

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032978.D
 Acq On : 3 Mar 2018 12:22
 Operator : SJ/JU
 Sample : J1751-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:37:28 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

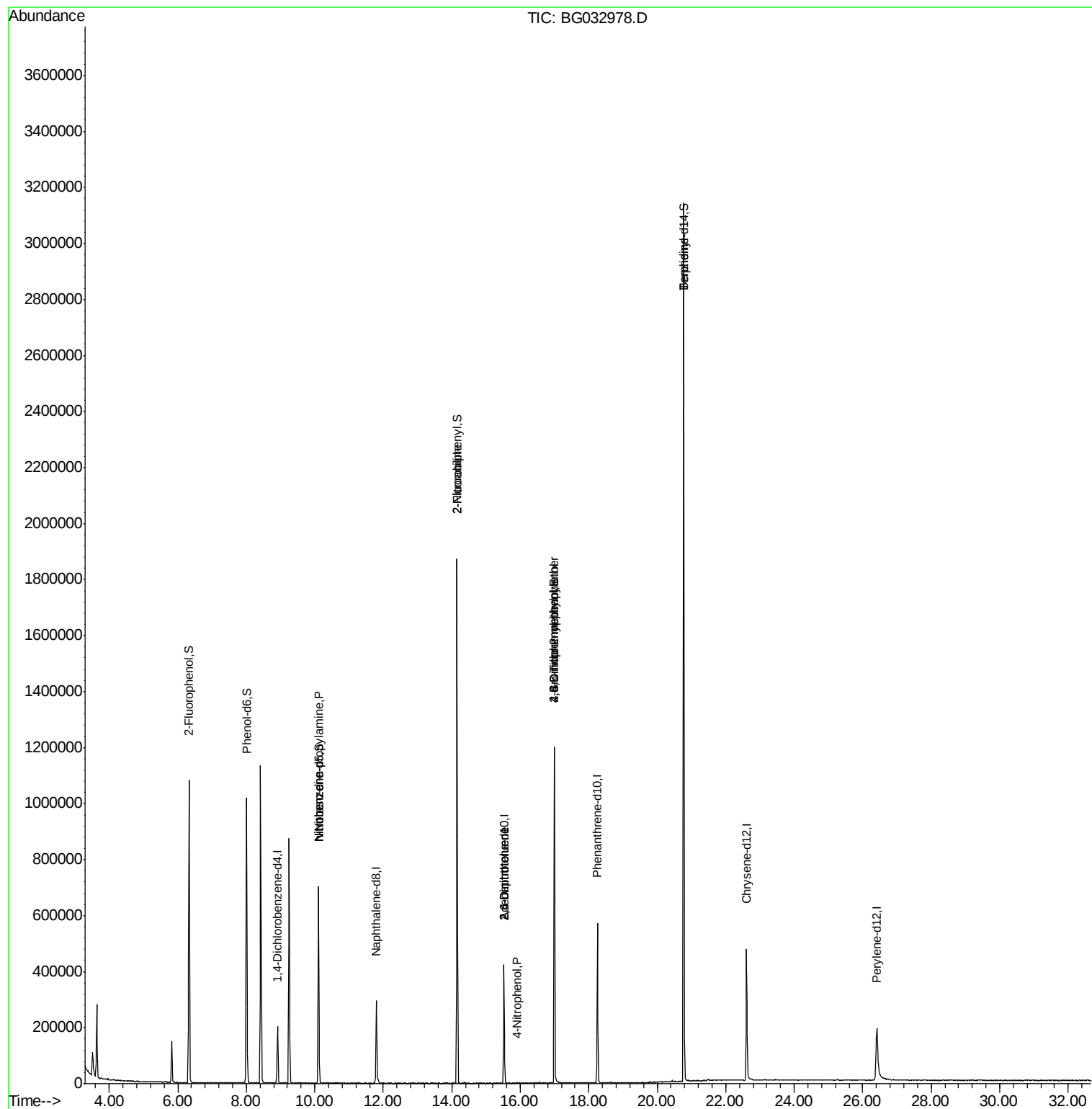
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	62669	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	264610	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	147982	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	342182	20.00	ng	0.00
75) Chrysene-d12	22.61	240	313268	20.00	ng	-0.01
86) Perylene-d12	26.42	264	286430	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	509949	130.18	ng	0.00
7) Phenol-d6	8.01	99	626308	114.71	ng	0.00
23) Nitrobenzene-d5	10.11	82	441796	112.26	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	213176	137.00	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	960831	93.64	ng	-0.01
78) Terphenyl-d14	20.77	244	1440978	103.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	57749	14.982	ng	# 86
24) Nitrobenzene	10.11	77	1338	6.655	ng	# 48
47) 2-Nitroaniline	14.16	65	1695	10.389	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	18700	16.223	ng	# 20
55) 4-Nitrophenol	15.91	139	641	7.364	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	18700	14.420	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	715	5.836	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15771	4.359	ng	# 1
76) Benzidine	20.77	184	25403	2.379	ng	# 90

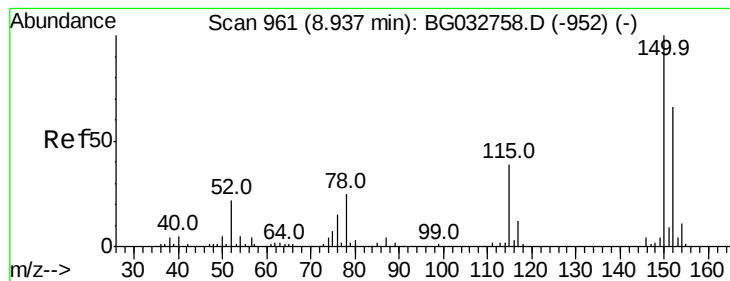
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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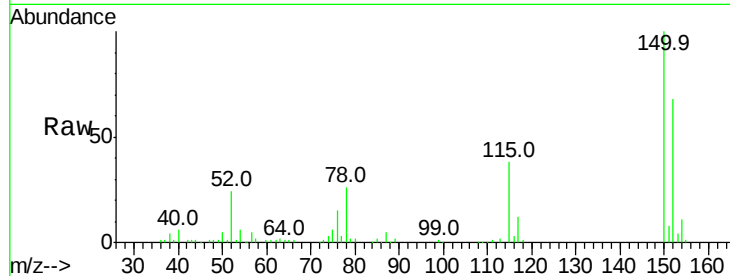


#1

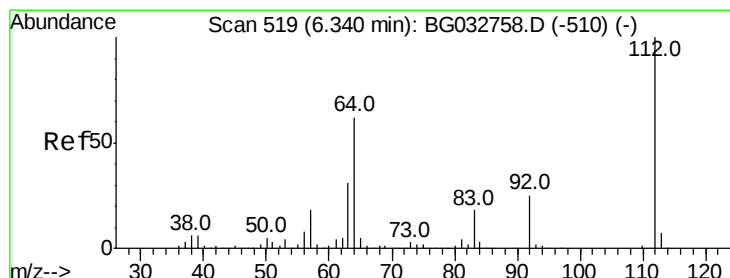
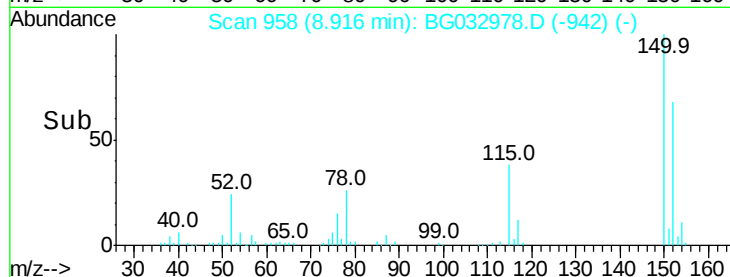
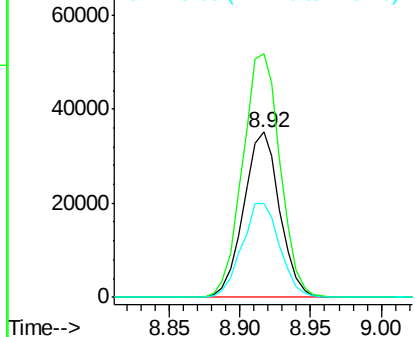
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62669
Ion Ratio Lower Upper
152 100
150 147.3 126.6 189.8
115 56.7 53.0 79.4



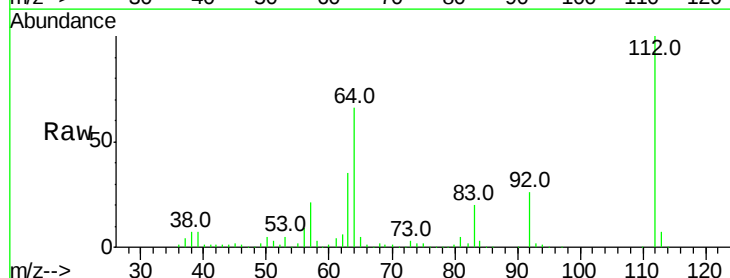
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



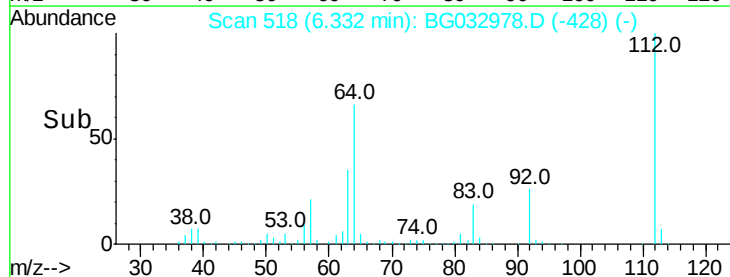
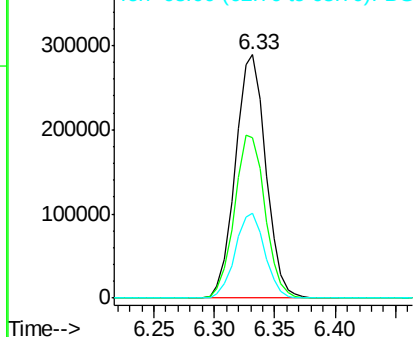
#5

2-Fluorophenol
Concen: 130.183 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

Tgt Ion:112 Resp: 509949
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 34.6 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: 114.709 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

Instrument :

BNA_G

ClientSampled :

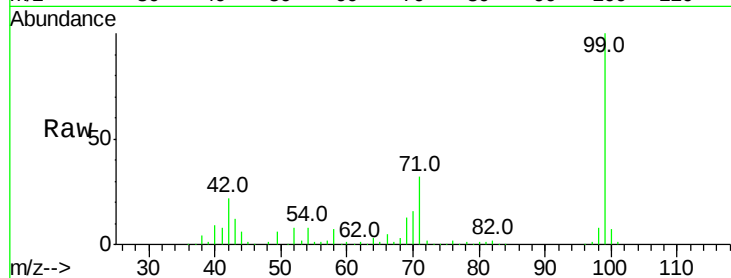
Tot Ion: 99 Resp: 626308

Ion Ratio Lower Upper

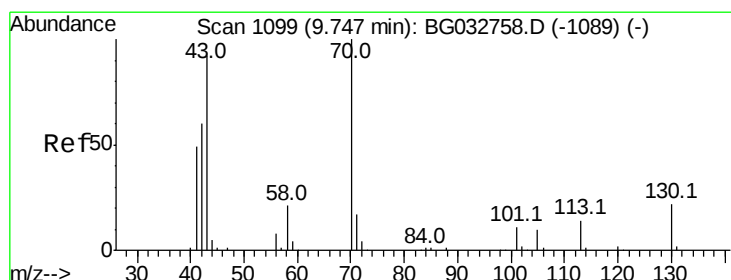
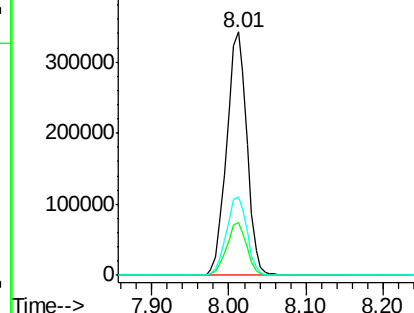
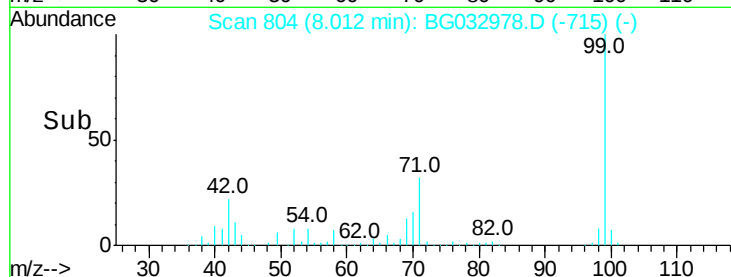
99 100

42 21.6 14.1 21.1#

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.982 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

Tgt Ion: 70 Resp: 57749

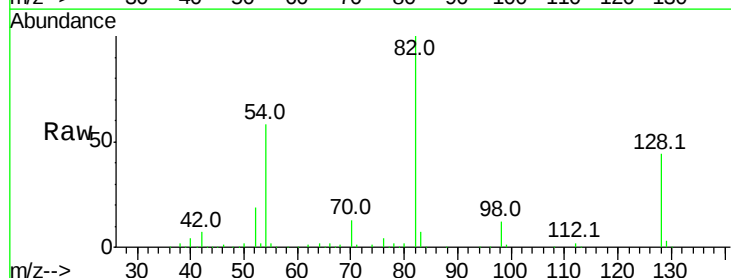
Ion Ratio Lower Upper

70 100

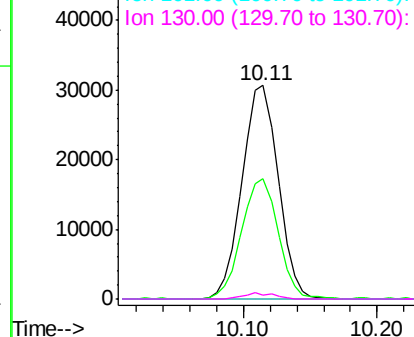
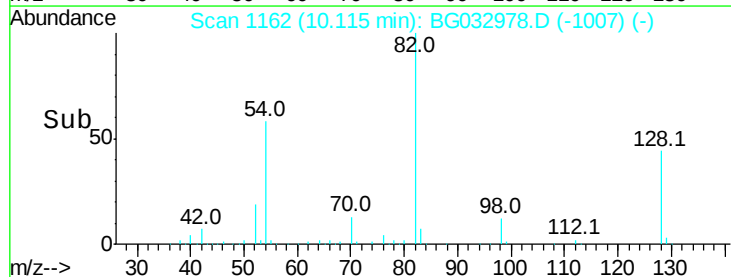
42 56.3 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



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

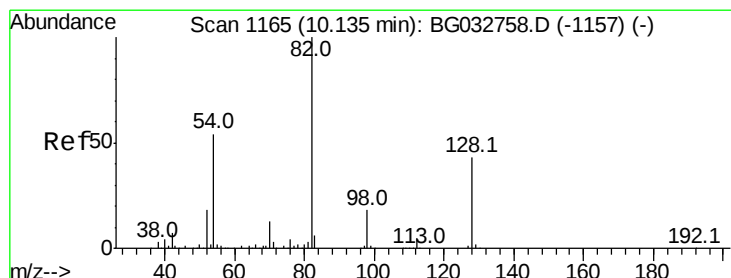
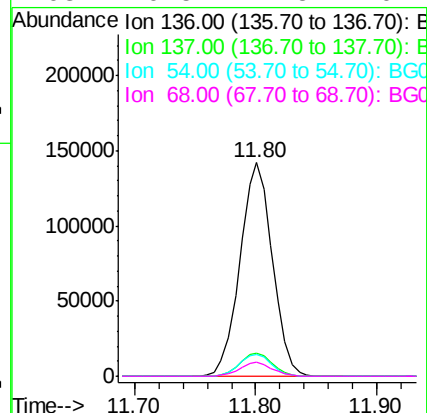
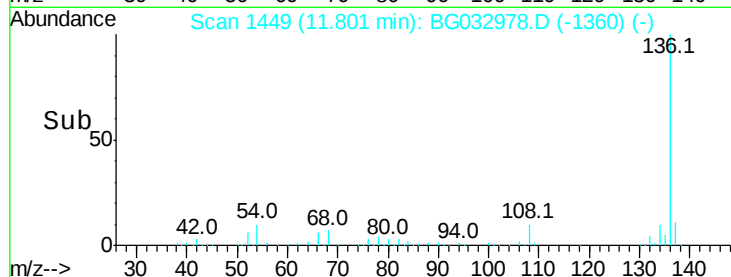
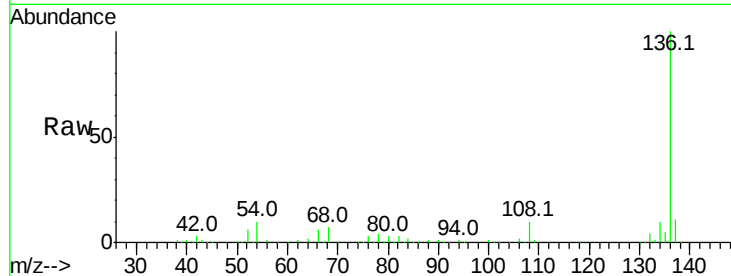




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

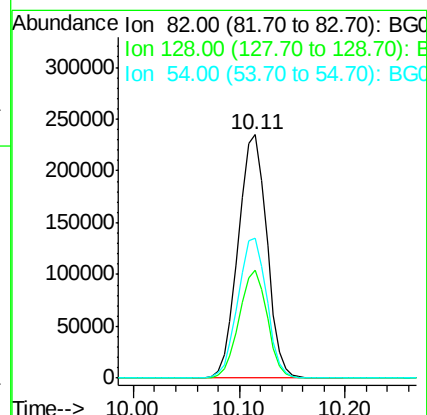
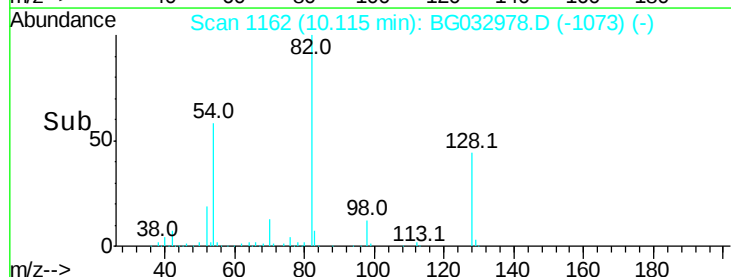
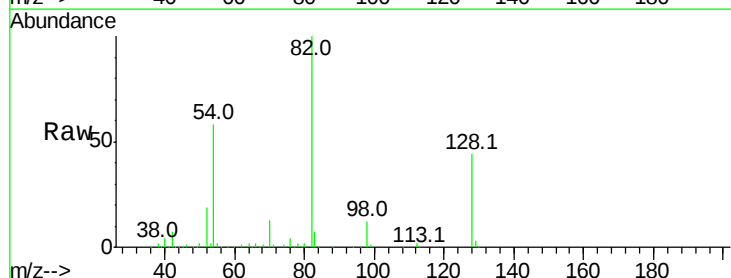
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 264610
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.1 10.3 15.5#
68 6.5 4.5 6.7



#23
Nitrobenzene-d5
Concen: 112.264 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

Tgt Ion: 82 Resp: 441796
Ion Ratio Lower Upper
82 100
128 44.3 29.7 44.5
54 57.6 43.1 64.7

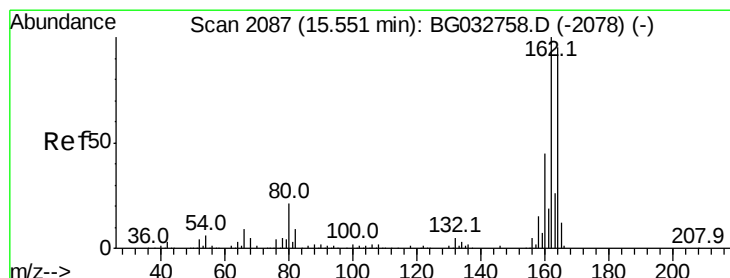
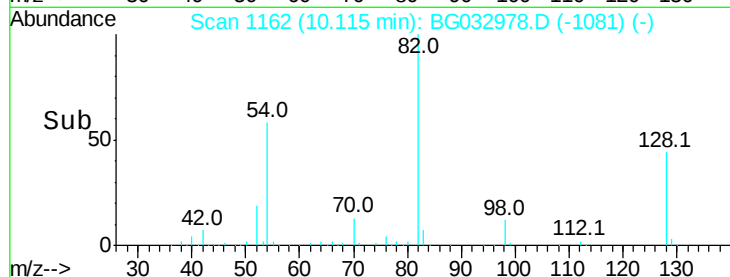
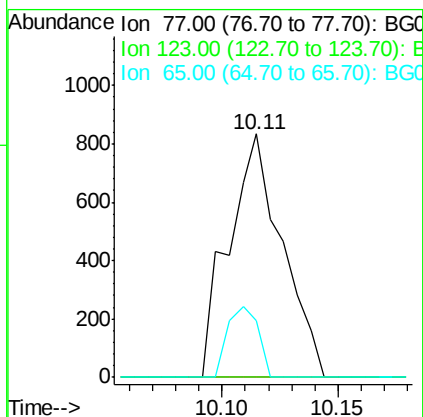
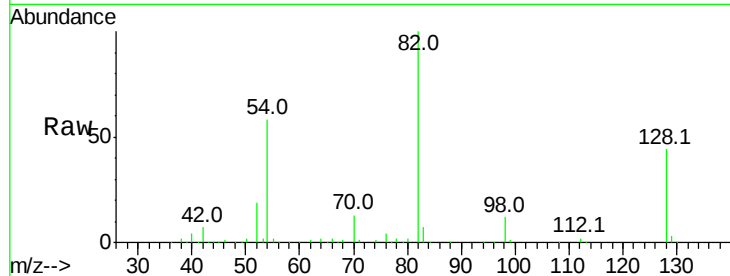




#24
 Nitrobenzene
 Concen: 6.655 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

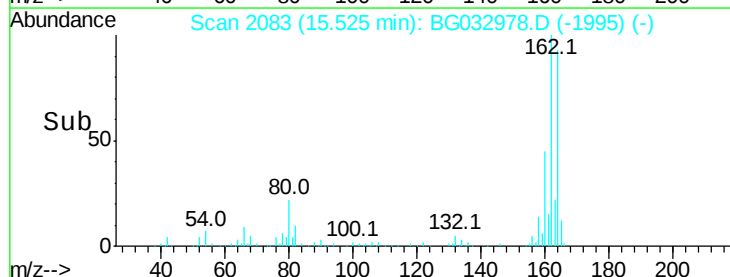
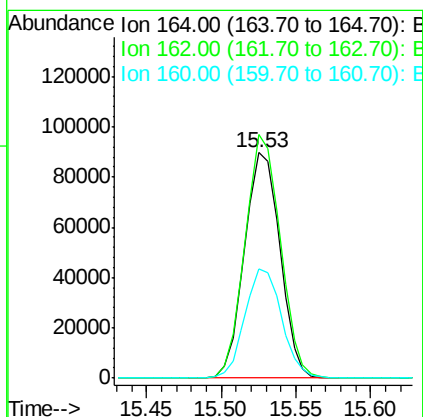
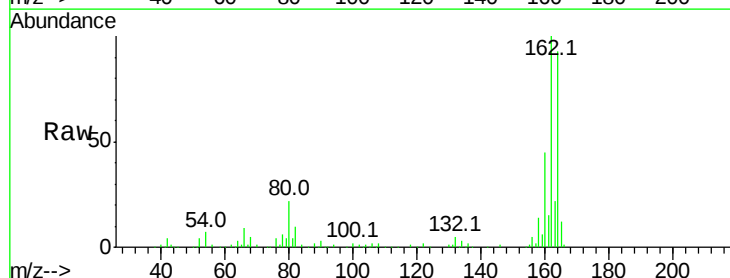
Instrument :
 BNA_G
 ClientSampleId :

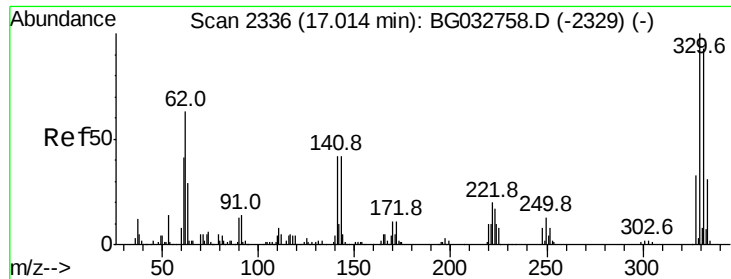
Tot Ion: 77 Resp: 1338
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 23.1 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Tgt Ion:164 Resp: 147982
 Ion Ratio Lower Upper
 164 100
 162 108.1 78.8 118.2
 160 48.4 35.4 53.0

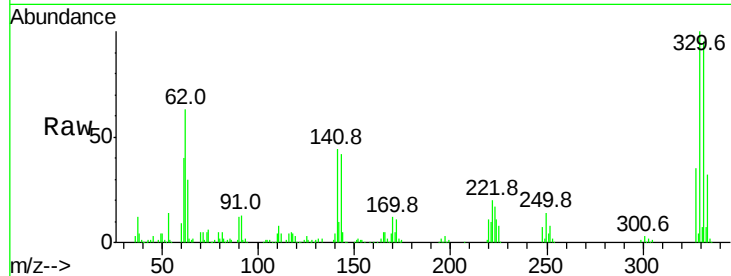




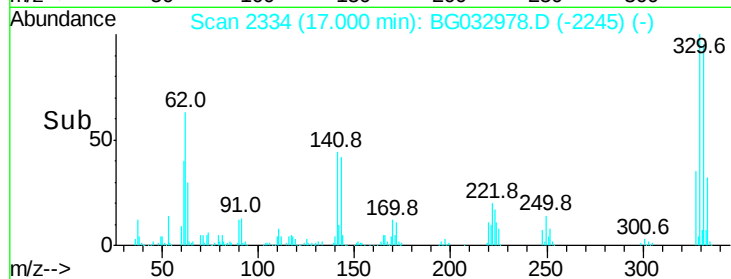
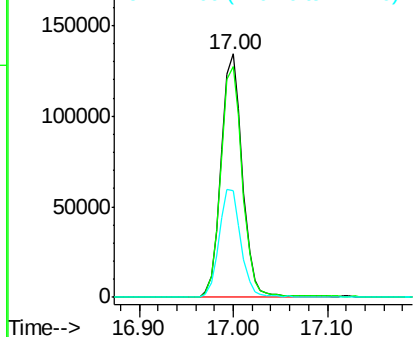
#41
 2,4,6-Tribromophenol
 Concen: 137.004 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 213176
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 45.2 25.2 37.8#

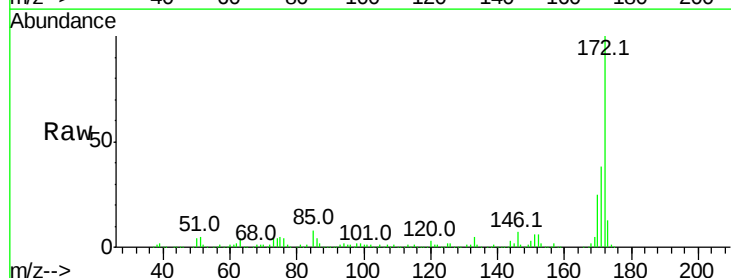


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

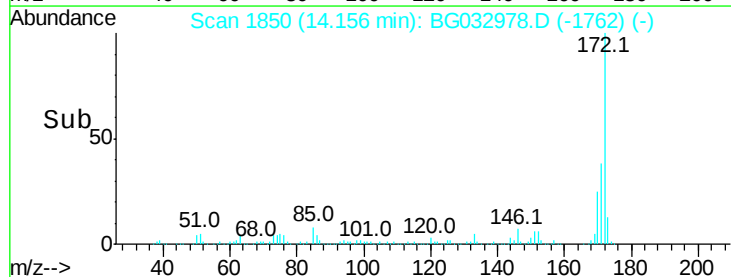
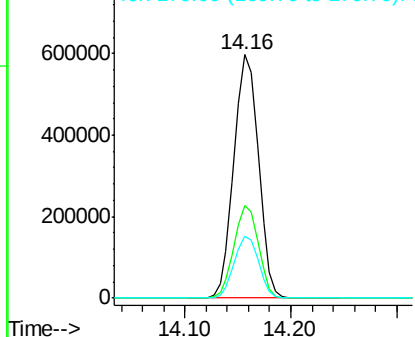


#44
 2-Fluorobiphenyl
 Concen: 93.644 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Tgt Ion:172 Resp: 960831
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 25.3 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: 10.389 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.46 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

Instrument :

BNA_G

ClientSampleId :

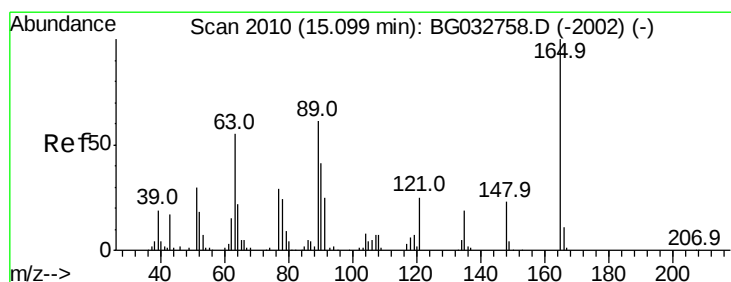
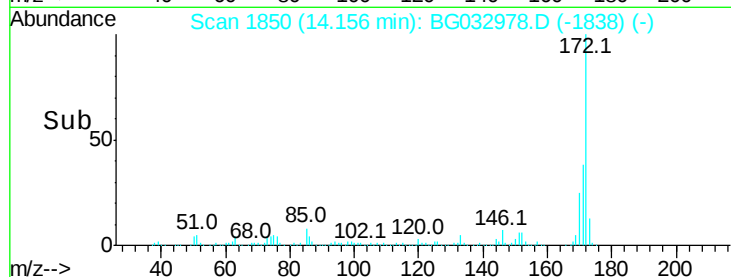
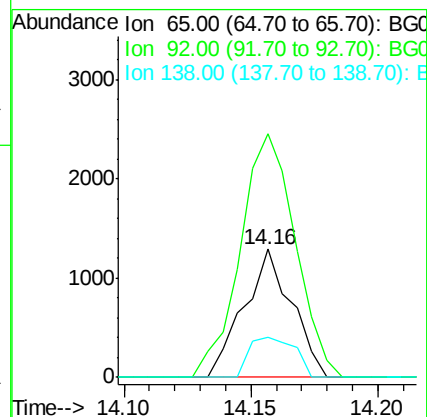
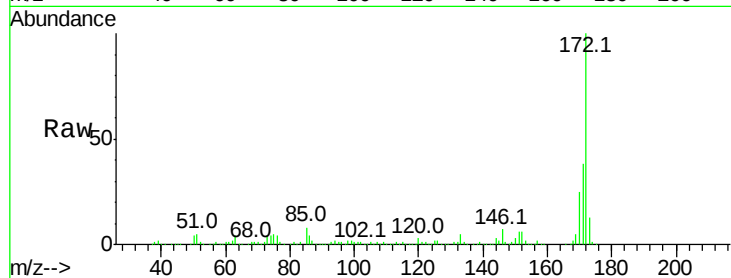
Tot Ion: 65 Resp: 1695

Ion Ratio Lower Upper

65 100

92 190.1 54.6 82.0#

138 31.2 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.223 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

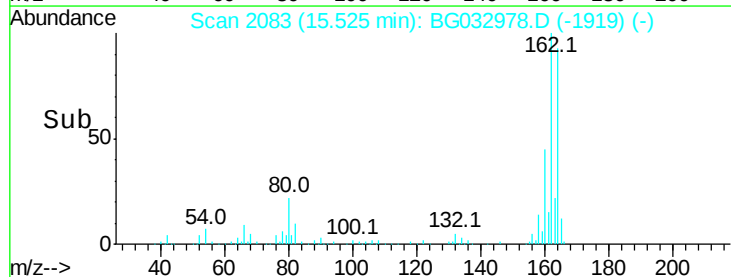
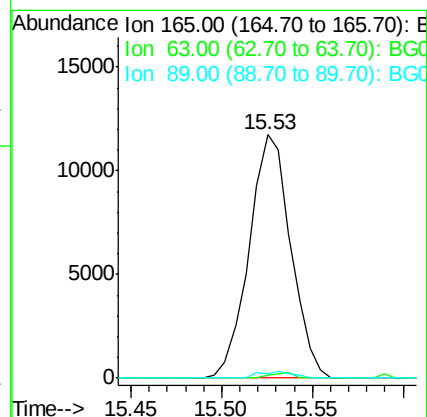
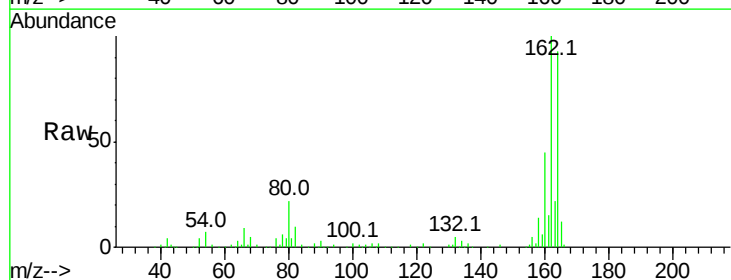
Tgt Ion:165 Resp: 18700

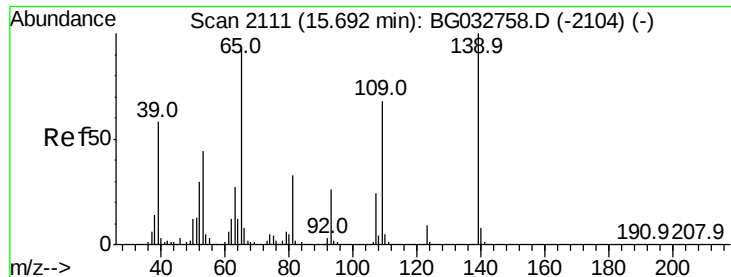
Ion Ratio Lower Upper

165 100

63 1.4 52.7 79.1#

89 2.0 49.2 73.8#

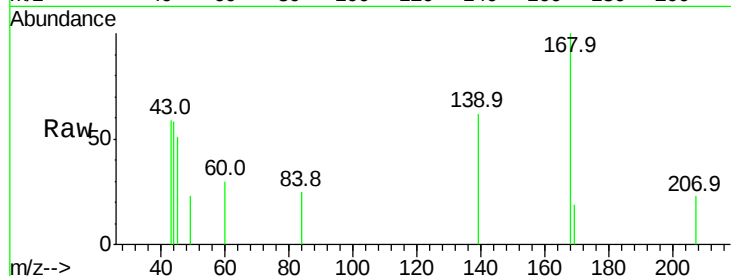




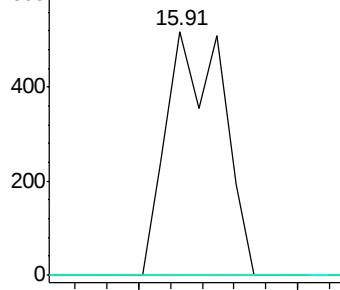
#55
4-Nitrophenol
Concen: 7.364 ng
RT: 15.91 min Scan# 2149
Delta R.T. 0.23 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

Instrument :
BNA_G
ClientSampleId :

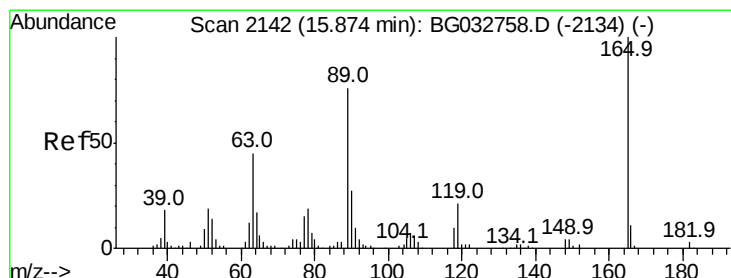
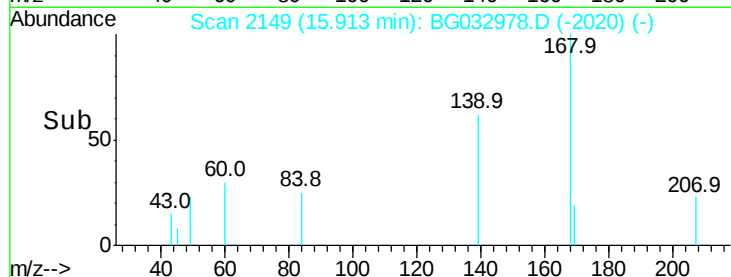
Tot Ion:139 Resp: 641
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



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): B

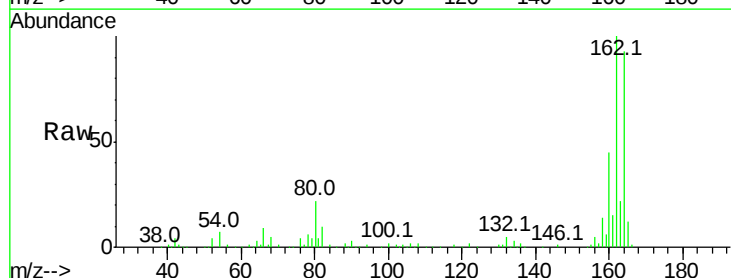


Time--> 15.90 15.95

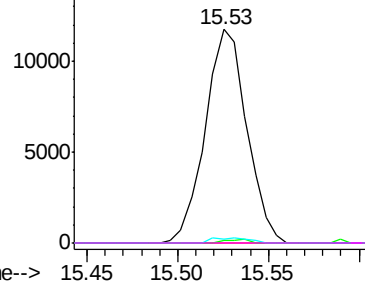


#56
2,4-Dinitrotoluene
Concen: 14.420 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

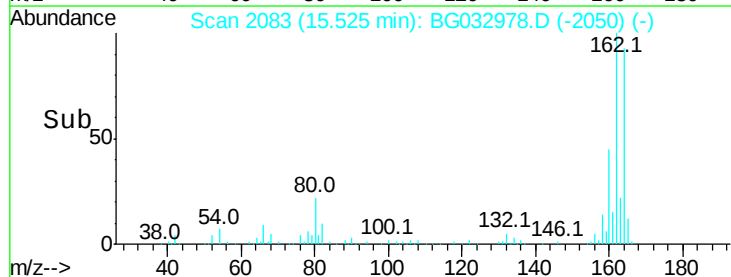
Tgt Ion:165 Resp: 18700
Ion Ratio Lower Upper
165 100
63 1.4 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

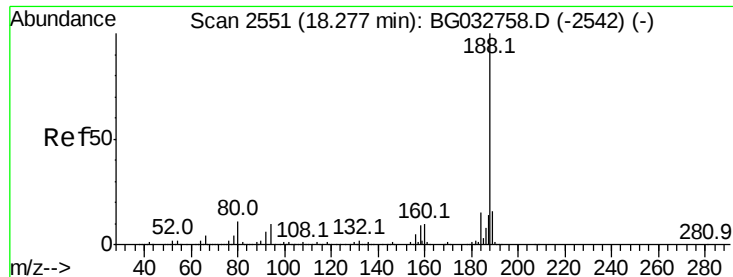


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E



Time--> 15.45 15.50 15.55

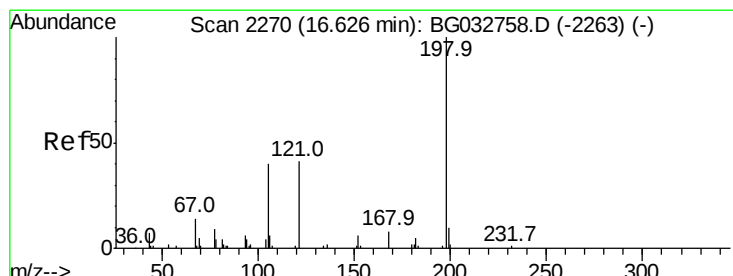
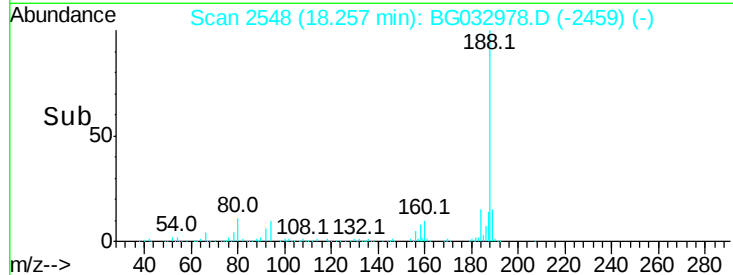
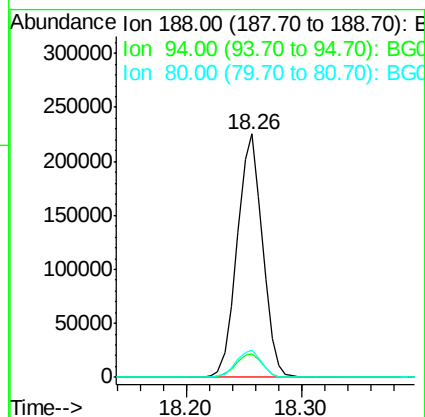
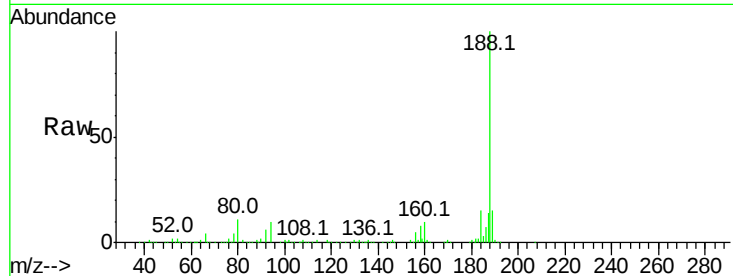




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

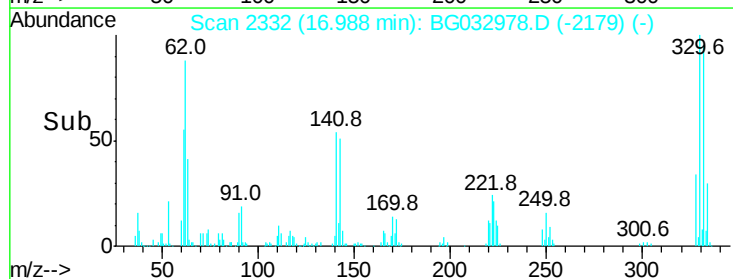
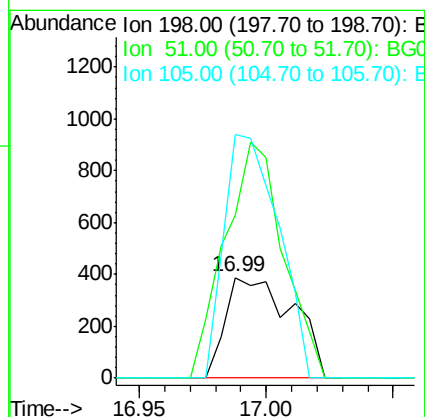
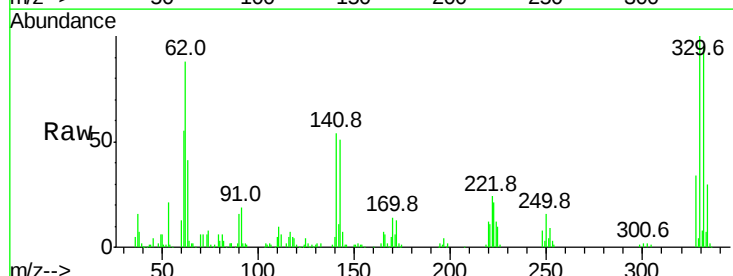
Instrument :
BNA_G
ClientSampleId :

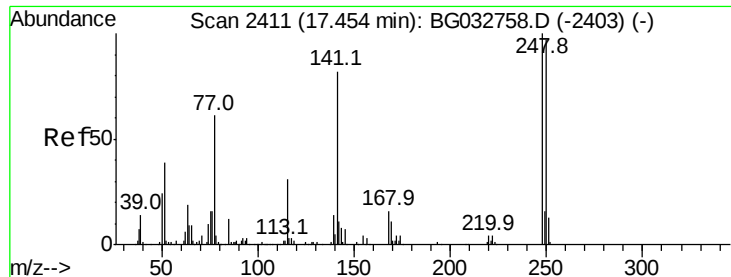
Tot Ion:188 Resp: 342182
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 11.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.836 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.37 min
Lab File: BG032978.D
Acq: 3 Mar 2018 12:22

Tgt Ion:198 Resp: 715
Ion Ratio Lower Upper
198 100
51 161.9 30.6 70.6#
105 242.0 23.8 63.8#

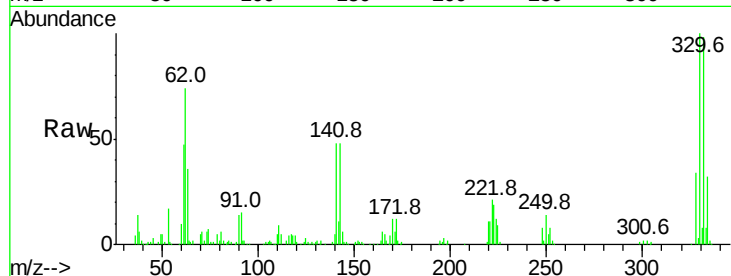




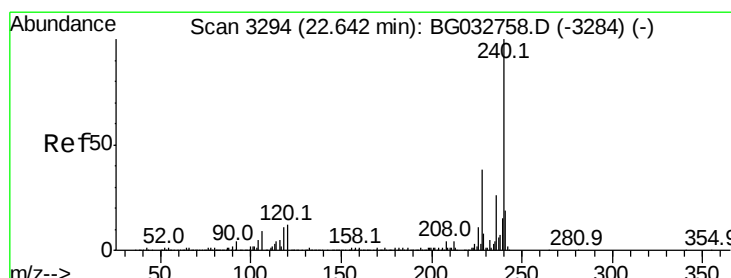
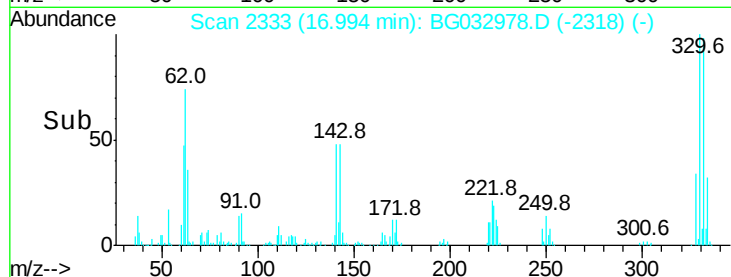
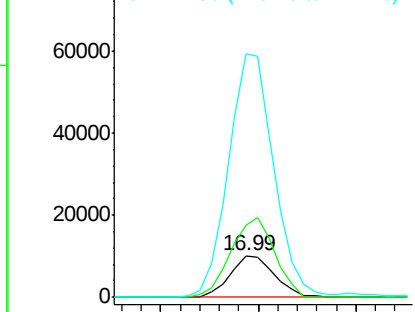
#66
 4-Bromophenyl-phenylether
 Concen: 4.359 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 15771
 Ion Ratio Lower Upper
 248 100
 250 173.1 77.1 115.7#
 141 582.3 50.8 76.2#

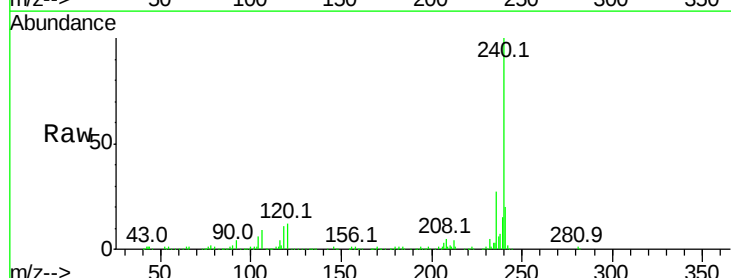


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

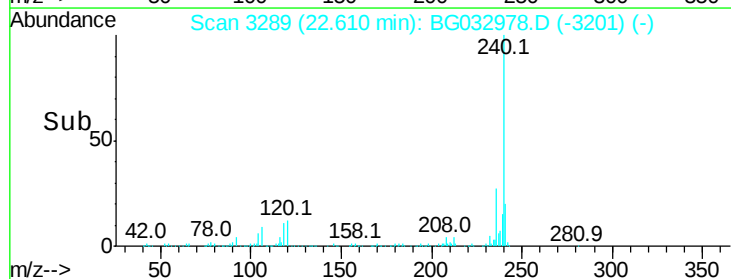
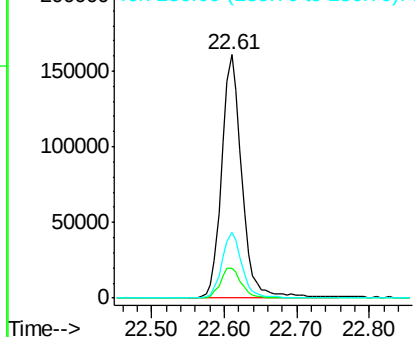


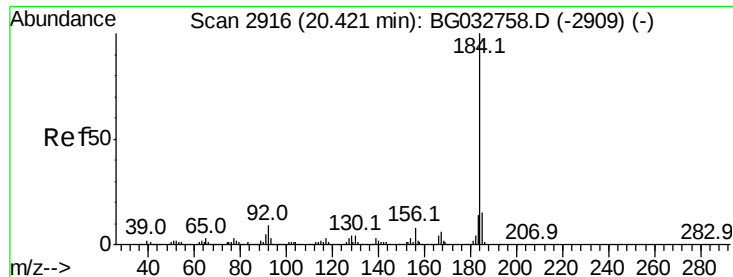
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.01 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Tgt Ion:240 Resp: 313268
 Ion Ratio Lower Upper
 240 100
 120 12.5 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: 2.379 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

Instrument :

BNA_G

ClientSampled :

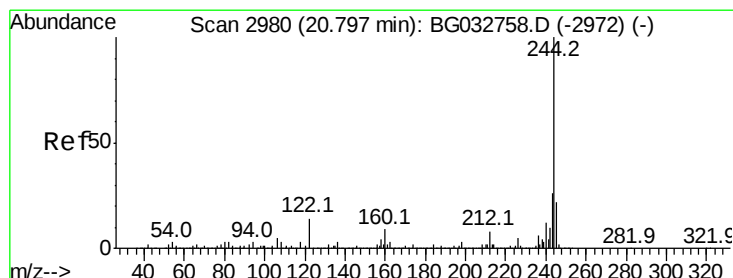
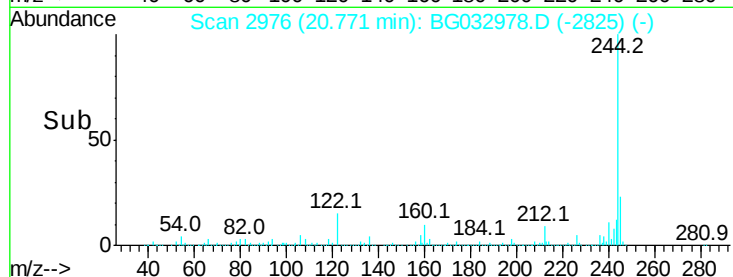
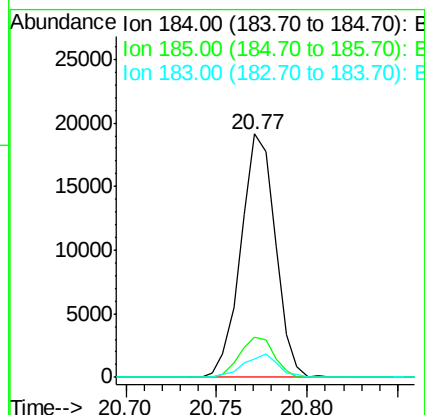
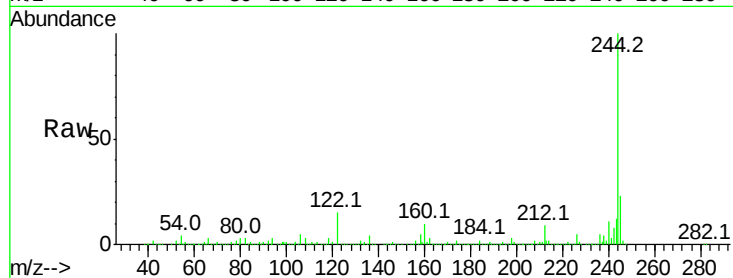
Tot Ion:184 Resp: 25403

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

183 7.4 10.6 16.0#



#78

Terphenyl-d14

Concen: 103.346 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032978.D

Acq: 3 Mar 2018 12:22

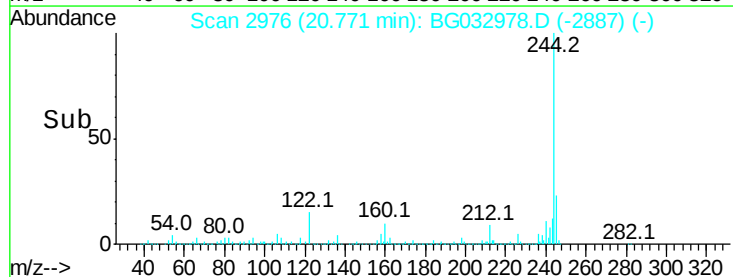
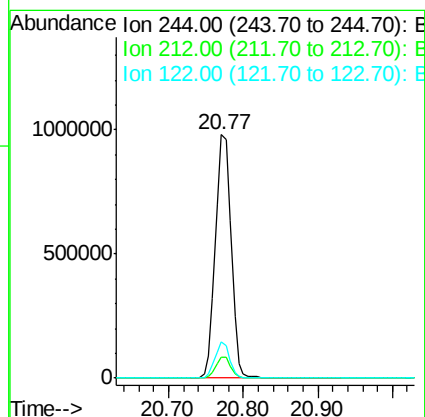
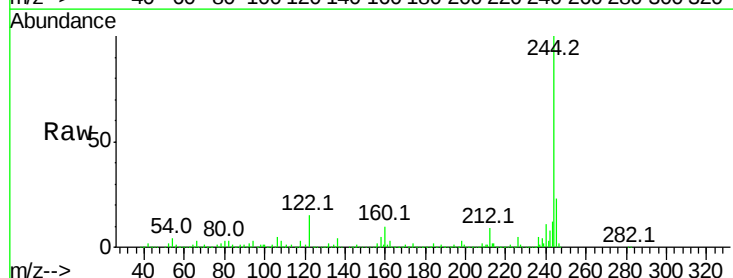
Tgt Ion:244 Resp: 1440978

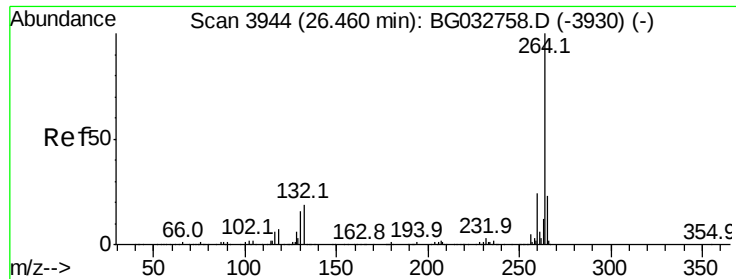
Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

122 15.1 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3937
 Delta R.T. -0.01 min
 Lab File: BG032978.D
 Acq: 3 Mar 2018 12:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.4	26.0
265	22.7	17.7	26.5

