 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.04 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

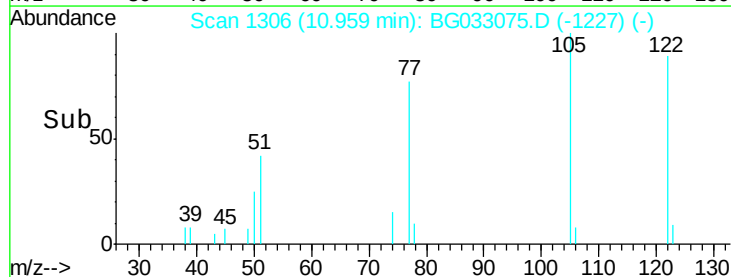
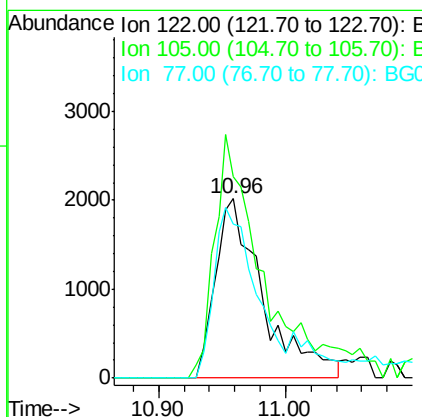
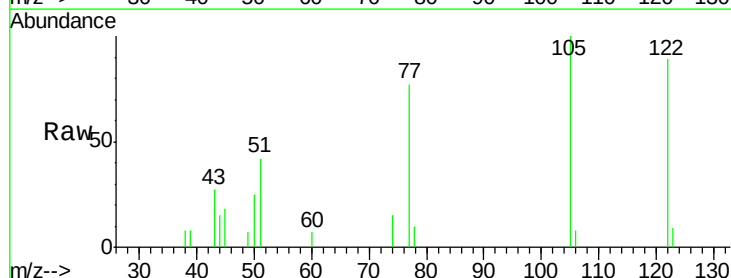
Instrument :
 BNA_G
 ClientSampled :

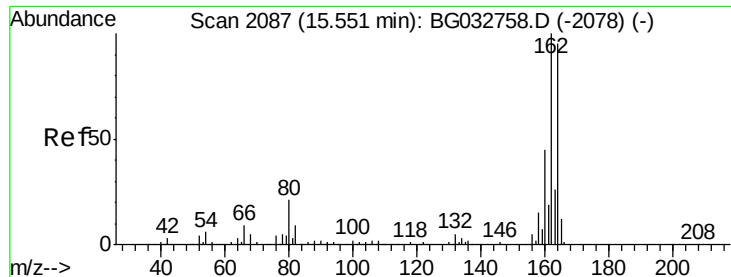
Tot Ion: 77 Resp: 1228
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 25.9 13.0 19.6#



#32
 Benzoic acid
 Concen: 8.620 ng
 RT: 10.96 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Tgt Ion: 122 Resp: 5257
 Ion Ratio Lower Upper
 122 100
 105 112.6 123.5 163.5#
 77 86.2 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

Instrument :

BNA_G

ClientSampleId :

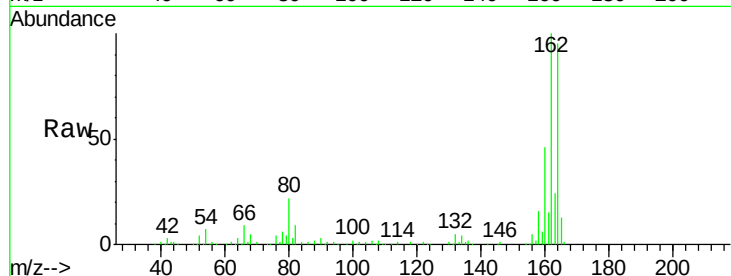
Tot Ion:164 Resp: 133471

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

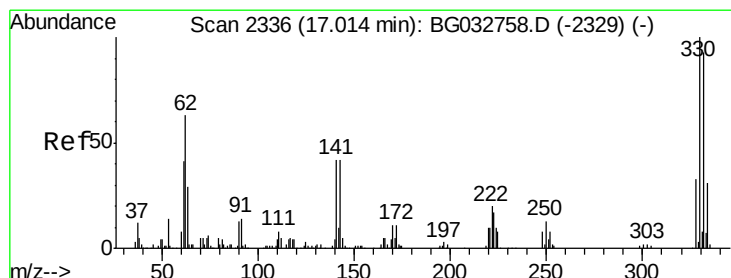
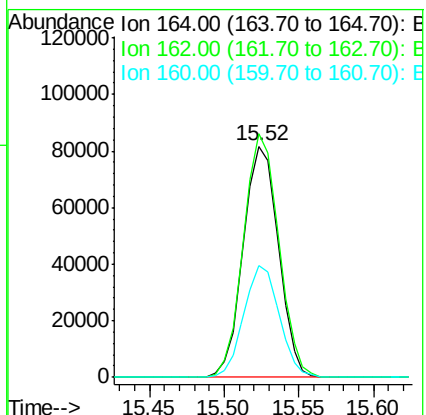
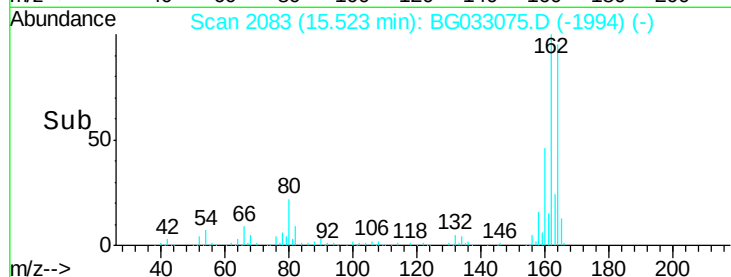
160 48.5 35.4 53.0



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: 141.461 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

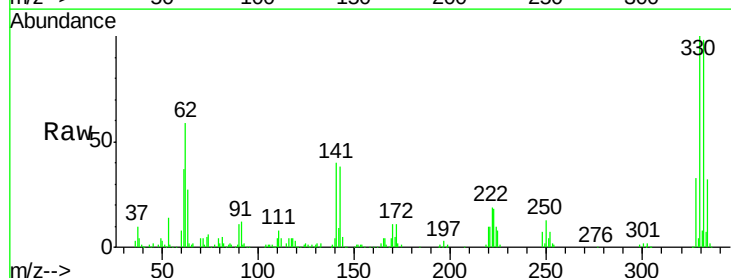
Tgt Ion:330 Resp: 198526

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

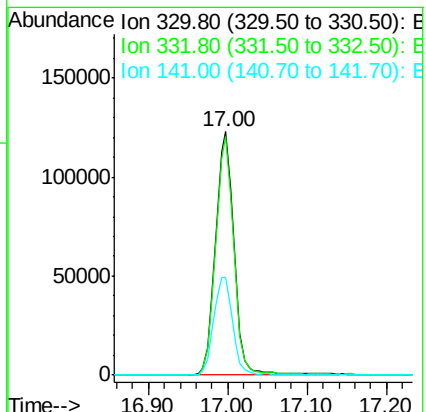
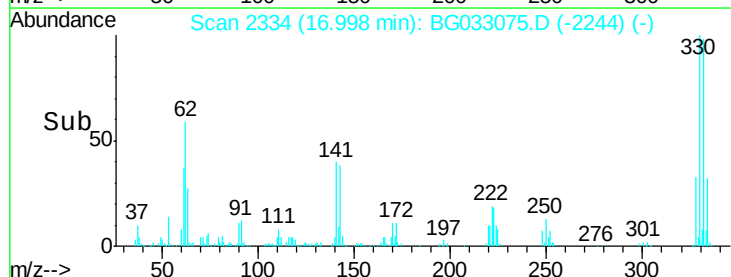
141 41.0 25.2 37.8#

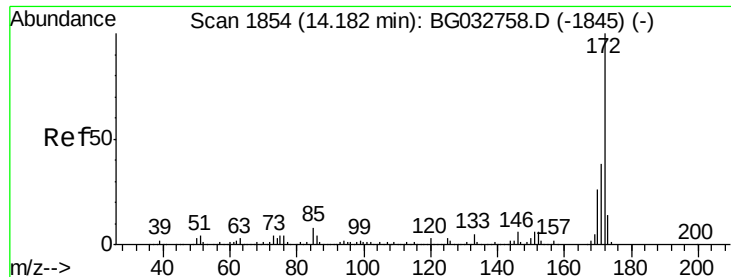


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

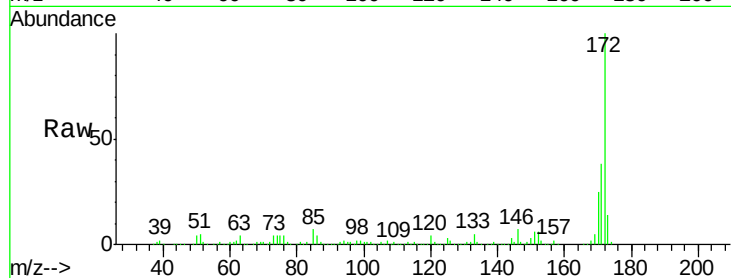




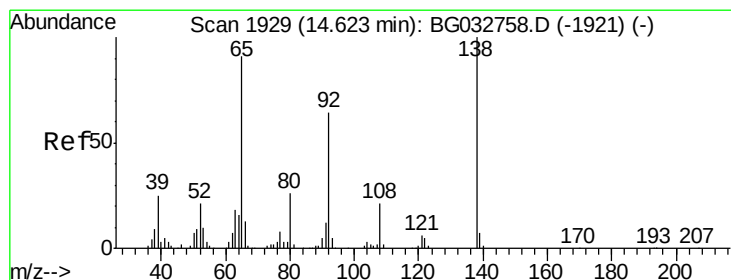
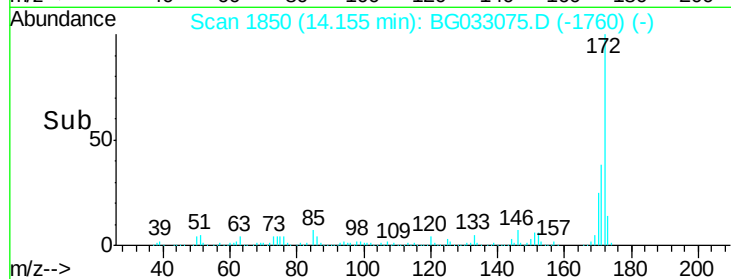
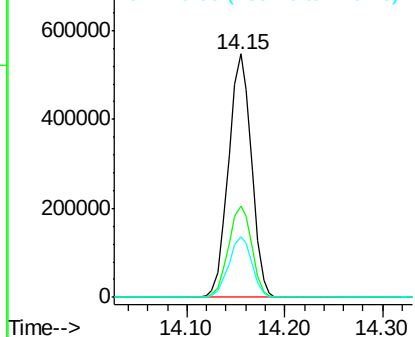
#44
 2-Fluorobiphenyl
 Concen: 95.875 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 887264
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 25.0 19.5 29.3

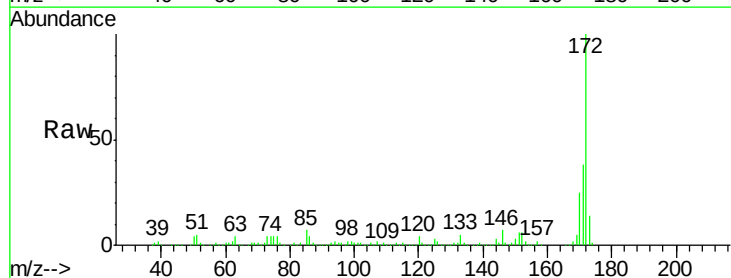


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

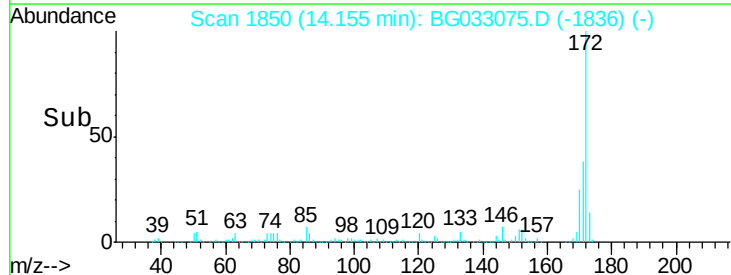
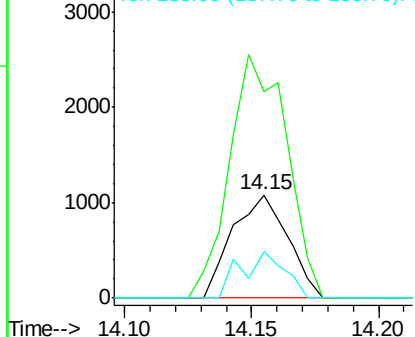


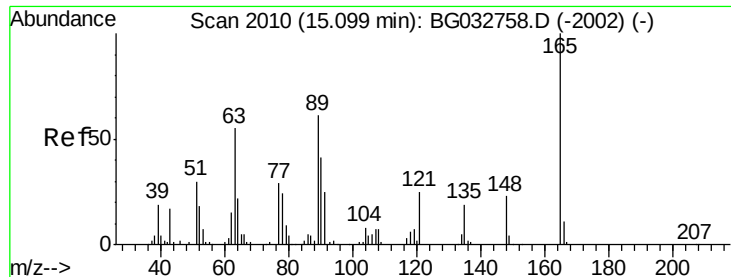
#47
 2-Nitroaniline
 Concen: 10.432 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.45 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Tgt Ion: 65 Resp: 1647
 Ion Ratio Lower Upper
 65 100
 92 200.7 54.6 82.0#
 138 45.3 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

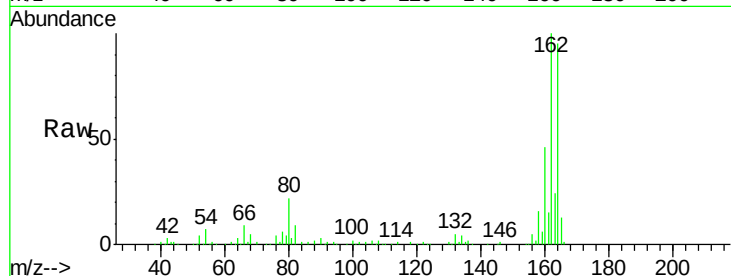




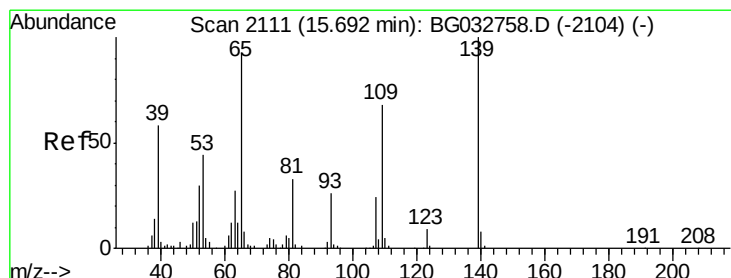
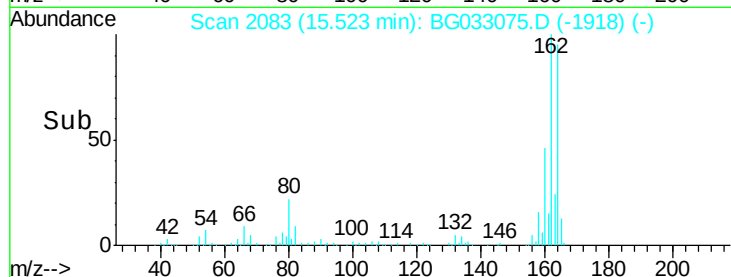
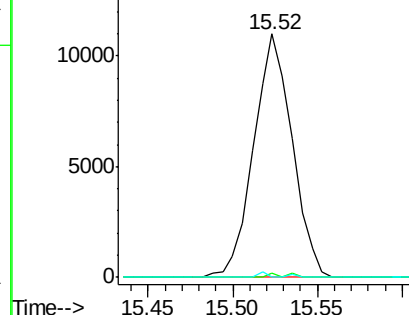
#50
2,6-Dinitrotoluene
Concen: 16.413 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17305
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 0.0 49.2 73.8#

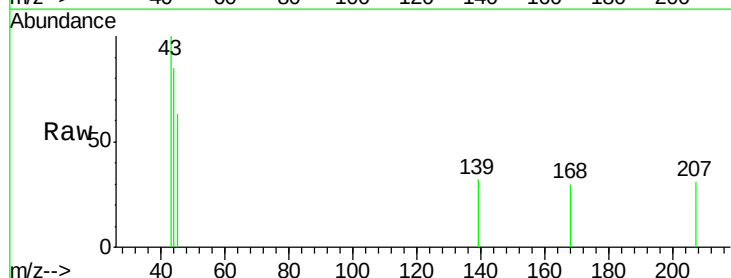


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

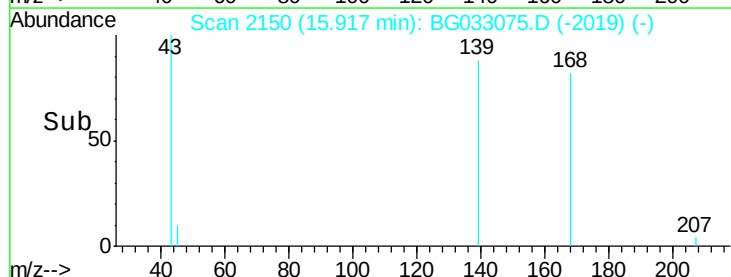
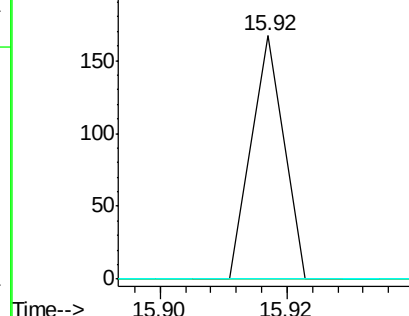


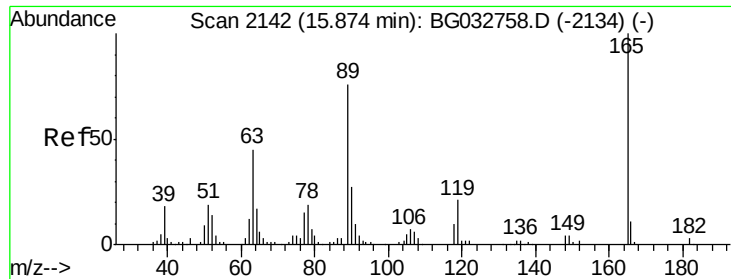
#55
4-Nitrophenol
Concen: 7.110 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Tgt Ion:139 Resp: 59
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): BGO

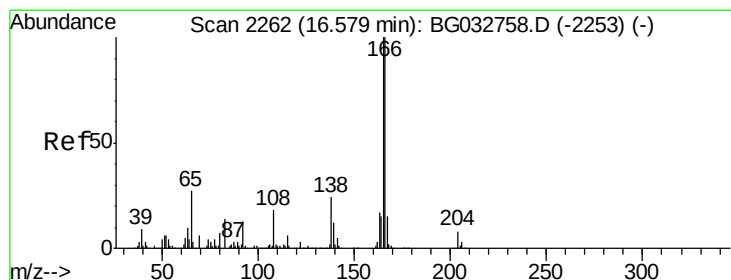
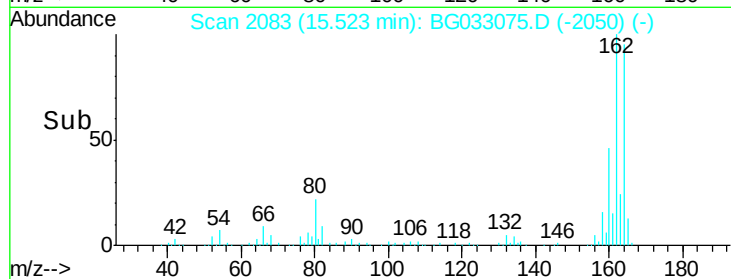
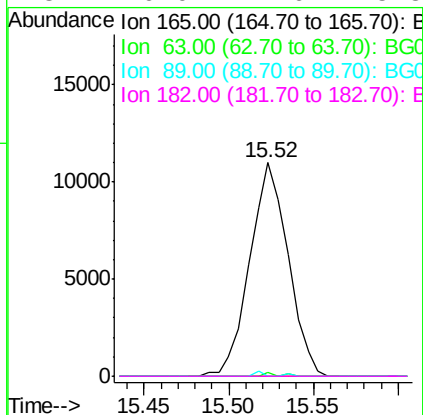
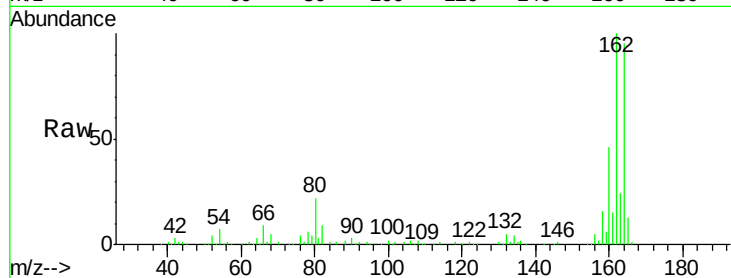




#56
 2,4-Dinitrotoluene
 Concen: 14.611 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.34 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

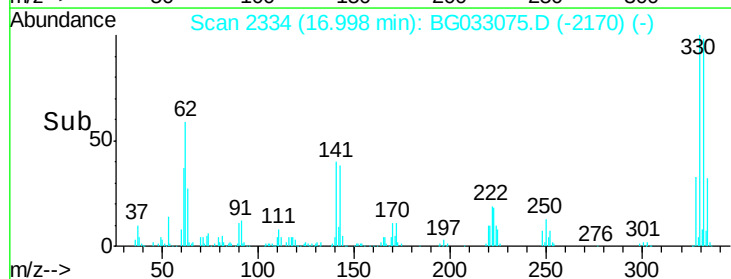
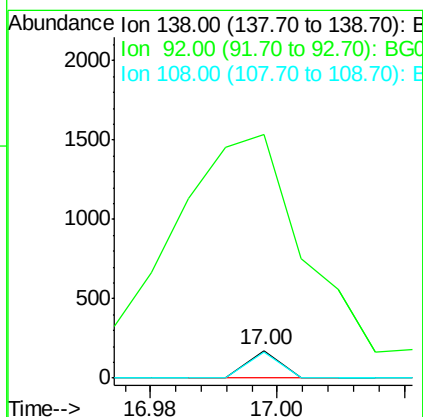
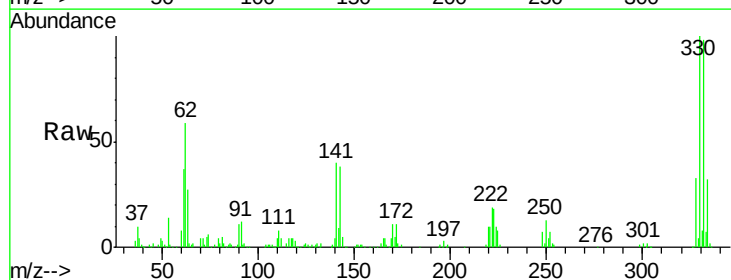
Instrument :
 BNA_G
 ClientSampleId :

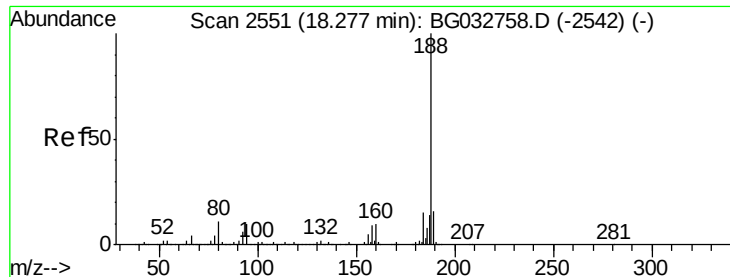
Tot Ion:165 Resp: 17305
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#61
 4-Nitroaniline
 Concen: 5.322 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.43 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Tgt Ion:138 Resp: 62
 Ion Ratio Lower Upper
 138 100
 92 871.6 40.1 80.1#
 108 93.8 65.4 105.4

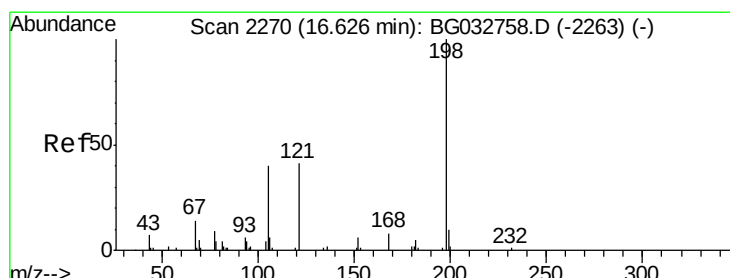
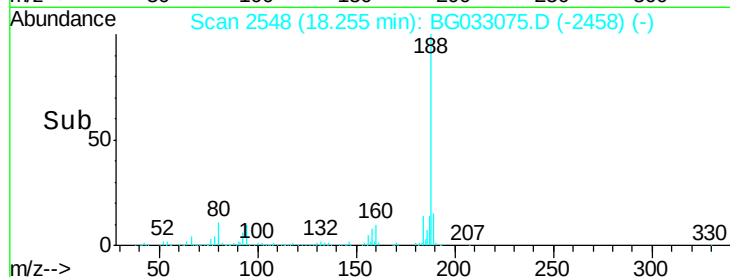
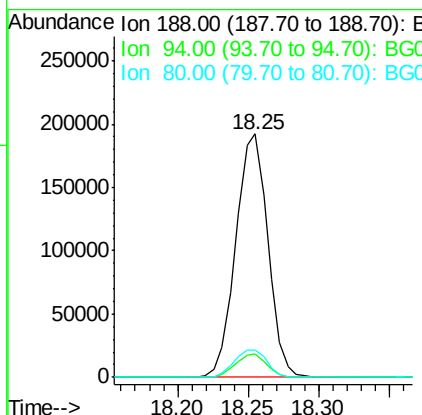
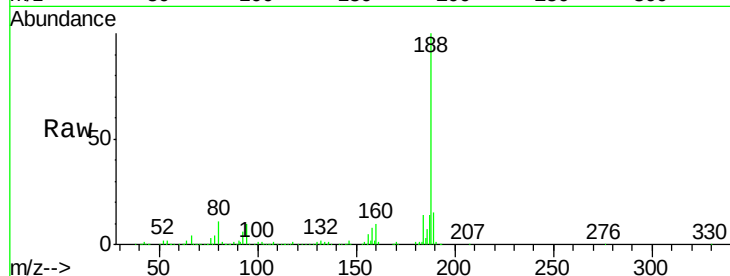




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

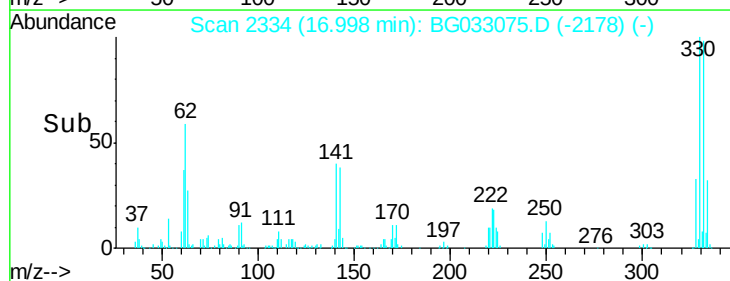
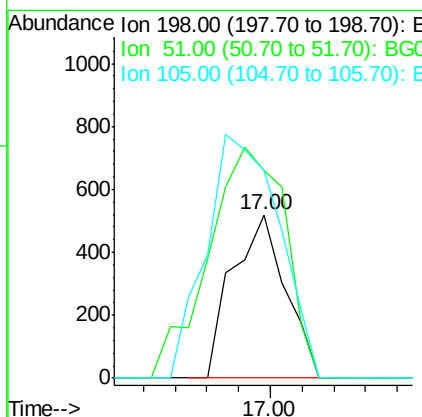
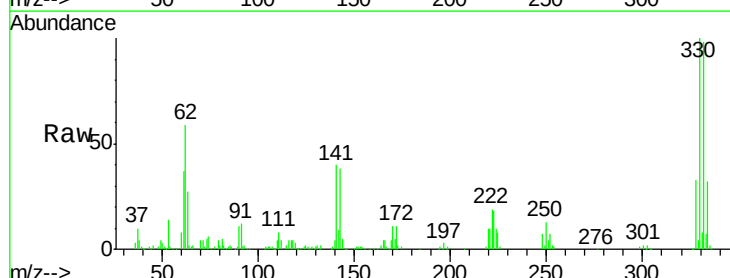
Instrument :
BNA_G
ClientSampleId :

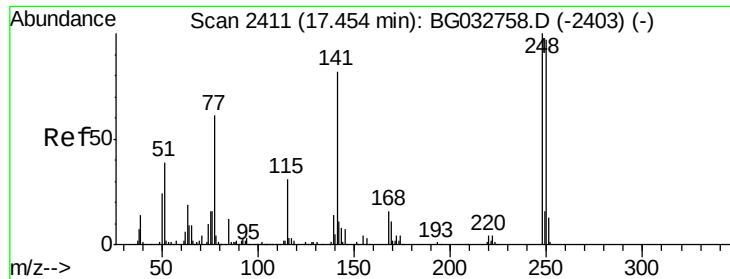
Tot Ion:188 Resp: 305347
Ion Ratio Lower Upper
188 100
94 9.6 6.9 10.3
80 11.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.790 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.39 min
Lab File: BG033075.D
Acq: 9 Mar 2018 16:52

Tgt Ion:198 Resp: 605
Ion Ratio Lower Upper
198 100
51 126.7 30.6 70.6#
105 126.7 23.8 63.8#

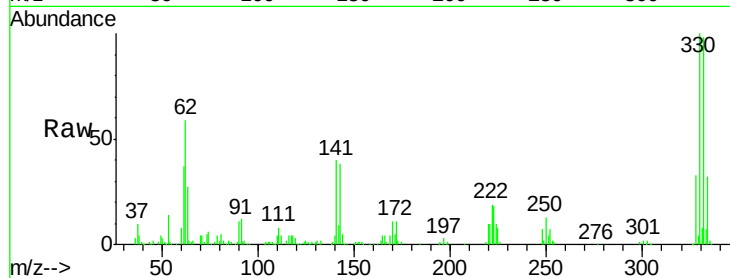




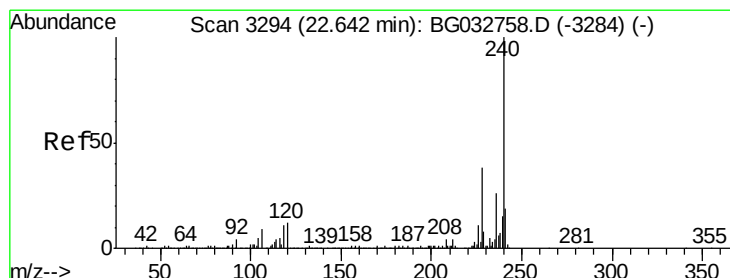
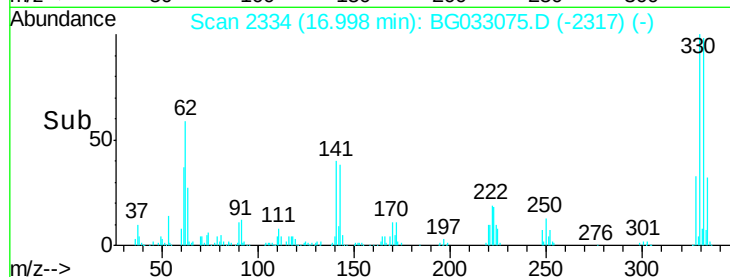
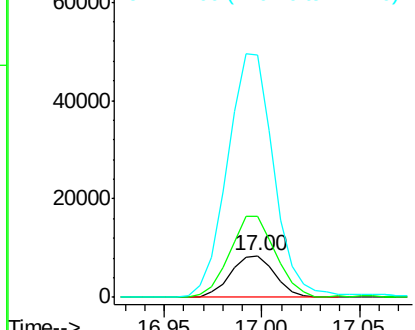
#66
 4-Bromophenyl-phenylether
 Concen: 4.143 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13375
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.1 115.7#
 141 577.4 50.8 76.2#

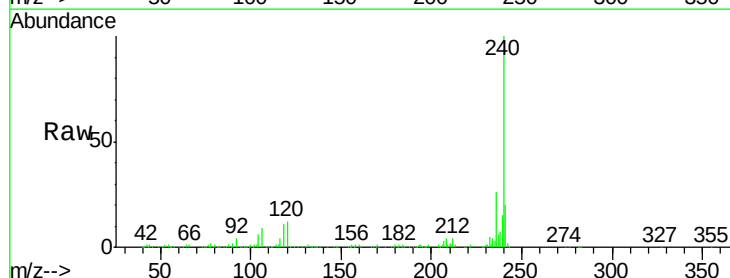


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

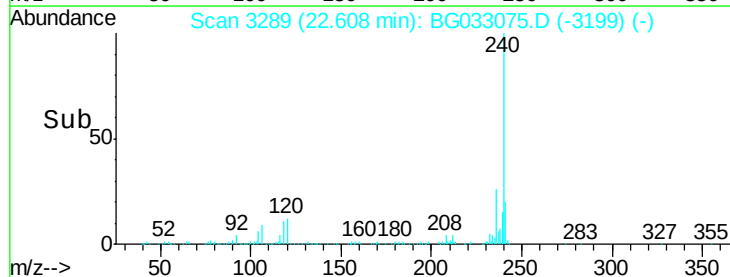
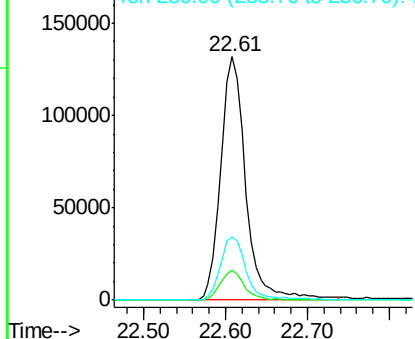


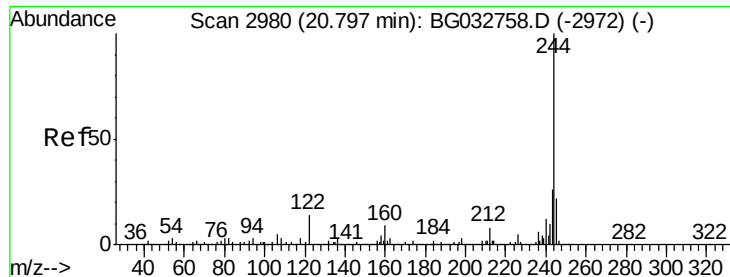
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033075.D
 Acq: 9 Mar 2018 16:52

Tgt Ion:240 Resp: 282547
 Ion Ratio Lower Upper
 240 100
 120 12.0 6.8 10.2#
 236 26.0 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





#78

Terphenyl-d14

Concen: 107.610 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

Instrument :

BNA_G

ClientSampleId :

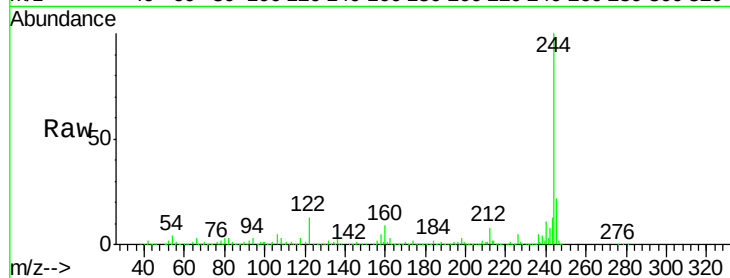
Tot Ion:244 Resp: 1353301

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

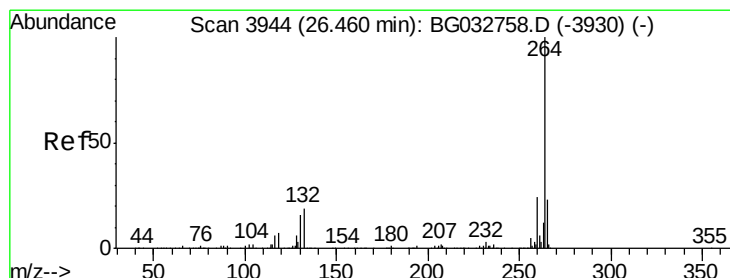
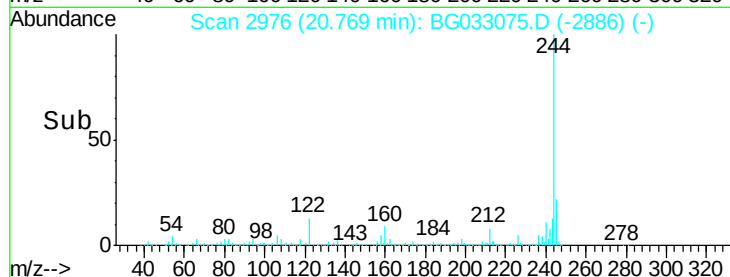
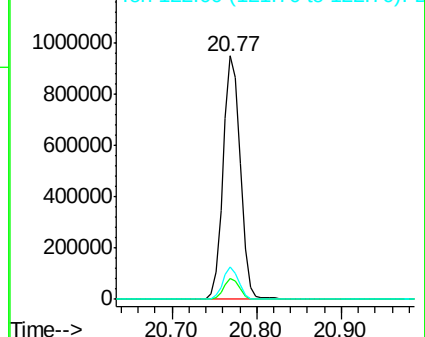
122 13.4 7.0 10.4#



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: 26.41 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033075.D

Acq: 9 Mar 2018 16:52

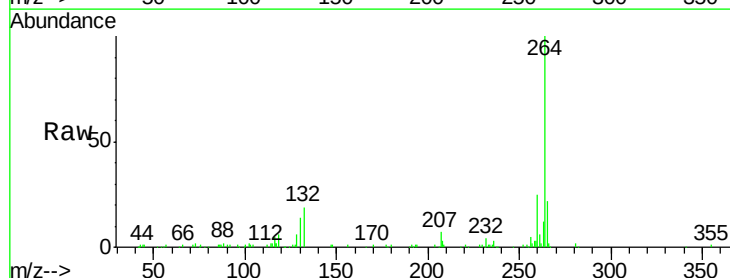
Tgt Ion:264 Resp: 253023

Ion Ratio Lower Upper

264 100

260 25.1 17.4 26.0

265 21.6 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

