

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033135.D
 Acq On : 14 Mar 2018 4:06
 Operator : SJ/JU
 Sample : J1885-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 11:48:32 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	45731	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	205038	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	103413	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	225157	20.00	ng	0.00
75) Chrysene-d12	22.61	240	215871	20.00	ng	0.00
86) Perylene-d12	26.41	264	232982	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	410580	143.64	ng	0.01
7) Phenol-d6	8.02	99	474331	119.05	ng	0.01
23) Nitrobenzene-d5	10.11	82	371328	120.93	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	163615	150.47	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	763395	106.47	ng	0.00
78) Terphenyl-d14	20.77	244	1033911	107.61	ng	0.00

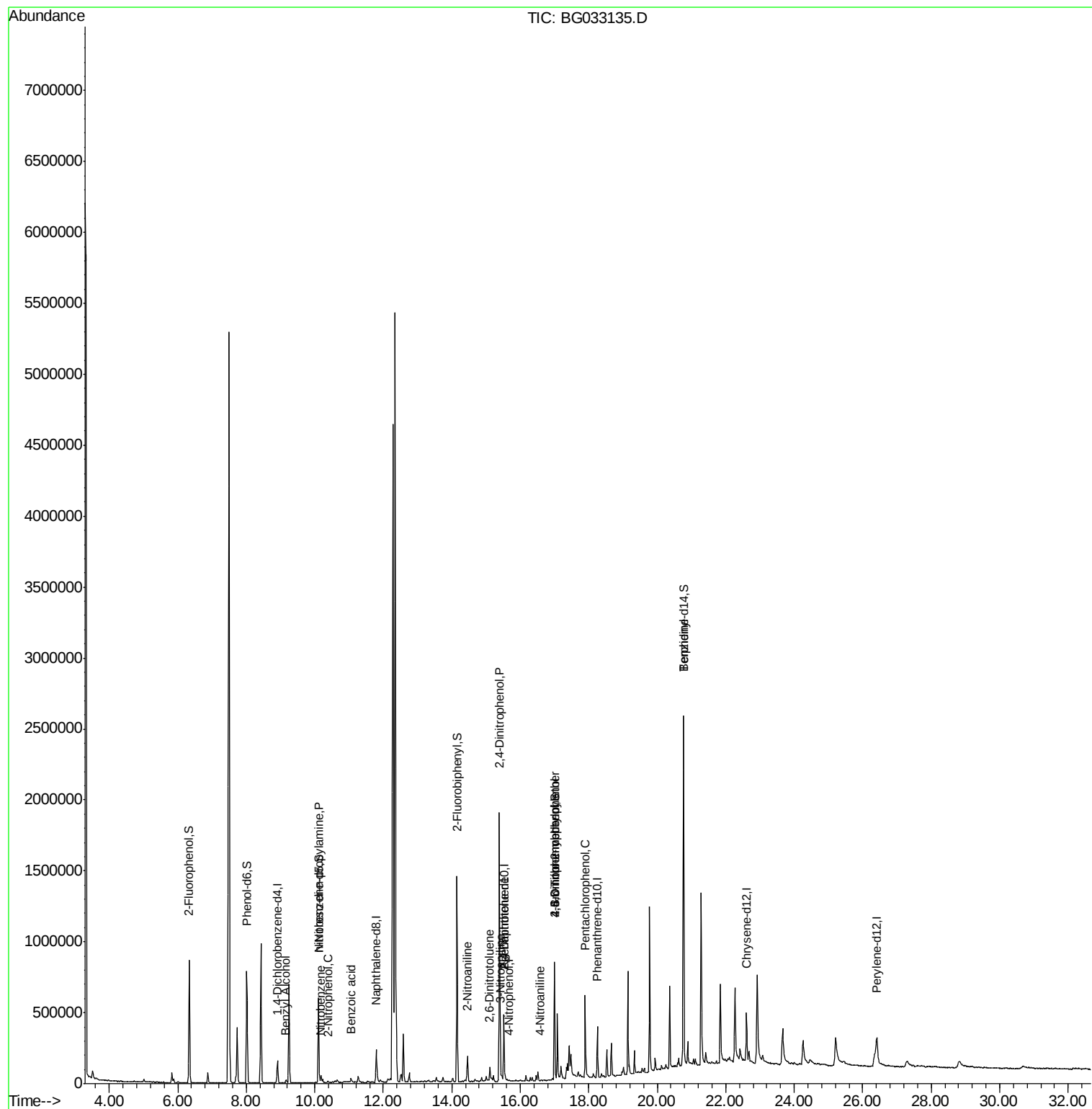
Target Compounds				Qvalue		
15) Benzyl Alcohol	9.17	79	9245	3.156	ng	95
19) n-Nitroso-di-n-propylamine	10.11	70	50573	17.980	ng	# 82
24) Nitrobenzene	10.16	77	205	6.435	ng	# 42
26) 2-Nitrophenol	10.38	139	60	5.490	ng	# 29
32) Benzoic acid	11.07	122	13576	13.770	ng	# 82
47) 2-Nitroaniline	14.46	65	498	10.068	ng	# 9
50) 2,6-Dinitrotoluene	15.11	165	1053	9.488	ng	# 18
52) 3-Nitroaniline	15.42	138	57	7.570	ng	# 1
53) 2,4-Dinitrophenol	15.40	184	5193	18.185	ng	# 8
55) 4-Nitrophenol	15.66	139	53	7.114	ng	# 64
56) 2,4-Dinitrotoluene	15.52	165	13462	14.642	ng	# 40
61) 4-Nitroaniline	16.59	138	141	5.366	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.00	198	371	5.649	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	10978	4.611	ng	# 1
69) Pentachlorophenol	17.90	266	3345	2.064	ng	# 86
76) Benzidine	20.77	184	19018	2.585	ng	# 89

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

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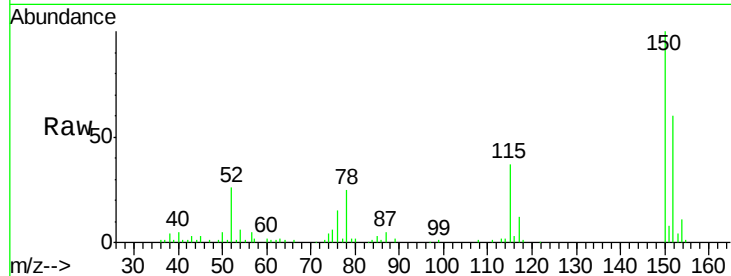


#1

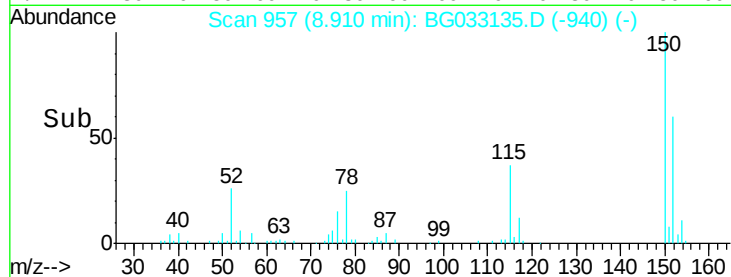
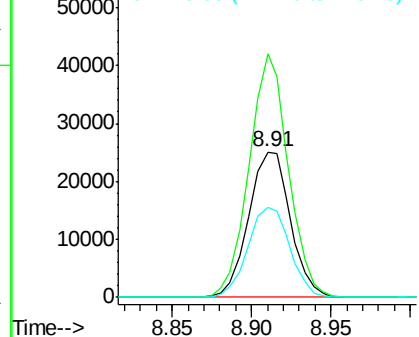
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45731
Ion Ratio Lower Upper
152 100
150 167.4 126.6 189.8
115 62.2 53.0 79.4



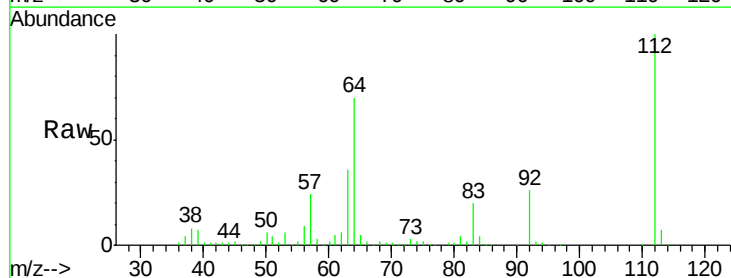
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



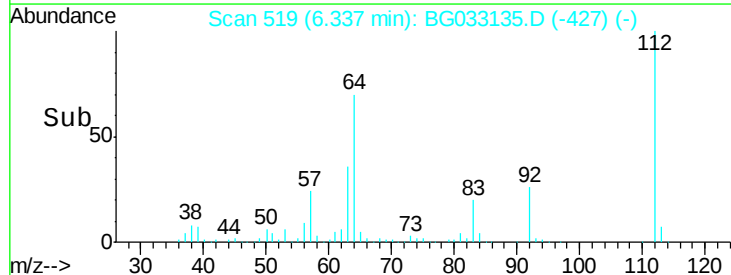
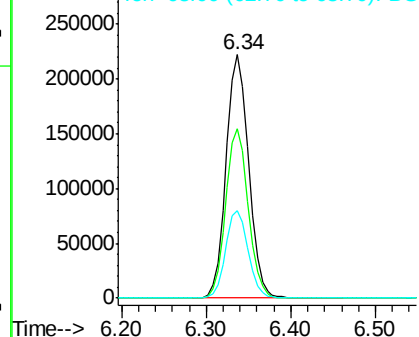
#5

2-Fluorophenol
Concen: 143.637 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Tgt Ion:112 Resp: 410580
Ion Ratio Lower Upper
112 100
64 69.8 56.3 84.5
63 36.0 30.1 45.1



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





#7

Phenol-d6

Concen: 119.051 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

Instrument :

BNA_G

ClientSampleId :

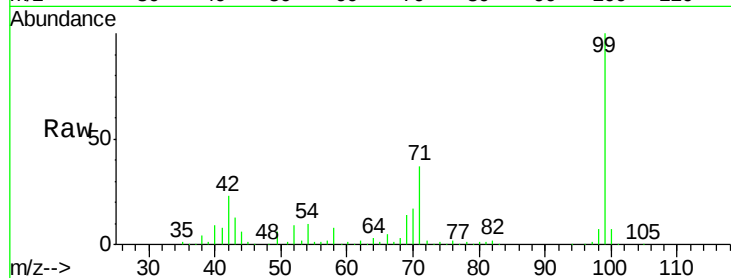
Tot Ion: 99 Resp: 474331

Ion Ratio Lower Upper

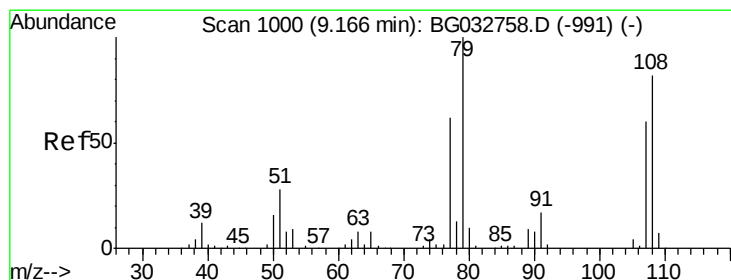
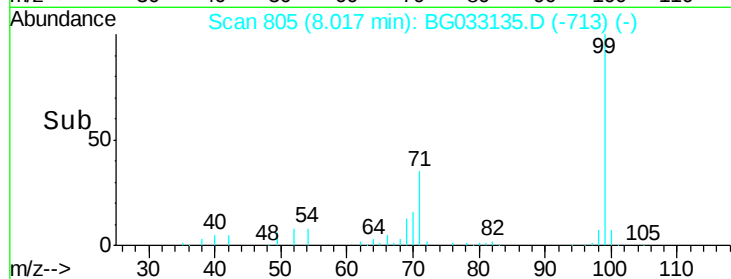
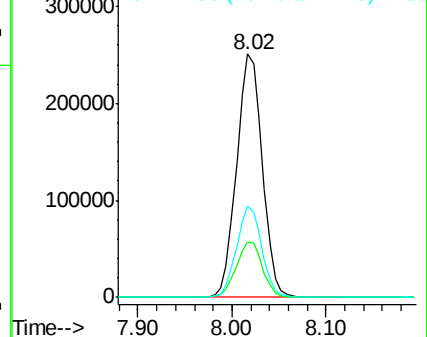
99 100

42 23.0 14.1 21.1#

71 37.3 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: 3.156 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.02 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

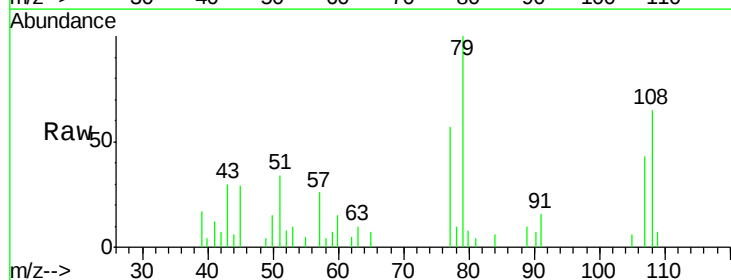
Tgt Ion: 79 Resp: 9245

Ion Ratio Lower Upper

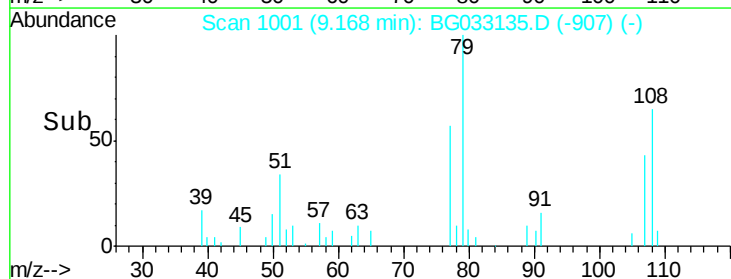
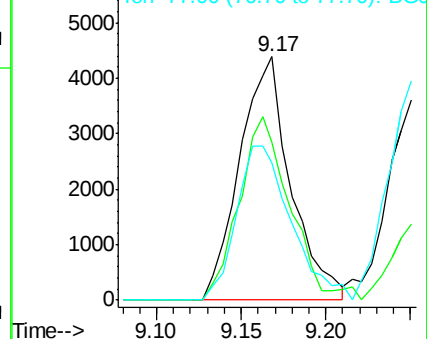
79 100

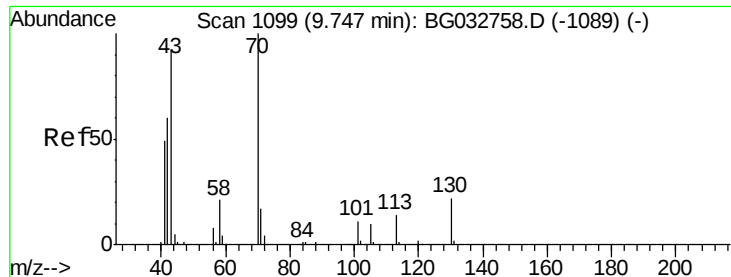
108 65.1 57.2 85.8

77 56.6 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

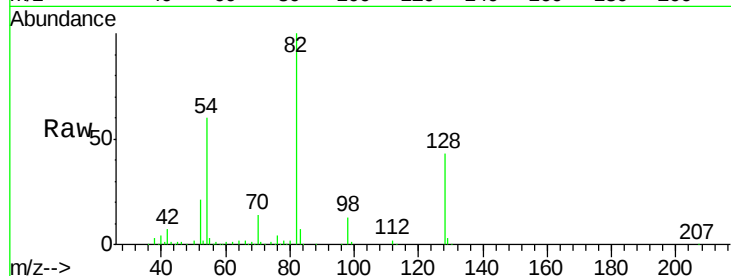




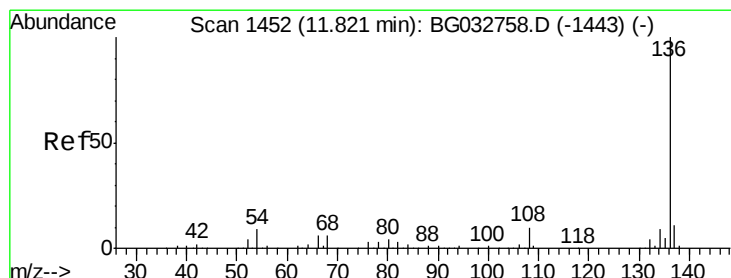
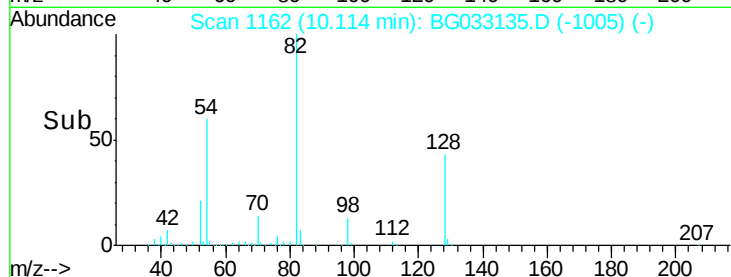
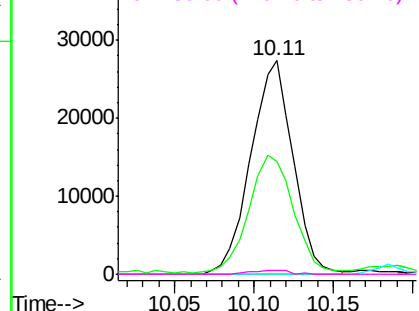
#19
n-Nitroso-di-n-propylamine
Concen: 17.980 ng
RT: 10.11 min Scan# 1162
Delta R.T. 0.39 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 50573
Ion Ratio Lower Upper
70 100
42 52.8 49.1 73.7
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#

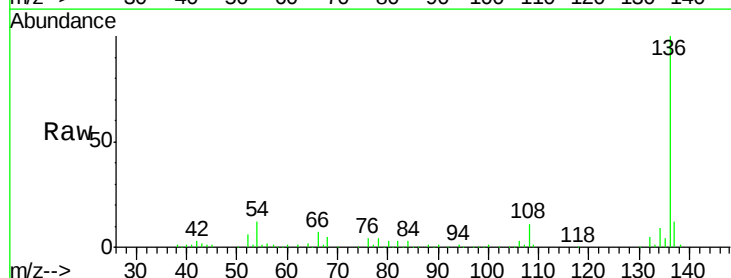


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

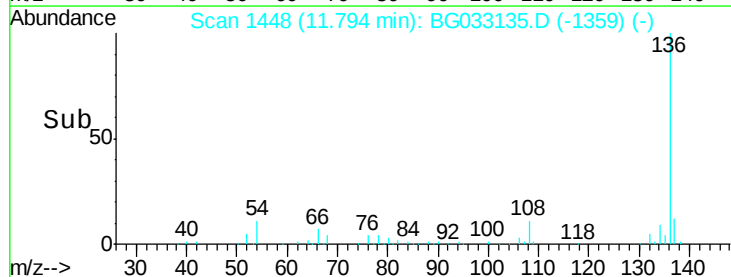
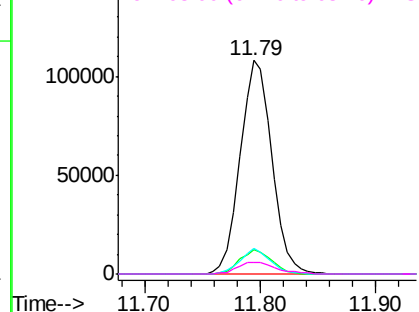


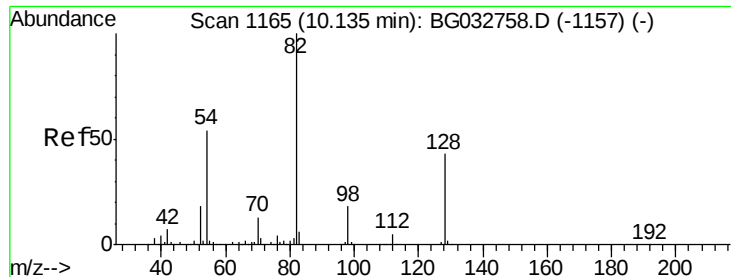
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Tgt Ion:136 Resp: 205038
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 11.7 10.3 15.5
68 5.3 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

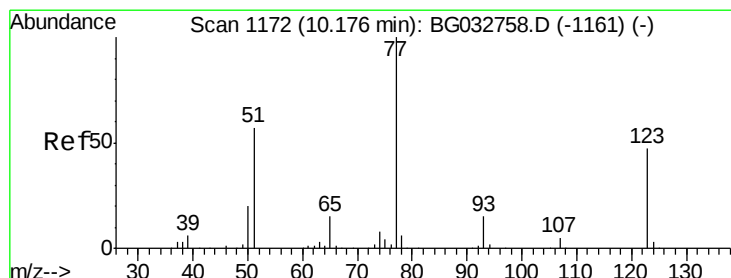
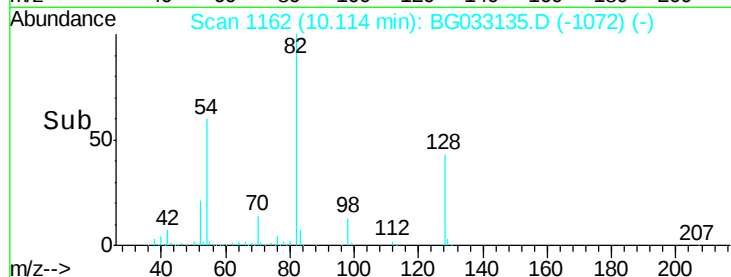
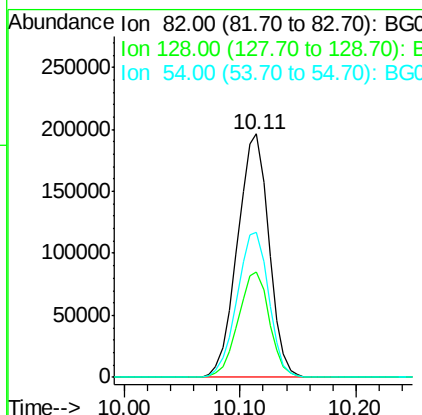
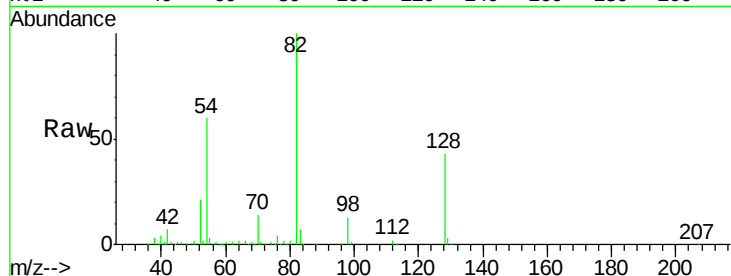




#23
 Nitrobenzene-d5
 Concen: 120.932 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

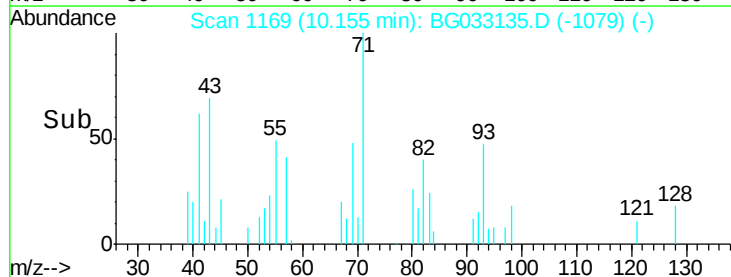
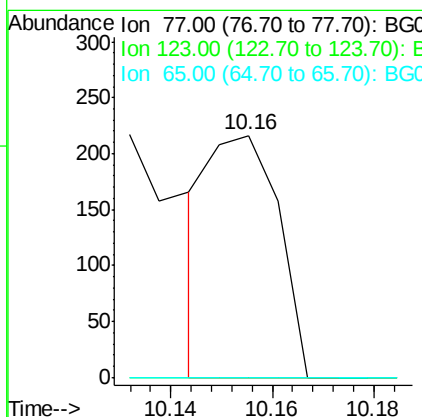
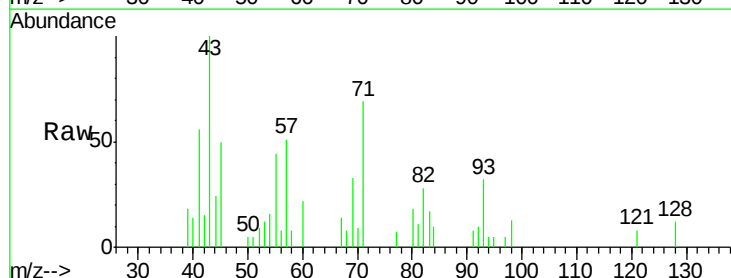
Instrument :
 BNA_G
 ClientSampleId :

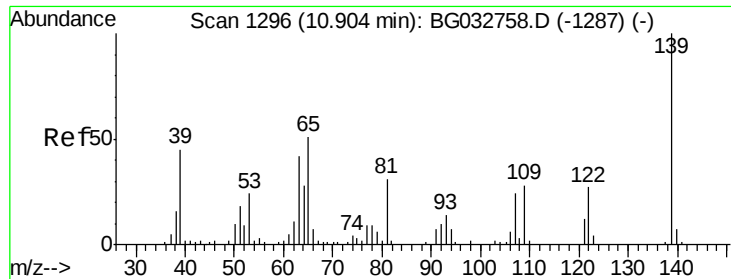
Tot Ion	82	Resp	371328
Ion Ratio	100	Lower	Upper
128	43.2	29.7	44.5
54	59.7	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.435 ng
 RT: 10.16 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Tgt Ion	77	Resp	205
Ion Ratio	100	Lower	Upper
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#

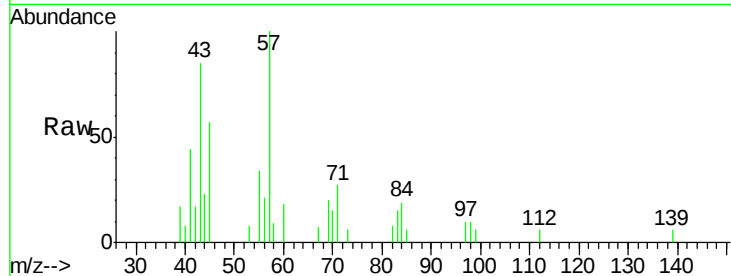




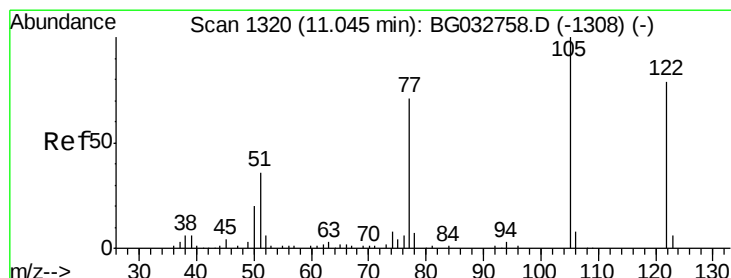
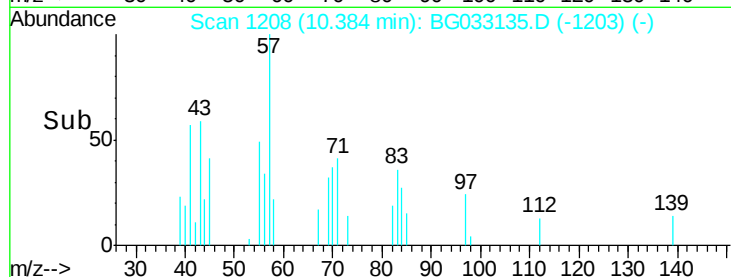
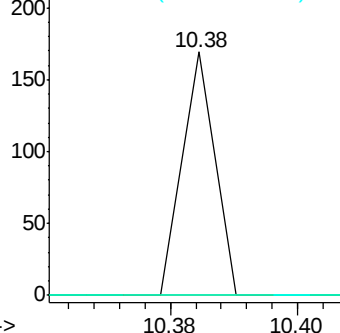
#26
 2-Nitrophenol
 Concen: 5.490 ng
 RT: 10.38 min Scan# 1208
 Delta R.T. -0.50 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:139 Resp: 60
 Ion Ratio Lower Upper
 139 100
 109 0.0 24.2 36.2#
 65 0.0 47.4 71.0#

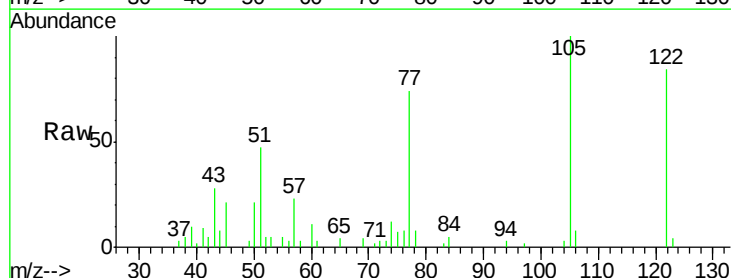


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

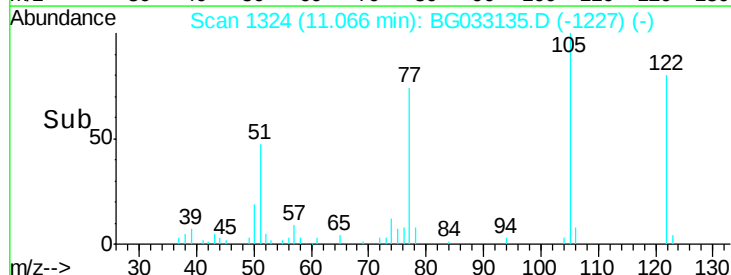
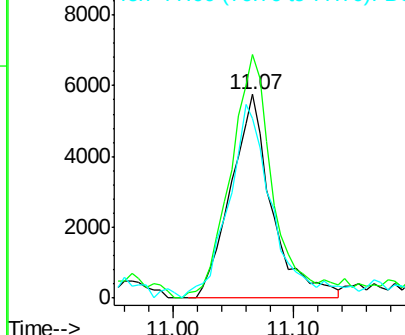


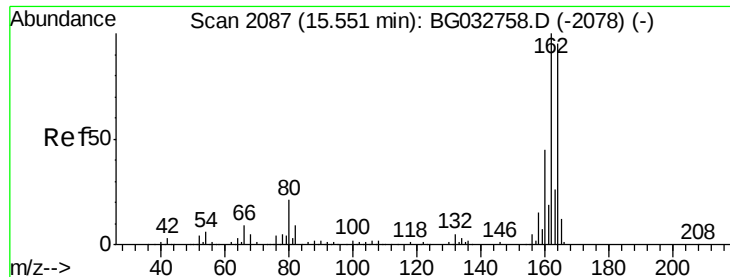
#32
 Benzoic acid
 Concen: 13.770 ng
 RT: 11.07 min Scan# 1324
 Delta R.T. 0.04 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Tgt Ion:122 Resp: 13576
 Ion Ratio Lower Upper
 122 100
 105 119.6 123.5 163.5#
 77 88.5 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 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. -0.01 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

Instrument :

BNA_G

ClientSampleId :

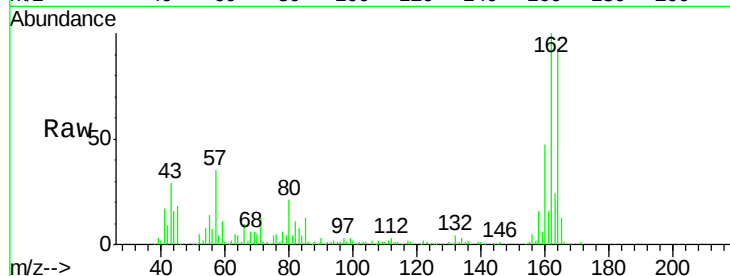
Tot Ion:164 Resp: 103413

Ion Ratio Lower Upper

164 100

162 107.9 78.8 118.2

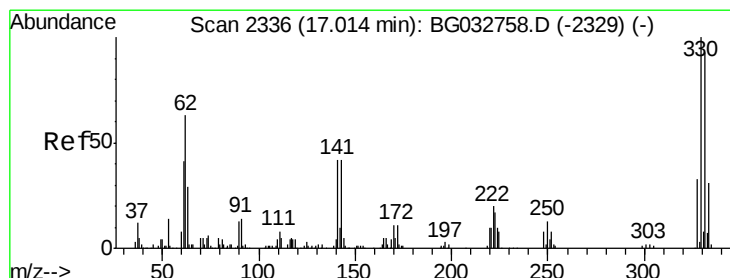
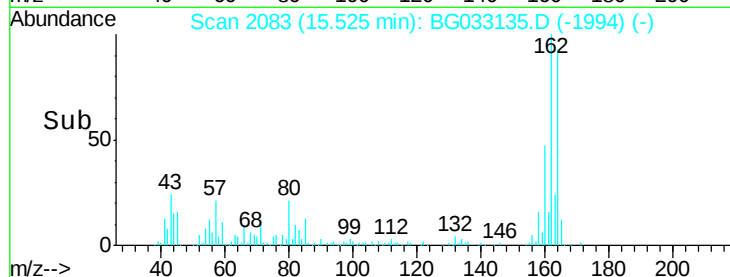
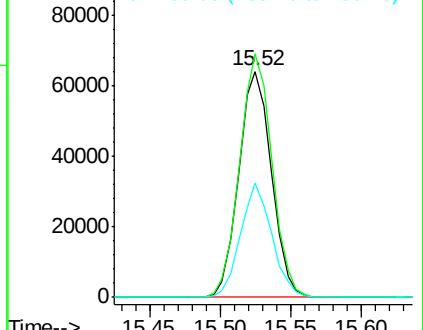
160 50.5 35.4 53.0



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: 150.471 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

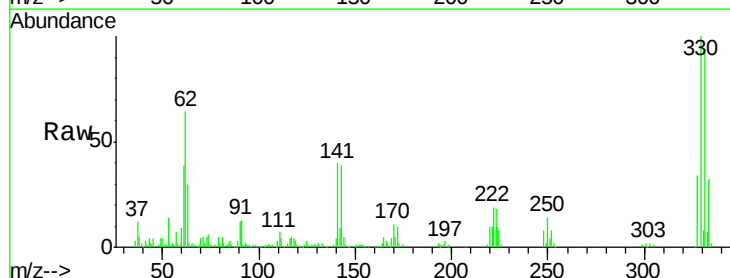
Tgt Ion:330 Resp: 163615

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

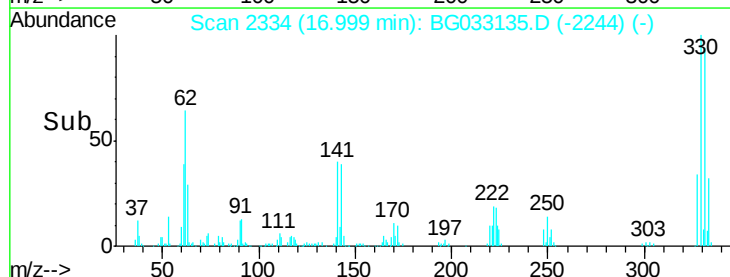
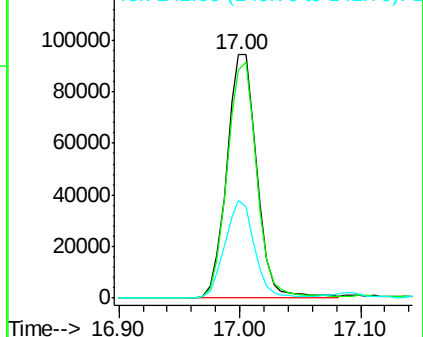
141 39.0 25.2 37.8#

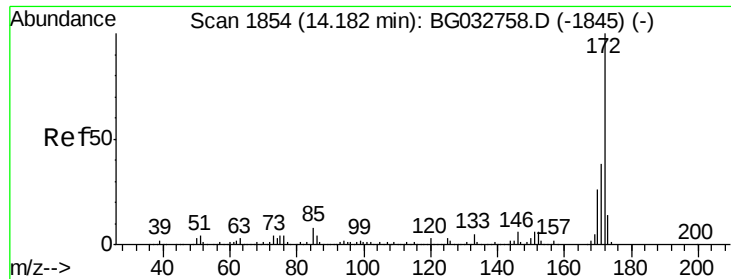


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

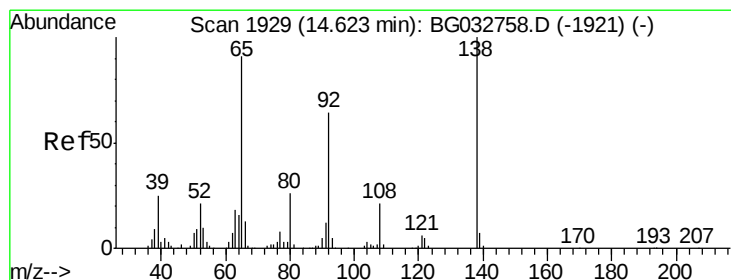
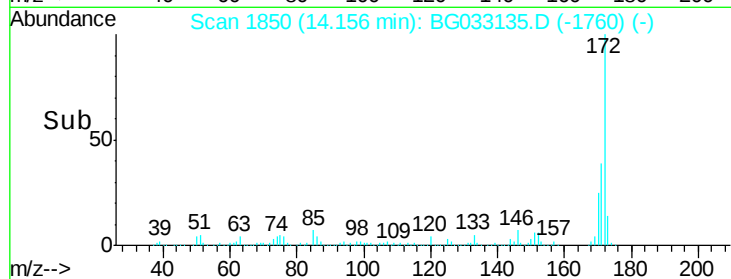
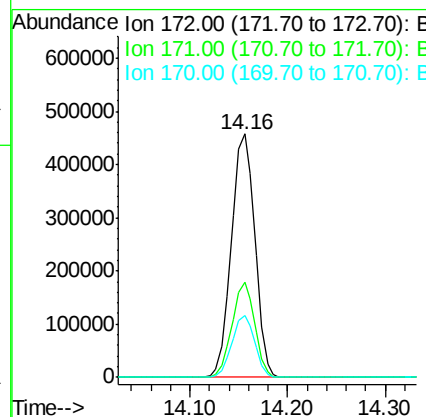
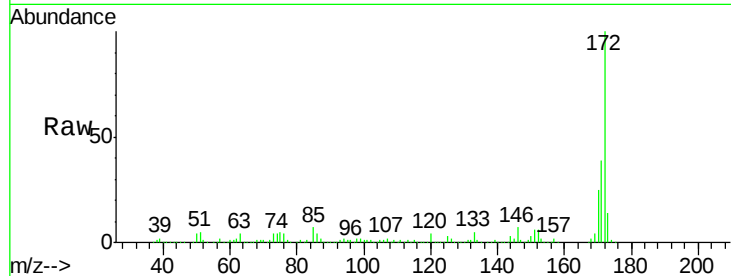




#44
2-Fluorobiphenyl
Concen: 106.467 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

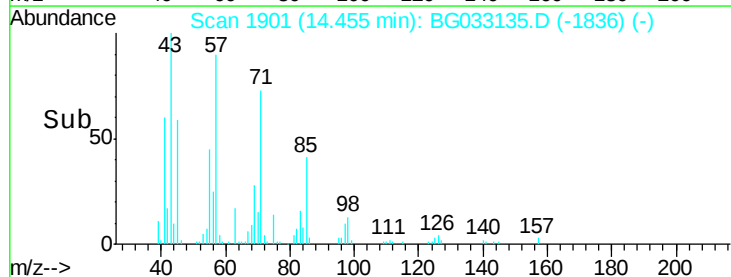
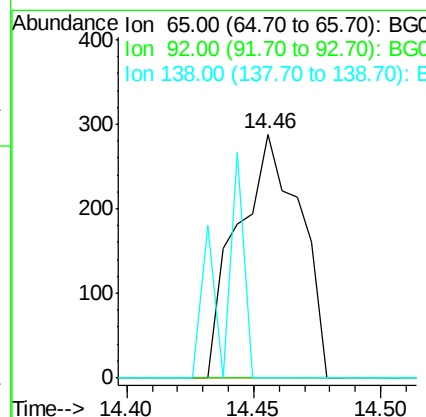
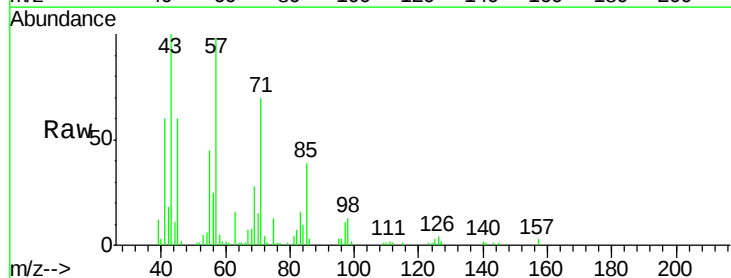
Instrument :
BNA_G
ClientSampled :

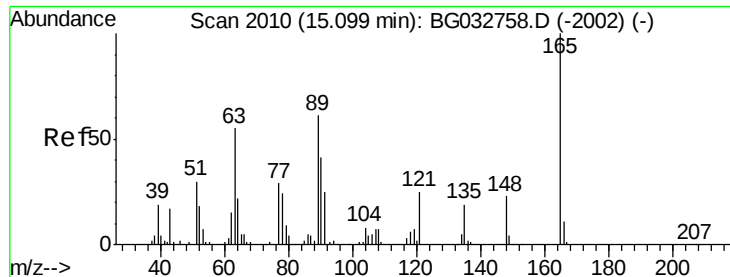
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.0	45.0
170	25.4	19.5	29.3



#47
2-Nitroaniline
Concen: 10.068 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.15 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

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

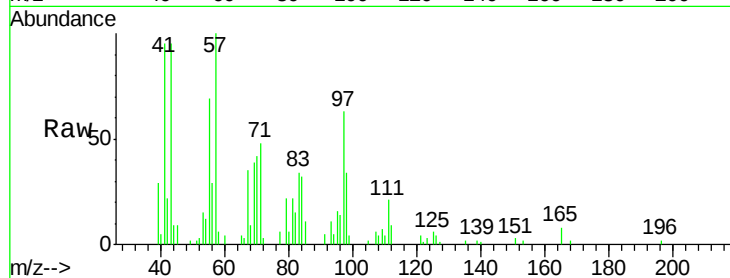




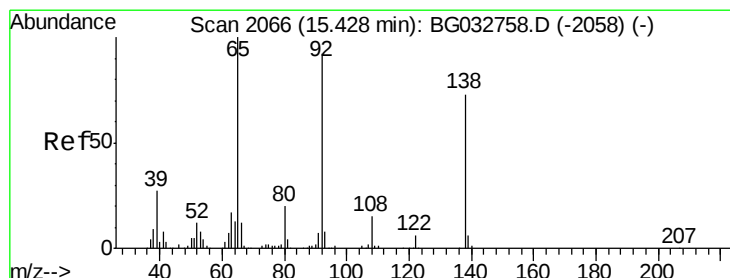
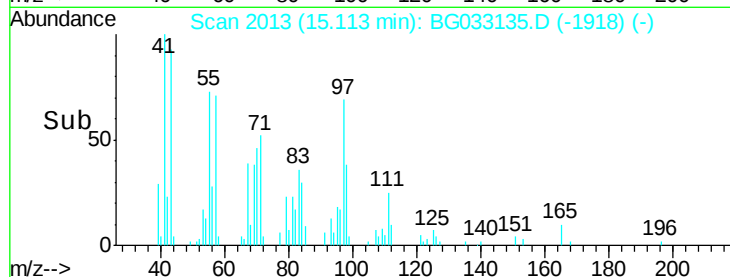
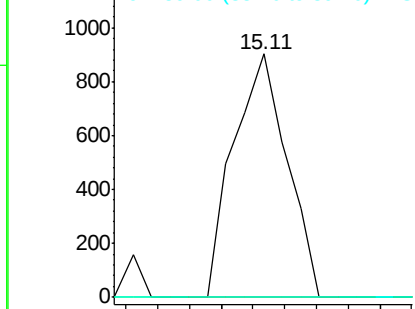
#50
 2,6-Dinitrotoluene
 Concen: 9.488 ng
 RT: 15.11 min Scan# 2013
 Delta R.T. 0.03 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 1053
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

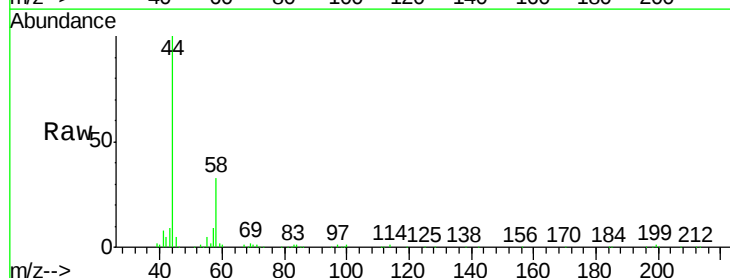


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

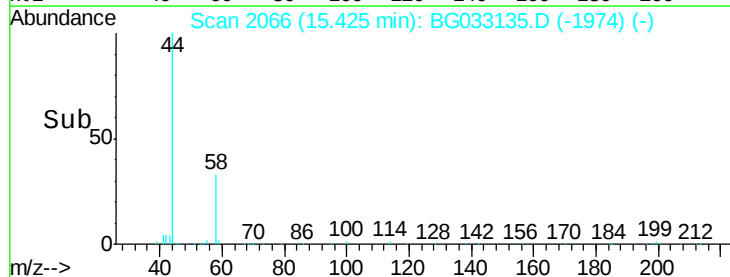
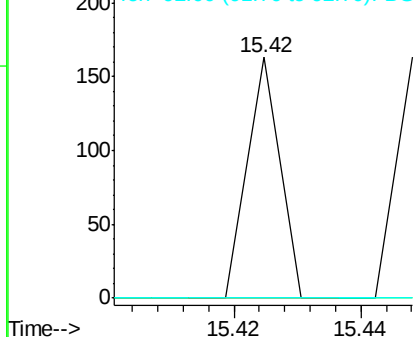


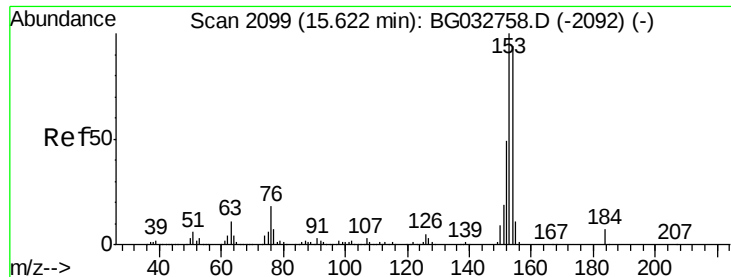
#52
 3-Nitroaniline
 Concen: 7.570 ng
 RT: 15.42 min Scan# 2066
 Delta R.T. 0.01 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Tgt Ion:138 Resp: 57
 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

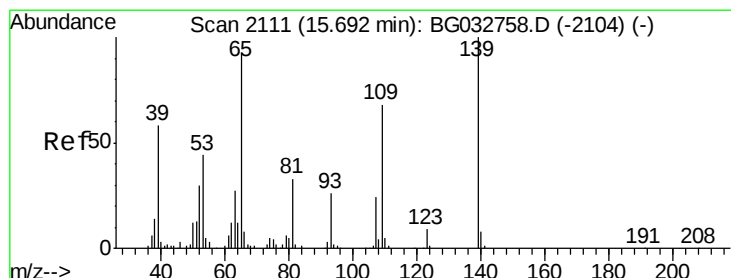
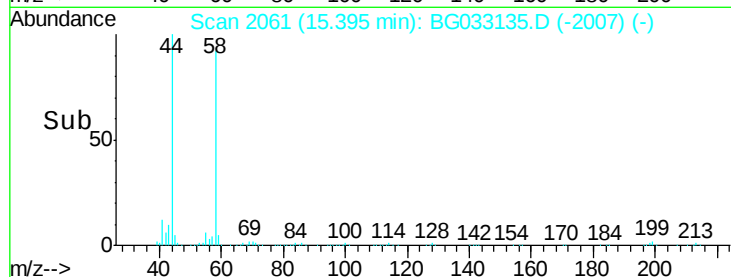
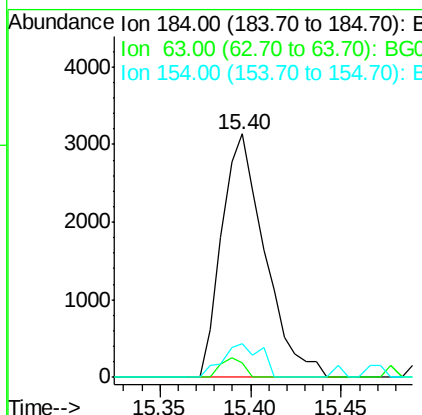
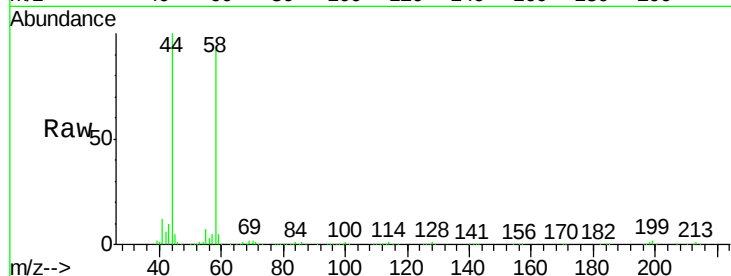




#53
 2,4-Dinitrophenol
 Concen: 18.185 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.21 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

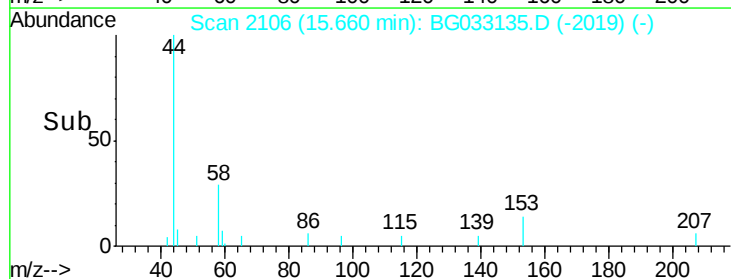
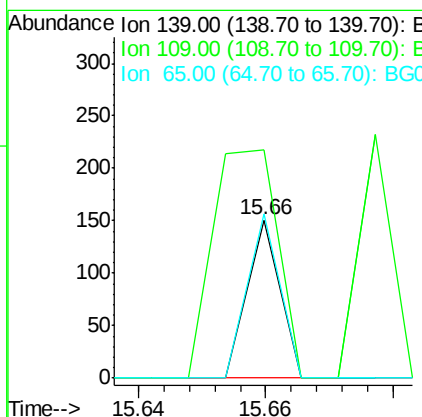
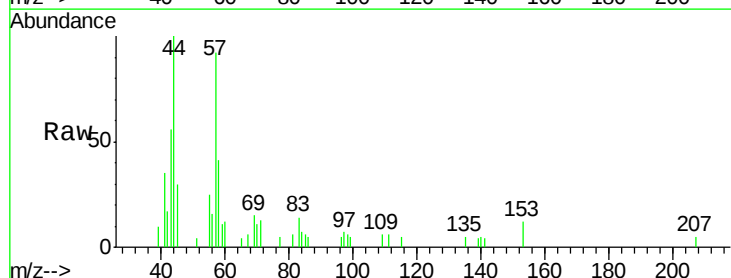
Instrument :
 BNA_G
 ClientSampleId :

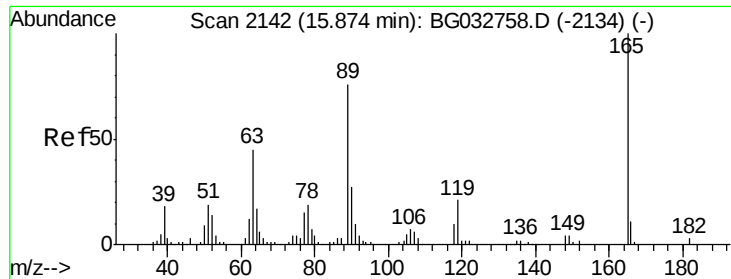
Tot Ion:184 Resp: 5193
 Ion Ratio Lower Upper
 184 100
 63 5.7 59.8 89.8#
 154 13.8 101.8 152.8#



#55
 4-Nitrophenol
 Concen: 7.114 ng
 RT: 15.66 min Scan# 2106
 Delta R.T. -0.02 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Tgt Ion:139 Resp: 53
 Ion Ratio Lower Upper
 139 100
 109 144.4 62.2 102.2#
 65 104.0 97.2 137.2

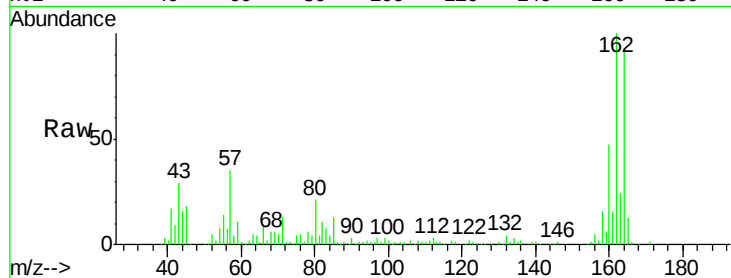




#56
 2,4-Dinitrotoluene
 Concen: 14.642 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	42.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#

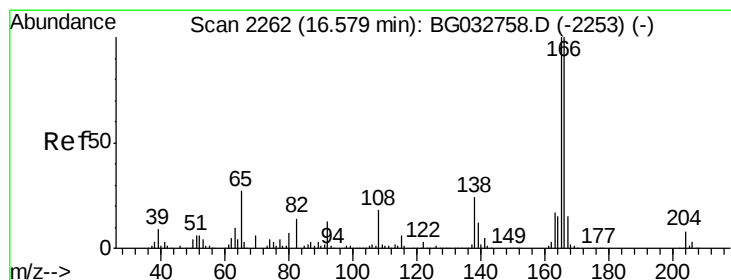
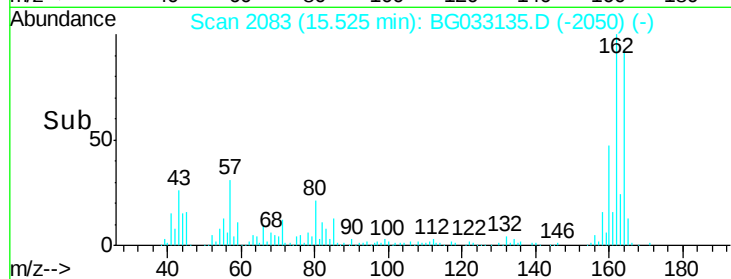
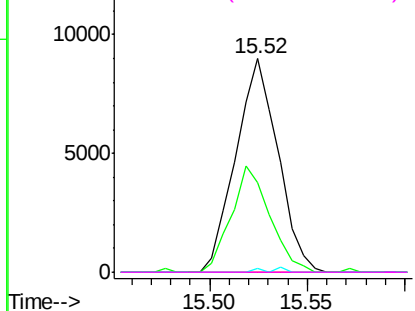


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

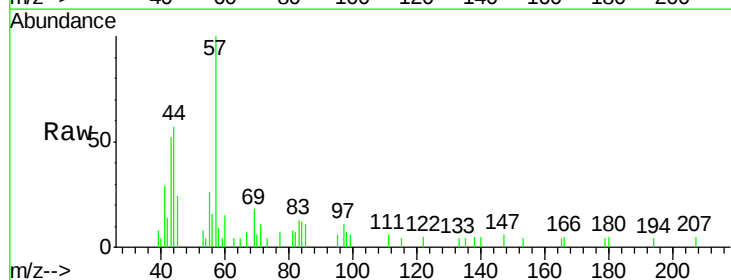
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61
 4-Nitroaniline
 Concen: 5.366 ng
 RT: 16.59 min Scan# 2265
 Delta R.T. 0.03 min
 Lab File: BG033135.D
 Acq: 14 Mar 2018 4:06

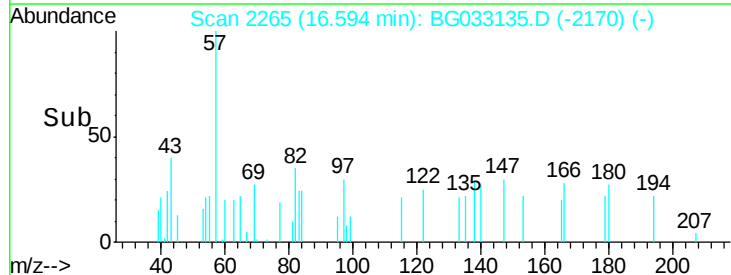
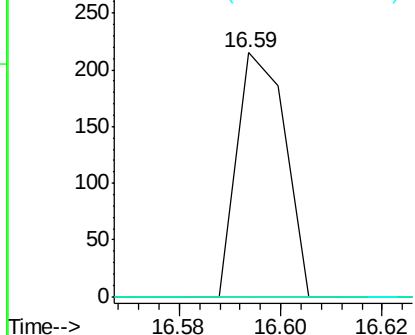
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	40.1	80.1#
108	0.0	65.4	105.4#

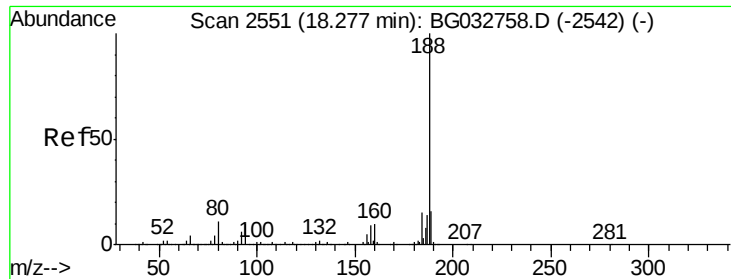


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

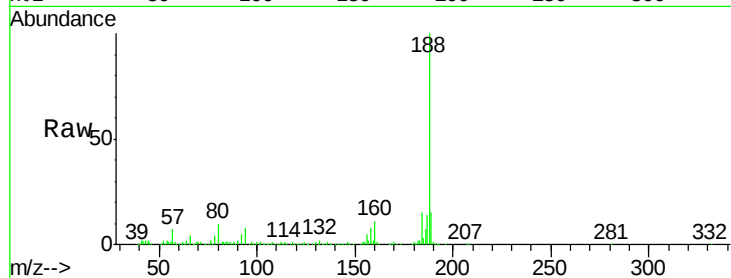




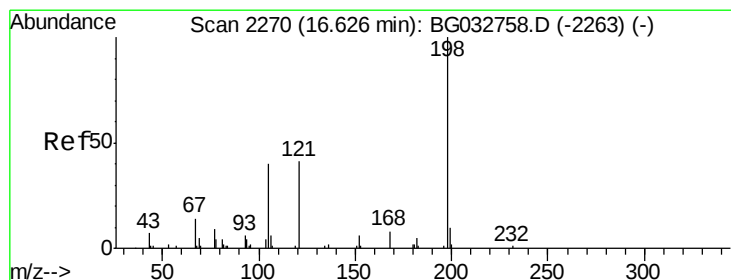
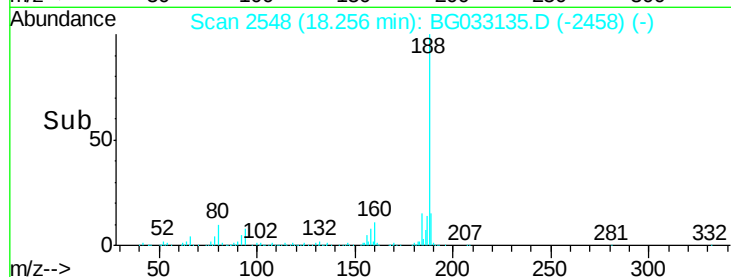
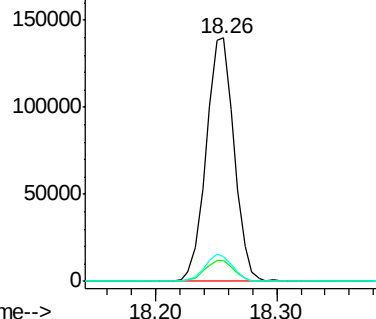
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 225157
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.2 7.7 11.5

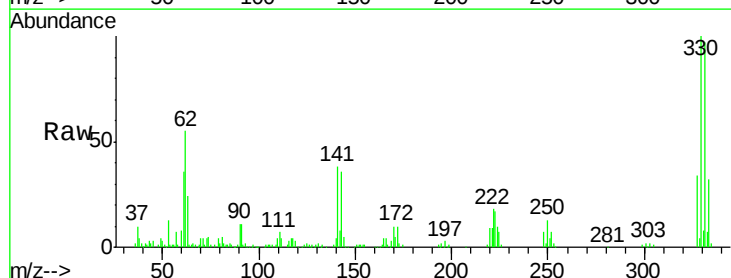


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

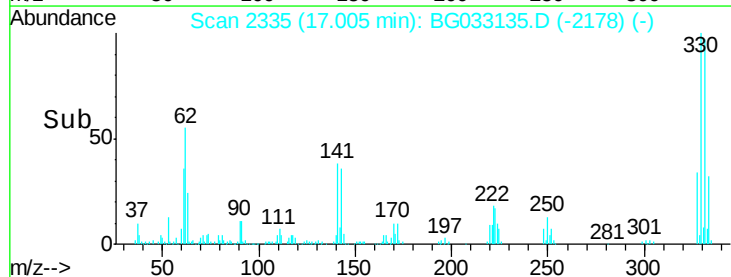
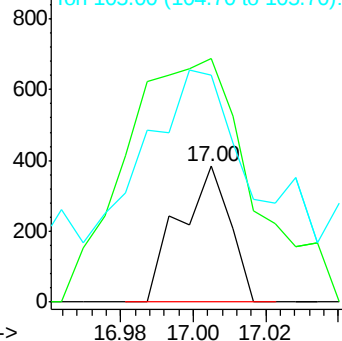


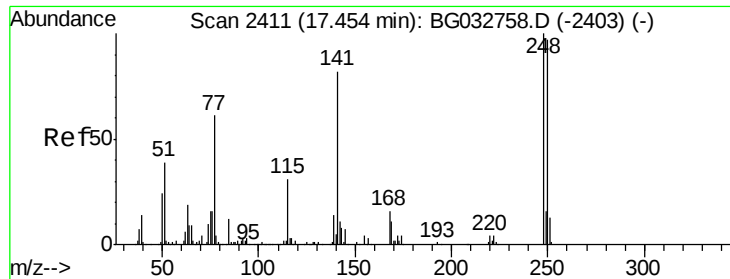
#64
4,6-Dinitro-2-methylphenol
Concen: 5.649 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.39 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Tgt Ion:198 Resp: 371
Ion Ratio Lower Upper
198 100
51 179.6 30.6 70.6#
105 167.6 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

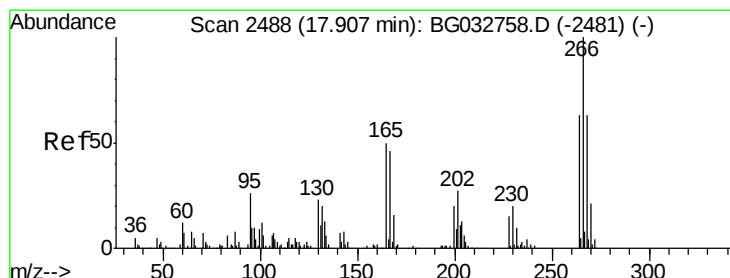
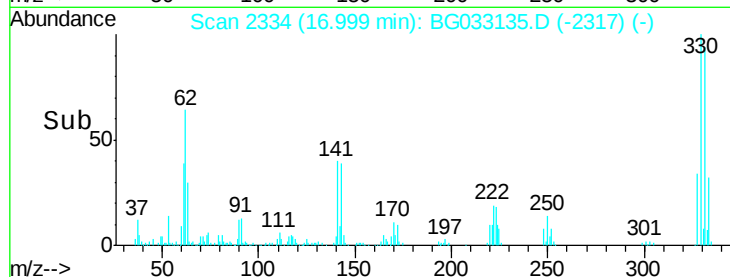
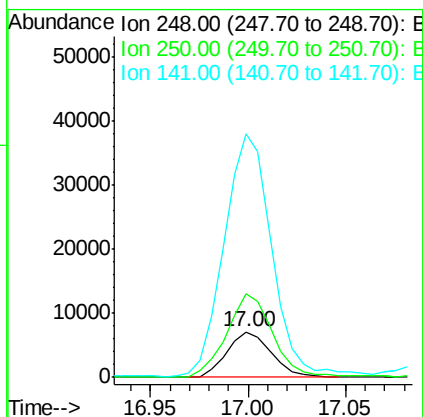
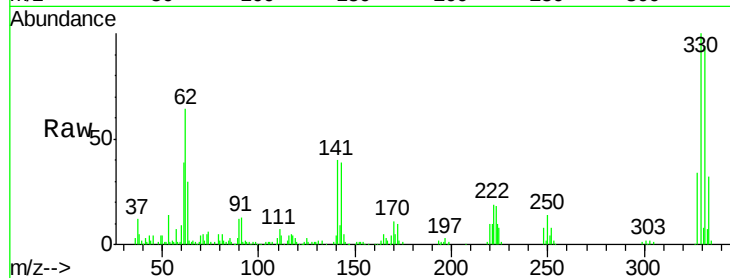




#66
4-Bromophenyl-phenylether
Concen: 4.611 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

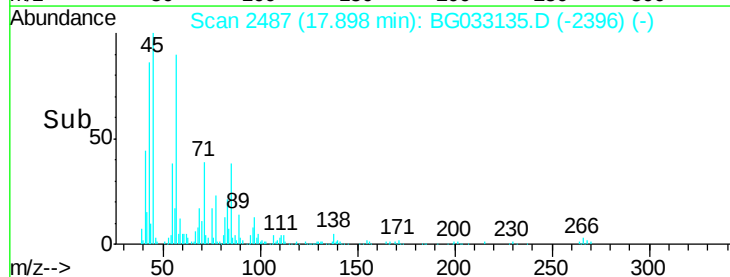
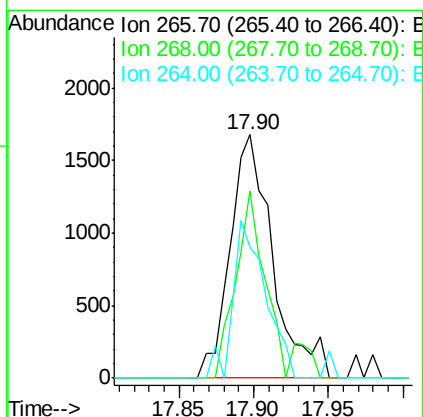
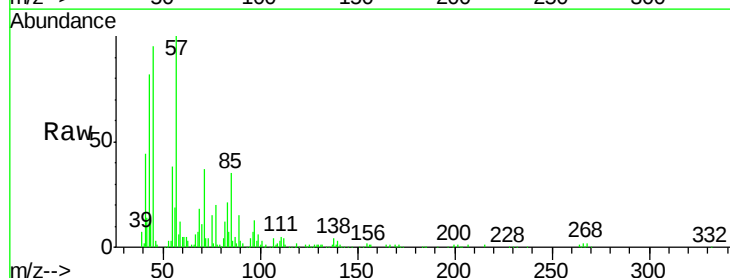
Instrument :
BNA_G
ClientSampleId :

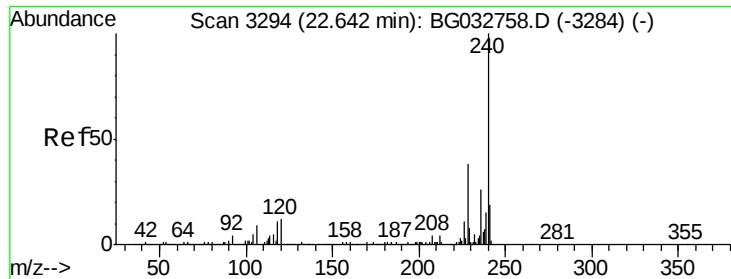
Tot Ion:248 Resp: 10978
Ion Ratio Lower Upper
248 100
250 184.8 77.1 115.7#
141 534.3 50.8 76.2#



#69
Pentachlorophenol
Concen: 2.064 ng
RT: 17.90 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BG033135.D
Acq: 14 Mar 2018 4:06

Tgt Ion:266 Resp: 3345
Ion Ratio Lower Upper
266 100
268 77.1 51.1 76.7#
264 53.7 49.6 74.4





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

Instrument :

BNA_G

ClientSampleId :

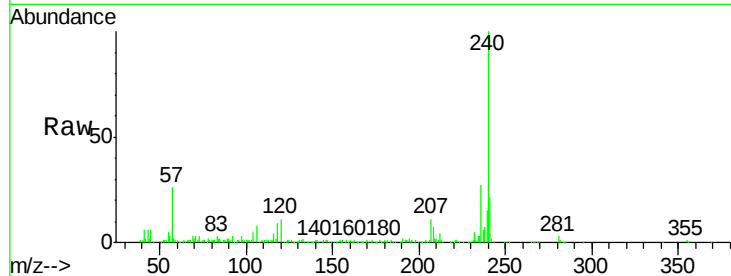
Tot Ion:240 Resp: 215871

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

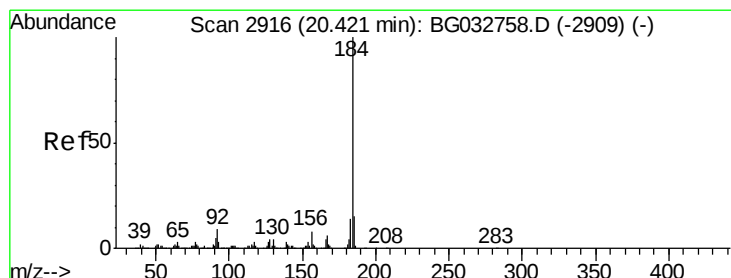
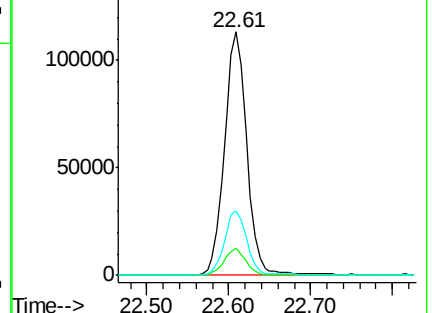
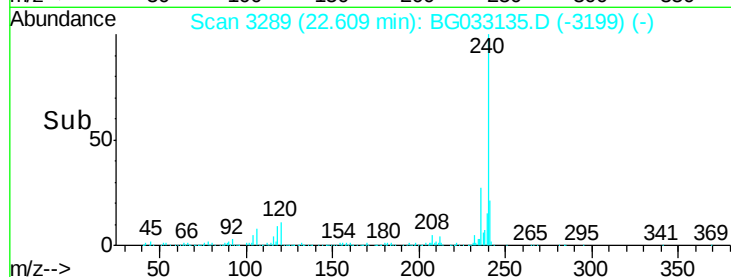
236 26.7 20.9 31.3



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: 2.585 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

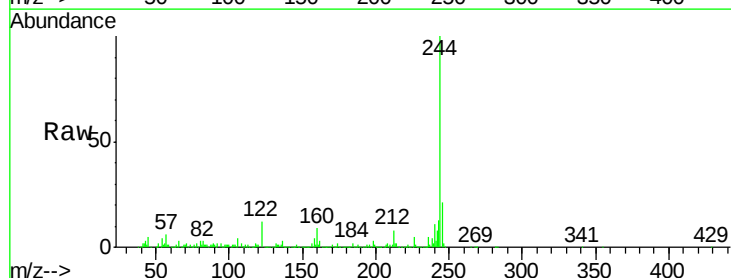
Tgt Ion:184 Resp: 19018

Ion Ratio Lower Upper

184 100

185 20.2 11.1 16.7#

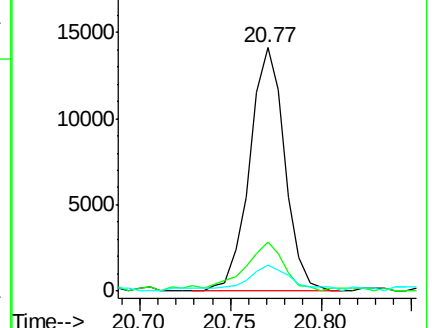
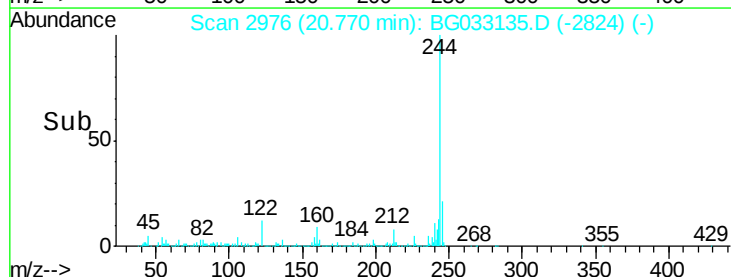
183 10.6 10.6 16.0#

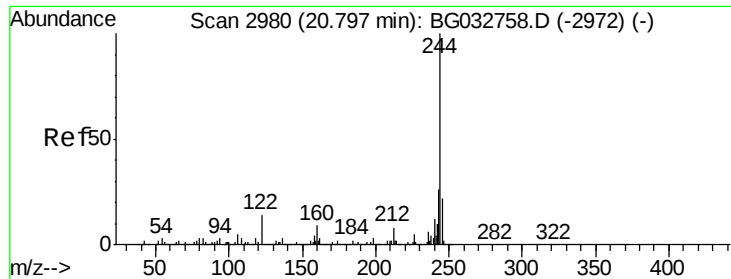


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.607 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

Instrument :

BNA_G

ClientSampled :

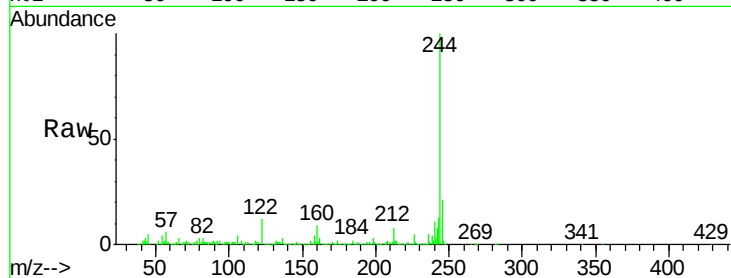
Tot Ion:244 Resp: 1033911

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

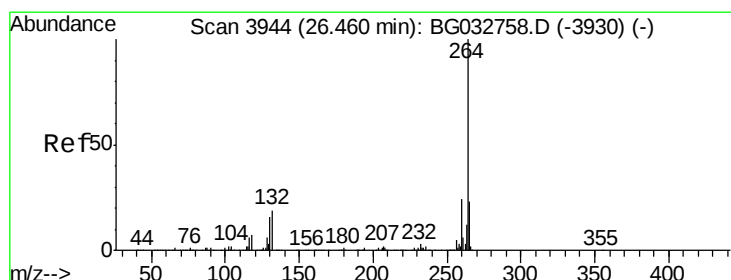
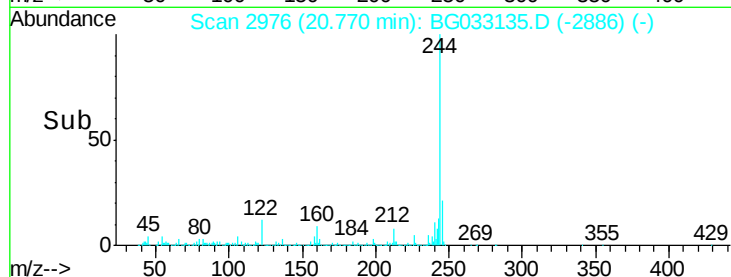
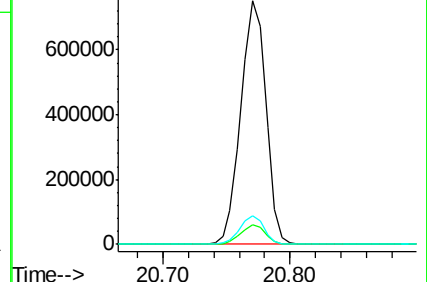
122 11.9 7.0 10.4#



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# 3936

Delta R.T. 0.00 min

Lab File: BG033135.D

Acq: 14 Mar 2018 4:06

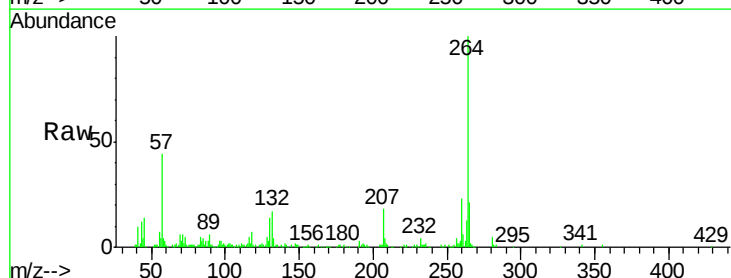
Tgt Ion:264 Resp: 232982

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 21.5 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

