

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033208.D
 Acq On : 16 Mar 2018 20:32
 Operator : SJ/JU
 Sample : J1927-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

Quant Time: Mar 17 05:21:40 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	44316	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	175456	20.00	ng	-0.01
38) Acenaphthene-d10	15.51	164	123253	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	322653	20.00	ng	0.00
75) Chrysene-d12	22.60	240	327465	20.00	ng	0.00
86) Perylene-d12	26.40	264	352156	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	350804	126.64	ng	0.00
7) Phenol-d6	8.00	99	507385	131.41	ng	-0.01
23) Nitrobenzene-d5	10.10	82	331225	125.64	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	213914	165.06	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	721557	84.43	ng	0.00
78) Terphenyl-d14	20.76	244	1204362	82.63	ng	0.00

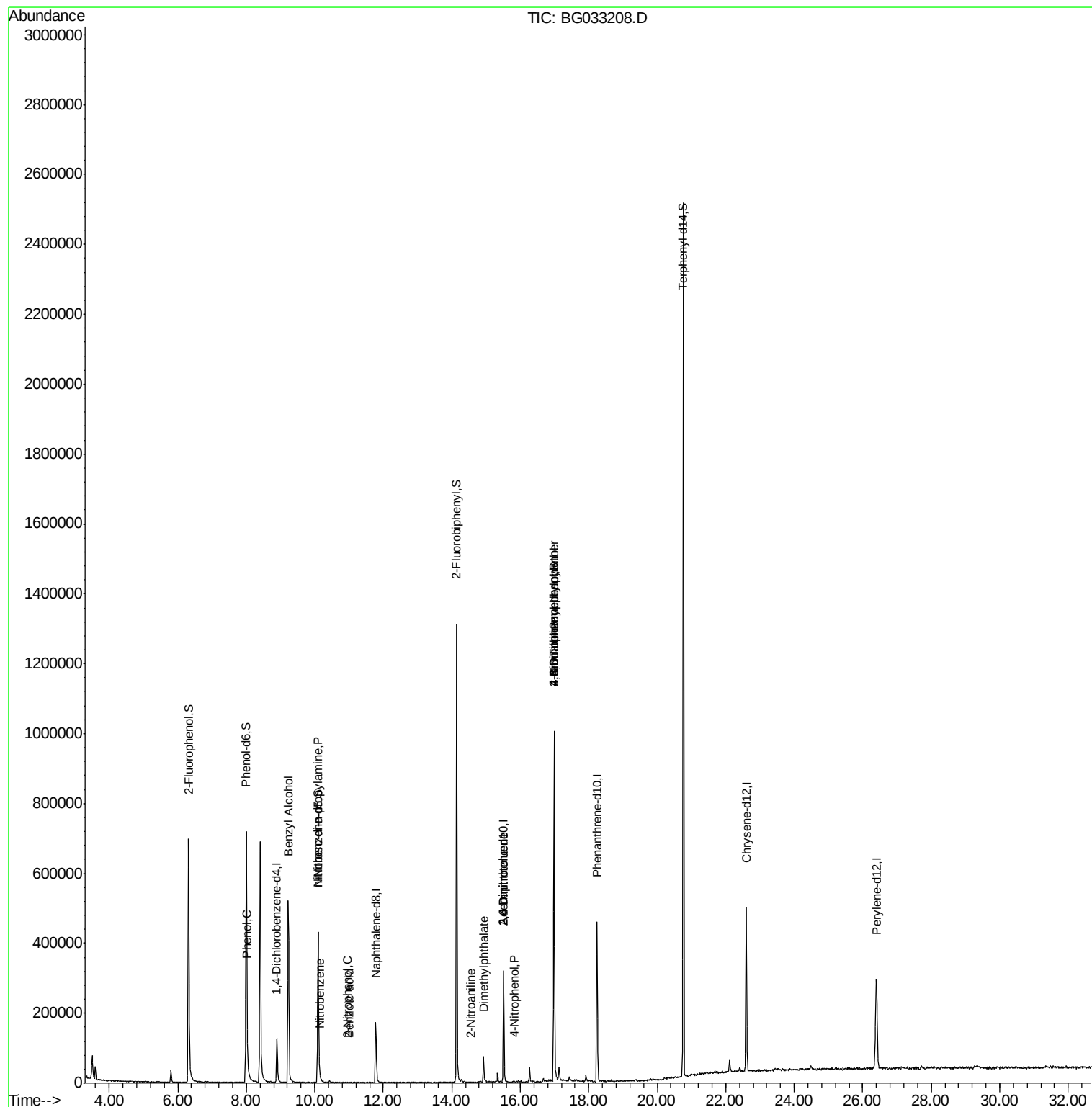
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	8.03	94	16886	4.339	ng	# 68
15) Benzyl Alcohol	9.22	79	6173	2.175	ng	# 57
19) n-Nitroso-di-n-propylamine	10.09	70	44052	16.161	ng	# 75
24) Nitrobenzene	10.15	77	54	6.397	ng	# 42
26) 2-Nitrophenol	10.94	139	63	5.504	ng	# 29
32) Benzoic acid	11.00	122	55	5.855	ng	# 1
47) 2-Nitroaniline	14.56	65	62	9.860	ng	# 9
49) Dimethylphthalate	14.93	163	54342	5.193	ng	# 97
50) 2,6-Dinitrotoluene	15.51	165	15959	16.403	ng	# 21
55) 4-Nitrophenol	15.81	139	94	7.131	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15959	14.601	ng	# 19
61) 4-Nitroaniline	16.98	138	65	5.325	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.98	198	395	5.469	ng	# 24
66) 4-Bromophenyl-phenylether	16.99	248	15656	4.589	ng	# 1

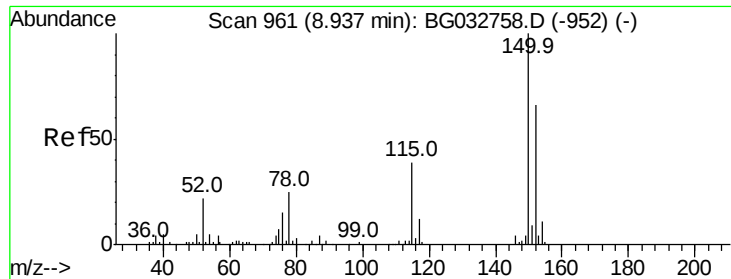
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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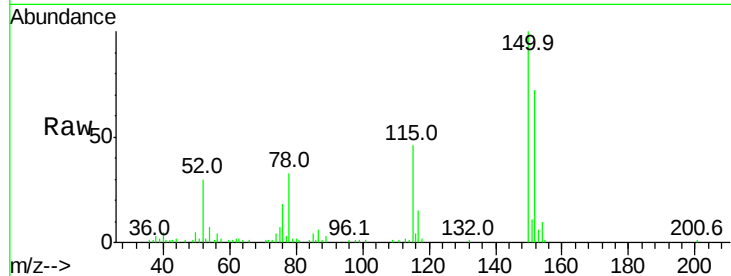


#1

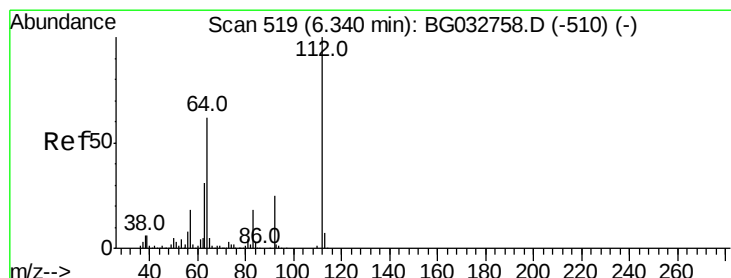
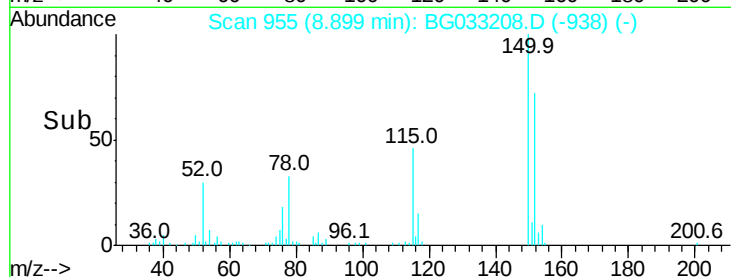
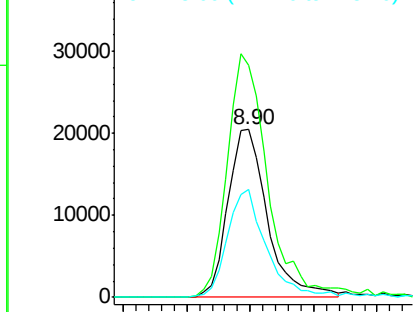
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-C01-C01A-D01-D01A

Tot Ion:152 Resp: 44316
Ion Ratio Lower Upper
152 100
150 138.4 126.6 189.8
115 64.3 53.0 79.4



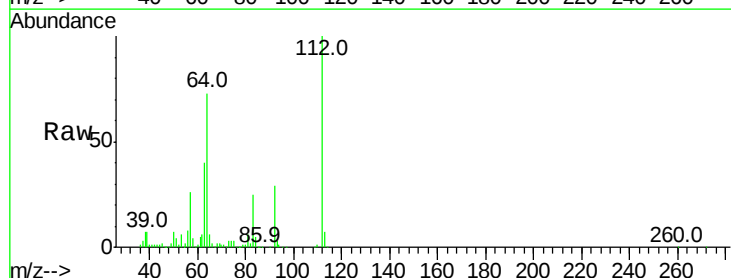
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



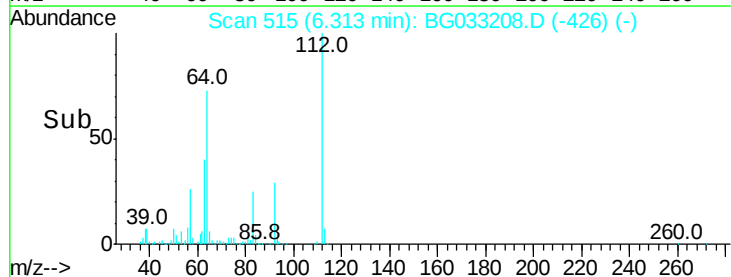
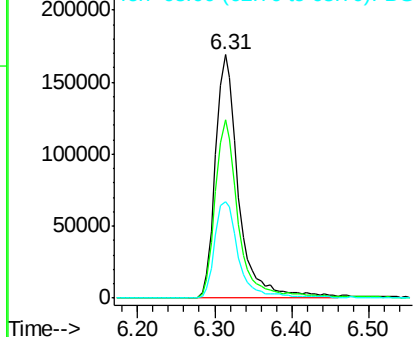
#5

2-Fluorophenol
Concen: 126.644 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Tgt Ion:112 Resp: 350804
Ion Ratio Lower Upper
112 100
64 73.2 56.3 84.5
63 39.8 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: 131.413 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-C01-C01A-D01-D01A

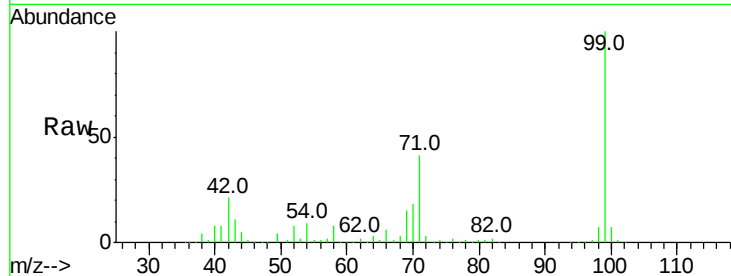
Tot Ion: 99 Resp: 507385

Ion Ratio Lower Upper

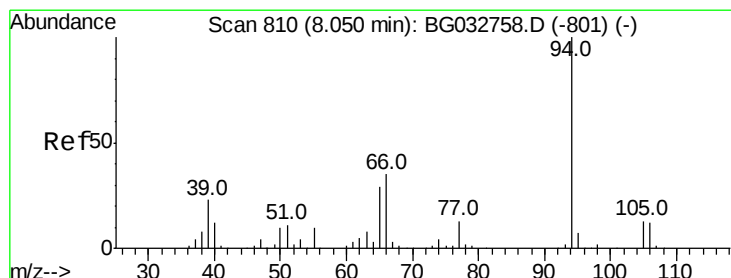
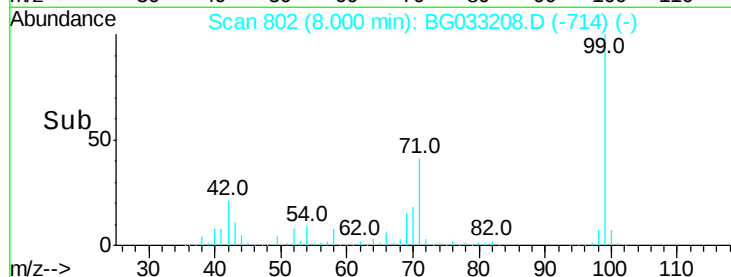
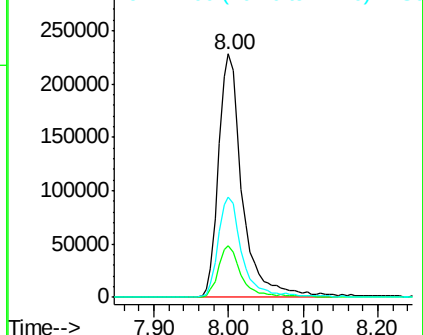
99 100

42 21.1 14.1 21.1

71 41.3 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



#10

Phenol

Concen: 4.339 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

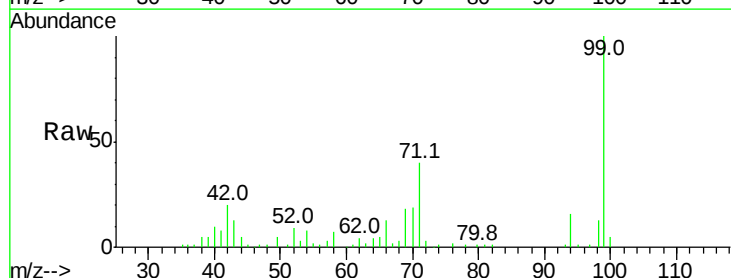
Tgt Ion: 94 Resp: 16886

Ion Ratio Lower Upper

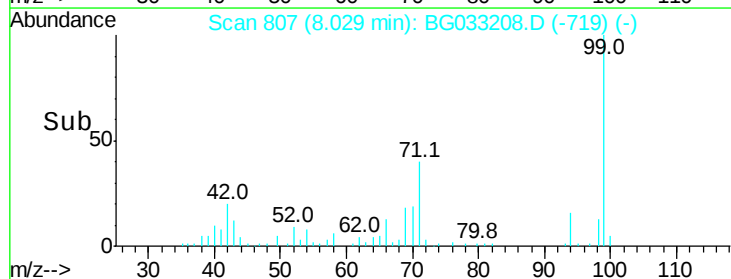
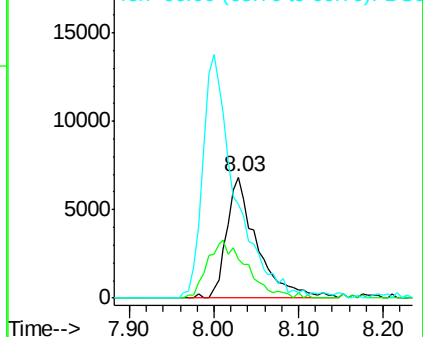
94 100

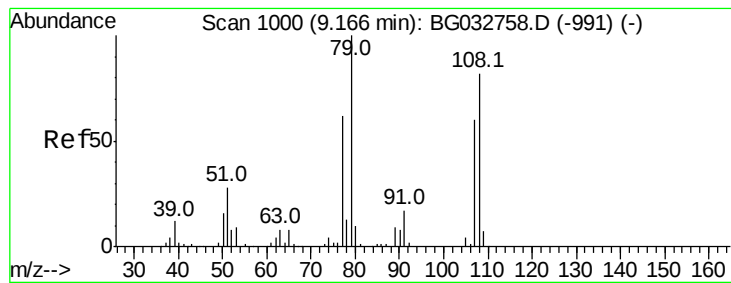
65 31.9 11.9 51.9

66 77.5 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.175 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-C01-C01A-D01-D01A

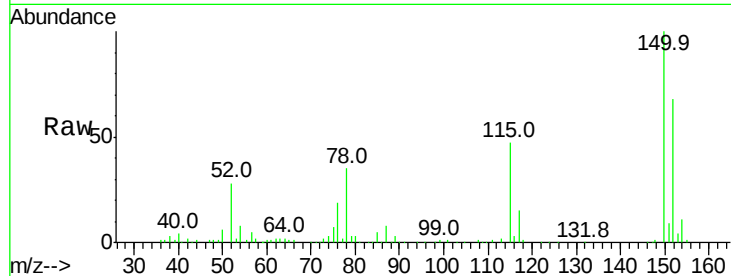
Tot Ion: 79 Resp: 6173

Ion Ratio Lower Upper

79 100

108 23.3 57.2 85.8#

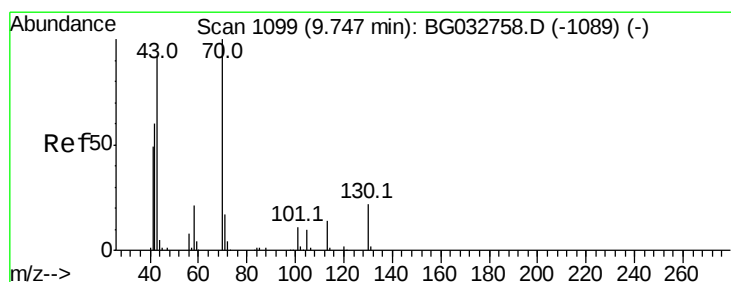
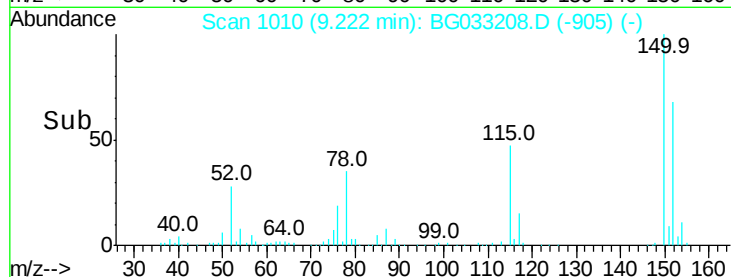
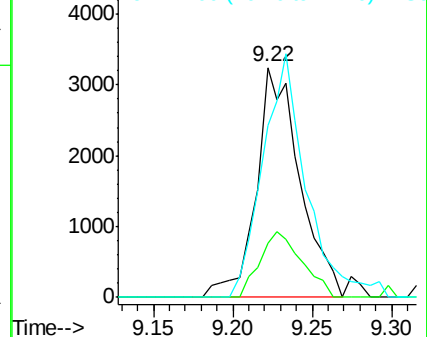
77 75.0 46.1 69.1#



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: 16.161 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.38 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

Tgt Ion: 70 Resp: 44052

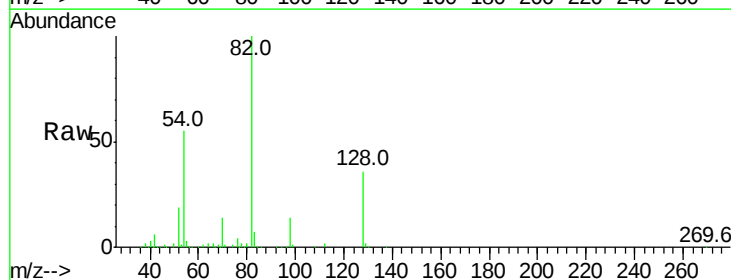
Ion Ratio Lower Upper

70 100

42 43.3 49.1 73.7#

101 0.0 8.5 12.7#

130 3.5 13.4 20.0#

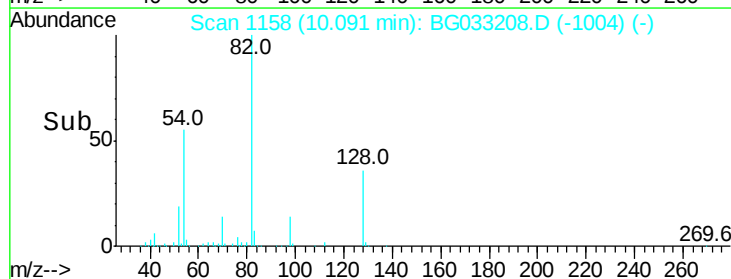
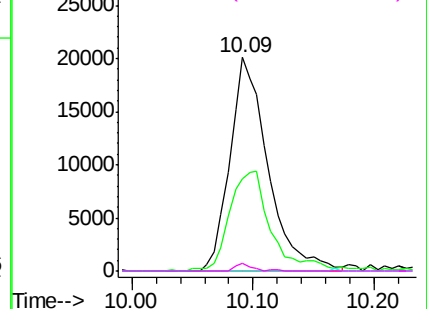


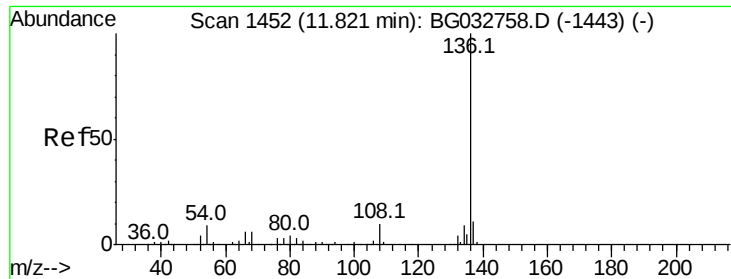
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

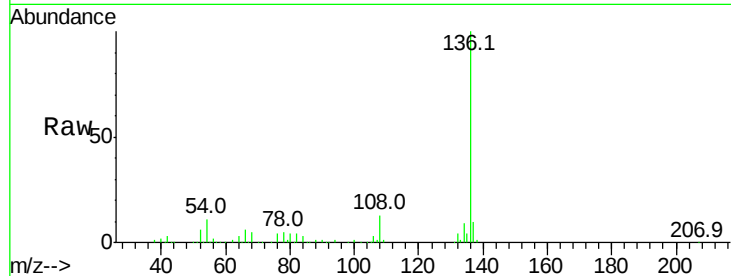




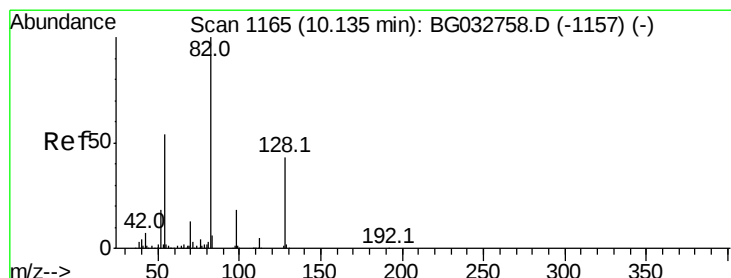
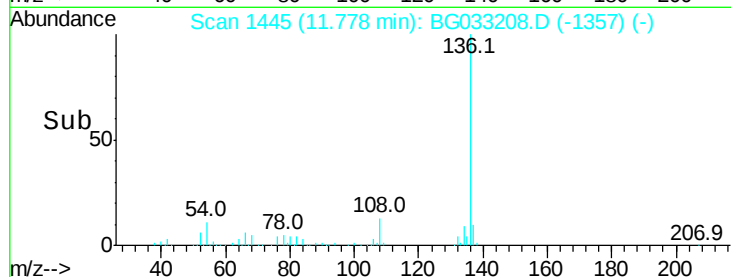
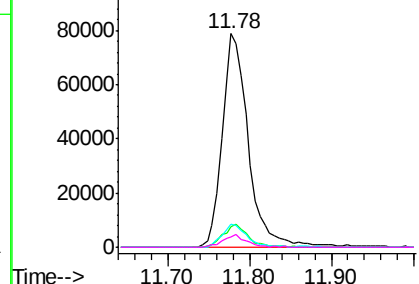
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-C01-C01A-D01-D01A

Tot Ion:136	Resp:	175456	
Ion Ratio	Lower	Upper	
136 100			
137 9.8	9.2	13.8	
54 10.8	10.3	15.5	
68 4.5	4.5	6.7	

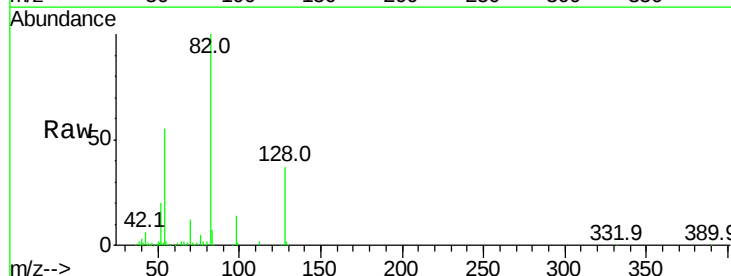


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

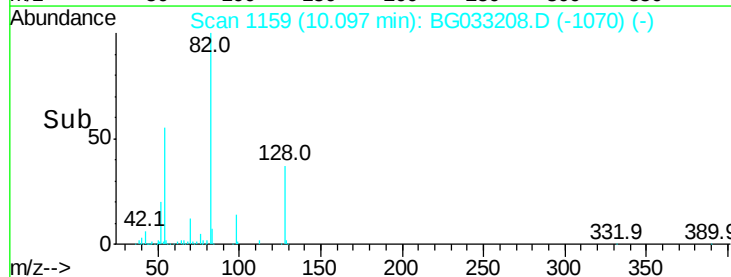
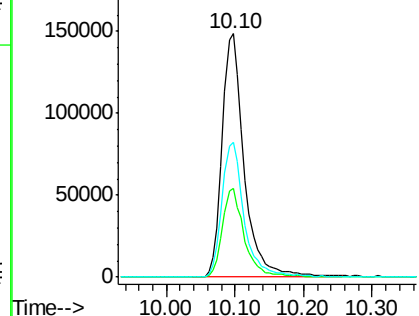


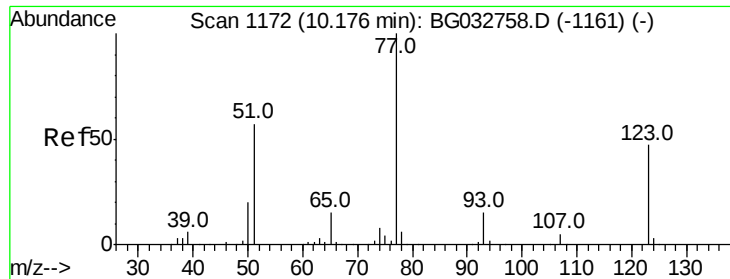
#23
Nitrobenzene-d5
Concen: 125.639 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Tgt Ion: 82	Resp: 331225
Ion Ratio	Lower Upper
82 100	
128 36.5	29.7 44.5
54 55.5	43.1 64.7



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

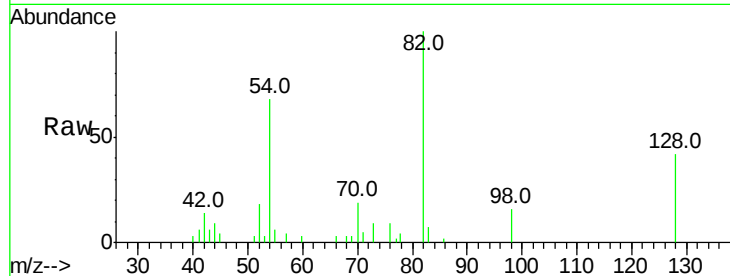




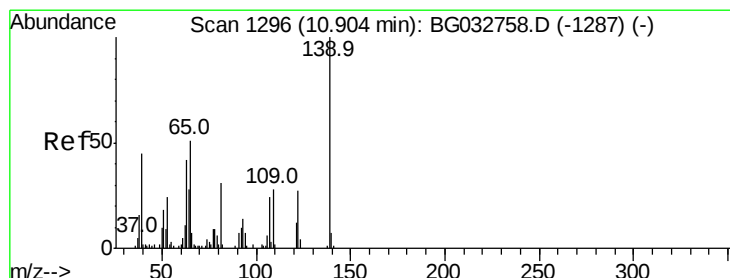
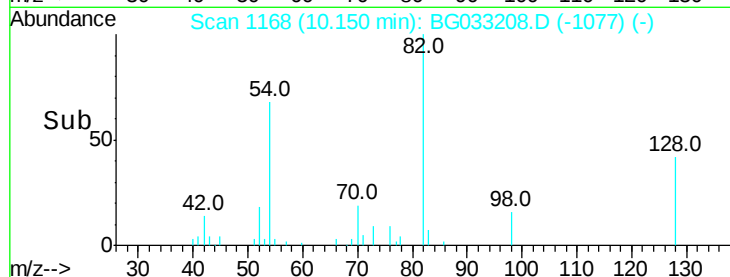
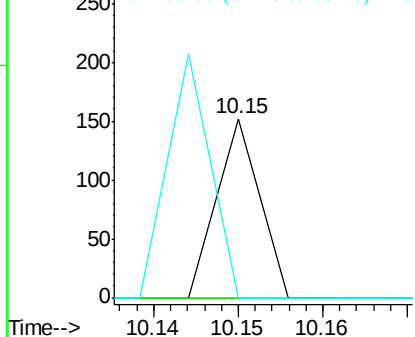
#24
 Nitrobenzene
 Concen: 6.397 ng
 RT: 10.15 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#

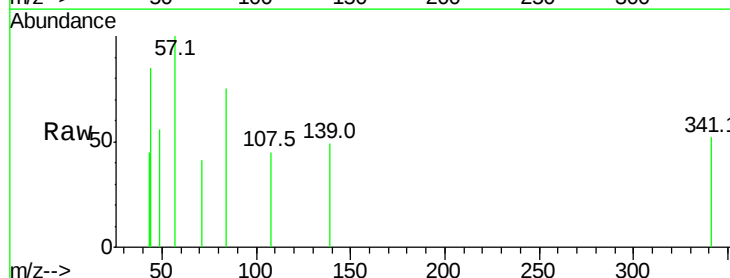


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

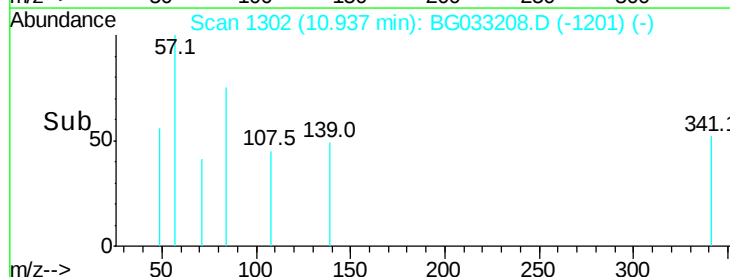
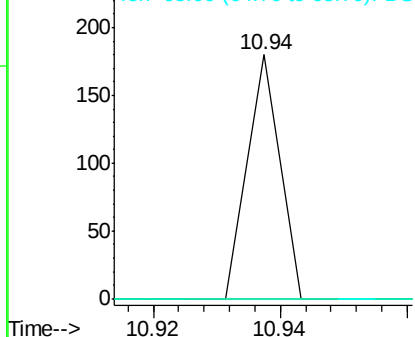


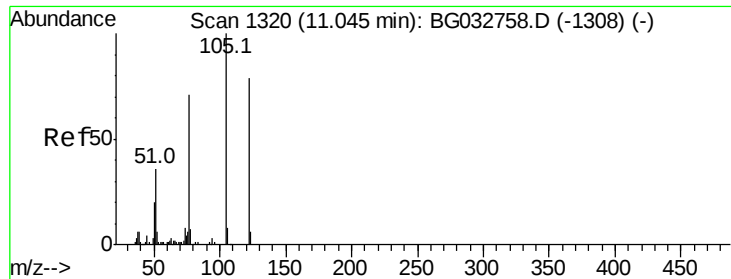
#26
 2-Nitrophenol
 Concen: 5.504 ng
 RT: 10.94 min Scan# 1302
 Delta R.T. 0.07 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Tgt 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): BGC
 Ion 109.00 (108.70 to 109.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#32

Benzoic acid

Concen: 5.855 ng

RT: 11.00 min Scan# 1313

Delta R.T. 0.03 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-C01-C01A-D01-D01A

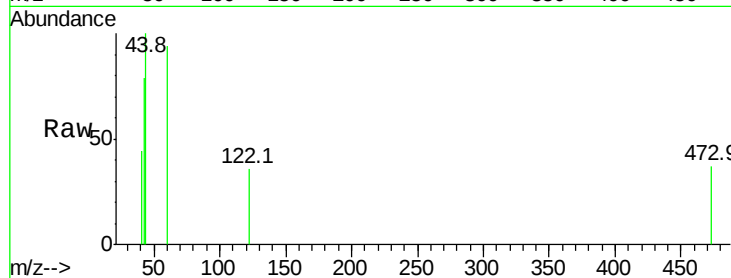
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

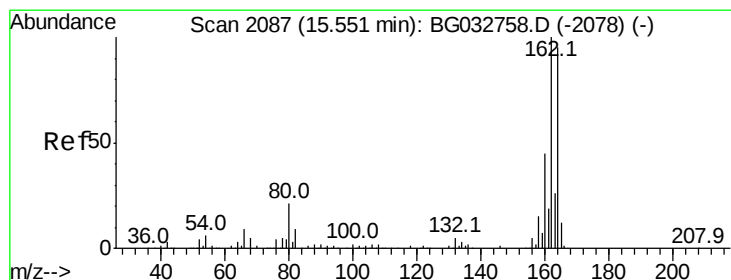
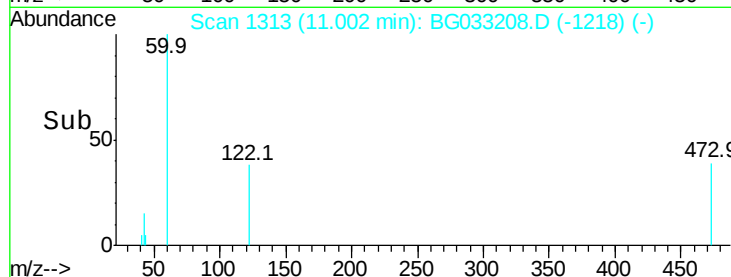


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

Time--> 10.98 11.00 11.02



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

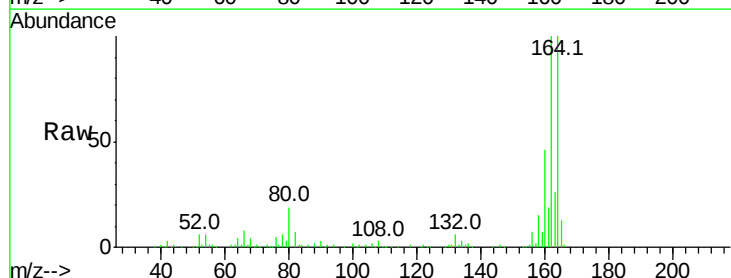
Tgt Ion:164 Resp: 123253

Ion Ratio Lower Upper

164 100

162 100.0 78.8 118.2

160 45.8 35.4 53.0

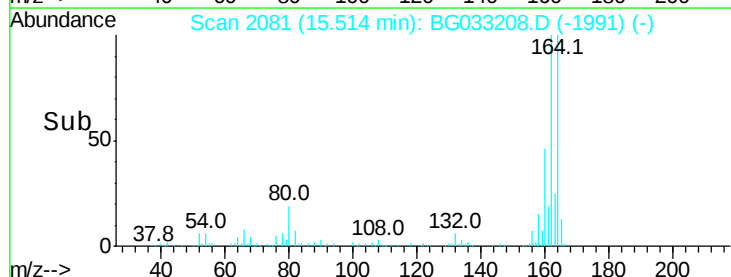


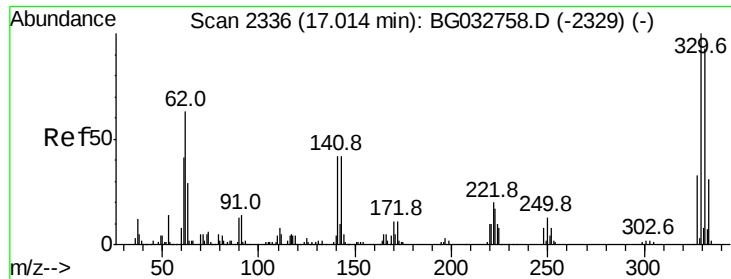
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time--> 15.40 15.50 15.60

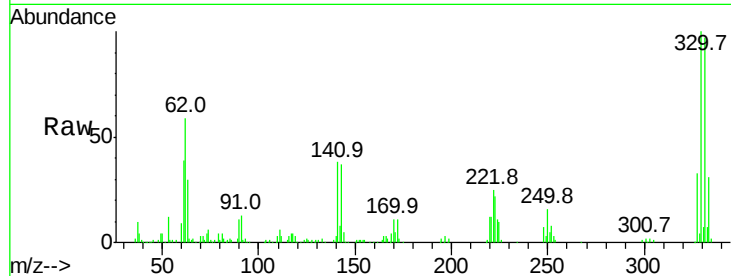




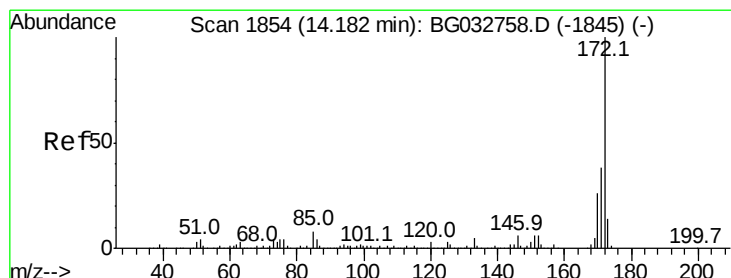
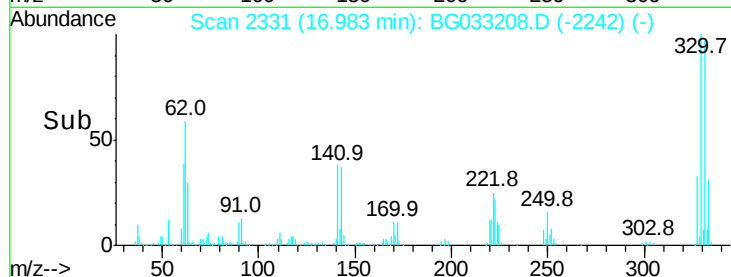
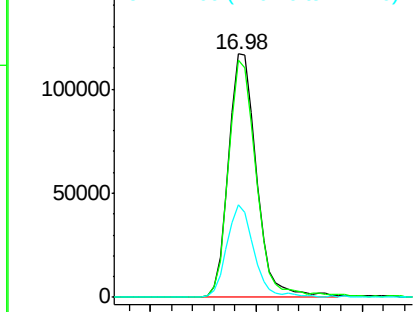
#41
 2,4,6-Tribromophenol
 Concen: 165.062 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

Tot Ion:330 Resp: 213914
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 36.9 25.2 37.8

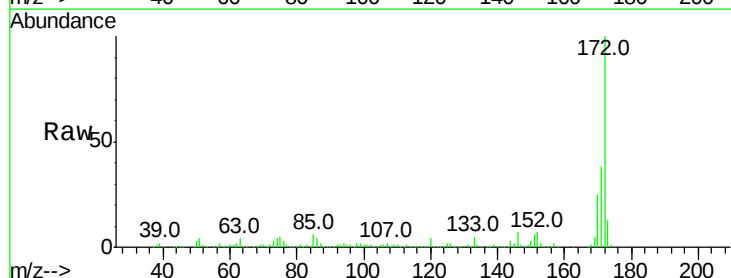


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

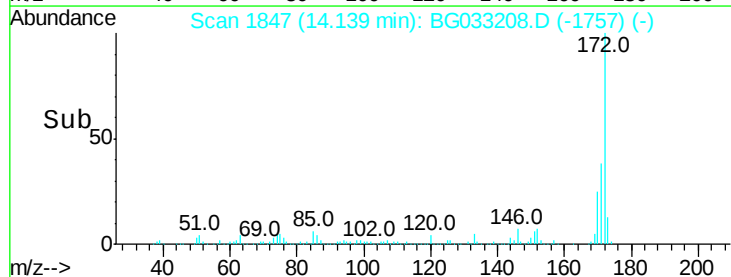
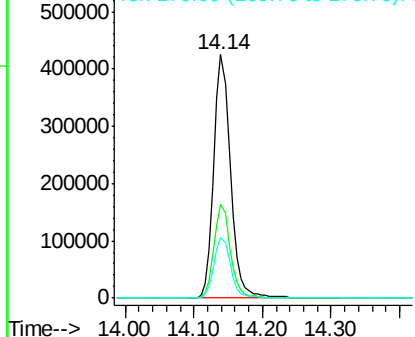


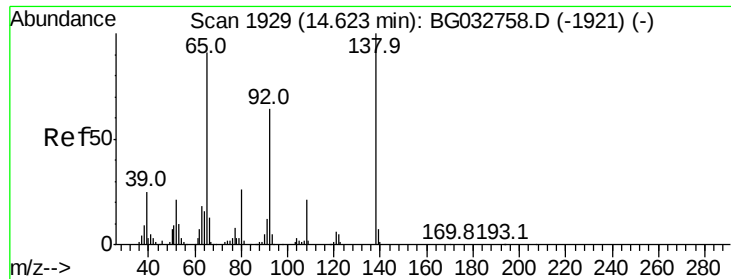
#44
 2-Fluorobiphenyl
 Concen: 84.433 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Tgt Ion:172 Resp: 721557
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.1 19.5 29.3



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

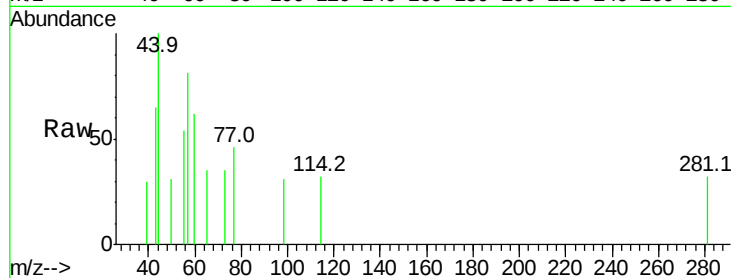




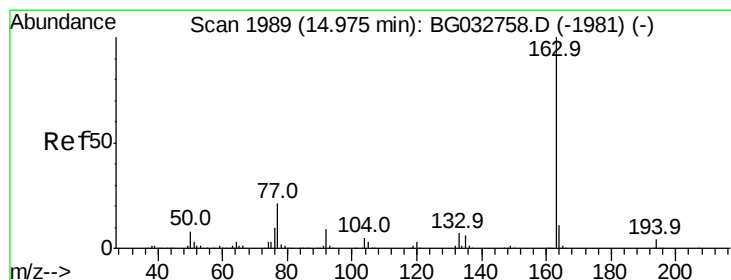
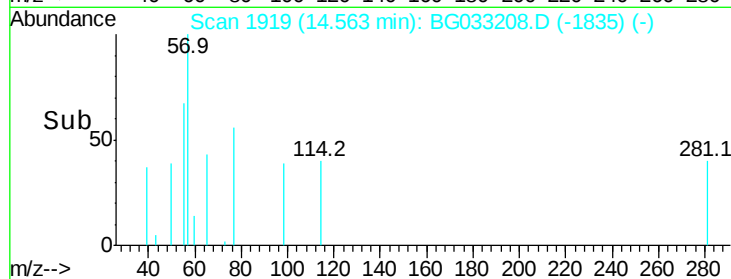
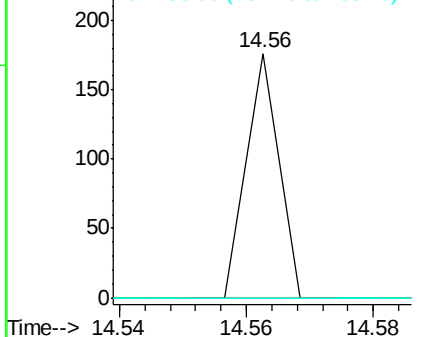
#47
2-Nitroaniline
Concen: 9.860 ng
RT: 14.56 min Scan# 1919
Delta R.T. -0.04 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-C01-C01A-D01-D01A

Tot Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

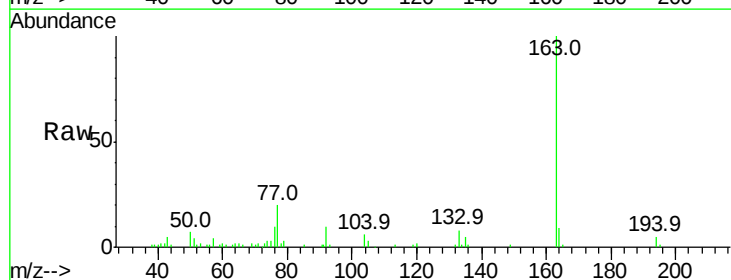


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

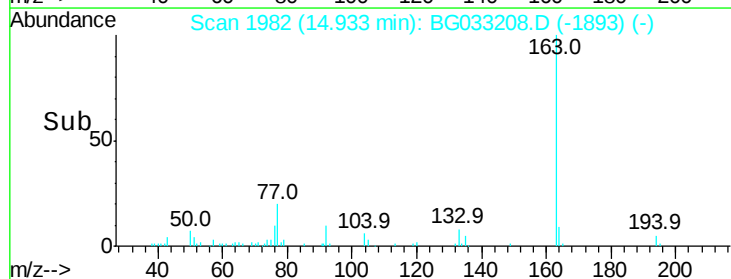
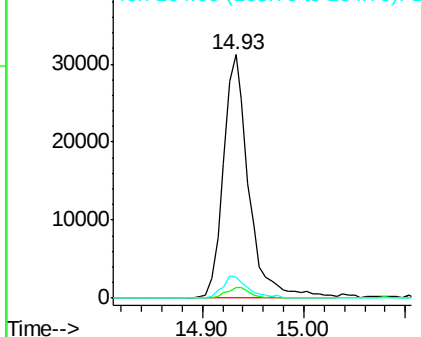


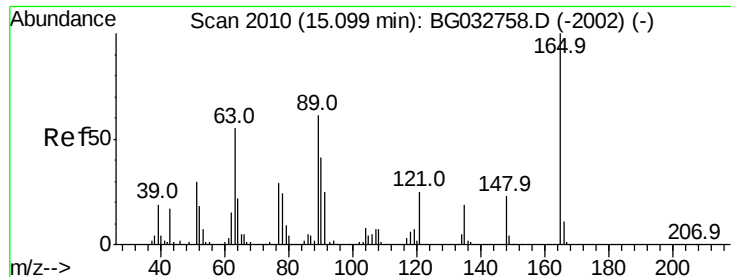
#49
Dimethylphthalate
Concen: 5.193 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Tgt Ion: 163 Resp: 54342
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 8.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC





#50

2,6-Dinitrotoluene

Concen: 16.403 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.43 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

Instrument :

BNA_G

ClientSampleId :

FK-BPM-01-C01-C01A-D01-D01A

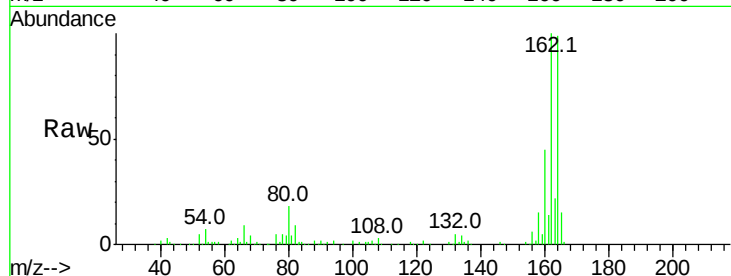
Tot Ion:165 Resp: 15959

Ion Ratio Lower Upper

165 100

63 2.3 52.7 79.1#

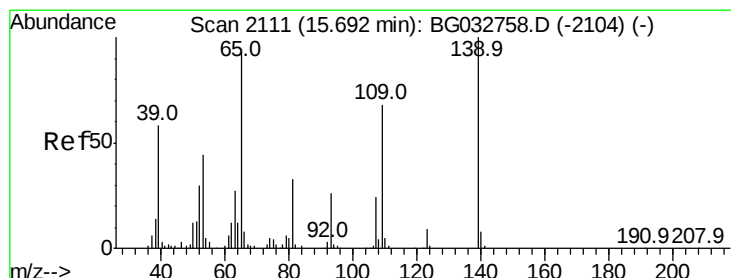
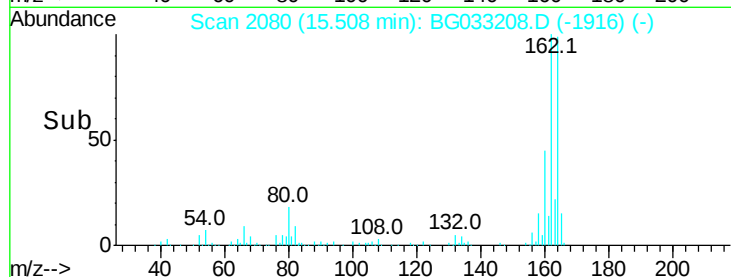
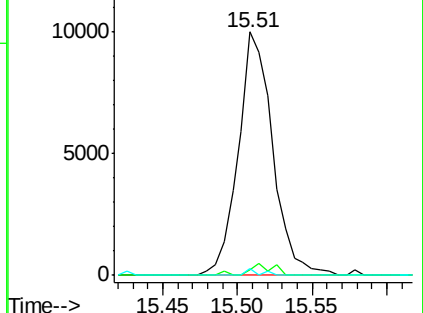
89 2.5 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55

4-Nitrophenol

Concen: 7.131 ng

RT: 15.81 min Scan# 2132

Delta R.T. 0.12 min

Lab File: BG033208.D

Acq: 16 Mar 2018 20:32

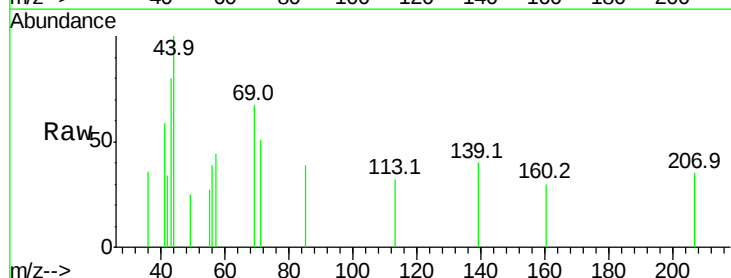
Tgt Ion:139 Resp: 94

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

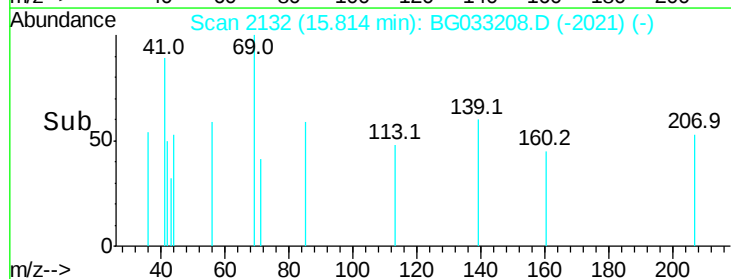
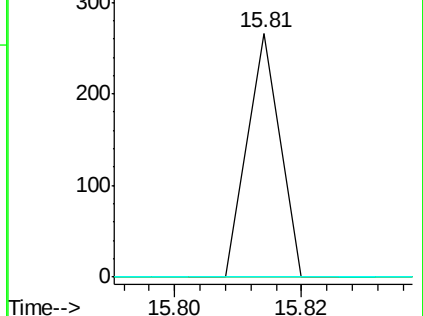
65 0.0 97.2 137.2#

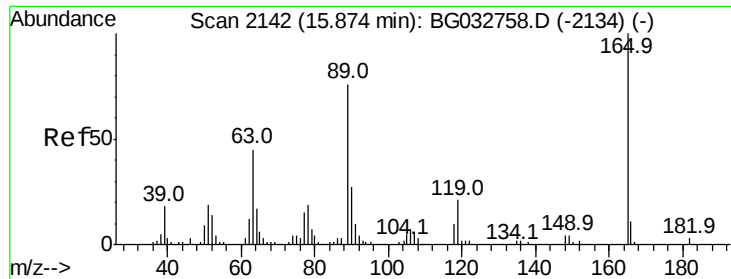


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

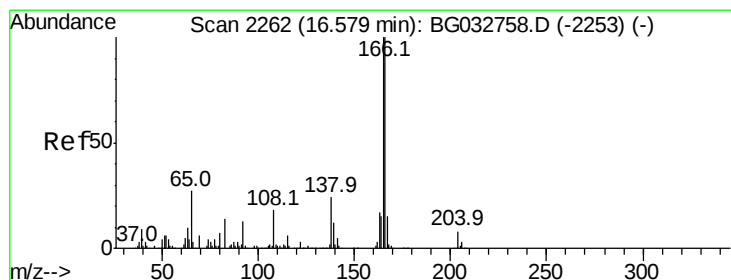
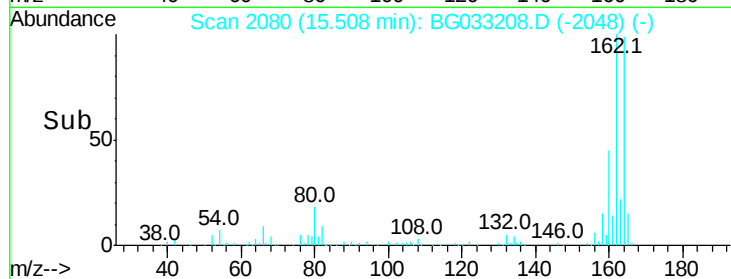
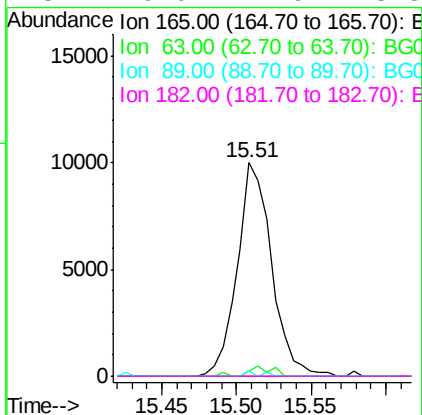
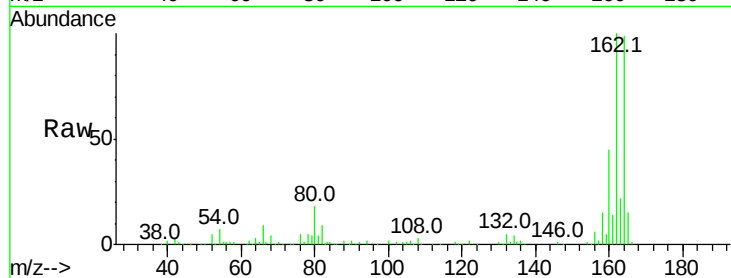




#56
 2,4-Dinitrotoluene
 Concen: 14.601 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.34 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

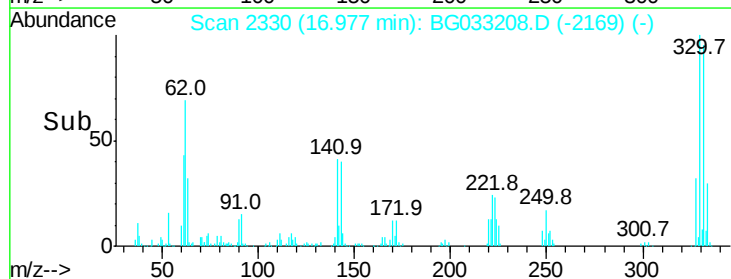
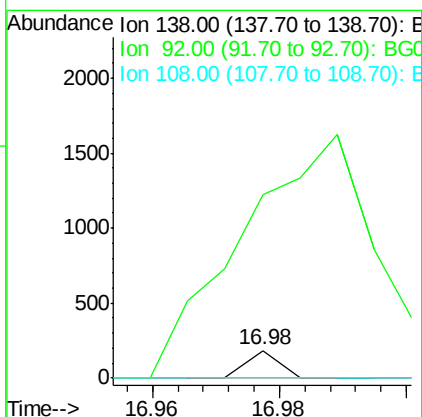
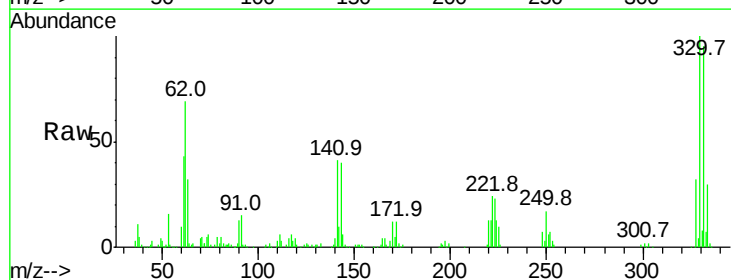
Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

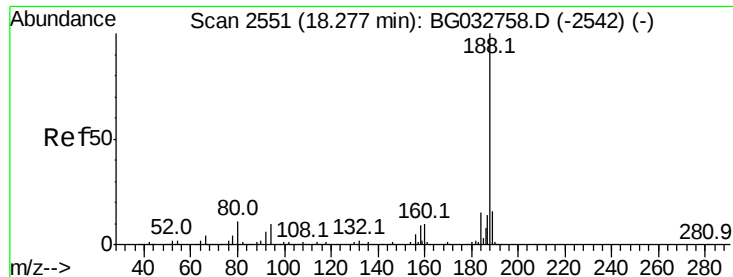
Tot Ion:	165	Resp:	15959
Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#



#61
 4-Nitroaniline
 Concen: 5.325 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. 0.41 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Tgt Ion:	138	Resp:	65
Ion	Ratio	Lower	Upper
138	100		
92	661.1	40.1	80.1#
108	0.0	65.4	105.4#

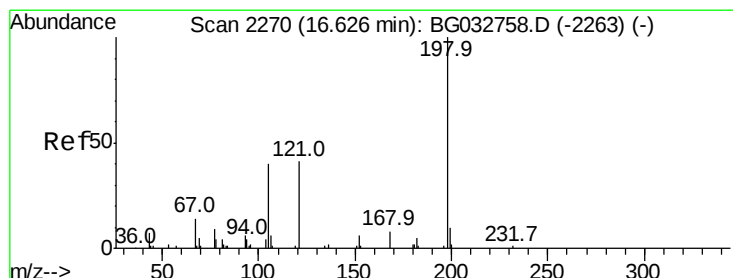
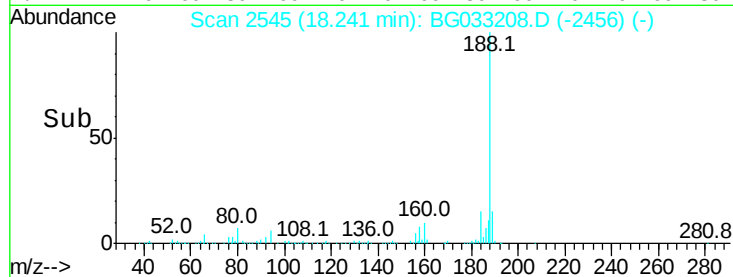
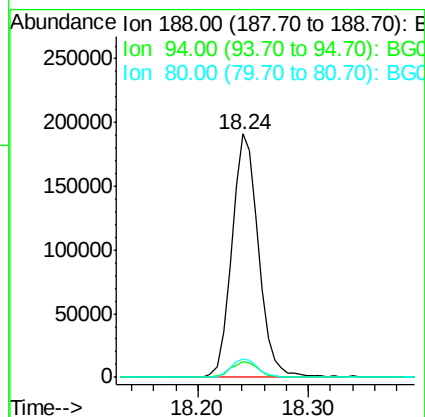
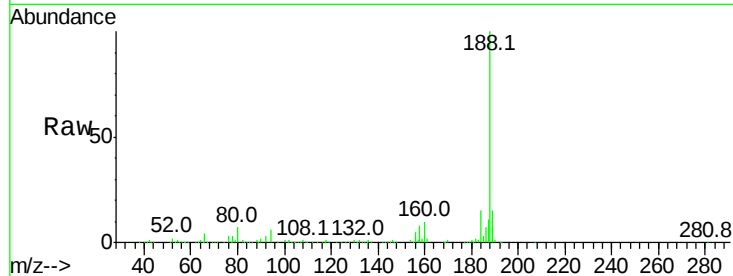




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

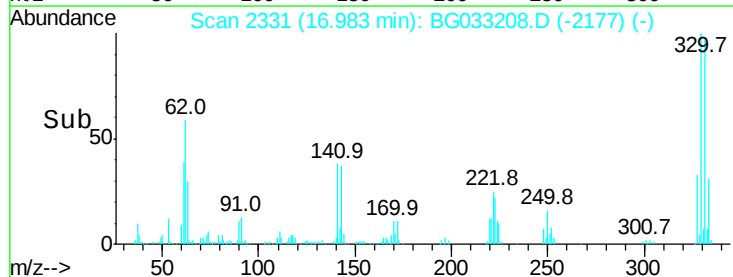
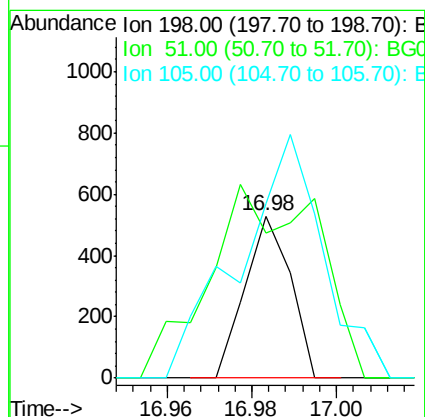
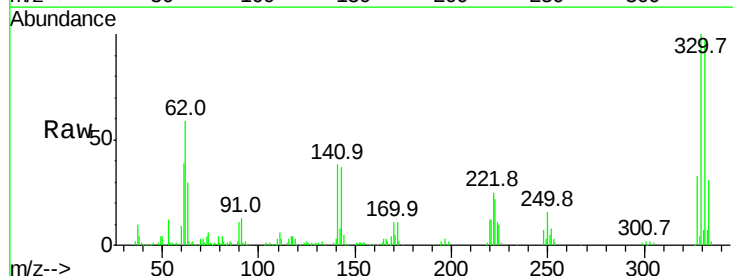
Instrument :
BNA_G
ClientSampleId :
FK-BPM-01-C01-C01A-D01-D01A

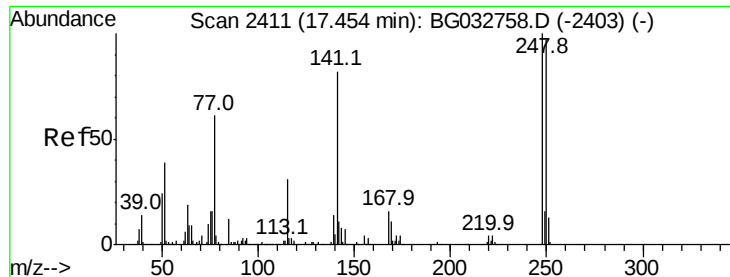
Tot Ion:188 Resp: 322653
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.469 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.37 min
Lab File: BG033208.D
Acq: 16 Mar 2018 20:32

Tgt Ion:198 Resp: 395
Ion Ratio Lower Upper
198 100
51 90.0 30.6 70.6#
105 107.6 23.8 63.8#

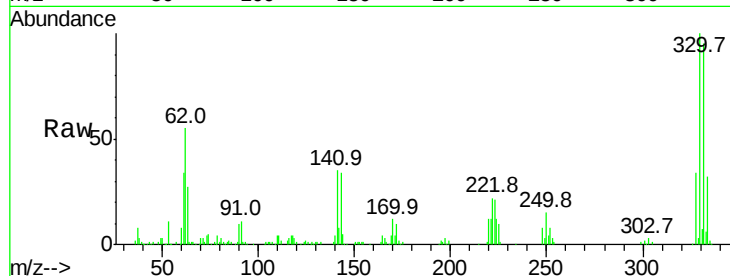




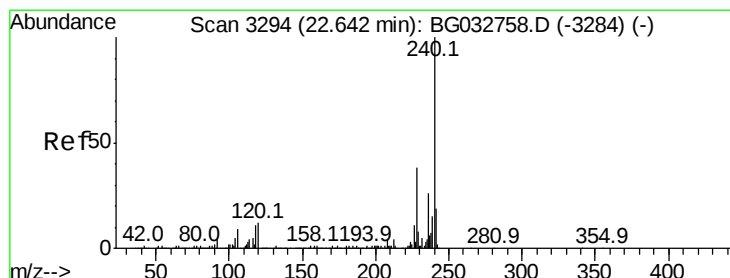
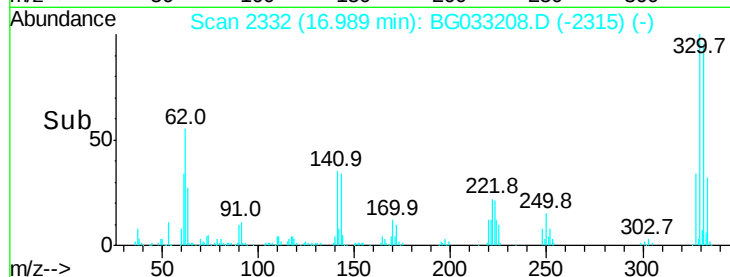
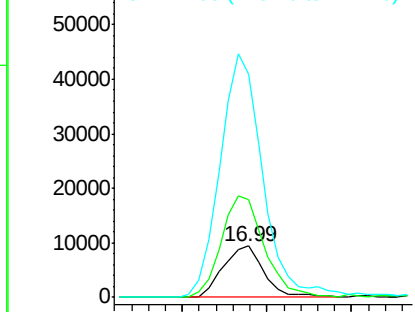
#66
 4-Bromophenyl-phenylether
 Concen: 4.589 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

Tot Ion:248 Resp: 15656
 Ion Ratio Lower Upper
 248 100
 250 191.6 77.1 115.7#
 141 438.2 50.8 76.2#

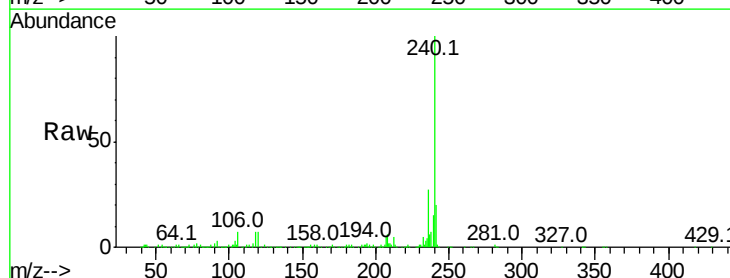


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

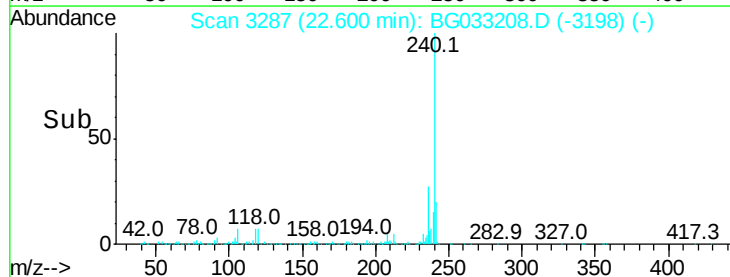
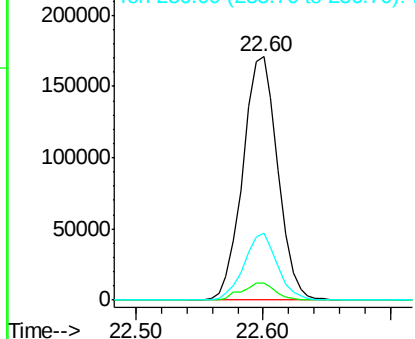


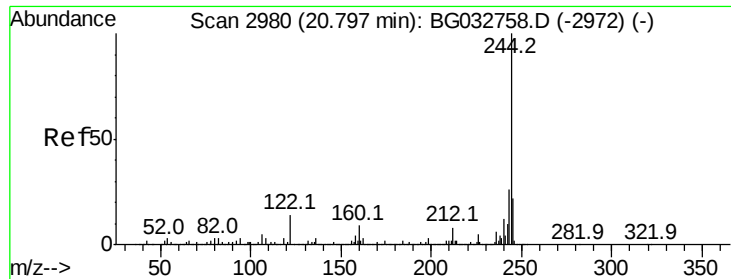
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Tgt Ion:240 Resp: 327465
 Ion Ratio Lower Upper
 240 100
 120 6.9 6.8 10.2
 236 27.3 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

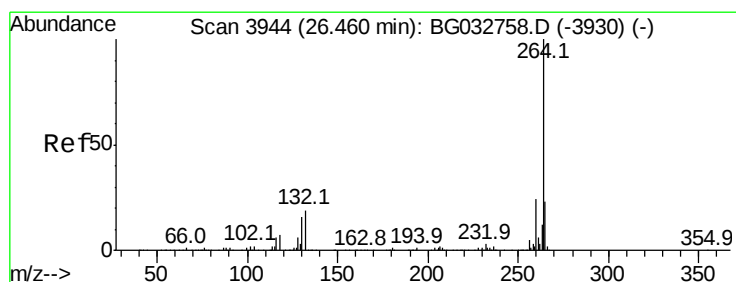
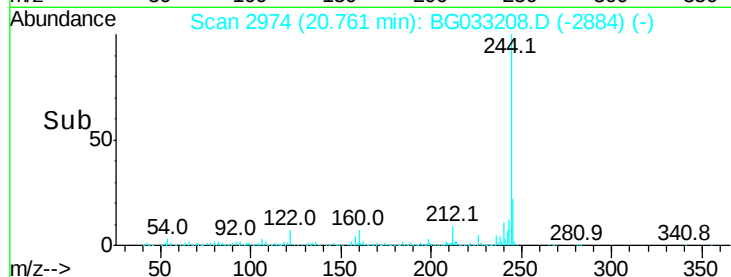
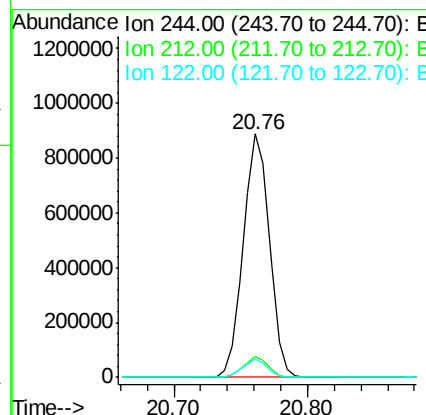
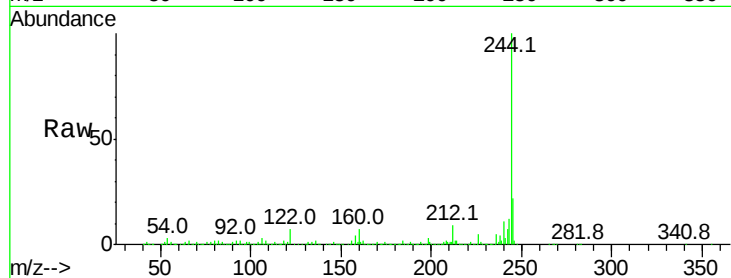




#78
 Terphenyl-d14
 Concen: 82.631 ng
 RT: 20.76 min Scan# 2974
 Delta R.T. -0.00 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-01-C01-C01A-D01-D01A

Tot Ion:244 Resp: 1204362
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.8 8.8
 122 7.4 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3933
 Delta R.T. -0.01 min
 Lab File: BG033208.D
 Acq: 16 Mar 2018 20:32

Tgt Ion:264 Resp: 352156
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.4 26.0
 265 20.4 17.7 26.5

