

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032707.D
 Acq On : 15 Feb 2018 9:01
 Operator : SJ/JU
 Sample : J1541-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 11:07:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	25202	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	114418	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	82082	20.00	ng	-0.02
63) Phenanthrene-d10	18.02	188	200211	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	295279	20.00	ng	-0.02
86) Perylene-d12	25.99	264	339120	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.11	112	184434	146.83	ng	0.00
7) Phenol-d6	7.78	99	193129	112.44	ng	-0.01
23) Nitrobenzene-d5	9.85	82	166274	92.36	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	229599	181.66	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	586558	89.36	ng	-0.01
78) Terphenyl-d14	20.58	244	1218011	94.02	ng	0.00

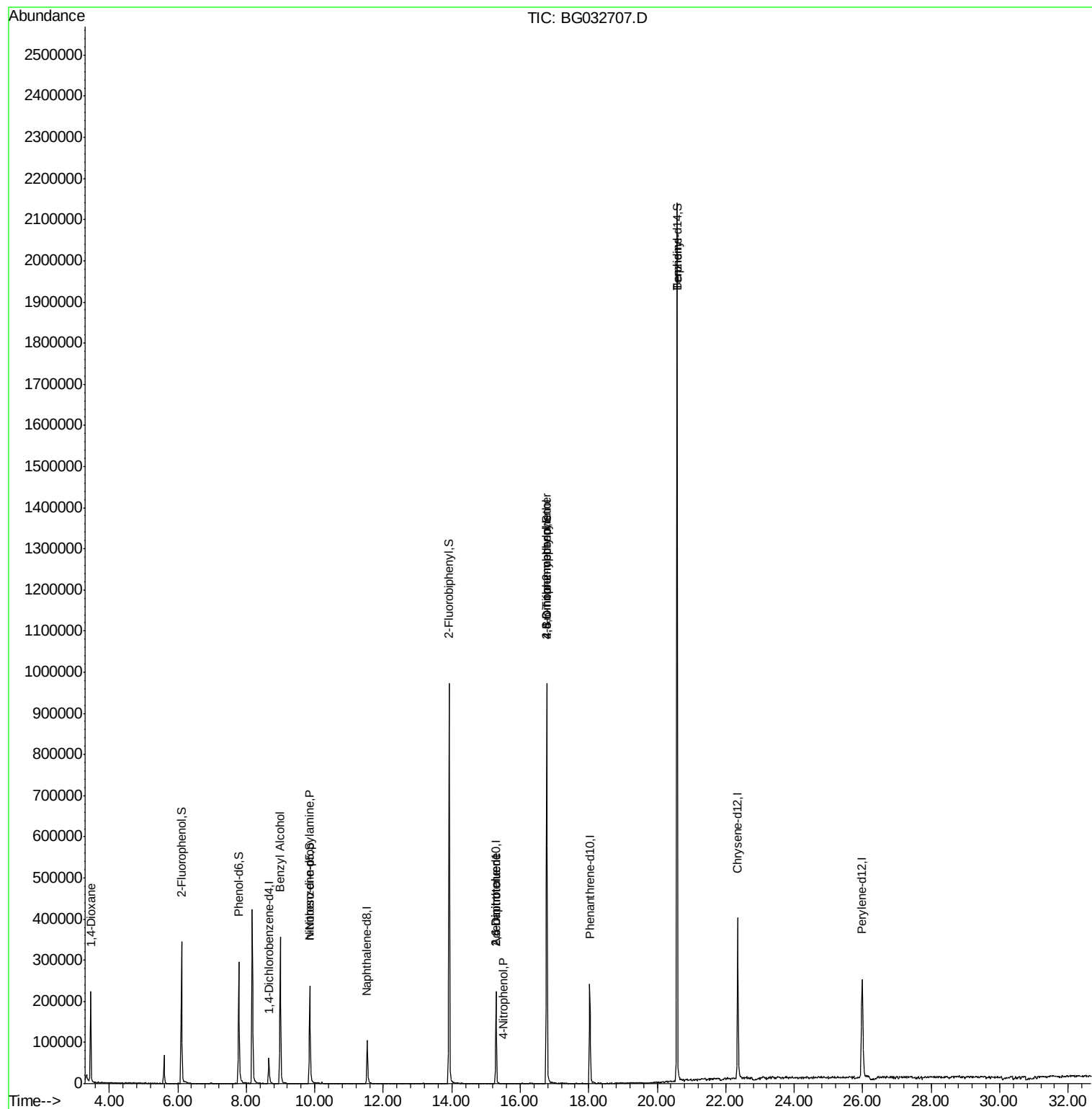
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.46	88	2078	3.955	ng	# 1
15) Benzyl Alcohol	8.99	79	2732	2.122	ng	# 22
19) n-Nitroso-di-n-propylamine	9.86	70	24436	21.162	ng	# 73
50) 2,6-Dinitrotoluene	15.29	165	10902	7.461	ng	# 18
55) 4-Nitrophenol	15.52	139	56	5.540	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	10902	5.415	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.78	198	634	5.413	ng	# 63
66) 4-Bromophenyl-phenylether	16.77	248	19328	6.746	ng	# 1
76) Benzidine	20.57	184	17452	2.510	ng	# 91

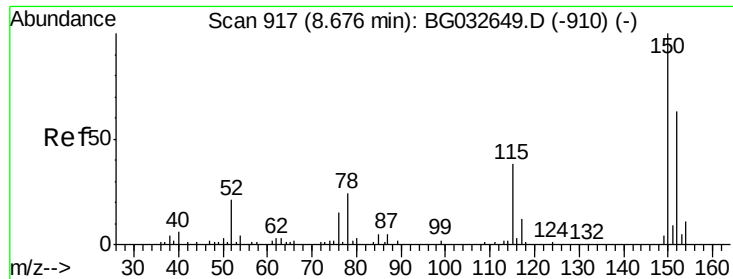
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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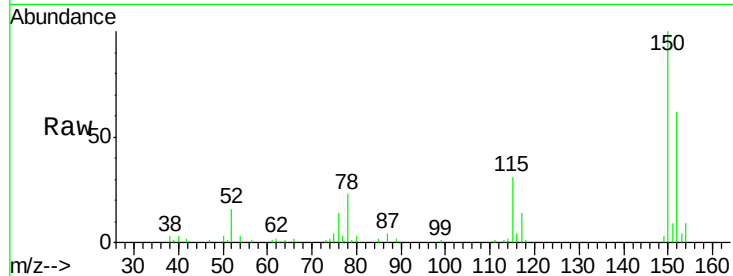


#1

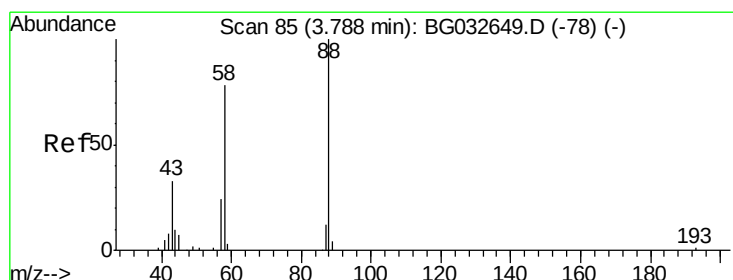
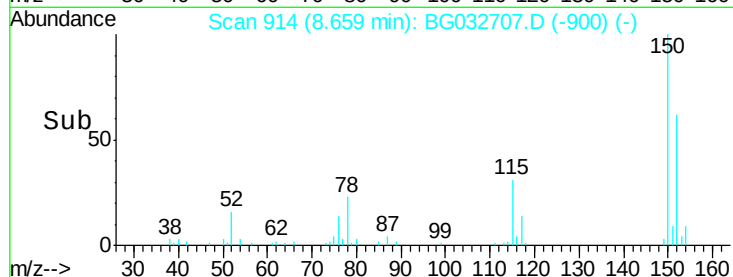
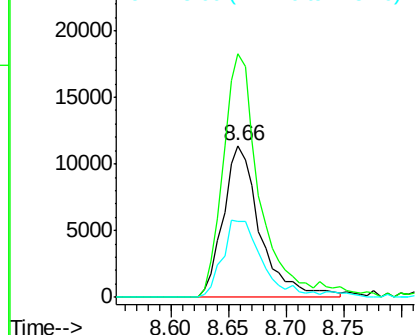
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 25202
Ion Ratio Lower Upper
152 100
150 160.4 126.6 189.8
115 50.3 53.0 79.4#



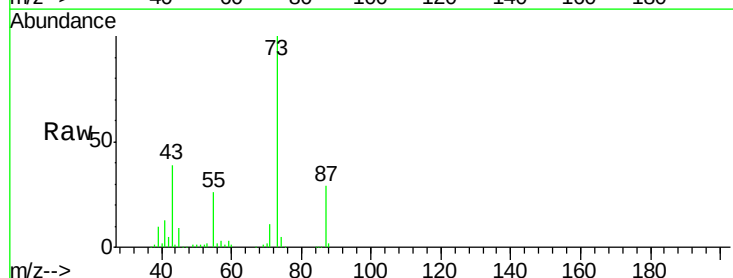
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



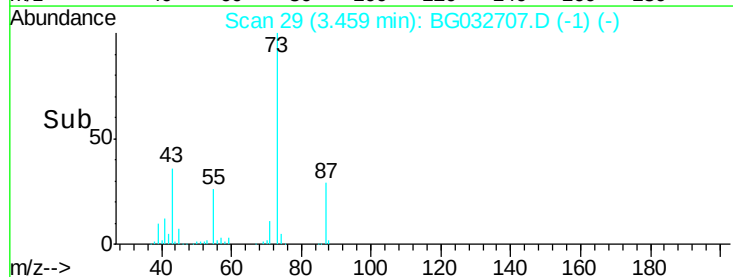
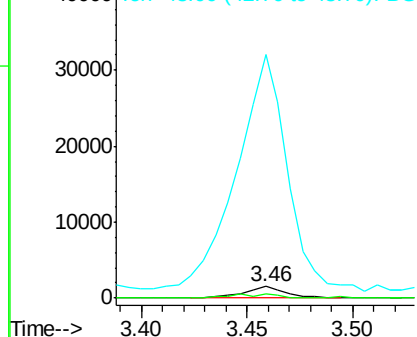
#2

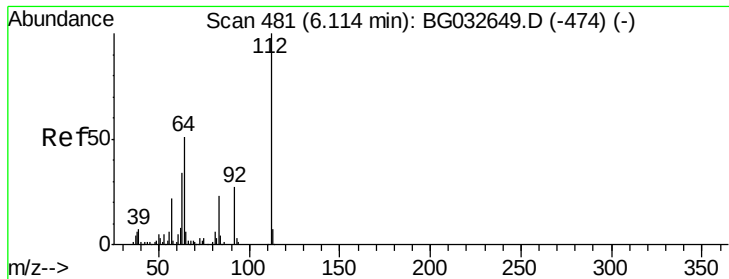
1,4-Dioxane
Concen: 3.955 ng
RT: 3.46 min Scan# 29
Delta R.T. -0.33 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Tgt Ion: 88 Resp: 2078
Ion Ratio Lower Upper
88 100
58 37.7 79.6 119.4#
43 2517.0 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: 146.829 ng

RT: 6.11 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Instrument :

BNA_G

ClientSampleId :

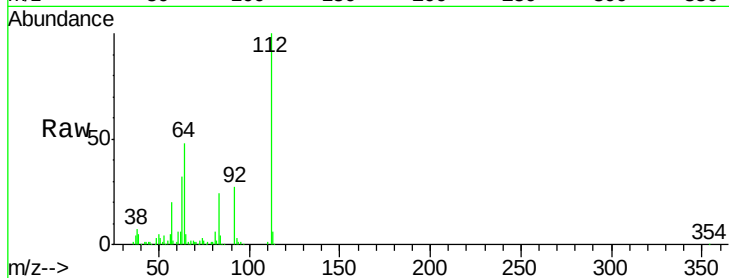
Tot Ion:112 Resp: 184434

Ion Ratio Lower Upper

112 100

64 48.3 56.3 84.5#

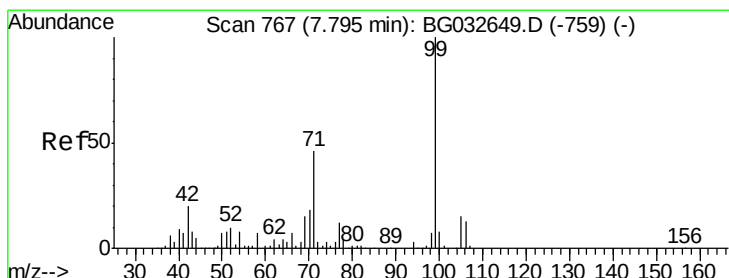
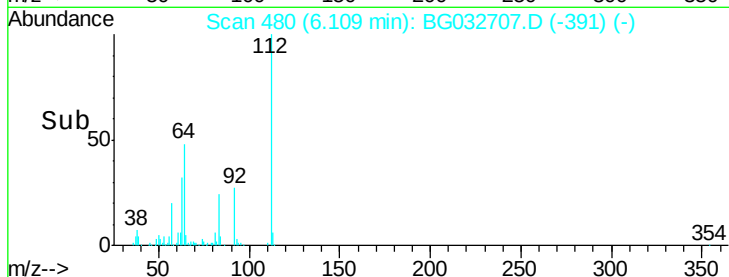
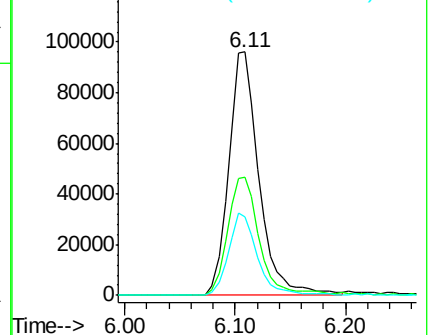
63 32.2 30.1 45.1



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: 112.441 ng

RT: 7.78 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

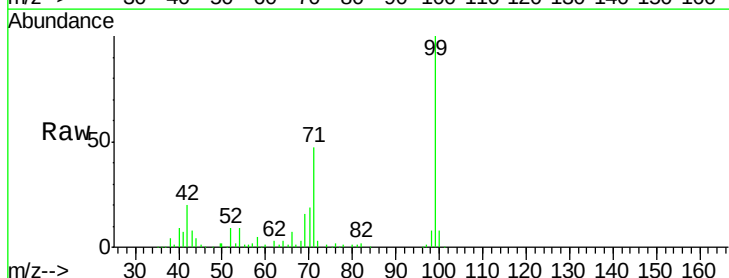
Tgt Ion: 99 Resp: 193129

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

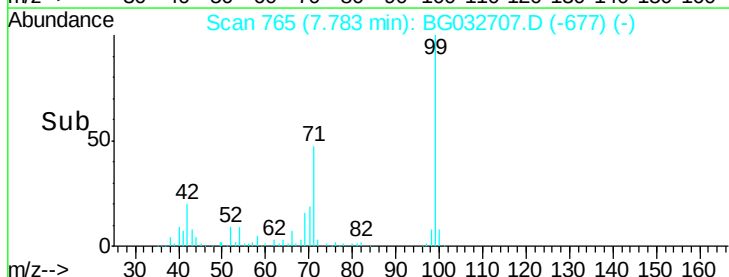
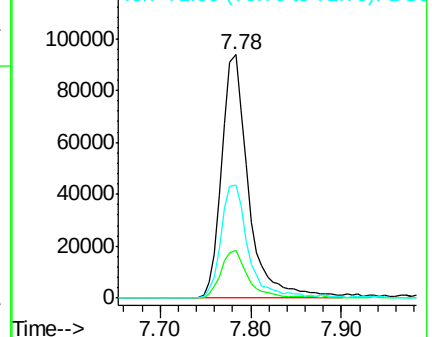
71 46.5 26.1 39.1#

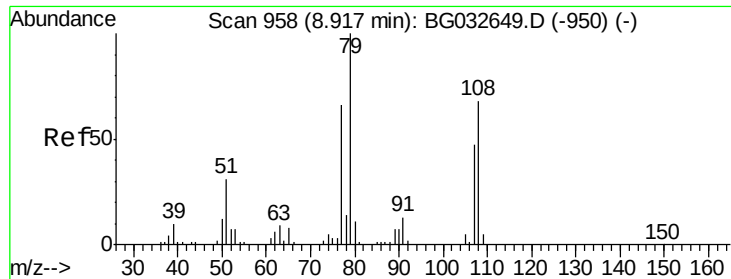


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.122 ng

RT: 8.99 min Scan# 971

Delta R.T. 0.08 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Instrument :

BNA_G

ClientSampleId :

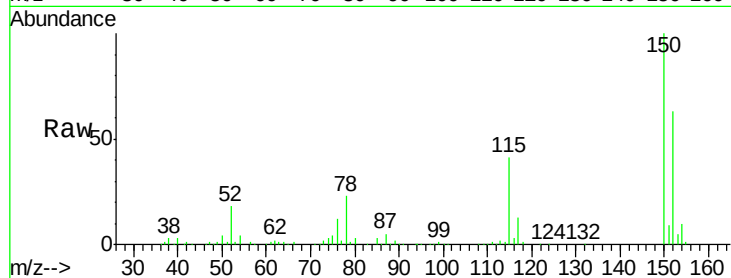
Tot Ion: 79 Resp: 2732

Ion Ratio Lower Upper

79 100

108 29.9 57.2 85.8#

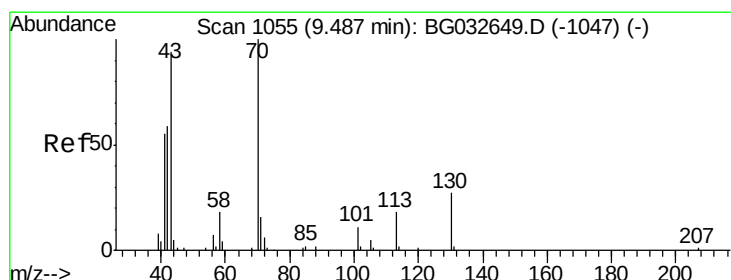
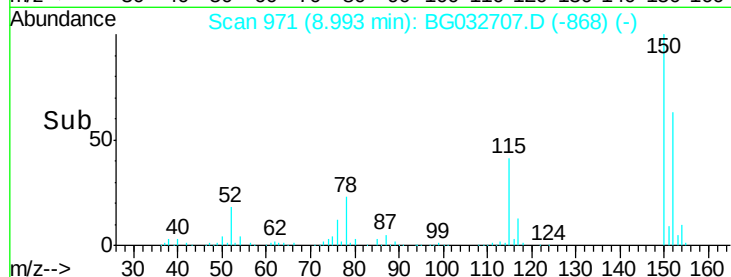
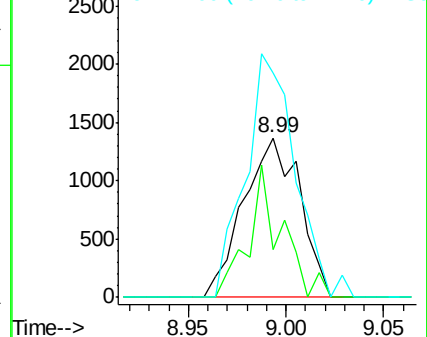
77 140.5 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 21.162 ng

RT: 9.86 min Scan# 1118

Delta R.T. 0.37 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Tgt Ion: 70 Resp: 24436

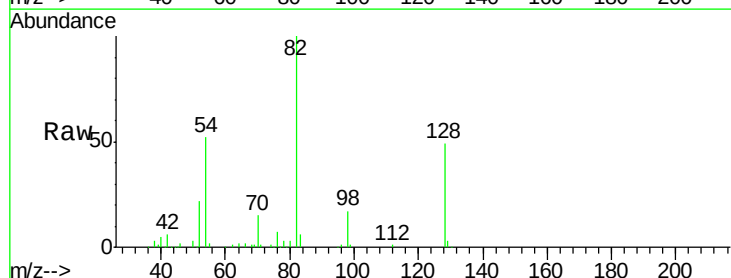
Ion Ratio Lower Upper

70 100

42 43.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

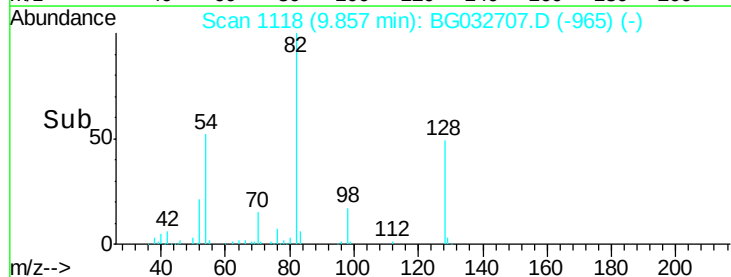
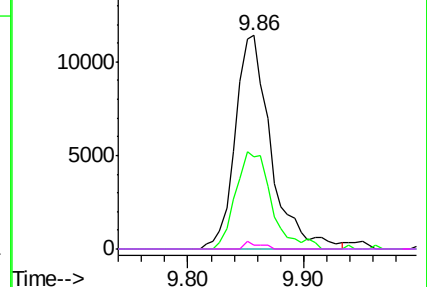


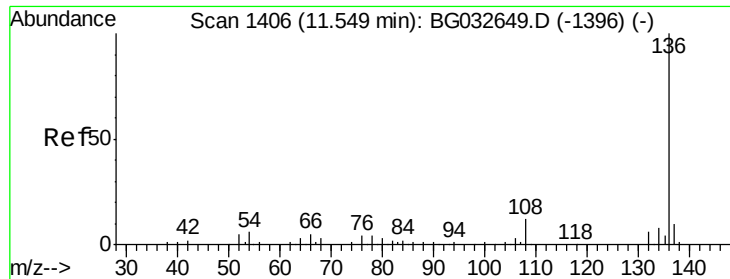
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

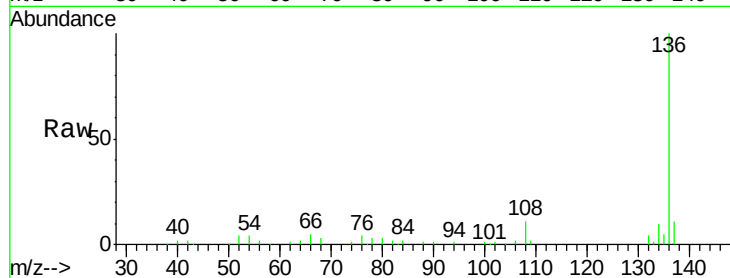




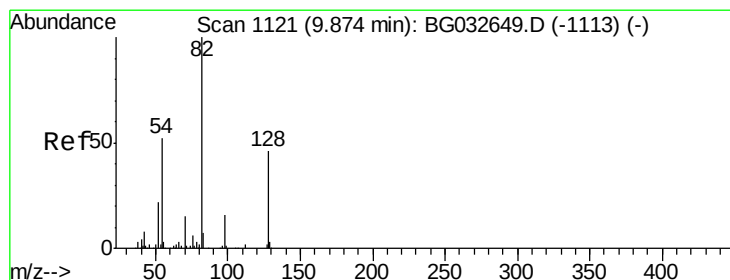
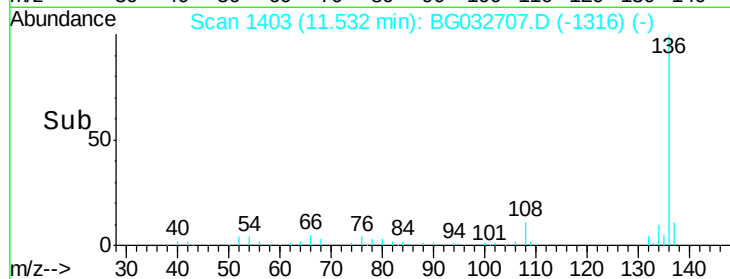
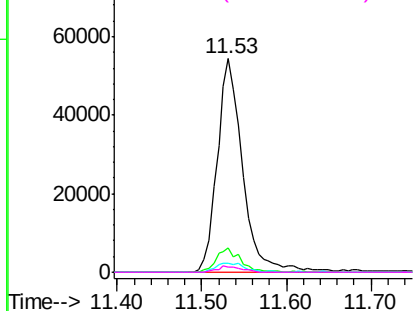
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	114418
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	4.2	10.3 15.5#
68	2.6	4.5 6.7#

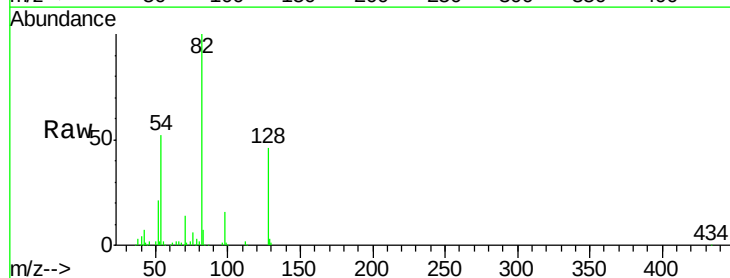


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

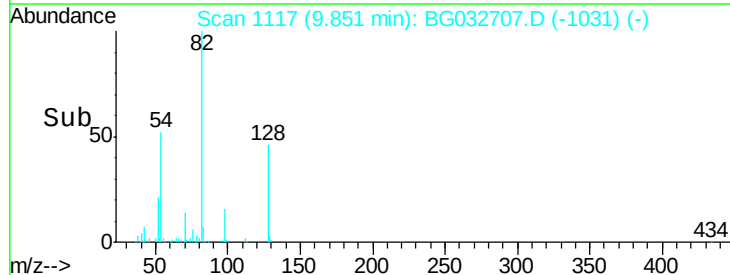
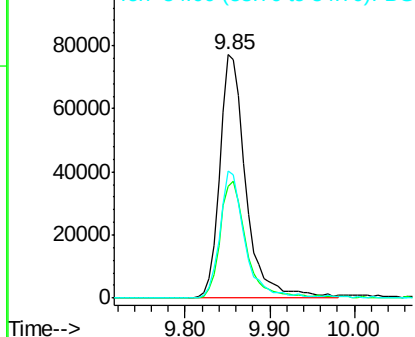


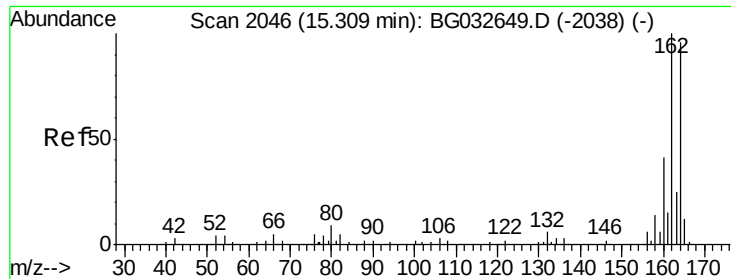
#23
Nitrobenzene-d5
Concen: 92.359 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Tgt Ion: 82	Resp:	166274
Ion Ratio	Lower	Upper
82	100	
128	46.1	29.7 44.5#
54	52.3	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Instrument :

BNA_G

ClientSampleId :

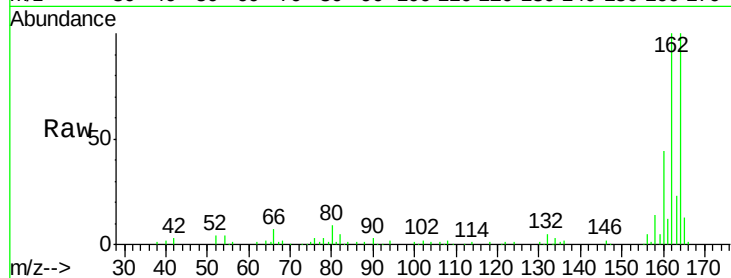
Tot Ion:164 Resp: 82082

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

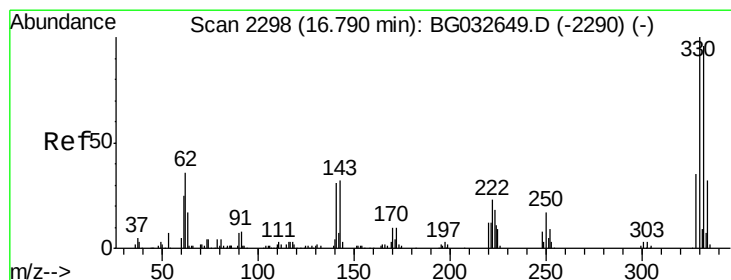
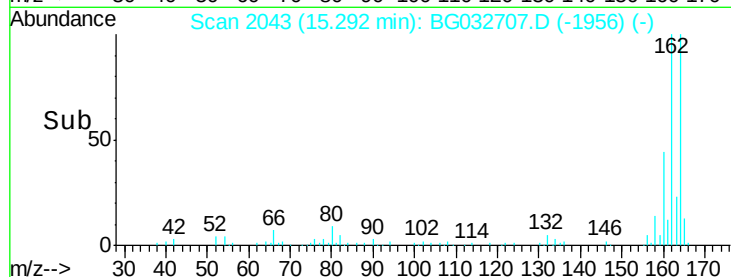
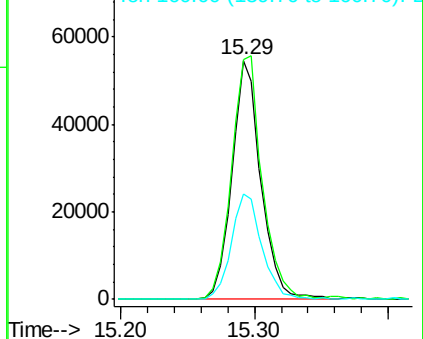
160 44.3 35.4 53.0



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: 181.661 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

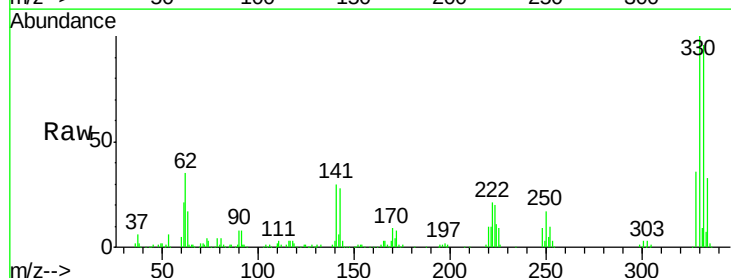
Tgt Ion:330 Resp: 229599

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

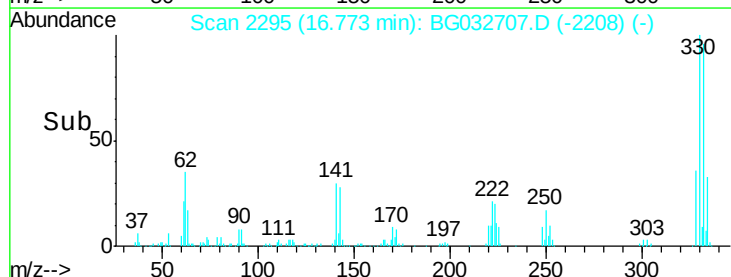
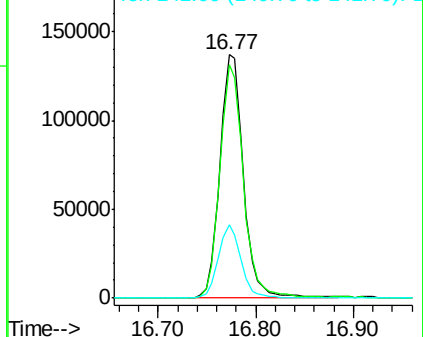
141 29.1 25.2 37.8

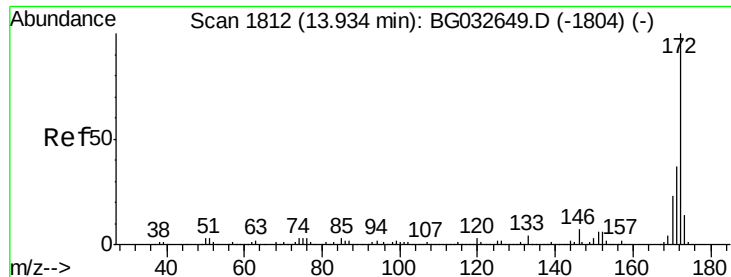


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

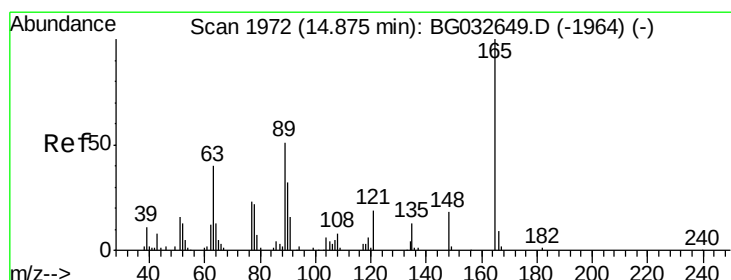
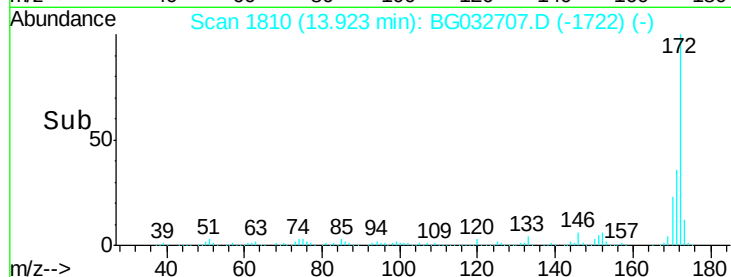
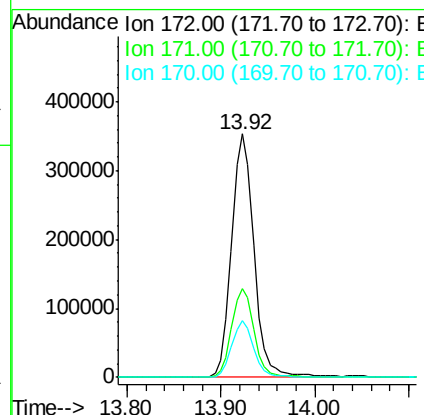
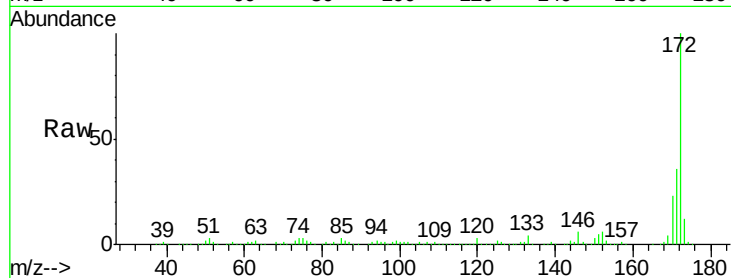




#44
 2-Fluorobiphenyl
 Concen: 89.363 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032707.D
 Acq: 15 Feb 2018 9:01

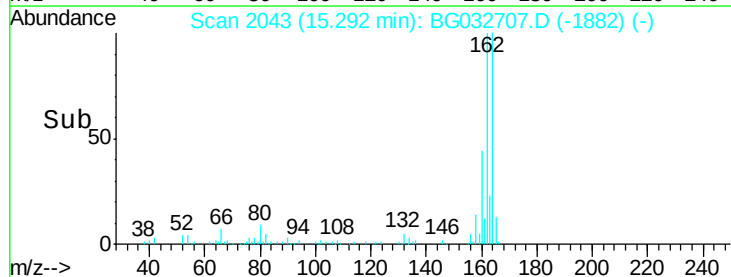
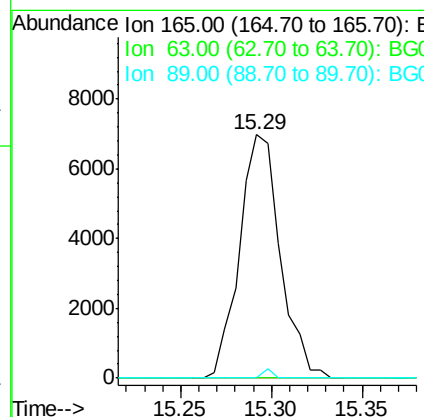
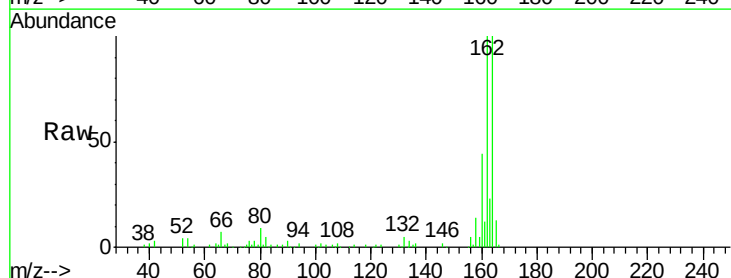
Instrument :
 BNA_G
 ClientSampleId :

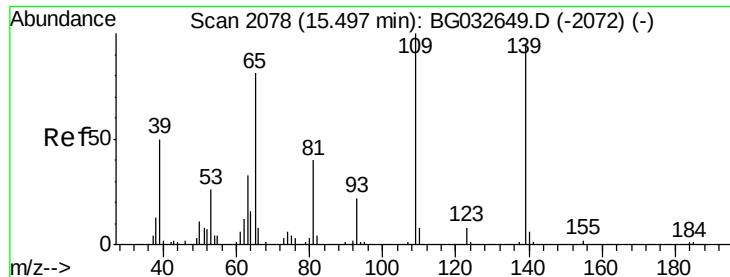
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.461 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. 0.42 min
 Lab File: BG032707.D
 Acq: 15 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





#55

4-Nitrophenol

Concen: 5.540 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.02 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

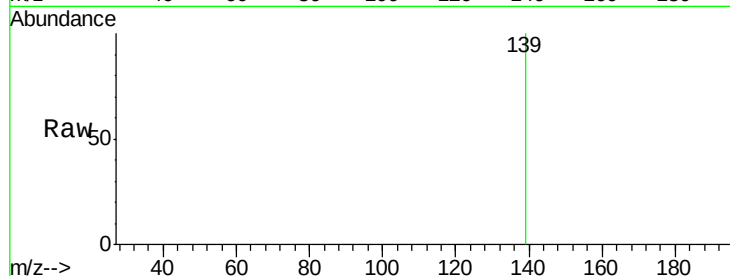
Instrument :

BNA_G

ClientSampleId :

Tot Ion:139 Resp: 56

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

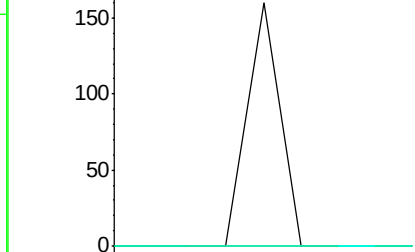


Abundance Ion 139.00 (138.70 to 139.70): E

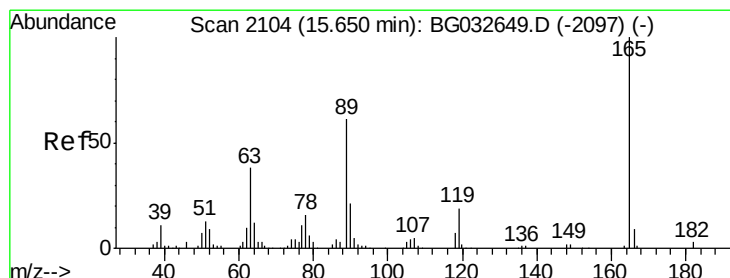
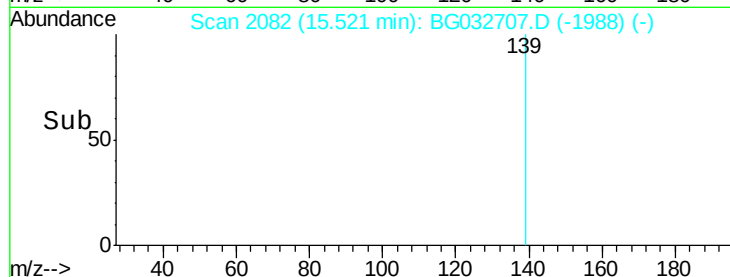
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.52



Time--> 15.50 15.52 15.54



#56

2,4-Dinitrotoluene

Concen: 5.415 ng

RT: 15.29 min Scan# 2043

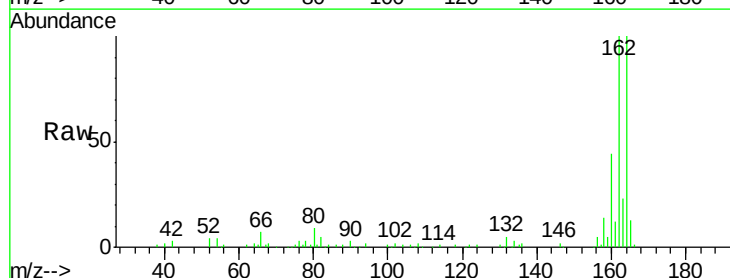
Delta R.T. -0.36 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Tgt Ion:165 Resp: 10902

Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



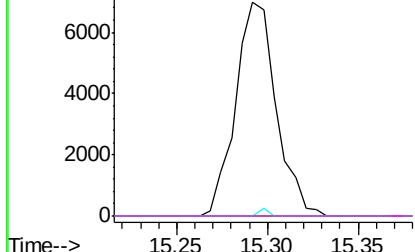
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

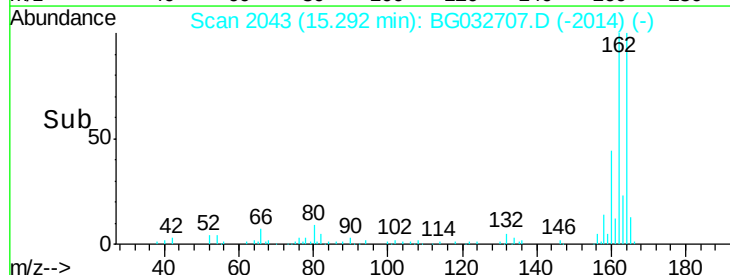
Ion 89.00 (88.70 to 89.70): BGC

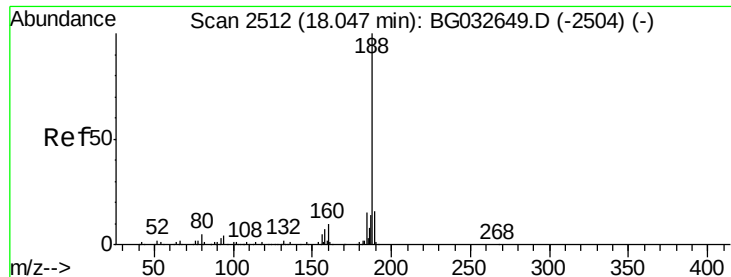
Ion 182.00 (181.70 to 182.70): E

15.29



Time--> 15.25 15.30 15.35





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.02 min Scan# 2508

Delta R.T. -0.02 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Instrument :

BNA_G

ClientSampled :

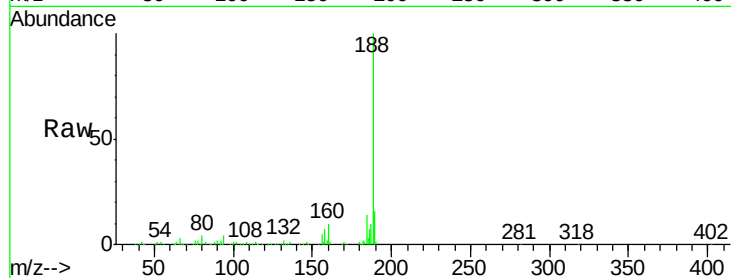
Tot Ion:188 Resp: 200211

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

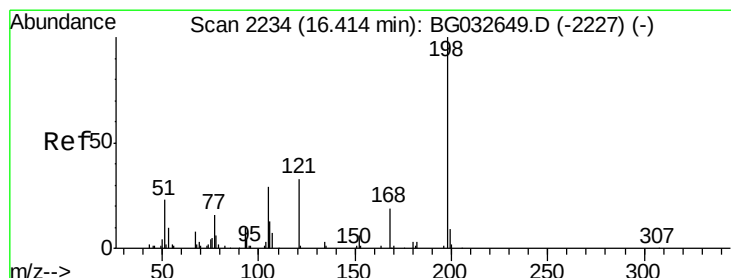
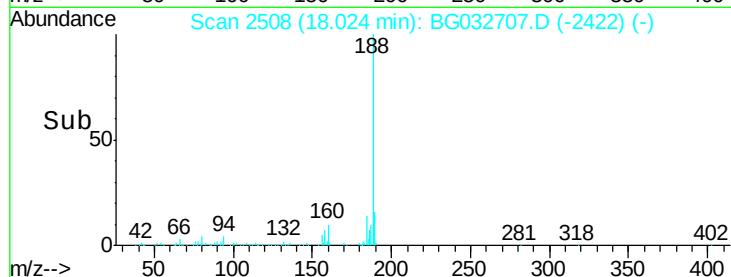
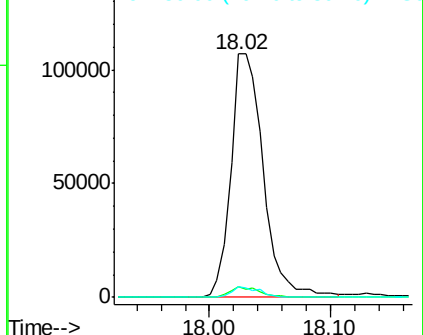
80 4.2 7.7 11.5#



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: 5.413 ng

RT: 16.78 min Scan# 2296

Delta R.T. 0.37 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

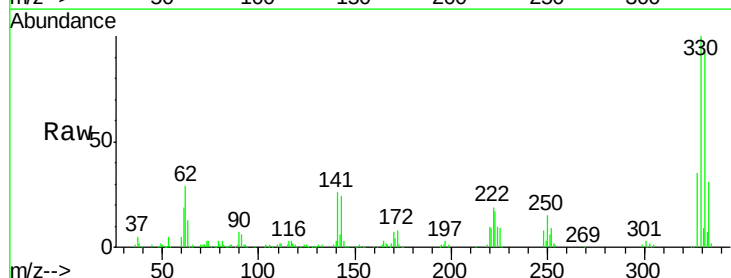
Tgt Ion:198 Resp: 634

Ion Ratio Lower Upper

198 100

51 85.3 30.6 70.6#

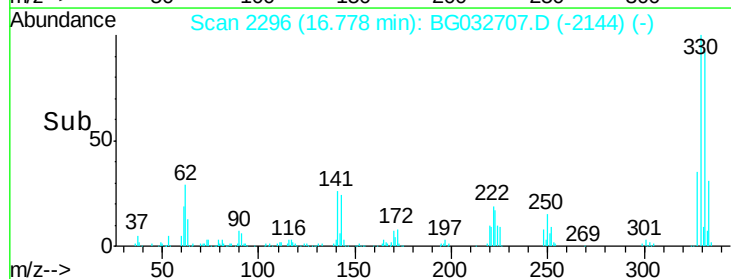
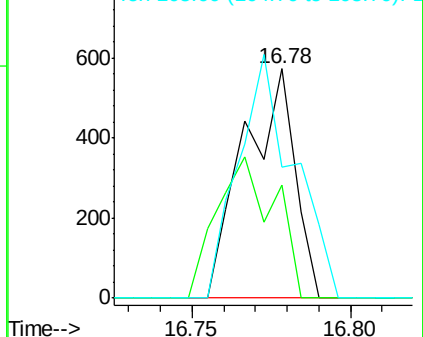
105 57.3 23.8 63.8

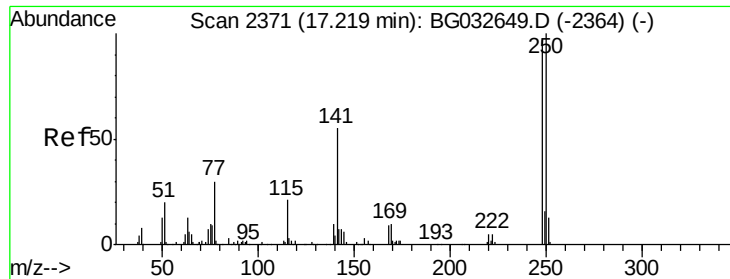


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

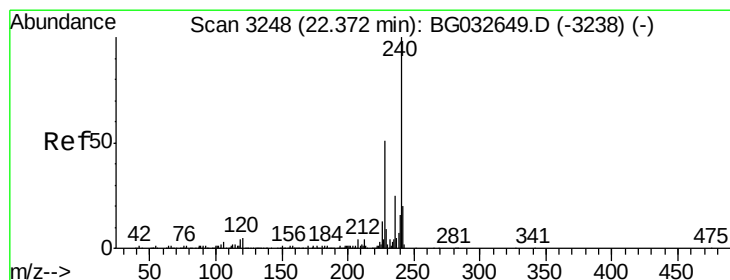
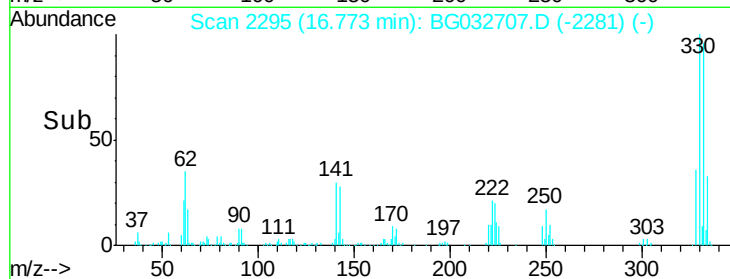
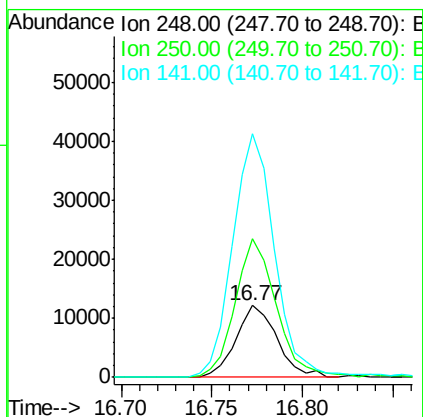
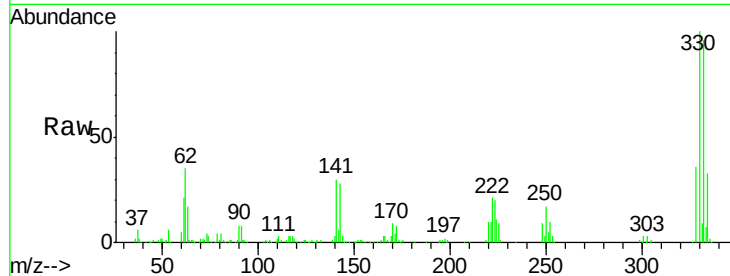




#66
4-Bromophenyl-phenylether
Concen: 6.746 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.45 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

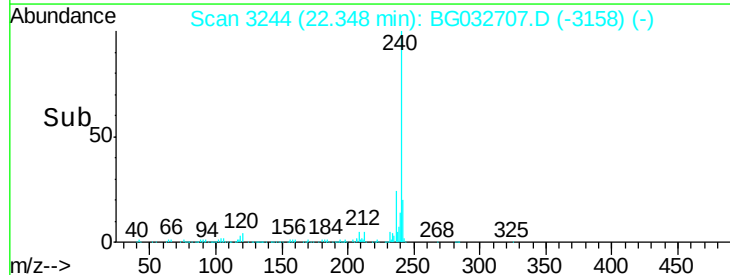
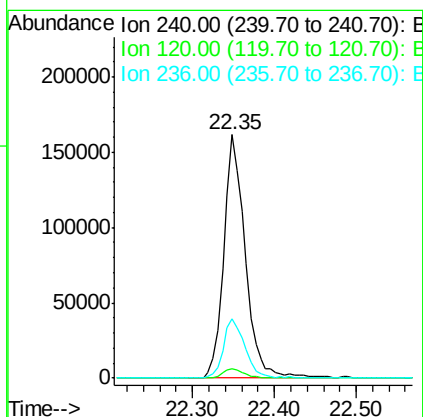
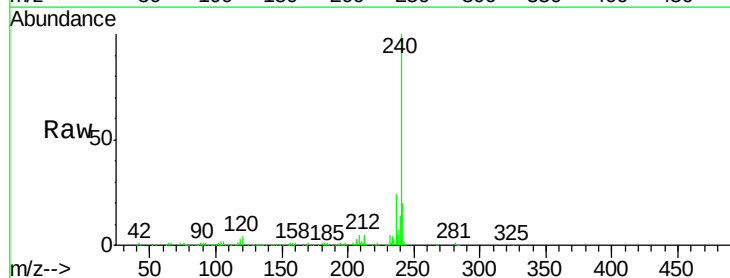
Instrument :
BNA_G
ClientSampled :

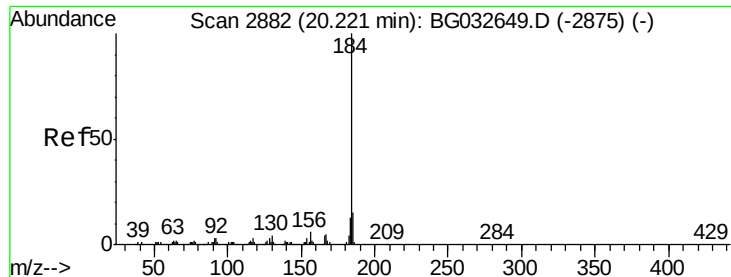
Tot Ion	Ratio	Lower	Upper
248	100		
250	194.1	77.1	115.7#
141	340.2	50.8	76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.35 min Scan# 3244
Delta R.T. -0.02 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.7	6.8	10.2#
236	24.2	20.9	31.3





#76

Benzidine

Concen: 2.510 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

Instrument :

BNA_G

ClientSampleId :

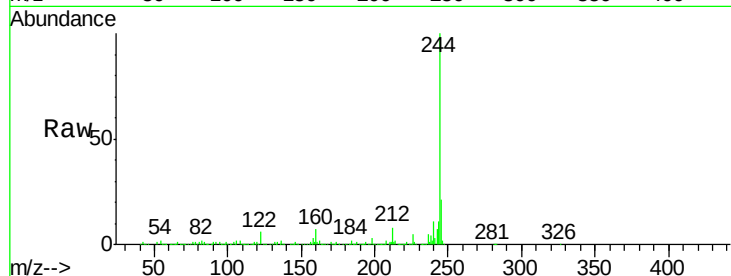
Tot Ion:184 Resp: 17452

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

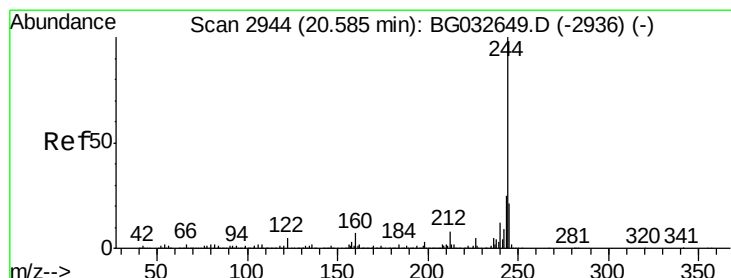
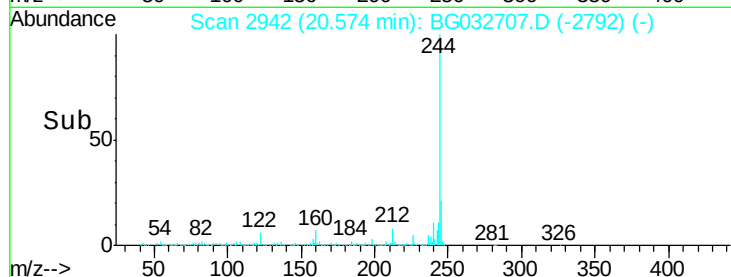
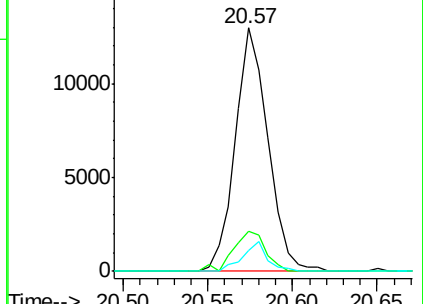
183 8.4 10.6 16.0#



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: 94.016 ng

RT: 20.58 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BG032707.D

Acq: 15 Feb 2018 9:01

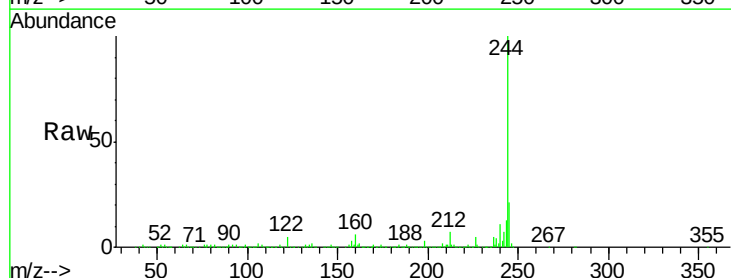
Tgt Ion:244 Resp: 1218011

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

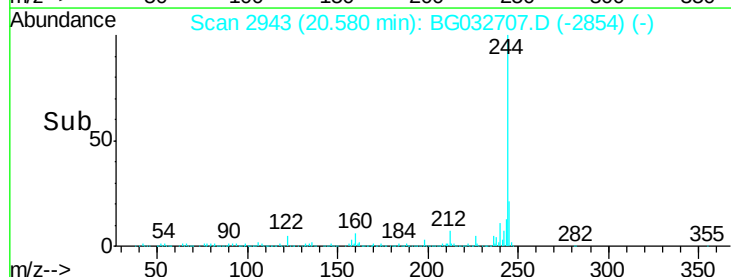
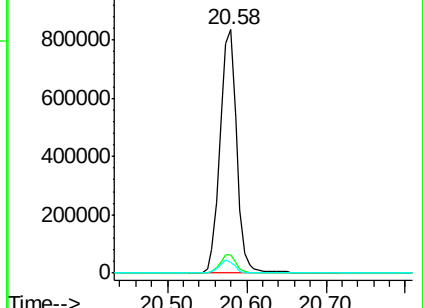
122 4.6 7.0 10.4#

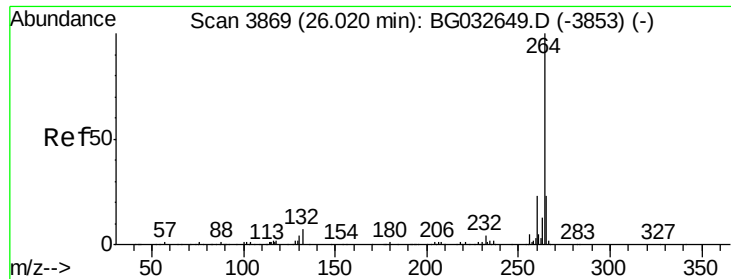


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.99 min Scan# 3863
Delta R.T. -0.04 min
Lab File: BG032707.D
Acq: 15 Feb 2018 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	19.3	17.7	26.5

