

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032901.D
 Acq On : 28 Feb 2018 23:36
 Operator : SJ/JU
 Sample : J1699-28
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:30:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78020	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	343689	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	189993	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	421170	20.00	ng	0.00
75) Chrysene-d12	22.62	240	370533	20.00	ng	0.00
86) Perylene-d12	26.43	264	342454	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	674594	138.33	ng	0.00
7) Phenol-d6	8.02	99	819332	120.54	ng	0.00
23) Nitrobenzene-d5	10.12	82	565033	110.70	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	296193	148.27	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1166134	88.52	ng	0.00
78) Terphenyl-d14	20.78	244	1658710	100.58	ng	0.00

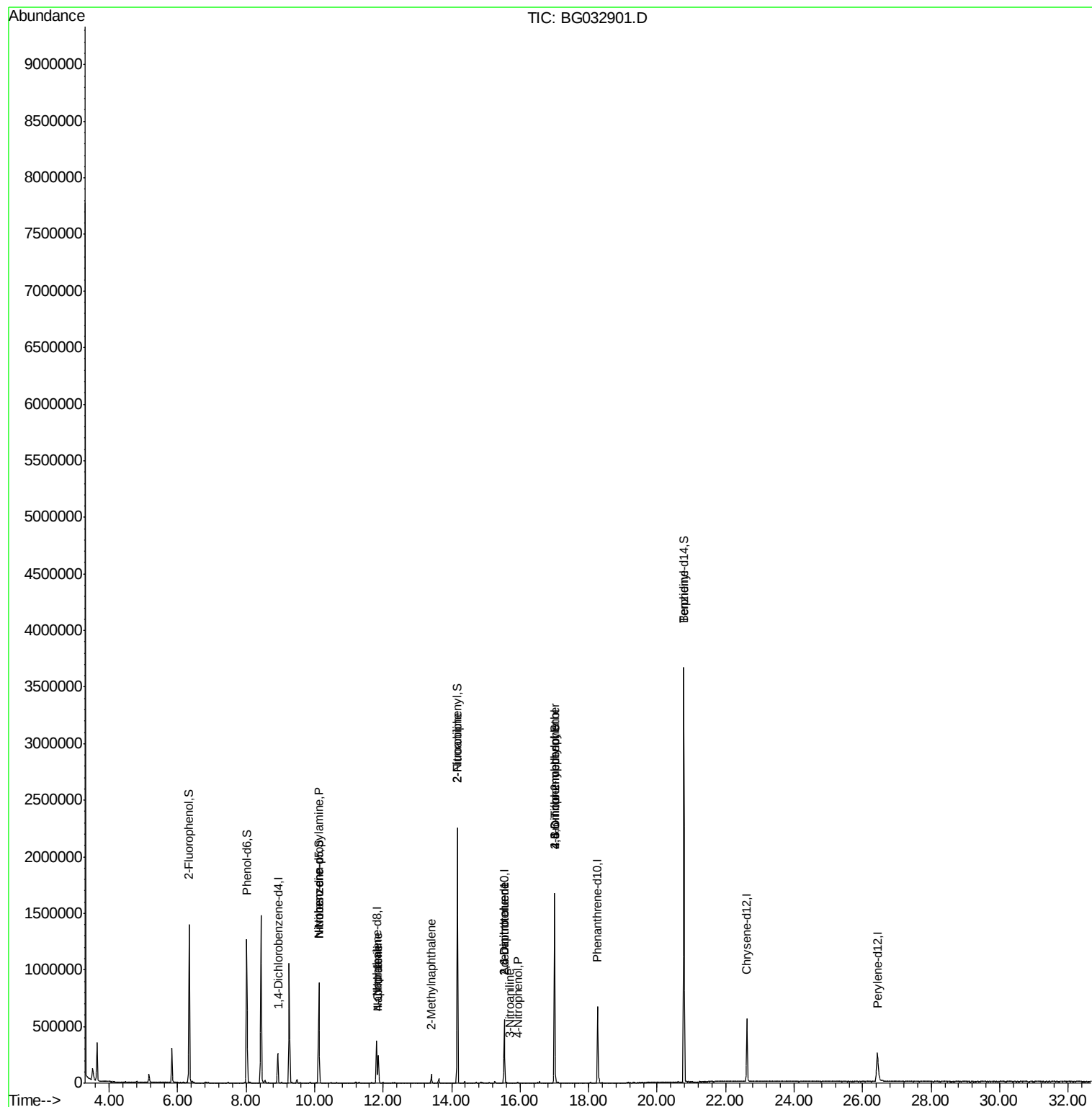
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	73756	15.370	ng	# 82
24) Nitrobenzene	10.13	77	1616	6.636	ng	# 44
31) Naphthalene	11.85	128	214819	11.962	ng	# 99
33) 4-Chloroaniline	11.86	127	29251	3.643	ng	# 37
37) 2-Methylnaphthalene	13.41	142	38812	2.987	ng	# 92
47) 2-Nitroaniline	14.17	65	2037	10.354	ng	# 6
50) 2,6-Dinitrotoluene	15.53	165	24431	16.352	ng	# 19
52) 3-Nitroaniline	15.70	138	62	7.559	ng	# 1
55) 4-Nitrophenol	15.93	139	1388	7.559	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	24431	14.549	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.01	198	1015	5.971	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	21870	4.911	ng	# 1
76) Benzidine	20.78	184	28932	2.291	ng	# 93

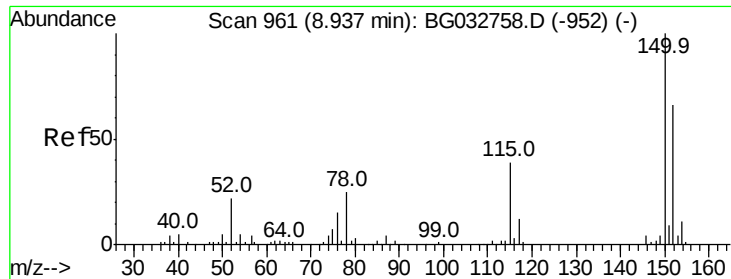
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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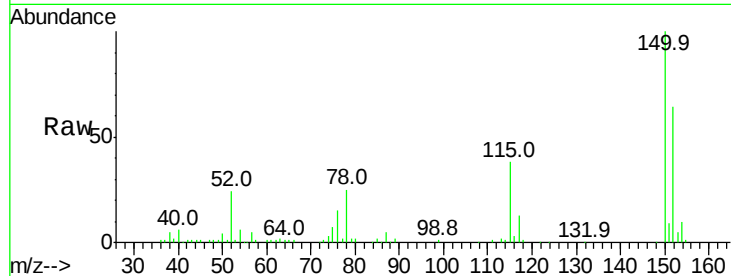


#1

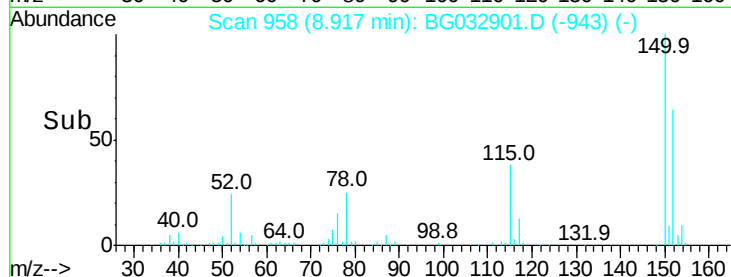
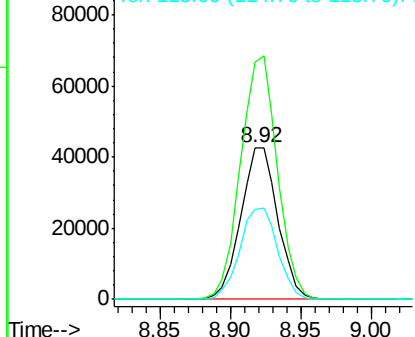
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 78020
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 59.4 53.0 79.4



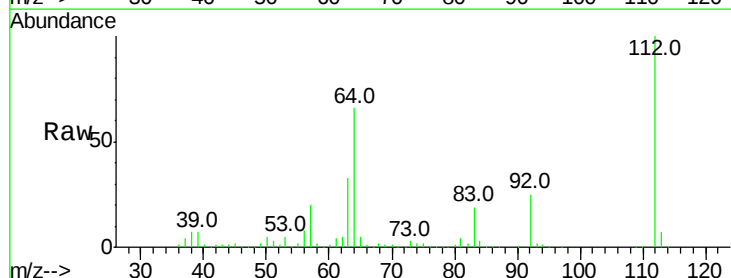
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



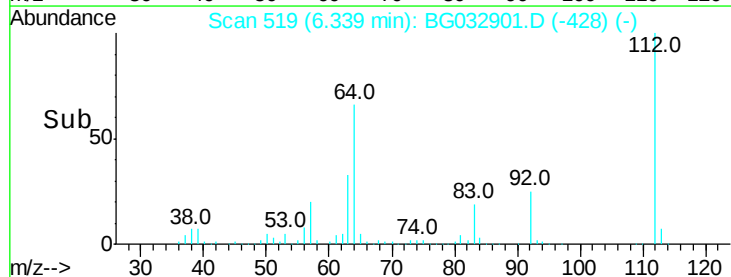
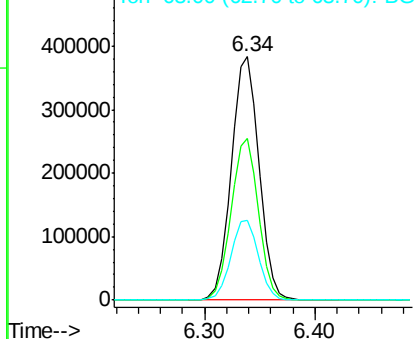
#5

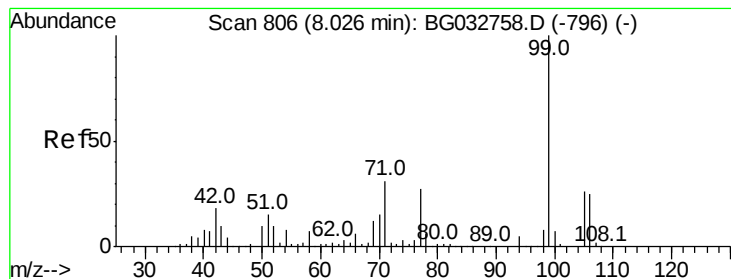
2-Fluorophenol
Concen: 138.330 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Tgt Ion:112 Resp: 674594
Ion Ratio Lower Upper
112 100
64 66.4 56.3 84.5
63 32.8 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: 120.536 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

Instrument :

BNA_G

ClientSampled :

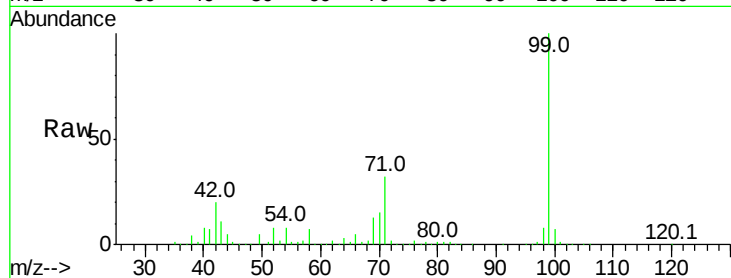
Tot Ion: 99 Resp: 819332

Ion Ratio Lower Upper

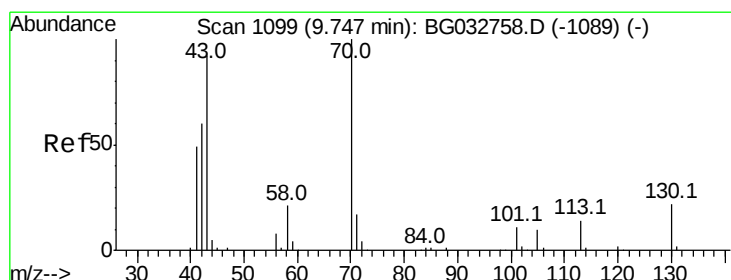
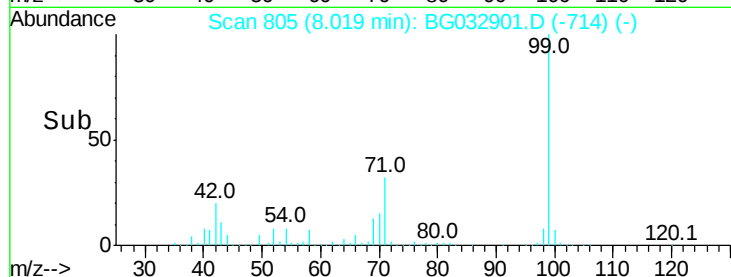
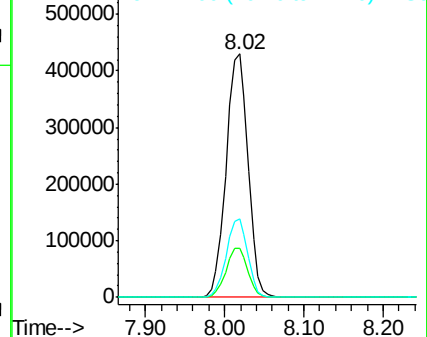
99 100

42 20.3 14.1 21.1

71 32.4 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: 15.370 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

Tgt Ion: 70 Resp: 73756

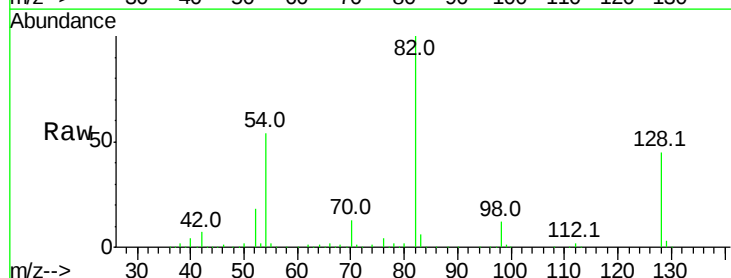
Ion Ratio Lower Upper

70 100

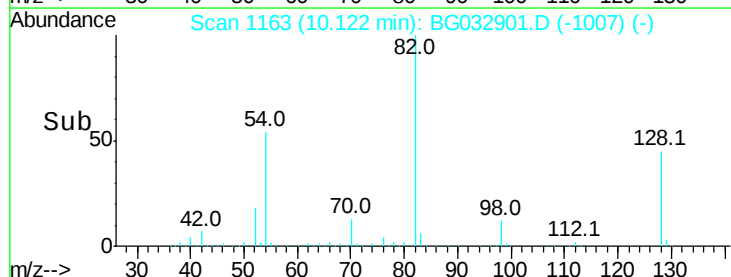
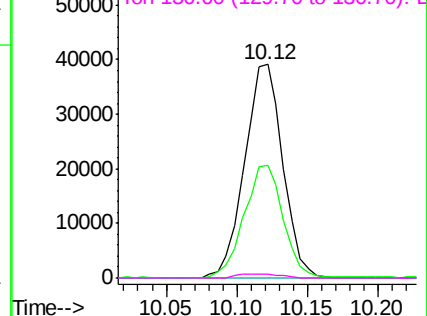
42 52.7 49.1 73.7

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

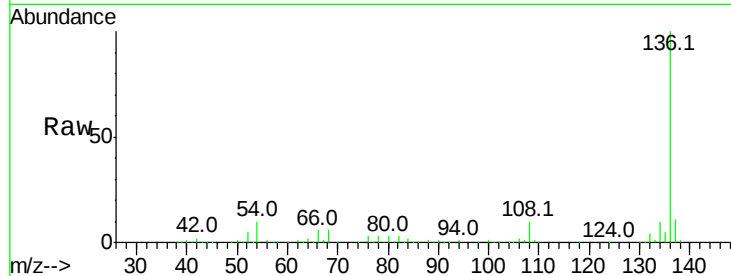




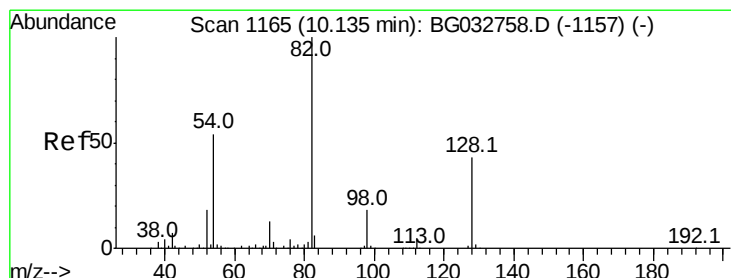
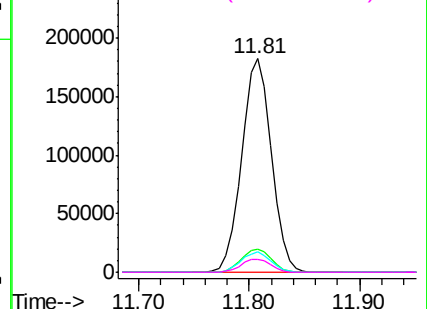
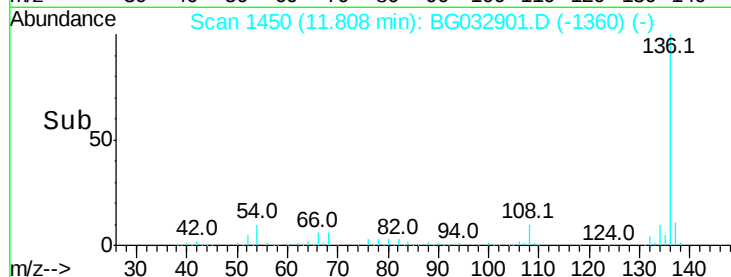
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	343689
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	9.9	10.3	15.5#
68	5.8	4.5	6.7

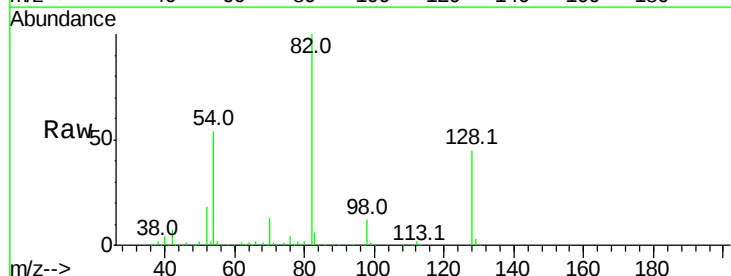


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

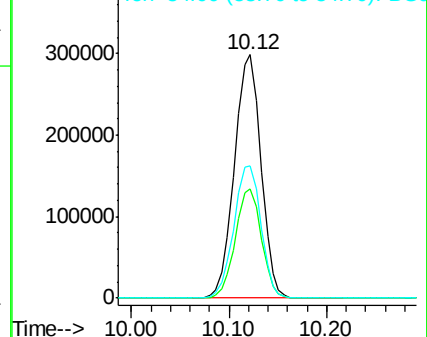
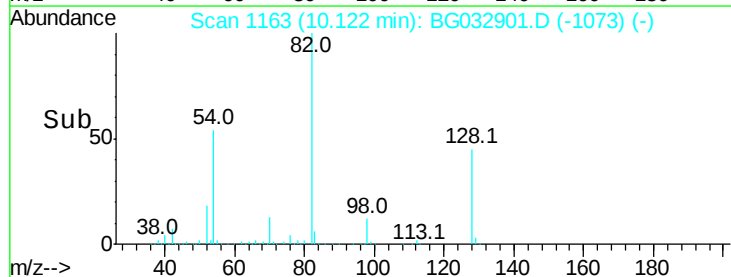


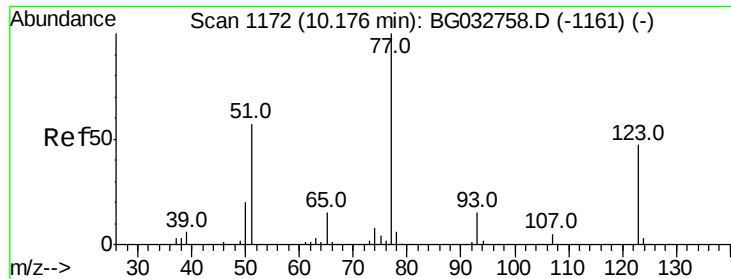
#23
Nitrobenzene-d5
Concen: 110.695 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Tgt Ion:	82	Resp:	565033
Ion	Ratio	Lower	Upper
82	100		
128	45.0	29.7	44.5#
54	54.4	43.1	64.7



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

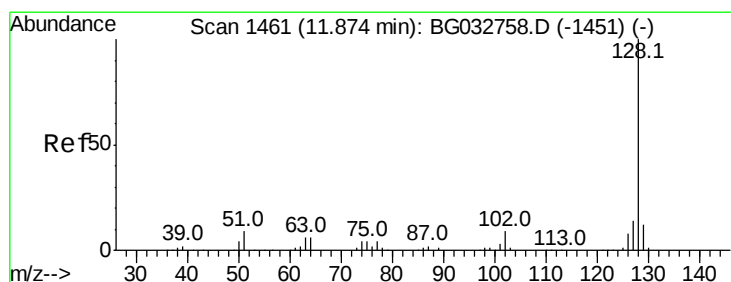
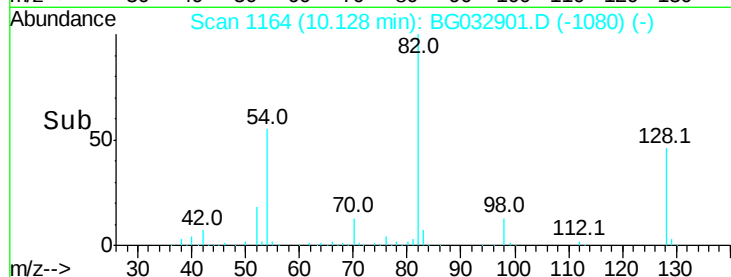
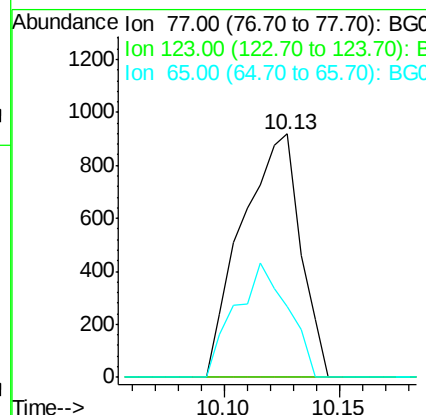
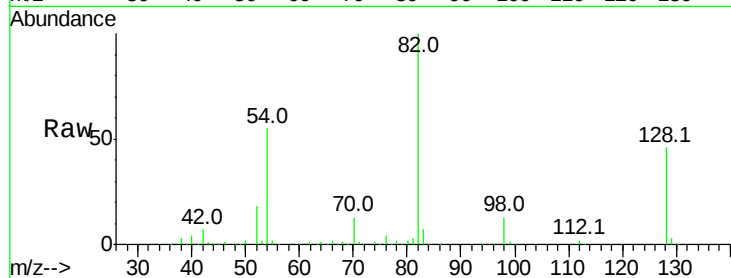




#24
Nitrobenzene
Concen: 6.636 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

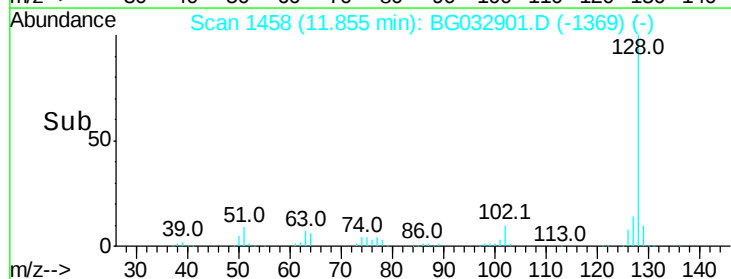
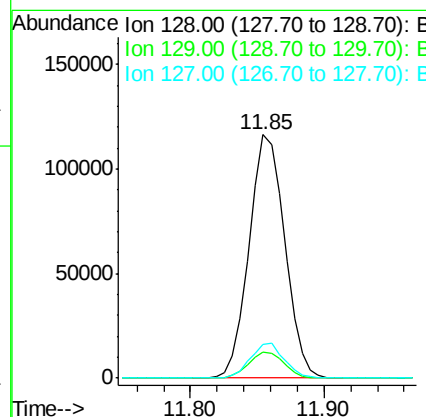
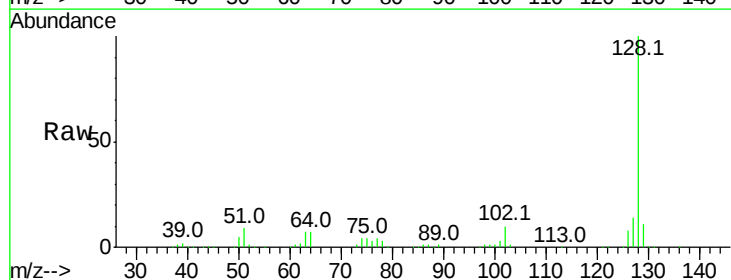
Instrument :
BNA_G
ClientSampled :

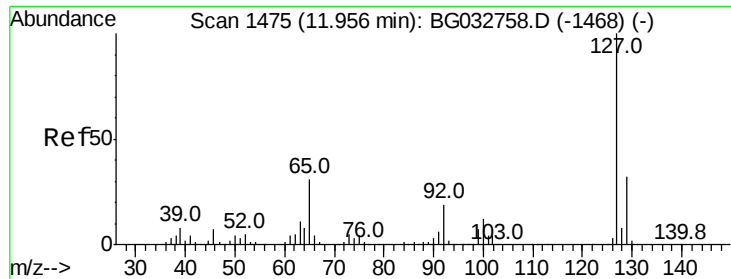
Tot Ion: 77 Resp: 1616
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 29.2 13.0 19.6#



#31
Naphthalene
Concen: 11.962 ng
RT: 11.85 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Tgt Ion: 128 Resp: 214819
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.7 11.6 17.4

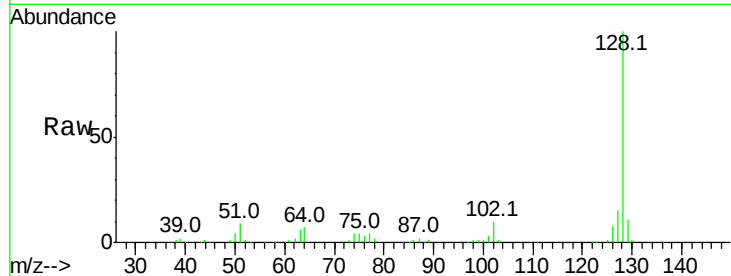




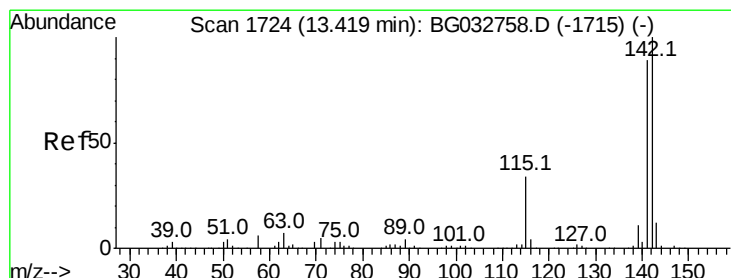
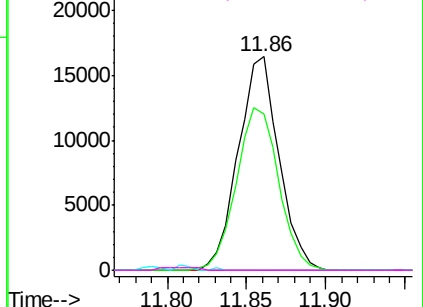
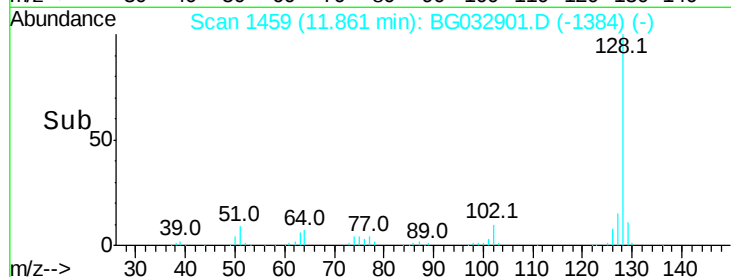
#33
 4-Chloroaniline
 Concen: 3.643 ng
 RT: 11.86 min Scan# 1459
 Delta R.T. -0.09 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:127	Resp:	29251
Ion Ratio	Lower	Upper
127	100	
129	73.3	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#

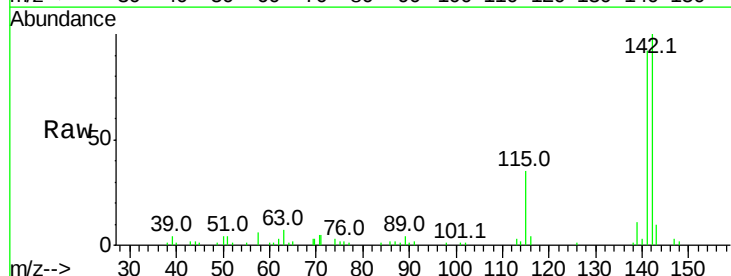


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC

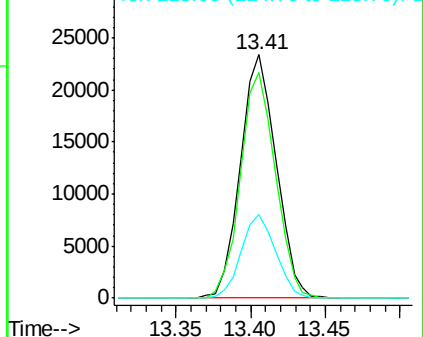
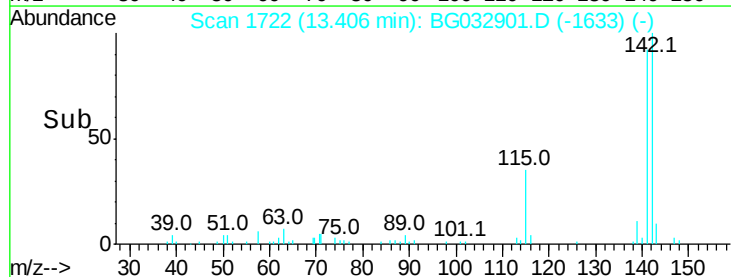


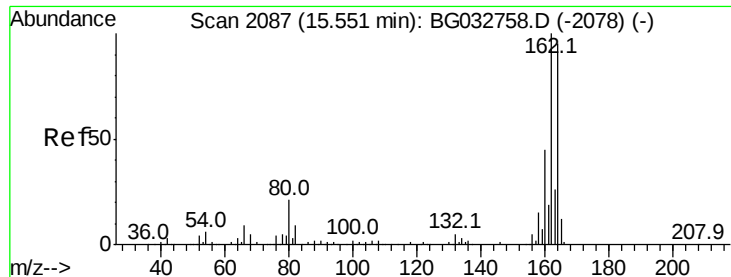
#37
 2-Methylnaphthalene
 Concen: 2.987 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Tgt Ion:142	Resp:	38812
Ion Ratio	Lower	Upper
142	100	
141	92.4	67.1 100.7
115	34.6	30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

Instrument :

BNA_G

ClientSampleId :

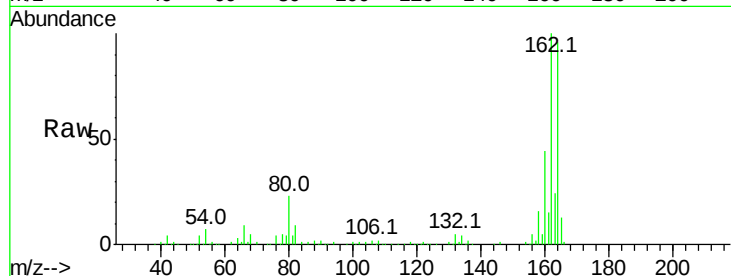
Tot Ion:164 Resp: 189993

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

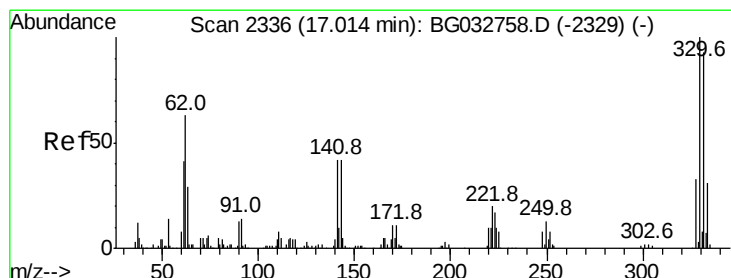
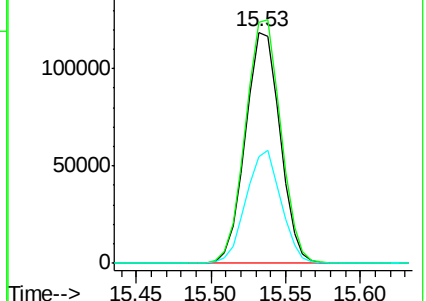
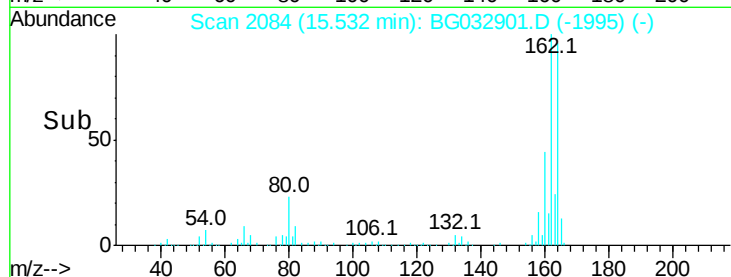
160 45.9 35.4 53.0



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: 148.266 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

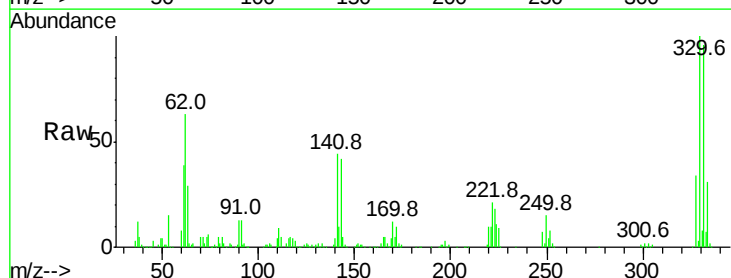
Tgt Ion:330 Resp: 296193

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

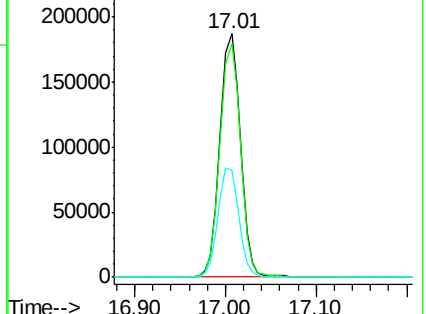
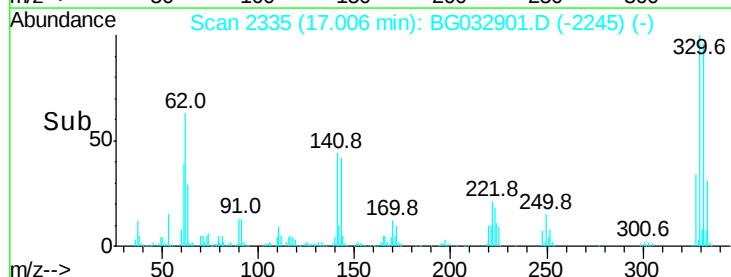
141 45.4 25.2 37.8#

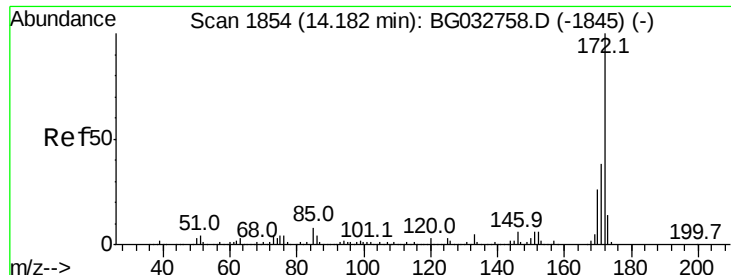


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

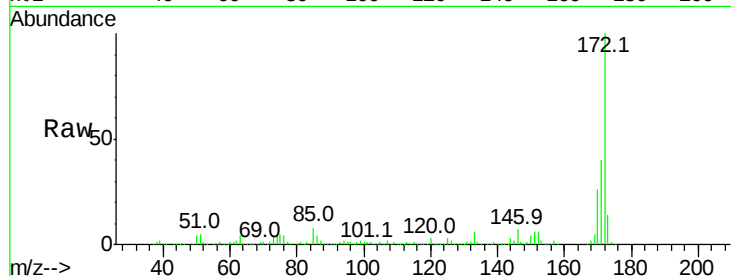




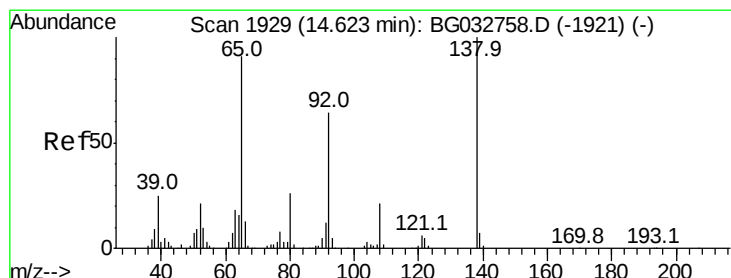
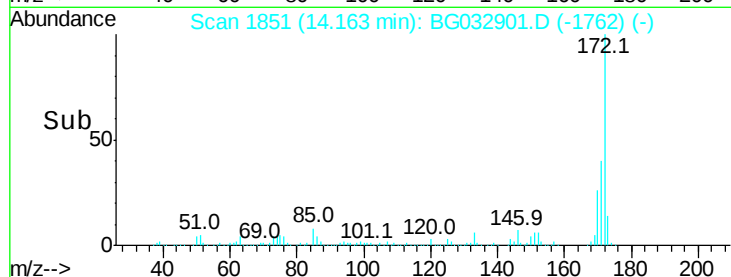
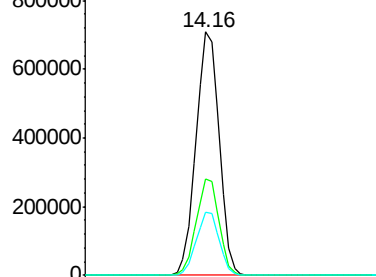
#44
 2-Fluorobiphenyl
 Concen: 88.522 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1166134
 Ion Ratio Lower Upper
 172 100
 171 39.6 30.0 45.0
 170 26.1 19.5 29.3

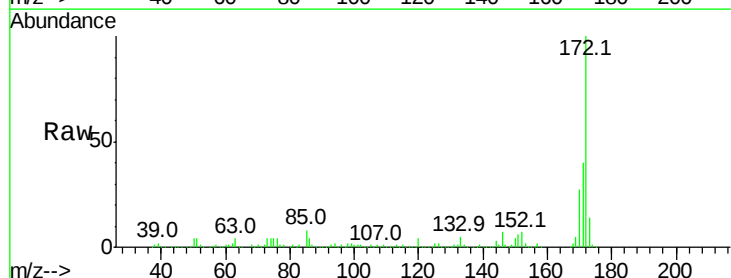


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

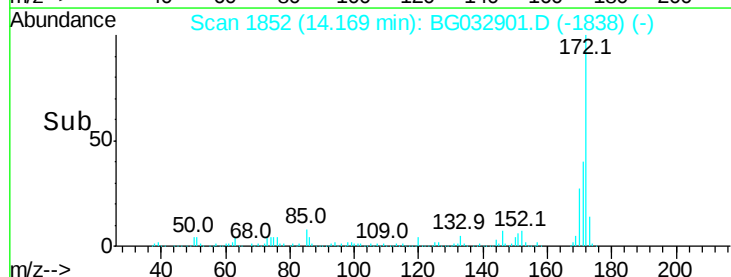
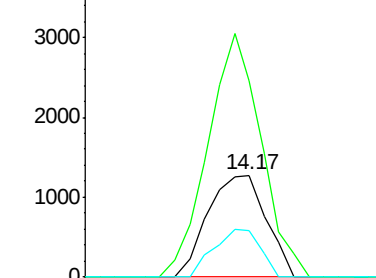


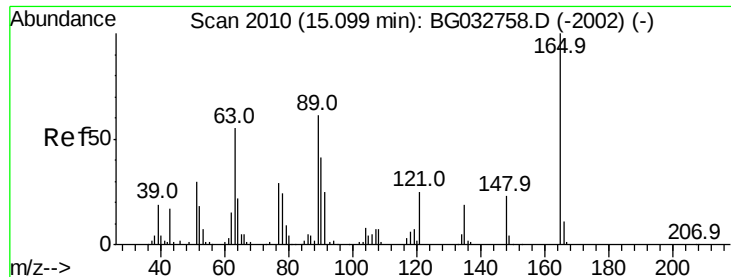
#47
 2-Nitroaniline
 Concen: 10.354 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Tgt Ion: 65 Resp: 2037
 Ion Ratio Lower Upper
 65 100
 92 193.7 54.6 82.0#
 138 45.2 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): E

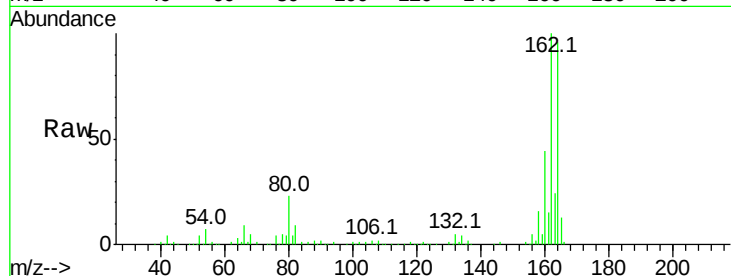




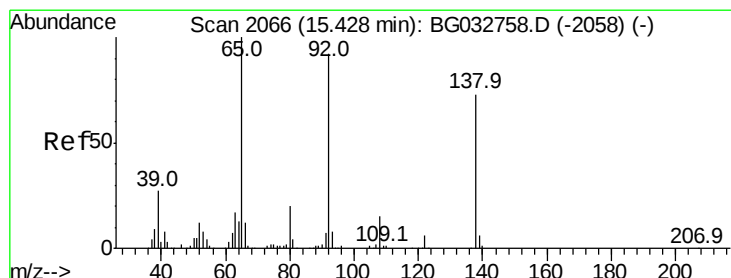
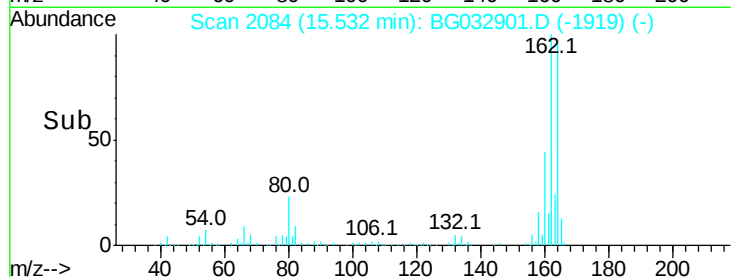
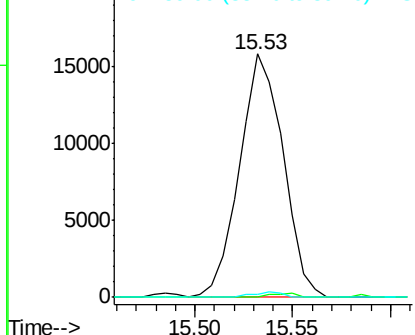
#50
 2,6-Dinitrotoluene
 Concen: 16.352 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.44 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24431
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.5 49.2 73.8#

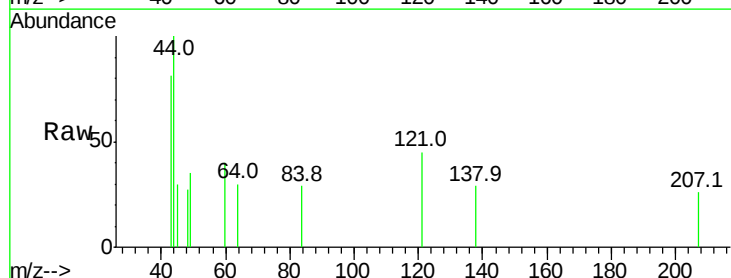


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

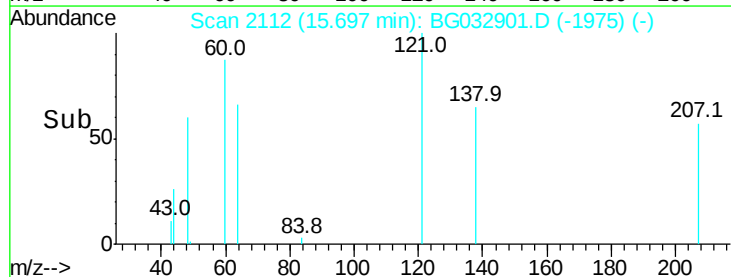
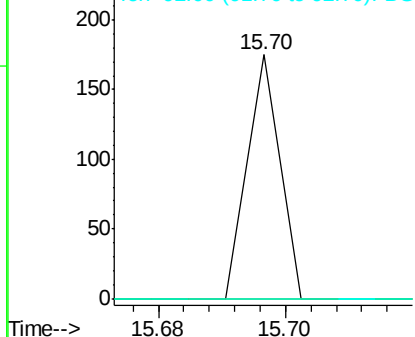


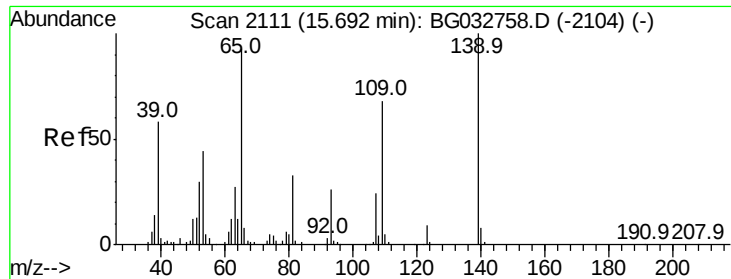
#52
 3-Nitroaniline
 Concen: 7.559 ng
 RT: 15.70 min Scan# 2112
 Delta R.T. 0.27 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Tgt Ion:138 Resp: 62
 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

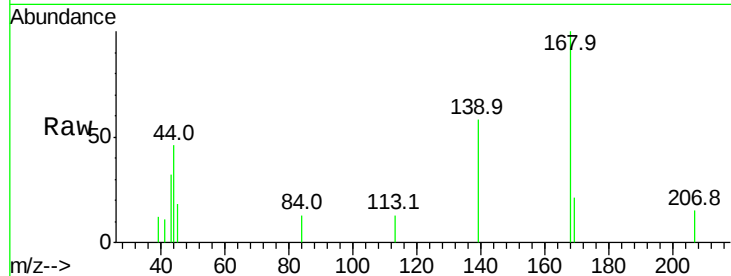




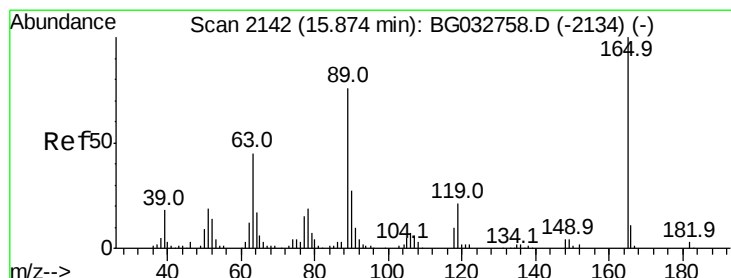
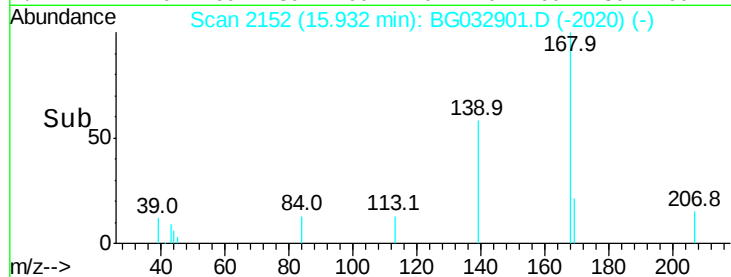
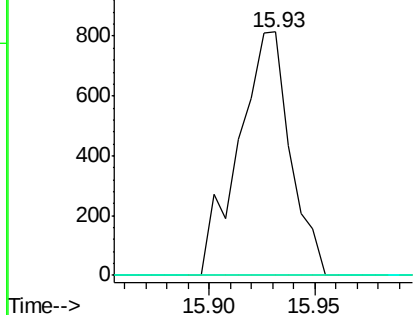
#55
4-Nitrophenol
Concen: 7.559 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.24 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 1388
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

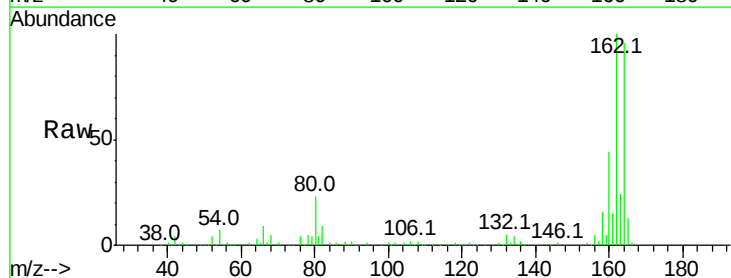


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

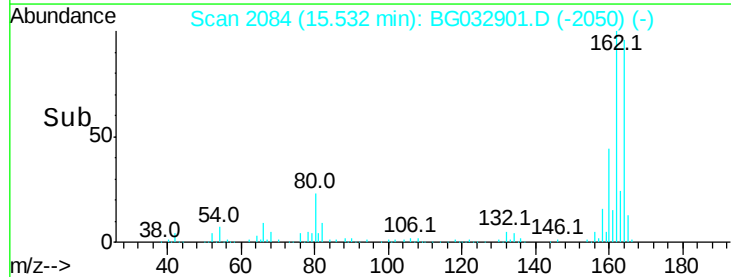
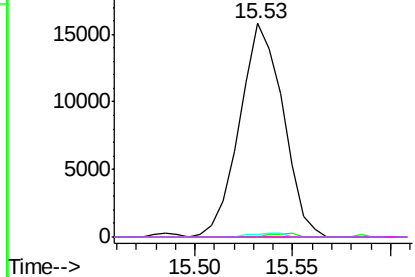


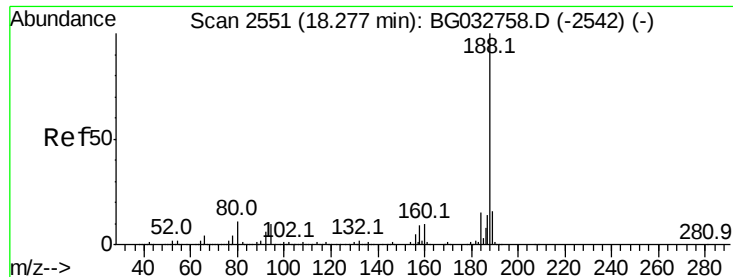
#56
2,4-Dinitrotoluene
Concen: 14.549 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Tgt Ion:165 Resp: 24431
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.5 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

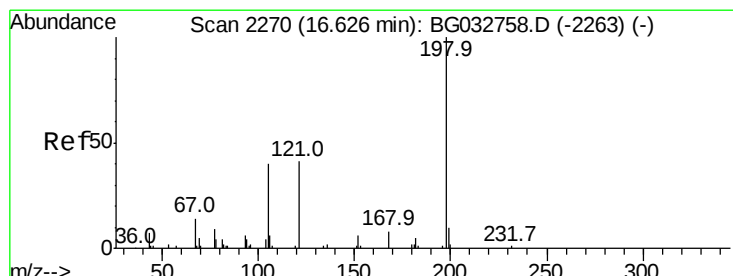
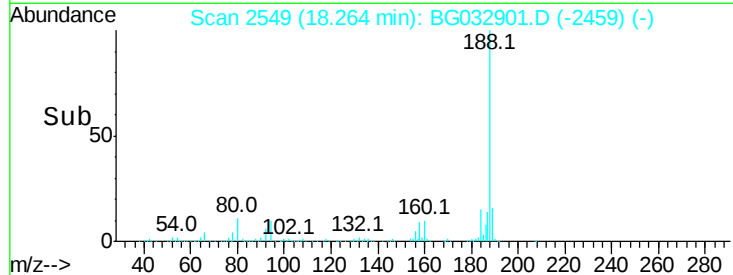
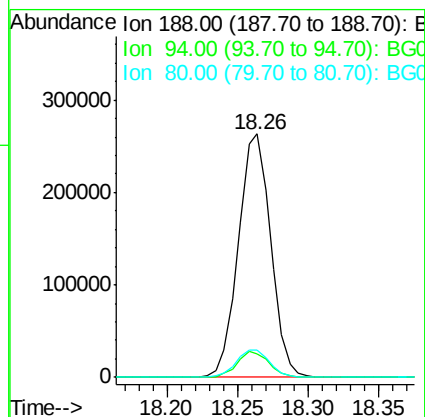
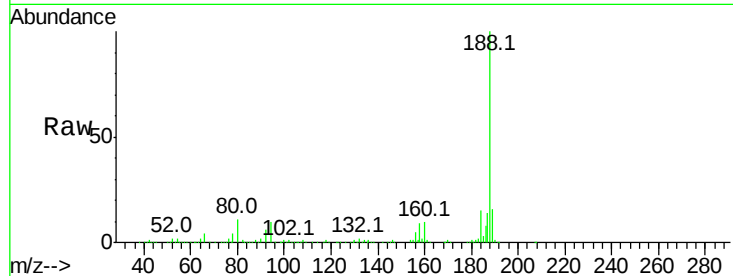




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

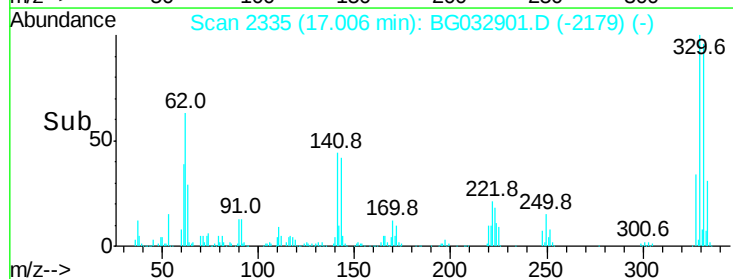
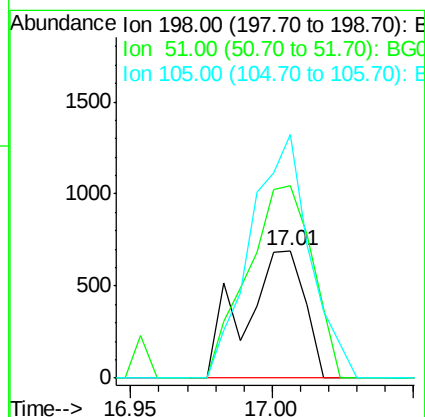
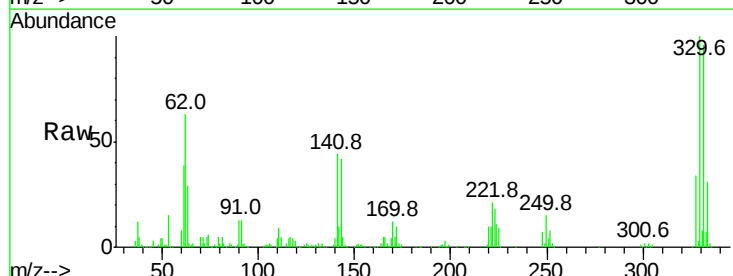
Instrument :
 BNA_G
 ClientSampleId :

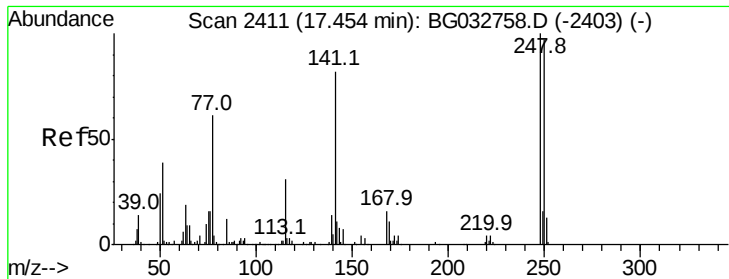
Tot Ion:188 Resp: 421170
 Ion Ratio Lower Upper
 188 100
 94 9.7 6.9 10.3
 80 11.1 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.971 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.38 min
 Lab File: BG032901.D
 Acq: 28 Feb 2018 23:36

Tgt Ion:198 Resp: 1015
 Ion Ratio Lower Upper
 198 100
 51 151.2 30.6 70.6#
 105 191.0 23.8 63.8#

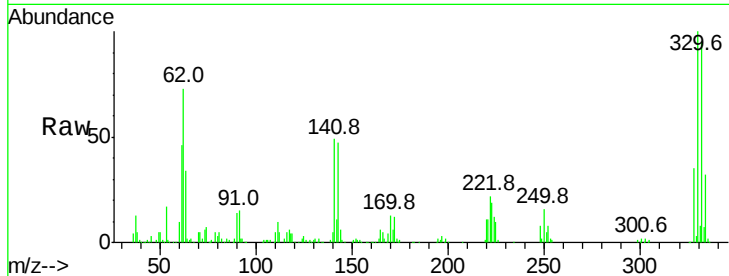




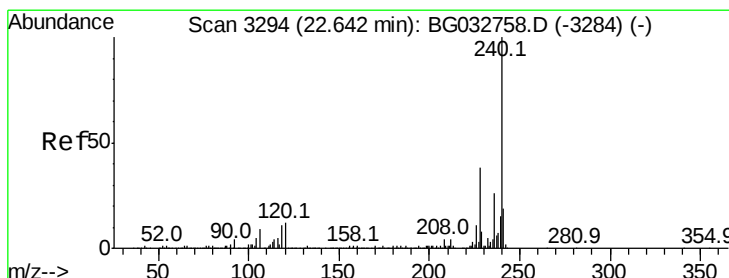
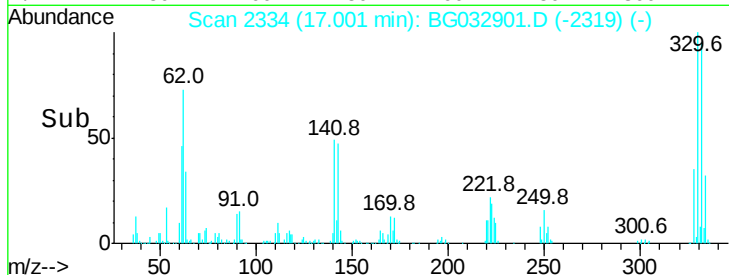
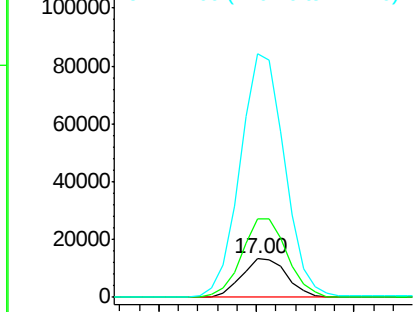
#66
4-Bromophenyl-phenylether
Concen: 4.911 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.44 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21870
Ion Ratio Lower Upper
248 100
250 203.7 77.1 115.7#
141 631.1 50.8 76.2#

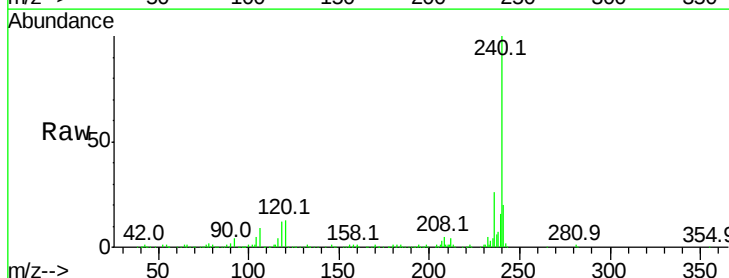


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

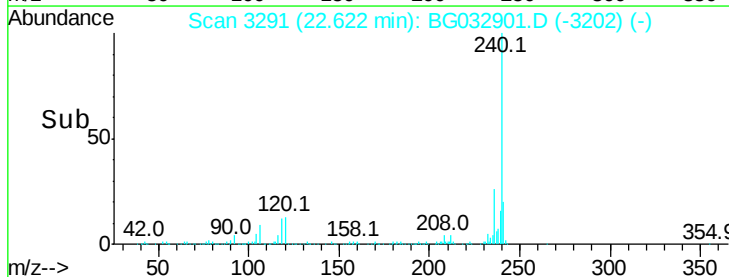
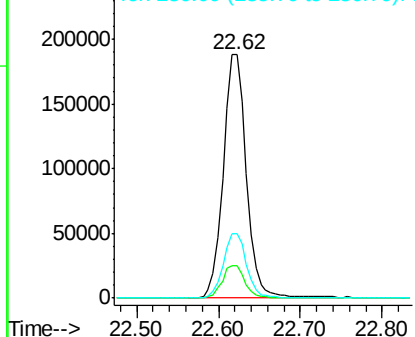


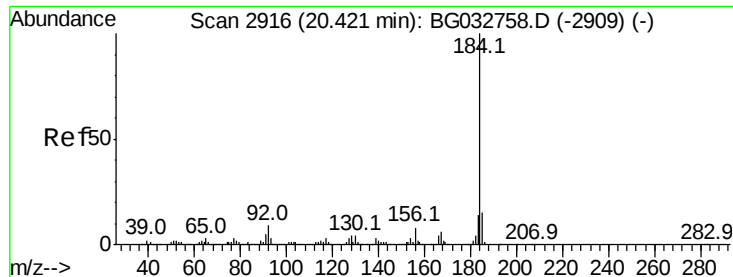
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Tgt Ion:240 Resp: 370533
Ion Ratio Lower Upper
240 100
120 13.2 6.8 10.2#
236 26.4 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: 2.291 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

Instrument :

BNA_G

ClientSampleId :

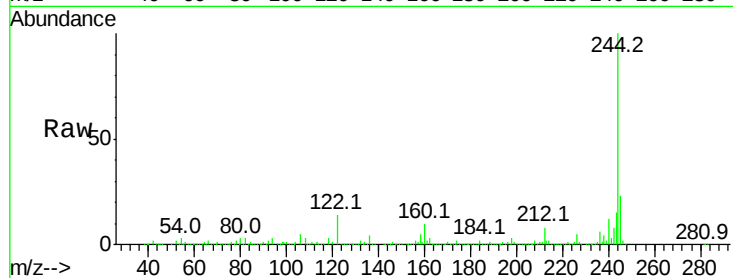
Tot Ion:184 Resp: 28932

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

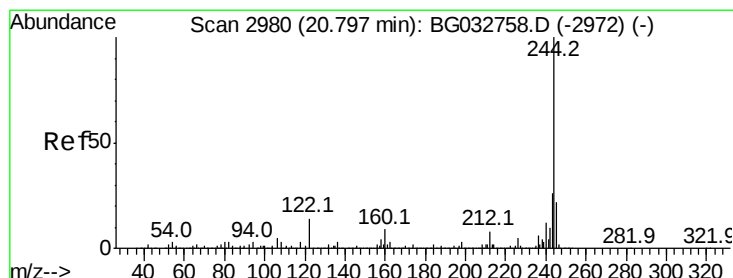
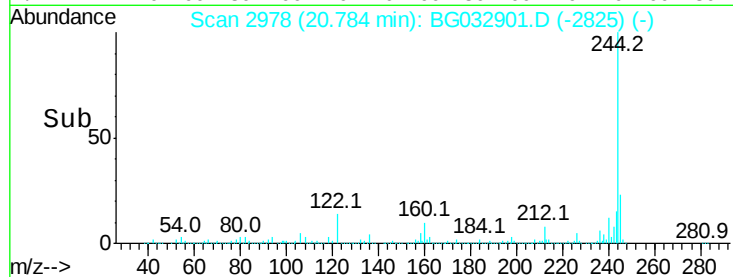
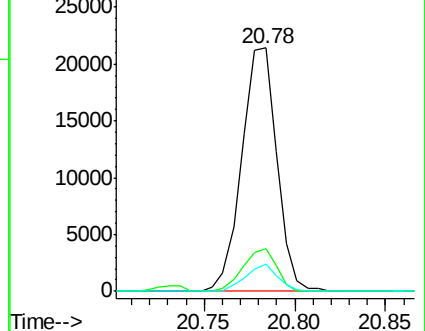
183 11.4 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 100.576 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032901.D

Acq: 28 Feb 2018 23:36

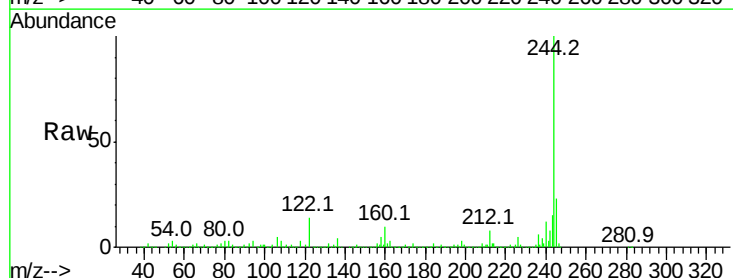
Tgt Ion:244 Resp: 1658710

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

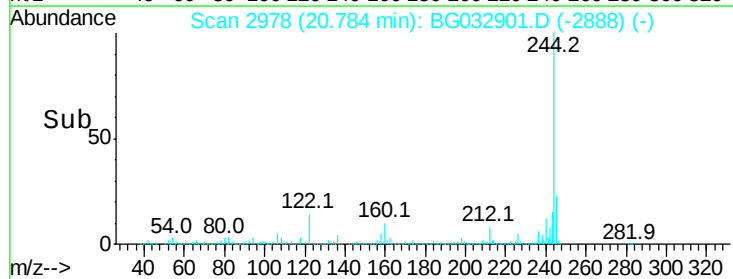
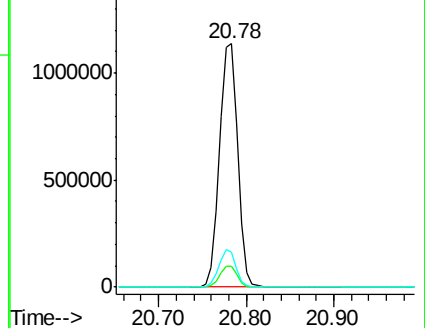
122 14.2 7.0 10.4#

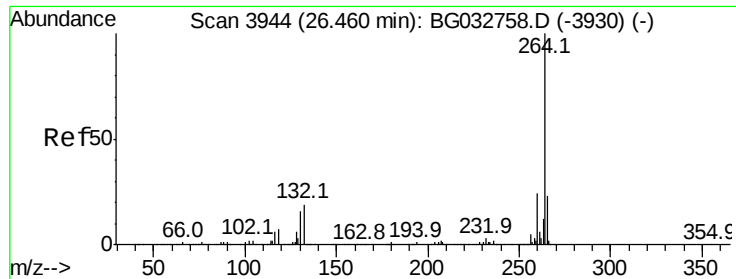


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3939
Delta R.T. -0.01 min
Lab File: BG032901.D
Acq: 28 Feb 2018 23:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	22.1	17.7	26.5

