

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032688.D
 Acq On : 14 Feb 2018 19:30
 Operator : SJ/JU
 Sample : J1540-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:53:57 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	8.65	152	23915	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	103063	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	81135	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	252745	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	362104	20.00	ng	-0.02
86) Perylene-d12	25.99	264	384554	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	161955	135.87	ng	-0.02
7) Phenol-d6	7.78	99	207038	127.03	ng	-0.02
23) Nitrobenzene-d5	9.85	82	146215	90.17	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	247367	198.00	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	535980	82.61	ng	0.00
78) Terphenyl-d14	20.58	244	1374826	86.54	ng	0.00

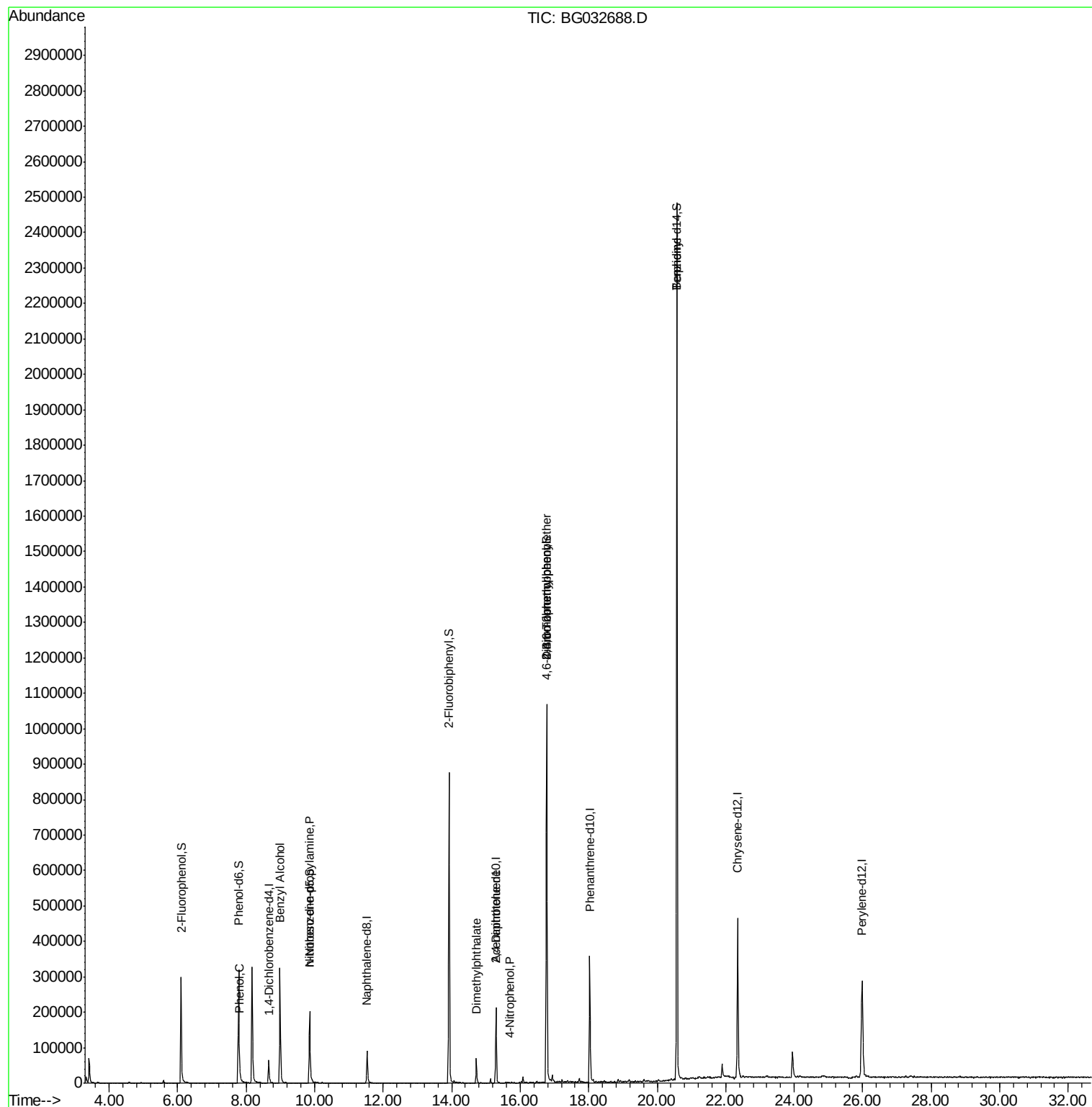
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.81	94	11429	7.21	ng	81
15) Benzyl Alcohol	8.98	79	3035	2.48	ng	# 37
19) n-Nitroso-di-n-propylamine	9.85	70	19817	18.09	ng	# 80
49) Dimethylphthalate	14.72	163	54794	7.81	ng	# 95
55) 4-Nitrophenol	15.69	139	64	5.55	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	11781	5.92	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.76	198	920	5.47	ng	# 74
66) 4-Bromophenyl-phenylether	16.77	248	21765	6.02	ng	# 1
76) Benzidine	20.57	184	20226	2.37	ng	# 87

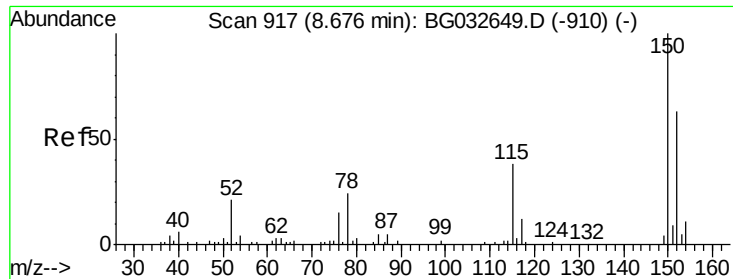
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.65 min Scan# 913

Delta R.T. -0.02 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

Instrument :

BNA_G

ClientSampled :

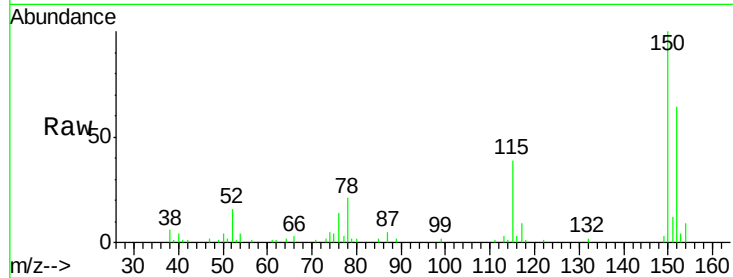
Tot Ion:152 Resp: 23915

Ion Ratio Lower Upper

152 100

150 155.3 126.6 189.8

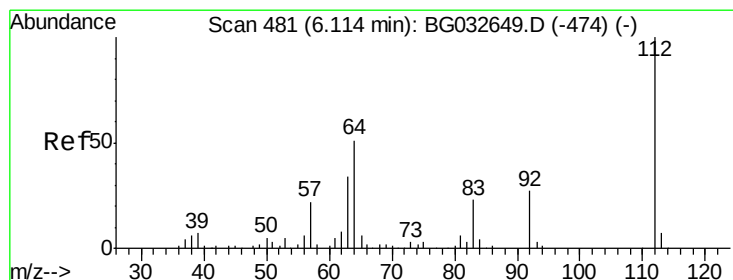
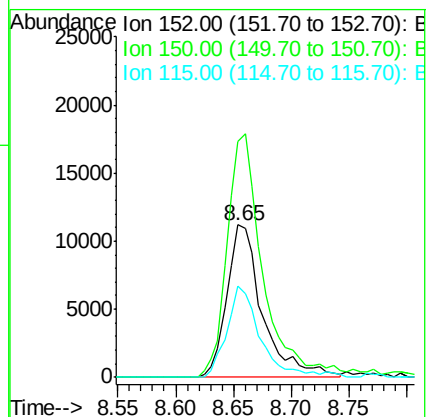
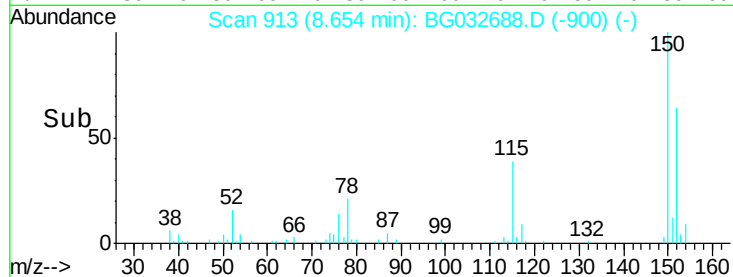
115 60.3 53.0 79.4



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



#5

2-Fluorophenol

Concen: 135.87 ng

RT: 6.10 min Scan# 478

Delta R.T. -0.02 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

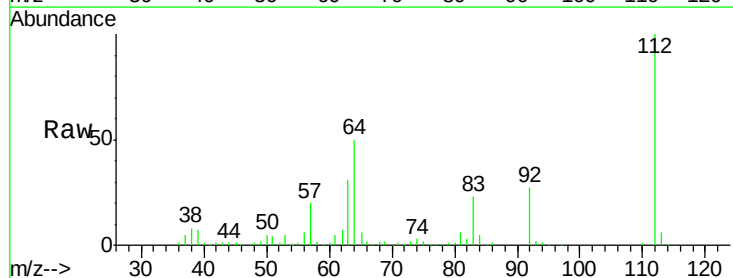
Tgt Ion:112 Resp: 161955

Ion Ratio Lower Upper

112 100

64 50.0 56.3 84.5#

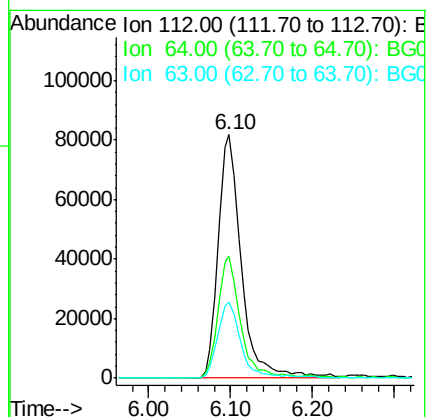
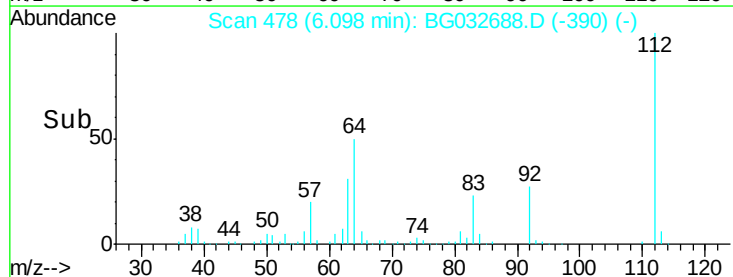
63 31.3 30.1 45.1

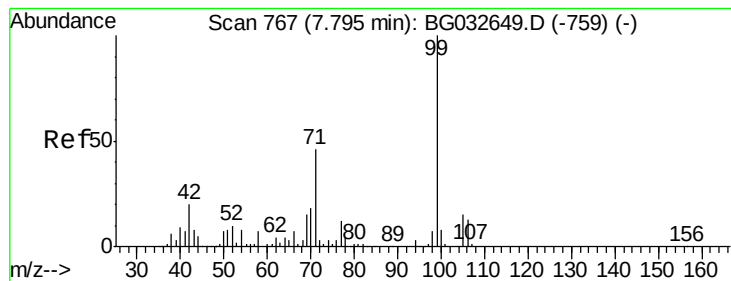


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 127.03 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

Instrument :

BNA_G

ClientSampleId :

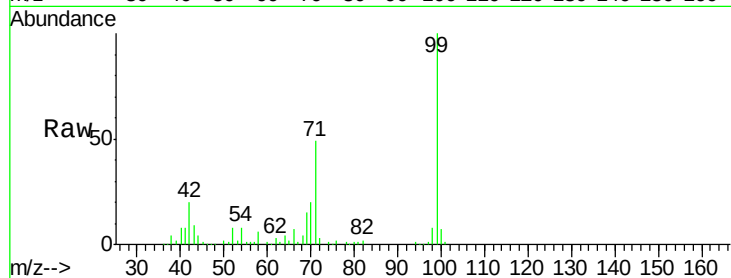
Tot Ion: 99 Resp: 207038

Ion Ratio Lower Upper

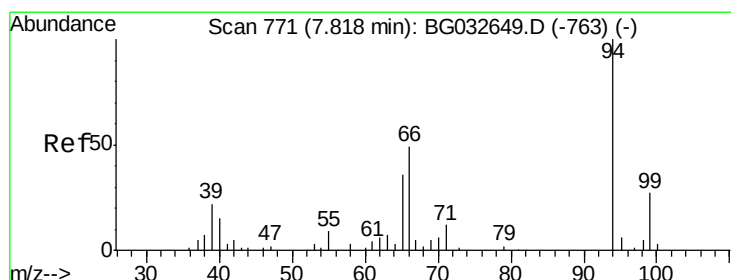
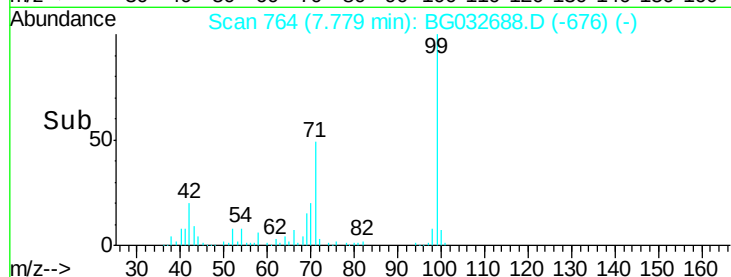
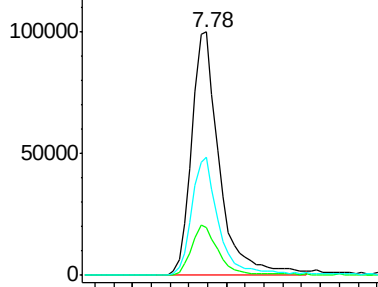
99 100

42 19.5 14.1 21.1

71 48.5 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



#10

Phenol

Concen: 7.21 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

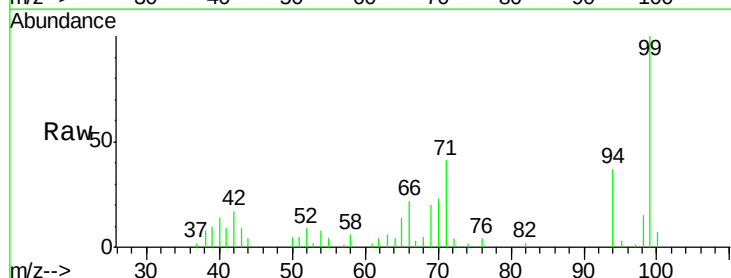
Tgt Ion: 94 Resp: 11429

Ion Ratio Lower Upper

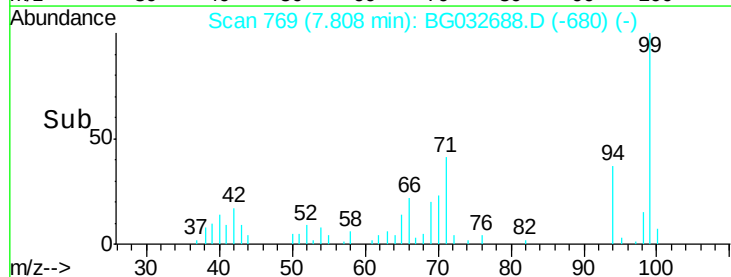
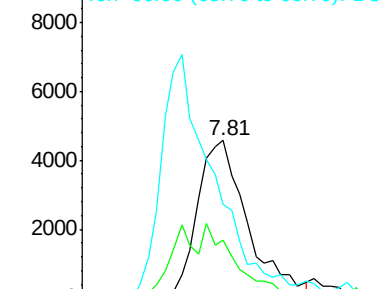
94 100

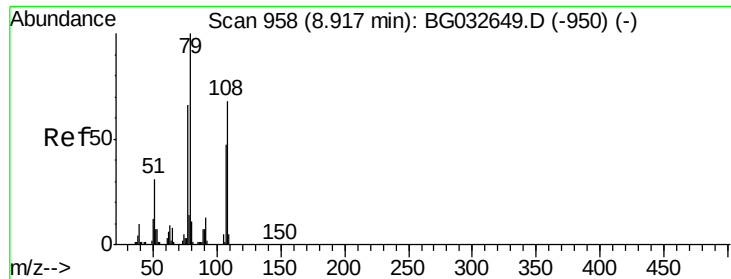
65 36.8 11.9 51.9

66 59.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.48 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.07 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

Instrument :

BNA_G

ClientSampled :

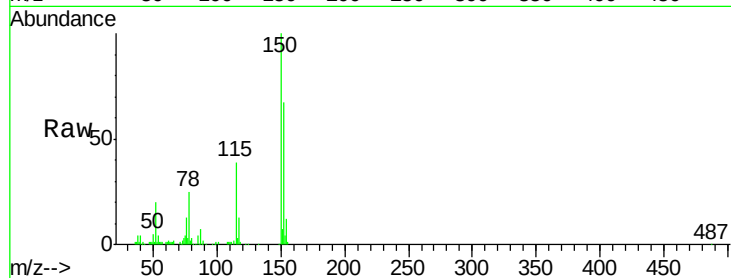
Tot Ion: 79 Resp: 3035

Ion Ratio Lower Upper

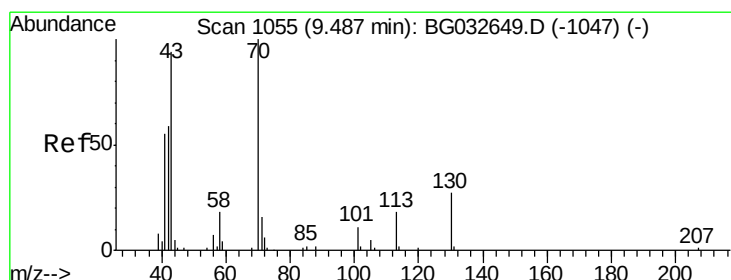
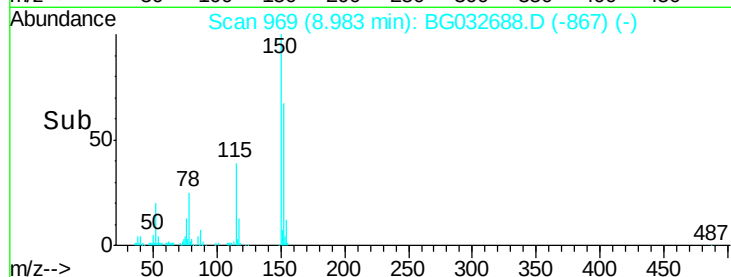
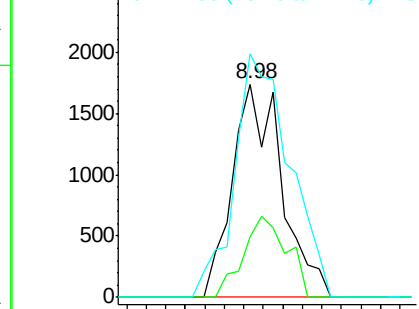
79 100

108 28.5 57.2 85.8#

77 114.3 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: 18.09 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.37 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

Tgt Ion: 70 Resp: 19817

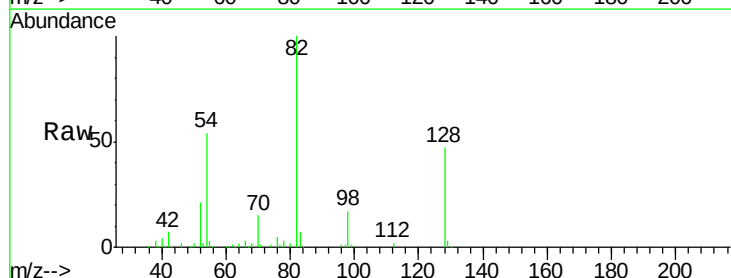
Ion Ratio Lower Upper

70 100

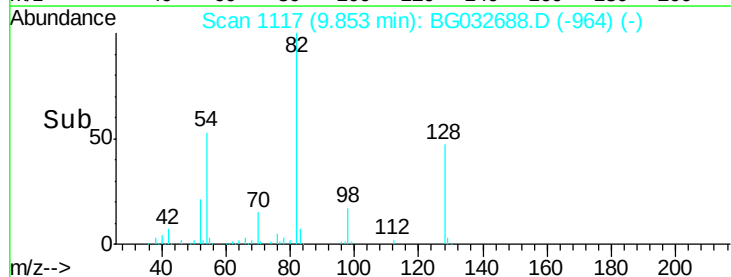
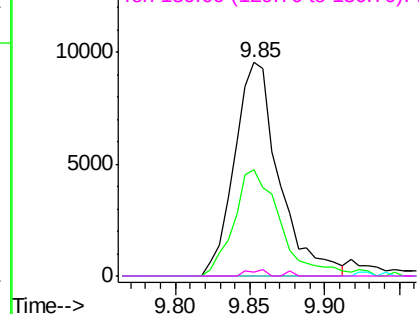
42 49.6 49.1 73.7

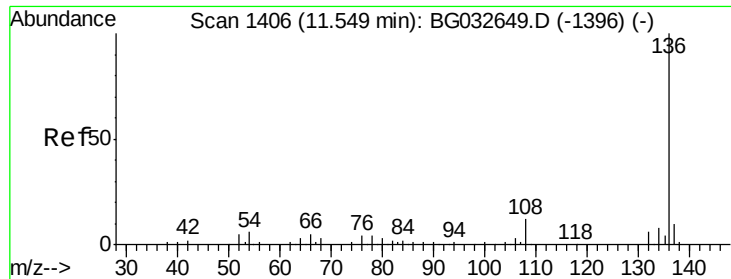
101 0.0 8.5 12.7#

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

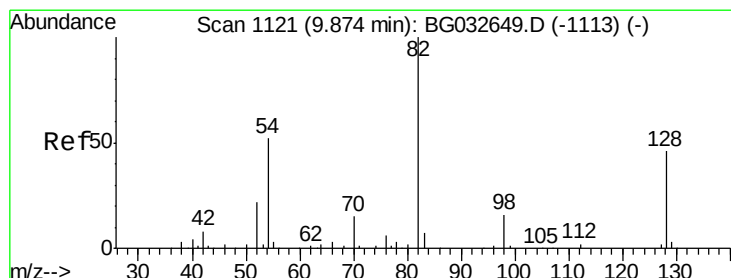
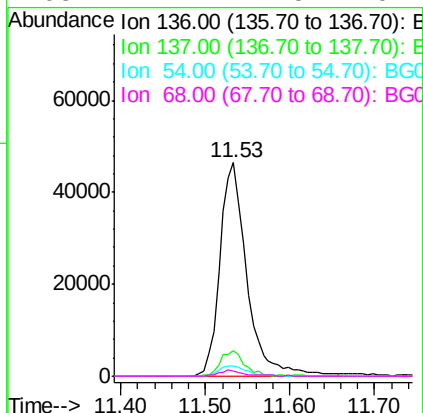
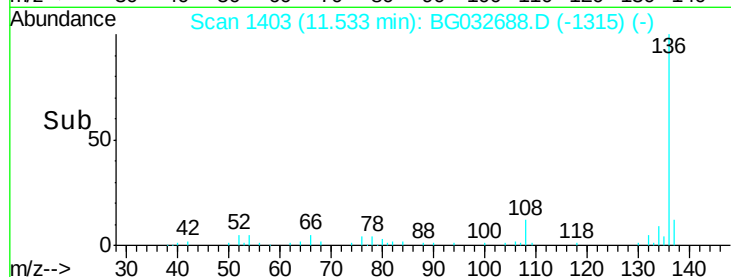
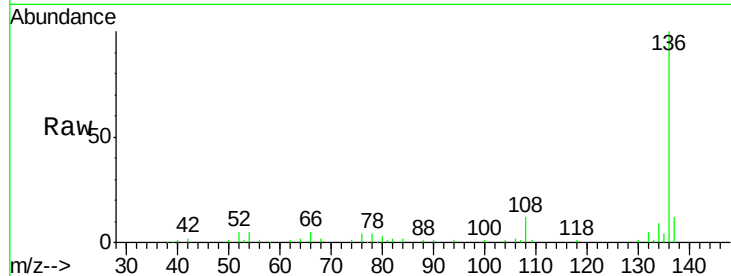




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

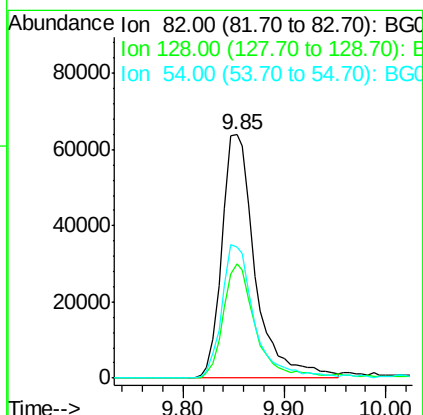
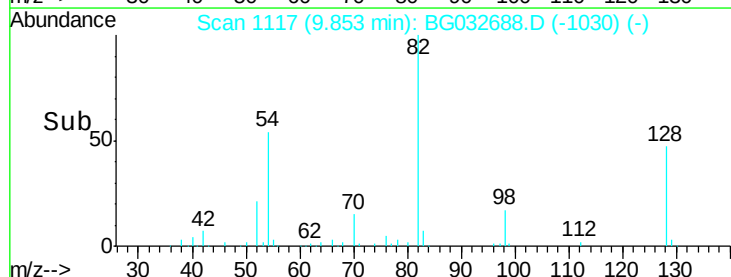
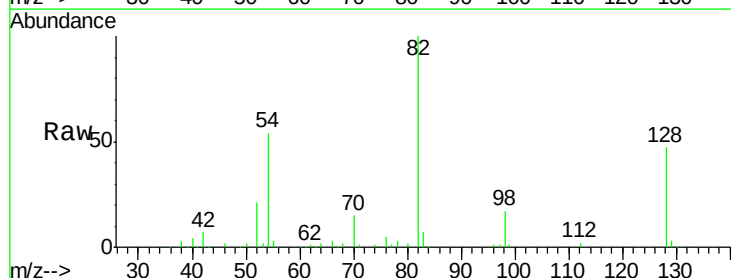
Instrument :
BNA_G
ClientSampleId :

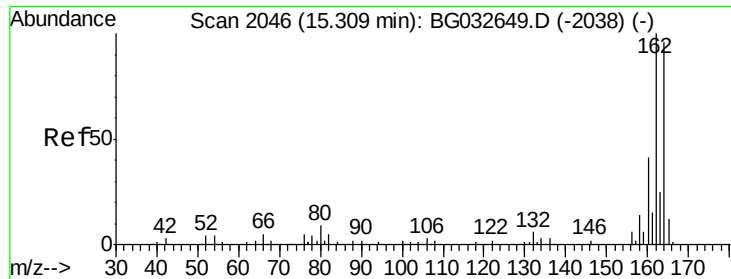
Tot Ion:136 Resp: 103063
Ion Ratio Lower Upper
136 100
137 12.2 9.2 13.8
54 4.8 10.3 15.5#
68 2.4 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 90.17 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion: 82 Resp: 146215
Ion Ratio Lower Upper
82 100
128 46.8 29.7 44.5#
54 53.7 43.1 64.7

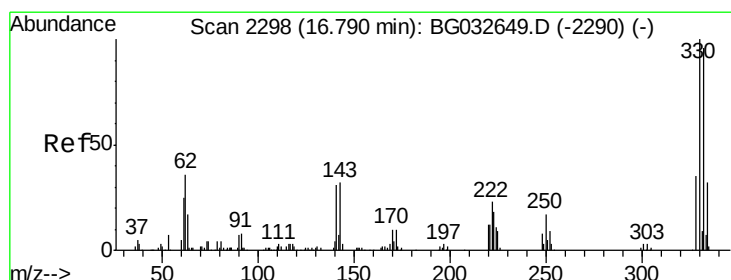
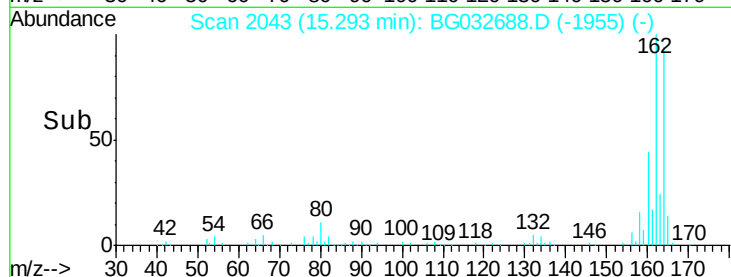
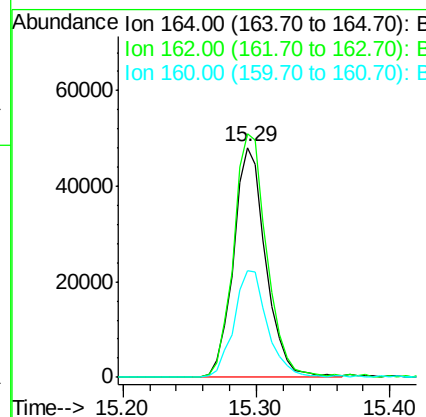
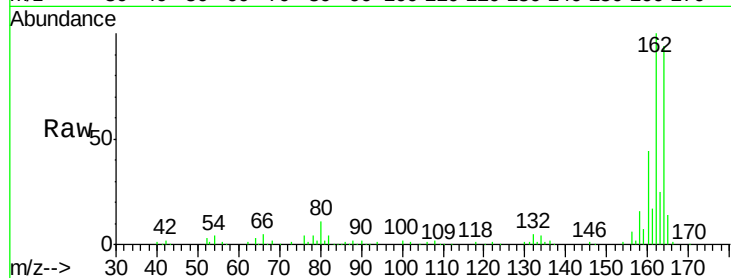




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

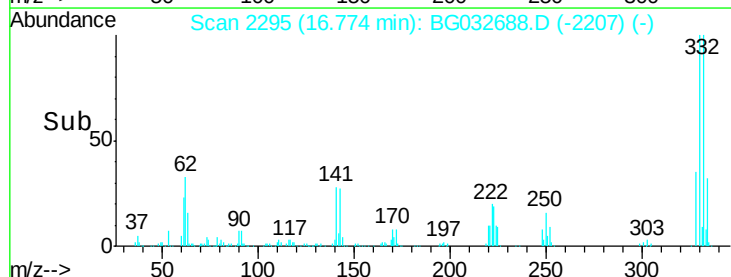
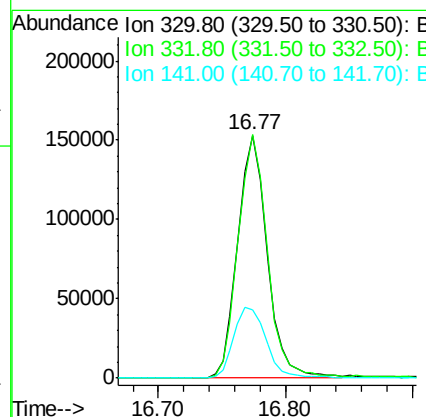
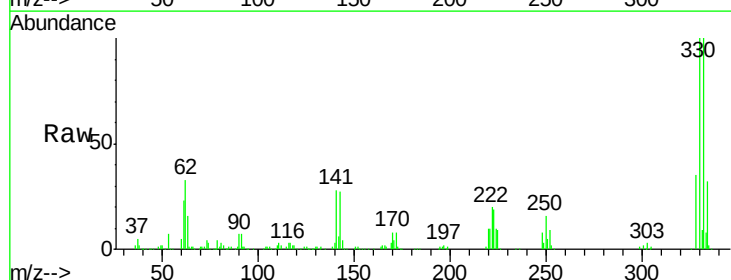
Instrument :
BNA_G
ClientSampleId :

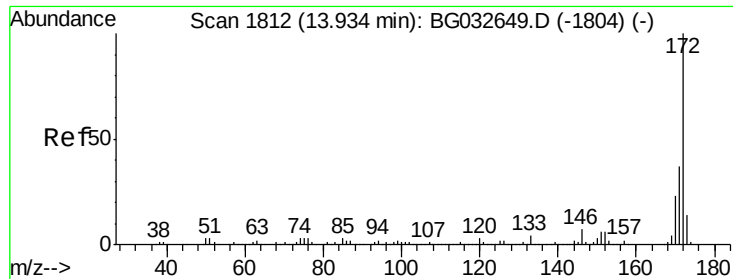
Tot Ion:164 Resp: 81135
Ion Ratio Lower Upper
164 100
162 106.0 78.8 118.2
160 46.7 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 198.00 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion:330 Resp: 247367
Ion Ratio Lower Upper
330 100
332 100.1 77.0 115.6
141 32.4 25.2 37.8

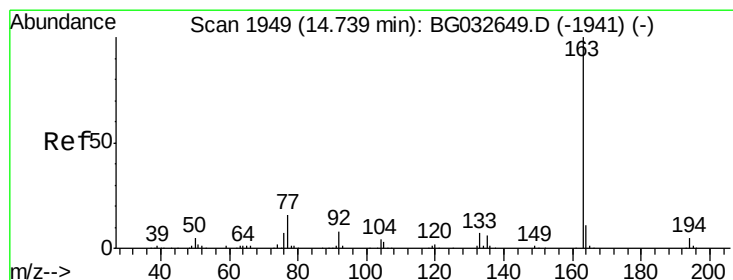
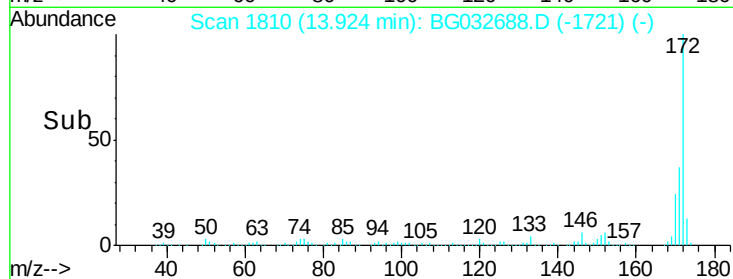
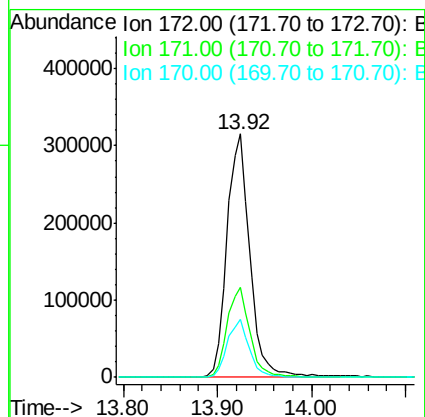
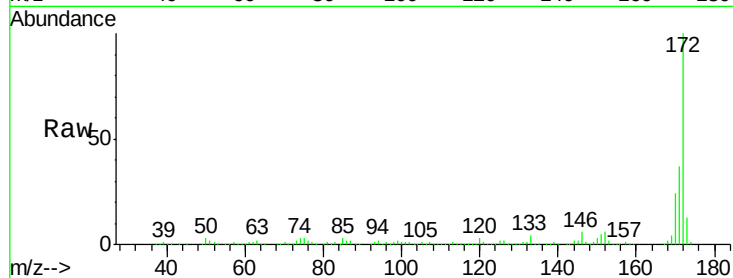




#44
2-Fluorobiphenyl
Concen: 82.61 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

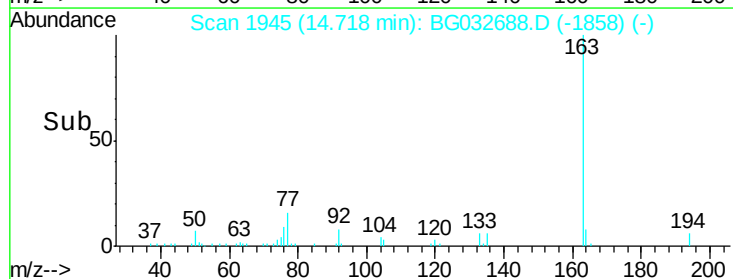
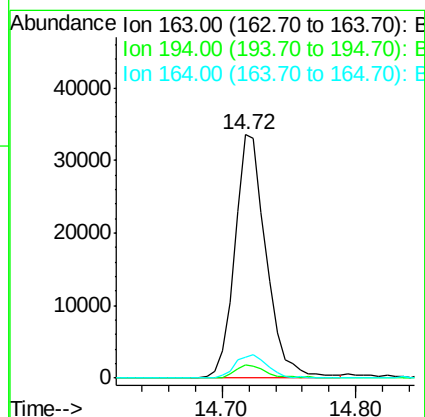
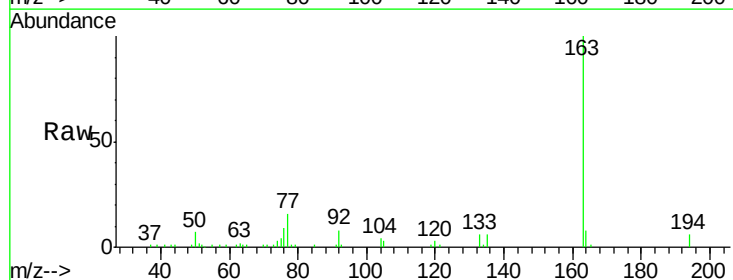
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BNA_G
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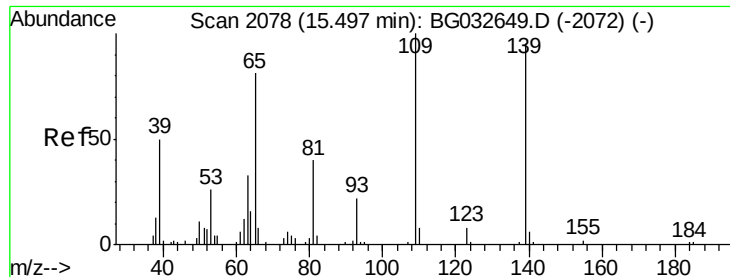
Tot Ion:172 Resp: 535980
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 23.8 19.5 29.3



#49
Dimethylphthalate
Concen: 7.81 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion:163 Resp: 54794
Ion Ratio Lower Upper
163 100
194 5.6 3.4 5.2#
164 8.4 8.2 12.4

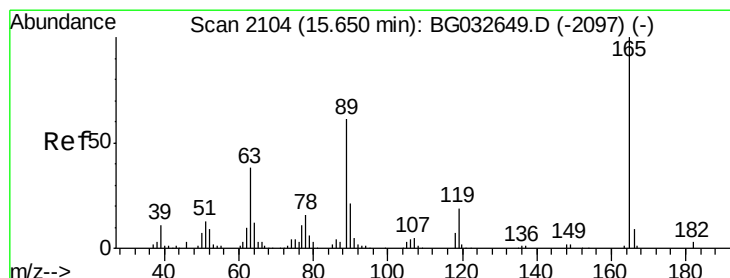
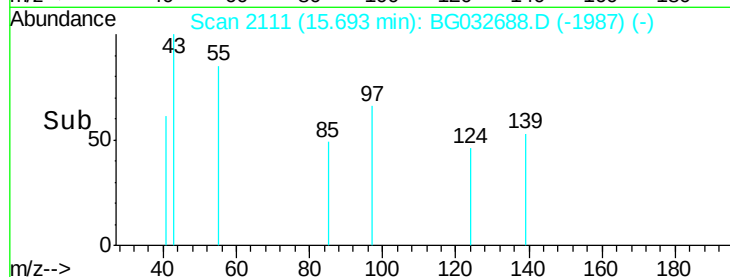
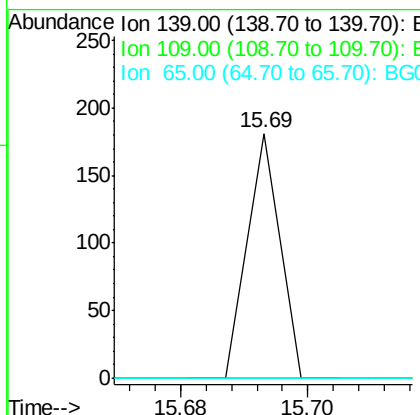
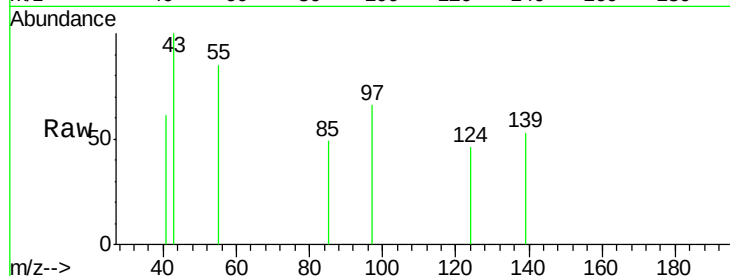




#55
4-Nitrophenol
Concen: 5.55 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.20 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

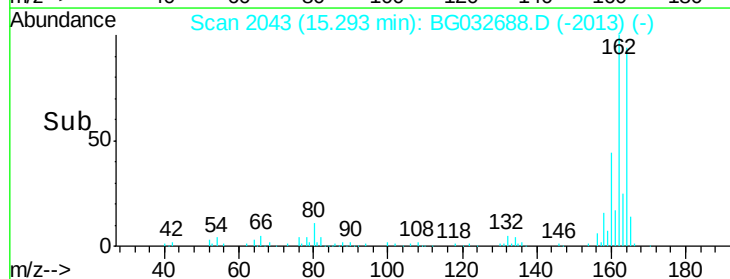
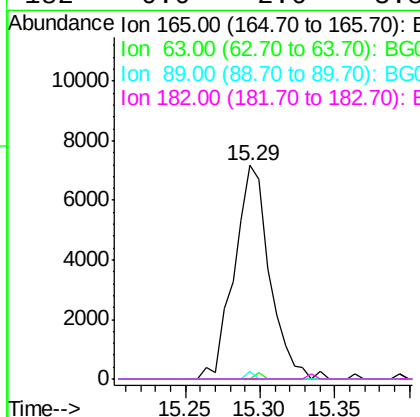
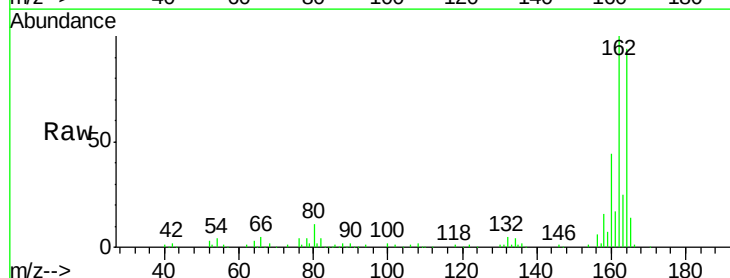
Instrument :
BNA_G
ClientSampled :

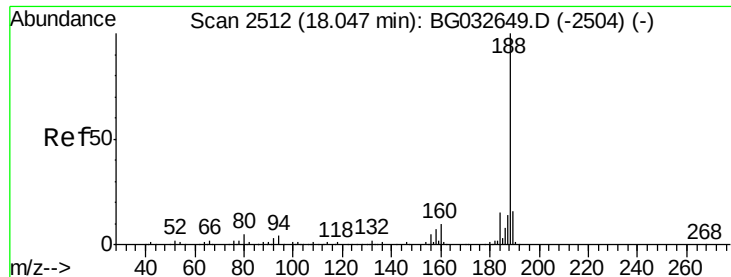
Tot Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion:165 Resp: 11781
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.4 66.9 100.3#
182 0.0 2.6 3.8#

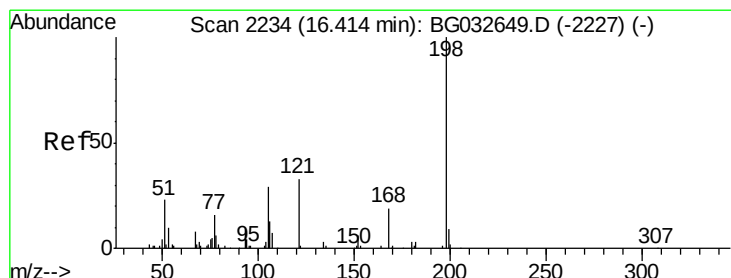
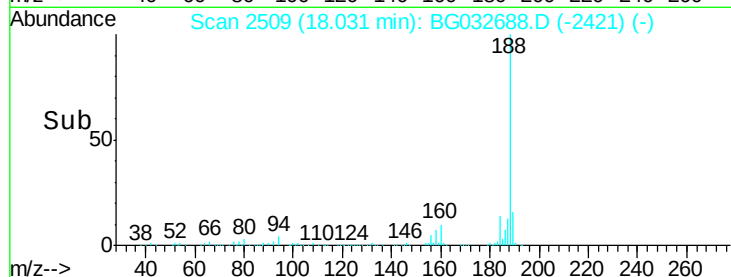
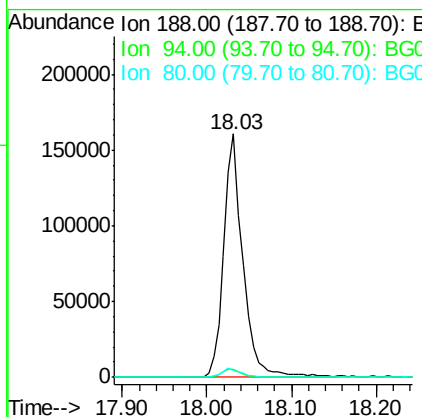
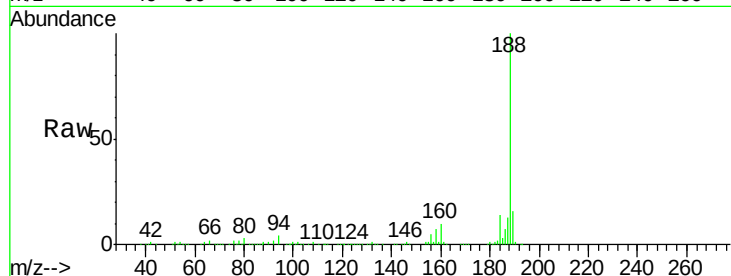




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

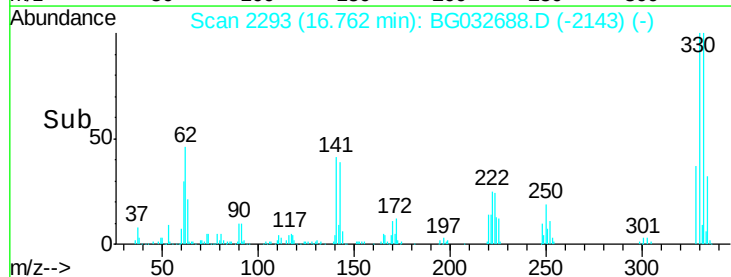
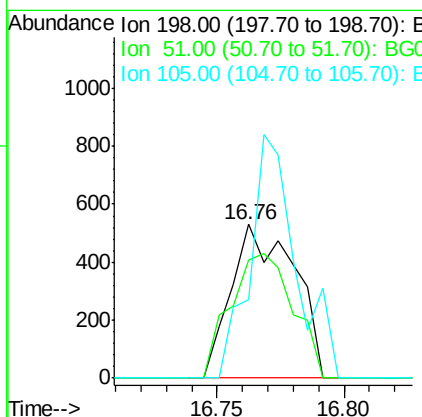
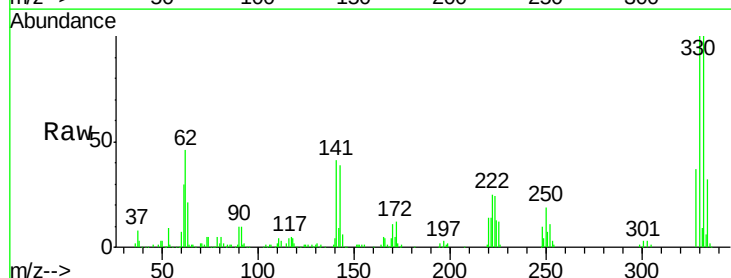
Instrument :
BNA_G
ClientSampleId :

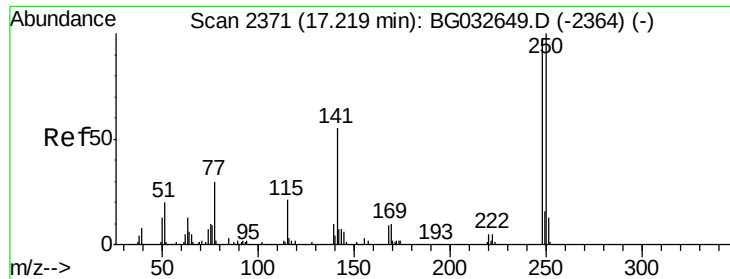
Tot Ion:188 Resp: 252745
Ion Ratio Lower Upper
188 100
94 3.5 6.9 10.3#
80 2.9 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.47 ng
RT: 16.76 min Scan# 2293
Delta R.T. 0.35 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion:198 Resp: 920
Ion Ratio Lower Upper
198 100
51 77.0 30.6 70.6#
105 51.0 23.8 63.8

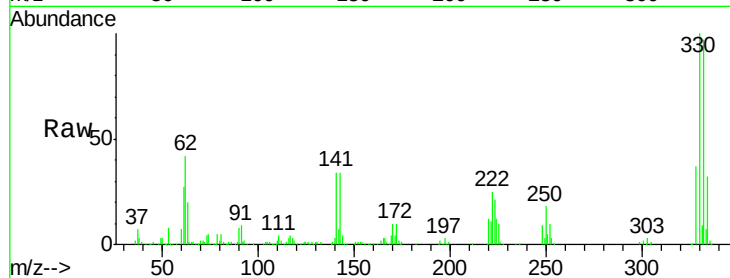




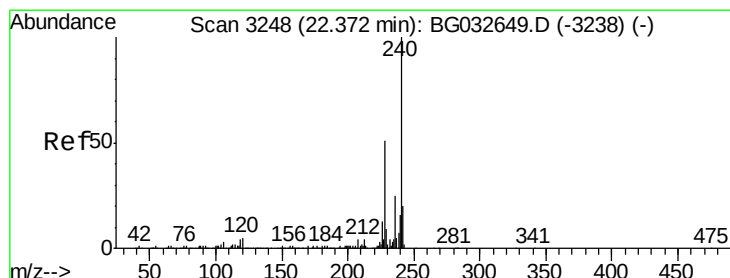
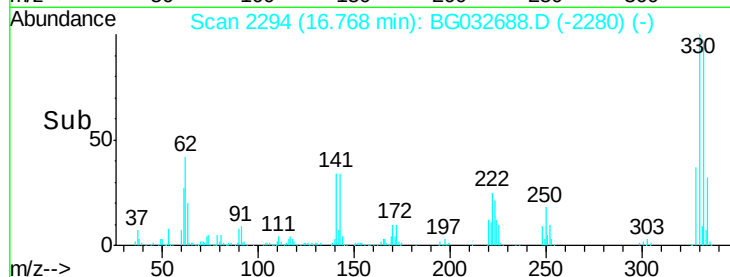
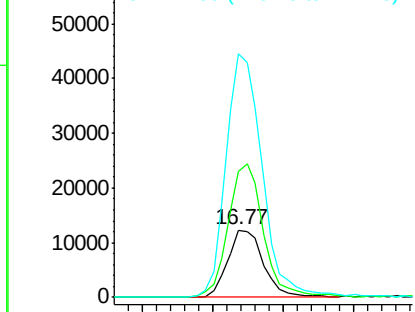
#66
4-Bromophenyl-phenylether
Concen: 6.02 ng
RT: 16.77 min Scan# 2294
Delta R.T. -0.45 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21765
Ion Ratio Lower Upper
248 100
250 187.2 77.1 115.7#
141 360.9 50.8 76.2#

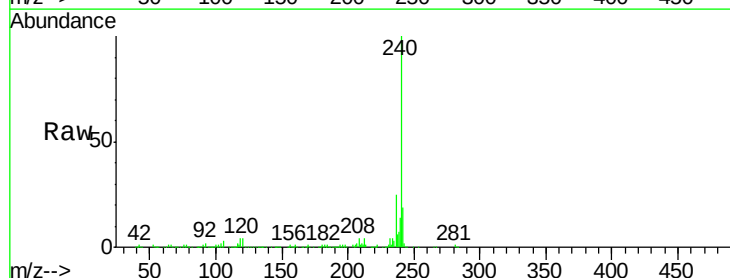


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

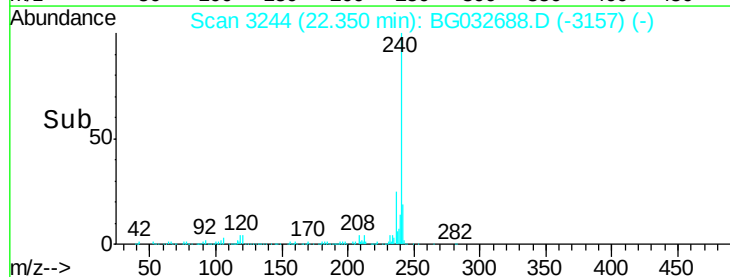
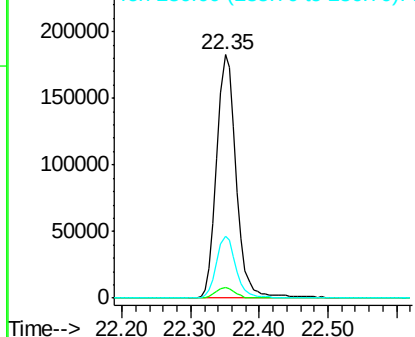


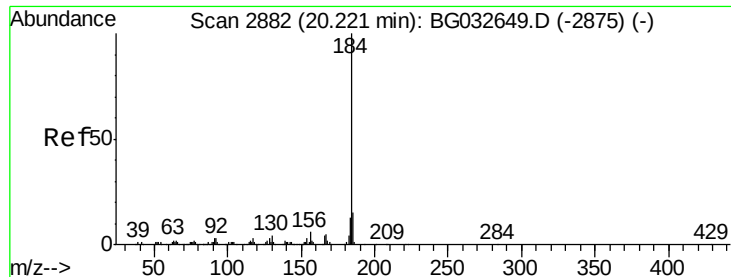
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.35 min Scan# 3244
Delta R.T. -0.02 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Tgt Ion:240 Resp: 362104
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 25.3 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: 2.37 ng

RT: 20.57 min Scan# 2941

Delta R.T. 0.35 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

Instrument :

BNA_G

ClientSampleId :

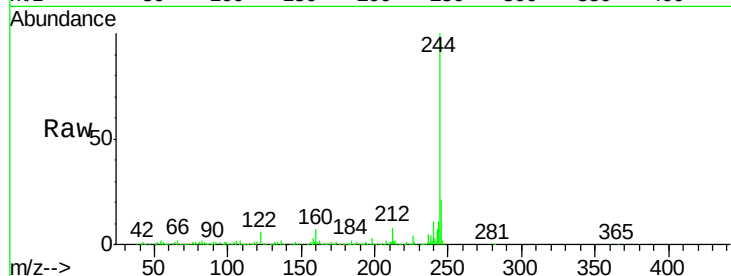
Tot Ion:184 Resp: 20226

Ion Ratio Lower Upper

184 100

185 21.6 11.1 16.7#

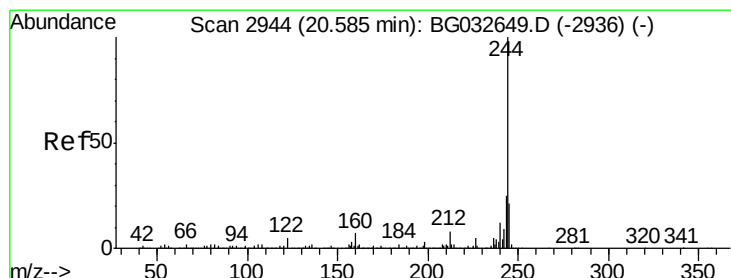
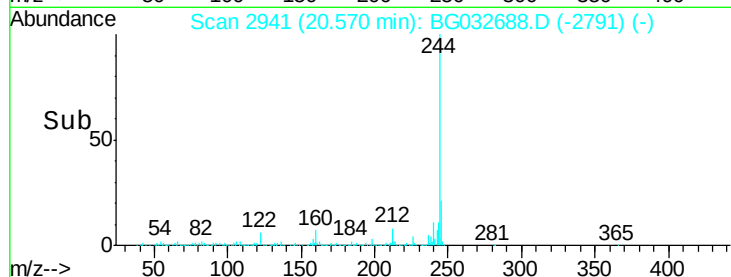
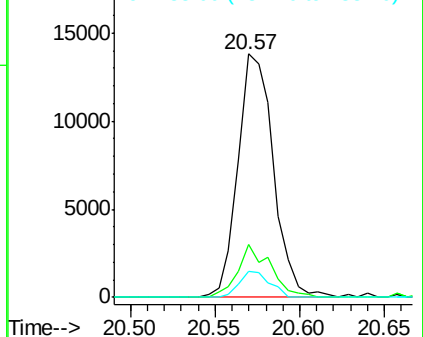
183 10.8 10.6 16.0



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: 86.54 ng

RT: 20.58 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032688.D

Acq: 14 Feb 2018 19:30

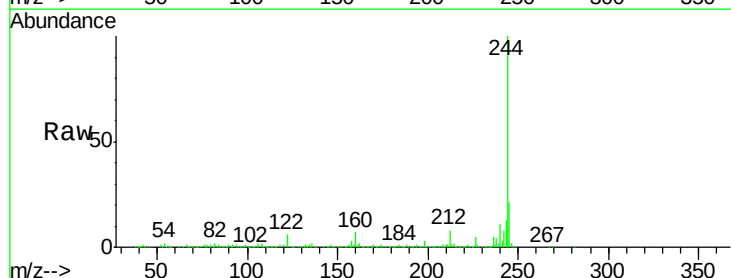
Tgt Ion:244 Resp: 1374826

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

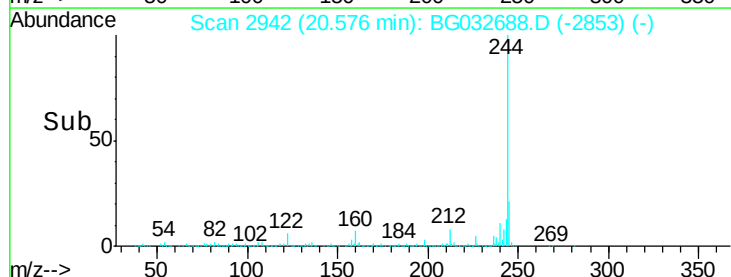
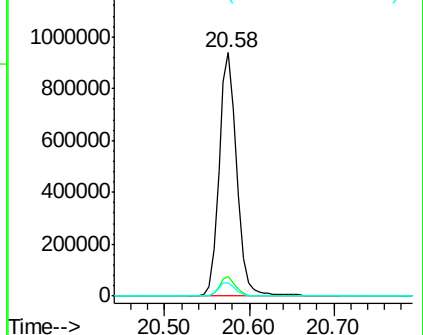
122 5.6 7.0 10.4#

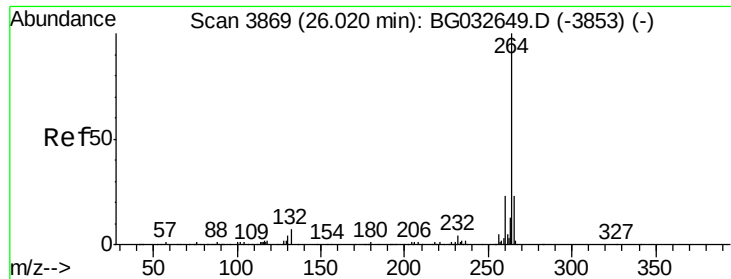


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.99 min Scan# 3863
Delta R.T. -0.03 min
Lab File: BG032688.D
Acq: 14 Feb 2018 19:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.0	17.7	26.5

