

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033188.D
 Acq On : 15 Mar 2018 22:17
 Operator : SJ/JU
 Sample : J1913-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:55:50 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	8.90	152	30583	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	131181	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	77275	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	207029	20.00	ng	0.00
75) Chrysene-d12	22.60	240	218568	20.00	ng	-0.01
86) Perylene-d12	26.40	264	236520	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	278085	145.47	ng	0.00
7) Phenol-d6	8.00	99	344143	129.16	ng	-0.01
23) Nitrobenzene-d5	10.10	82	247377	125.51	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	207904	255.88	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	567430	105.90	ng	0.00
78) Terphenyl-d14	20.77	244	1090942	112.14	ng	0.00

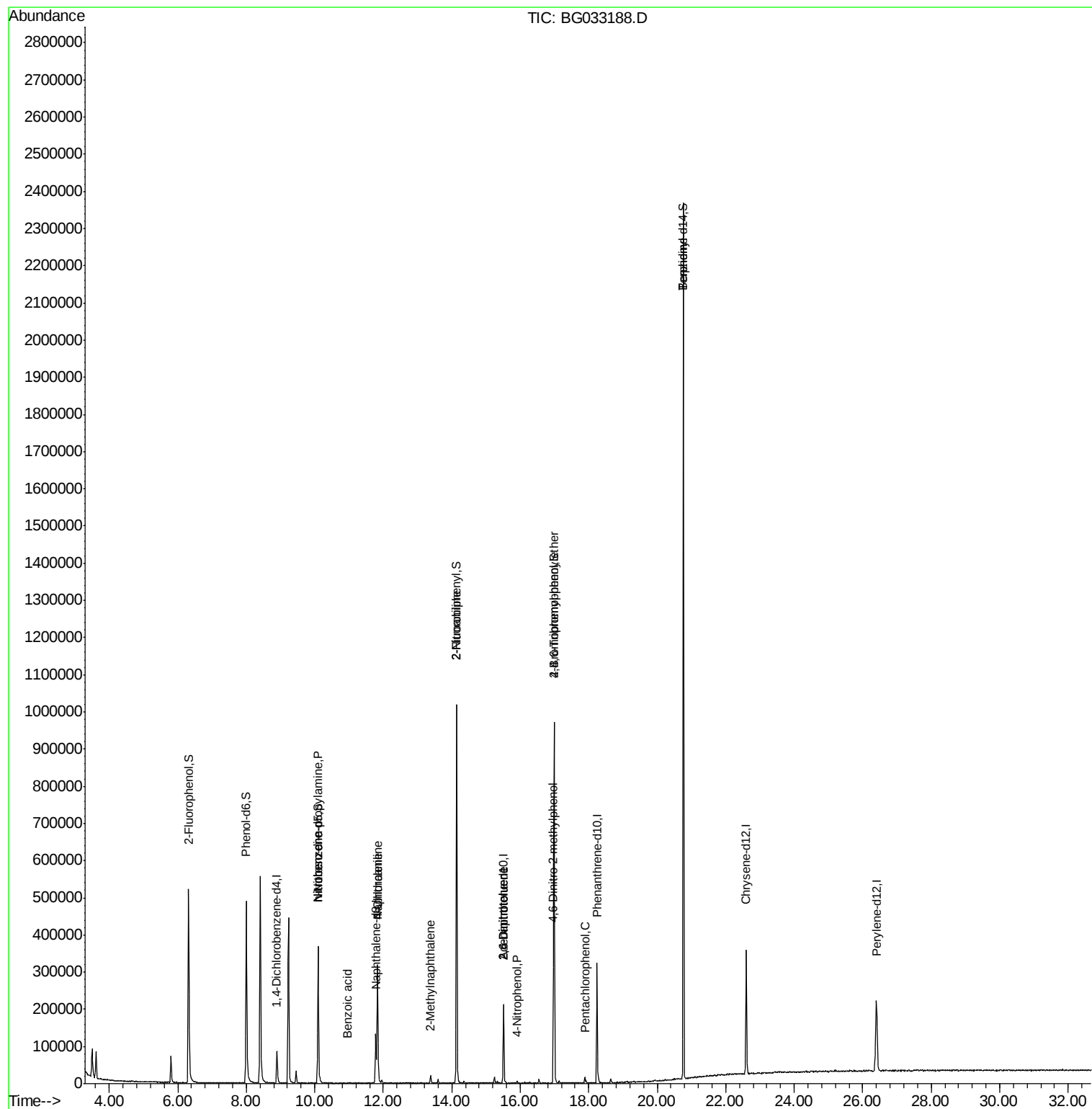
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	33985	18.067	ng	# 80
24) Nitrobenzene	10.10	77	855	6.735	ng	# 42
31) Naphthalene	11.84	128	301728	44.018	ng	# 99
32) Benzoic acid	10.96	122	194	6.005	ng	# 56
33) 4-Chloroaniline	11.84	127	41377	13.500	ng	# 38
37) 2-Methylnaphthalene	13.38	142	11649	2.349	ng	# 86
47) 2-Nitroaniline	14.14	65	1129	10.541	ng	# 14
50) 2,6-Dinitrotoluene	15.51	165	10035	16.425	ng	# 20
55) 4-Nitrophenol	15.90	139	2100	8.862	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	10035	14.624	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.96	198	95	5.143	ng	# 64
66) 4-Bromophenyl-phenylether	16.99	248	13533	6.182	ng	# 1
69) Pentachlorophenol	17.88	266	4142	2.780	ng	# 89
76) Benzidine	20.77	184	17883	2.400	ng	# 95

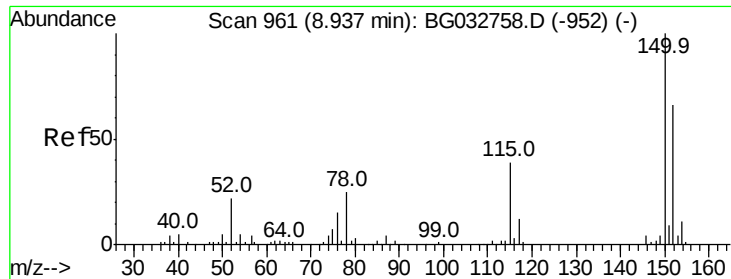
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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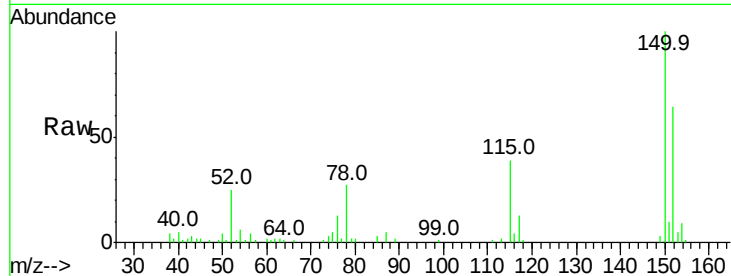


#1

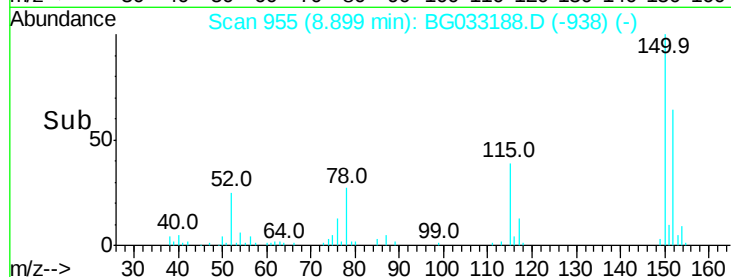
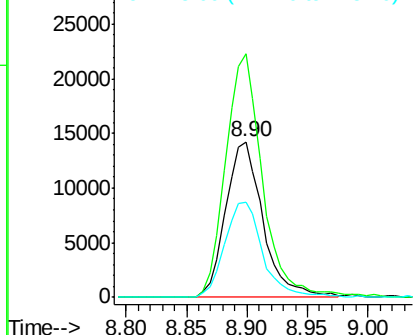
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30583
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 61.5 53.0 79.4



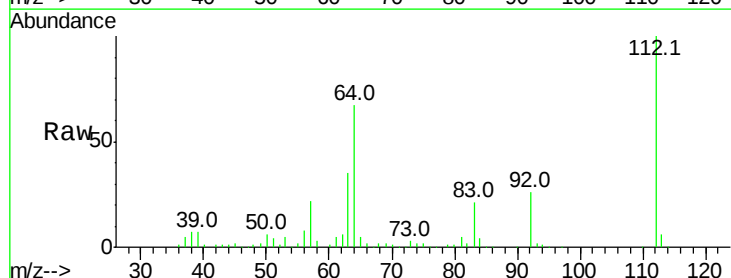
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



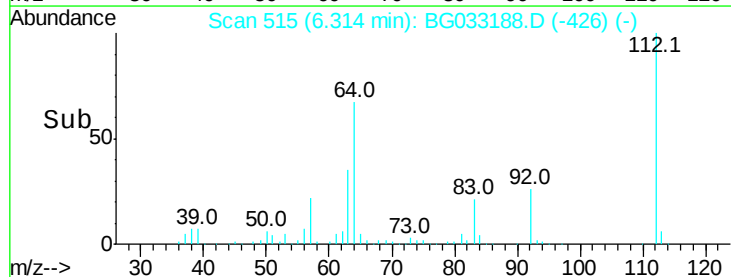
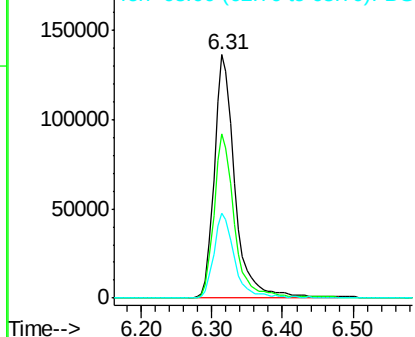
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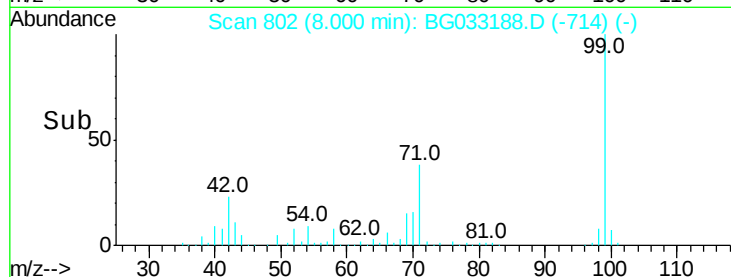
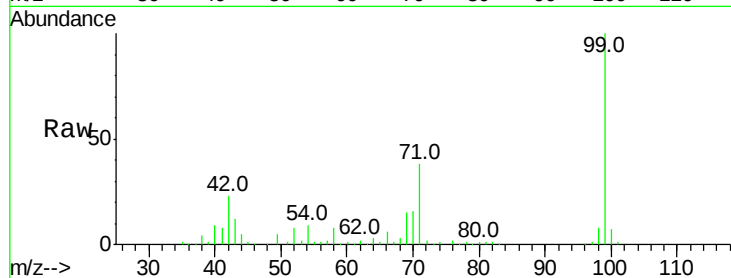
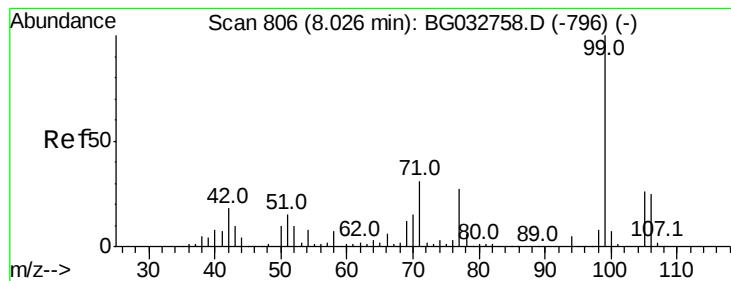
2-Fluorophenol
Concen: 145.472 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion:112 Resp: 278085
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 34.8 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: 129.158 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

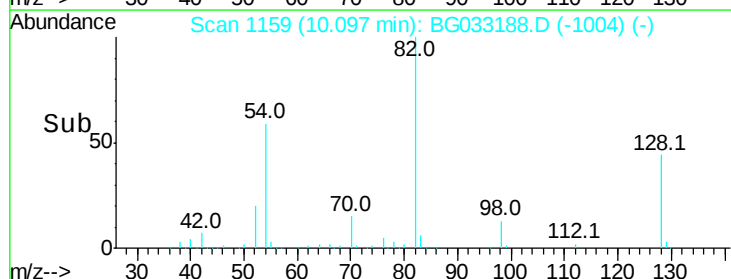
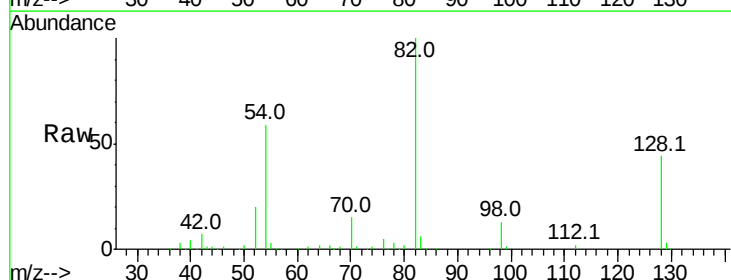
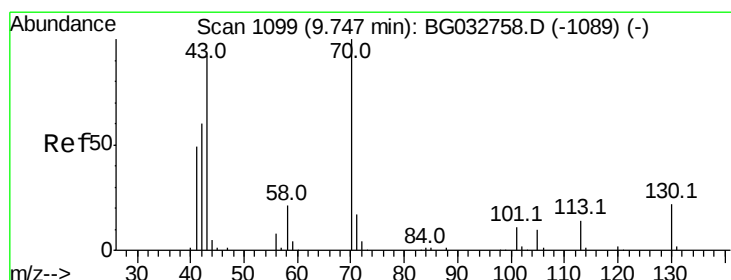
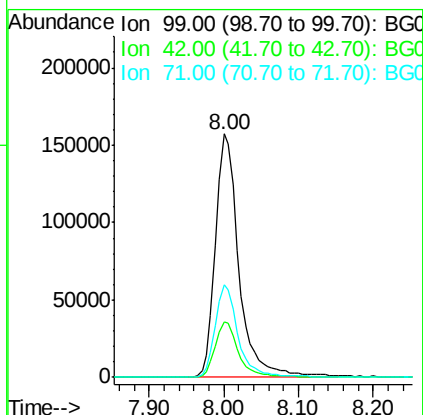
Tot Ion: 99 Resp: 344143

Ion Ratio Lower Upper

99 100

42 22.9 14.1 21.1#

71 38.1 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 18.067 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Tgt Ion: 70 Resp: 33985

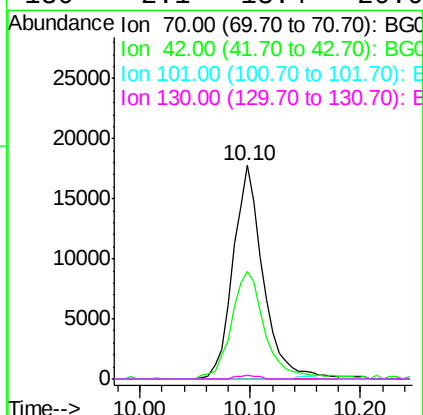
Ion Ratio Lower Upper

70 100

42 50.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

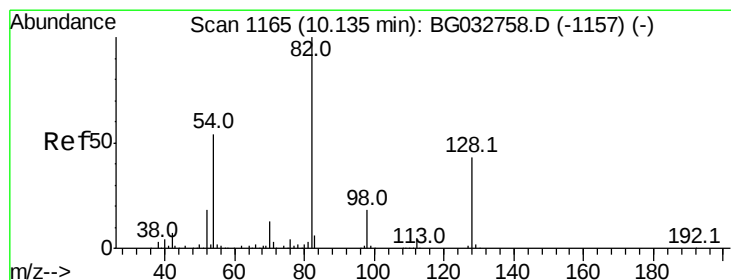
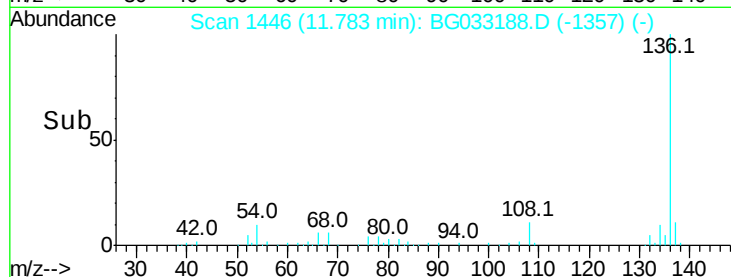
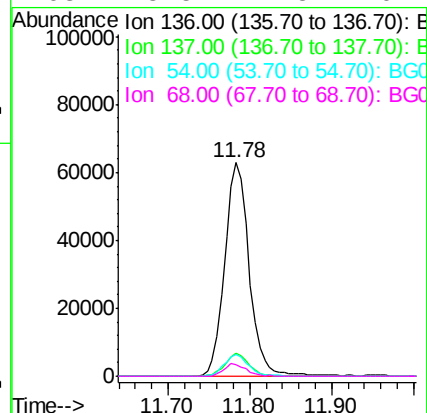
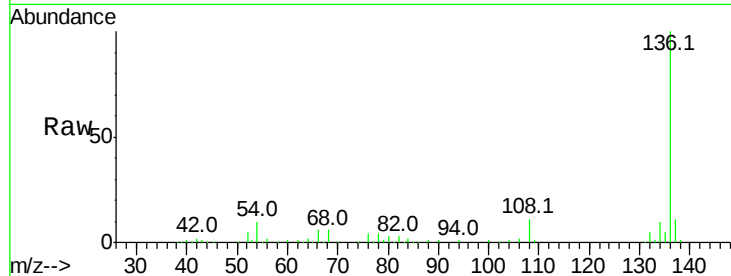




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

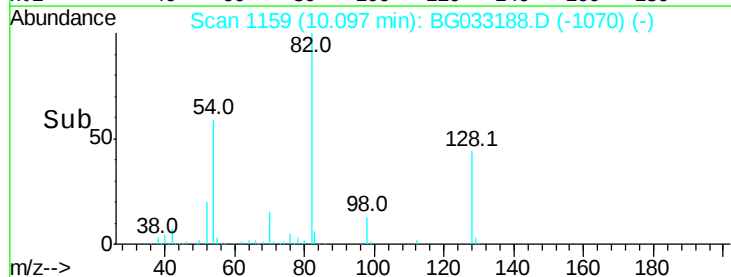
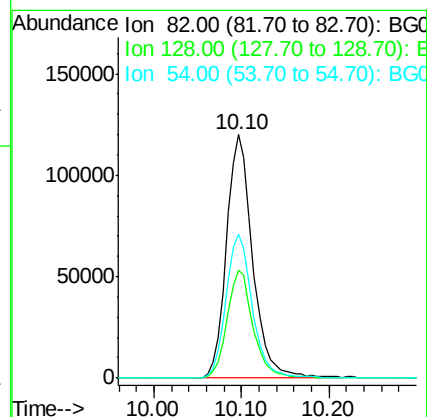
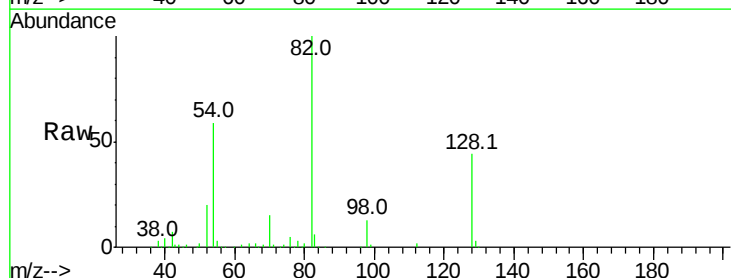
Instrument :
BNA_G
ClientSampled :

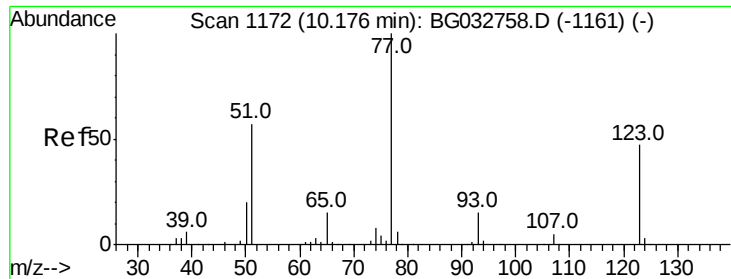
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.2	10.3	15.5
68	5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 125.515 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	29.7	44.5
54	58.9	43.1	64.7





#24

Nitrobenzene

Concen: 6.735 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampled :

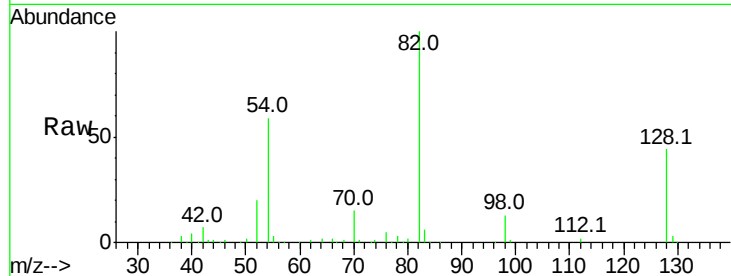
Tot Ion: 77 Resp: 855

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#

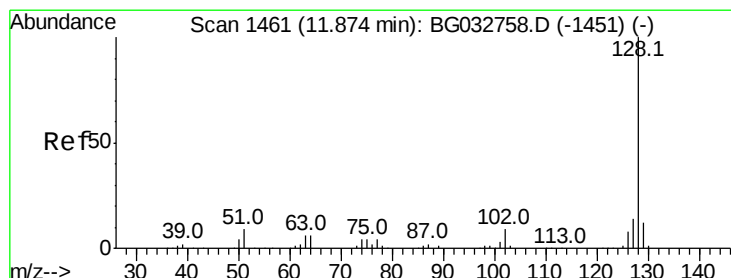
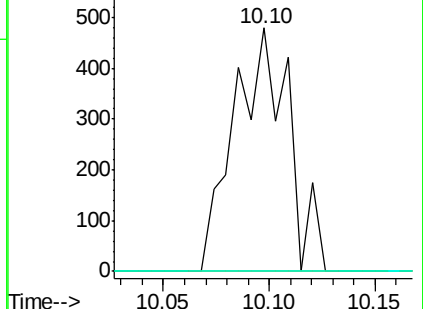
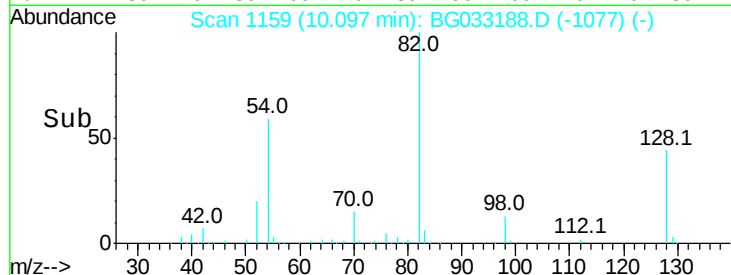


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->



#31

Naphthalene

Concen: 44.018 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

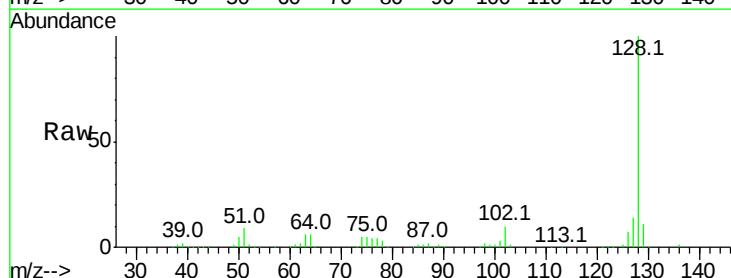
Tgt Ion: 128 Resp: 301728

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 14.1 11.6 17.4

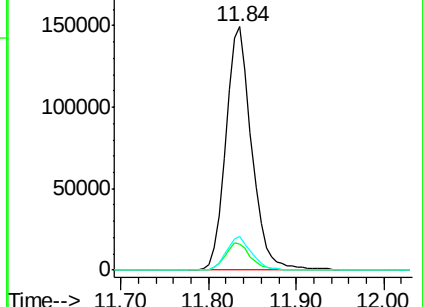
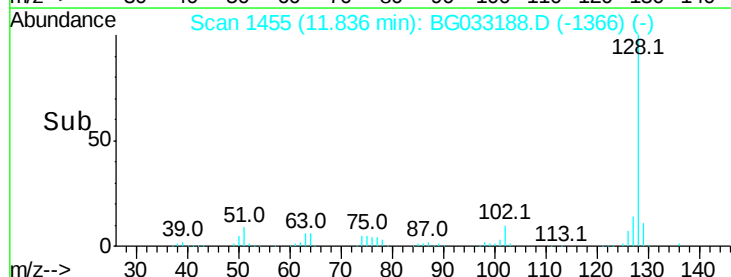


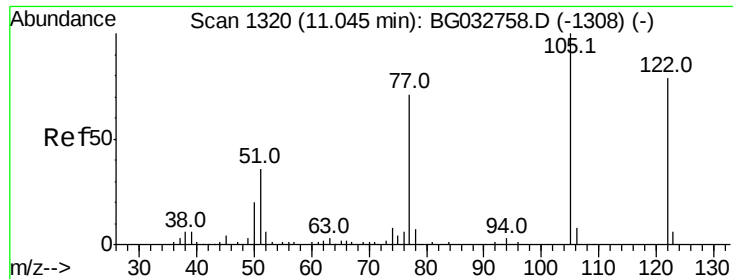
Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

Time-->





#32

Benzoic acid

Concen: 6.005 ng

RT: 10.96 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

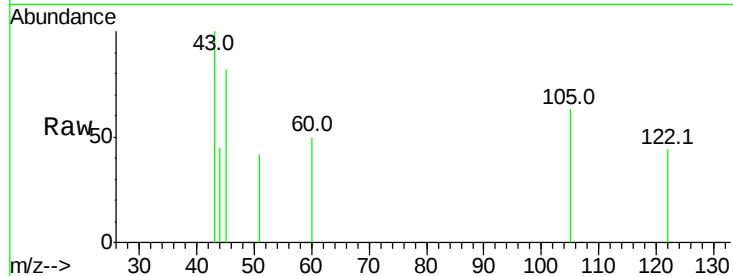
Tot Ion:122 Resp: 194

Ion Ratio Lower Upper

122 100

105 142.4 123.5 163.5

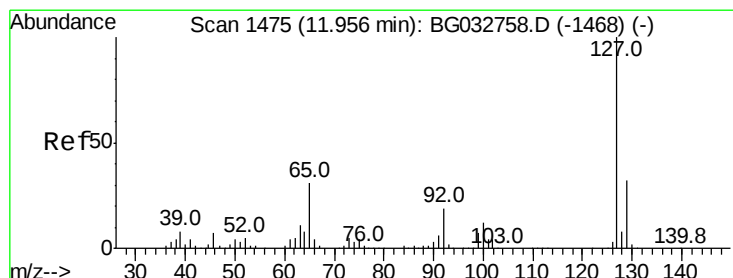
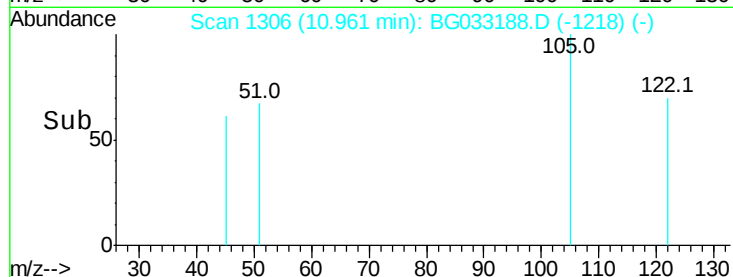
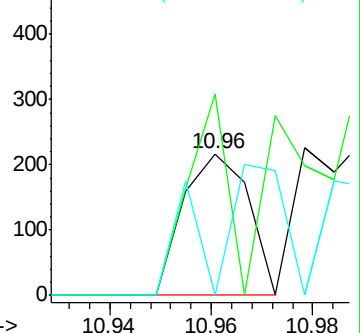
77 0.0 85.7 125.7#



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



#33

4-Chloroaniline

Concen: 13.500 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.09 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Tgt Ion:127 Resp: 41377

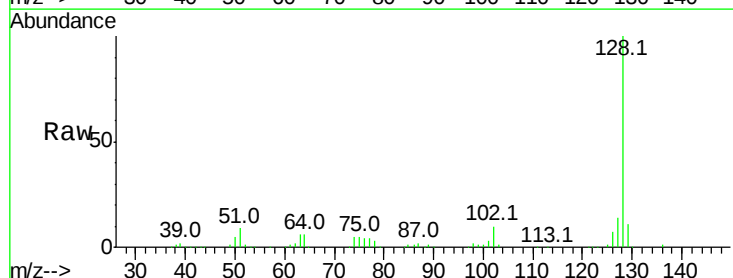
Ion Ratio Lower Upper

127 100

129 75.4 24.0 36.0#

65 3.4 27.0 40.4#

92 0.0 16.6 25.0#

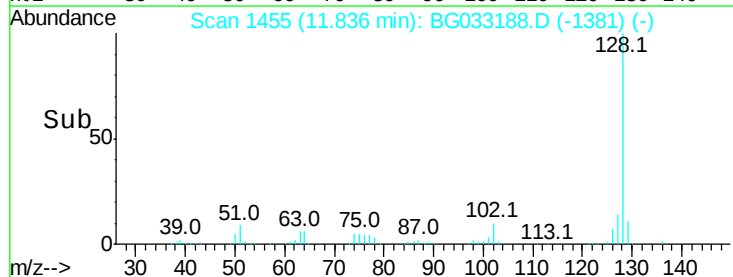
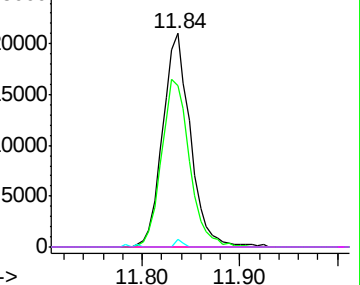


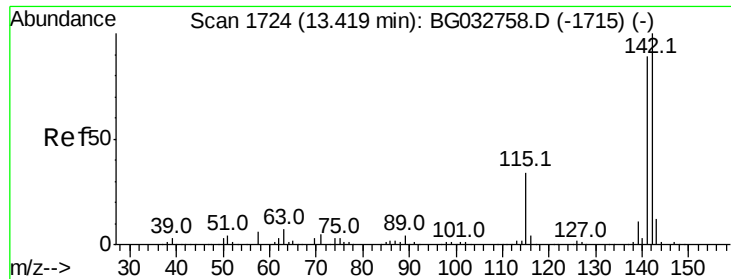
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

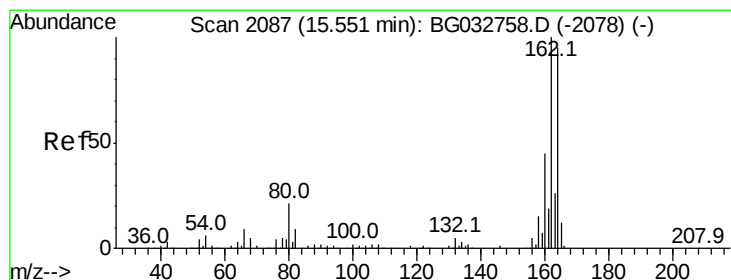
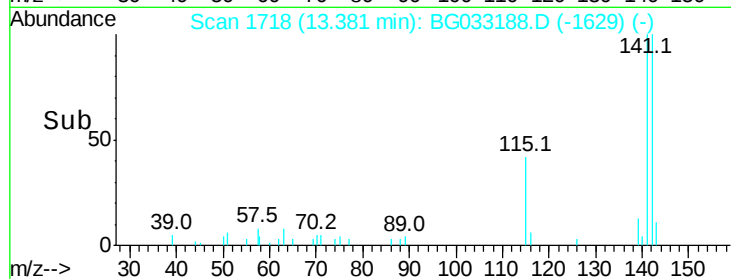
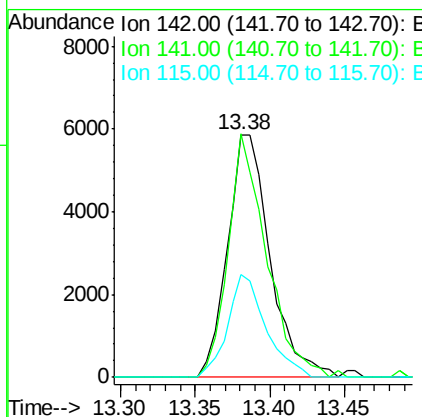
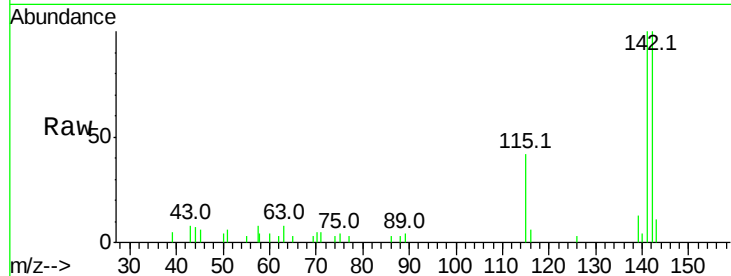




#37
 2-Methylnaphthalene
 Concen: 2.349 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

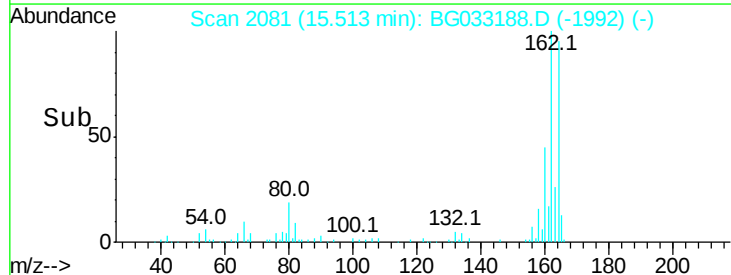
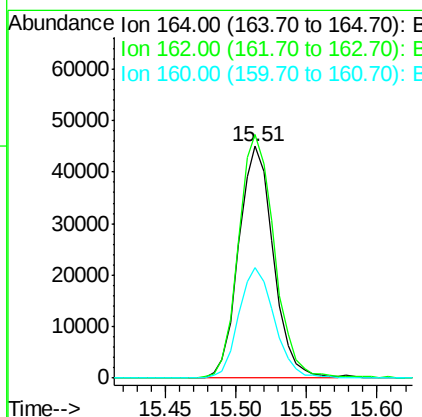
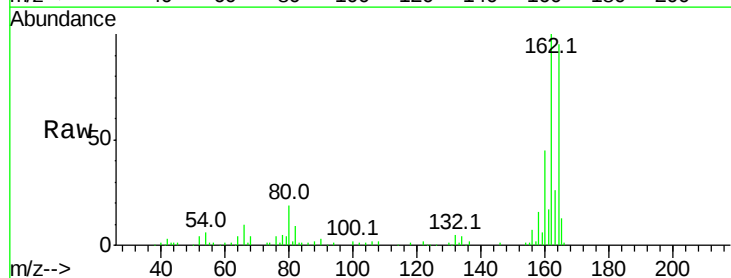
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 BNA_G
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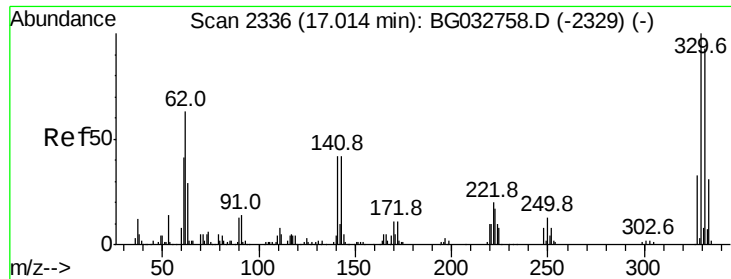
Tot Ion:142 Resp: 11649
 Ion Ratio Lower Upper
 142 100
 141 100.2 67.1 100.7
 115 42.3 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion:164 Resp: 77275
 Ion Ratio Lower Upper
 164 100
 162 105.0 78.8 118.2
 160 47.6 35.4 53.0

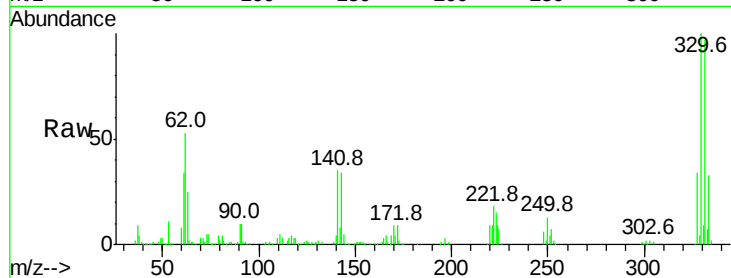




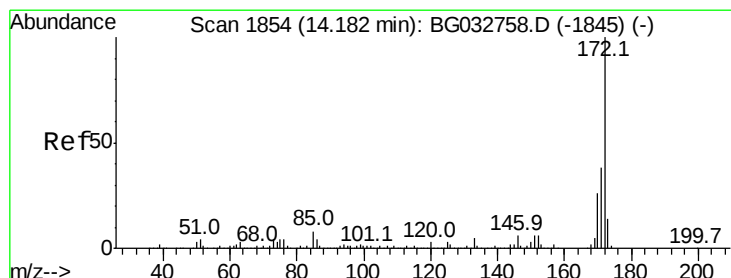
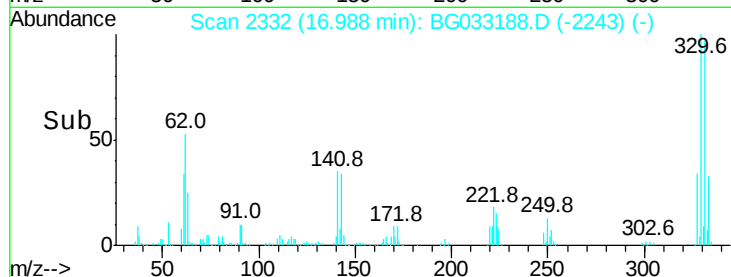
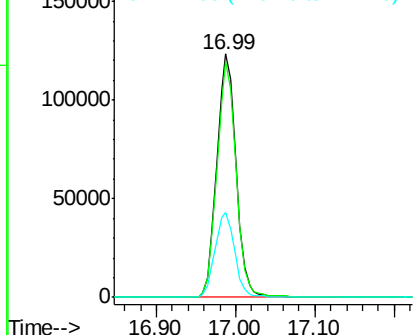
#41
 2,4,6-Tribromophenol
 Concen: 255.876 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 207904
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 35.5 25.2 37.8

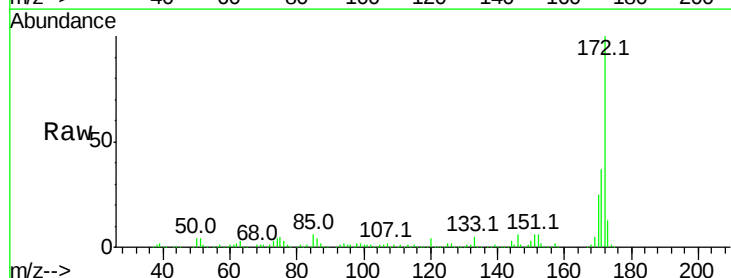


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

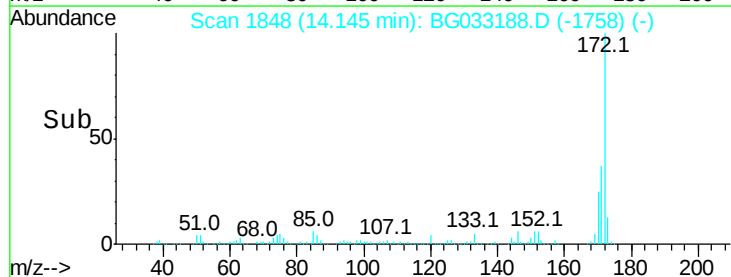
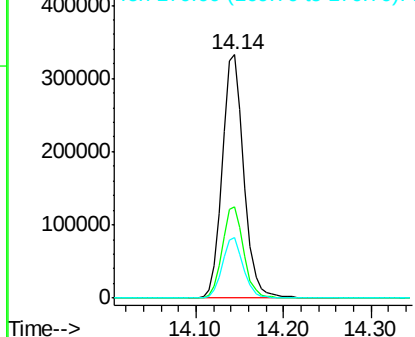


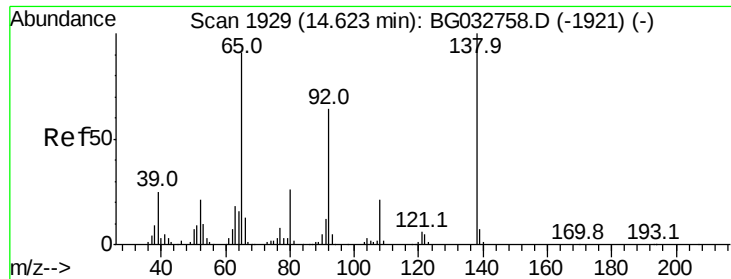
#44
 2-Fluorobiphenyl
 Concen: 105.905 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion:172 Resp: 567430
 Ion Ratio Lower Upper
 172 100
 171 37.3 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: 10.541 ng

RT: 14.14 min Scan# 1848

Delta R.T. -0.46 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

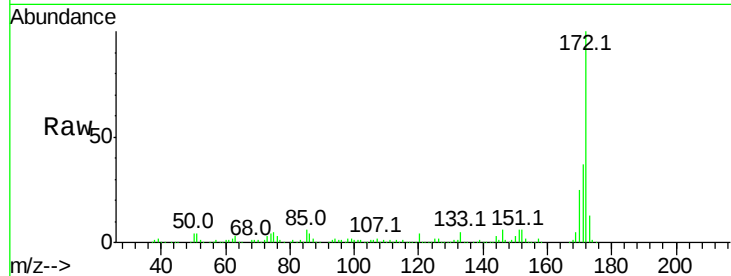
Tot Ion: 65 Resp: 1129

Ion Ratio Lower Upper

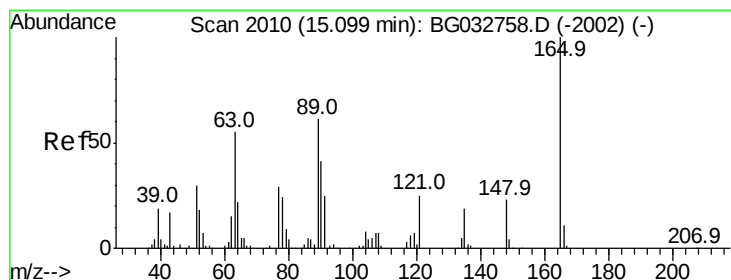
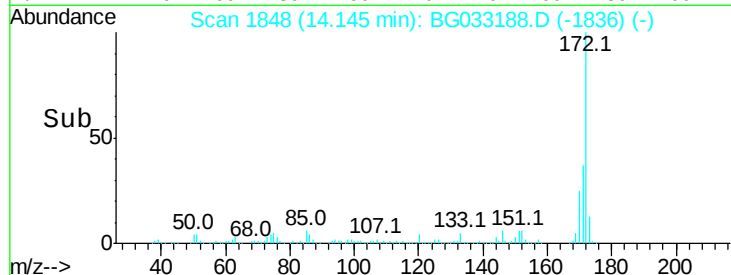
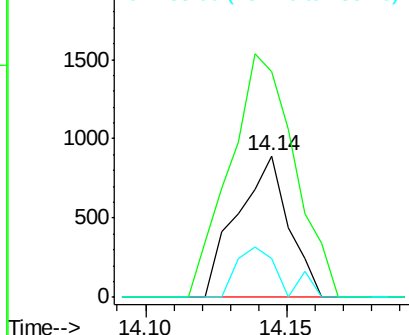
65 100

92 158.9 54.6 82.0#

138 27.2 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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.425 ng

RT: 15.51 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

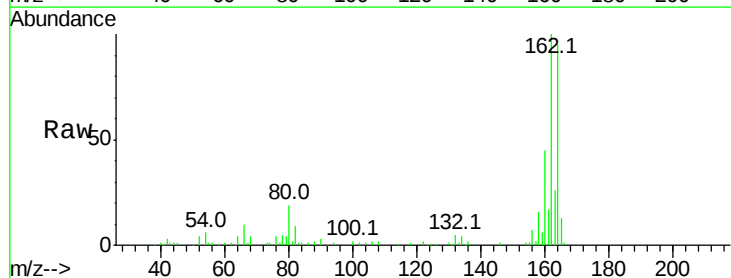
Tgt Ion:165 Resp: 10035

Ion Ratio Lower Upper

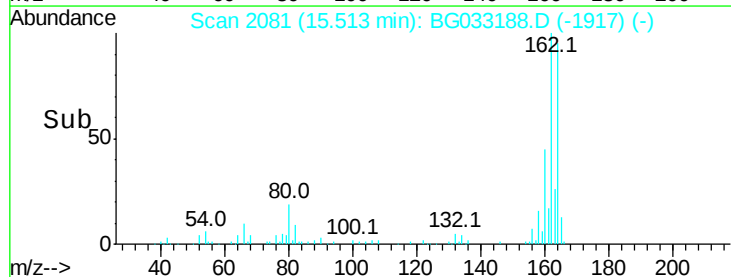
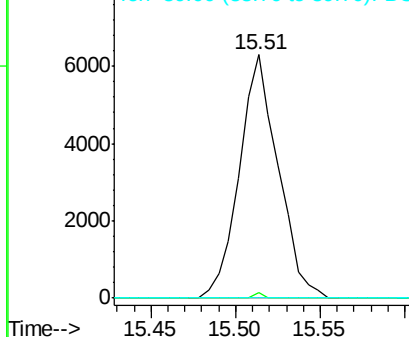
165 100

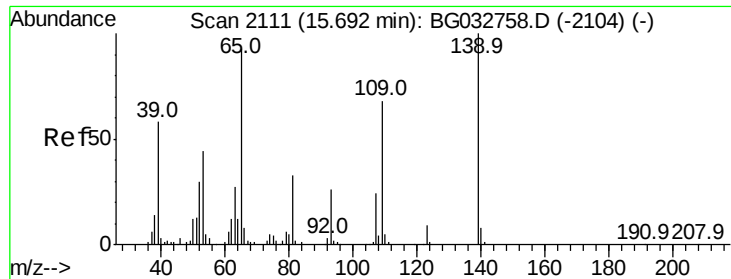
63 2.5 52.7 79.1#

89 0.0 49.2 73.8#



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

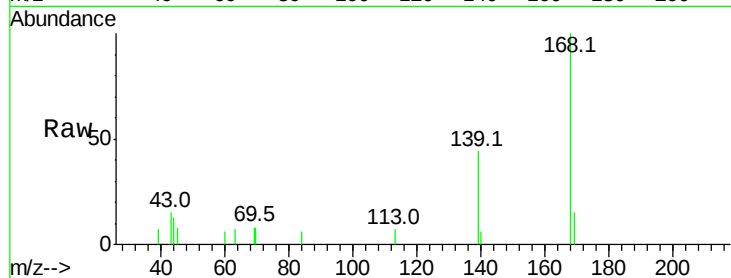




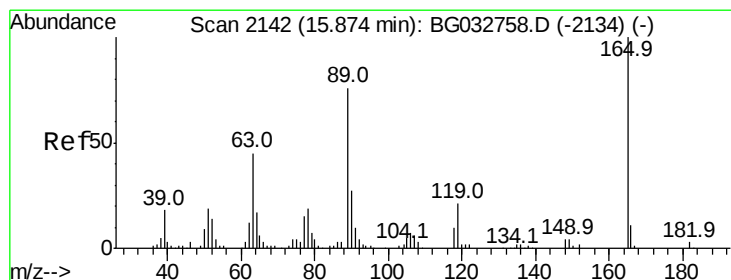
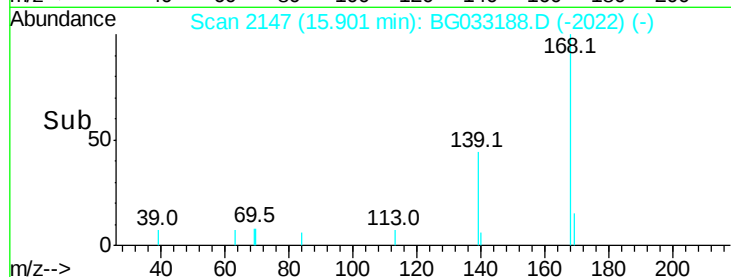
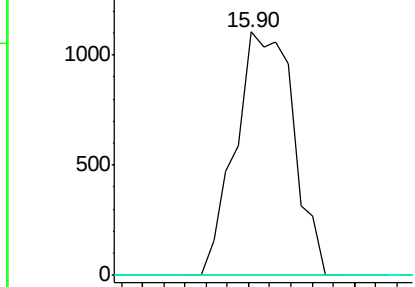
#55
4-Nitrophenol
Concen: 8.862 ng
RT: 15.90 min Scan# 2147
Delta R.T. 0.21 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 2100
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

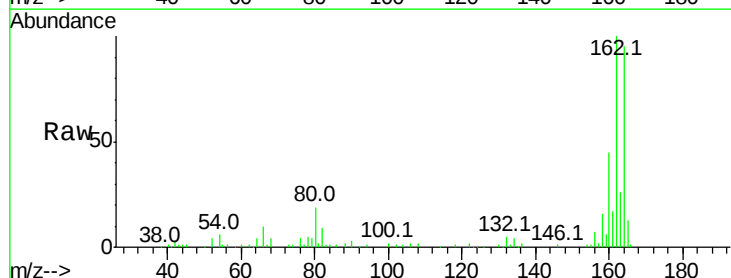


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

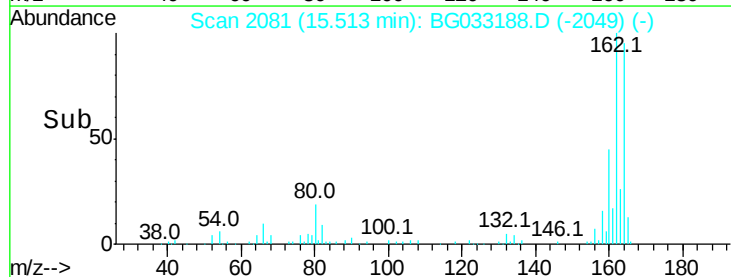
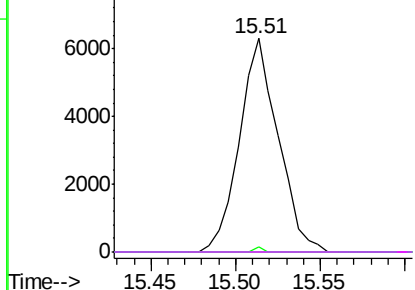


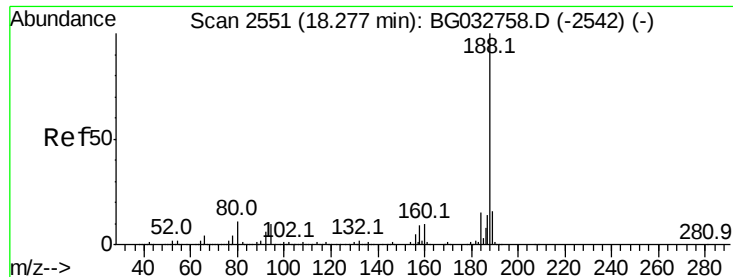
#56
2,4-Dinitrotoluene
Concen: 14.624 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion:165 Resp: 10035
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

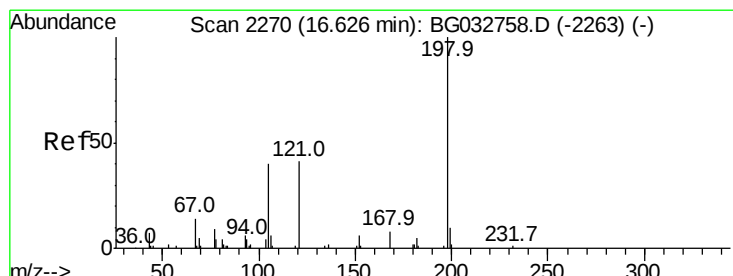
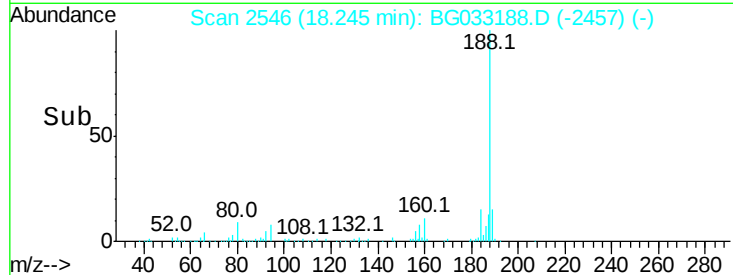
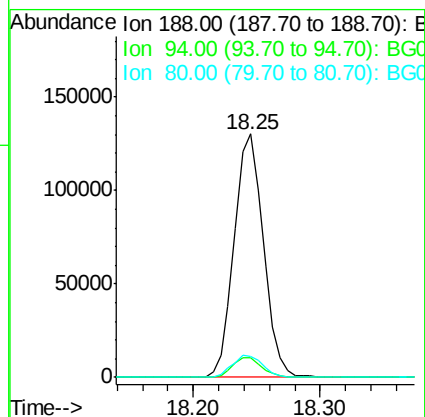
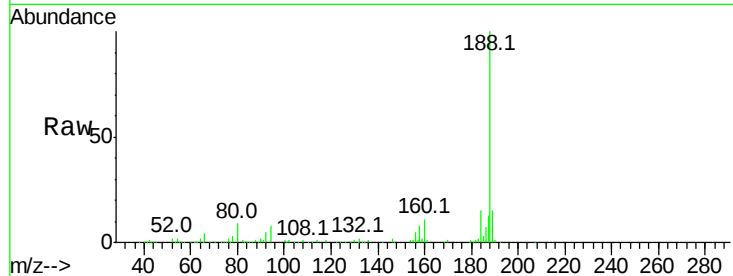




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

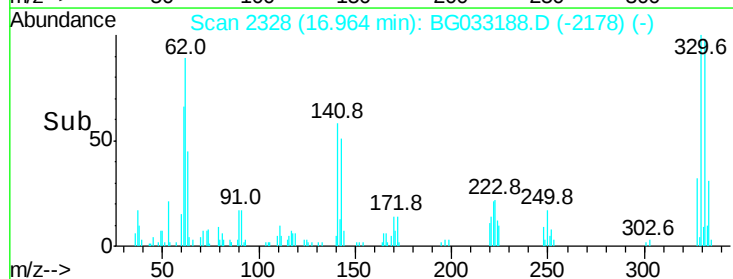
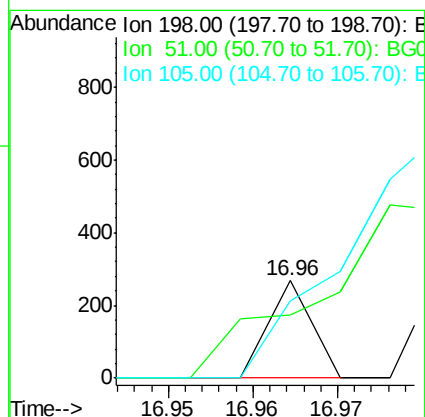
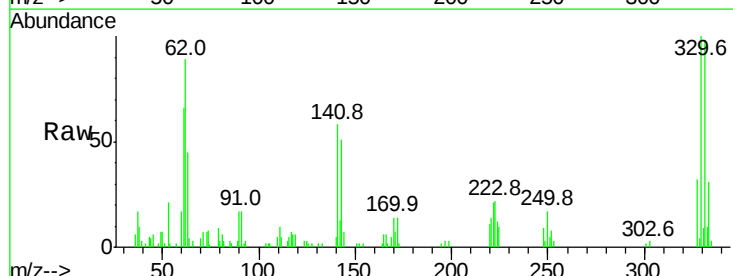
Instrument :
BNA_G
ClientSampleId :

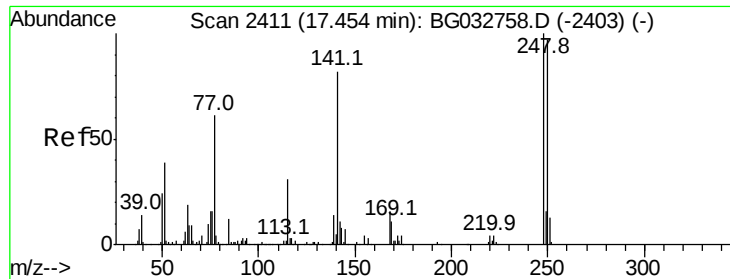
Tot Ion:188 Resp: 207029
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.7 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.143 ng
RT: 16.96 min Scan# 2328
Delta R.T. 0.35 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion:198 Resp: 95
Ion Ratio Lower Upper
198 100
51 64.9 30.6 70.6
105 79.1 23.8 63.8#

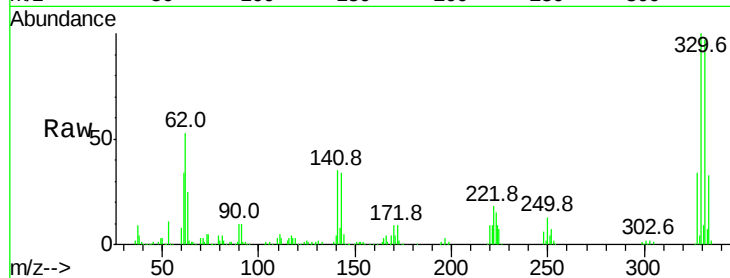




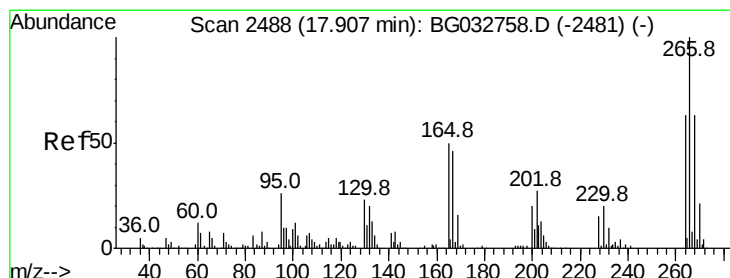
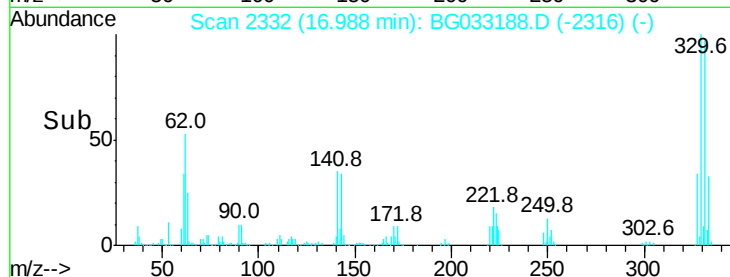
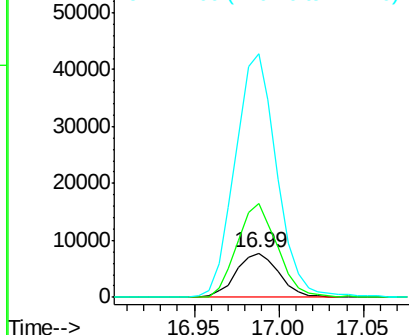
#66
 4-Bromophenyl-phenylether
 Concen: 6.182 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13533
 Ion Ratio Lower Upper
 248 100
 250 213.4 77.1 115.7#
 141 554.0 50.8 76.2#

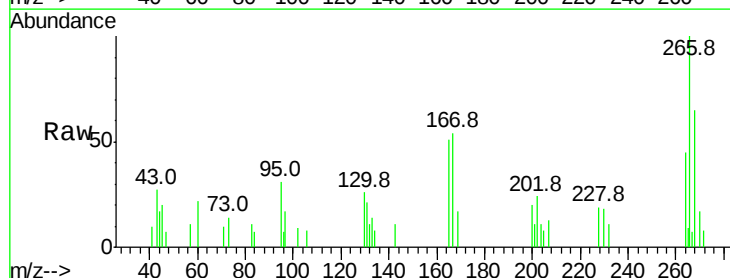


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

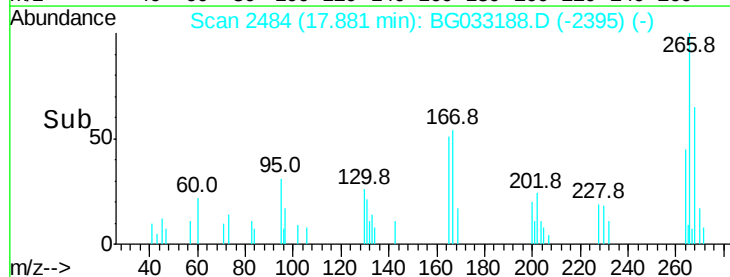
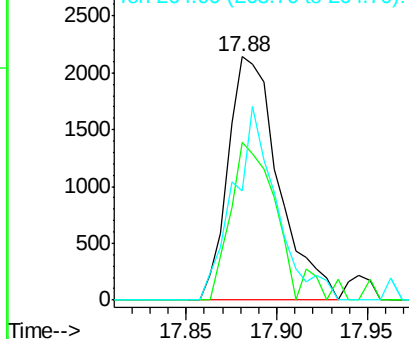


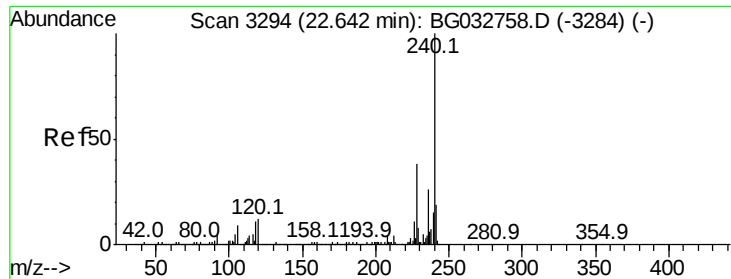
#69
 Pentachlorophenol
 Concen: 2.780 ng
 RT: 17.88 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion:266 Resp: 4142
 Ion Ratio Lower Upper
 266 100
 268 64.6 51.1 76.7
 264 45.1 49.6 74.4#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

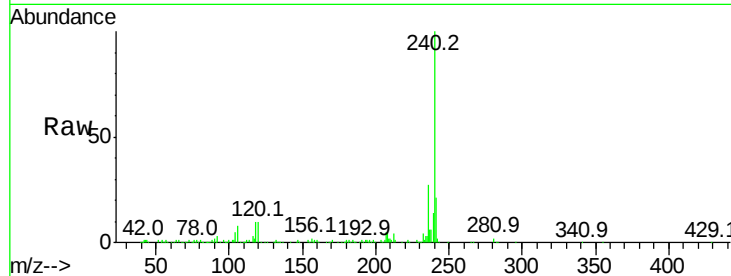
Tot Ion:240 Resp: 218568

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

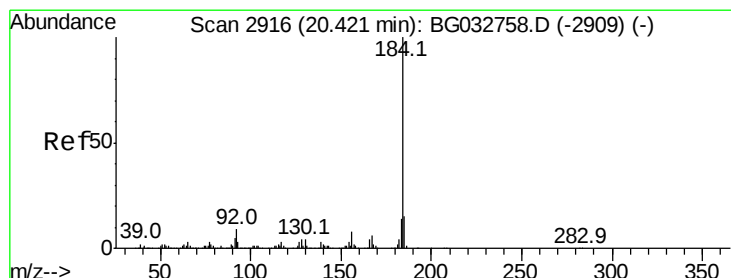
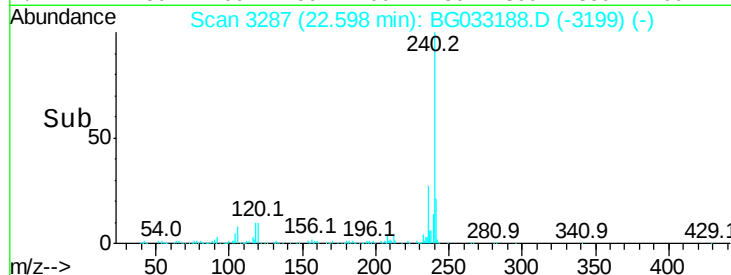
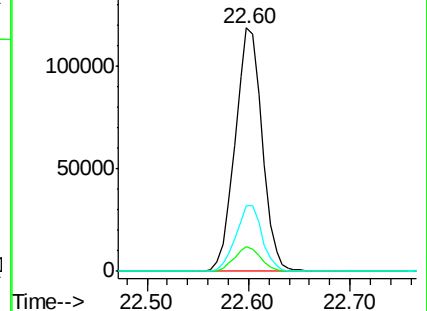
236 27.2 20.9 31.3



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: 2.400 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

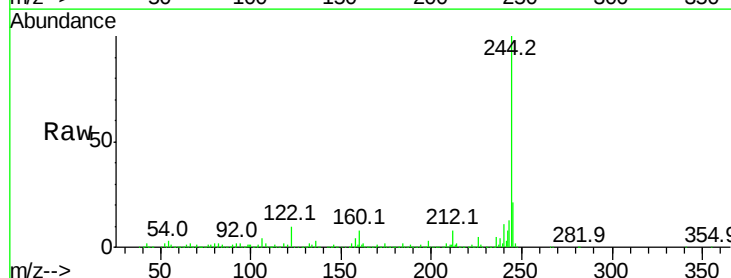
Tgt Ion:184 Resp: 17883

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

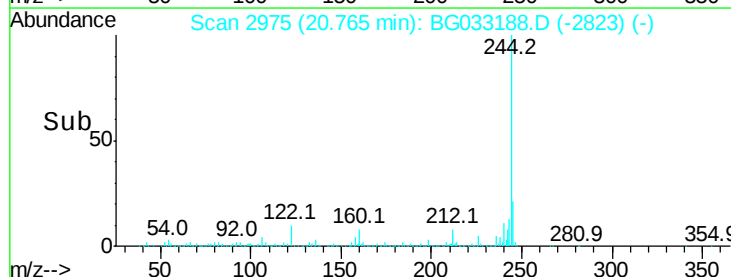
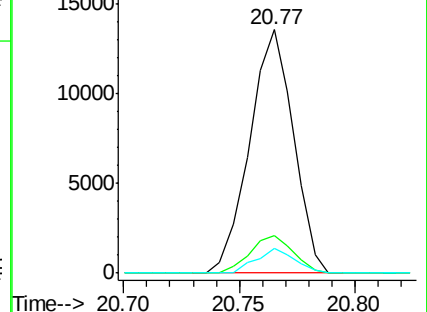
183 10.3 10.6 16.0#

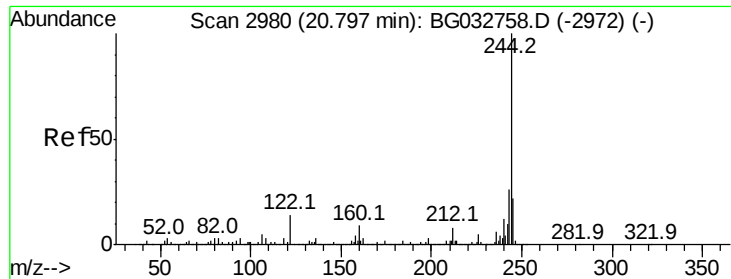


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

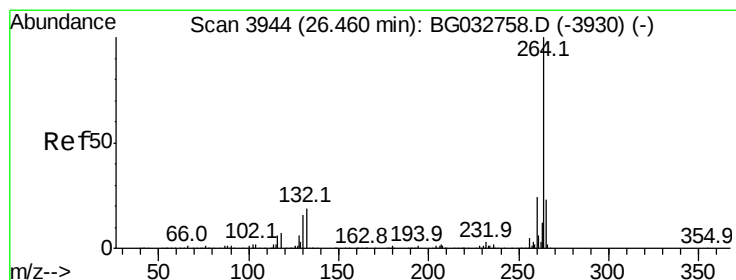
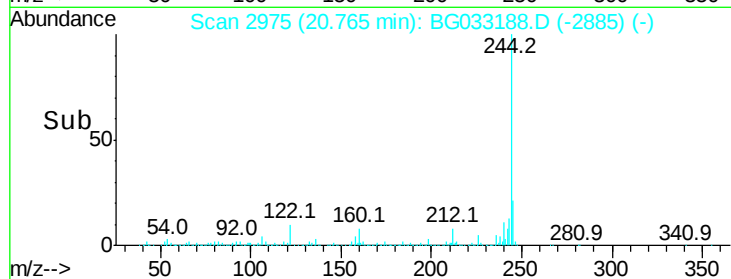
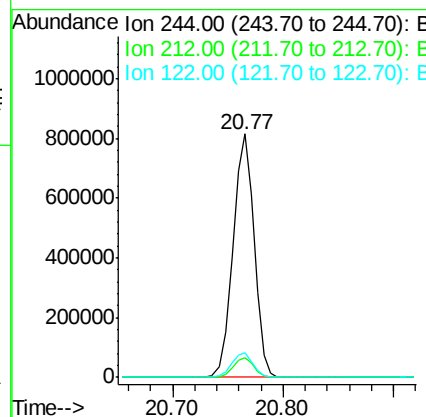
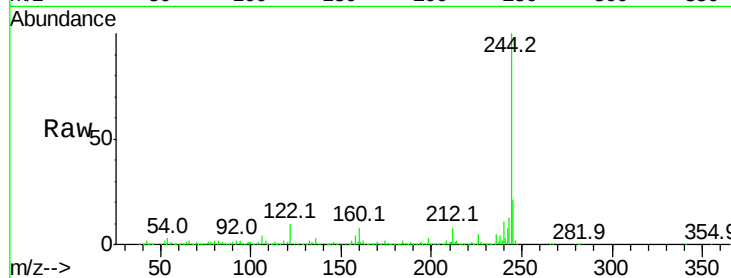




#78
 Terphenyl-d14
 Concen: 112.141 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1090942
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 10.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3934
 Delta R.T. -0.01 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion:264 Resp: 236520
 Ion Ratio Lower Upper
 264 100
 260 24.1 17.4 26.0
 265 22.5 17.7 26.5

