

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032734.D
 Acq On : 16 Feb 2018 4:56
 Operator : SJ/JU
 Sample : J1402-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 07:08:26 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

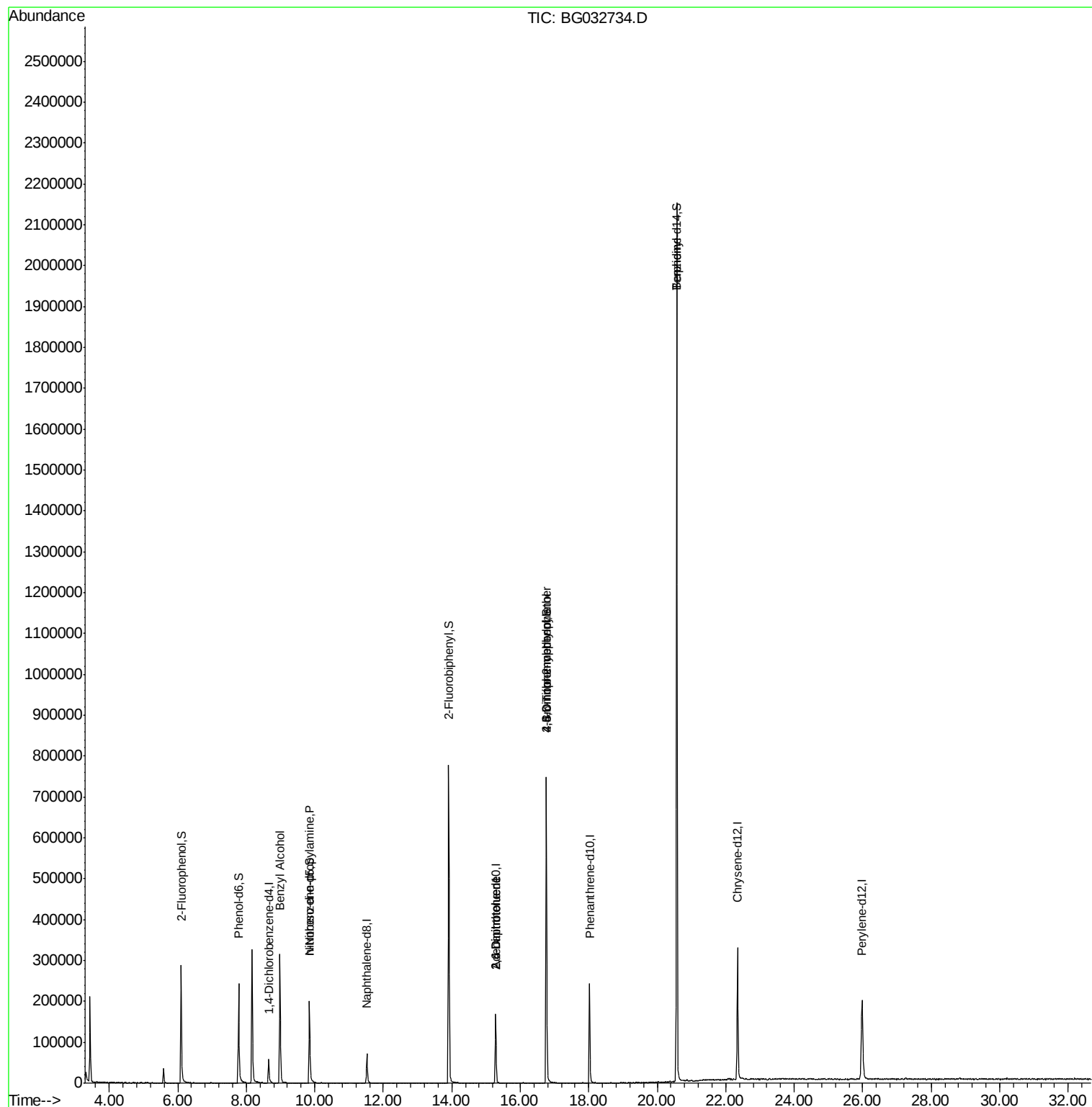
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.65	152	23243	20.00	ng	-0.02
21) Naphthalene-d8	11.52	136	79274	20.00	ng	-0.02
38) Acenaphthene-d10	15.28	164	68066	20.00	ng	-0.02
63) Phenanthrene-d10	18.02	188	189058	20.00	ng	-0.02
75) Chrysene-d12	22.34	240	269040	20.00	ng	-0.03
86) Perylene-d12	25.98	264	280053	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	154730	133.56	ng	-0.02
7) Phenol-d6	7.78	99	163188	103.02	ng	-0.02
23) Nitrobenzene-d5	9.84	82	139771	112.06	ng	-0.03
41) 2,4,6-Tribromophenol	16.77	330	190295	181.57	ng	-0.02
44) 2-Fluorobiphenyl	13.91	172	490323	90.08	ng	-0.02
78) Terphenyl-d14	20.57	244	1199974	101.66	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.97	79	2583	2.18	ng	# 38
19) n-Nitroso-di-n-propylamine	9.84	70	20806	19.54	ng	# 74
50) 2,6-Dinitrotoluene	15.28	165	8466	6.99	ng	# 18
56) 2,4-Dinitrotoluene	15.28	165	8466	5.07	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	345	5.25	ng	# 21
66) 4-Bromophenyl-phenylether	16.77	248	15694	5.80	ng	# 1
76) Benzydine	20.57	184	18304	2.89	ng	# 91

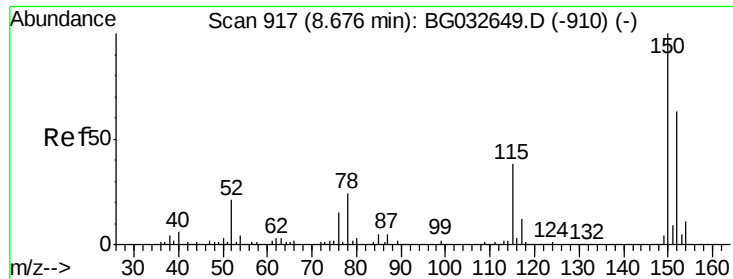
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration

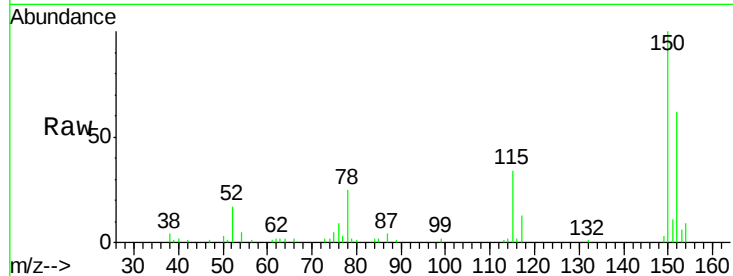




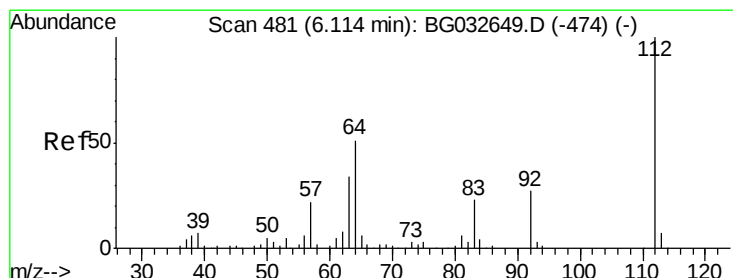
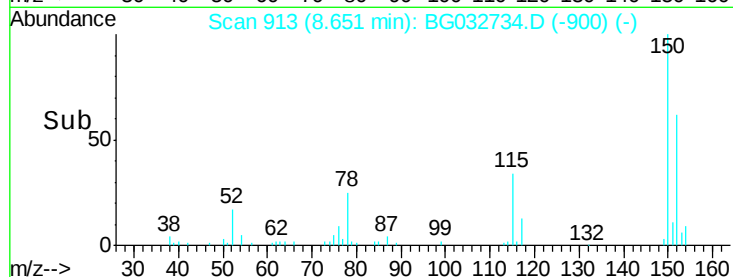
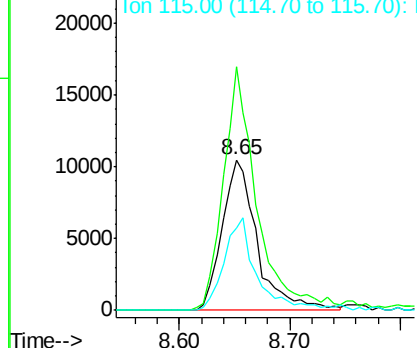
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.65 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 23243
 Ion Ratio Lower Upper
 152 100
 150 162.0 126.6 189.8
 115 54.6 53.0 79.4

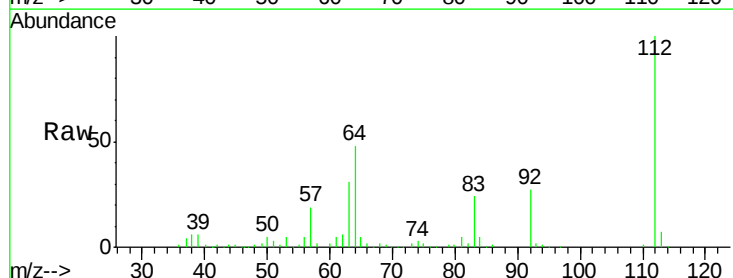


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

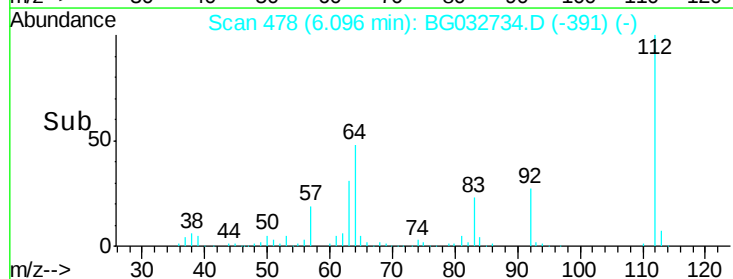
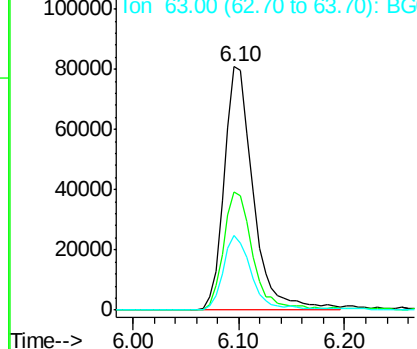


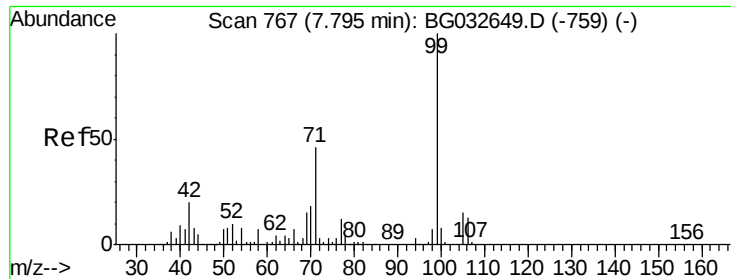
#5
 2-Fluorophenol
 Concen: 133.56 ng
 RT: 6.10 min Scan# 478
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Tgt Ion:112 Resp: 154730
 Ion Ratio Lower Upper
 112 100
 64 48.5 56.3 84.5#
 63 30.8 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: 103.02 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

Instrument :

BNA_G

ClientSampleId :

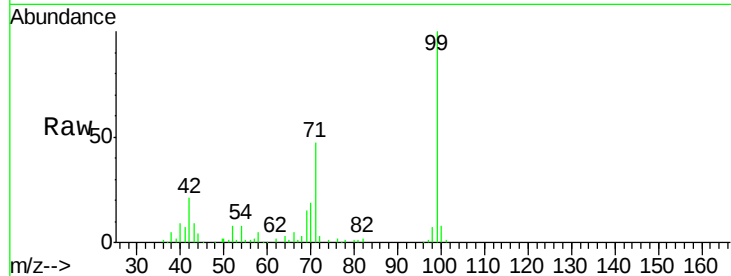
Tot Ion: 99 Resp: 163188

Ion Ratio Lower Upper

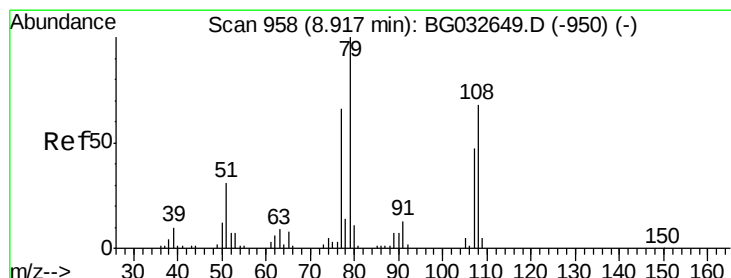
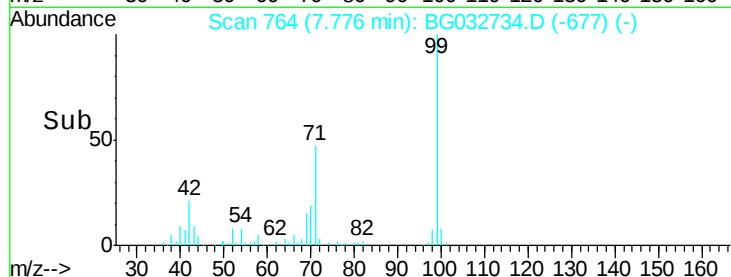
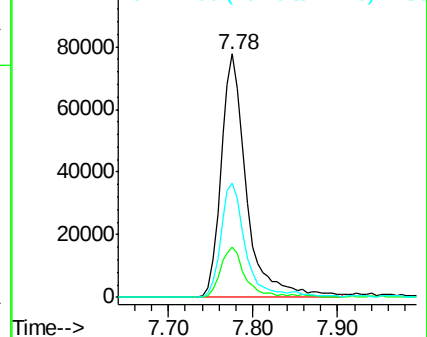
99 100

42 20.8 14.1 21.1

71 47.0 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: 2.18 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.06 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

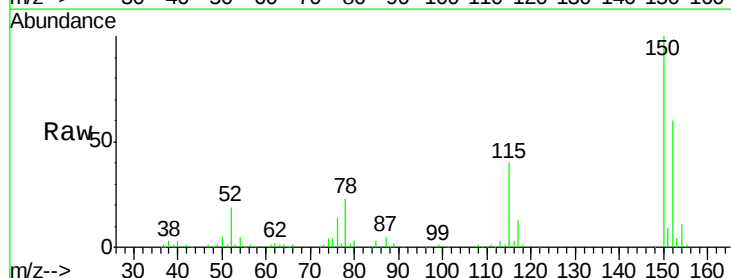
Tgt Ion: 79 Resp: 2583

Ion Ratio Lower Upper

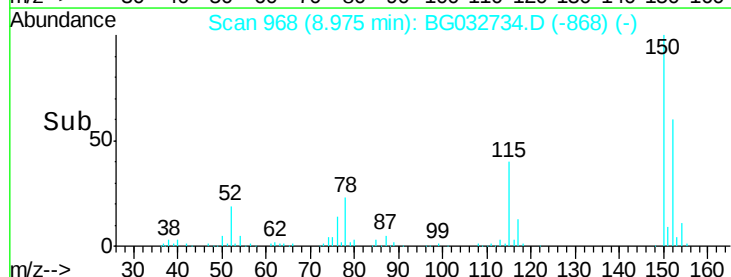
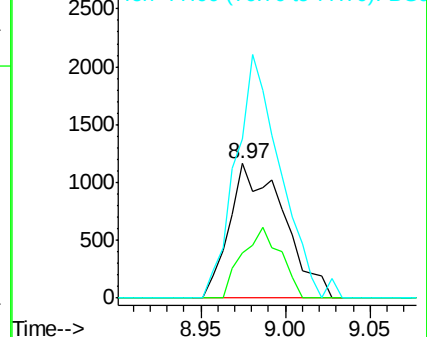
79 100

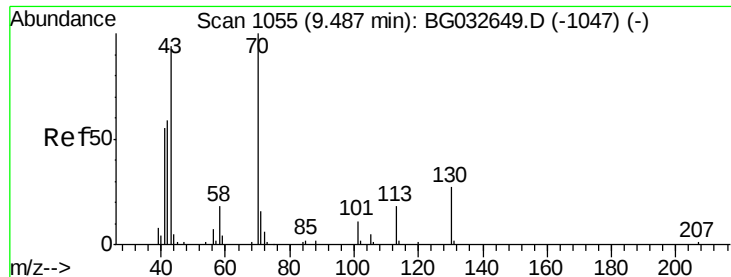
108 33.4 57.2 85.8#

77 118.7 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

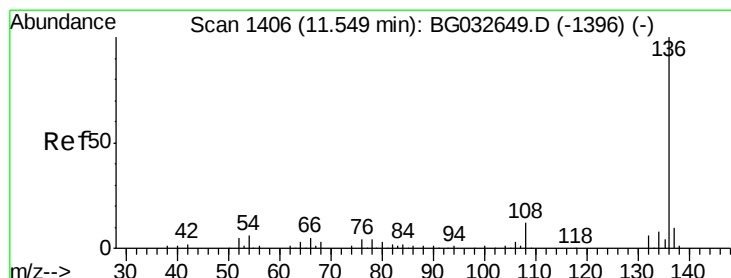
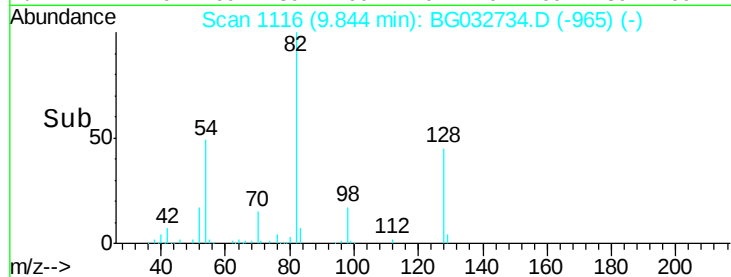
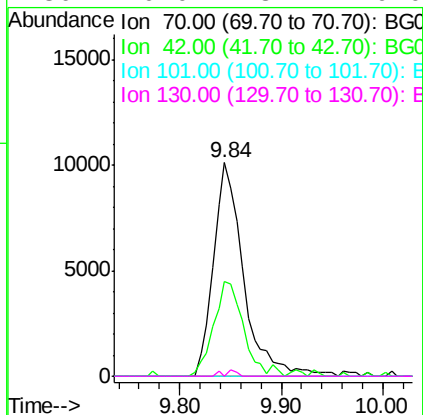
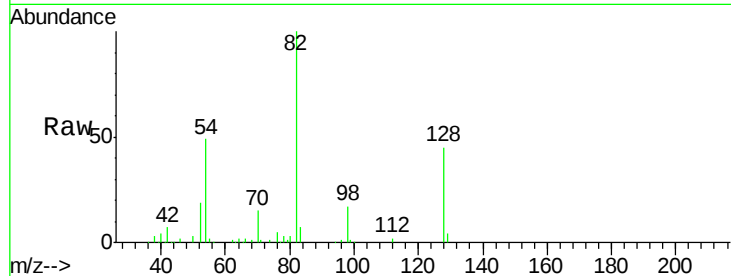




#19
n-Nitroso-di-n-propylamine
Concen: 19.54 ng
RT: 9.84 min Scan# 1116
Delta R.T. 0.36 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

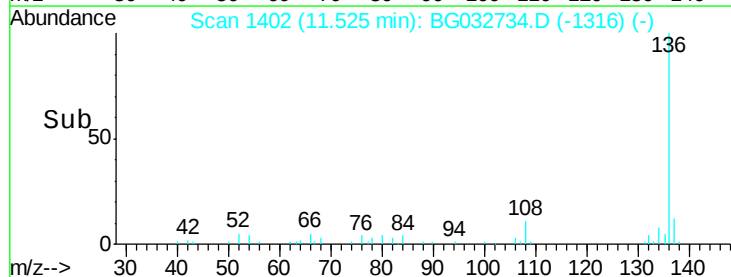
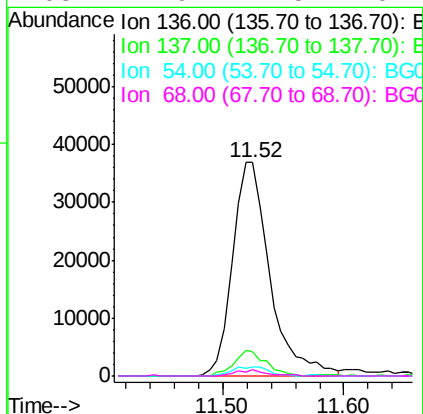
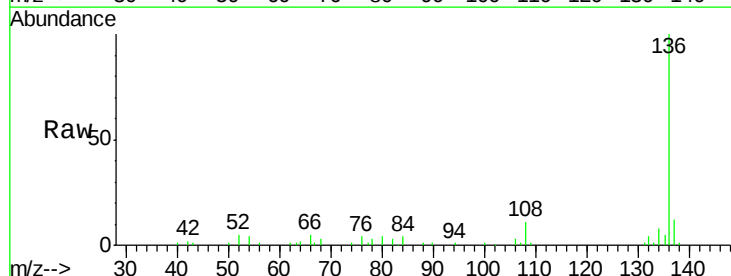
Instrument :
BNA_G
ClientSampleId :

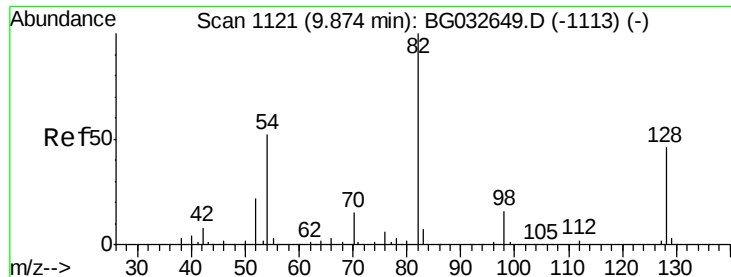
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	44.3	49.1	73.7#	
101	0.0	8.5	12.7#	
130	0.0	13.4	20.0#	



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.52 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.5	9.2	13.8	
54	4.2	10.3	15.5#	
68	2.9	4.5	6.7#	

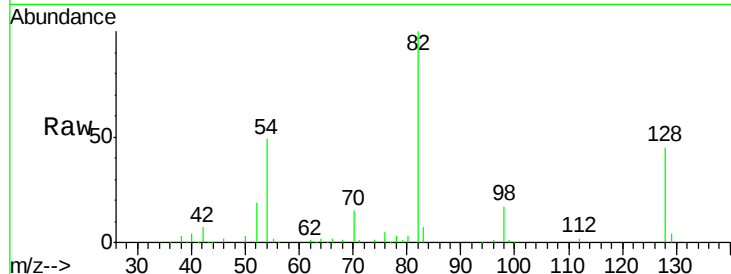




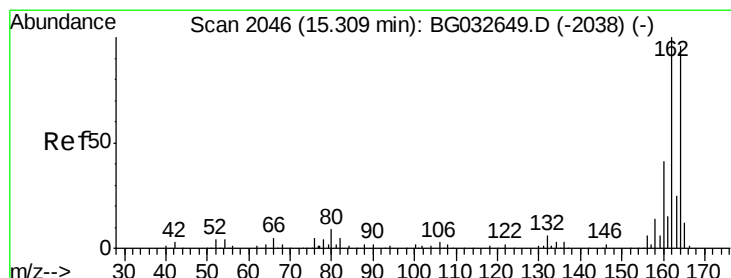
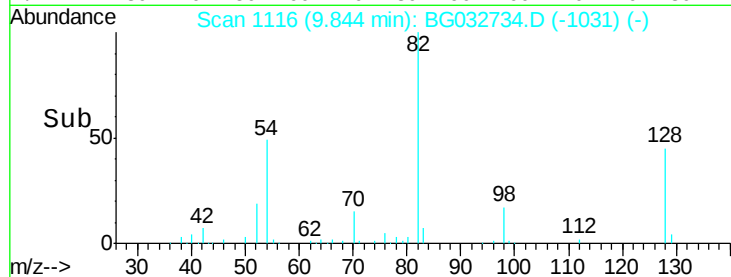
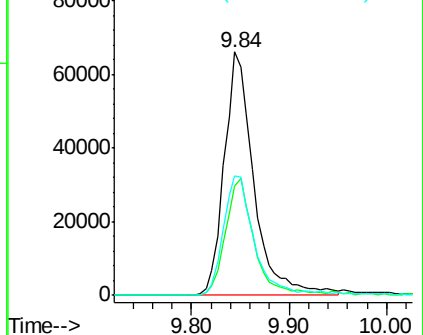
#23
Nitrobenzene-d5
Concen: 112.06 ng
RT: 9.84 min Scan# 1116
Delta R.T. -0.03 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 139771
Ion Ratio Lower Upper
82 100
128 44.7 29.7 44.5#
54 49.1 43.1 64.7

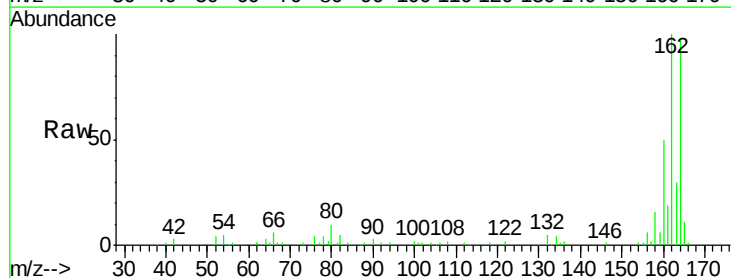


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

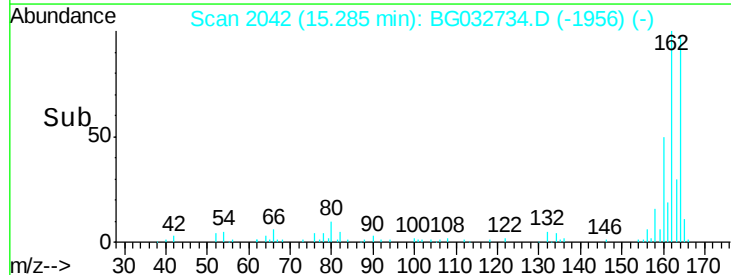
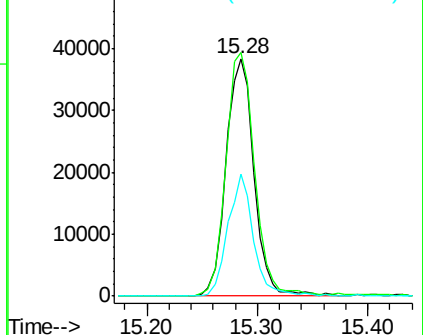


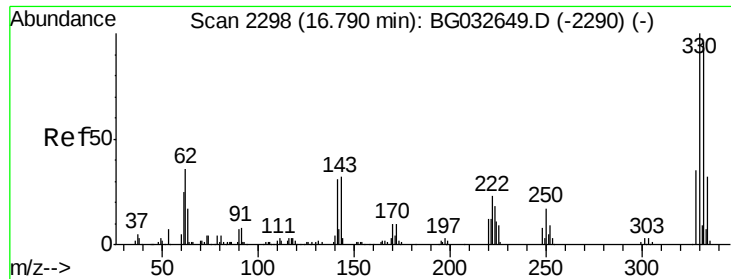
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.28 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:164 Resp: 68066
Ion Ratio Lower Upper
164 100
162 102.7 78.8 118.2
160 51.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

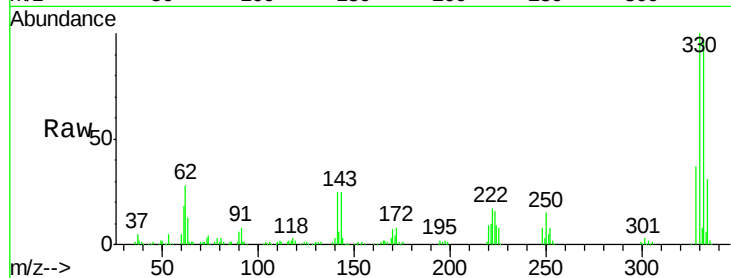




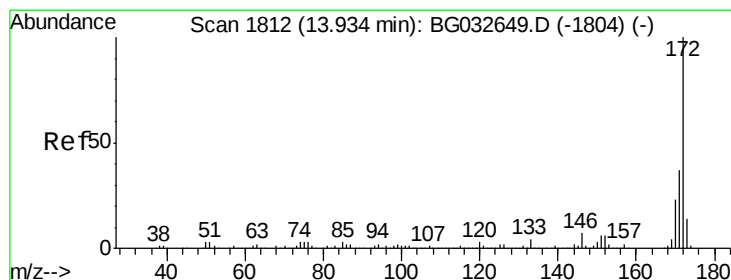
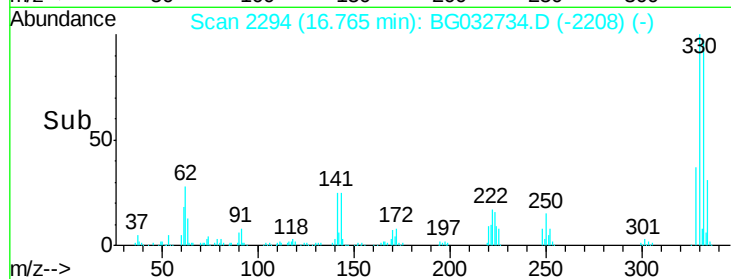
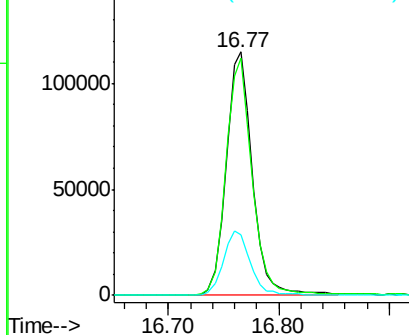
#41
 2,4,6-Tribromophenol
 Concen: 181.57 ng
 RT: 16.77 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	27.5	25.2	37.8

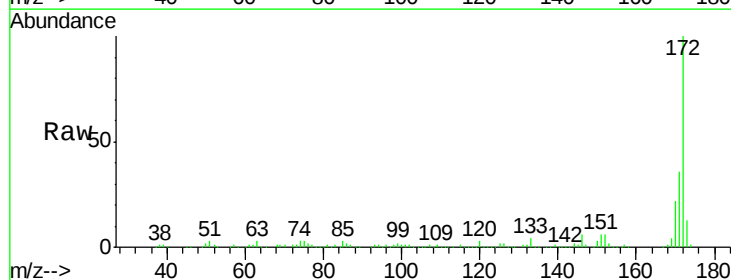


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

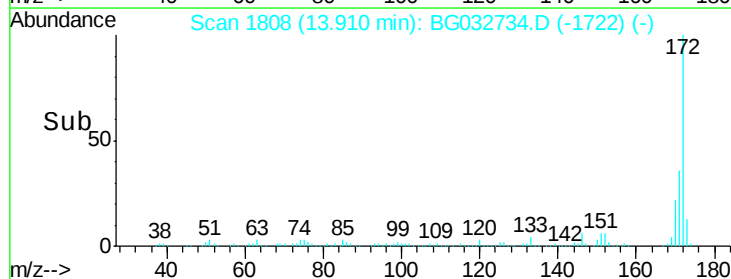
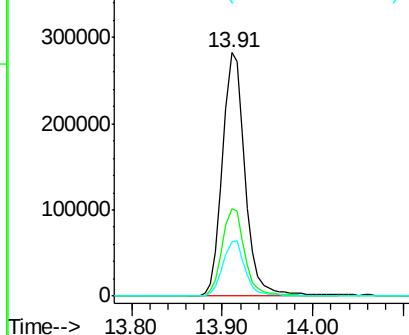


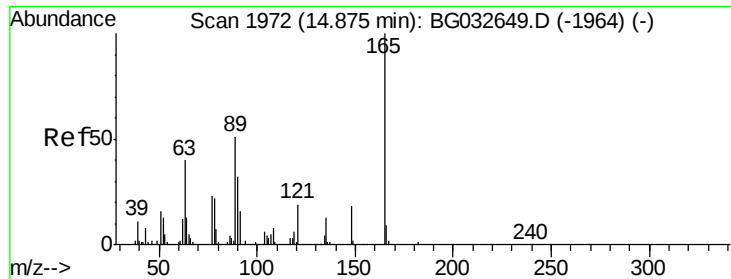
#44
 2-Fluorobiphenyl
 Concen: 90.08 ng
 RT: 13.91 min Scan# 1808
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.0	45.0
170	22.5	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

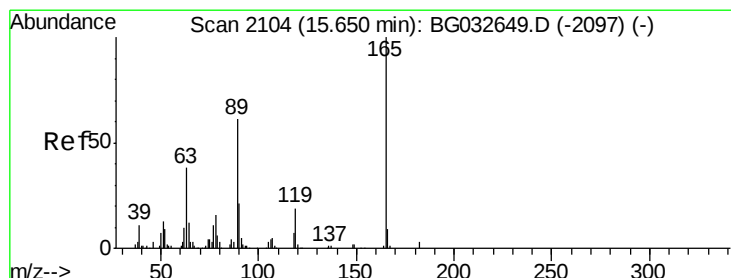
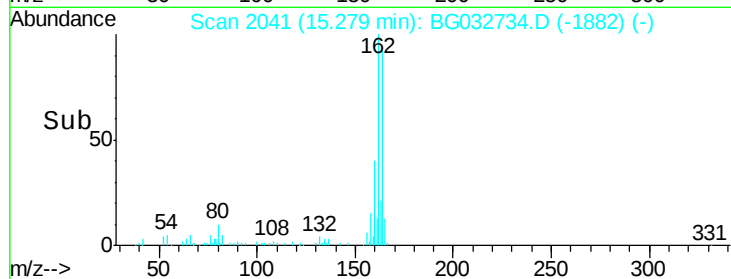
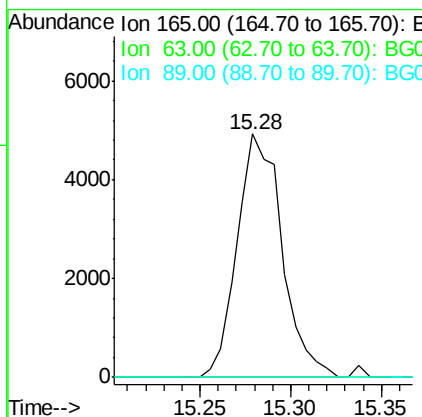
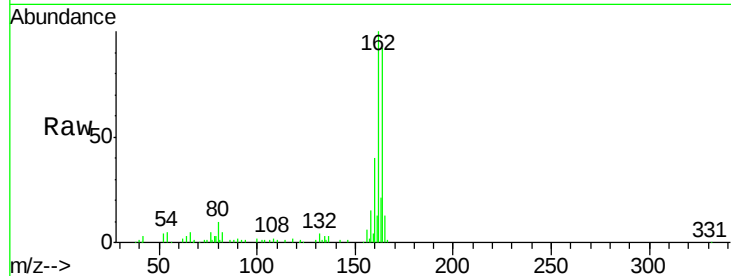




#50
2,6-Dinitrotoluene
Concen: 6.99 ng
RT: 15.28 min Scan# 2041
Delta R.T. 0.40 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

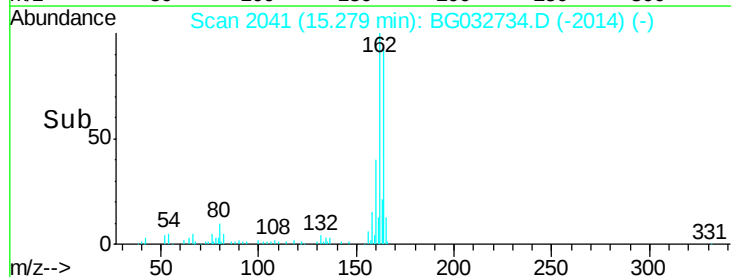
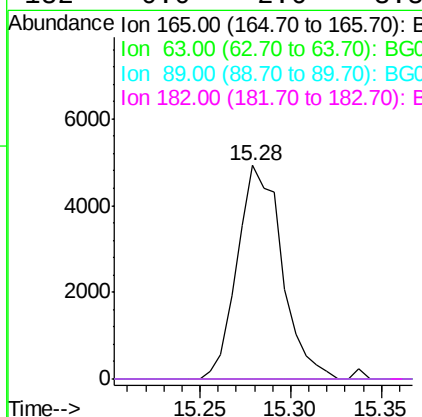
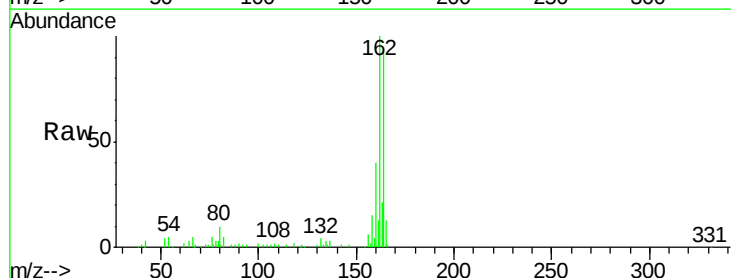
Instrument :
BNA_G
ClientSampleId :

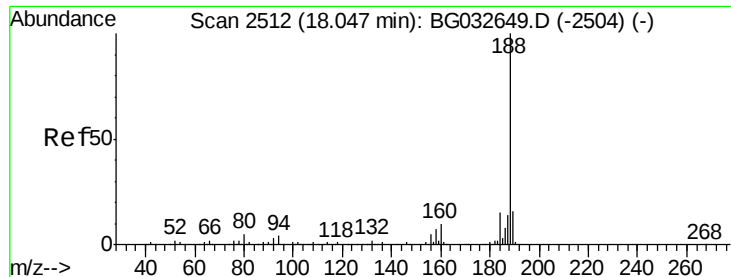
Tot Ion:165 Resp: 8466
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.07 ng
RT: 15.28 min Scan# 2041
Delta R.T. -0.37 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:165 Resp: 8466
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#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.02 min Scan# 2508

Delta R.T. -0.02 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

Instrument :

BNA_G

ClientSampleId :

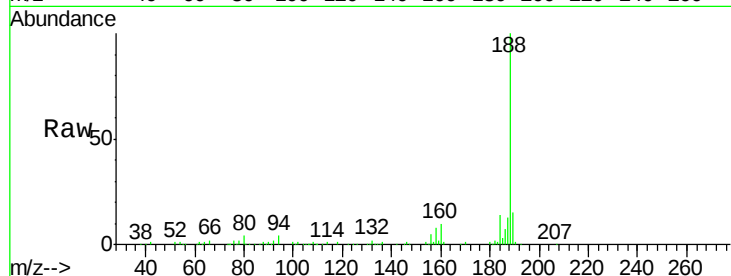
Tot Ion:188 Resp: 189058

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

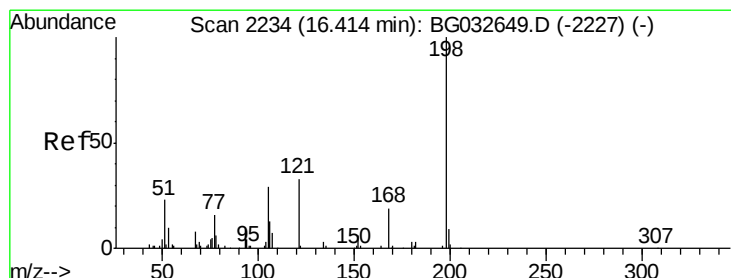
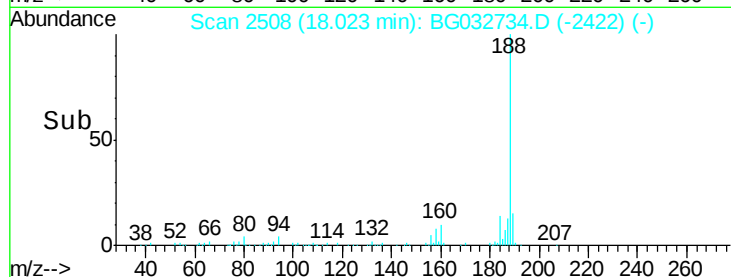
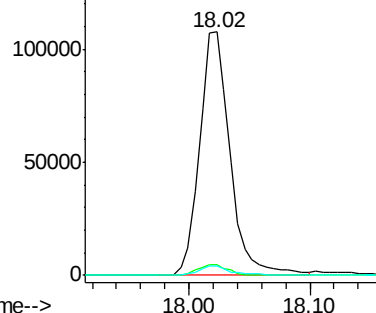
80 3.9 7.7 11.5#



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: 5.25 ng

RT: 16.77 min Scan# 2294

Delta R.T. 0.35 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

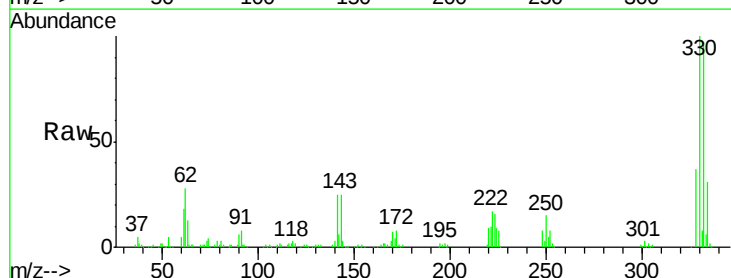
Tgt Ion:198 Resp: 345

Ion Ratio Lower Upper

198 100

51 66.9 30.6 70.6

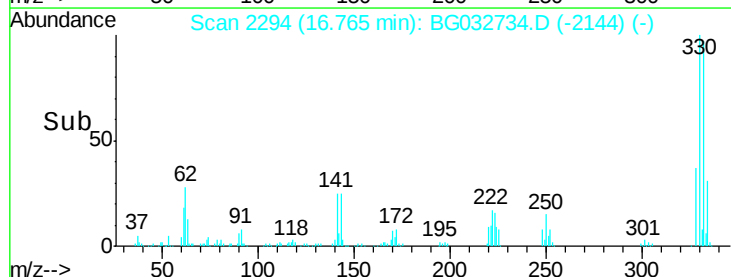
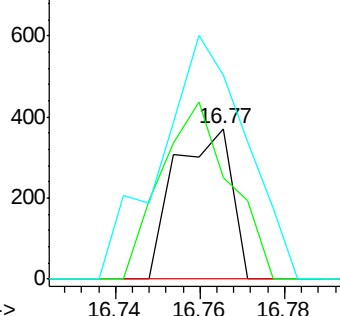
105 135.5 23.8 63.8#

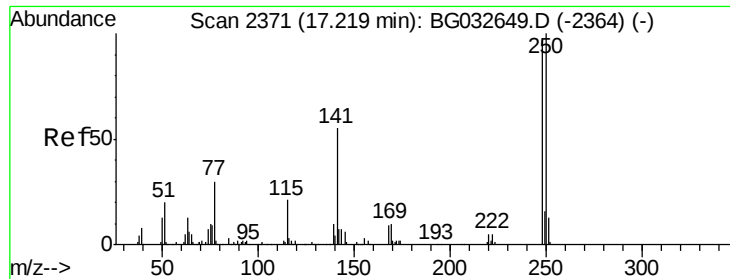


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

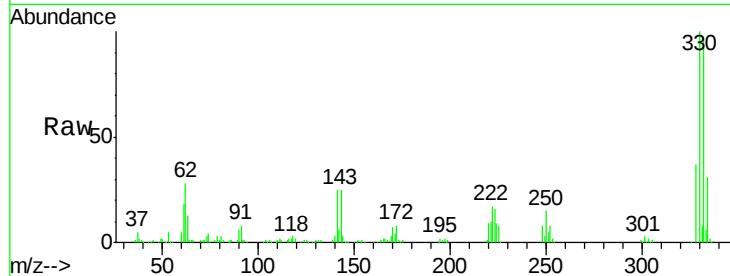




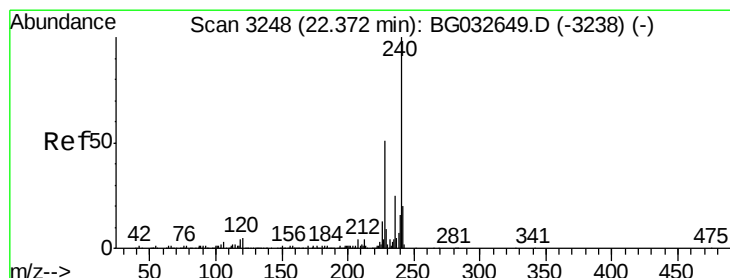
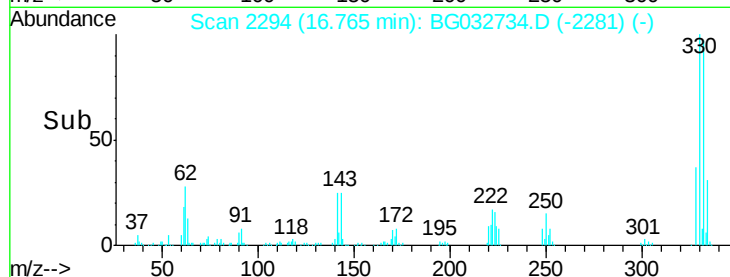
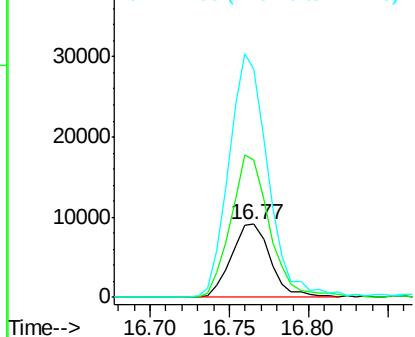
#66
4-Bromophenyl-phenylether
Concen: 5.80 ng
RT: 16.77 min Scan# 2294
Delta R.T. -0.45 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15694
Ion Ratio Lower Upper
248 100
250 188.8 77.1 115.7#
141 313.5 50.8 76.2#

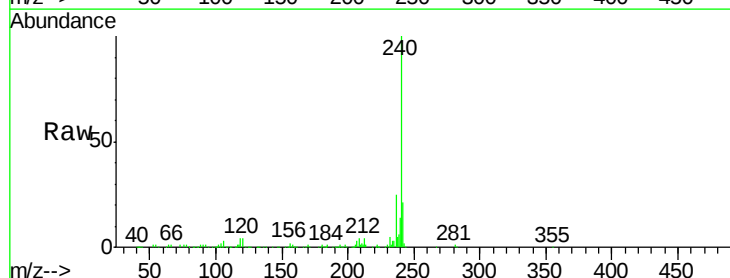


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

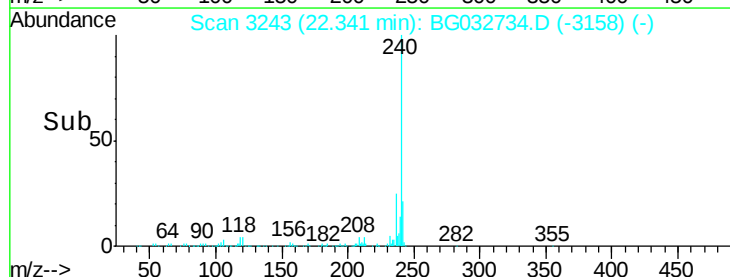
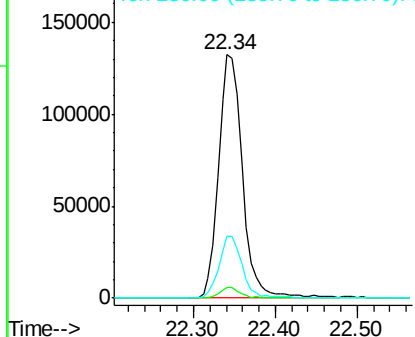


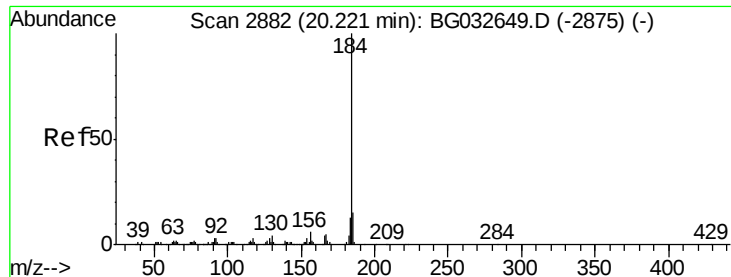
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.34 min Scan# 3243
Delta R.T. -0.03 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:240 Resp: 269040
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: 2.89 ng

RT: 20.57 min Scan# 2941

Delta R.T. 0.35 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

Instrument :

BNA_G

ClientSampleId :

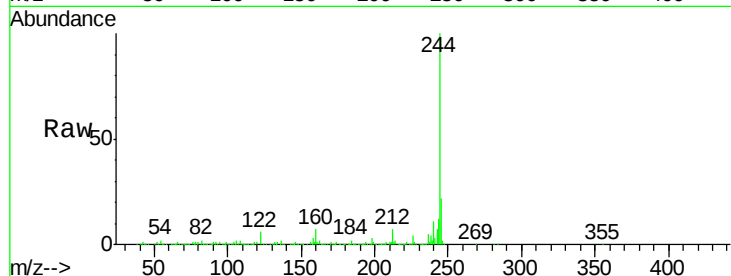
Tot Ion:184 Resp: 18304

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

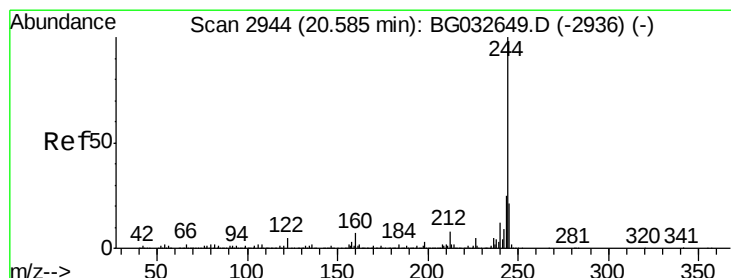
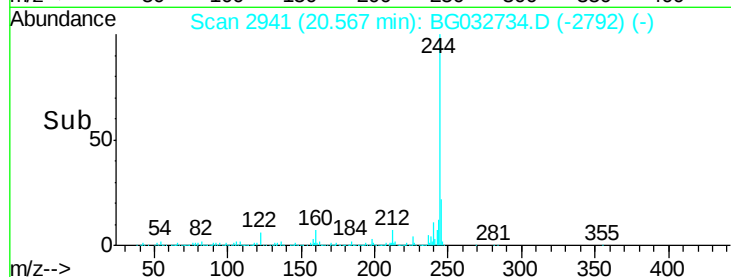
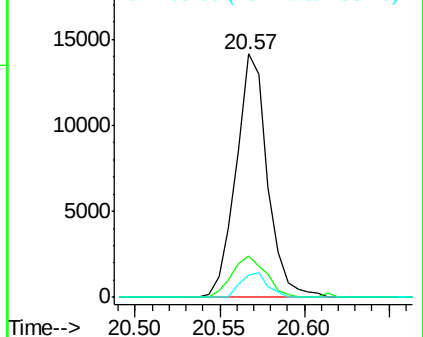
183 9.1 10.6 16.0#



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: 101.66 ng

RT: 20.57 min Scan# 2941

Delta R.T. -0.02 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

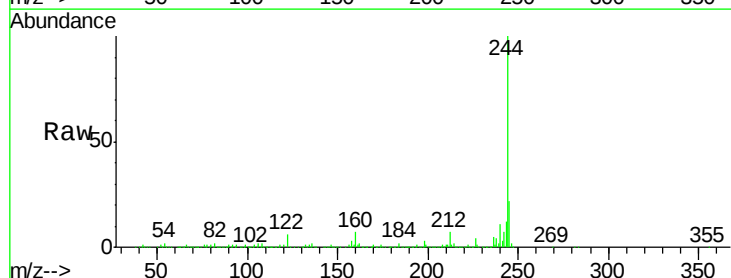
Tgt Ion:244 Resp: 1199974

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

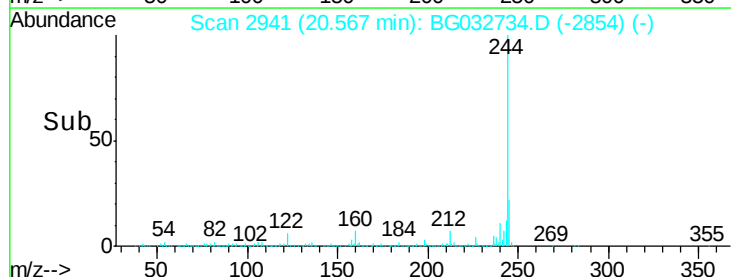
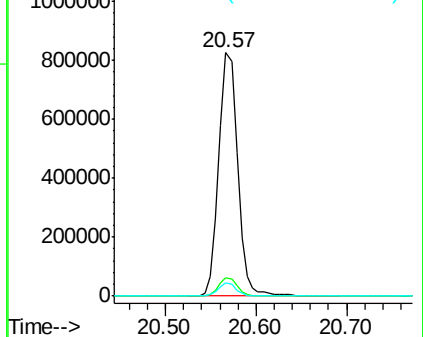
122 5.6 7.0 10.4#

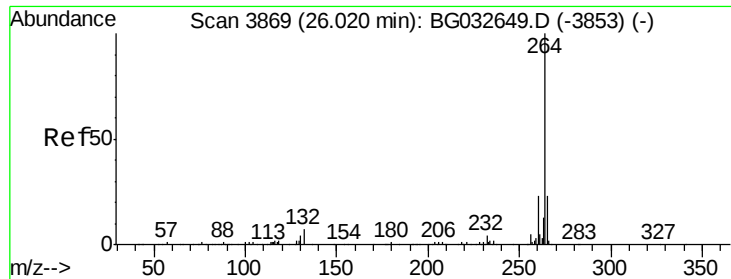


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.98 min Scan# 3862
 Delta R.T. -0.04 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	21.5	17.7	26.5

