

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032797.D
 Acq On : 23 Feb 2018 19:34
 Operator : SJ/JU
 Sample : J1652-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 23 21:49:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

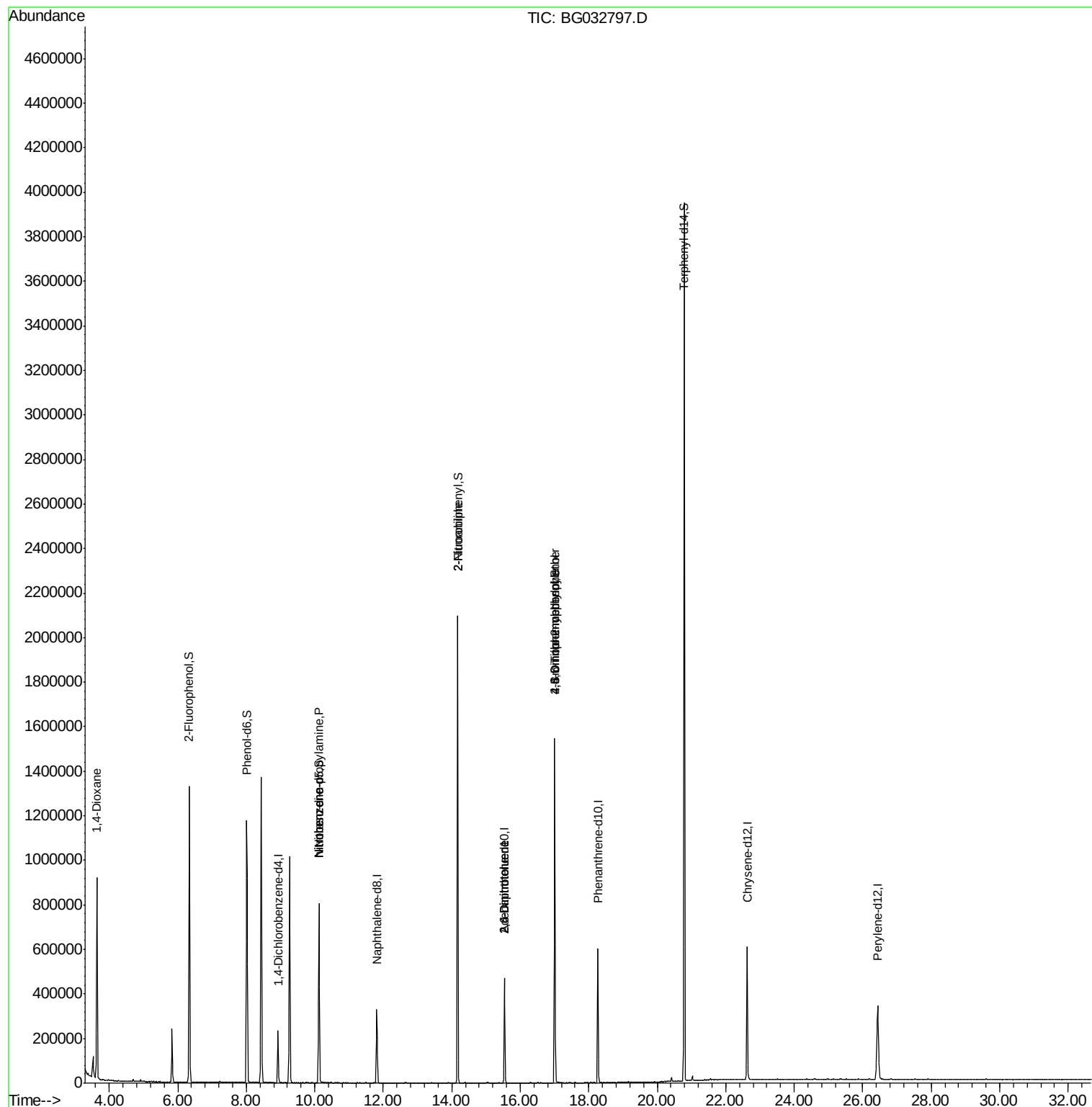
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	71226	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	298881	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	159340	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	368557	20.00	ng	0.00
75) Chrysene-d12	22.63	240	376667	20.00	ng	0.00
86) Perylene-d12	26.44	264	397890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	648509	145.67	ng	0.00
7) Phenol-d6	8.02	99	786418	126.73	ng	0.00
23) Nitrobenzene-d5	10.13	82	508405	114.19	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	287439	171.56	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1107705	100.26	ng	0.00
78) Terphenyl-d14	20.79	244	1697383	101.24	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.63	88	9120	4.72	ng	# 1
19) n-Nitroso-di-n-propylamine	10.12	70	65364	14.92	ng	# 83
24) Nitrobenzene	10.13	77	1169	6.59	ng	# 33
47) 2-Nitroaniline	14.17	65	1917	10.42	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	20213	16.25	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	20213	14.45	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	640	5.69	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20904	5.36	ng	# 1

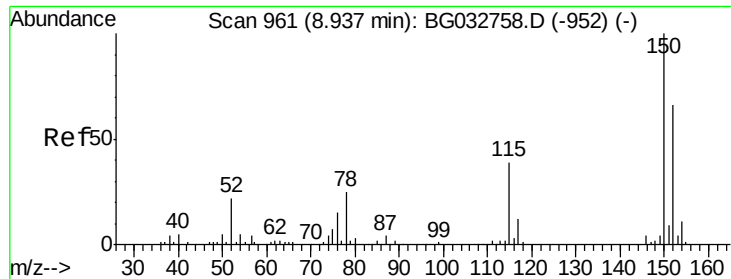
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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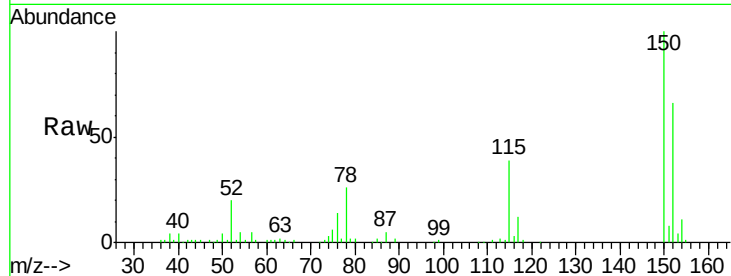


#1

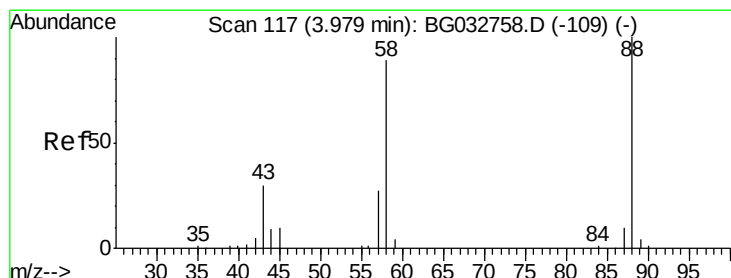
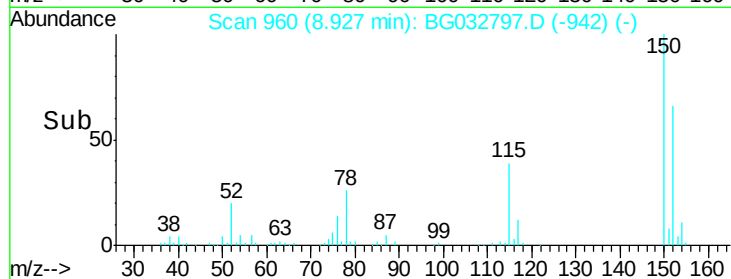
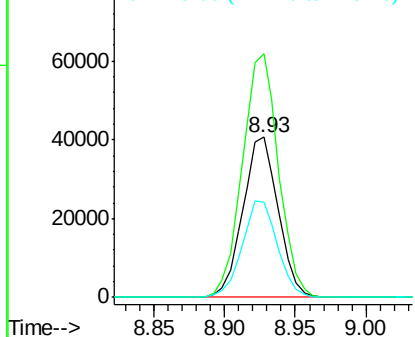
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032797.D
Acq: 23 Feb 2018 19:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71226
Ion Ratio Lower Upper
152 100
150 152.1 126.6 189.8
115 59.5 53.0 79.4



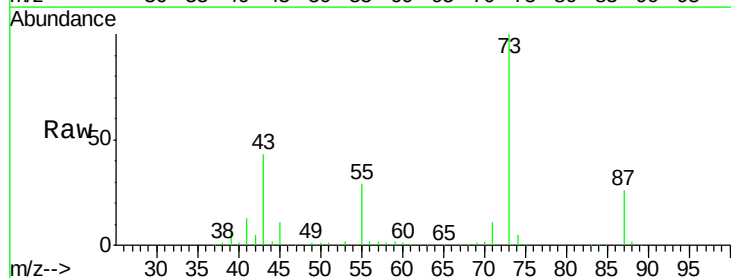
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



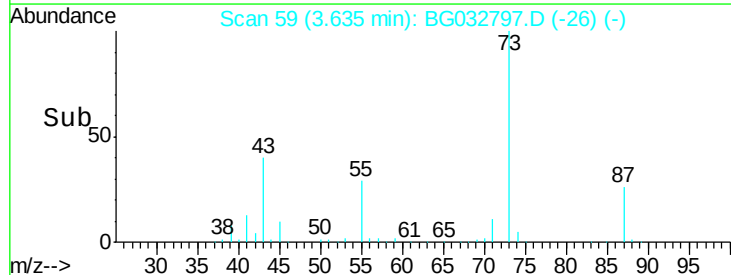
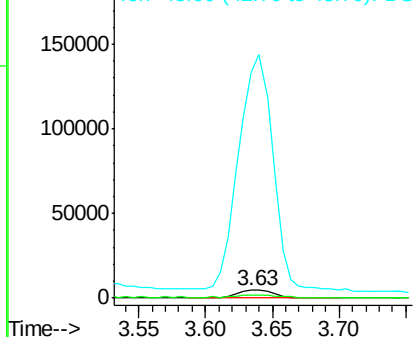
#2

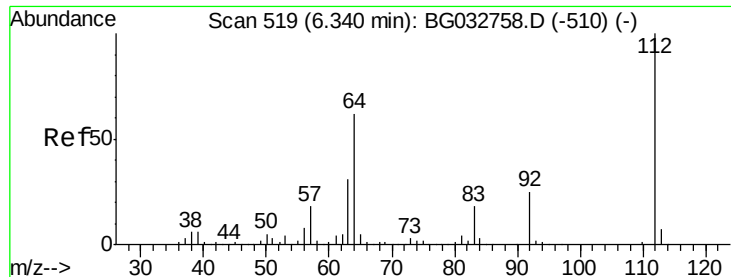
1,4-Dioxane
Concen: 4.72 ng
RT: 3.63 min Scan# 59
Delta R.T. -0.34 min
Lab File: BG032797.D
Acq: 23 Feb 2018 19:34

Tgt Ion: 88 Resp: 9120
Ion Ratio Lower Upper
88 100
58 36.4 79.6 119.4#
43 2770.9 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 145.67 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

Instrument :

BNA_G

ClientSampleId :

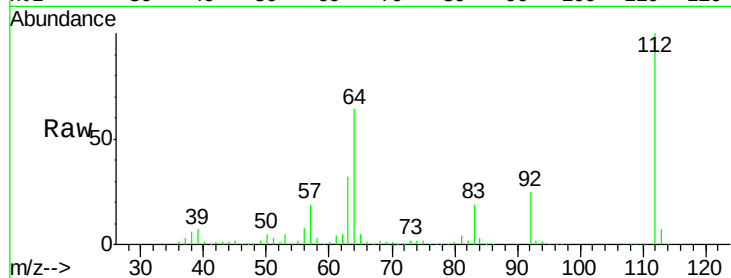
Tot Ion:112 Resp: 648509

Ion Ratio Lower Upper

112 100

64 64.3 56.3 84.5

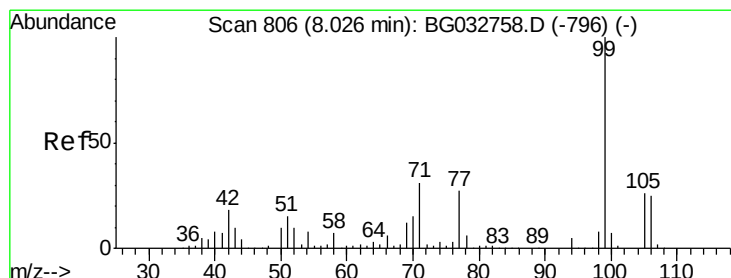
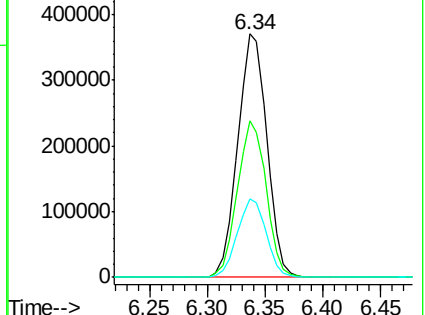
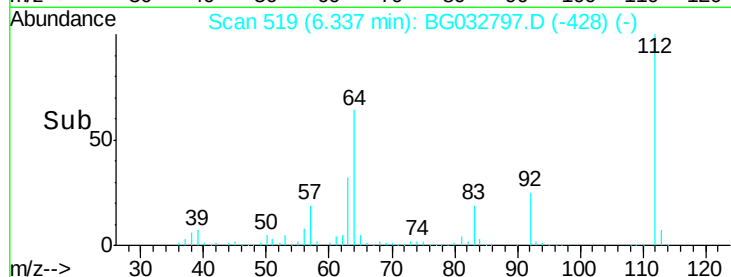
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.73 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

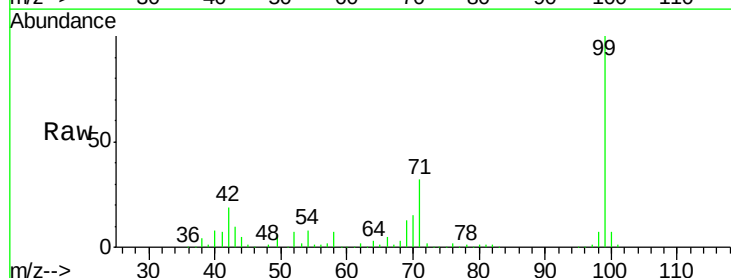
Tgt Ion: 99 Resp: 786418

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

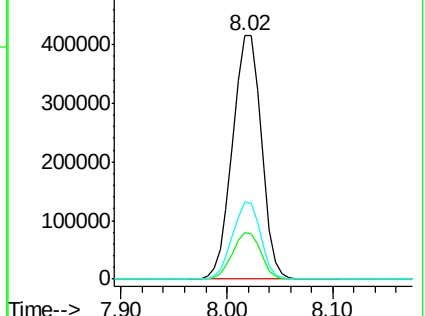
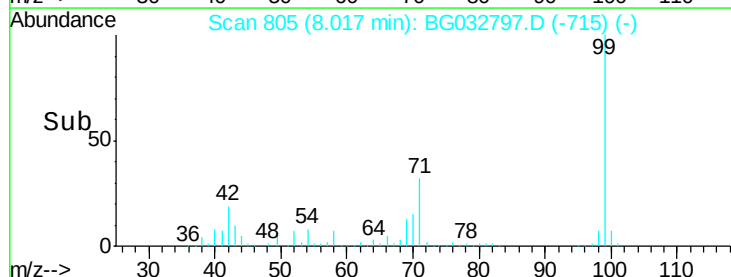
71 31.6 26.1 39.1

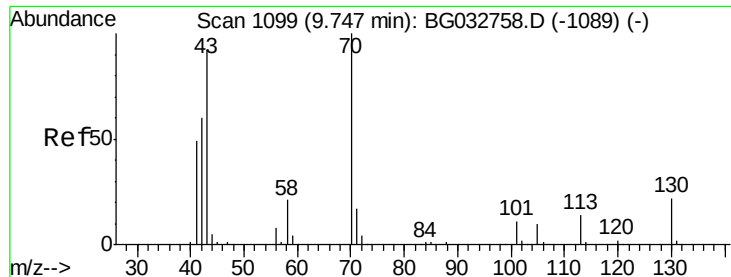


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

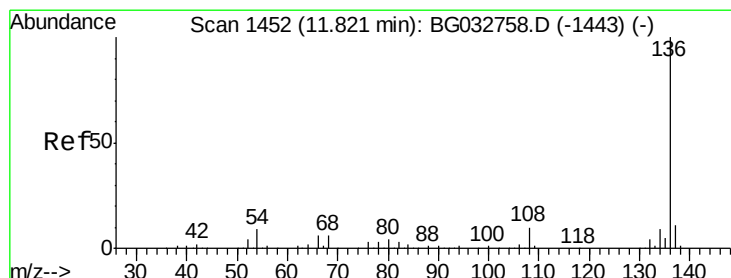
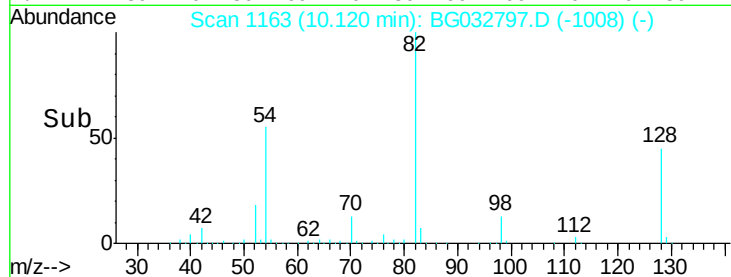
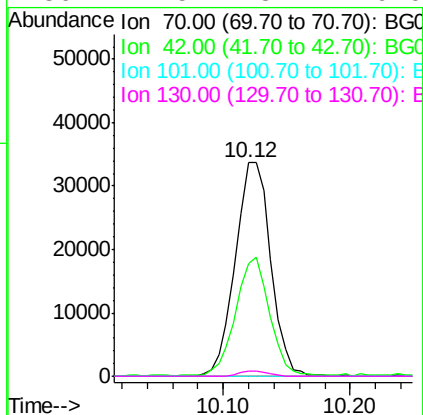
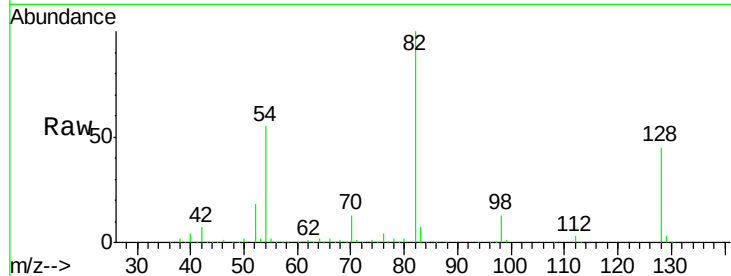




#19
n-Nitroso-di-n-propylamine
Concen: 14.92 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.38 min
Lab File: BG032797.D
Acq: 23 Feb 2018 19:34

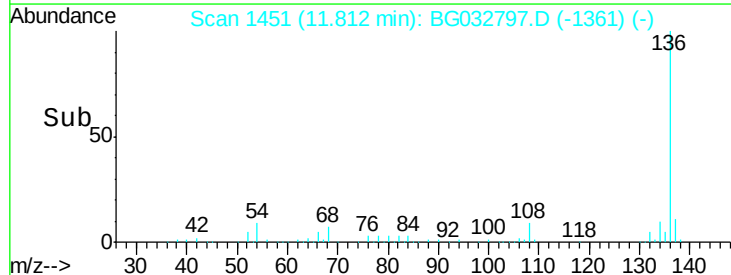
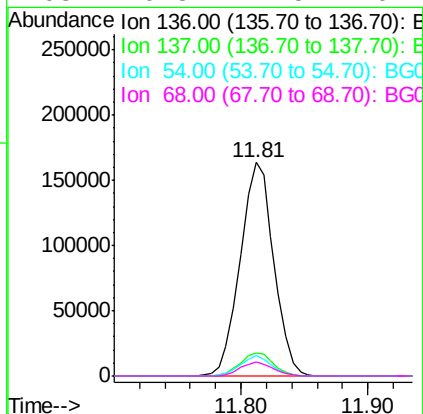
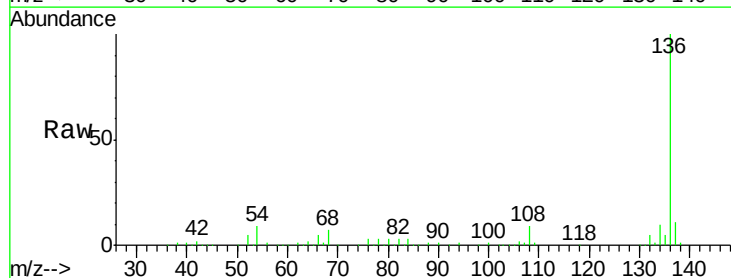
Instrument :
BNA_G
ClientSampleId :

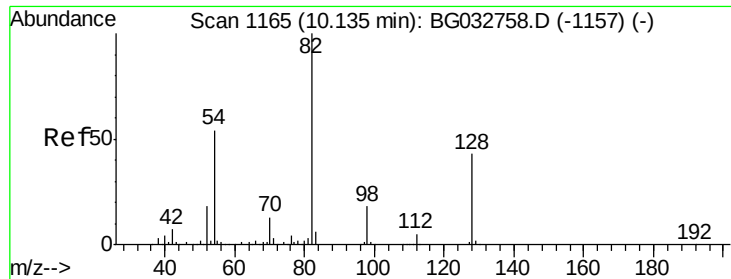
Tot Ion: 70 Resp: 65364
Ion Ratio Lower Upper
70 100
42 52.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032797.D
Acq: 23 Feb 2018 19:34

Tgt Ion: 136 Resp: 298881
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.4 10.3 15.5#
68 6.8 4.5 6.7#

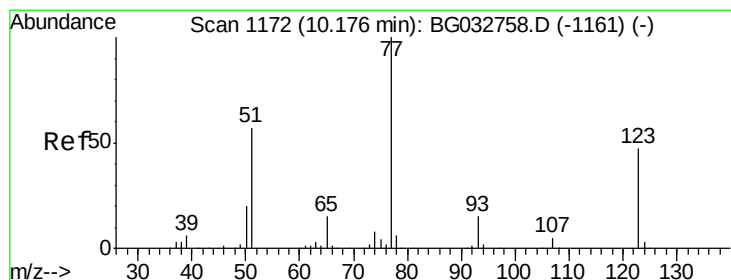
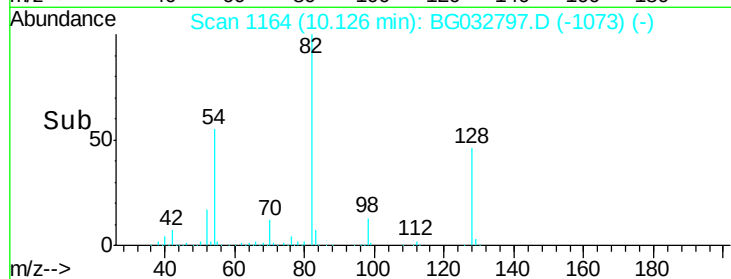
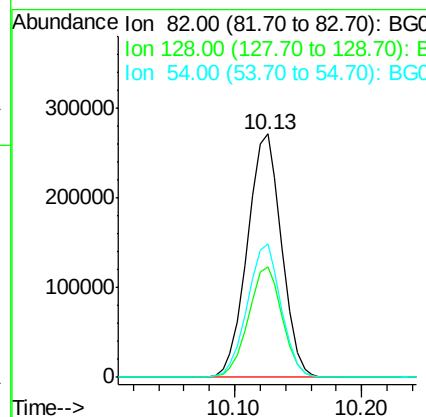
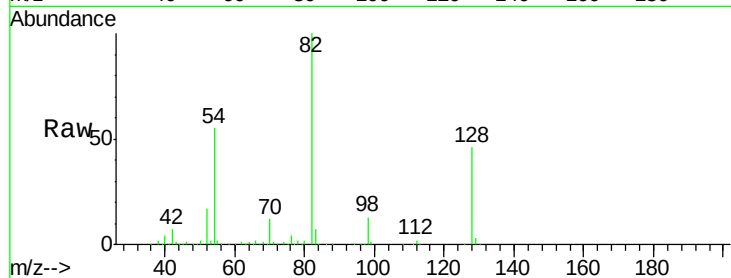




#23
 Nitrobenzene-d5
 Concen: 114.19 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

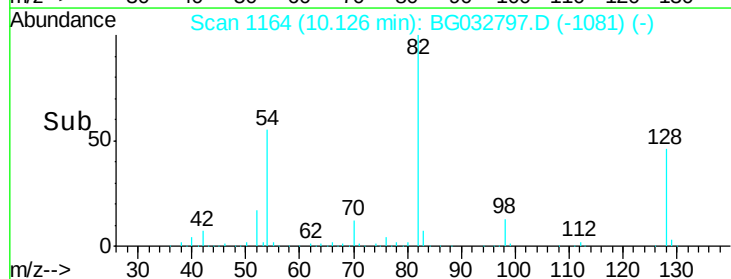
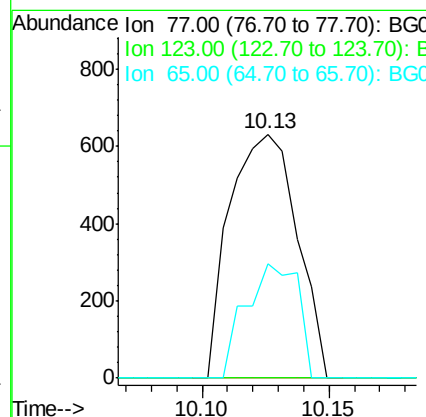
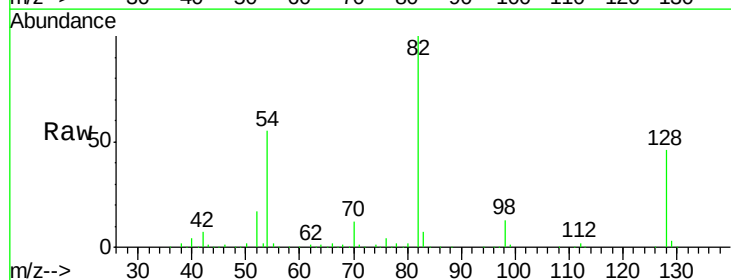
Instrument :
 BNA_G
 ClientSampled :

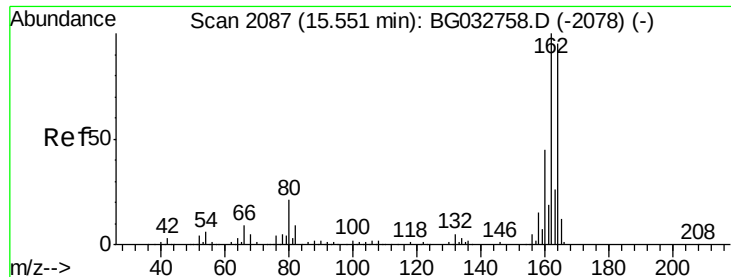
Tot Ion: 82 Resp: 508405
 Ion Ratio Lower Upper
 82 100
 128 45.6 29.7 44.5#
 54 54.6 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.59 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Tgt Ion: 77 Resp: 1169
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 46.9 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

Instrument :

BNA_G

ClientSampleId :

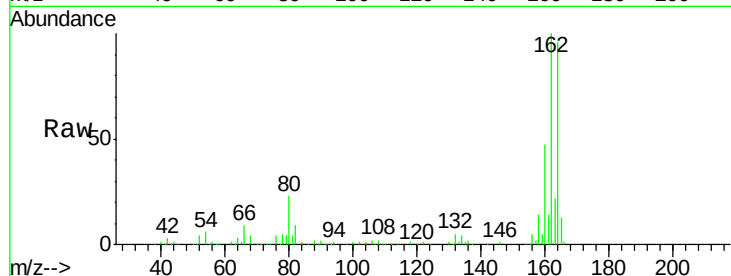
Tot Ion:164 Resp: 159340

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

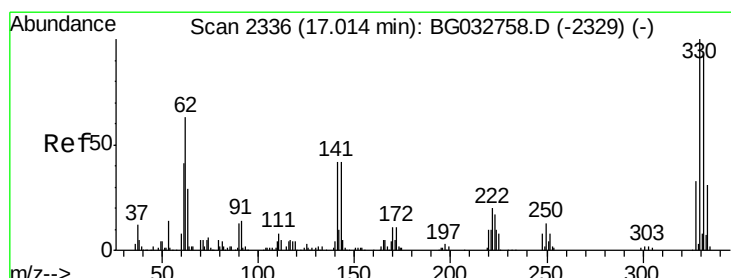
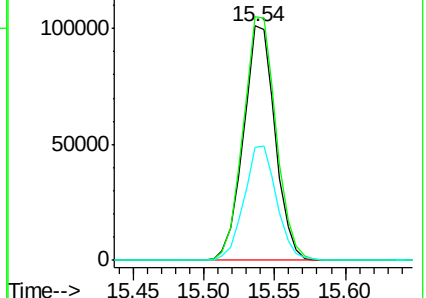
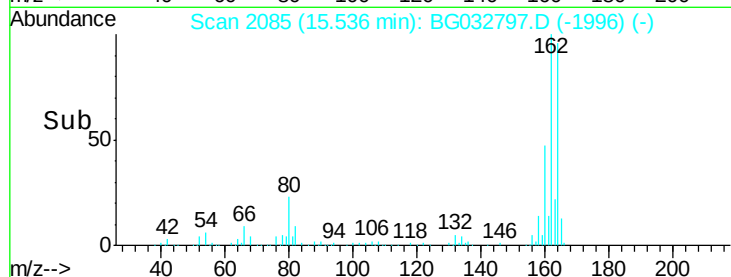
160 48.5 35.4 53.0



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: 171.56 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

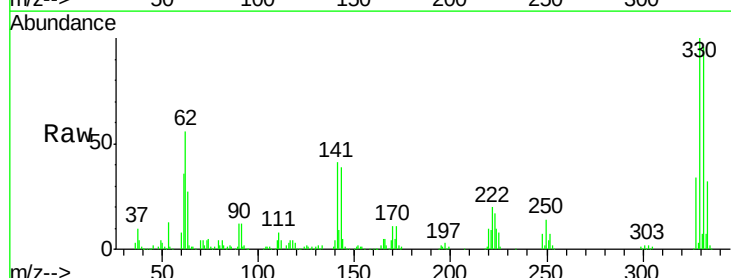
Tgt Ion:330 Resp: 287439

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

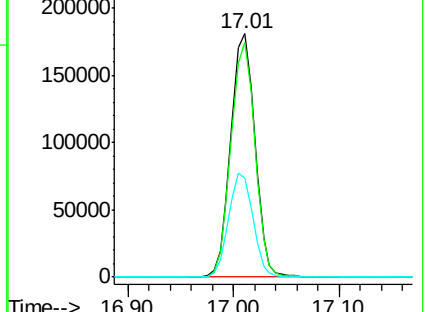
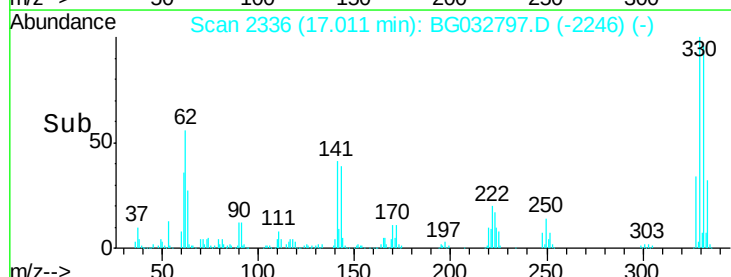
141 42.9 25.2 37.8#

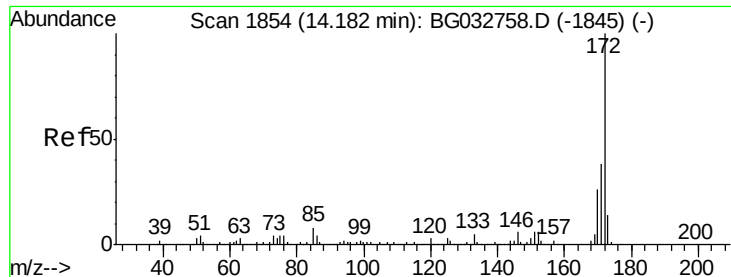


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

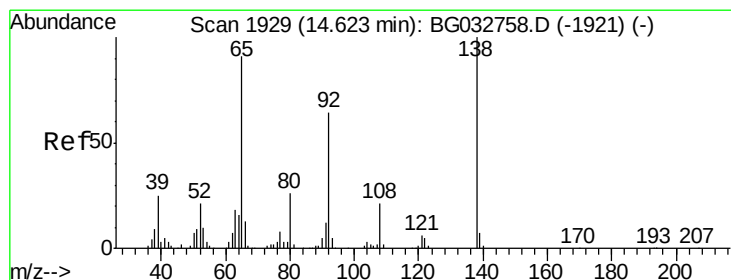
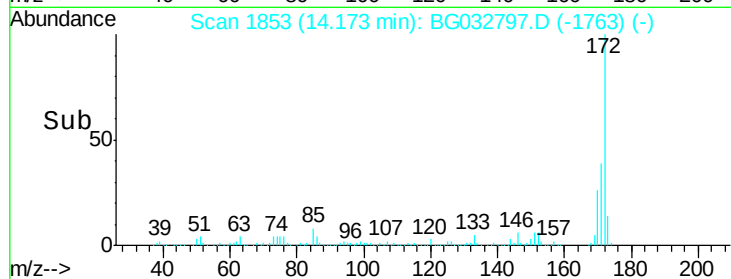
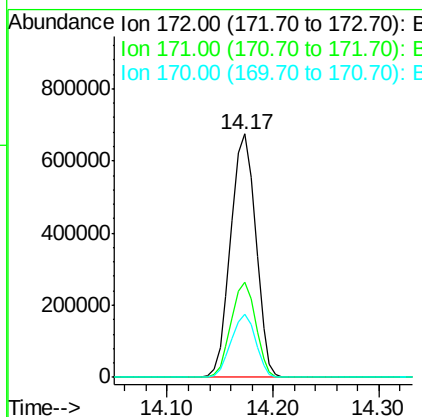
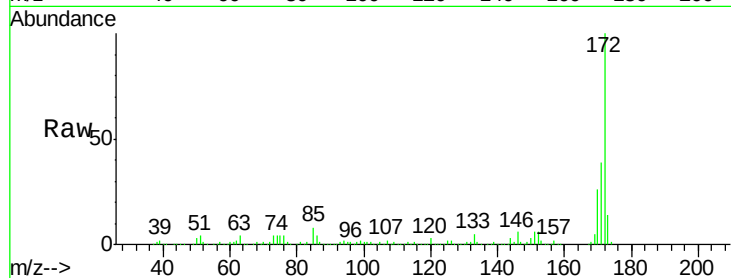




#44
 2-Fluorobiphenyl
 Concen: 100.26 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

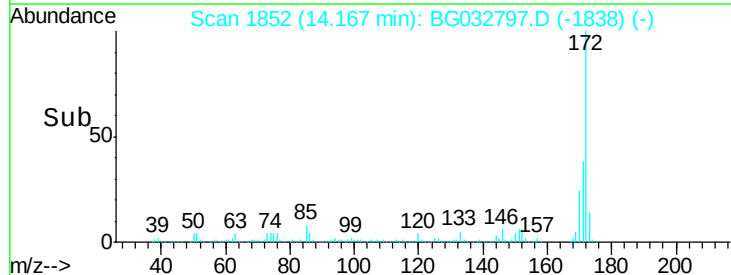
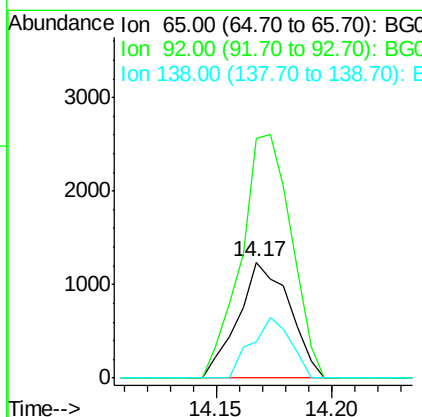
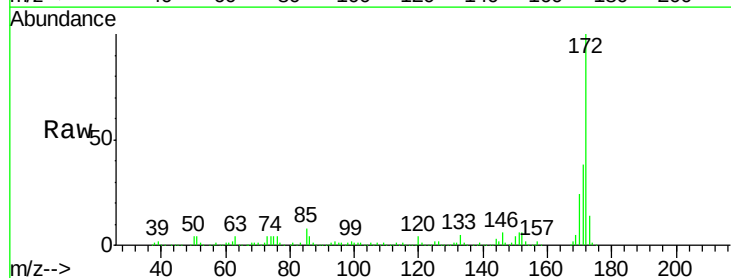
Instrument :
 BNA_G
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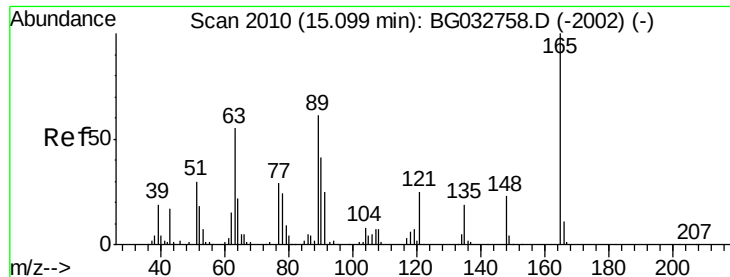
Tot Ion:172 Resp: 1107705
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 26.0 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.42 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Tgt Ion: 65 Resp: 1917
 Ion Ratio Lower Upper
 65 100
 92 207.2 54.6 82.0#
 138 31.3 72.9 109.3#

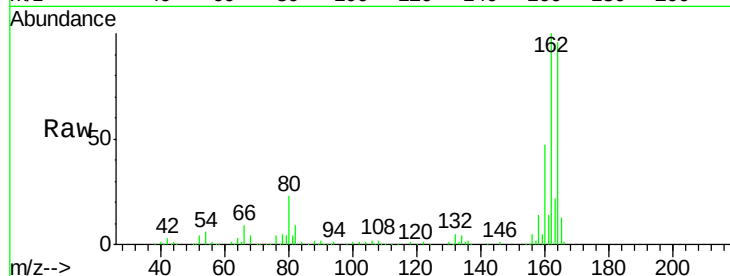




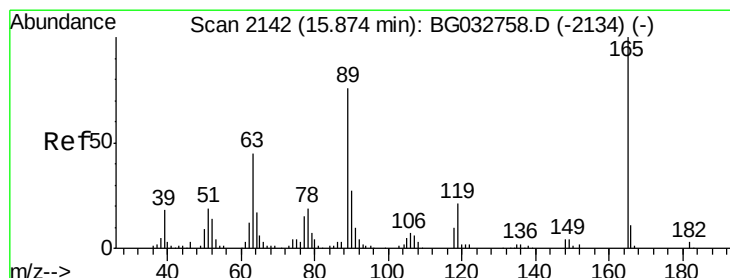
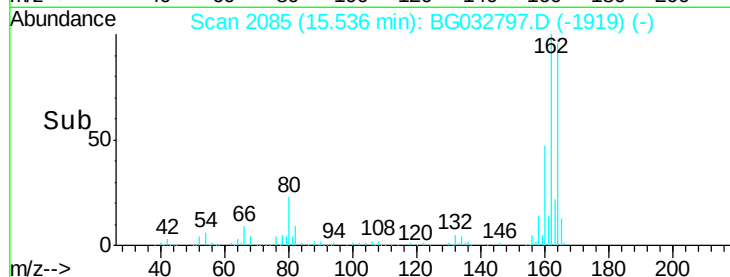
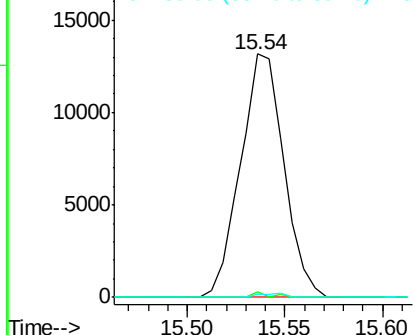
#50
 2,6-Dinitrotoluene
 Concen: 16.25 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. 0.44 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 20213
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 1.3 49.2 73.8#

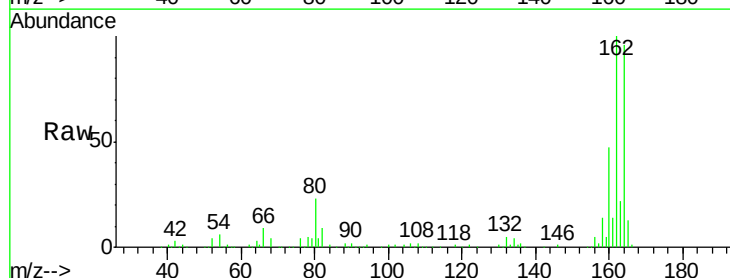


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

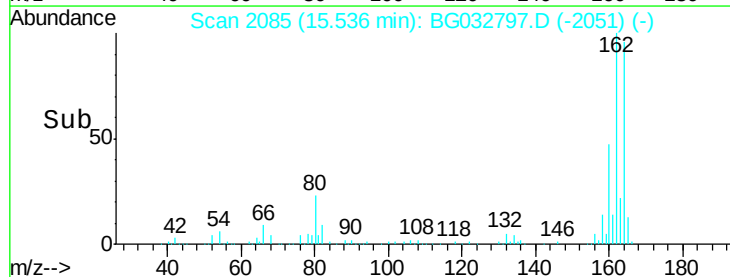
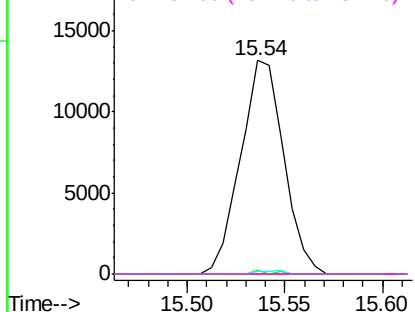


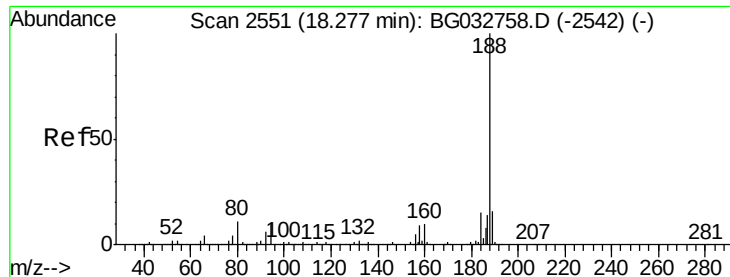
#56
 2,4-Dinitrotoluene
 Concen: 14.45 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Tgt Ion:165 Resp: 20213
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 1.3 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: 20.00 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

Instrument :

BNA_G

ClientSampleId :

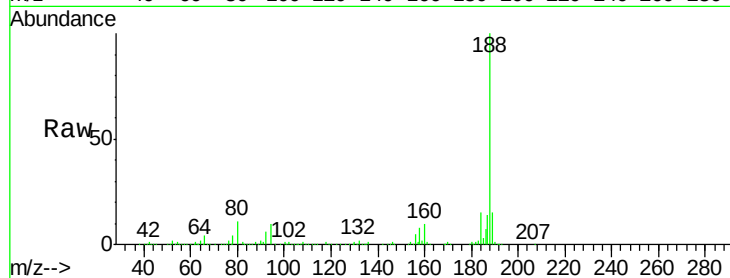
Tot Ion:188 Resp: 368557

Ion Ratio Lower Upper

188 100

94 10.2 6.9 10.3

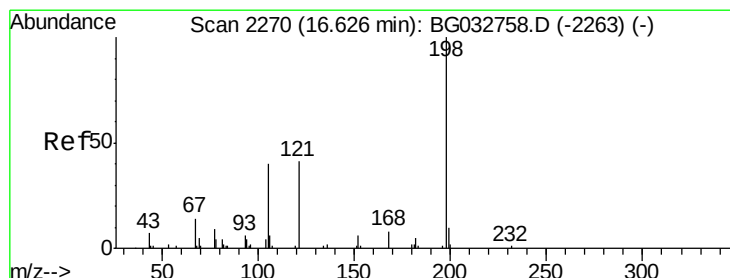
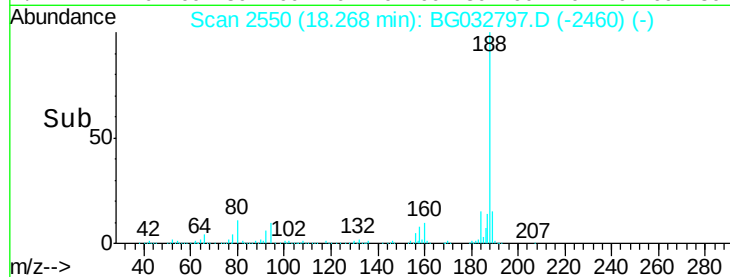
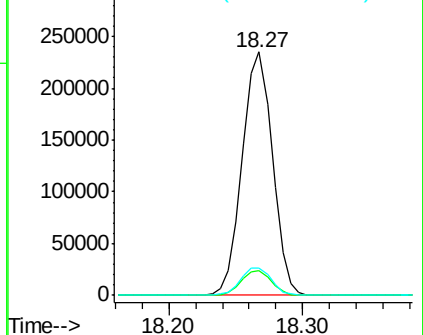
80 11.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.69 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

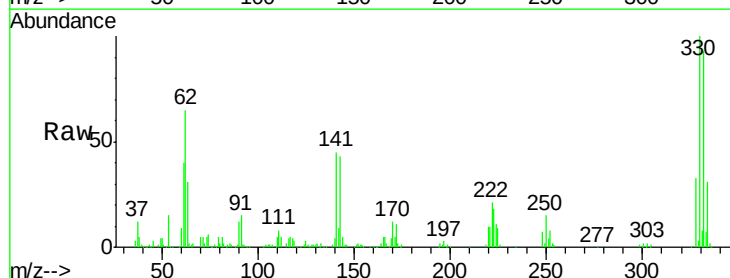
Tgt Ion:198 Resp: 640

Ion Ratio Lower Upper

198 100

51 173.5 30.6 70.6#

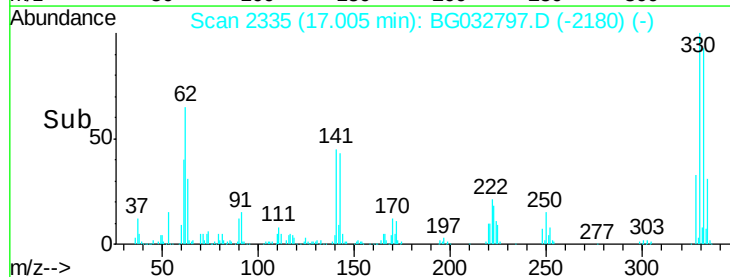
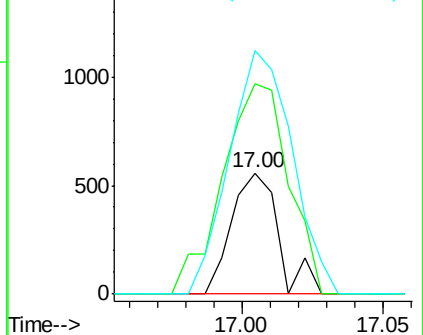
105 200.7 23.8 63.8#

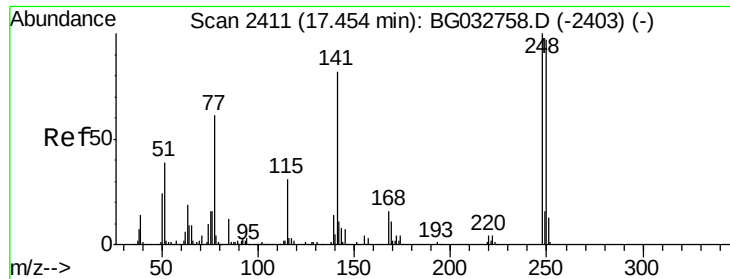


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

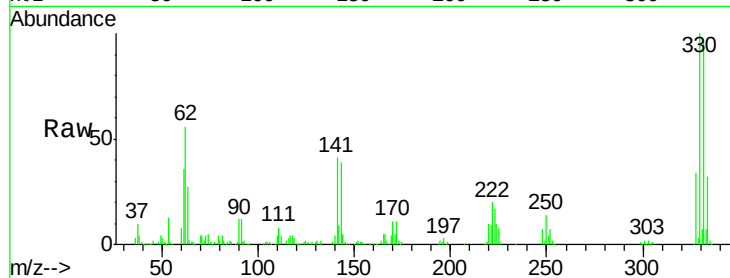




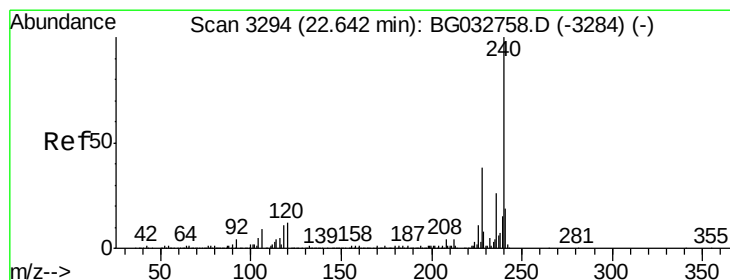
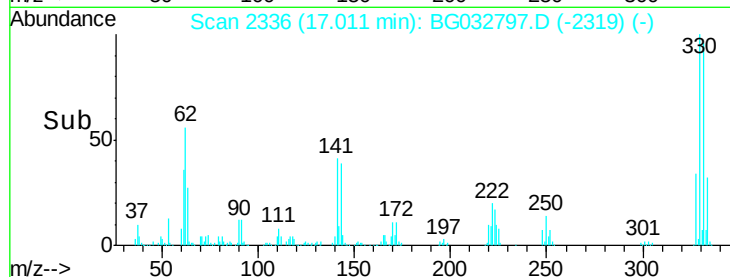
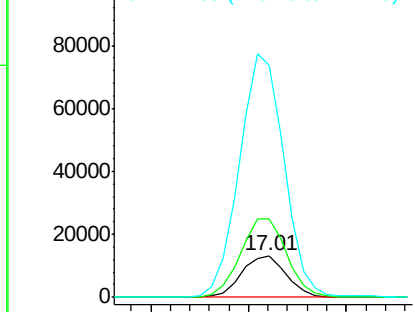
#66
 4-Bromophenyl-phenylether
 Concen: 5.36 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20904
 Ion Ratio Lower Upper
 248 100
 250 187.6 77.1 115.7#
 141 553.0 50.8 76.2#

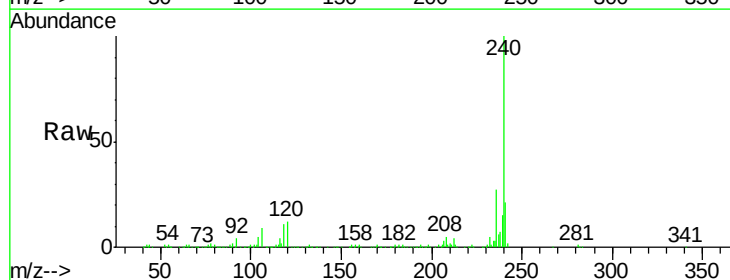


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

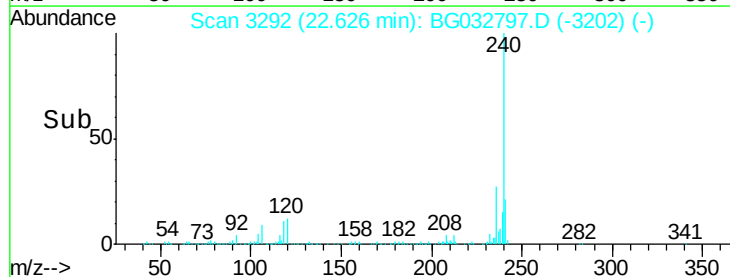
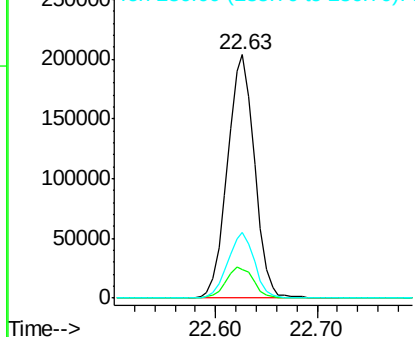


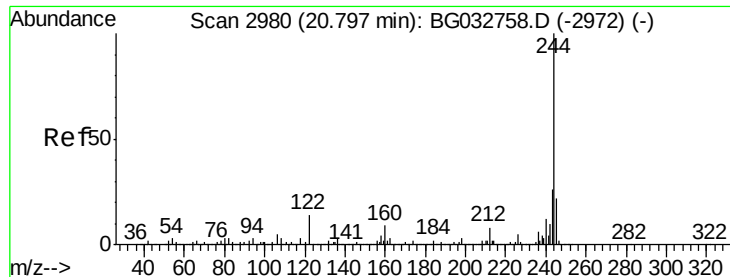
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. -0.00 min
 Lab File: BG032797.D
 Acq: 23 Feb 2018 19:34

Tgt Ion:240 Resp: 376667
 Ion Ratio Lower Upper
 240 100
 120 12.0 6.8 10.2#
 236 26.8 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: 101.24 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

Instrument :

BNA_G

ClientSampleId :

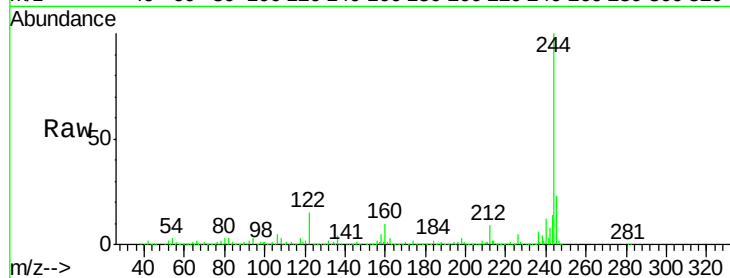
Tot Ion:244 Resp: 1697383

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

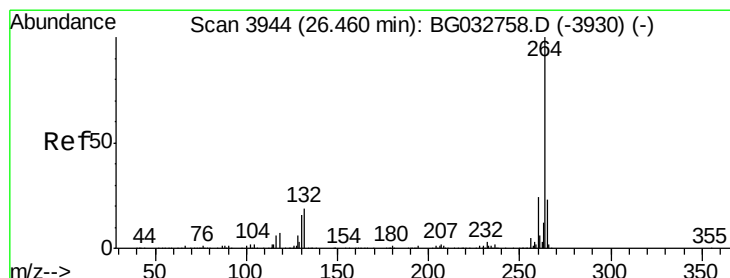
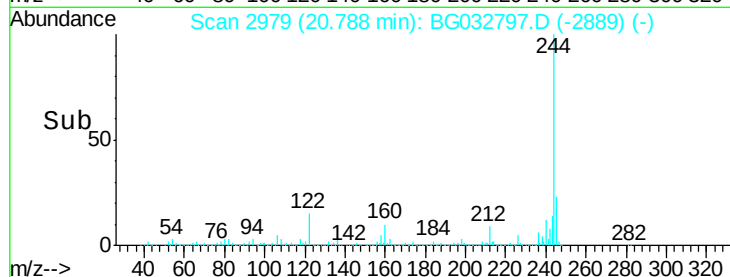
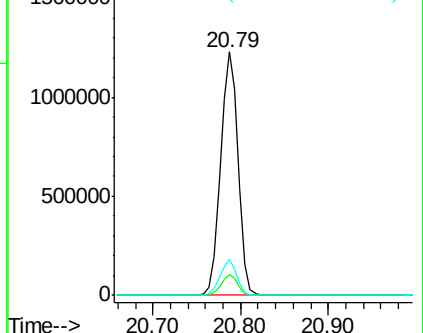
122 14.8 7.0 10.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032797.D

Acq: 23 Feb 2018 19:34

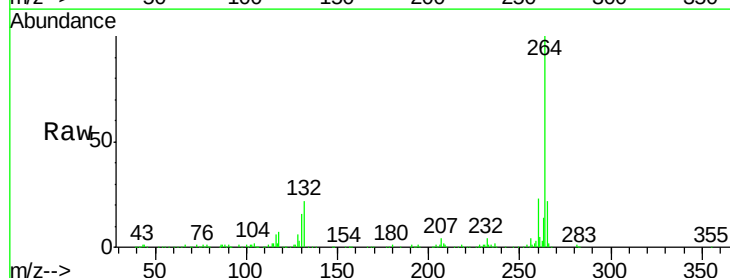
Tgt Ion:264 Resp: 397890

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.5 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

