

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032684.D
 Acq On : 14 Feb 2018 17:00
 Operator : SJ/JU
 Sample : J1539-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:52:55 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	22393	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	101463	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	88630	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	272361	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	357987	20.00	ng	-0.02
86) Perylene-d12	25.99	264	369716	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	182270	163.31	ng	-0.02
7) Phenol-d6	7.78	99	241740	158.40	ng	-0.02
23) Nitrobenzene-d5	9.85	82	161211	100.98	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	266564	195.33	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	628957	88.74	ng	-0.01
78) Terphenyl-d14	20.57	244	1464752	93.26	ng	-0.01

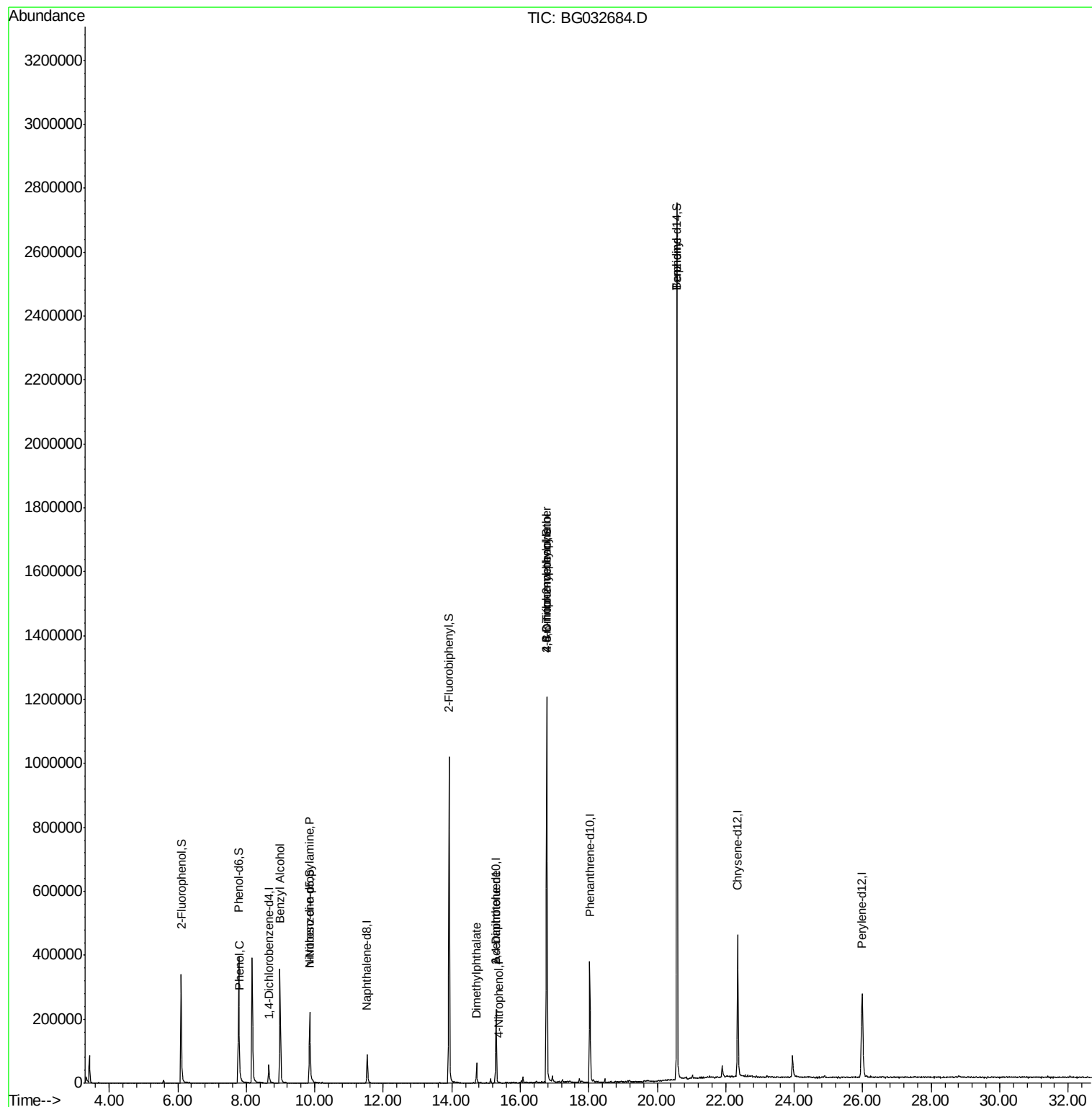
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.80	94	9953	6.71	ng	# 58
15) Benzyl Alcohol	8.98	79	3122	2.73	ng	# 52
19) n-Nitroso-di-n-propylamine	9.86	70	22452	21.88	ng	# 71
49) Dimethylphthalate	14.72	163	43692	5.70	ng	# 94
55) 4-Nitrophenol	15.37	139	69	5.55	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	12045	5.54	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	851	5.41	ng	# 32
66) 4-Bromophenyl-phenylether	16.77	248	23437	6.01	ng	# 1
76) Benzidine	20.57	184	22984	2.73	ng	# 92

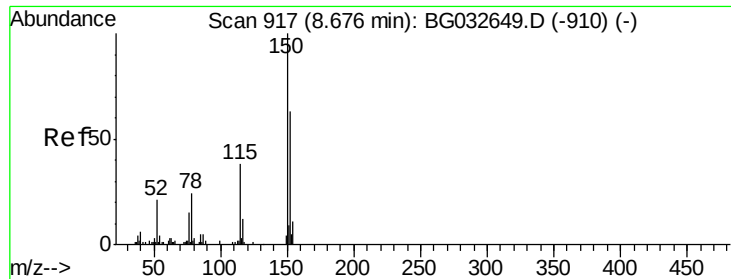
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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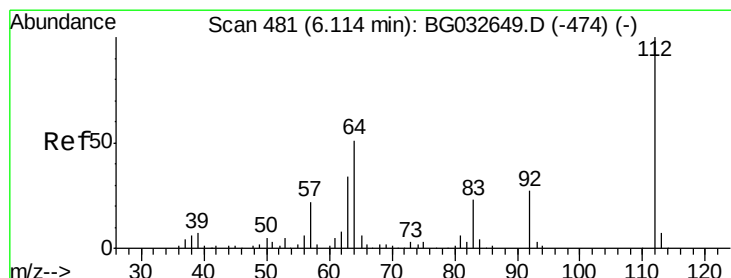
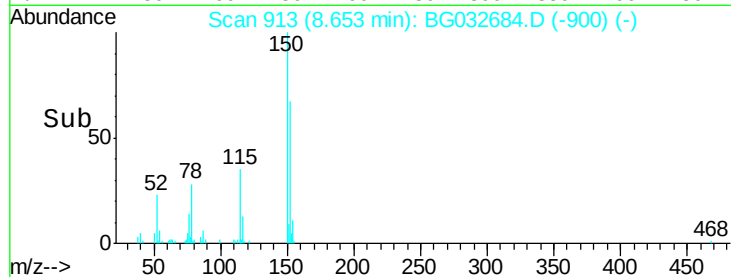
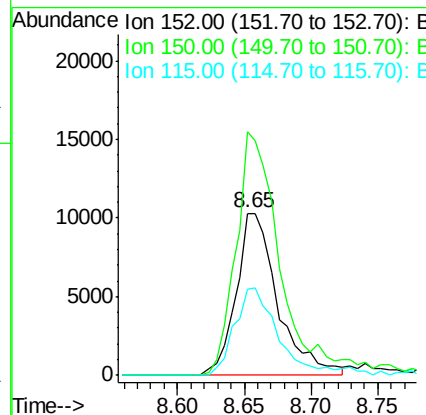
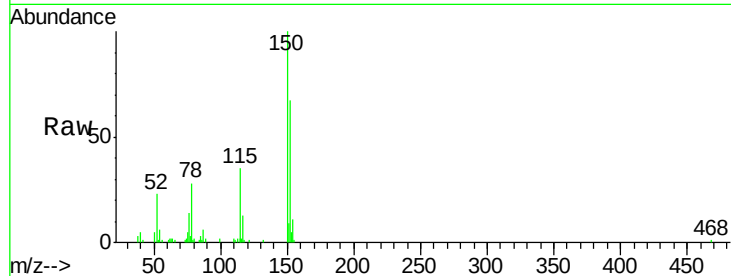


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.65 min Scan# 913
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Instrument :
BNA_G
ClientSampleId :

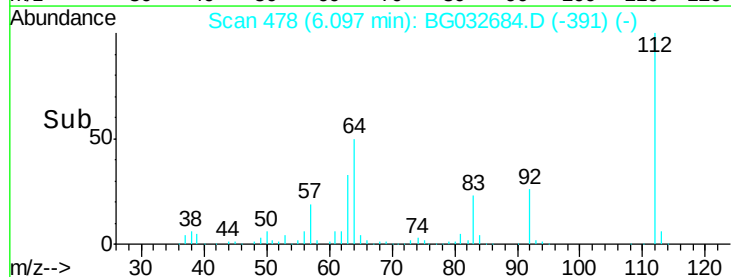
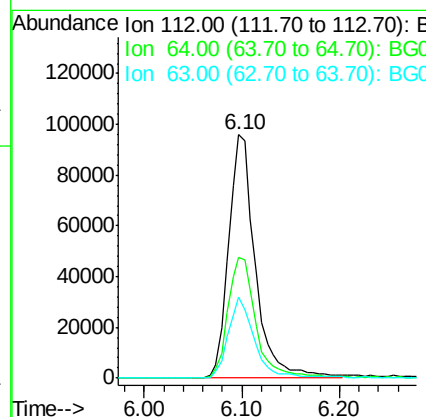
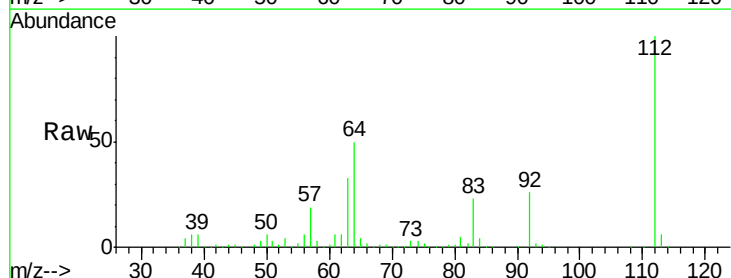
Tot Ion:152 Resp: 22393
Ion Ratio Lower Upper
152 100
150 150.3 126.6 189.8
115 53.3 53.0 79.4

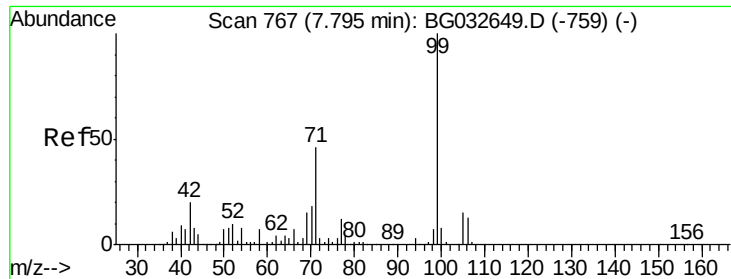


#5

2-Fluorophenol
Concen: 163.31 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Tgt Ion:112 Resp: 182270
Ion Ratio Lower Upper
112 100
64 49.7 56.3 84.5#
63 33.4 30.1 45.1





#7

Phenol-d6

Concen: 158.40 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

Instrument :

BNA_G

ClientSampleId :

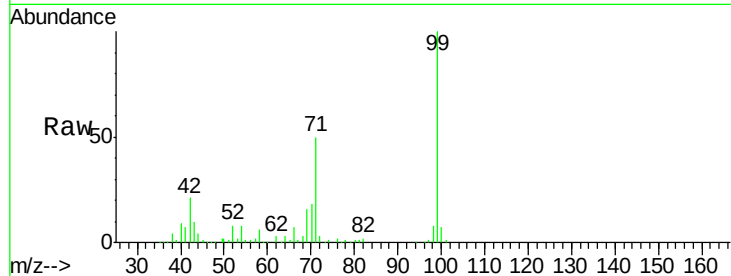
Tot Ion: 99 Resp: 241740

Ion Ratio Lower Upper

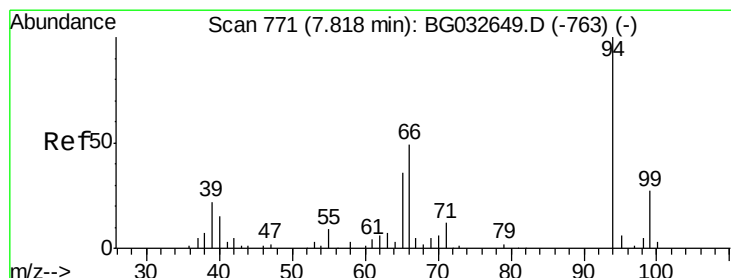
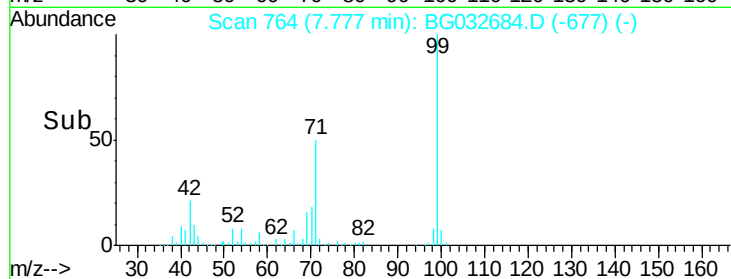
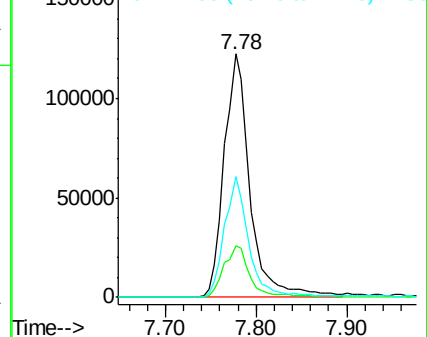
99 100

42 21.4 14.1 21.1#

71 49.7 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: 6.71 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

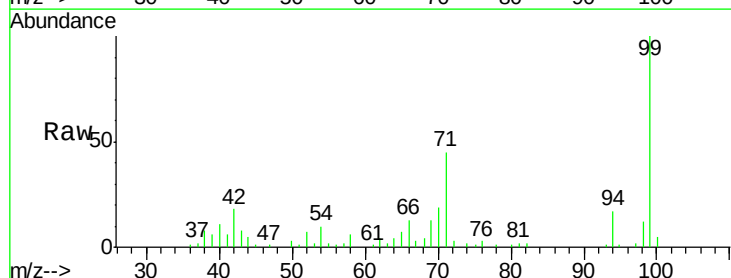
Tgt Ion: 94 Resp: 9953

Ion Ratio Lower Upper

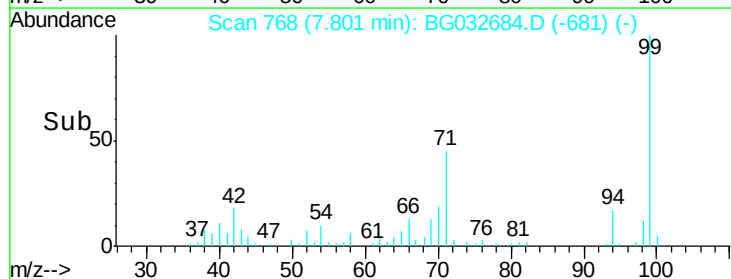
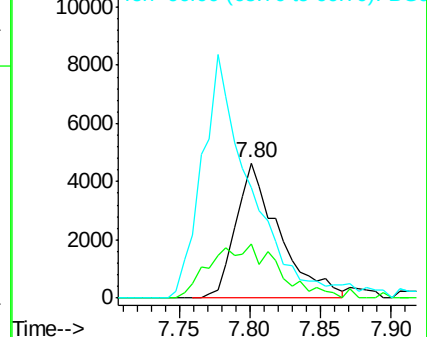
94 100

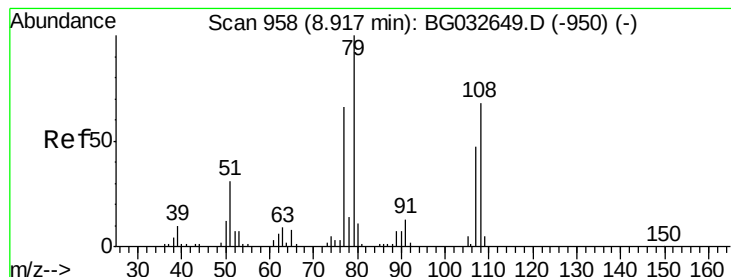
65 40.2 11.9 51.9

66 81.3 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: 2.73 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.06 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

Instrument :

BNA_G

ClientSampleId :

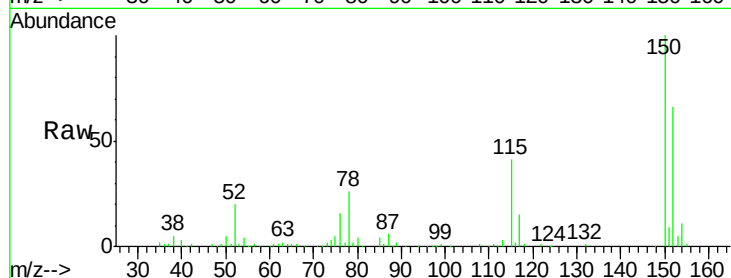
Tot Ion: 79 Resp: 3122

Ion Ratio Lower Upper

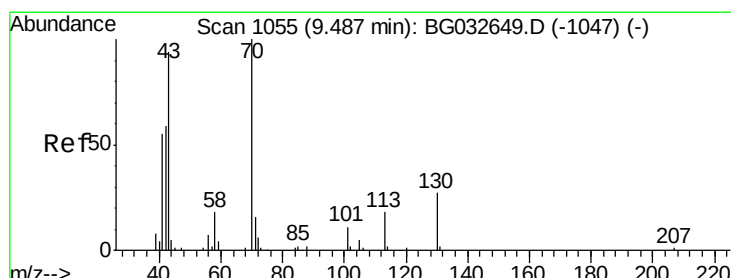
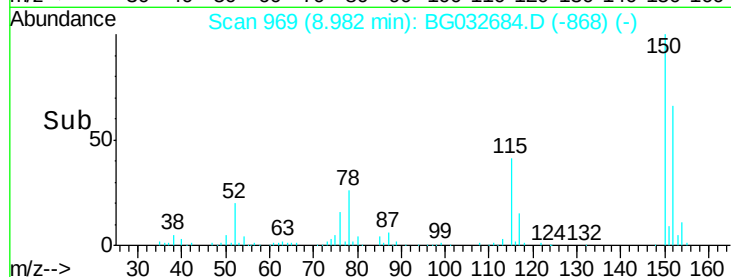
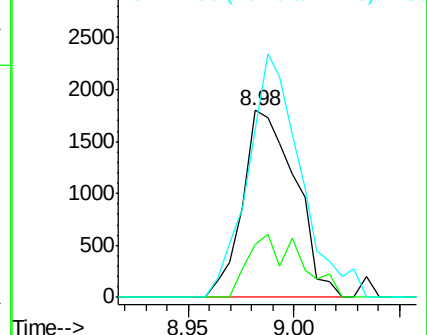
79 100

108 28.1 57.2 85.8#

77 89.8 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: 21.88 ng

RT: 9.86 min Scan# 1118

Delta R.T. 0.37 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

Tgt Ion: 70 Resp: 22452

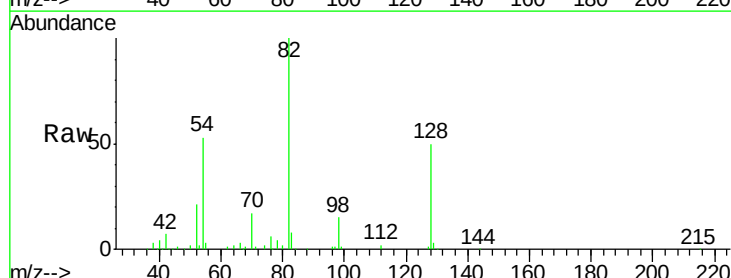
Ion Ratio Lower Upper

70 100

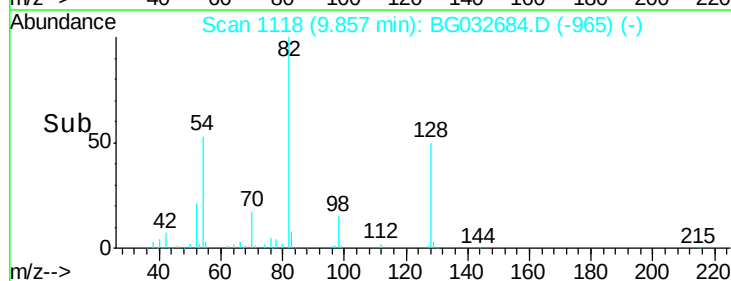
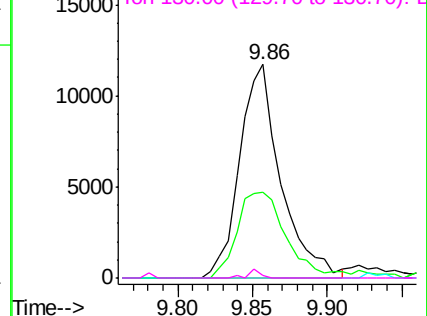
42 40.4 49.1 73.7#

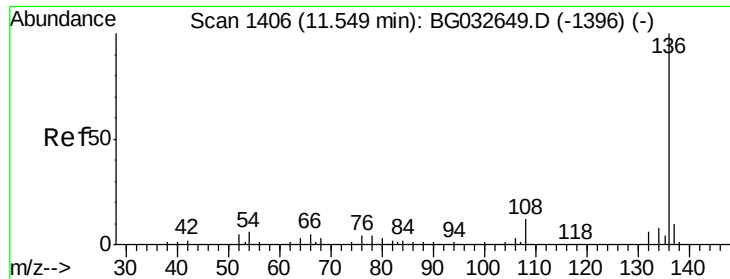
101 0.0 8.5 12.7#

130 1.4 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

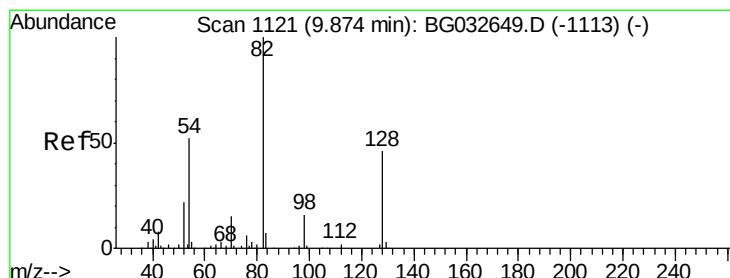
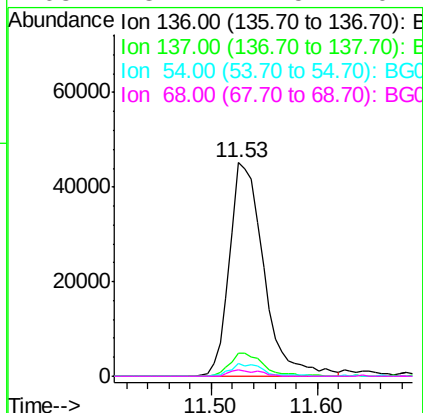
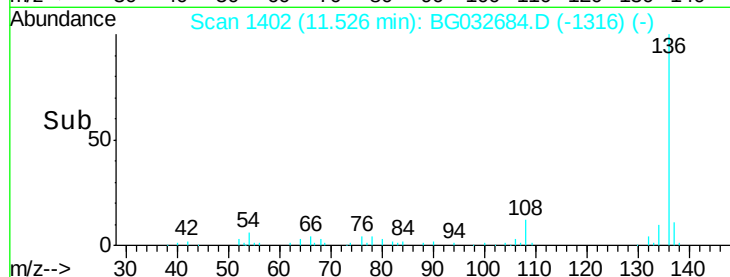
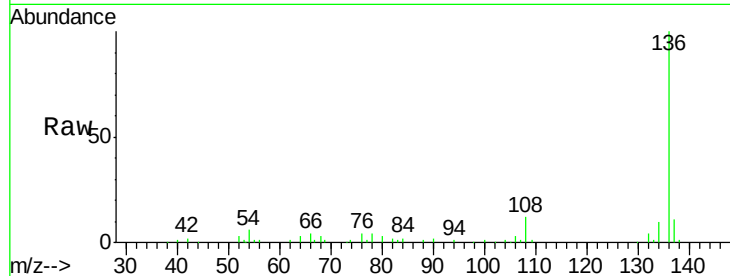




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

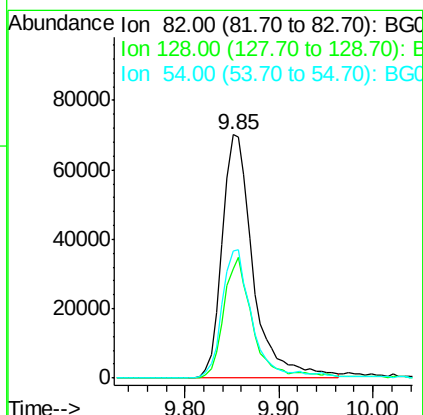
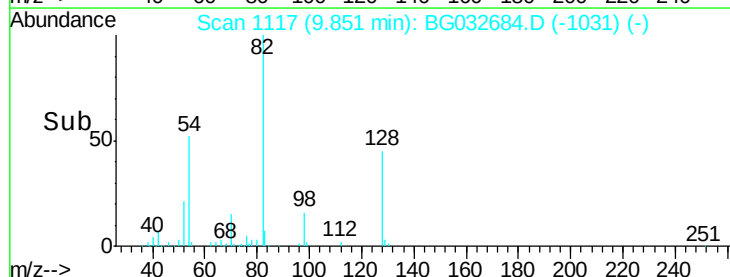
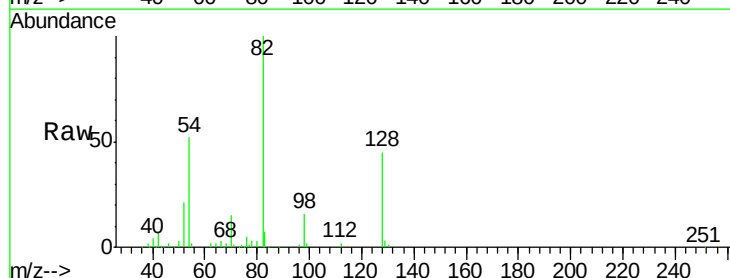
Instrument :
BNA_G
ClientSampleId :

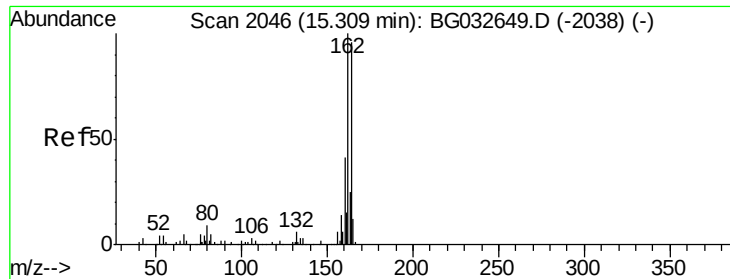
Tot Ion:136	Resp:	101463
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	5.8	10.3 15.5#
68	3.7	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 100.98 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Tgt Ion: 82	Resp:	161211
Ion Ratio	Lower	Upper
82	100	
128	44.9	29.7 44.5#
54	52.2	43.1 64.7

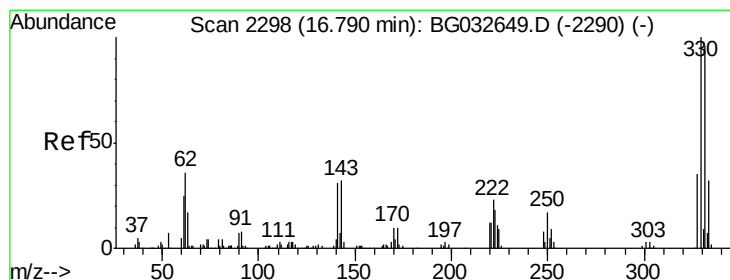
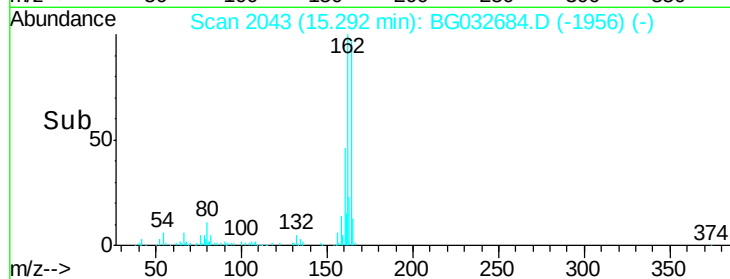
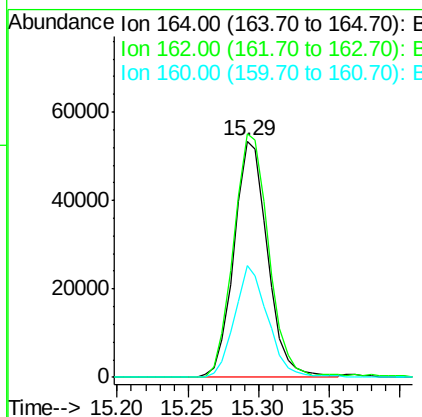
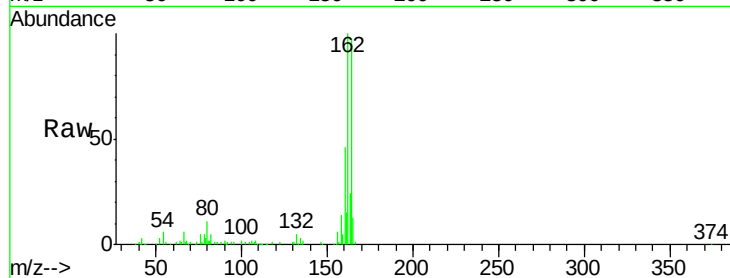




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.02 min
 Lab File: BG032684.D
 Acq: 14 Feb 2018 17:00

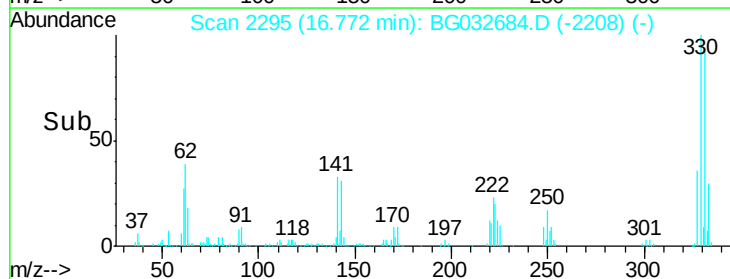
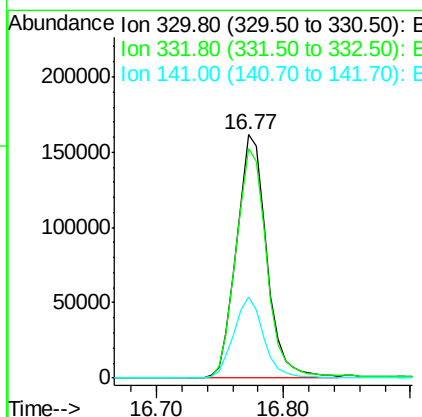
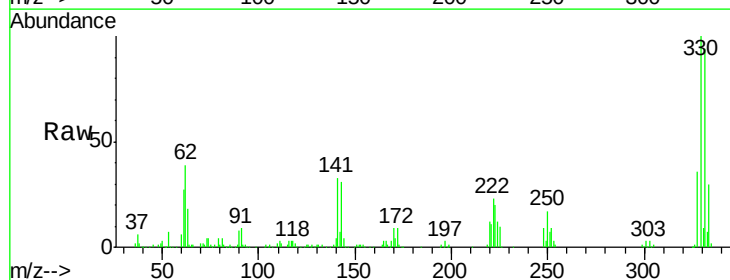
Instrument :
 BNA_G
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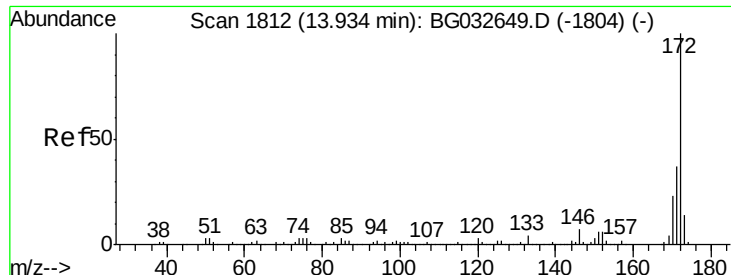
Tot Ion	164	Resp	88630
Ion Ratio	Lower	Upper	
164	100		
162	103.1	78.8	118.2
160	47.2	35.4	53.0



#41
 2,4,6-Tribromophenol
 Concen: 195.33 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.02 min
 Lab File: BG032684.D
 Acq: 14 Feb 2018 17:00

Tgt Ion	330	Resp	266564
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.0	115.6
141	32.9	25.2	37.8

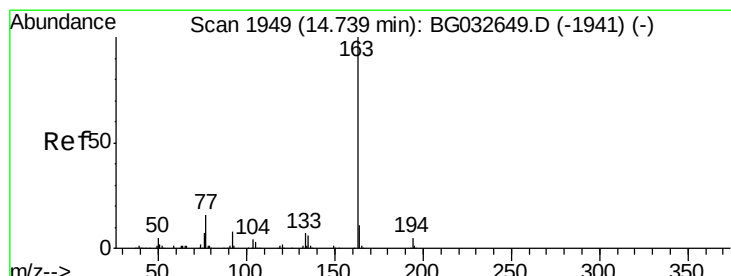
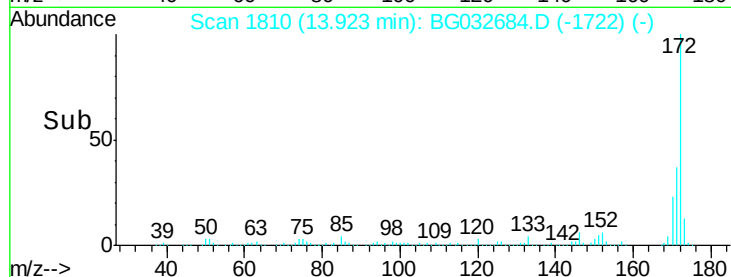
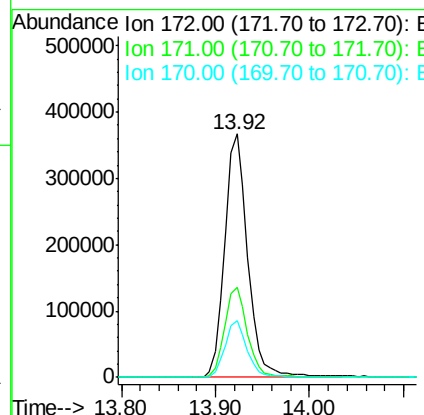
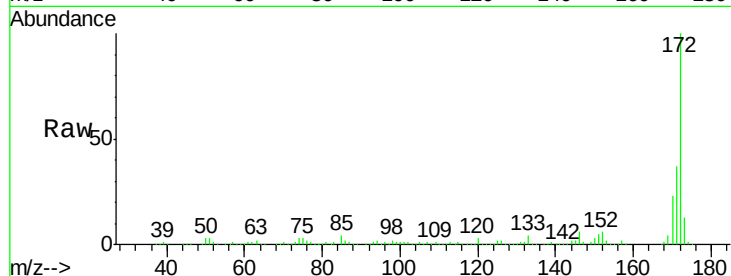




#44
2-Fluorobiphenyl
Concen: 88.74 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

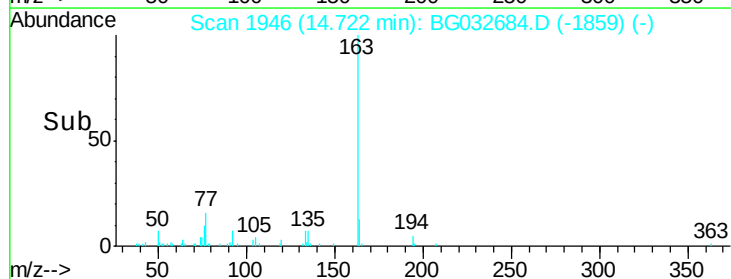
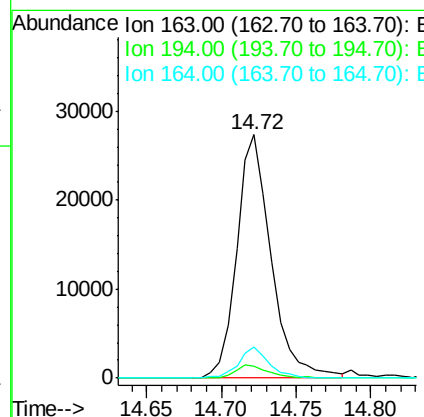
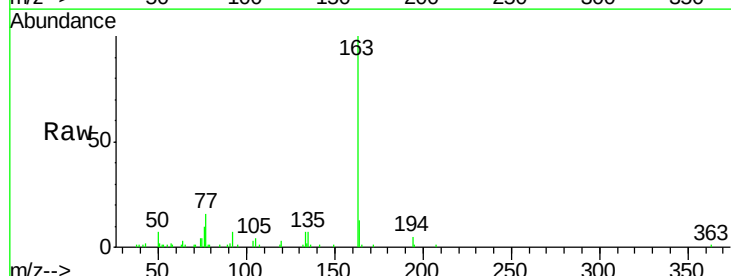
Instrument :
BNA_G
ClientSampleId :

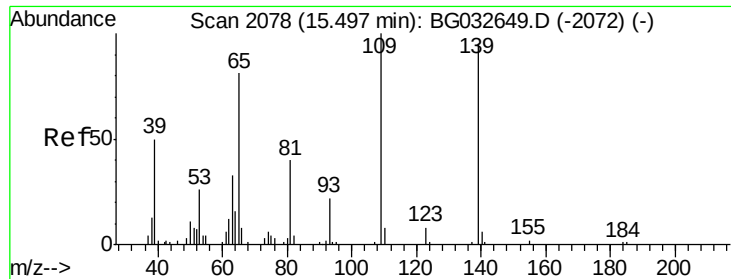
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	23.3	19.5	29.3



#49
Dimethylphthalate
Concen: 5.70 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.2
164	13.0	8.2	12.4

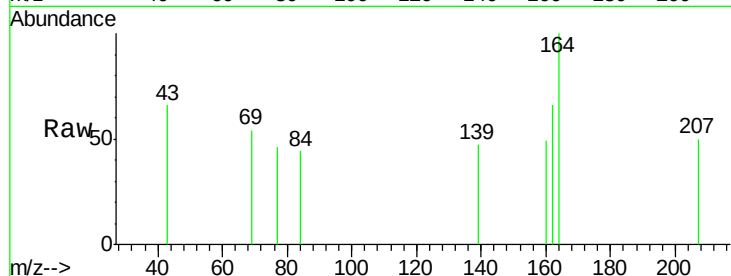




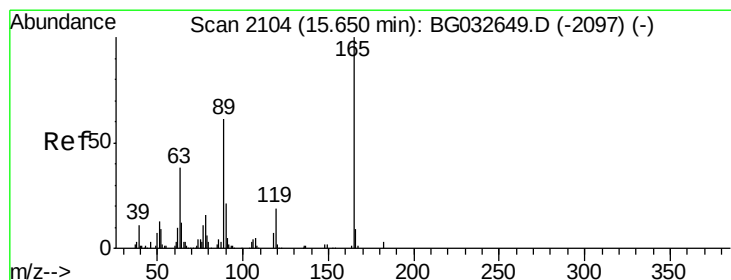
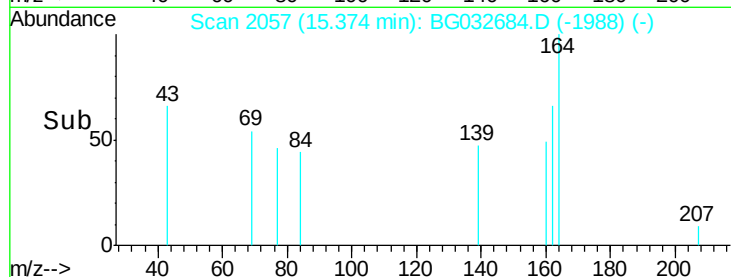
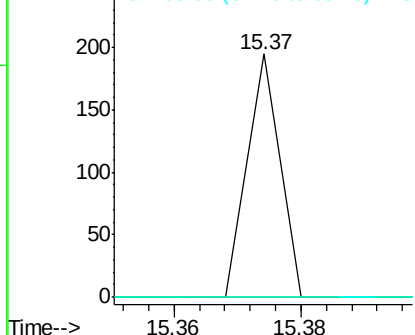
#55
4-Nitrophenol
Concen: 5.55 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.12 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 69
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

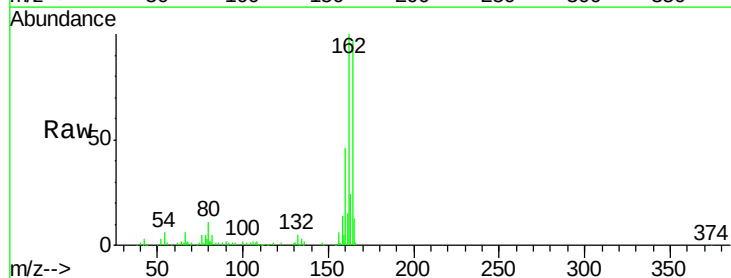


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

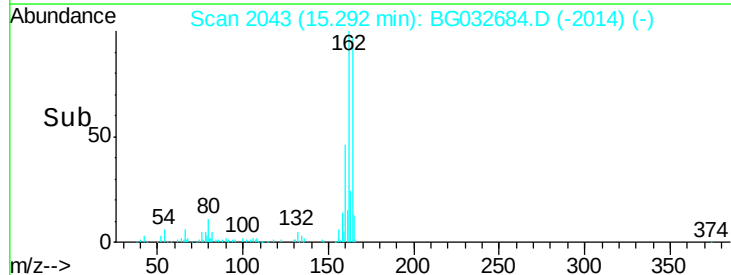
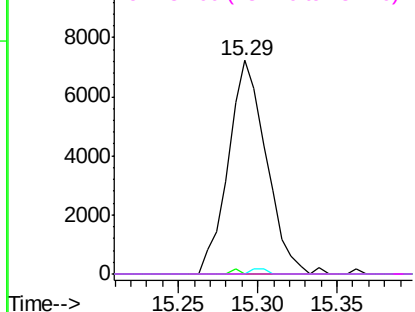


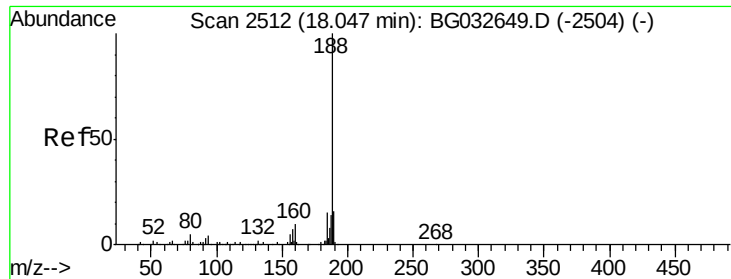
#56
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Tgt Ion:165 Resp: 12045
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): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E

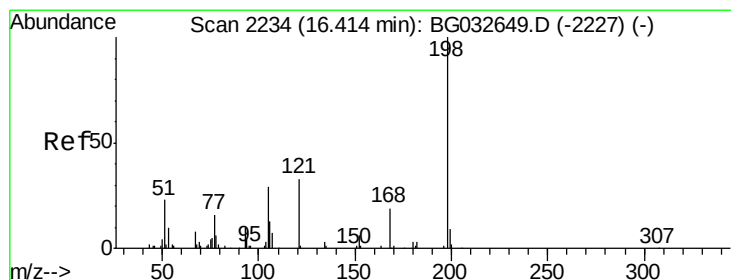
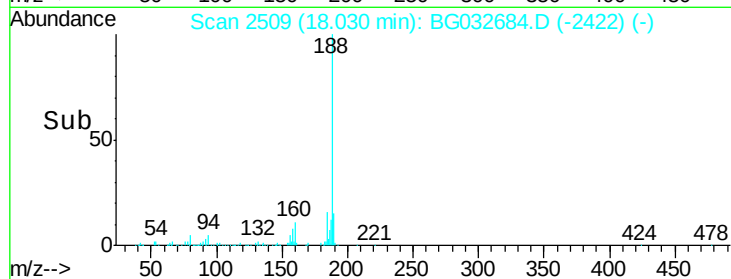
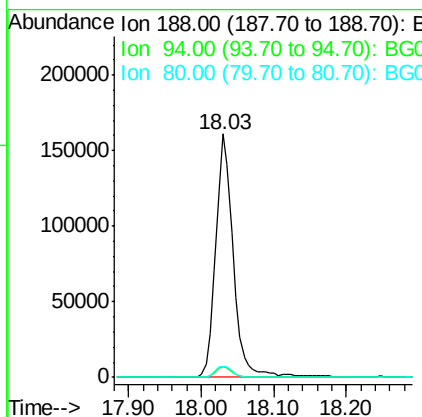
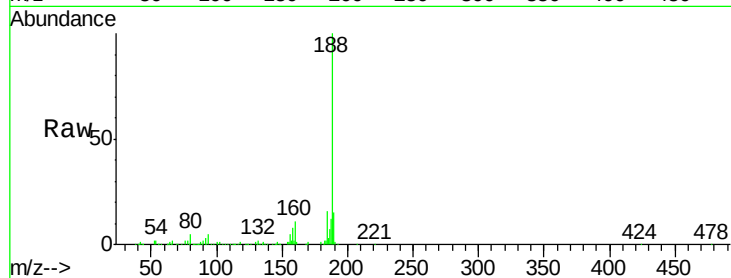




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

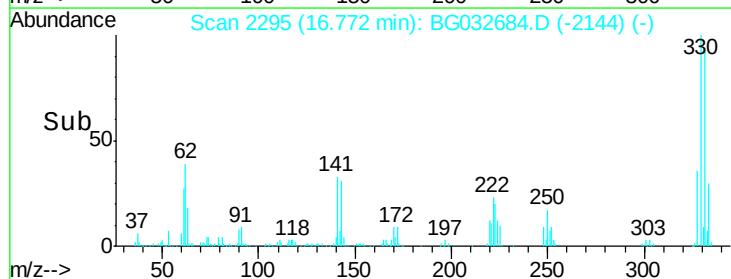
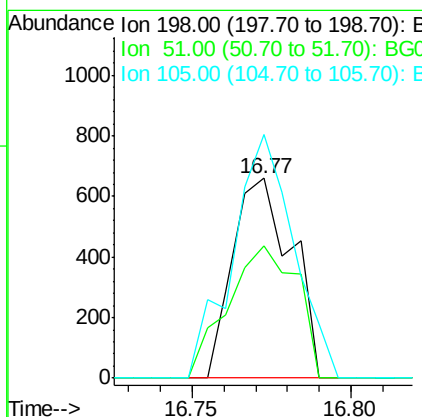
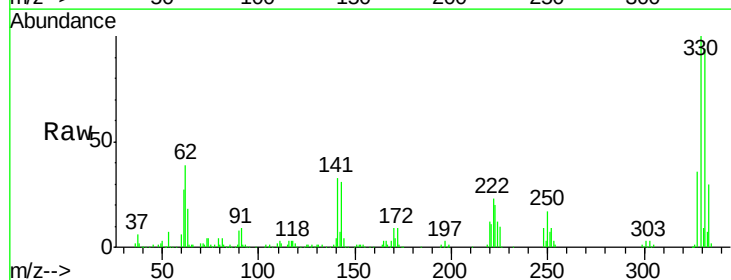
Instrument :
BNA_G
ClientSampleId :

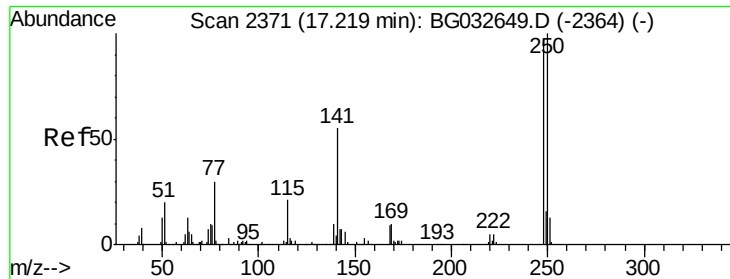
Tot Ion:188 Resp: 272361
Ion Ratio Lower Upper
188 100
94 4.6 6.9 10.3#
80 4.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.41 ng
RT: 16.77 min Scan# 2295
Delta R.T. 0.36 min
Lab File: BG032684.D
Acq: 14 Feb 2018 17:00

Tgt Ion:198 Resp: 851
Ion Ratio Lower Upper
198 100
51 66.0 30.6 70.6
105 122.0 23.8 63.8#

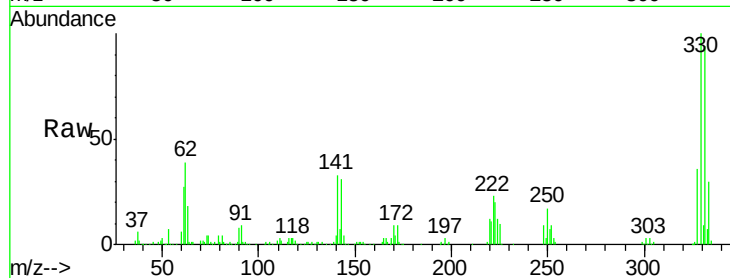




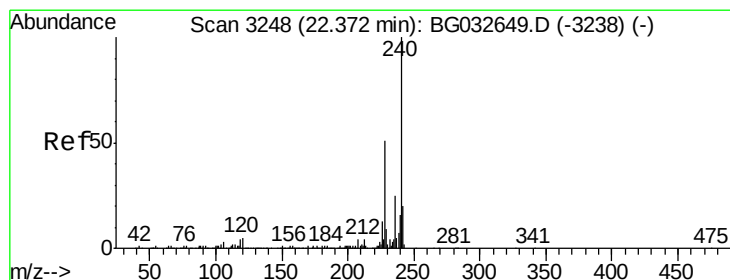
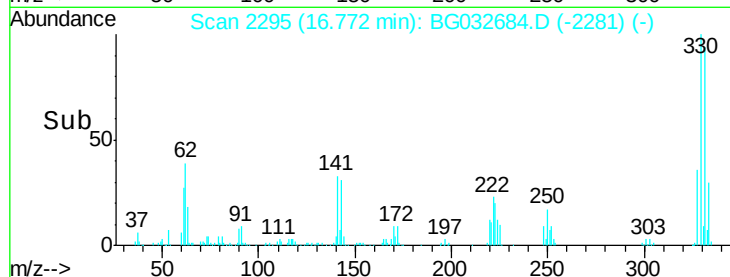
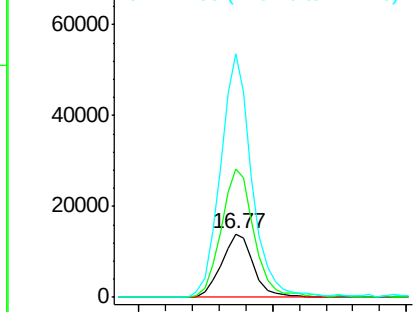
#66
 4-Bromophenyl-phenylether
 Concen: 6.01 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.45 min
 Lab File: BG032684.D
 Acq: 14 Feb 2018 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 23437
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.1 115.7#
 141 382.0 50.8 76.2#

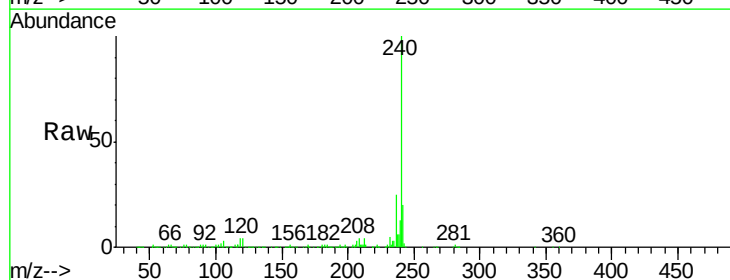


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

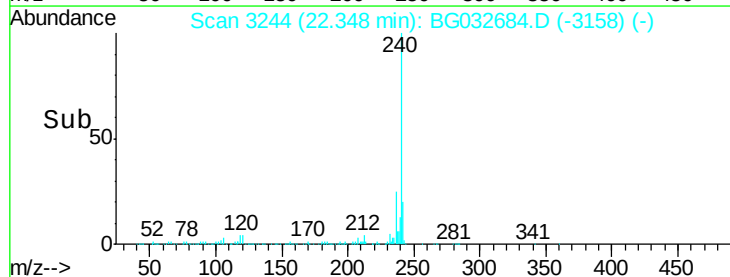
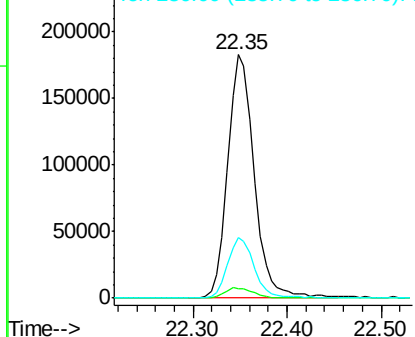


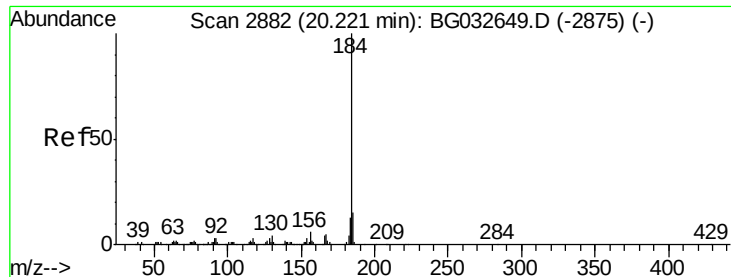
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.35 min Scan# 3244
 Delta R.T. -0.02 min
 Lab File: BG032684.D
 Acq: 14 Feb 2018 17:00

Tgt Ion:240 Resp: 357987
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 25.1 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: 2.73 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

Instrument :

BNA_G

ClientSampleId :

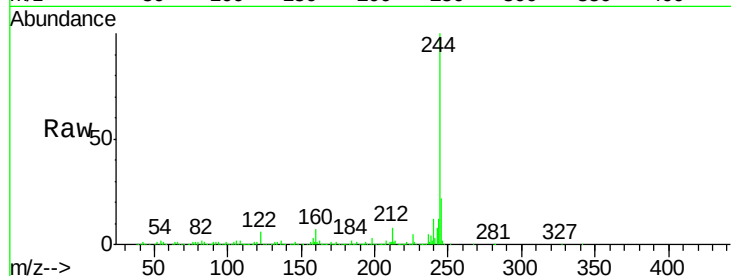
Tot Ion:184 Resp: 22984

Ion Ratio Lower Upper

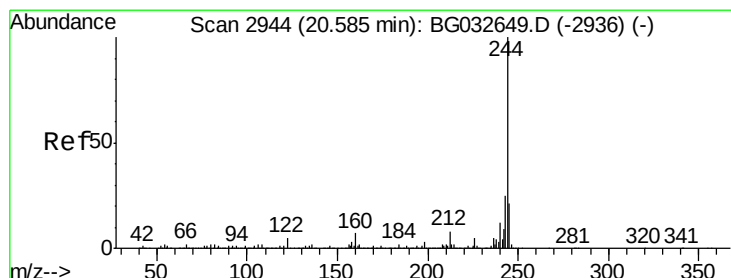
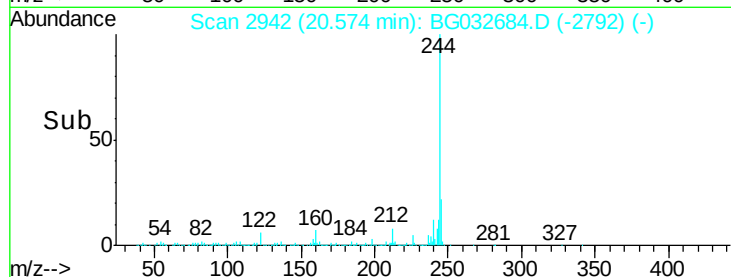
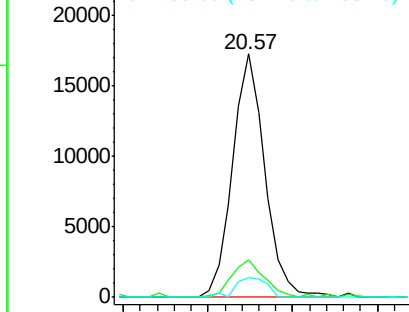
184 100

185 15.2 11.1 16.7

183 8.1 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: 93.26 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032684.D

Acq: 14 Feb 2018 17:00

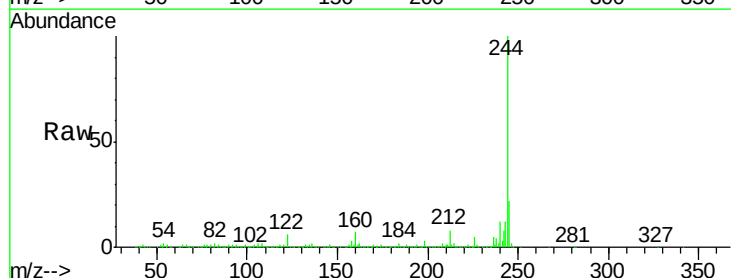
Tgt Ion:244 Resp: 1464752

Ion Ratio Lower Upper

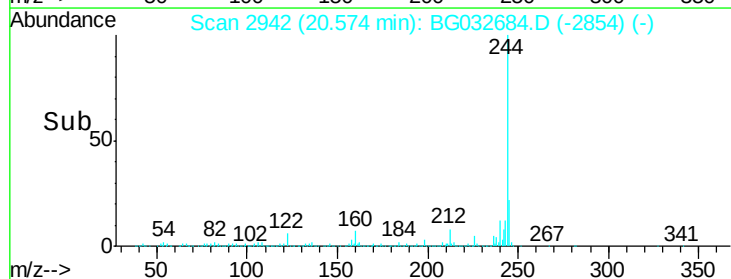
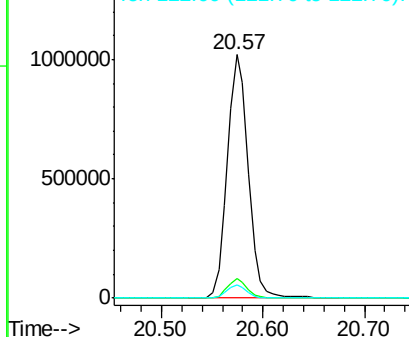
244 100

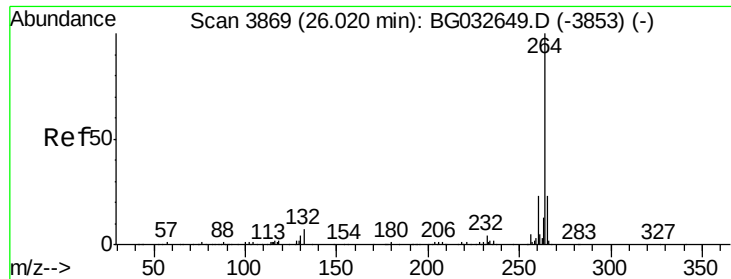
212 8.1 5.8 8.8

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. -0.04 min
 Lab File: BG032684.D
 Acq: 14 Feb 2018 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
369716	264	100		
	260	23.6	17.4	26.0
	265	21.7	17.7	26.5

