

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG021618\
 Data File : BG032740.D
 Acq On : 16 Feb 2018 16:28
 Operator : SJ/JU
 Sample : J1575-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-A

Quant Time: Feb 16 18:24:30 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	8.63	152	19196	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	75010	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	54617	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	149133	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	205049	20.00	ng	-0.05
86) Perylene-d12	25.94	264	230228	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.07	112	143443	149.93	ng	-0.04
7) Phenol-d6	7.75	99	149900	114.58	ng	-0.05
23) Nitrobenzene-d5	9.82	82	119314	101.09	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	185796	220.93	ng	-0.04
44) 2-Fluorobiphenyl	13.89	172	451017	103.27	ng	-0.04
78) Terphenyl-d14	20.56	244	1045409	116.20	ng	-0.03

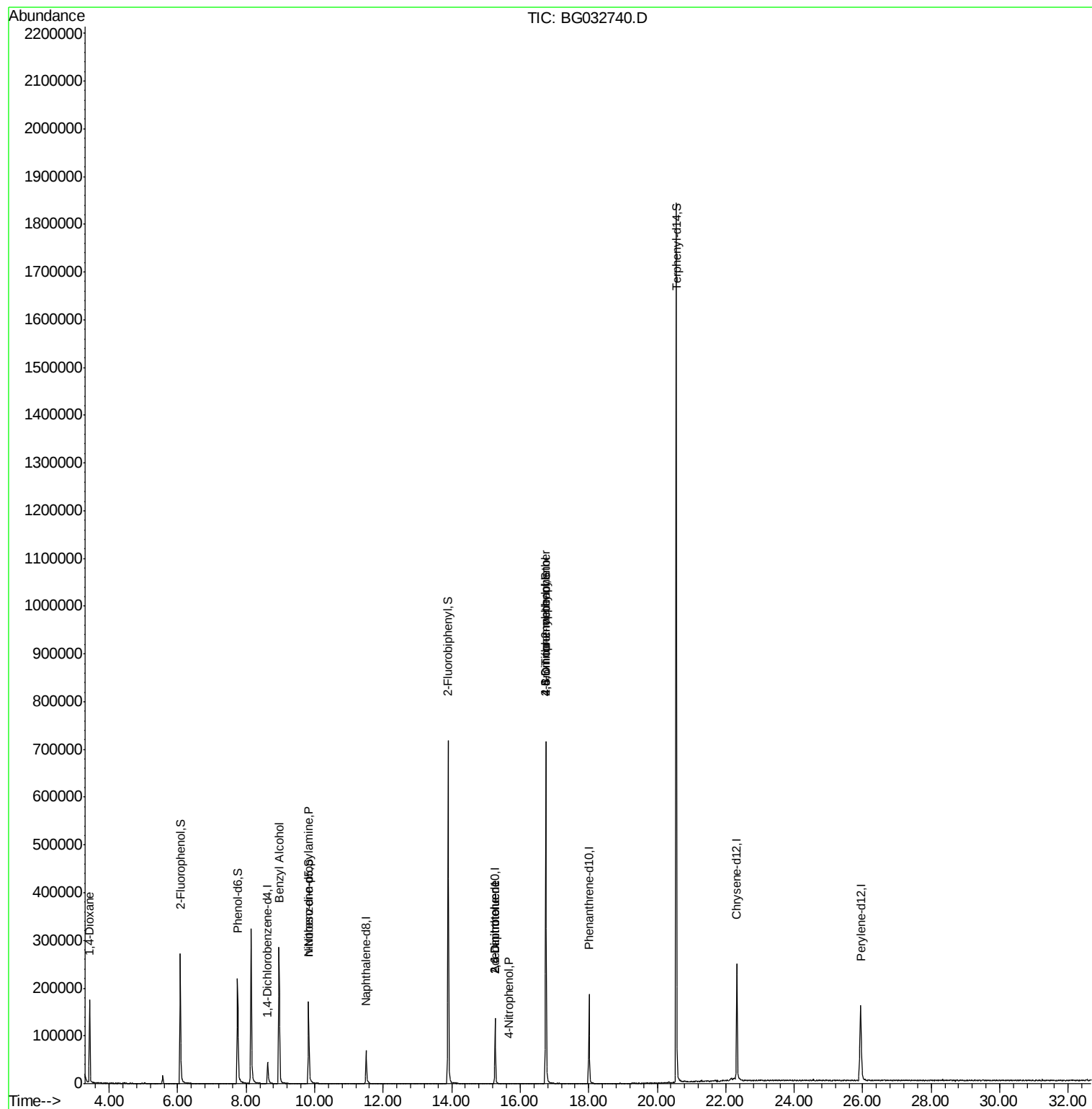
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	2246	5.612	ng	# 1
15) Benzyl Alcohol	8.96	79	2542	2.592	ng	# 58
19) n-Nitroso-di-n-propylamine	9.82	70	16921	19.239	ng	# 77
50) 2,6-Dinitrotoluene	15.26	165	6543	6.729	ng	# 18
55) 4-Nitrophenol	15.67	139	116	5.655	ng	# 1
56) 2,4-Dinitrotoluene	15.26	165	6543	4.884	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.75	198	295	5.267	ng	# 1
66) 4-Bromophenyl-phenylether	16.75	248	13579	6.362	ng	# 1

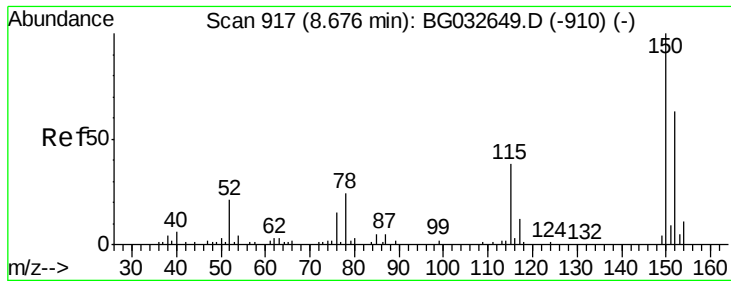
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.05 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

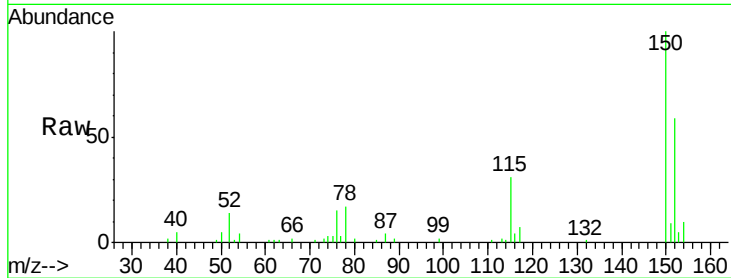
Tgt Ion:152 Resp: 19196

Ion Ratio Lower Upper

152 100

150 168.2 126.6 189.8

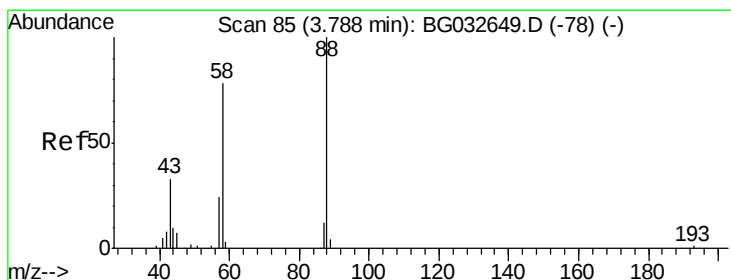
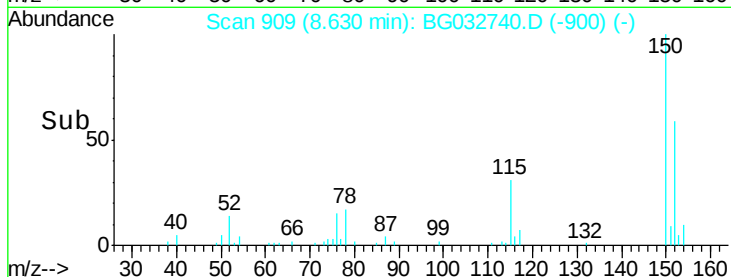
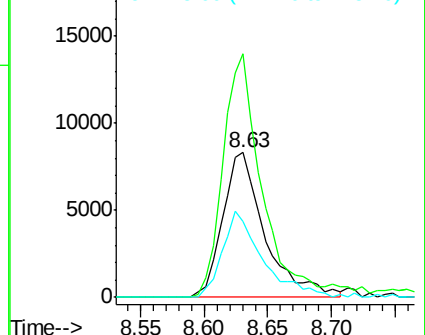
115 52.1 53.0 79.4#



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: 5.612 ng

RT: 3.43 min Scan# 24

Delta R.T. -0.36 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

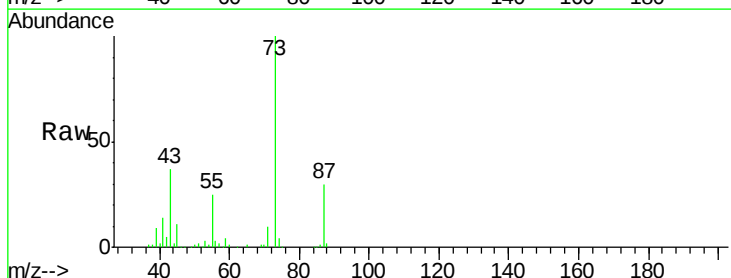
Tgt Ion: 88 Resp: 2246

Ion Ratio Lower Upper

88 100

58 29.4 79.6 119.4#

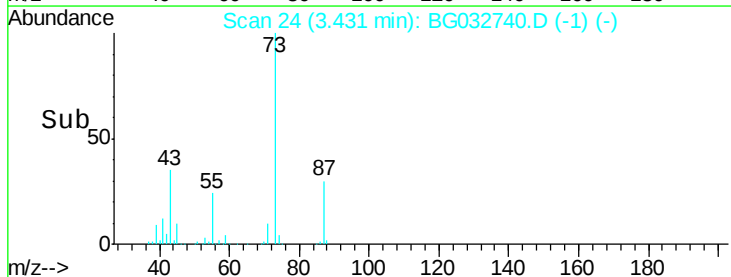
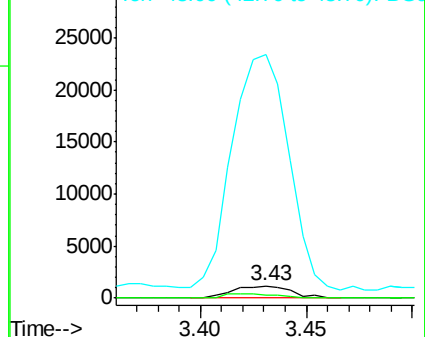
43 1888.6 27.4 41.0#

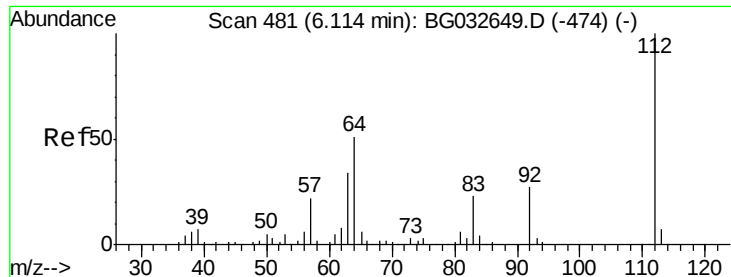


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 149.925 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

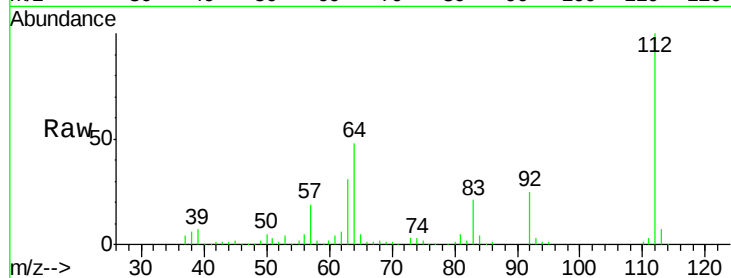
Tgt Ion: 112 Resp: 143443

Ion Ratio Lower Upper

112 100

64 48.3 56.3 84.5#

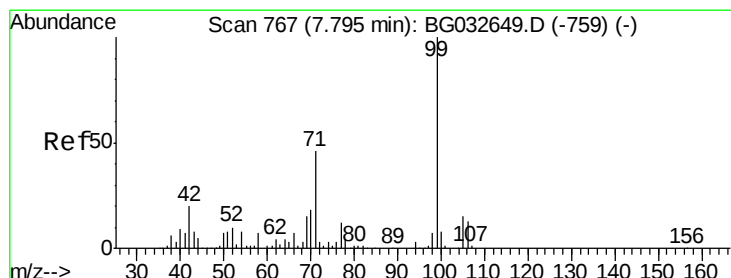
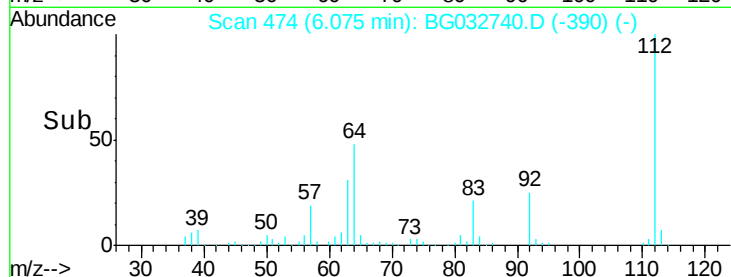
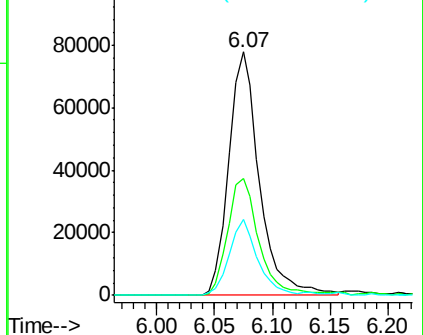
63 31.1 30.1 45.1



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: 114.579 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.05 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

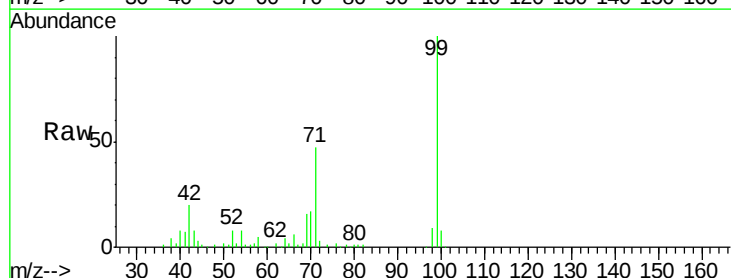
Tgt Ion: 99 Resp: 149900

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

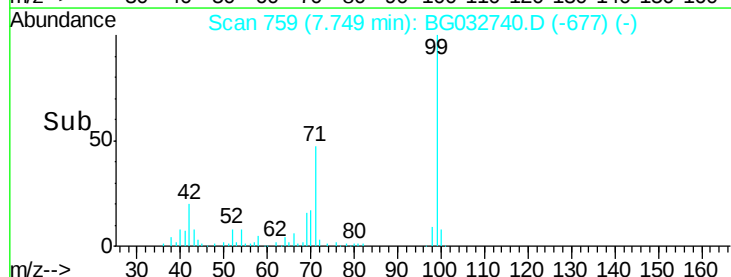
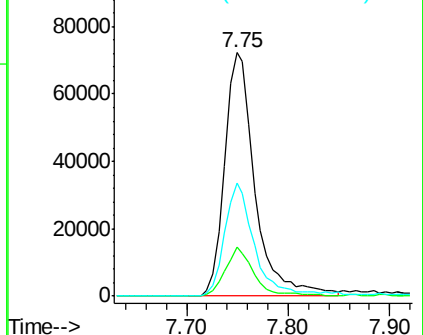
71 46.5 26.1 39.1#

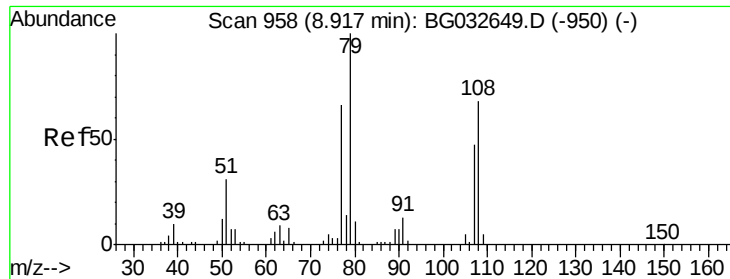


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.592 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.04 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

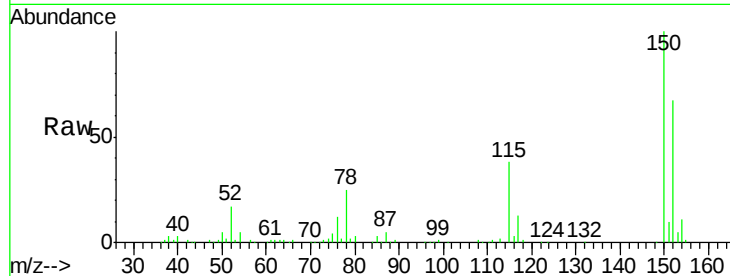
Tgt Ion: 79 Resp: 2542

Ion Ratio Lower Upper

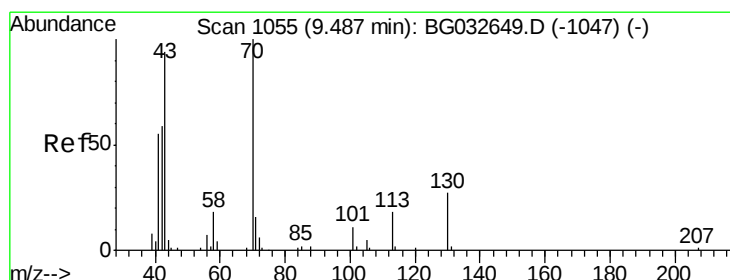
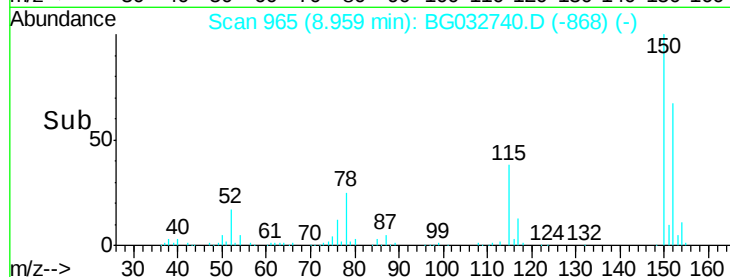
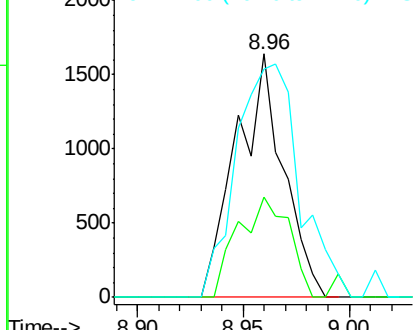
79 100

108 41.2 57.2 85.8#

77 93.7 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: 19.239 ng

RT: 9.82 min Scan# 1112

Delta R.T. 0.34 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Tgt Ion: 70 Resp: 16921

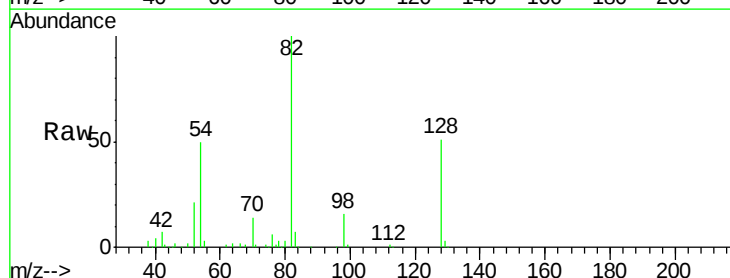
Ion Ratio Lower Upper

70 100

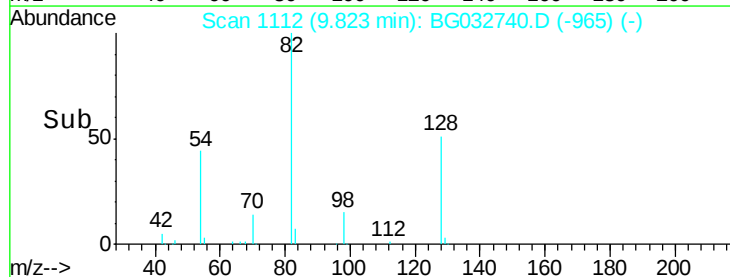
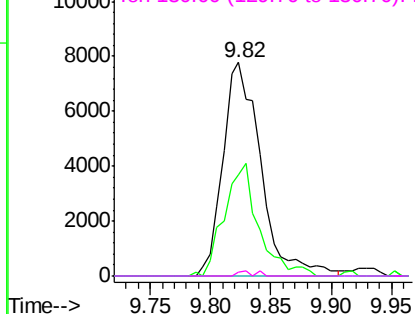
42 47.3 49.1 73.7#

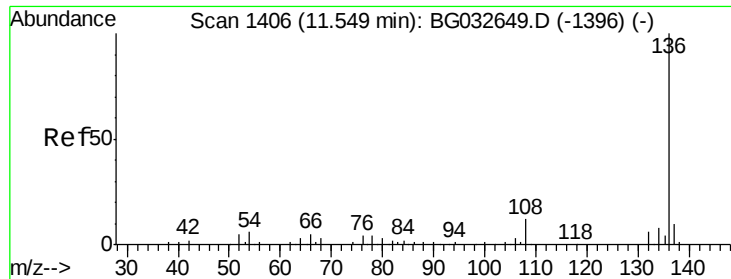
101 0.0 8.5 12.7#

130 2.0 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

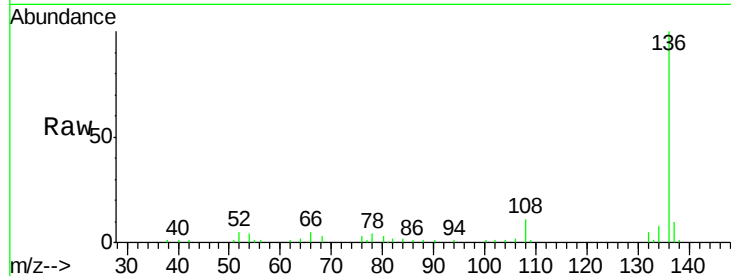




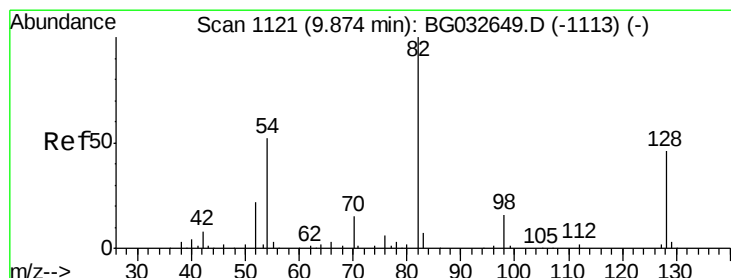
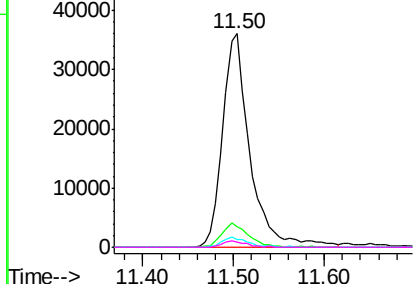
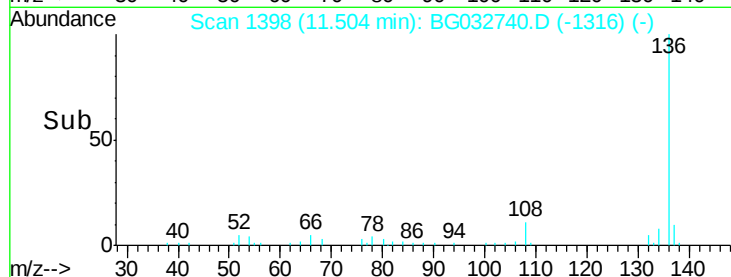
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

Instrument :
BNA_G
ClientSampleId :
SAMPLE-A

Tgt Ion:136 Resp: 75010
Ion Ratio Lower Upper
136 100
137 9.7 9.2 13.8
54 3.9 10.3 15.5#
68 2.6 4.5 6.7#

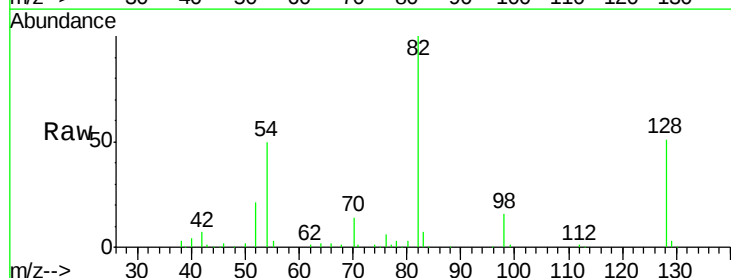


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

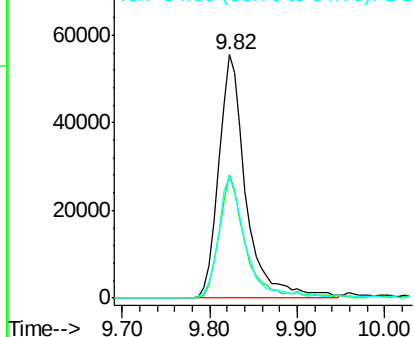
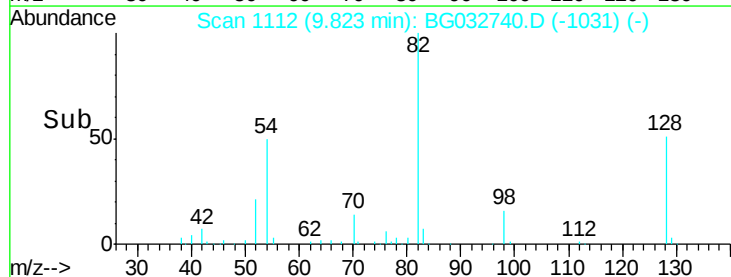


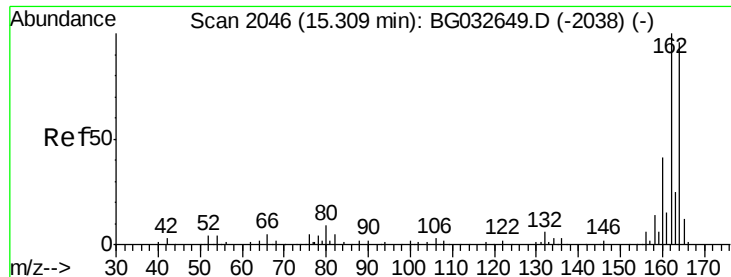
#23
Nitrobenzene-d5
Concen: 101.093 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

Tgt Ion: 82 Resp: 119314
Ion Ratio Lower Upper
82 100
128 50.7 29.7 44.5#
54 49.9 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: 15.27 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

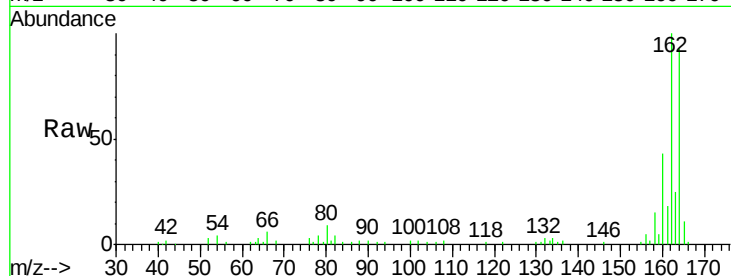
Tgt Ion:164 Resp: 54617

Ion Ratio Lower Upper

164 100

162 107.6 78.8 118.2

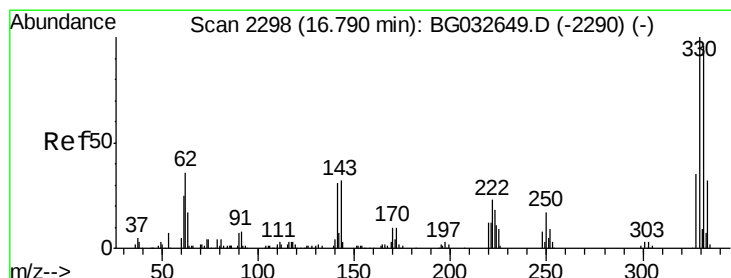
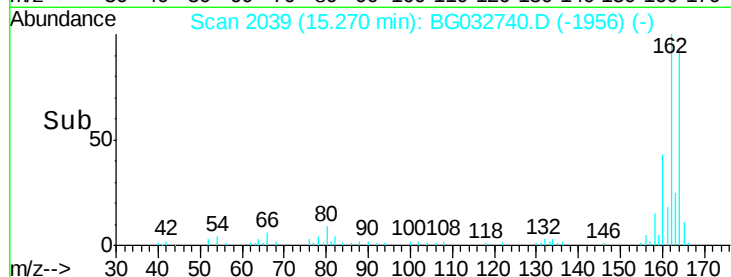
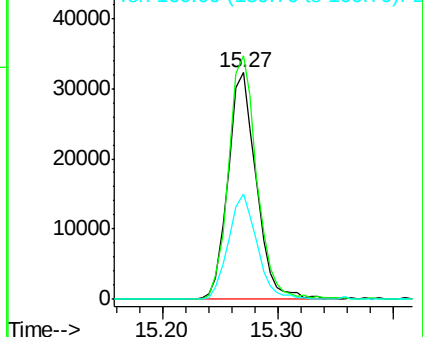
160 46.7 35.4 53.0



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: 220.926 ng

RT: 16.75 min Scan# 2291

Delta R.T. -0.04 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

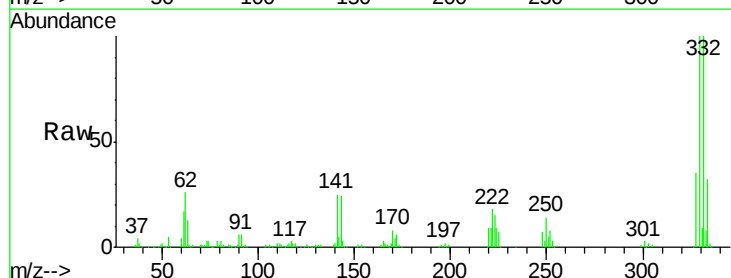
Tgt Ion:330 Resp: 185796

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

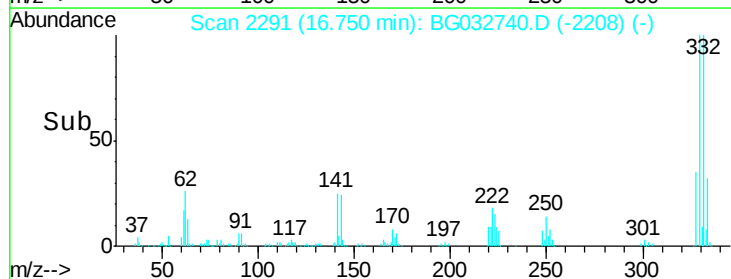
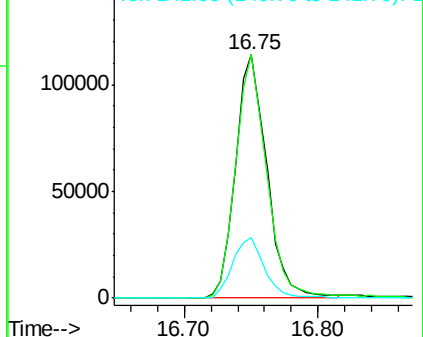
141 25.5 25.2 37.8

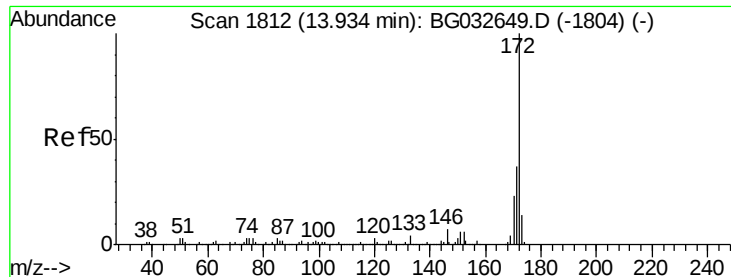


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

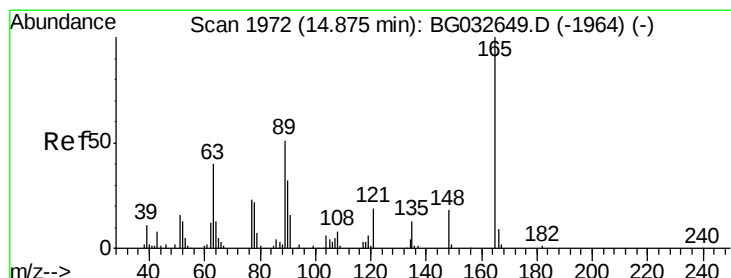
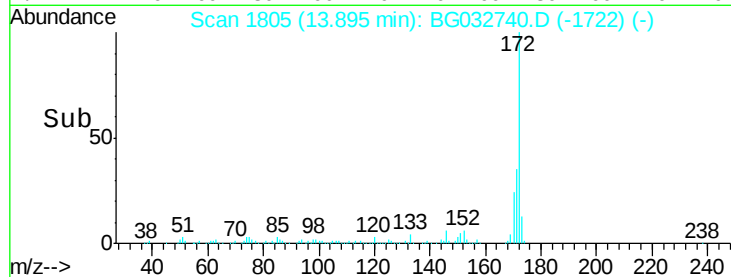
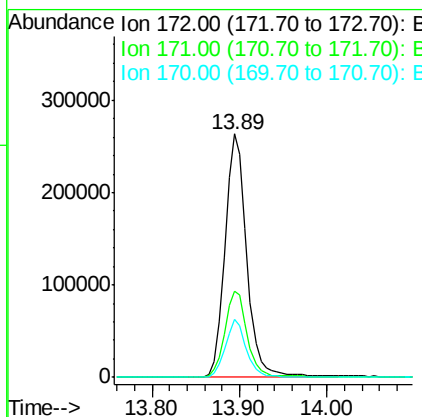
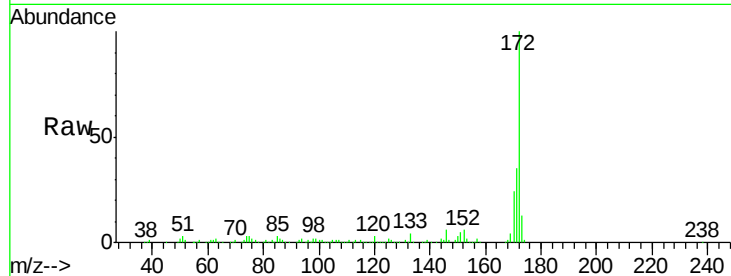




#44
2-Fluorobiphenyl
Concen: 103.266 ng
RT: 13.89 min Scan# 1805
Delta R.T. -0.04 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

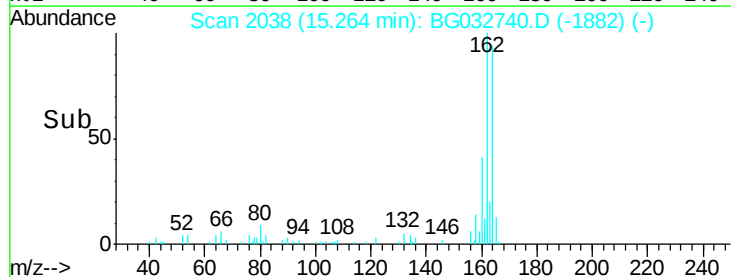
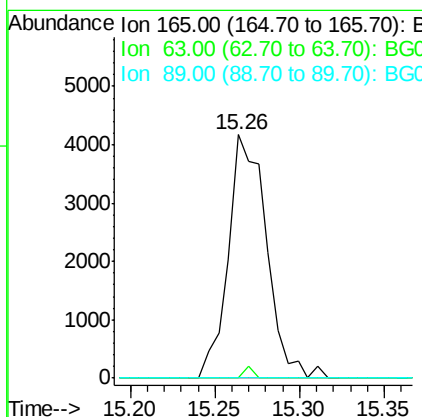
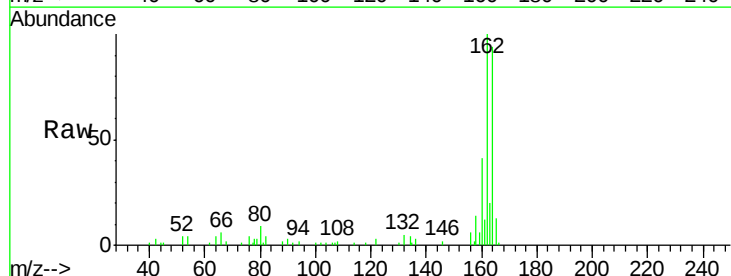
Instrument :
BNA_G
ClientSampleId :
SAMPLE-A

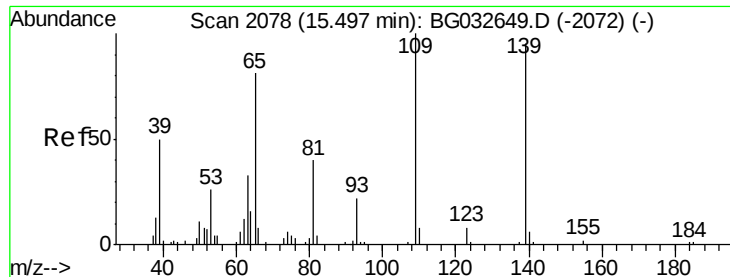
Tgt Ion:172 Resp: 451017
Ion Ratio Lower Upper
172 100
171 35.2 30.0 45.0
170 23.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.729 ng
RT: 15.26 min Scan# 2038
Delta R.T. 0.39 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

Tgt Ion:165 Resp: 6543
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 5.655 ng

RT: 15.67 min Scan# 2107

Delta R.T. 0.17 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

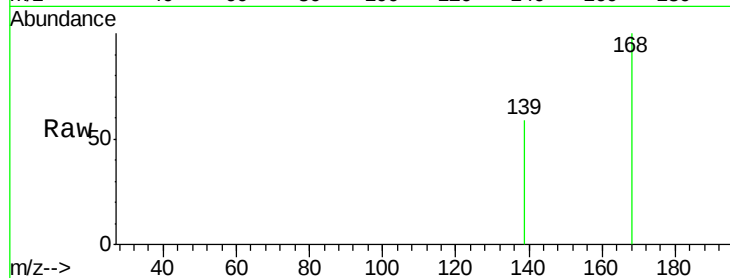
Tgt Ion:139 Resp: 116

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

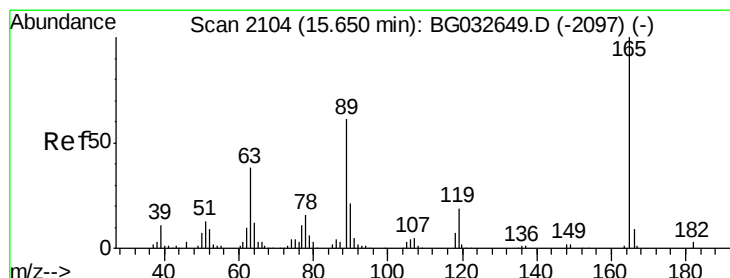
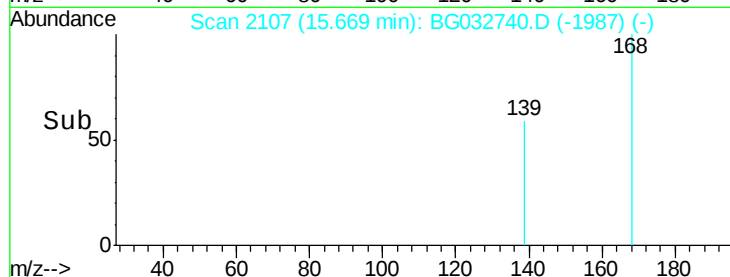
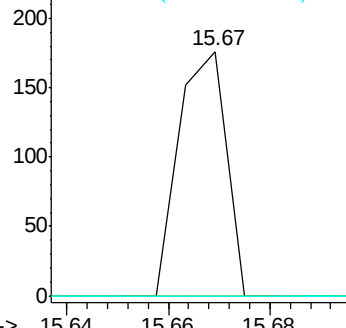
65 0.0 97.2 137.2#



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: 4.884 ng

RT: 15.26 min Scan# 2038

Delta R.T. -0.39 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Tgt Ion:165 Resp: 6543

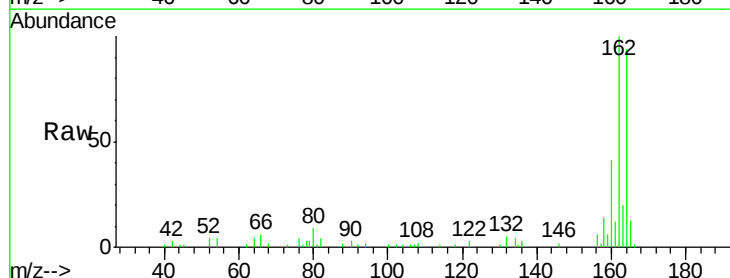
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

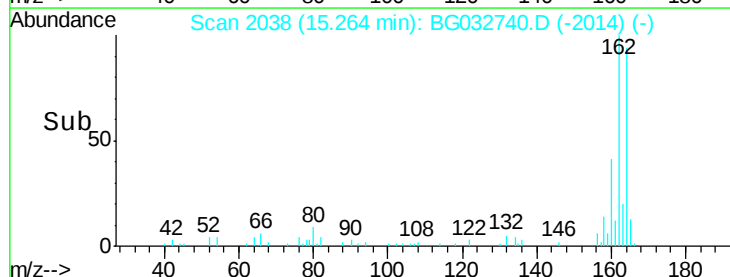
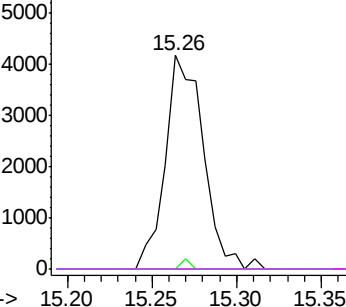


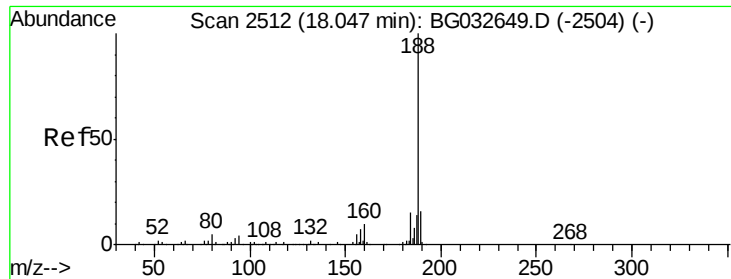
Abundance Ion 165.00 (164.70 to 165.70): E

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

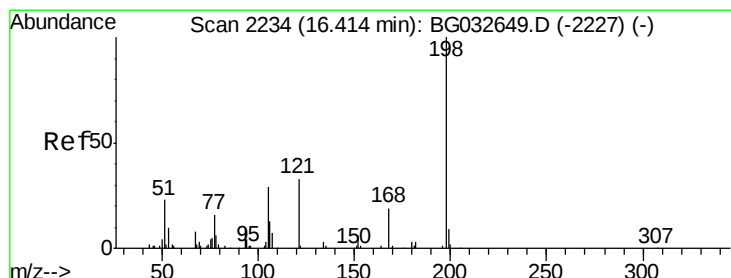
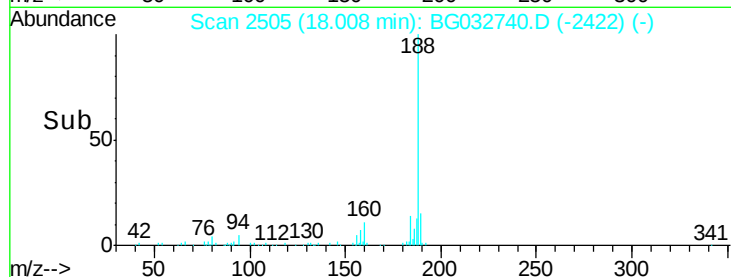
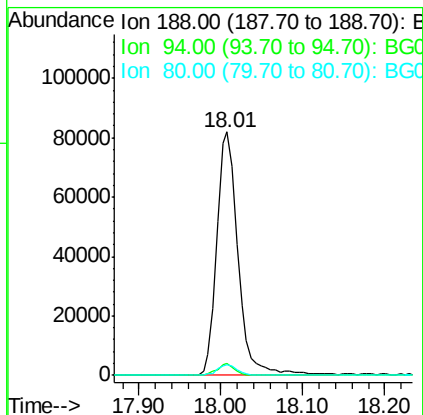
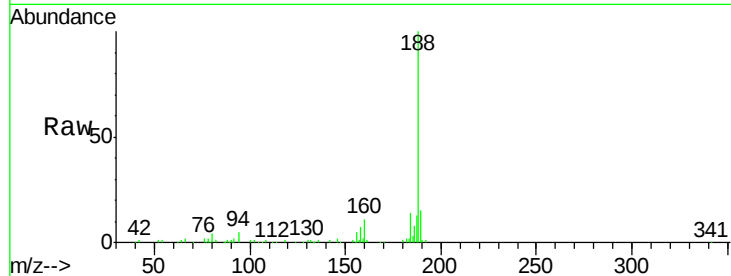




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.01 min Scan# 2505
Delta R.T. -0.04 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

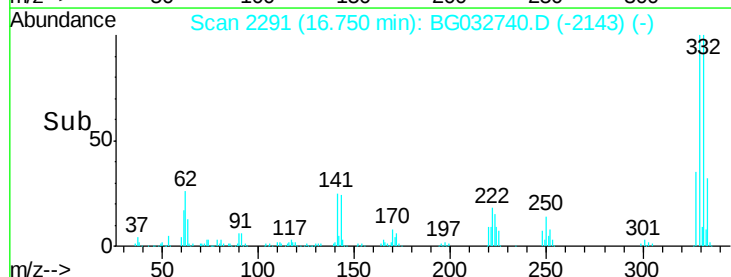
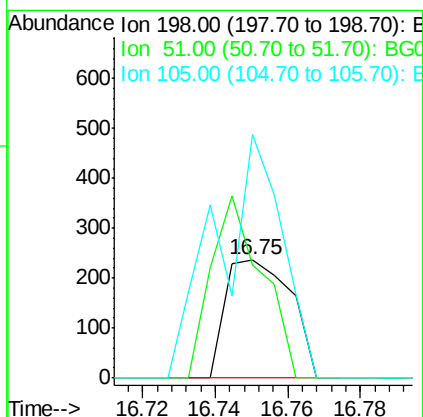
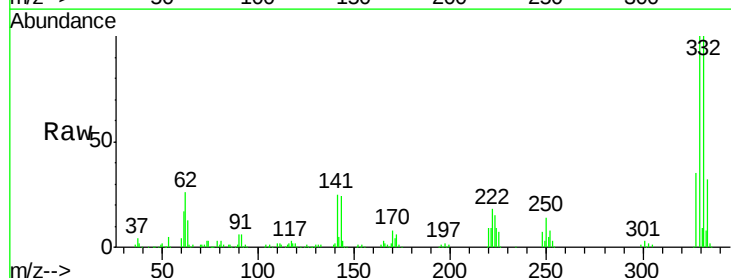
Instrument :
BNA_G
ClientSampleId :
SAMPLE-A

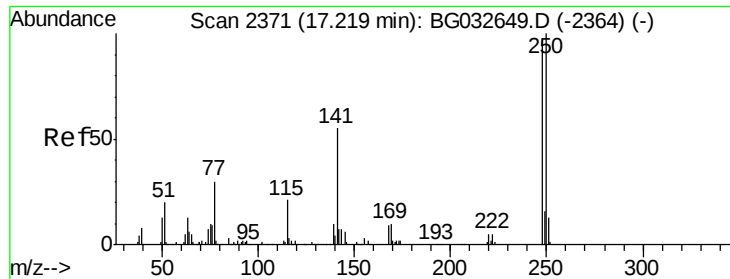
Tgt Ion:188 Resp: 149133
Ion Ratio Lower Upper
188 100
94 4.8 6.9 10.3#
80 4.2 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.267 ng
RT: 16.75 min Scan# 2291
Delta R.T. 0.34 min
Lab File: BG032740.D
Acq: 16 Feb 2018 16:28

Tgt Ion:198 Resp: 295
Ion Ratio Lower Upper
198 100
51 95.4 30.6 70.6#
105 205.9 23.8 63.8#

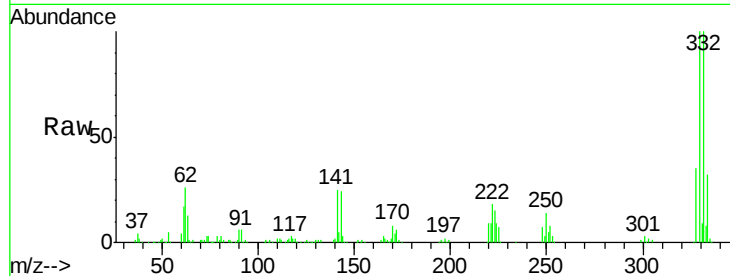




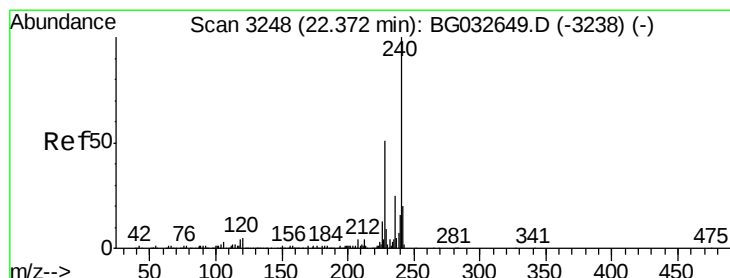
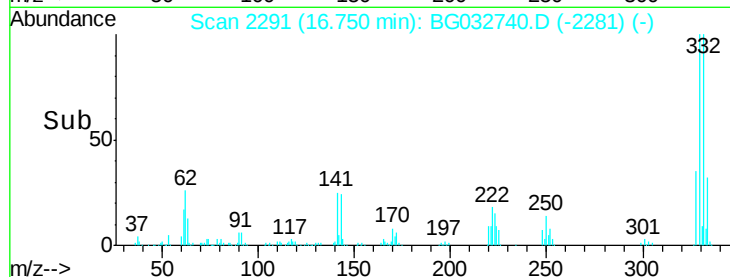
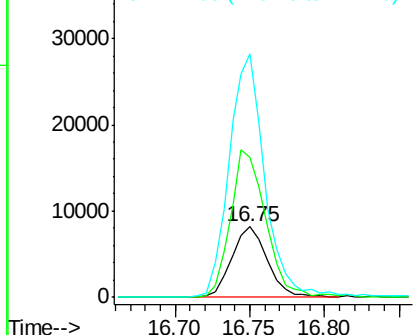
#66
 4-Bromophenyl-phenylether
 Concen: 6.362 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032740.D
 Acq: 16 Feb 2018 16:28

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-A

Tgt Ion:248 Resp: 13579
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.1 115.7#
 141 344.0 50.8 76.2#

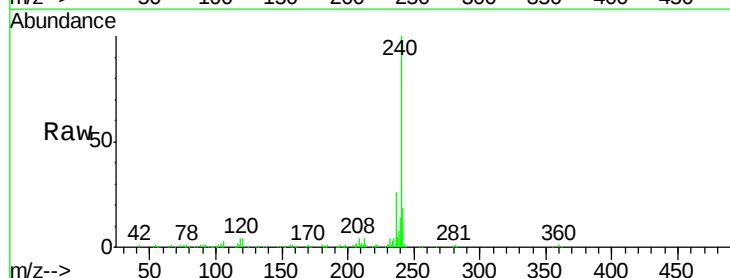


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

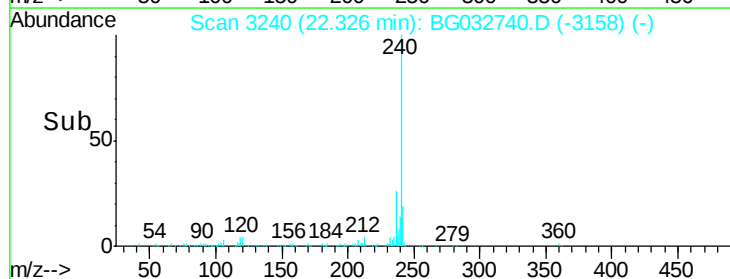
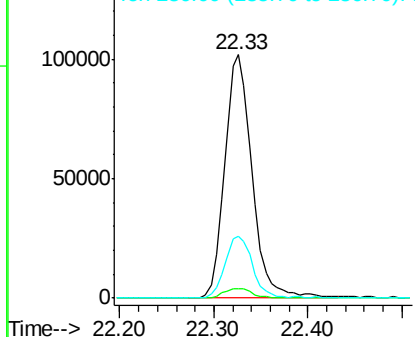


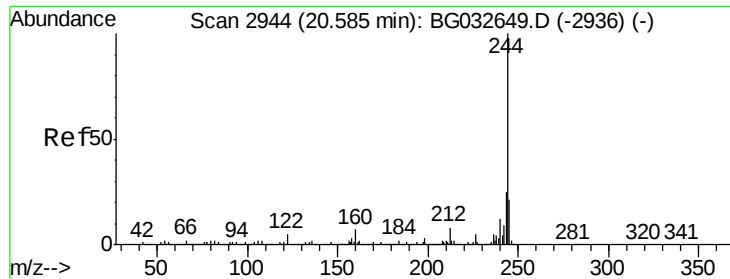
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.33 min Scan# 3240
 Delta R.T. -0.05 min
 Lab File: BG032740.D
 Acq: 16 Feb 2018 16:28

Tgt Ion:240 Resp: 205049
 Ion Ratio Lower Upper
 240 100
 120 4.0 6.8 10.2#
 236 25.5 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: 116.202 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-A

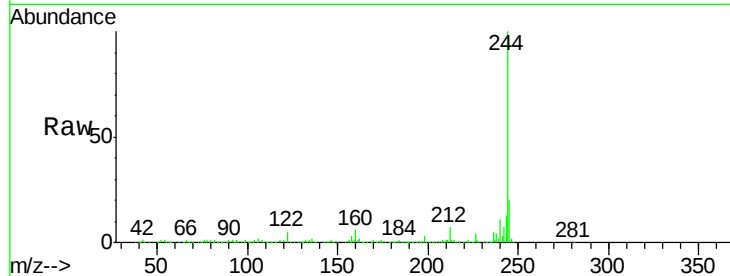
Tgt Ion:244 Resp: 1045409

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

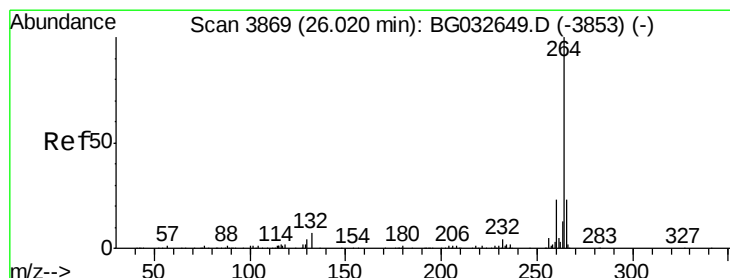
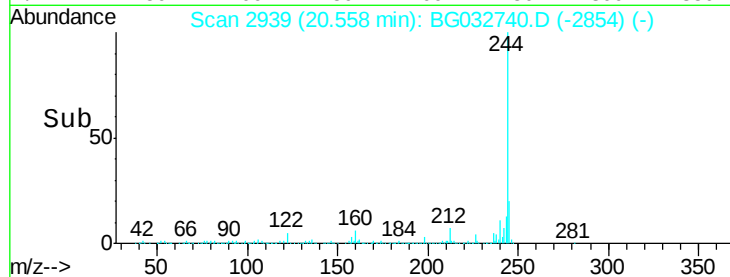
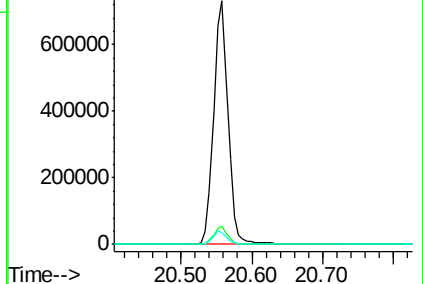
122 5.1 7.0 10.4#



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: 20.000 ng

RT: 25.94 min Scan# 3855

Delta R.T. -0.08 min

Lab File: BG032740.D

Acq: 16 Feb 2018 16:28

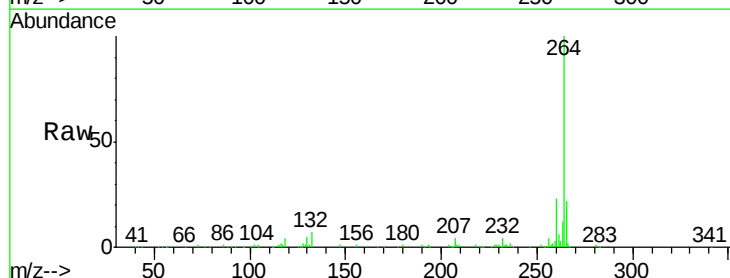
Tgt Ion:264 Resp: 230228

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.0 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

