

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033226.D
 Acq On : 17 Mar 2018 10:00
 Operator : SJ/JU
 Sample : J1940-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-5

Quant Time: Mar 19 02:26:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

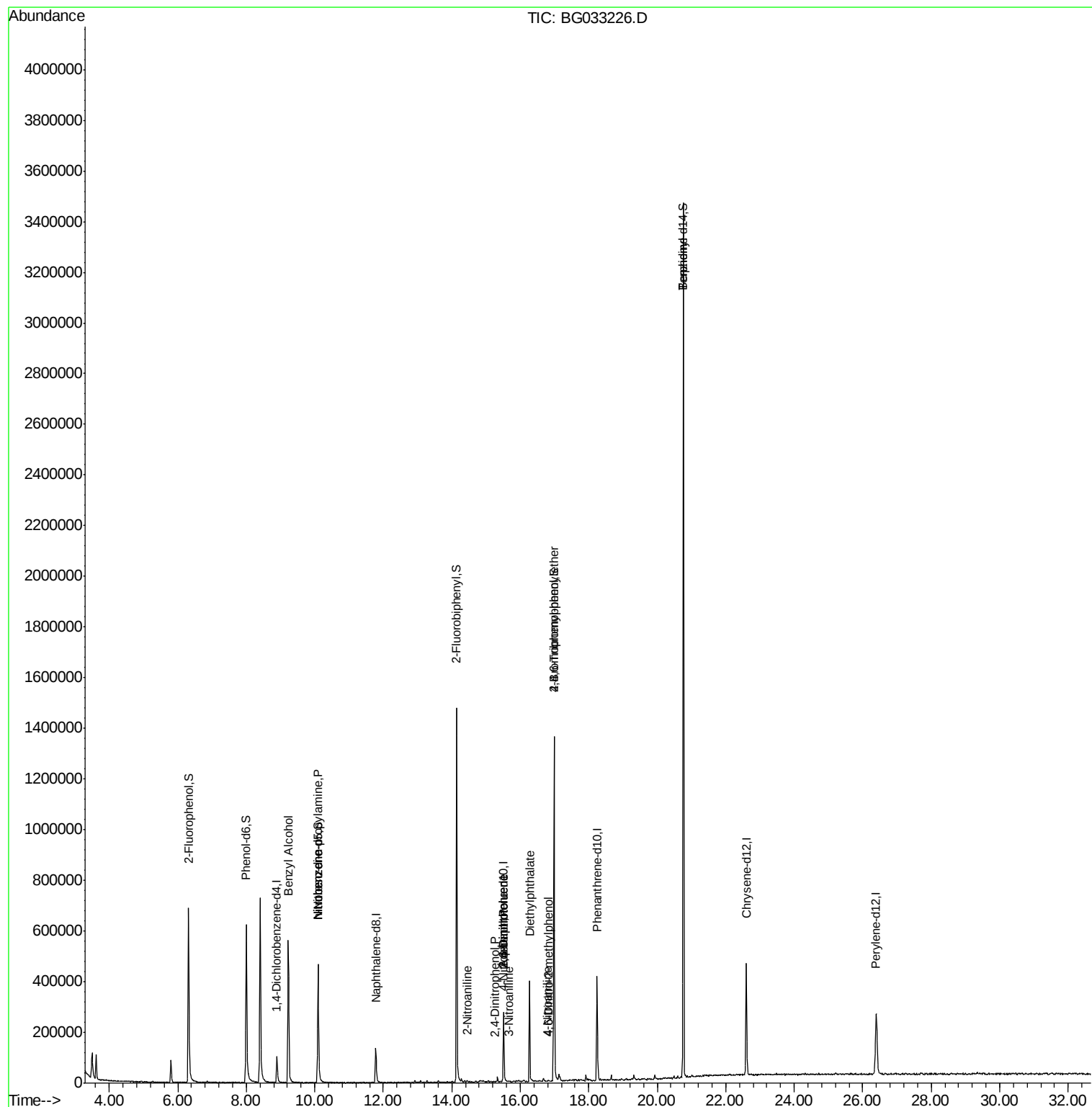
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	38079	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	144011	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	105900	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	299293	20.00	ng	0.00
75) Chrysene-d12	22.60	240	313931	20.00	ng	0.00
86) Perylene-d12	26.39	264	335645	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	340125	142.90	ng	0.00
7) Phenol-d6	8.00	99	452282	136.33	ng	-0.01
23) Nitrobenzene-d5	10.10	82	355668	161.31	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	288676	259.25	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	822388	112.00	ng	0.00
78) Terphenyl-d14	20.76	244	1639125	117.31	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	5921	2.428	ng	# 50
19) n-Nitroso-di-n-propylamine	10.10	70	49462	21.118	ng	# 75
24) Nitrobenzene	10.10	77	1105	6.798	ng	# 23
47) 2-Nitroaniline	14.45	65	176	9.916	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	13918	16.516	ng	# 21
52) 3-Nitroaniline	15.67	138	63	7.572	ng	# 1
53) 2,4-Dinitrophenol	15.26	184	60	3.572	ng	# 1
55) 4-Nitrophenol	15.50	139	73	7.126	ng	# 54
56) 2,4-Dinitrotoluene	15.51	165	13918	14.715	ng	# 19
59) Diethylphthalate	16.27	149	220639	23.264	ng	# 96
61) 4-Nitroaniline	16.80	138	54	5.324	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.82	198	59	5.031	ng	# 29
66) 4-Bromophenyl-phenylether	16.98	248	21149	6.683	ng	# 1
76) Benzidine	20.76	184	27804	2.598	ng	# 87

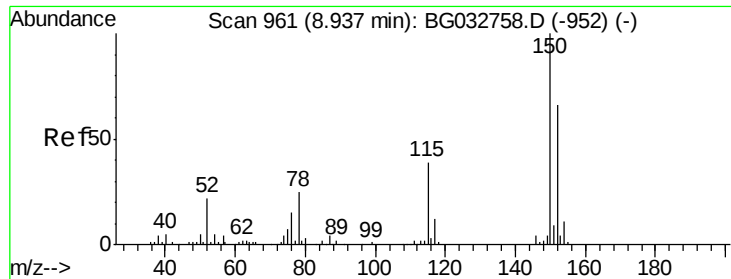
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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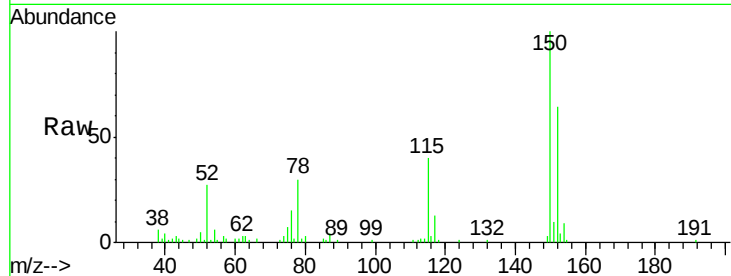


#1

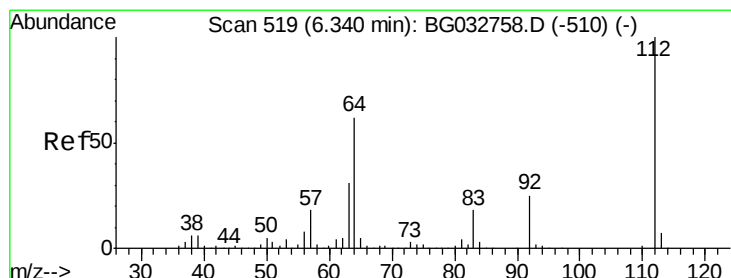
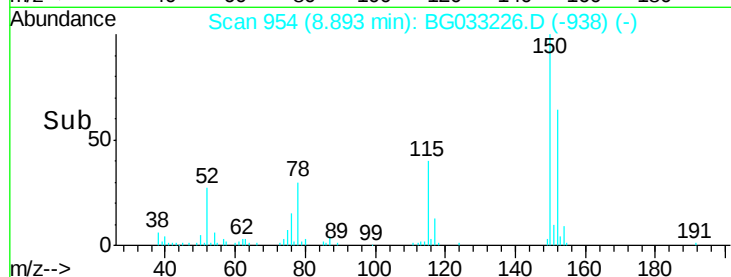
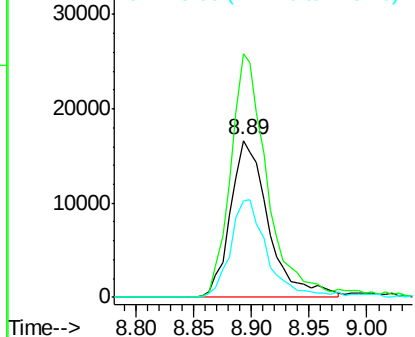
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Instrument :
BNA_G
ClientSampleId :
SP-1-5

Tot Ion:152 Resp: 38079
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 61.6 53.0 79.4



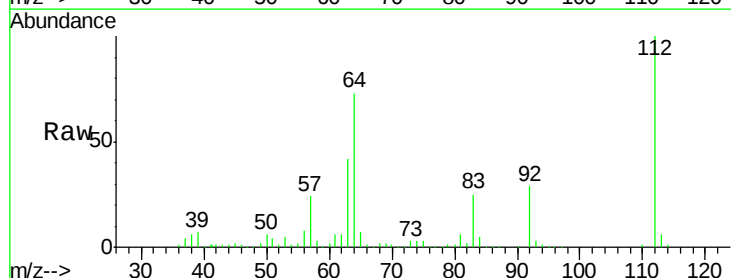
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



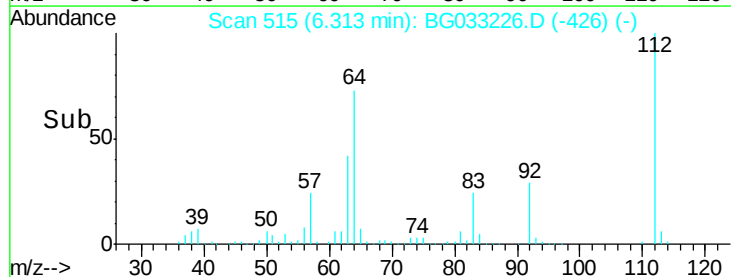
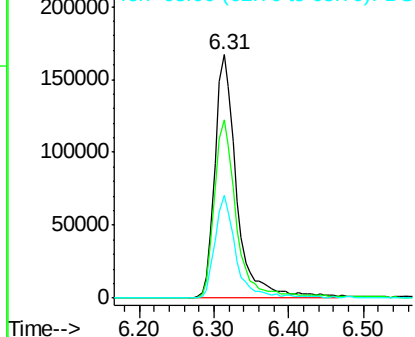
#5

2-Fluorophenol
Concen: 142.900 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Tgt Ion:112 Resp: 340125
Ion Ratio Lower Upper
112 100
64 73.3 56.3 84.5
63 42.2 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: 136.328 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

Instrument :

BNA_G

ClientSampled :

SP-1-5

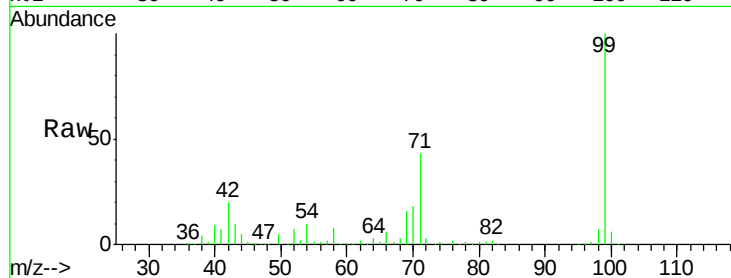
Tot Ion: 99 Resp: 452282

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

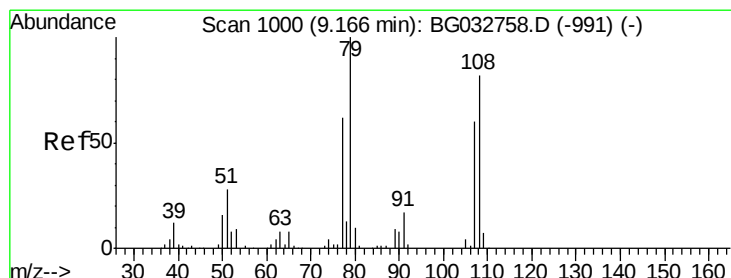
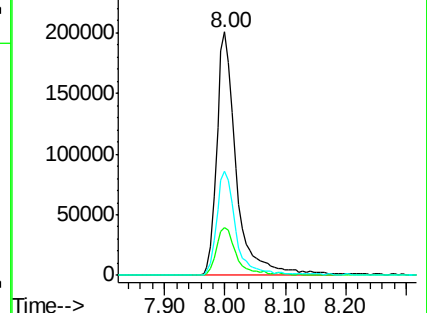
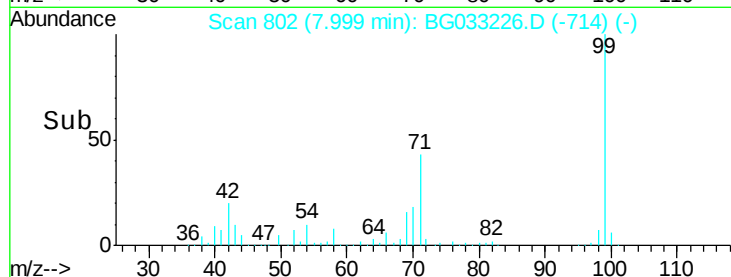
71 42.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.428 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.09 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

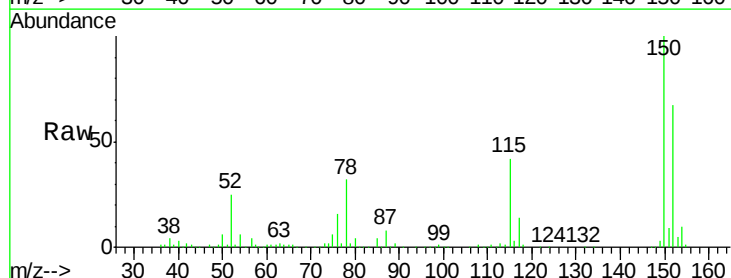
Tgt Ion: 79 Resp: 5921

Ion Ratio Lower Upper

79 100

108 40.7 57.2 85.8#

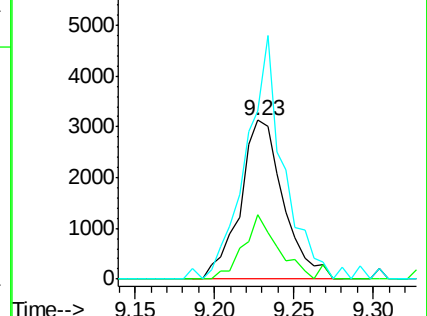
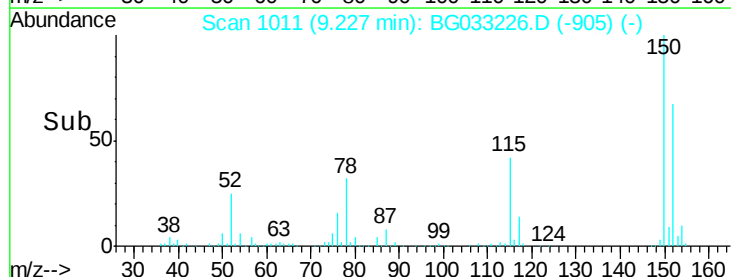
77 105.8 46.1 69.1#

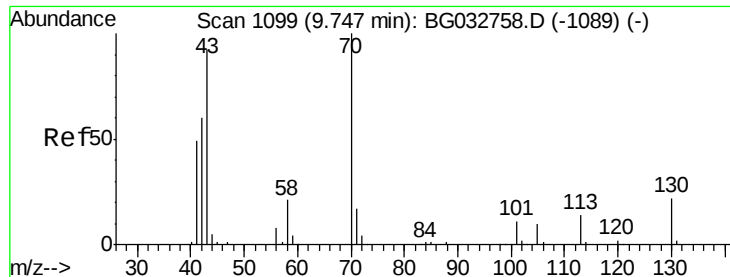


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

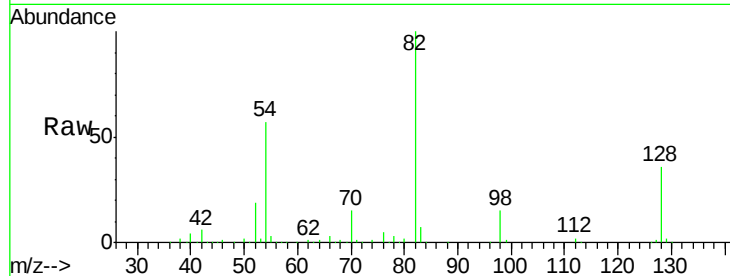




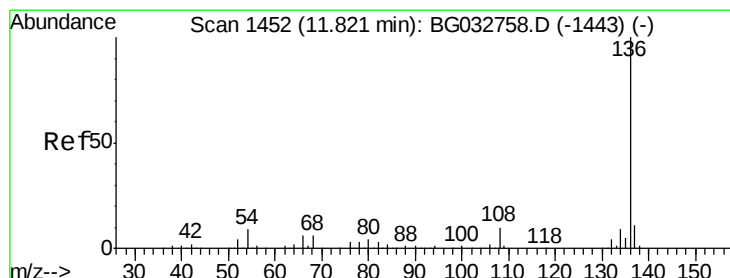
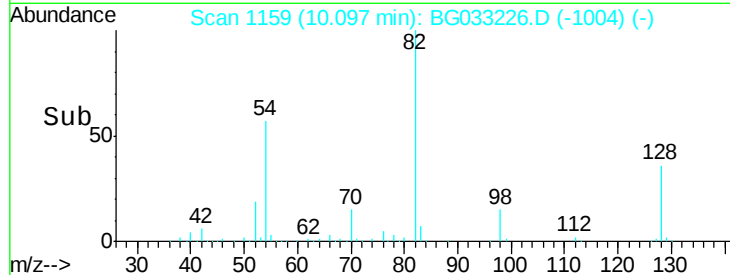
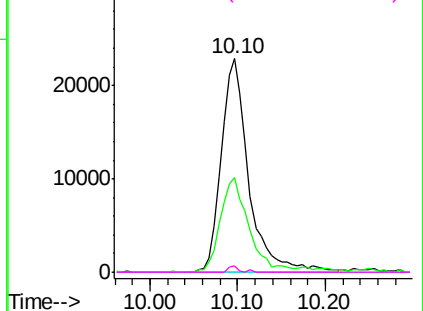
#19
n-Nitroso-di-n-propylamine
Concen: 21.118 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Instrument :
BNA_G
ClientSampleId :
SP-1-5

Tot Ion: 70 Resp: 49462
Ion Ratio Lower Upper
70 100
42 44.1 49.1 73.7#
101 0.0 8.5 12.7#
130 3.0 13.4 20.0#



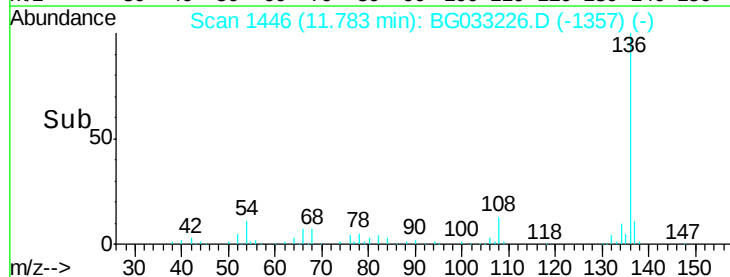
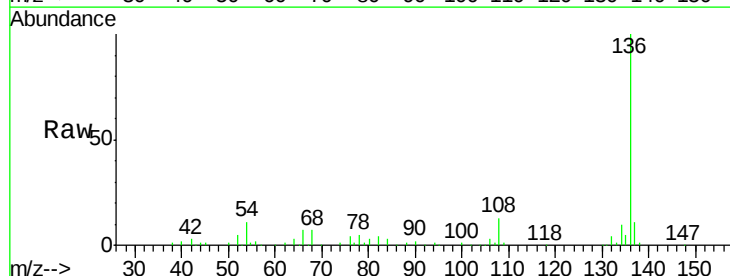
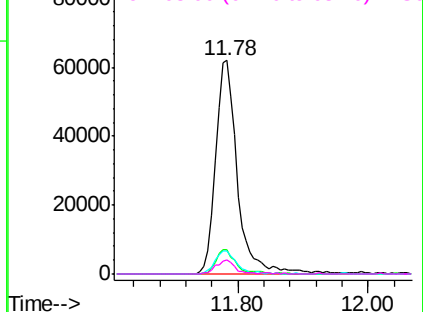
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

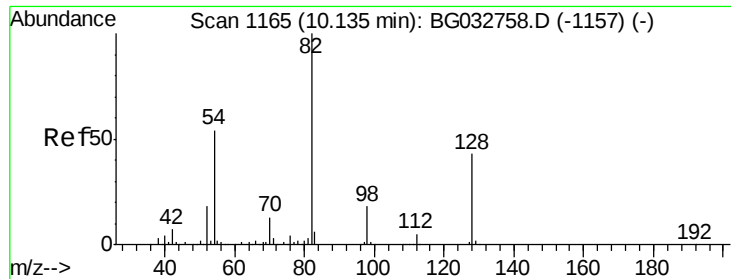


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Tgt Ion: 136 Resp: 144011
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 11.4 10.3 15.5
68 6.6 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

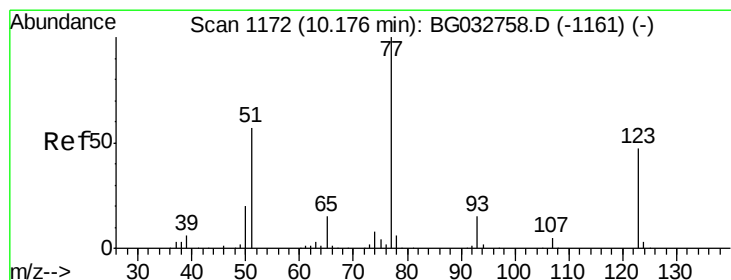
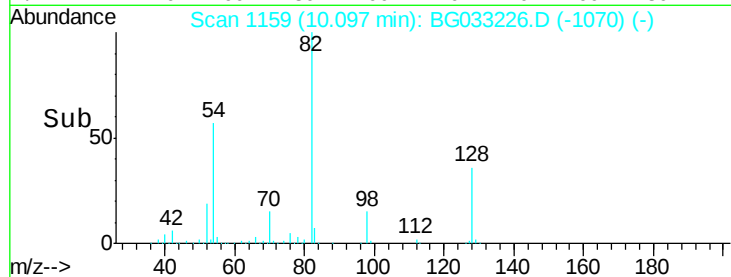
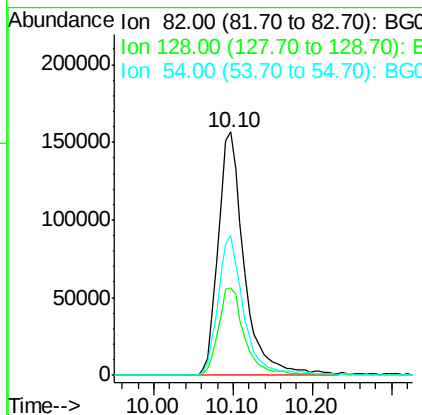
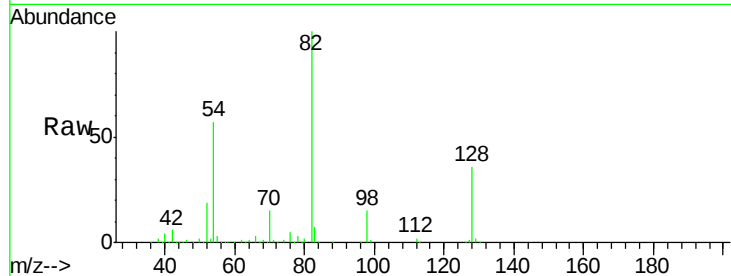




#23
 Nitrobenzene-d5
 Concen: 161.313 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

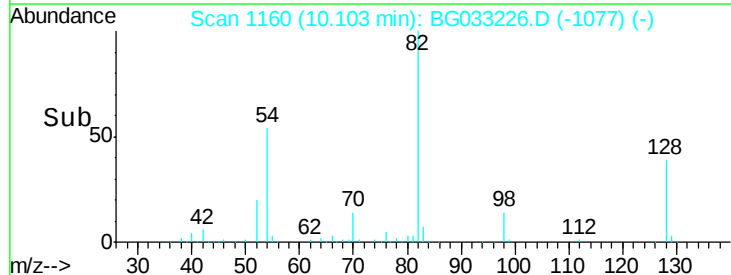
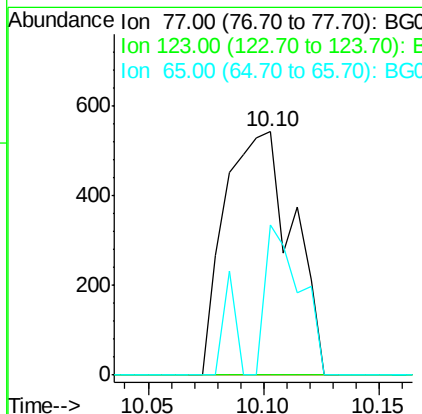
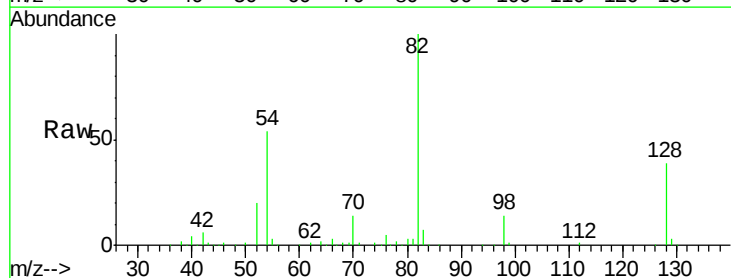
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-5

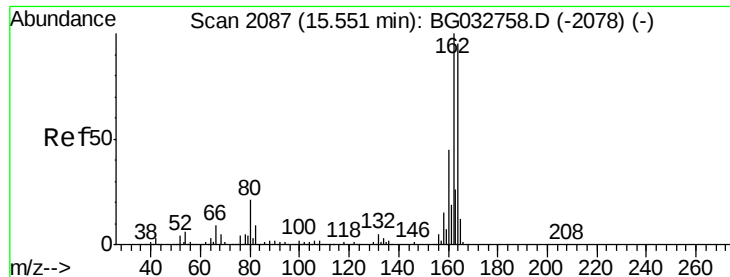
Tot Ion	82	Resp	355668
Ion Ratio	Lower	Upper	
82	100		
128	35.9	29.7	44.5
54	57.3	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.798 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. -0.04 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

Tgt Ion	77	Resp	1105
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	61.6	13.0	19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

SP-1-5

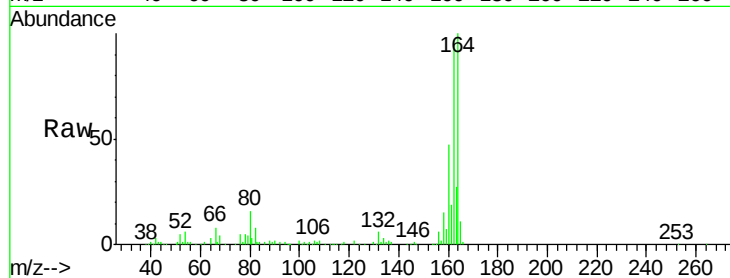
Tot Ion:164 Resp: 105900

Ion Ratio Lower Upper

164 100

162 97.3 78.8 118.2

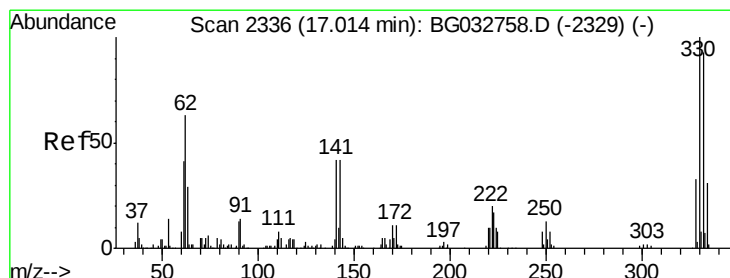
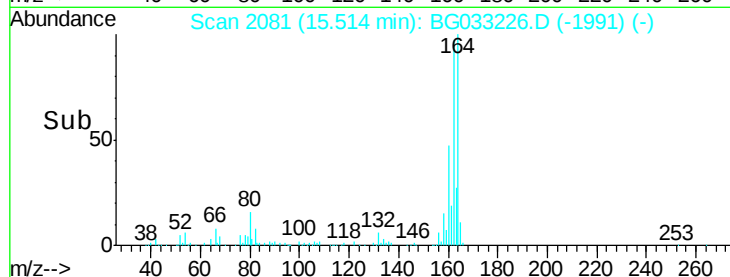
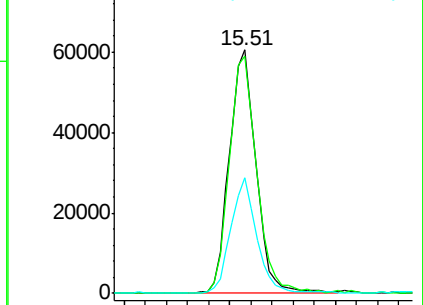
160 47.2 35.4 53.0



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: 259.251 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

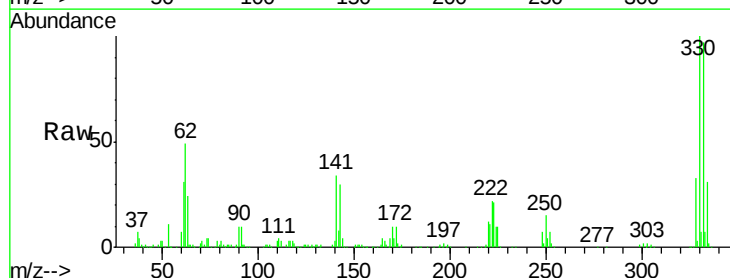
Tgt Ion:330 Resp: 288676

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

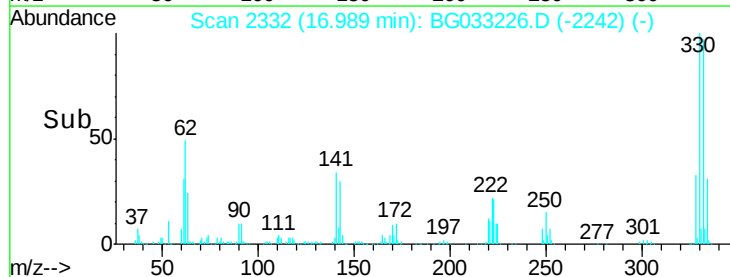
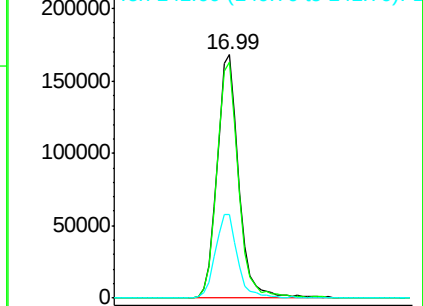
141 35.6 25.2 37.8

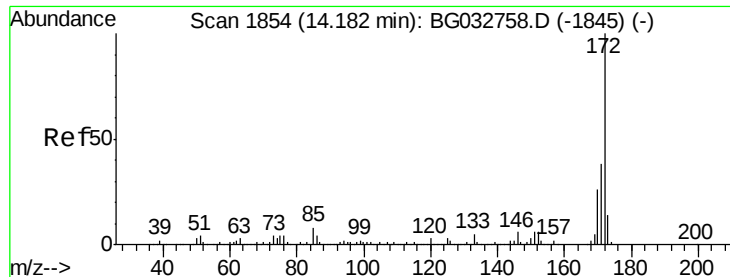


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

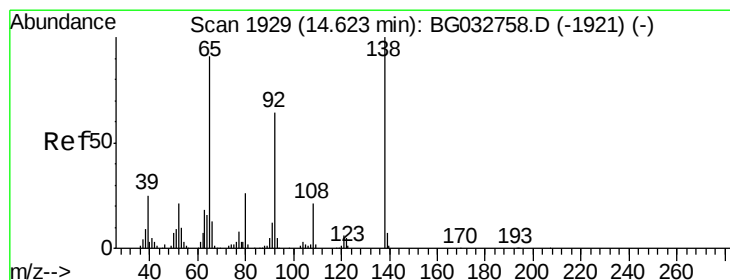
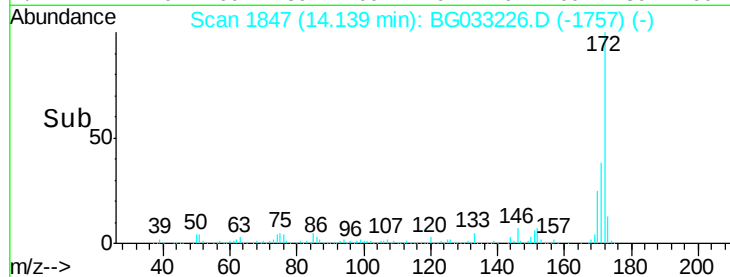
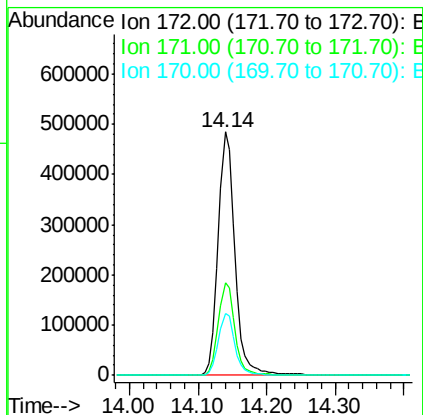
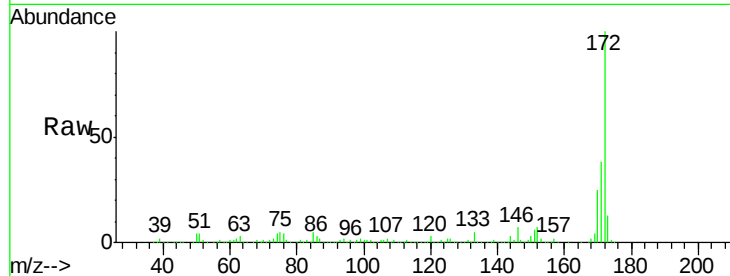




#44
2-Fluorobiphenyl
Concen: 112.001 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

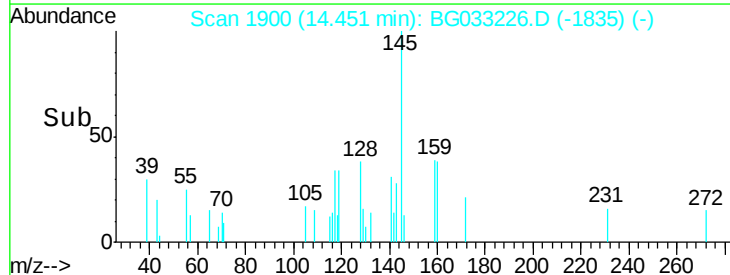
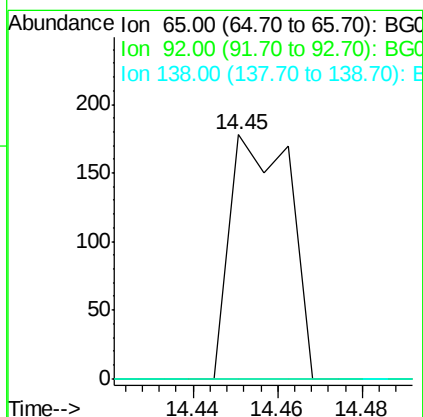
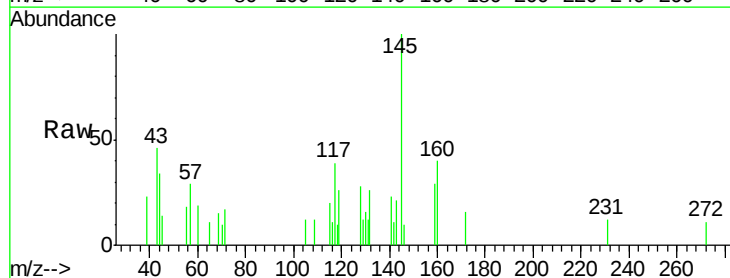
Instrument :
BNA_G
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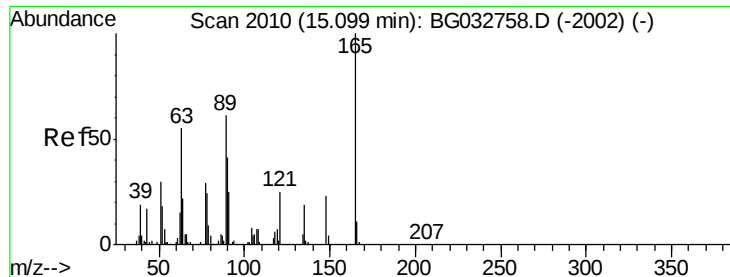
Tot Ion: 172 Resp: 822388
Ion Ratio Lower Upper
172 100
171 37.8 30.0 45.0
170 25.4 19.5 29.3



#47
2-Nitroaniline
Concen: 9.916 ng
RT: 14.45 min Scan# 1900
Delta R.T. -0.15 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Tgt Ion: 65 Resp: 176
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

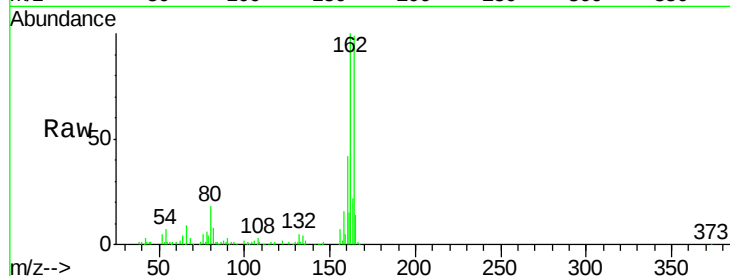




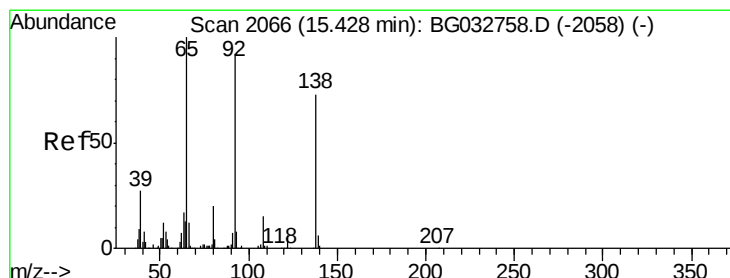
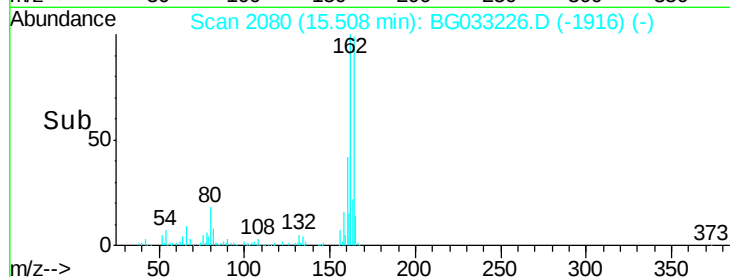
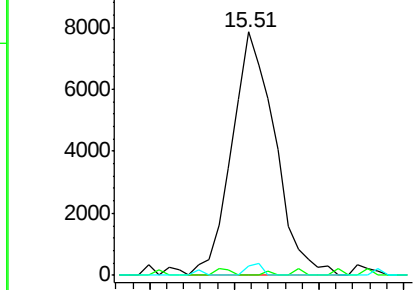
#50
 2,6-Dinitrotoluene
 Concen: 16.516 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.43 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

Instrument :
 BNA_G
 ClientSampleId :
 SP-1-5

Tot Ion:165 Resp: 13918
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.8 49.2 73.8#

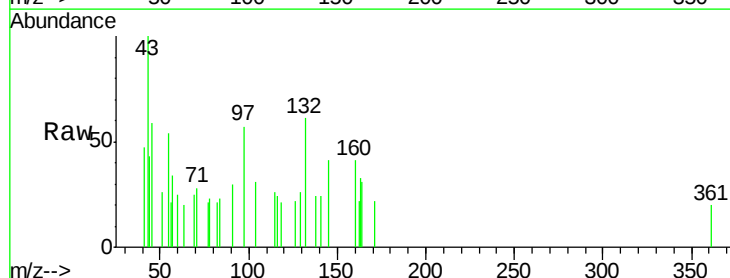


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

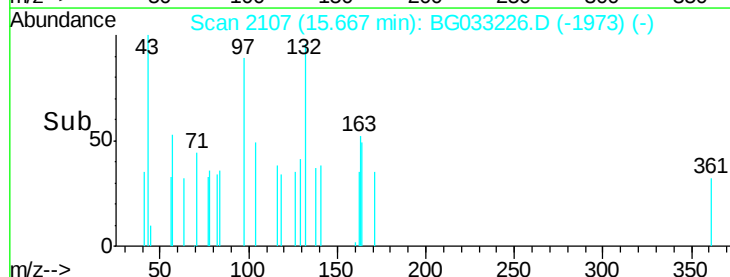
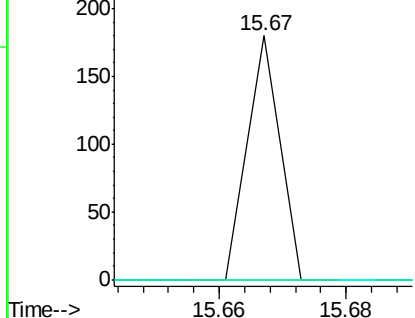


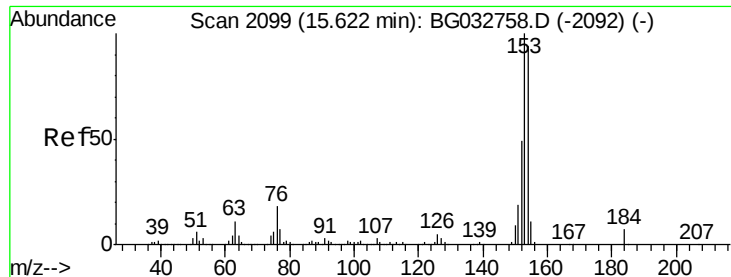
#52
 3-Nitroaniline
 Concen: 7.572 ng
 RT: 15.67 min Scan# 2107
 Delta R.T. 0.25 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

Tgt Ion:138 Resp: 63
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

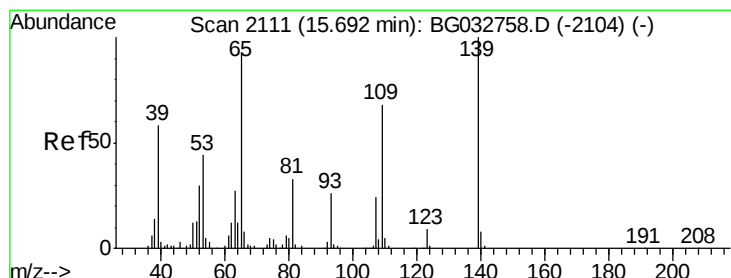
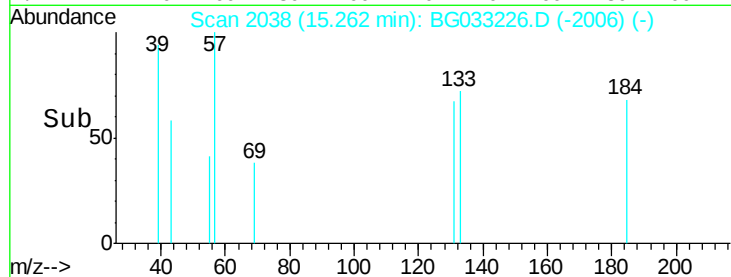
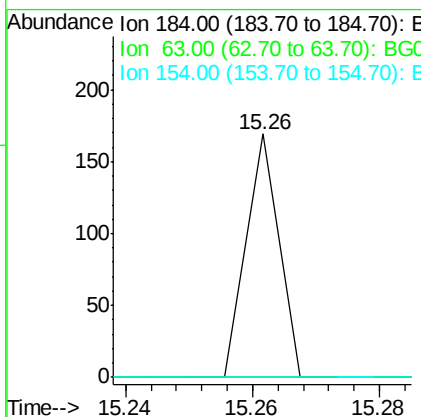
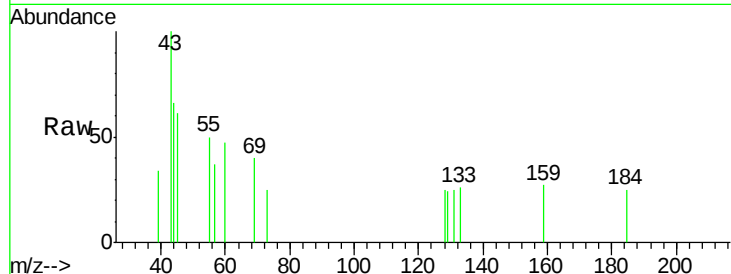




#53
 2,4-Dinitrophenol
 Concen: 3.572 ng
 RT: 15.26 min Scan# 2038
 Delta R.T. -0.34 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

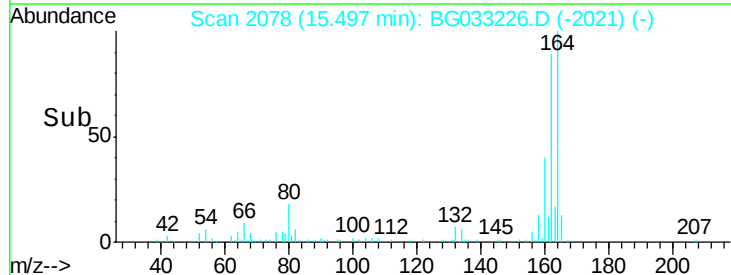
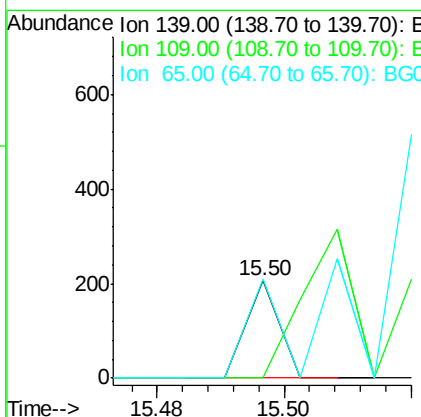
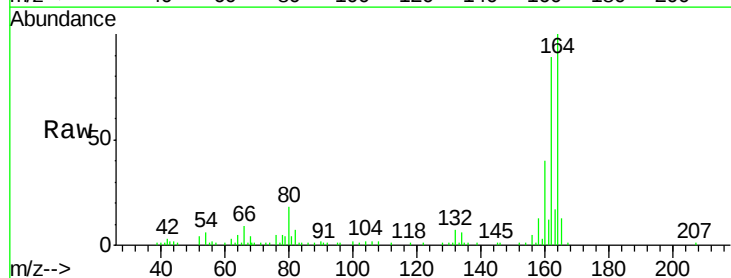
Instrument :
 BNA_G
 ClientSampleId :
 SP-1-5

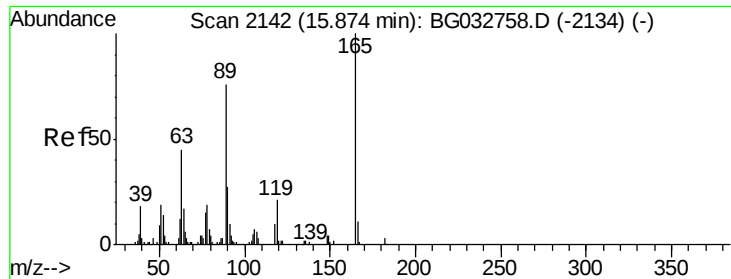
Tot Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#55
 4-Nitrophenol
 Concen: 7.126 ng
 RT: 15.50 min Scan# 2078
 Delta R.T. -0.20 min
 Lab File: BG033226.D
 Acq: 17 Mar 2018 10:00

Tgt Ion:139 Resp: 73
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 101.5 97.2 137.2

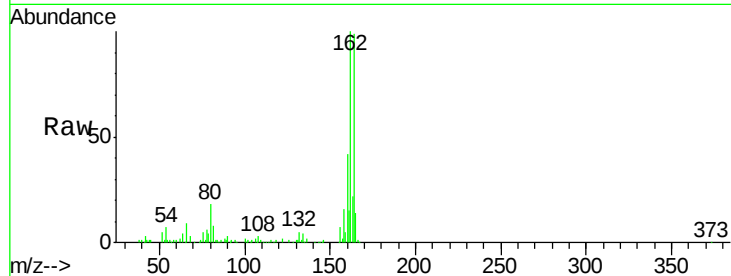




#56
2,4-Dinitrotoluene
Concen: 14.715 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Instrument :
BNA_G
ClientSampleId :
SP-1-5

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

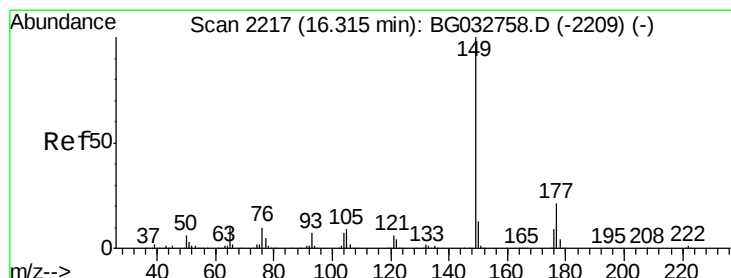
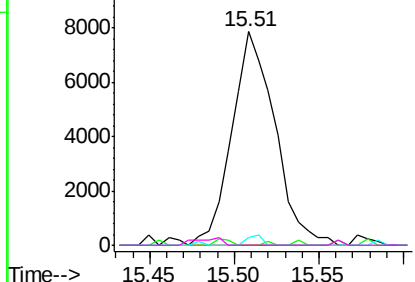
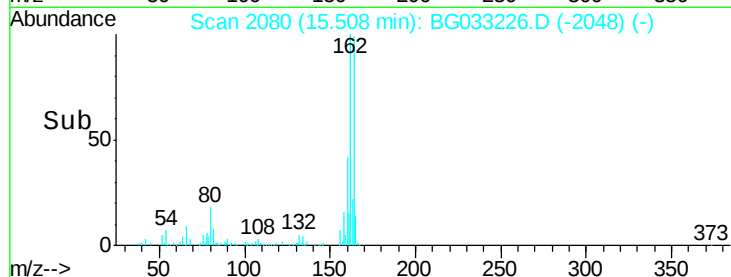


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

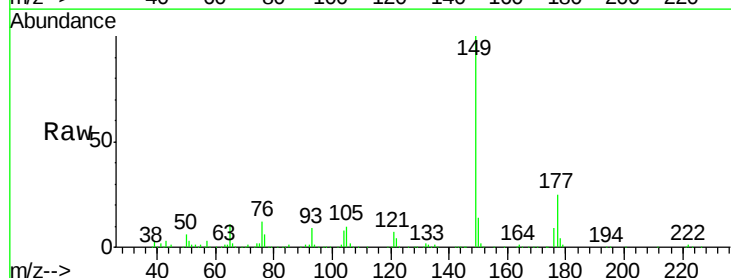
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 23.264 ng
RT: 16.27 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

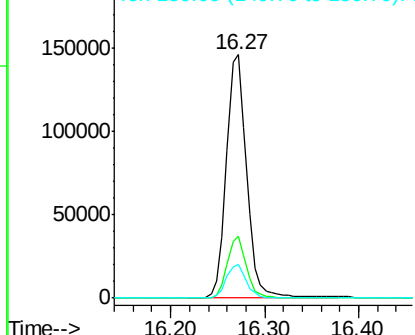
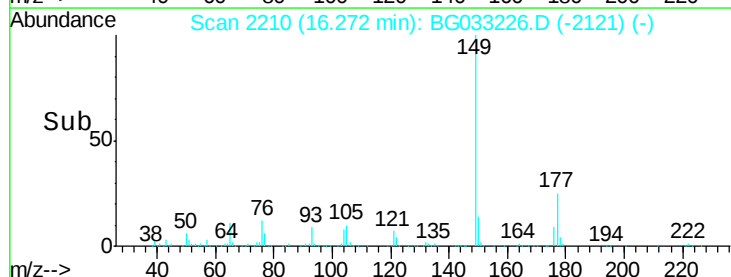
Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.3	18.5	27.7
150	13.8	10.2	15.2

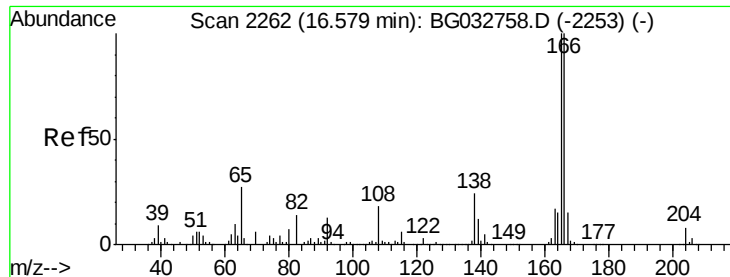


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

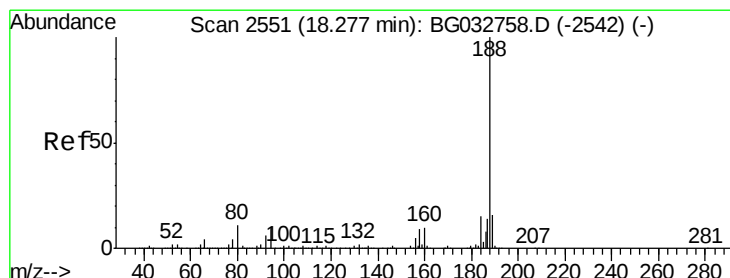
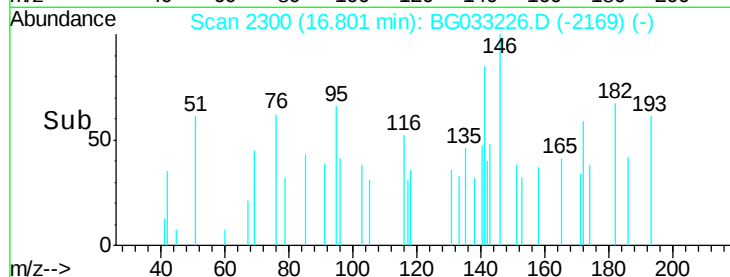
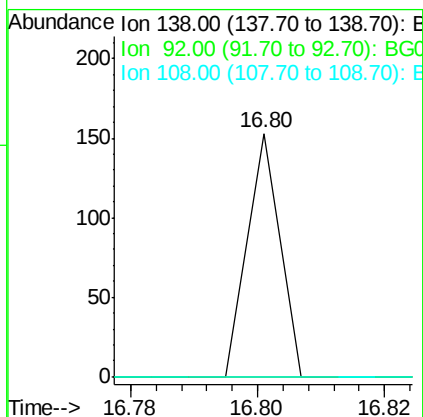
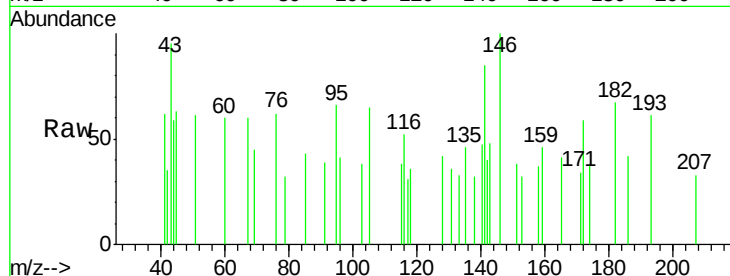




#61
4-Nitroaniline
Concen: 5.324 ng
RT: 16.80 min Scan# 2300
Delta R.T. 0.24 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

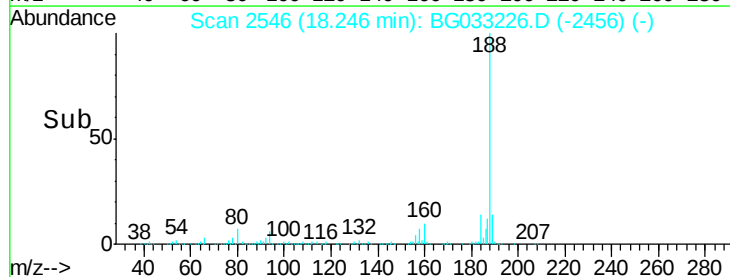
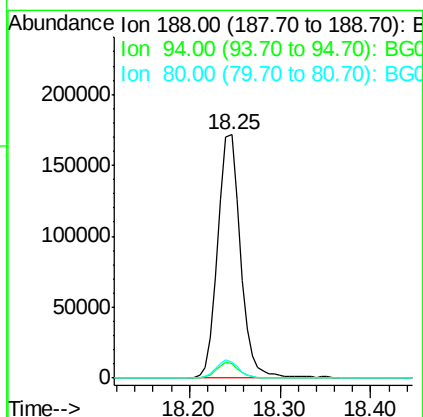
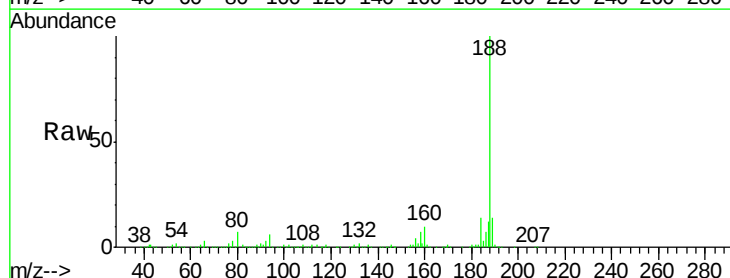
Instrument :
BNA_G
ClientSampleId :
SP-1-5

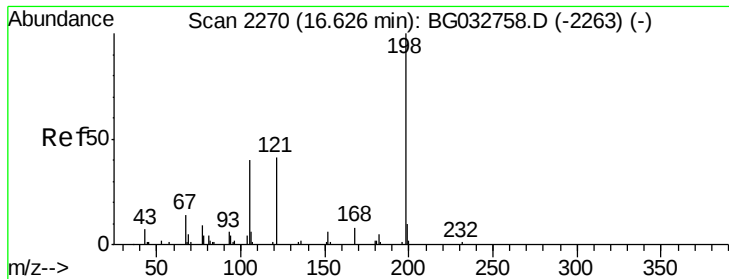
Tot Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033226.D
Acq: 17 Mar 2018 10:00

Tgt Ion:188 Resp: 299293
Ion Ratio Lower Upper
188 100
94 5.7 6.9 10.3#
80 6.6 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.031 ng

RT: 16.82 min Scan# 2304

Delta R.T. 0.21 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

SP-1-5

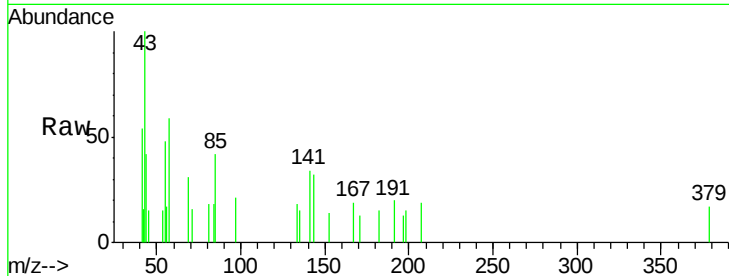
Tot Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

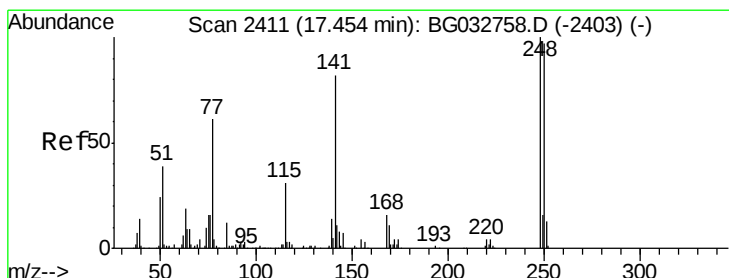
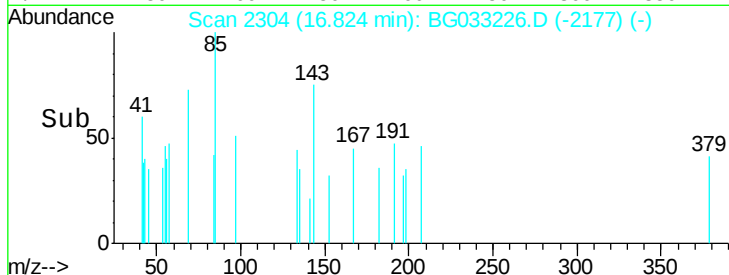
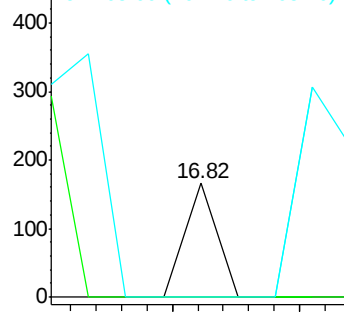
105 0.0 23.8 63.8#



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: 6.683 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.44 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

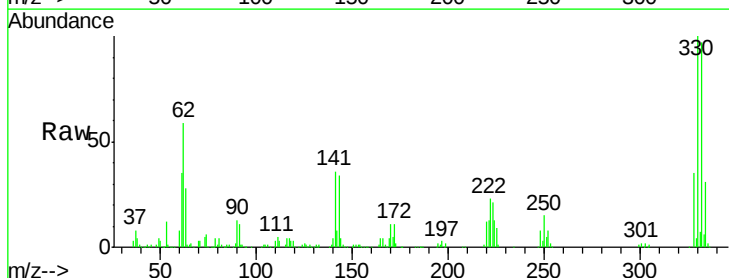
Tgt Ion:248 Resp: 21149

Ion Ratio Lower Upper

248 100

250 183.8 77.1 115.7#

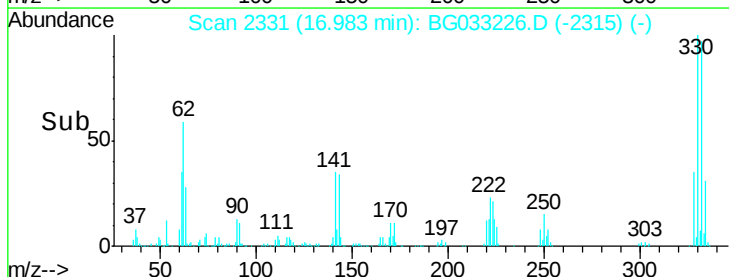
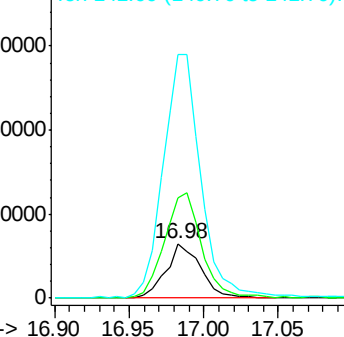
141 445.0 50.8 76.2#

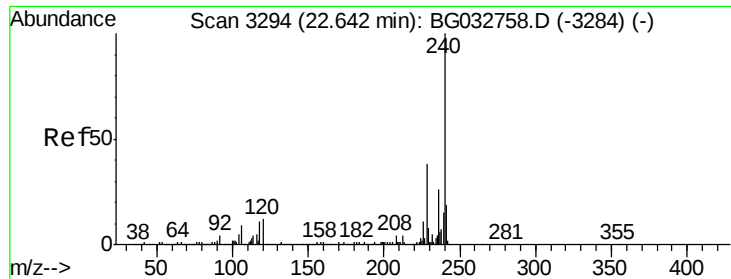


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3287

Delta R.T. -0.01 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

SP-1-5

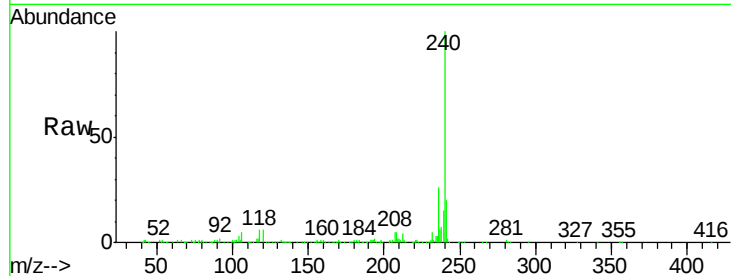
Tot Ion:240 Resp: 313931

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

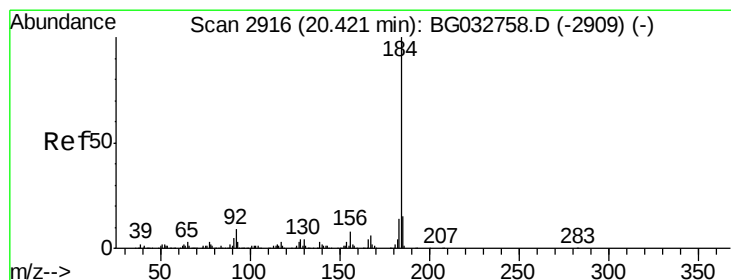
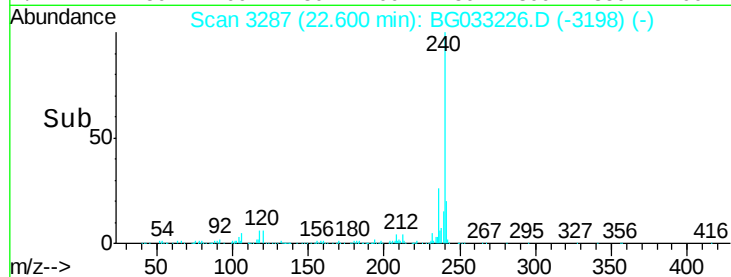
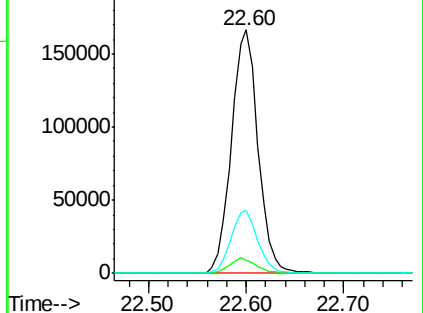
236 26.1 20.9 31.3



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: 2.598 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

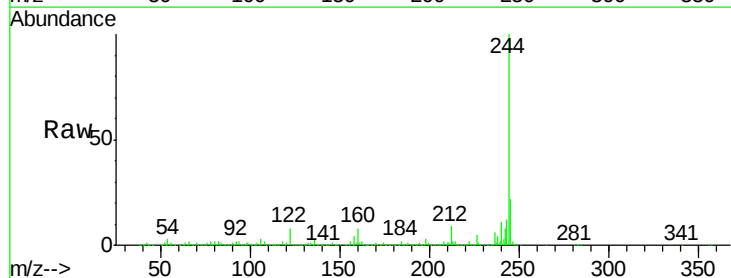
Tgt Ion:184 Resp: 27804

Ion Ratio Lower Upper

184 100

185 21.4 11.1 16.7#

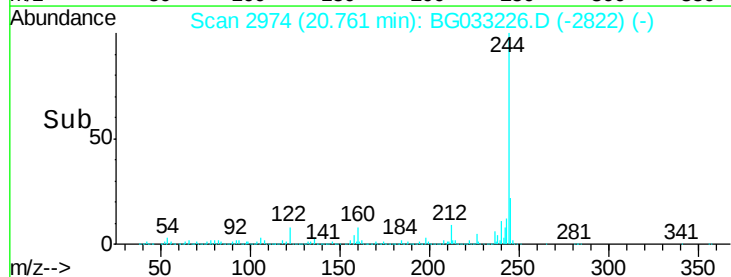
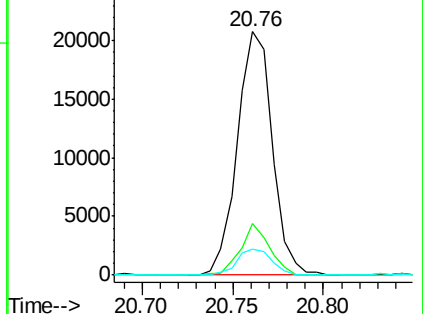
183 10.4 10.6 16.0#

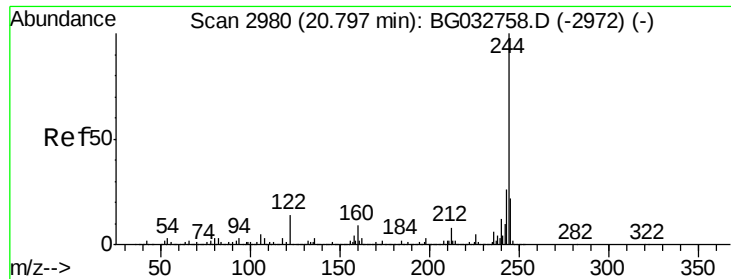


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 117.308 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

SP-1-5

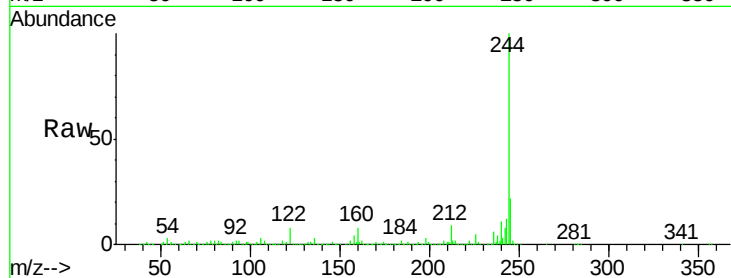
Tot Ion:244 Resp: 1639125

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

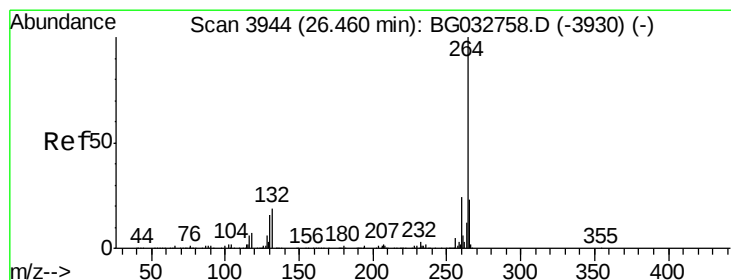
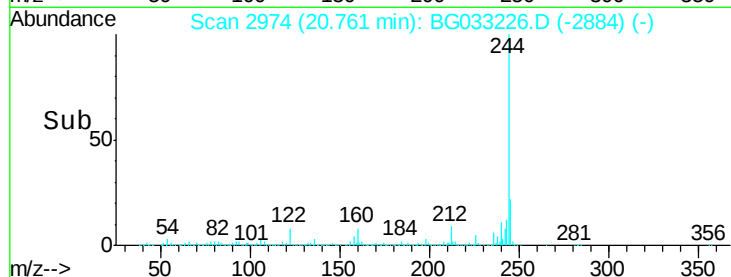
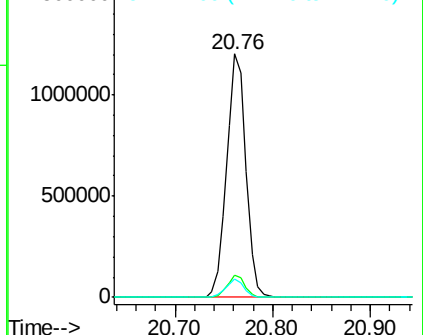
122 7.6 7.0 10.4



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: 26.39 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BG033226.D

Acq: 17 Mar 2018 10:00

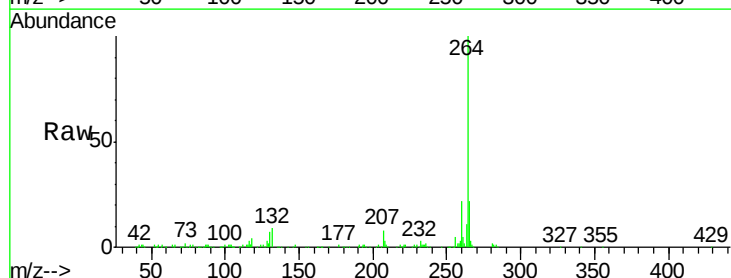
Tgt Ion:264 Resp: 335645

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 22.2 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

