

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032897.D
 Acq On : 28 Feb 2018 21:06
 Operator : SJ/JU
 Sample : J1699-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:28:36 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

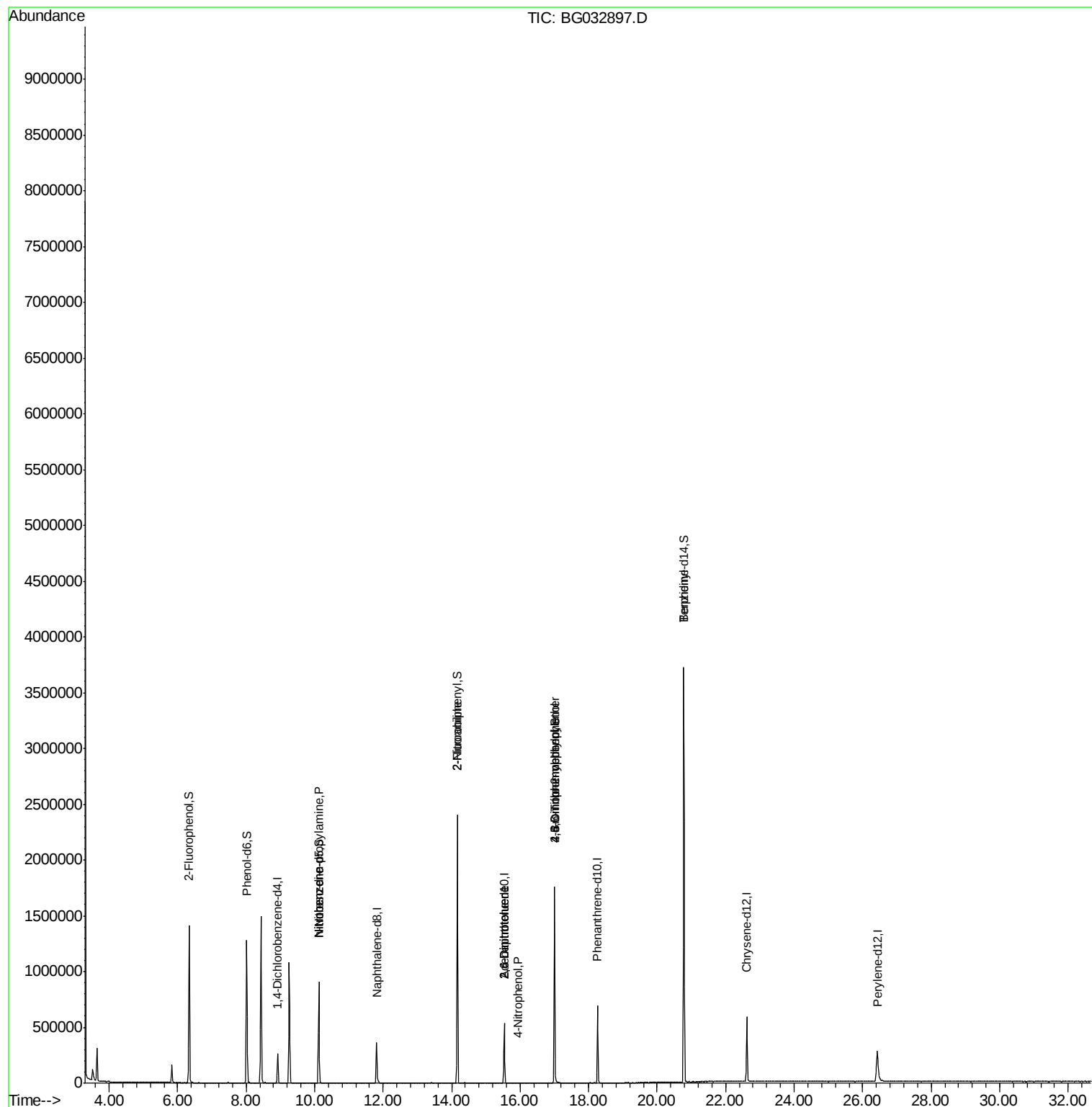
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78581	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	338445	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	189197	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	425783	20.00	ng	0.00
75) Chrysene-d12	22.62	240	385928	20.00	ng	-0.02
86) Perylene-d12	26.43	264	381022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	687230	139.92	ng	0.00
7) Phenol-d6	8.02	99	821080	119.93	ng	0.00
23) Nitrobenzene-d5	10.12	82	573265	113.75	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	305368	153.50	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1210513	92.28	ng	0.00
78) Terphenyl-d14	20.78	244	1723973	100.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	75403	15.601	ng	# 80
24) Nitrobenzene	10.12	77	1999	6.701	ng	# 43
47) 2-Nitroaniline	14.16	65	2267	10.414	ng	# 17
50) 2,6-Dinitrotoluene	15.53	165	25159	16.606	ng	# 20
55) 4-Nitrophenol	15.93	139	623	7.296	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	25159	14.805	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	898	5.844	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	22355	4.965	ng	# 1
76) Benzidine	20.78	184	30758	2.338	ng	# 95

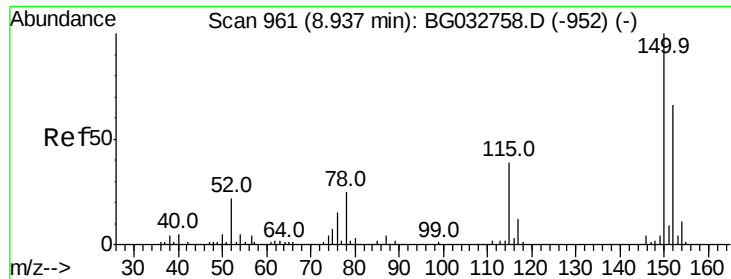
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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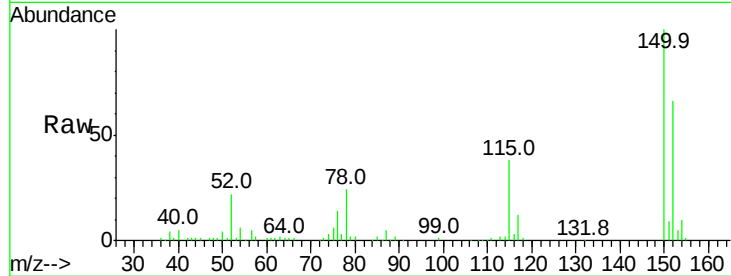


#1

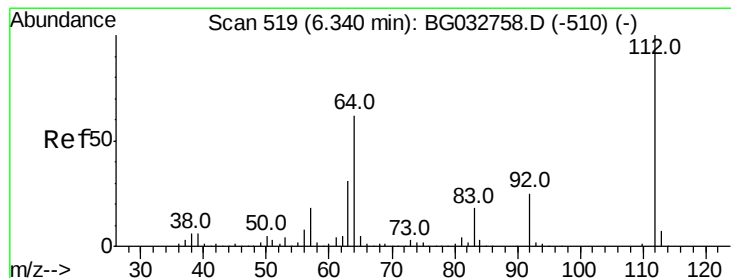
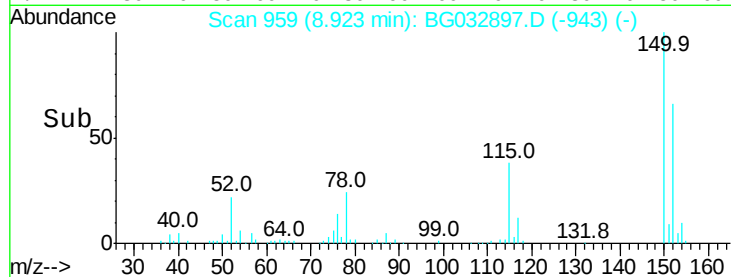
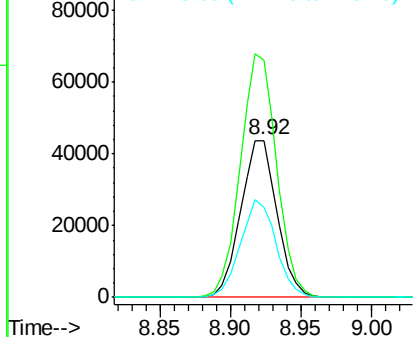
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 78581
Ion Ratio Lower Upper
152 100
150 150.8 126.6 189.8
115 57.4 53.0 79.4



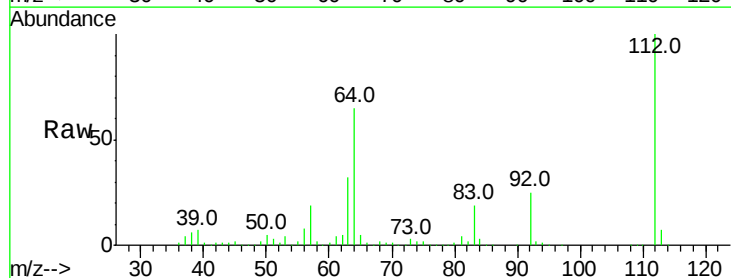
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



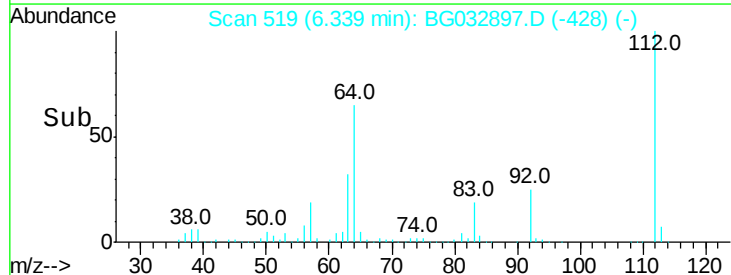
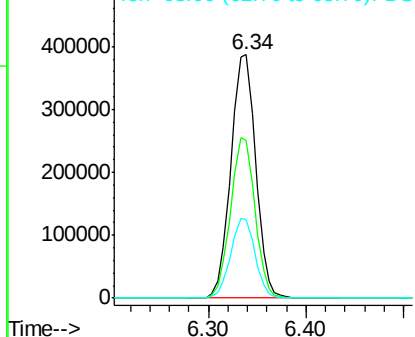
#5

2-Fluorophenol
Concen: 139.915 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

Tgt Ion:112 Resp: 687230
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 32.2 30.1 45.1



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





#7

Phenol-d6

Concen: 119.930 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Instrument :

BNA_G

ClientSampled :

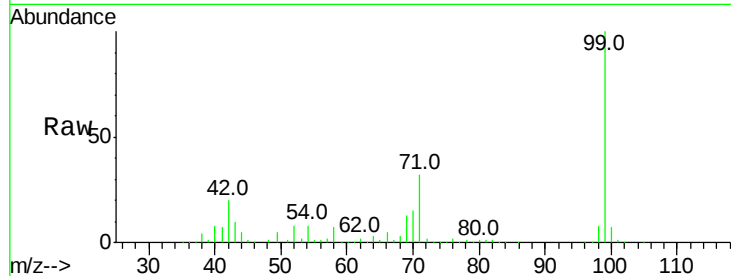
Tot Ion: 99 Resp: 821080

Ion Ratio Lower Upper

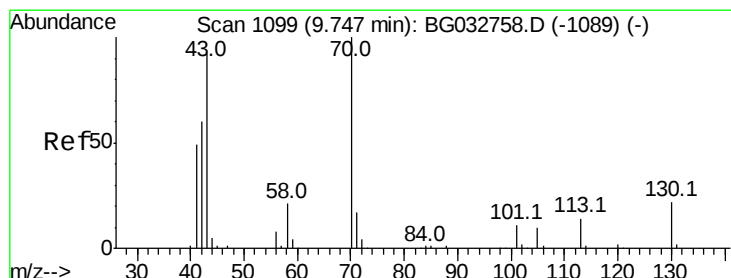
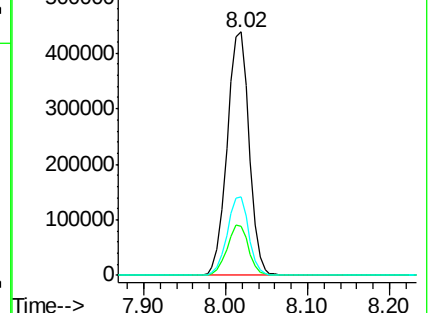
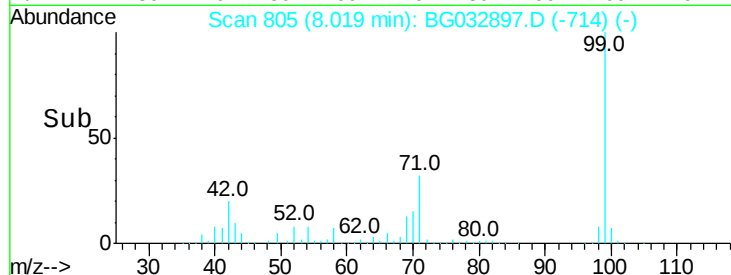
99 100

42 20.0 14.1 21.1

71 32.2 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: 15.601 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Tgt Ion: 70 Resp: 75403

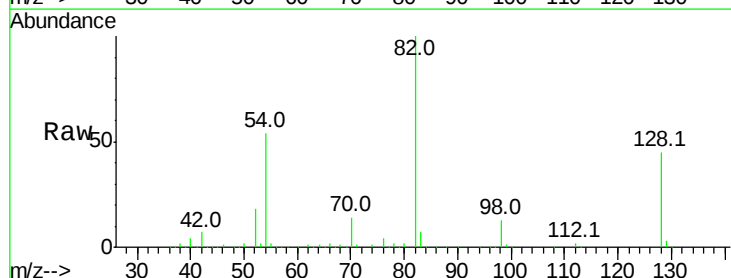
Ion Ratio Lower Upper

70 100

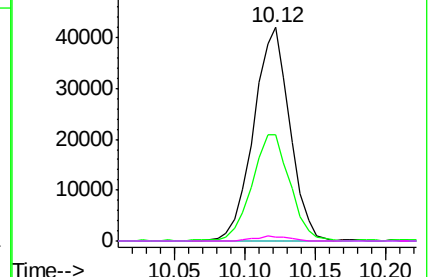
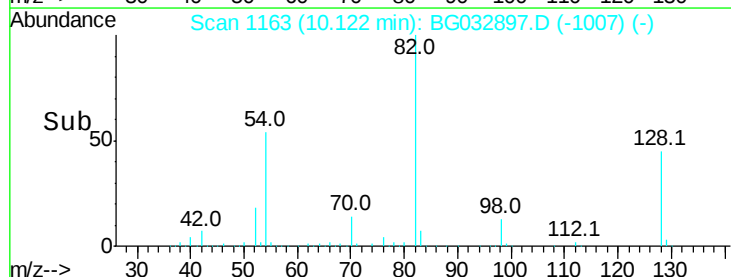
42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.6 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

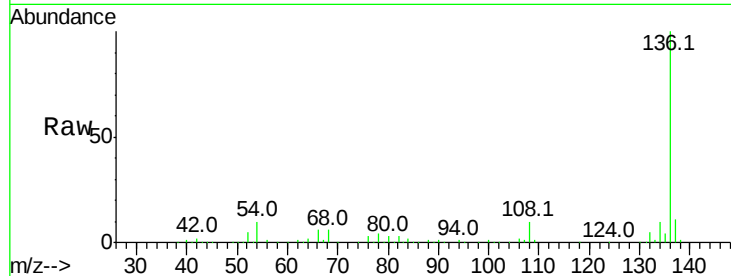




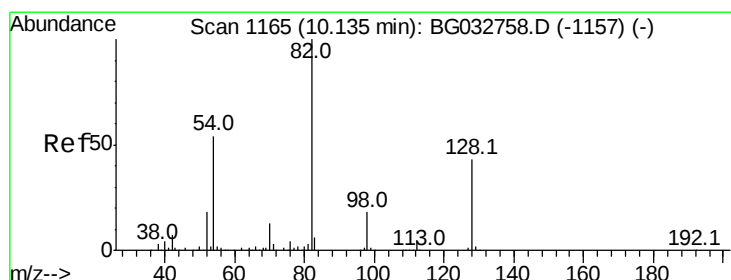
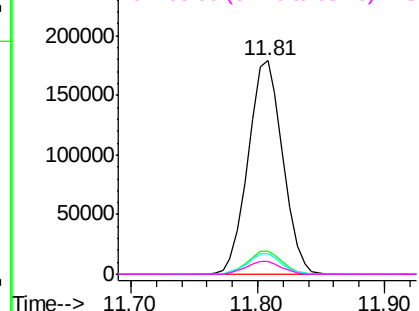
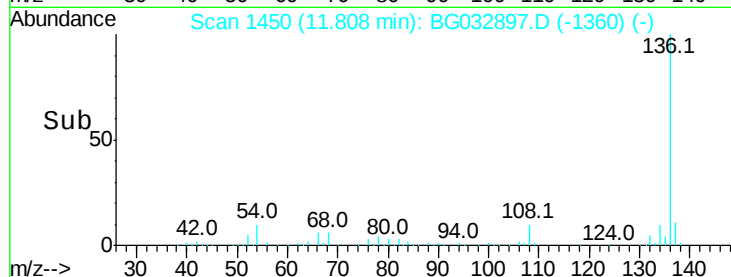
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	9.8	10.3	15.5
68	5.7	4.5	6.7

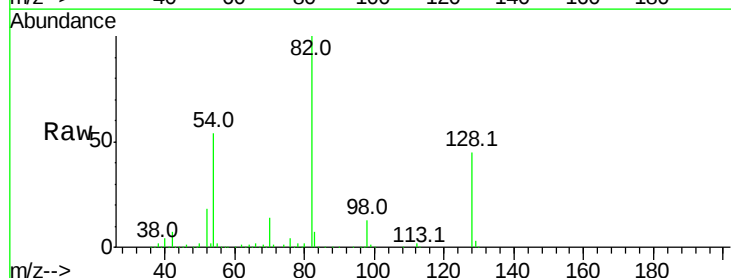


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

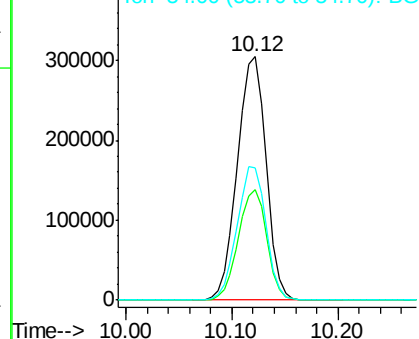
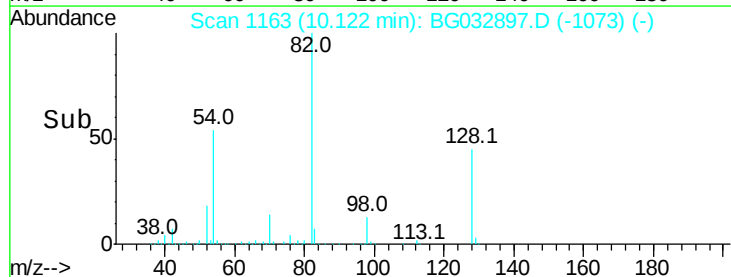


#23
Nitrobenzene-d5
Concen: 113.748 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.7	44.5
54	54.1	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: 6.701 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Instrument :

BNA_G

ClientSampleId :

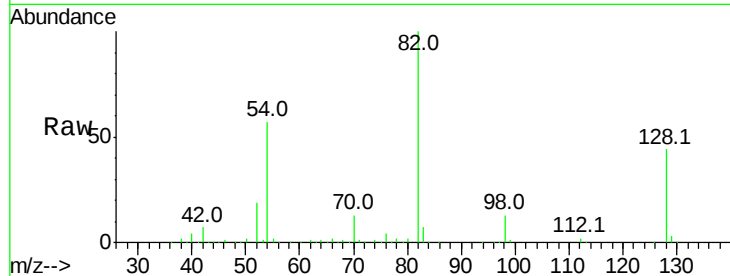
Tot Ion: 77 Resp: 1999

Ion Ratio Lower Upper

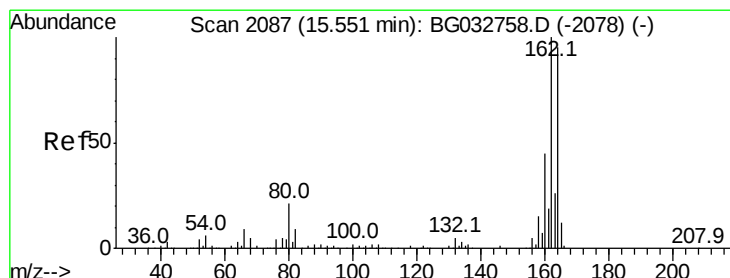
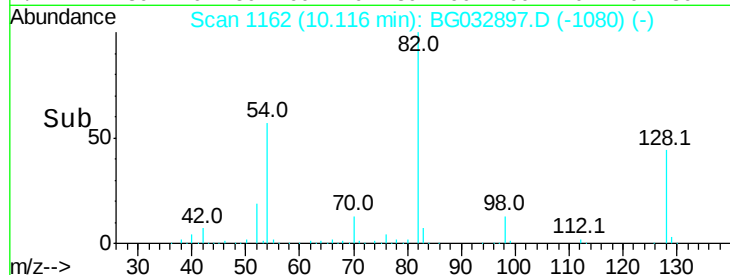
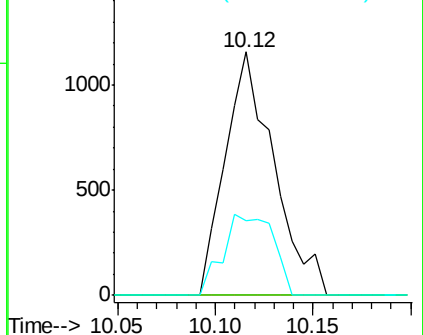
77 100

123 0.0 33.0 49.6#

65 30.7 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

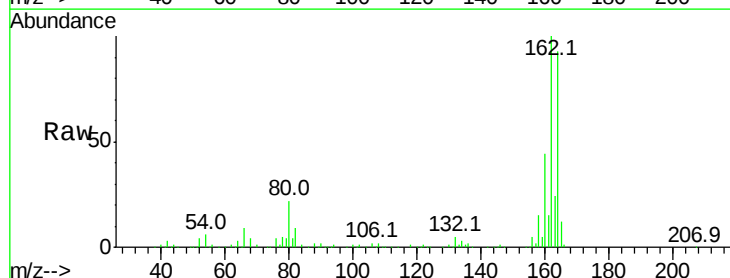
Tgt Ion:164 Resp: 189197

Ion Ratio Lower Upper

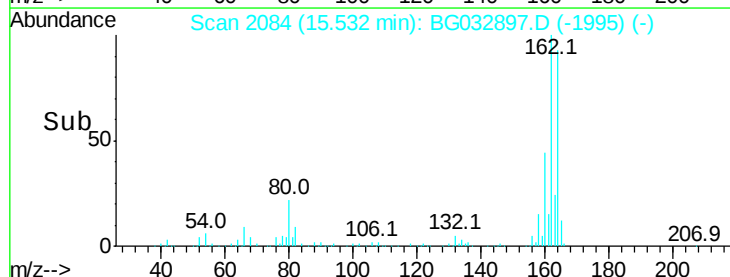
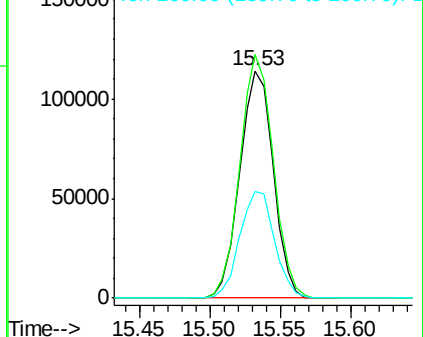
164 100

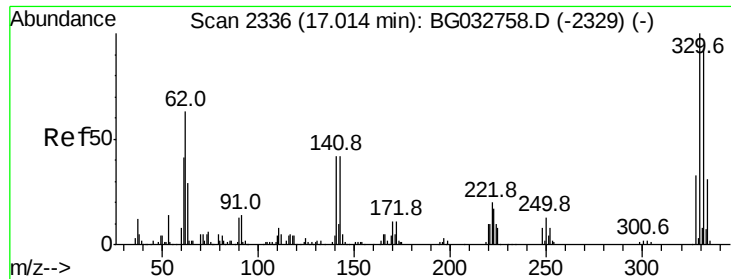
162 107.0 78.8 118.2

160 47.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

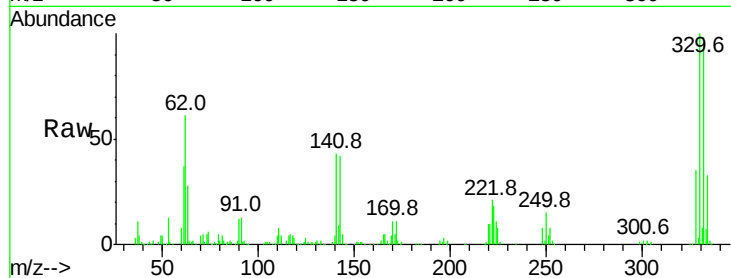




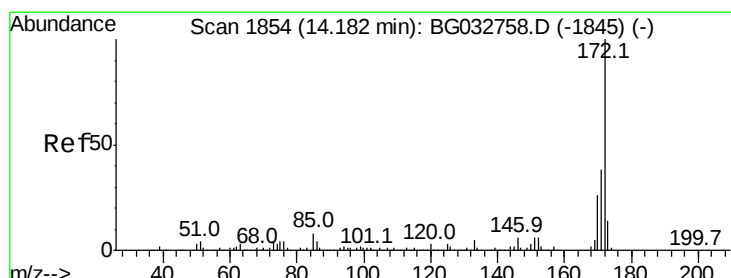
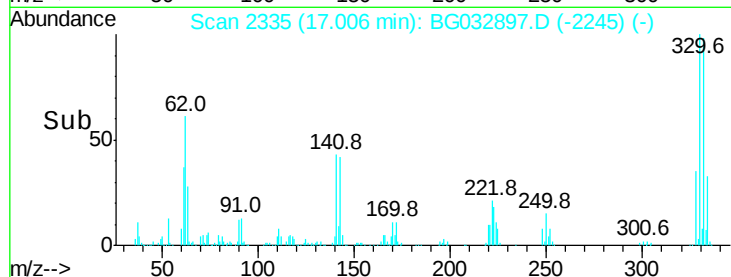
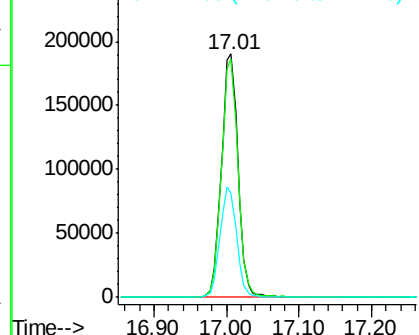
#41
 2,4,6-Tribromophenol
 Concen: 153.502 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032897.D
 Acq: 28 Feb 2018 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 305368
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 44.9 25.2 37.8#

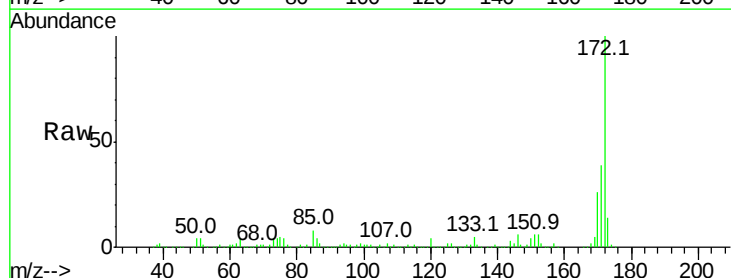


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

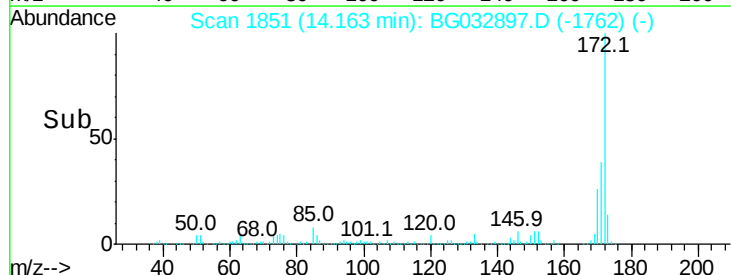
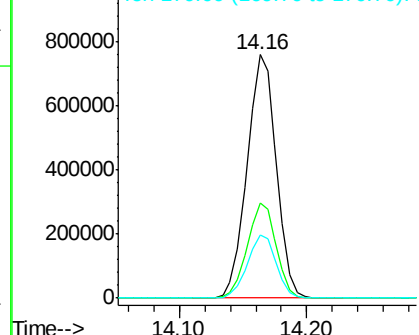


#44
 2-Fluorobiphenyl
 Concen: 92.278 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032897.D
 Acq: 28 Feb 2018 21:06

Tgt Ion:172 Resp: 1210513
 Ion Ratio Lower Upper
 172 100
 171 39.0 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: 10.414 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.46 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Instrument :

BNA_G

ClientSampleId :

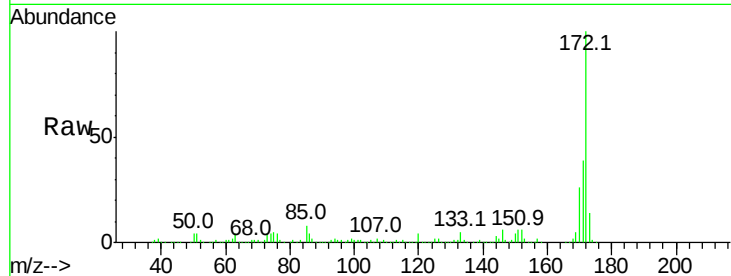
Tot Ion: 65 Resp: 2267

Ion Ratio Lower Upper

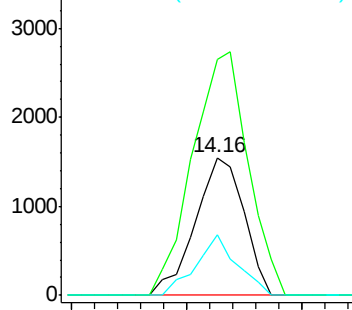
65 100

92 171.9 54.6 82.0#

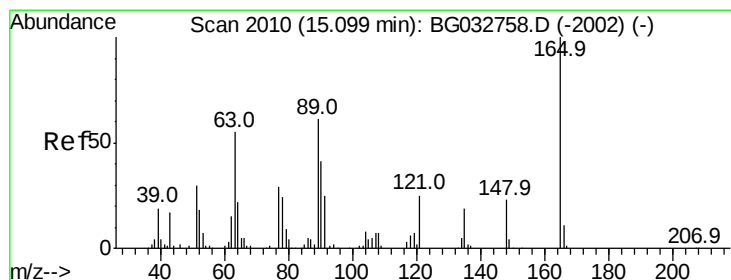
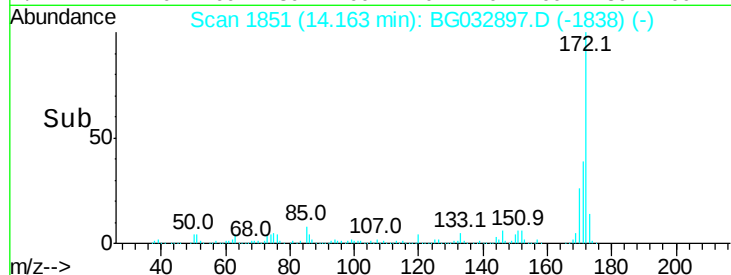
138 44.5 72.9 109.3#



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



Time--> 14.10 14.15 14.20



#50

2,6-Dinitrotoluene

Concen: 16.606 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

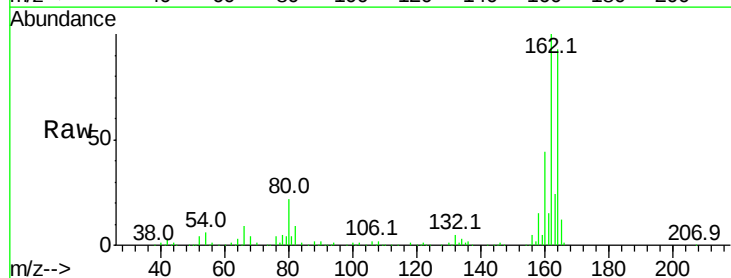
Tgt Ion:165 Resp: 25159

Ion Ratio Lower Upper

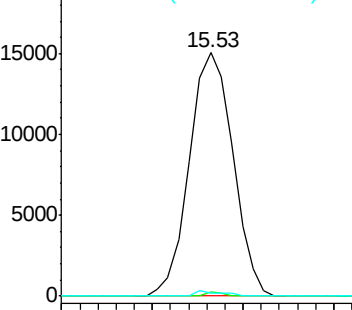
165 100

63 1.8 52.7 79.1#

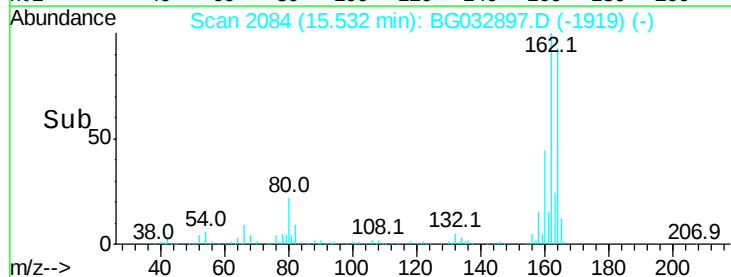
89 1.4 49.2 73.8#

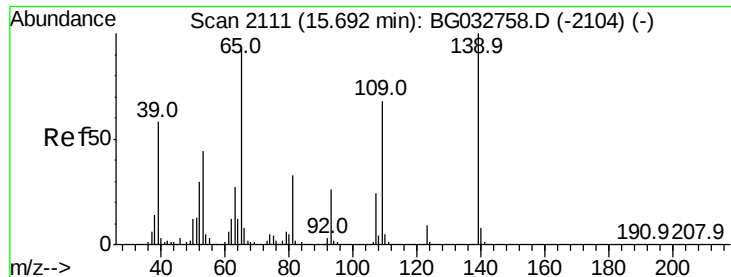


Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC



Time--> 15.45 15.50 15.55 15.60





#55

4-Nitrophenol

Concen: 7.296 ng

RT: 15.93 min Scan# 2151

Delta R.T. 0.24 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Instrument :

BNA_G

ClientSampleId :

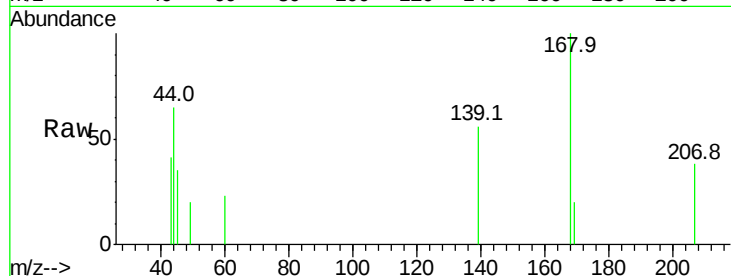
Tot Ion:139 Resp: 623

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

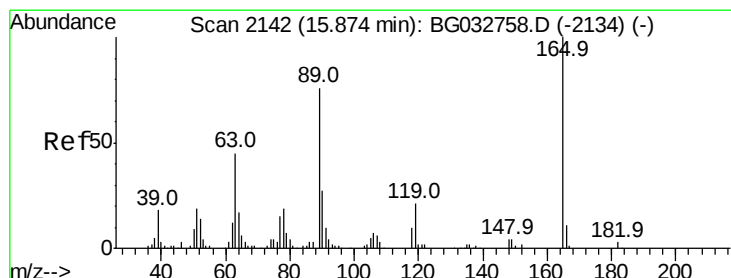
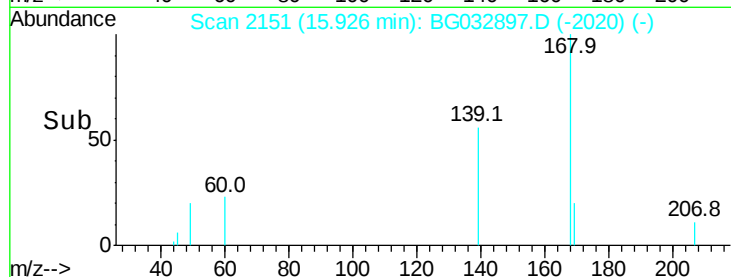
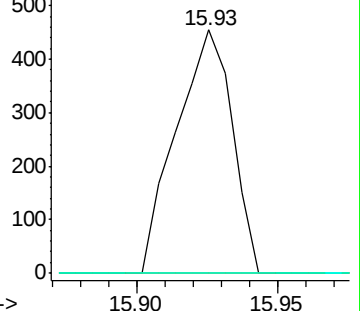
65 0.0 97.2 137.2#



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: 14.805 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.33 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Tgt Ion:165 Resp: 25159

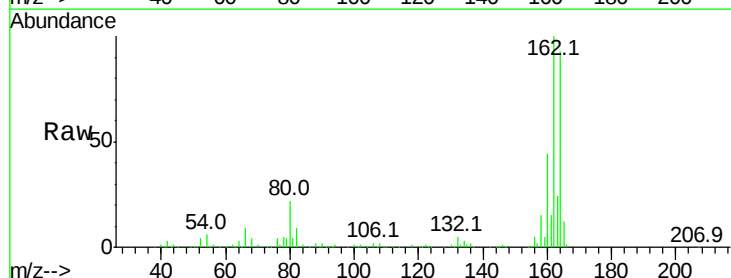
Ion Ratio Lower Upper

165 100

63 1.8 42.0 63.0#

89 1.4 66.9 100.3#

182 0.0 2.6 3.8#

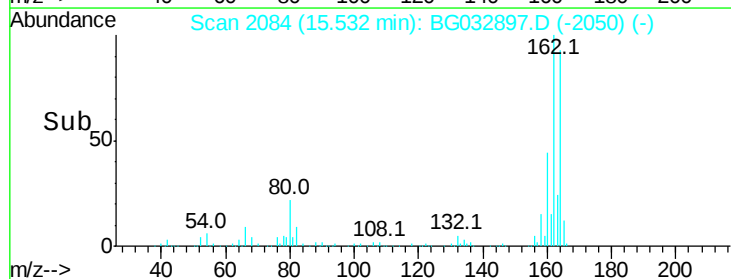
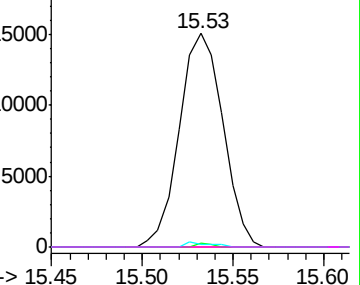


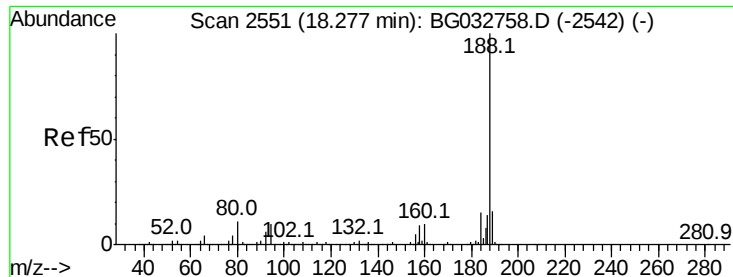
Abundance Ion 165.00 (164.70 to 165.70): E

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

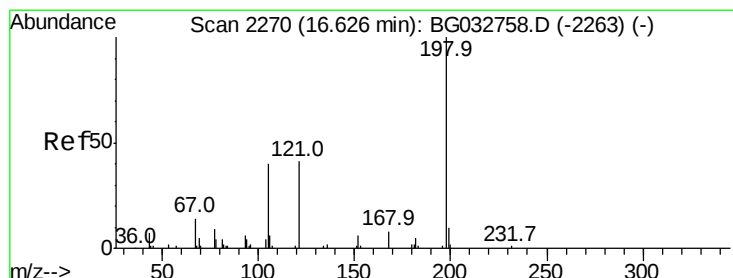
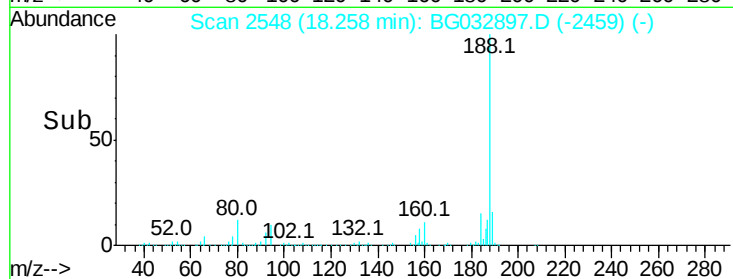
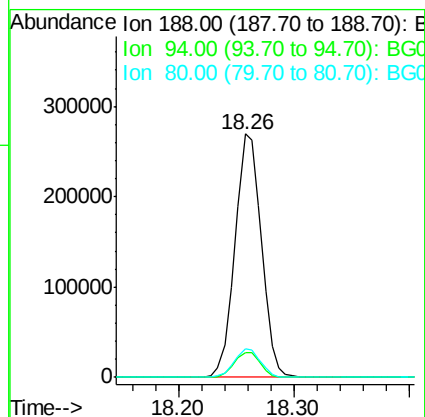
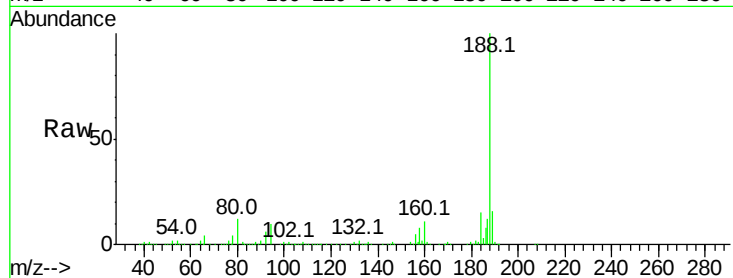




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

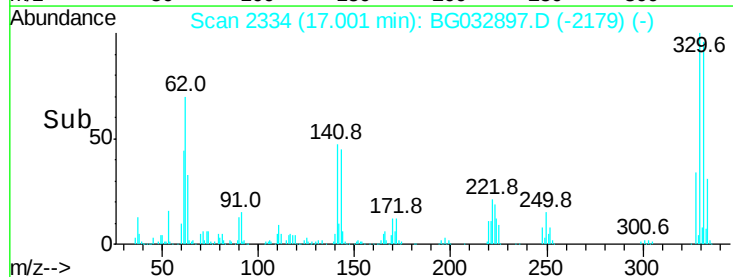
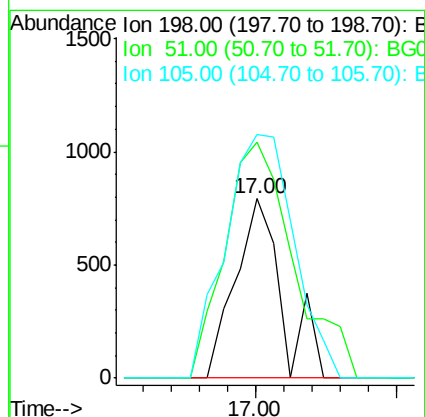
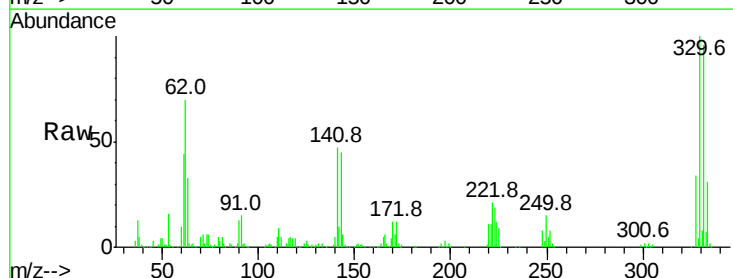
Instrument :
BNA_G
ClientSampleId :

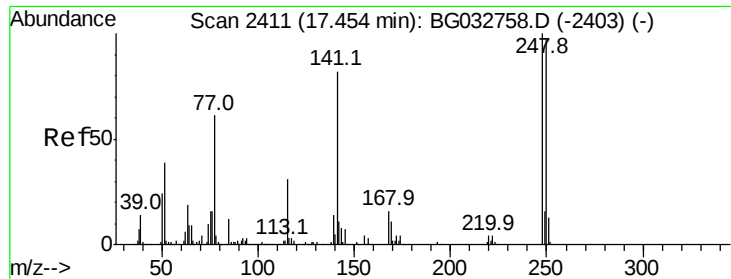
Tot Ion:188 Resp: 425783
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 11.9 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.844 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032897.D
Acq: 28 Feb 2018 21:06

Tgt Ion:198 Resp: 898
Ion Ratio Lower Upper
198 100
51 131.7 30.6 70.6#
105 135.9 23.8 63.8#

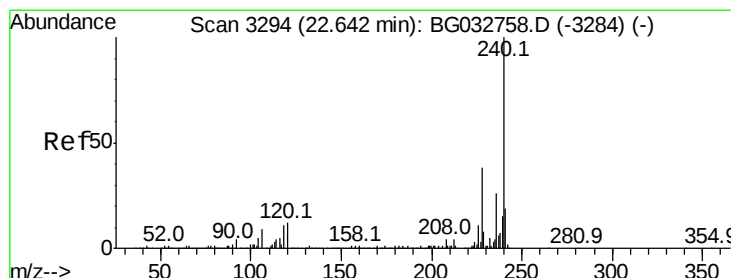
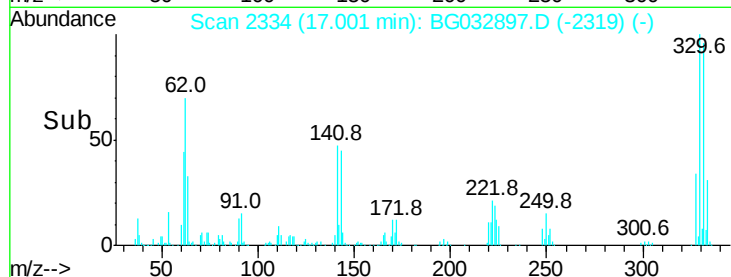
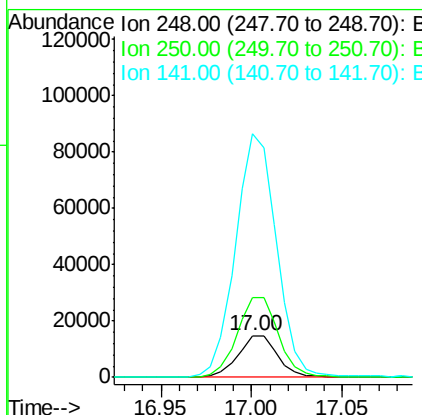
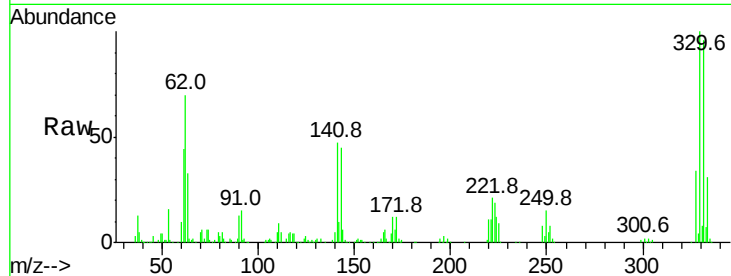




#66
 4-Bromophenyl-phenylether
 Concen: 4.965 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.44 min
 Lab File: BG032897.D
 Acq: 28 Feb 2018 21:06

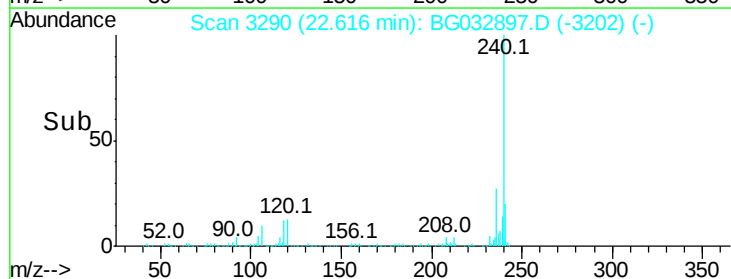
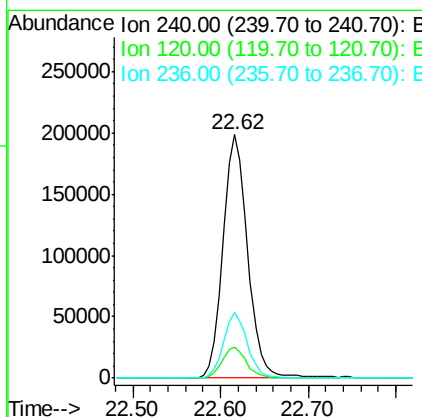
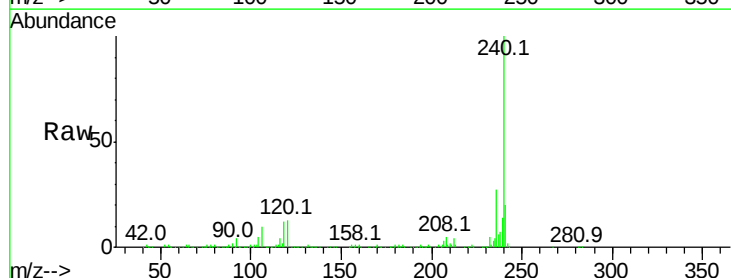
Instrument :
 BNA_G
 ClientSampled :

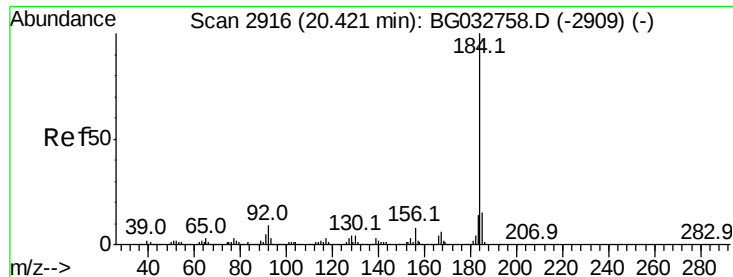
Tot Ion:248 Resp: 22355
 Ion Ratio Lower Upper
 248 100
 250 190.7 77.1 115.7#
 141 585.6 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032897.D
 Acq: 28 Feb 2018 21:06

Tgt Ion:240 Resp: 385928
 Ion Ratio Lower Upper
 240 100
 120 12.6 6.8 10.2#
 236 26.8 20.9 31.3





#76

Benzidine

Concen: 2.338 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

Instrument :

BNA_G

ClientSampleId :

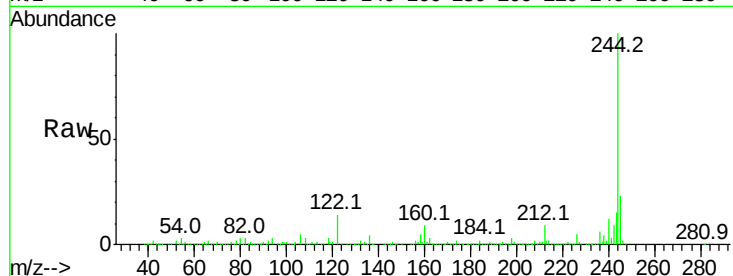
Tot Ion:184 Resp: 30758

Ion Ratio Lower Upper

184 100

185 13.4 11.1 16.7

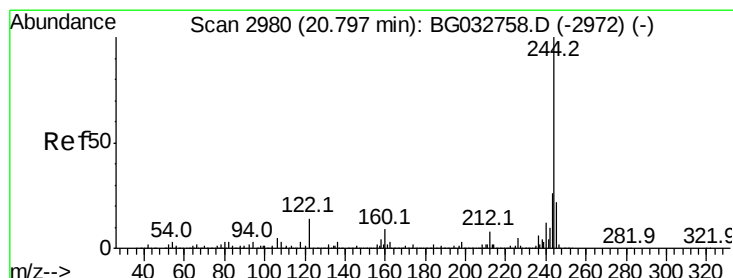
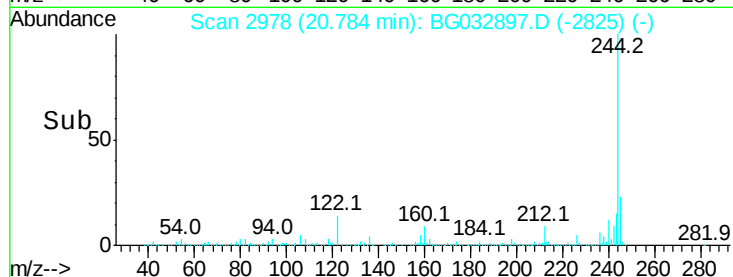
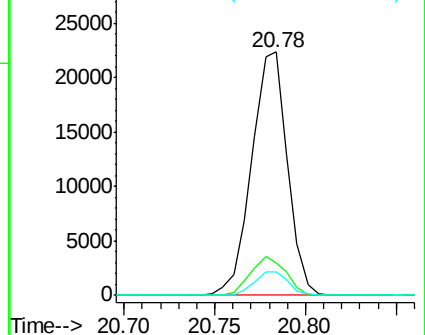
183 9.8 10.6 16.0#



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: 100.363 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032897.D

Acq: 28 Feb 2018 21:06

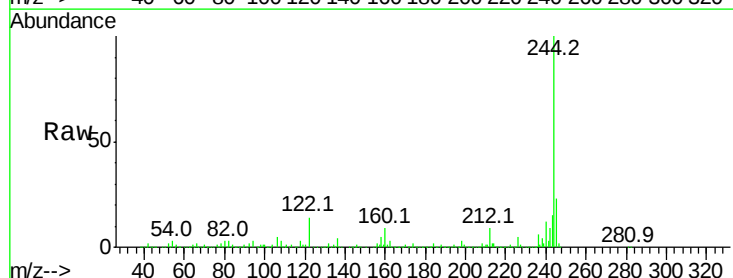
Tgt Ion:244 Resp: 1723973

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

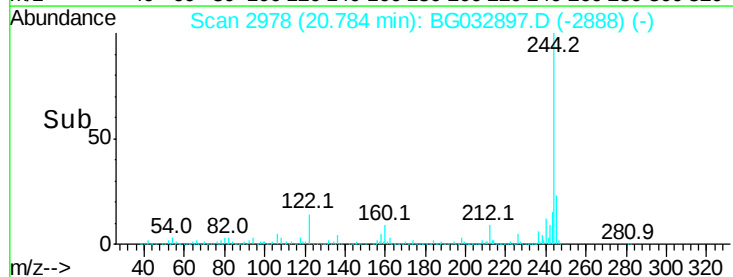
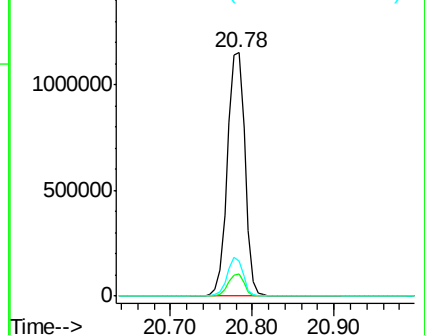
122 14.4 7.0 10.4#

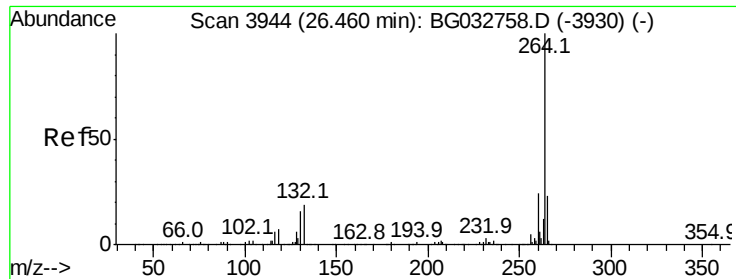


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG032897.D
 Acq: 28 Feb 2018 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.6	17.7	26.5

