

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032731.D
 Acq On : 16 Feb 2018 2:05
 Operator : SJ/JU
 Sample : PB106582TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 03:10:08 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

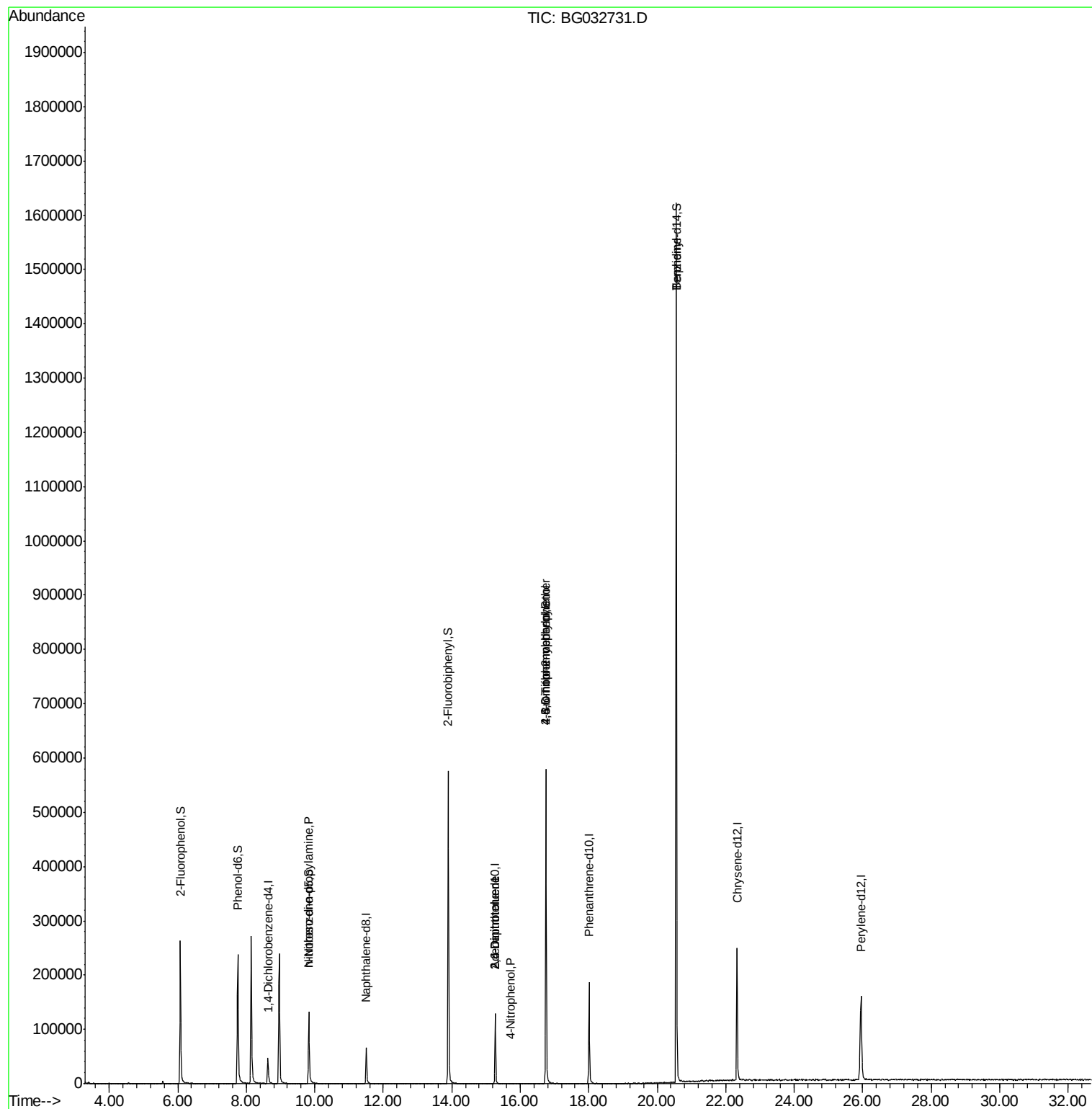
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	20027	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	74852	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	51970	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	144652	20.00	ng	-0.04
75) Chrysene-d12	22.32	240	202973	20.00	ng	-0.05
86) Perylene-d12	25.94	264	229154	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	140241	140.50	ng	-0.04
7) Phenol-d6	7.75	99	160601	117.66	ng	-0.04
23) Nitrobenzene-d5	9.83	82	99592	84.56	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	152837	190.99	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	372132	89.54	ng	-0.04
78) Terphenyl-d14	20.56	244	891355	100.09	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.82	70	13573	14.79	ng	# 78
50) 2,6-Dinitrotoluene	15.27	165	6519	7.05	ng	# 18
55) 4-Nitrophenol	15.72	139	54	5.57	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	6519	5.11	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.75	198	260	5.24	ng	# 74
66) 4-Bromophenyl-phenylether	16.75	248	11622	5.61	ng	# 1
76) Benzidine	20.56	184	12852	2.69	ng	# 92

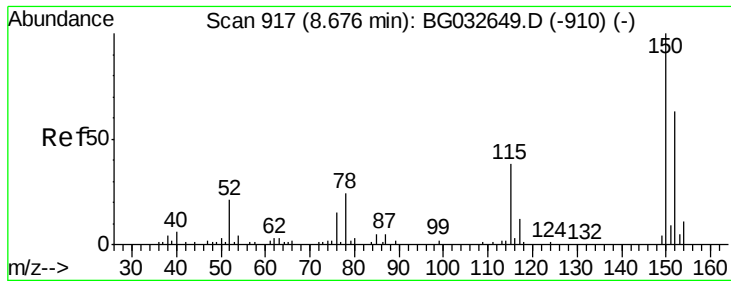
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.05 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Instrument :

BNA_G

ClientSampleId :

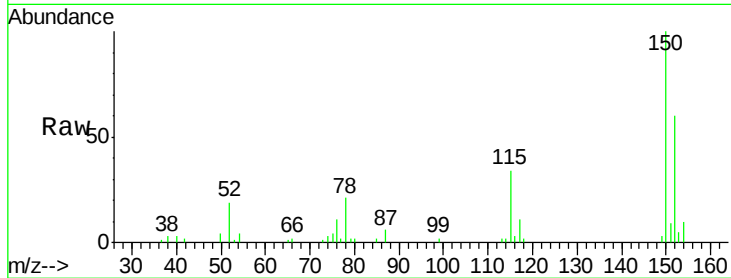
Tot Ion:152 Resp: 20027

Ion Ratio Lower Upper

152 100

150 165.3 126.6 189.8

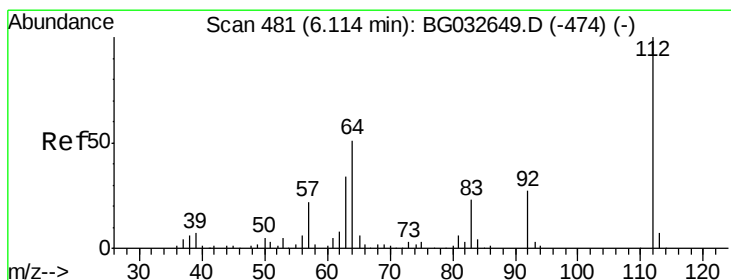
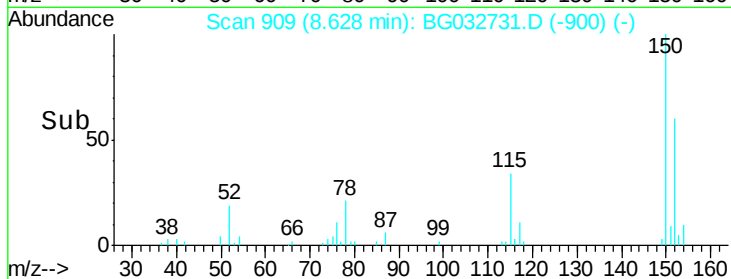
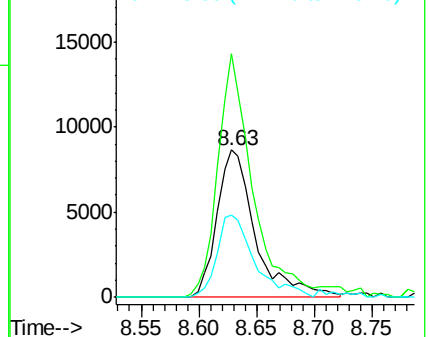
115 55.6 53.0 79.4



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: 140.50 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

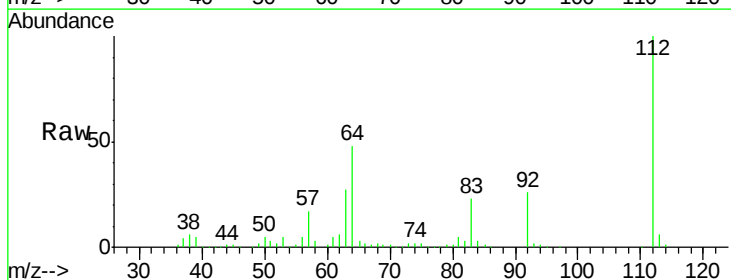
Tgt Ion:112 Resp: 140241

Ion Ratio Lower Upper

112 100

64 48.2 56.3 84.5#

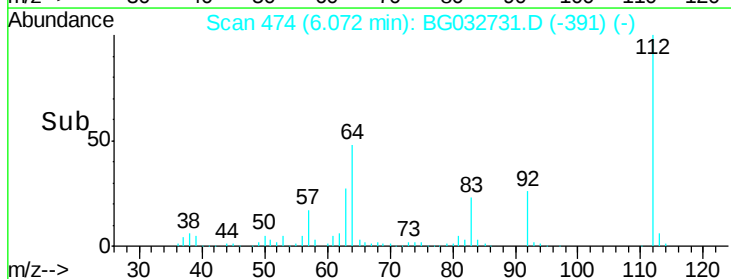
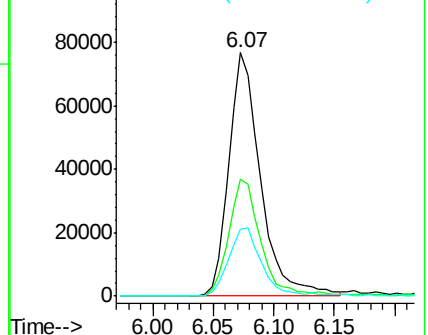
63 27.3 30.1 45.1#

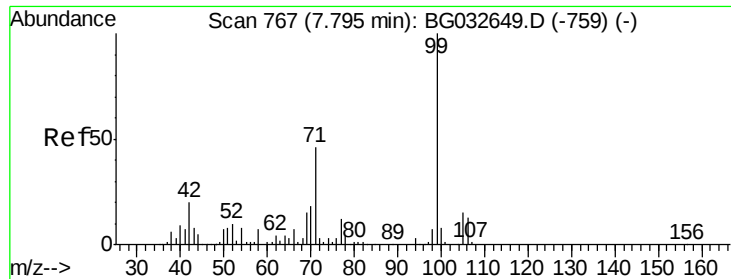


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 117.66 ng

RT: 7.75 min Scan# 760

Delta R.T. -0.04 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Instrument :

BNA_G

ClientSampled :

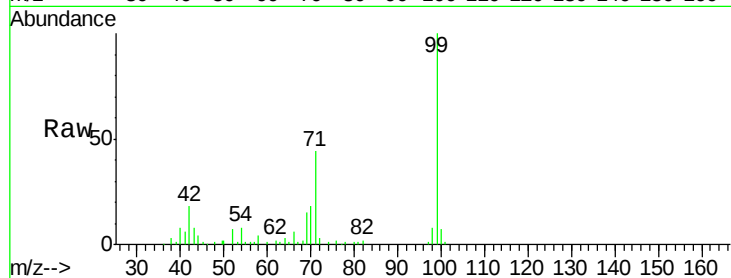
Tot Ion: 99 Resp: 160601

Ion Ratio Lower Upper

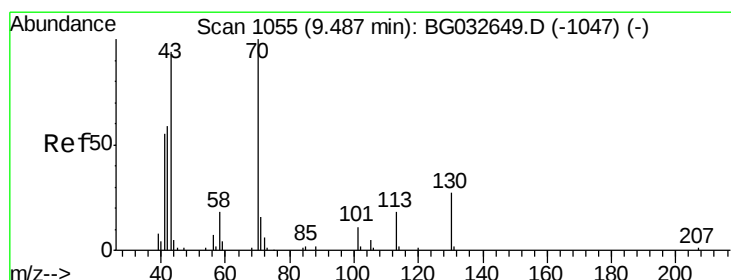
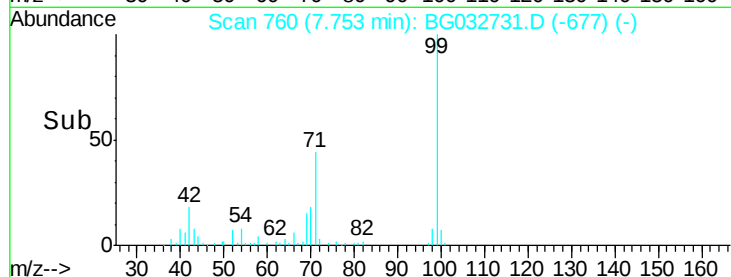
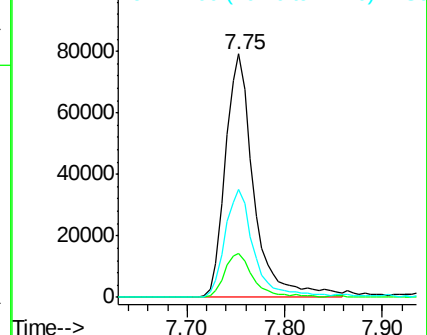
99 100

42 18.0 14.1 21.1

71 44.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.79 ng

RT: 9.82 min Scan# 1112

Delta R.T. 0.33 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Tgt Ion: 70 Resp: 13573

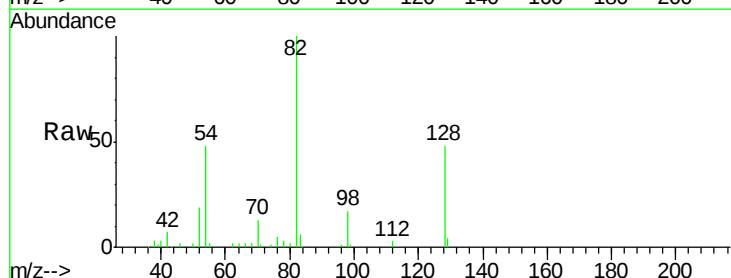
Ion Ratio Lower Upper

70 100

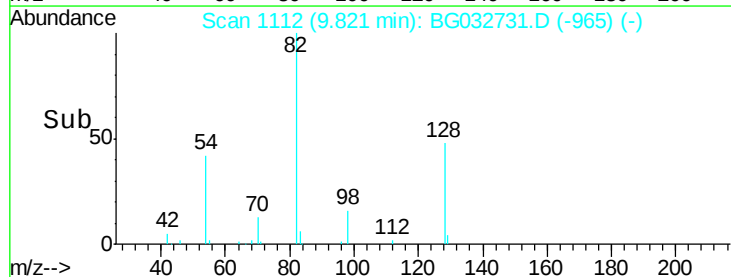
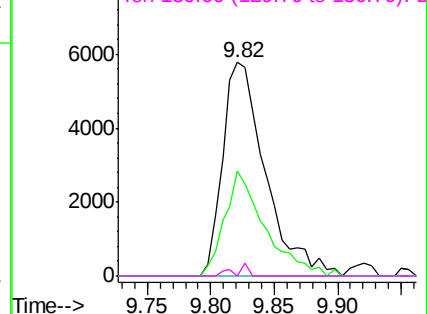
42 49.1 49.1 73.7#

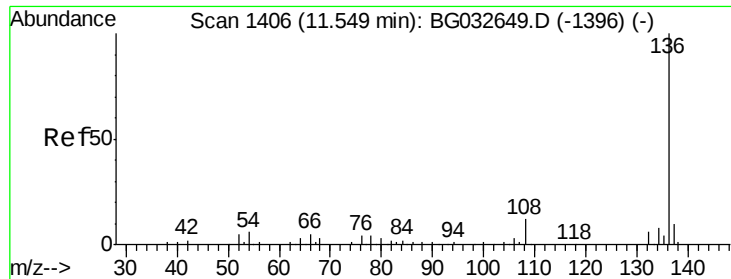
101 0.0 8.5 12.7#

130 0.0 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

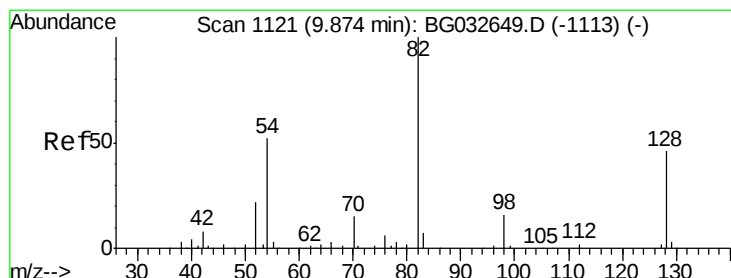
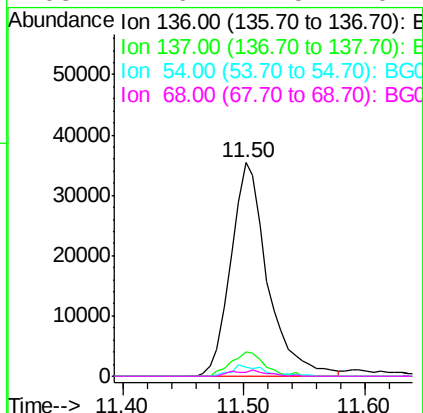
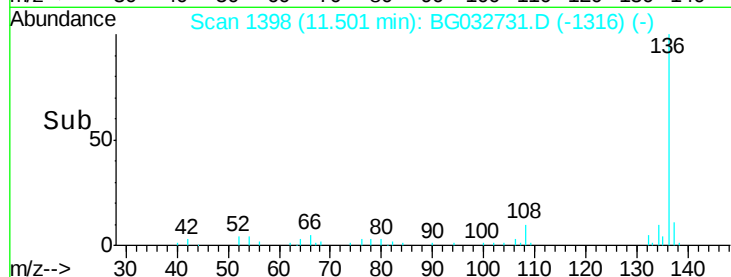
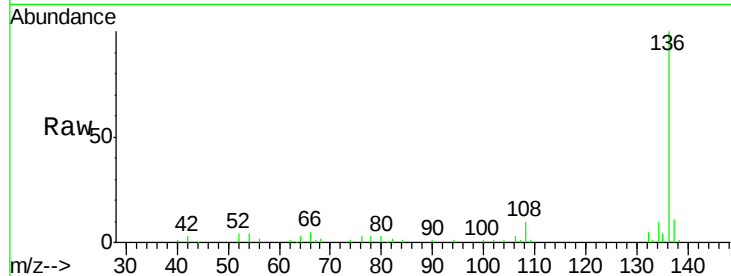




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

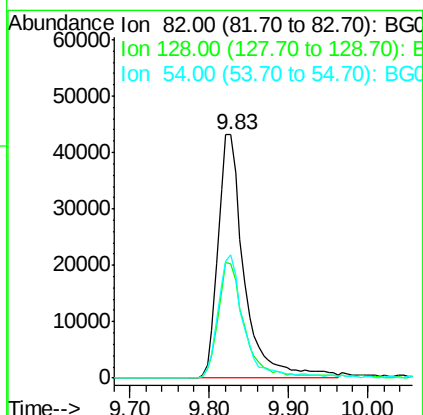
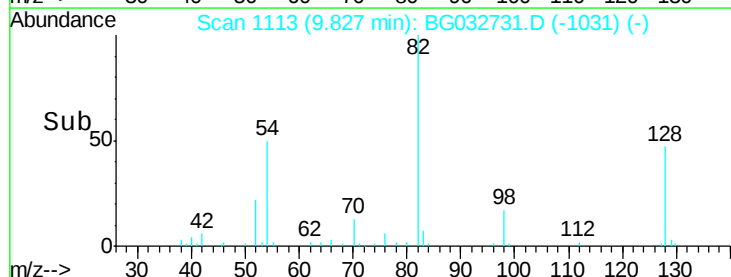
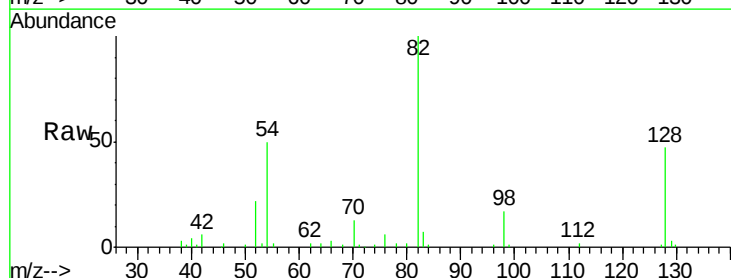
Instrument :
BNA_G
ClientSampleId :

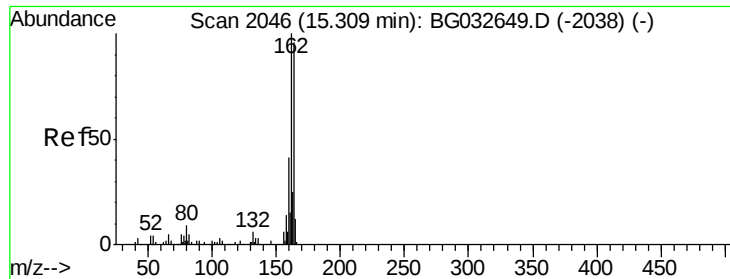
Tot Ion:136	Resp:	74852
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	4.4	10.3 15.5#
68	1.6	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 84.56 ng
RT: 9.83 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

Tgt Ion: 82	Resp:	99592
Ion Ratio	Lower	Upper
82	100	
128	47.0	29.7 44.5#
54	50.4	43.1 64.7

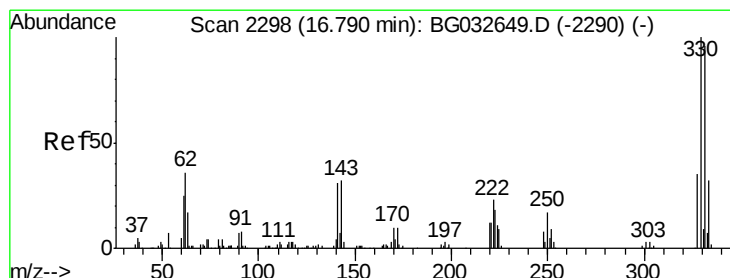
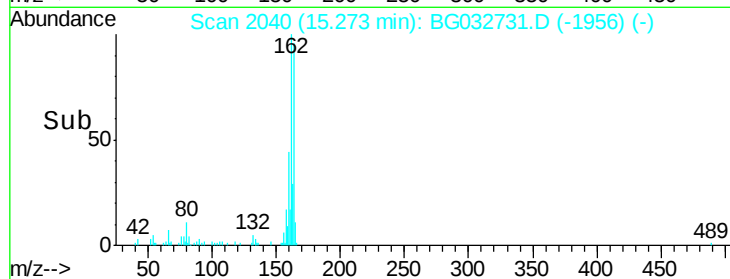
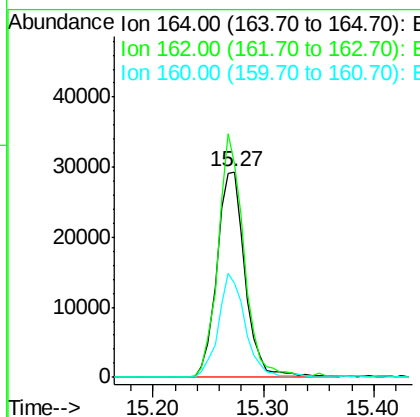
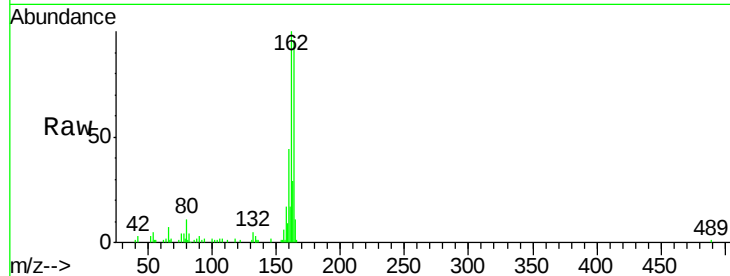




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.27 min Scan# 2040
Delta R.T. -0.04 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

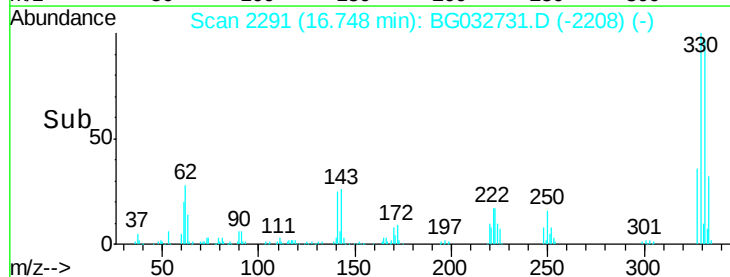
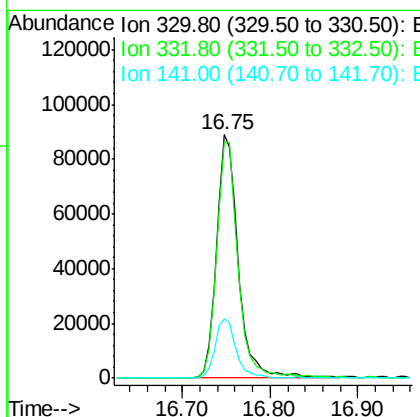
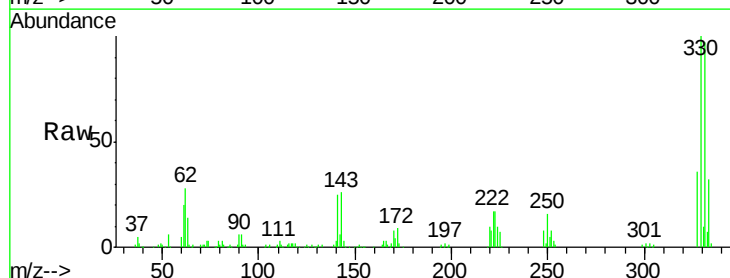
Instrument :
BNA_G
ClientSampleId :

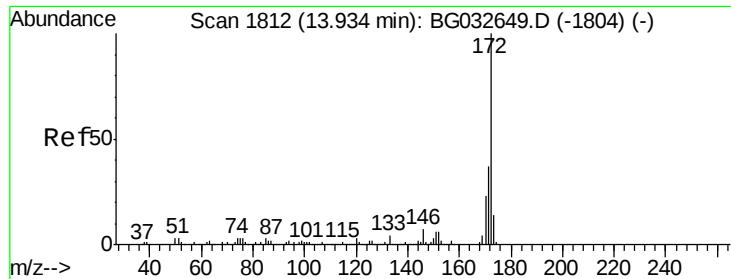
Tot Ion:164 Resp: 51970
Ion Ratio Lower Upper
164 100
162 103.7 78.8 118.2
160 45.9 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 190.99 ng
RT: 16.75 min Scan# 2291
Delta R.T. -0.04 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

Tgt Ion:330 Resp: 152837
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 23.8 25.2 37.8#

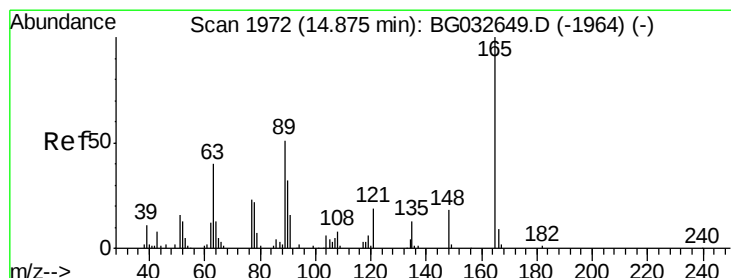
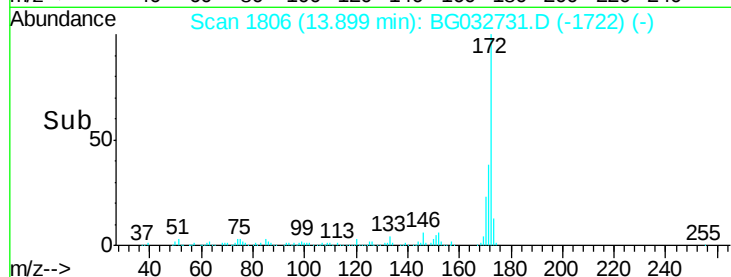
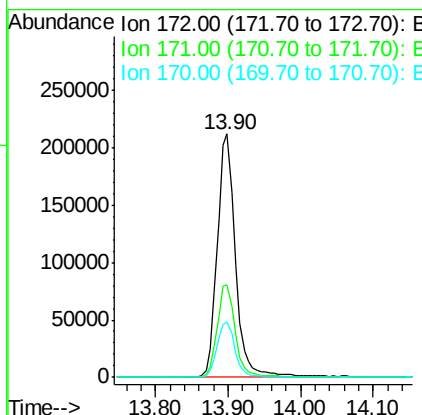
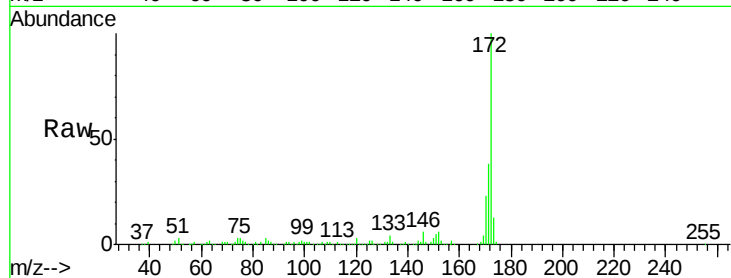




#44
 2-Fluorobiphenyl
 Concen: 89.54 ng
 RT: 13.90 min Scan# 1806
 Delta R.T. -0.04 min
 Lab File: BG032731.D
 Acq: 16 Feb 2018 2:05

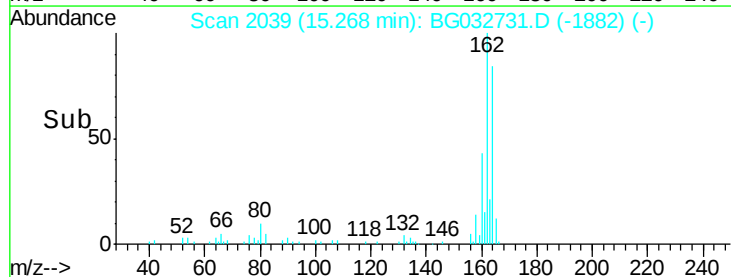
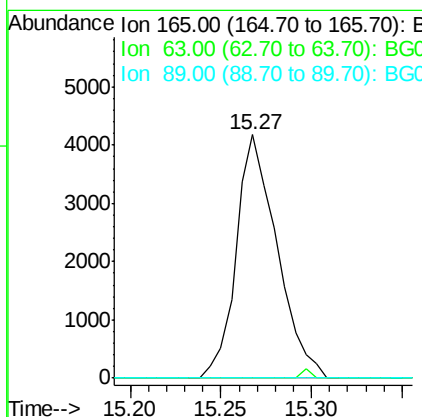
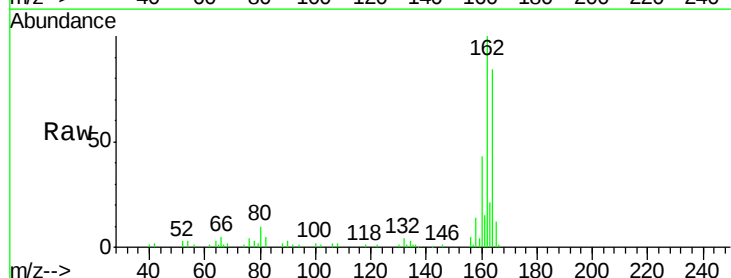
Instrument :
 BNA_G
 ClientSampleId :

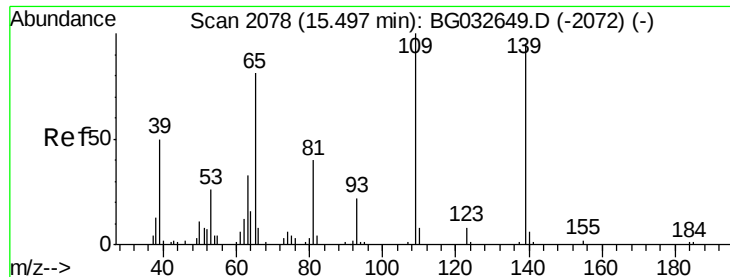
Tot Ion:172 Resp: 372132
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 22.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.05 ng
 RT: 15.27 min Scan# 2039
 Delta R.T. 0.39 min
 Lab File: BG032731.D
 Acq: 16 Feb 2018 2:05

Tgt Ion:165 Resp: 6519
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 5.57 ng

RT: 15.72 min Scan# 2116

Delta R.T. 0.22 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

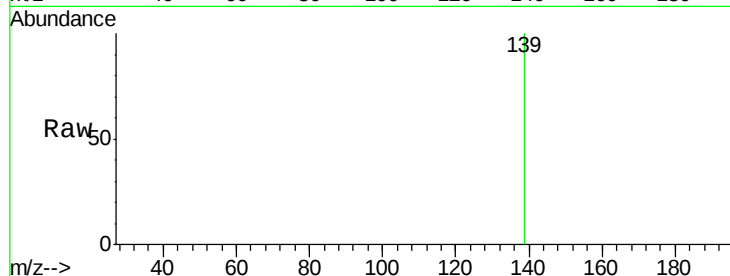
Instrument :

BNA_G

ClientSampleId :

Tot Ion:139 Resp: 54

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

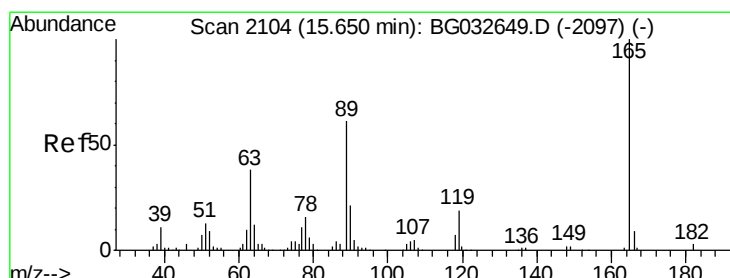
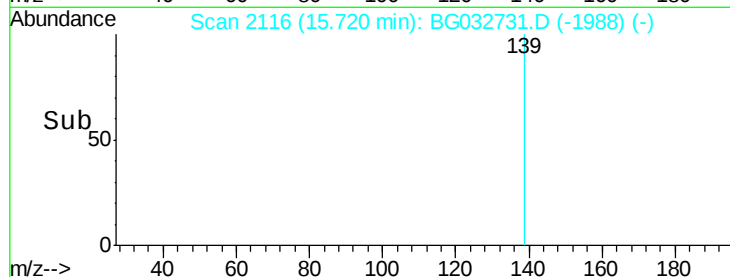
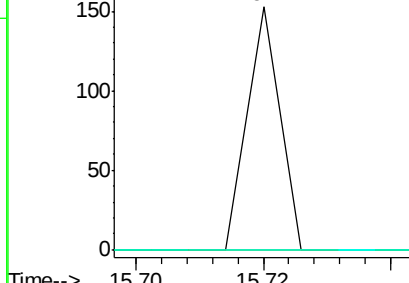


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.72



#56

2,4-Dinitrotoluene

Concen: 5.11 ng

RT: 15.27 min Scan# 2039

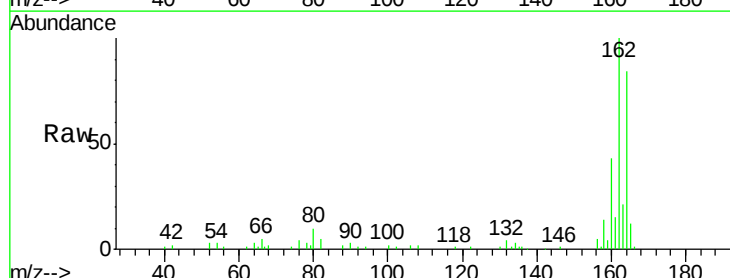
Delta R.T. -0.38 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Tgt Ion:165 Resp: 6519

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#



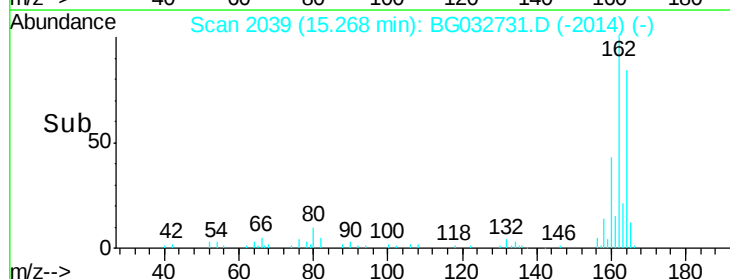
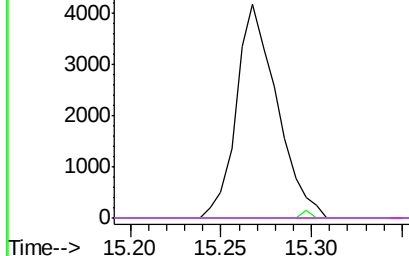
Abundance Ion 165.00 (164.70 to 165.70): E

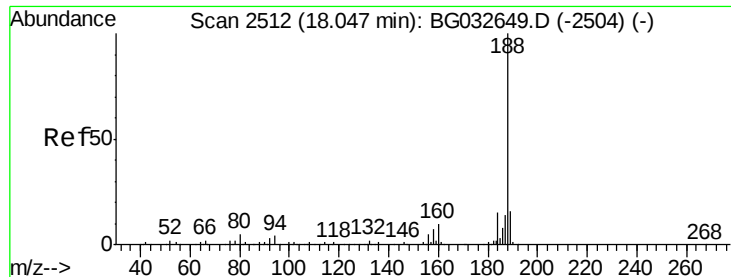
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.27





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.01 min Scan# 2506

Delta R.T. -0.04 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Instrument :

BNA_G

ClientSampleId :

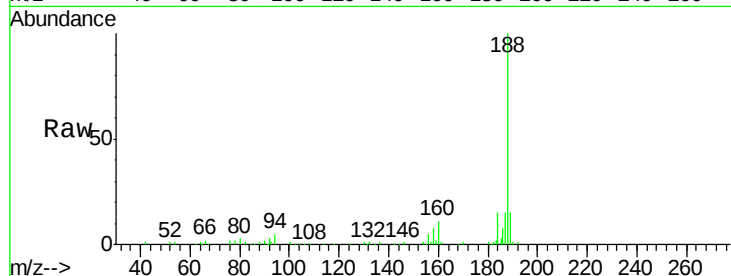
Tot Ion:188 Resp: 144652

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

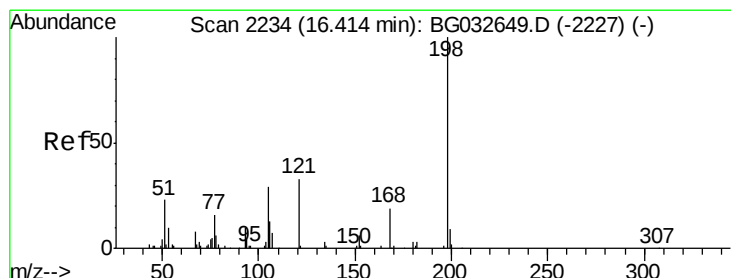
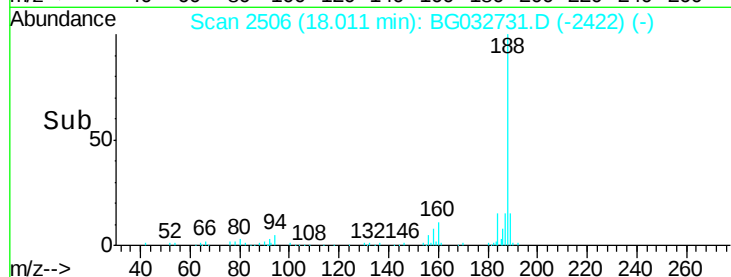
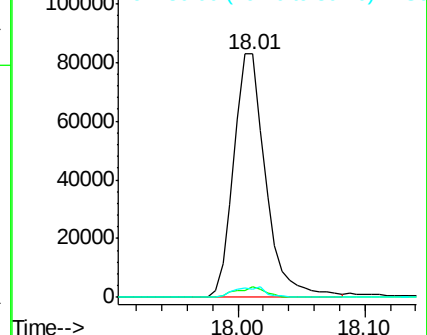
80 3.4 7.7 11.5#



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: 5.24 ng

RT: 16.75 min Scan# 2291

Delta R.T. 0.34 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

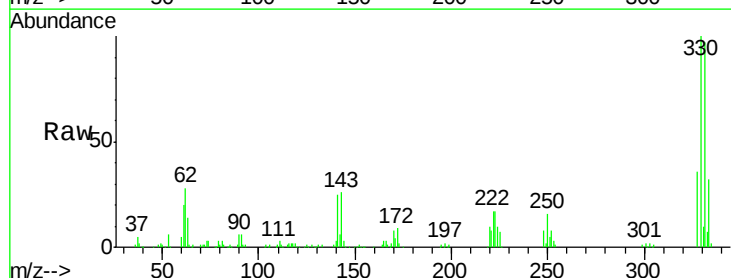
Tgt Ion:198 Resp: 260

Ion Ratio Lower Upper

198 100

51 59.6 30.6 70.6

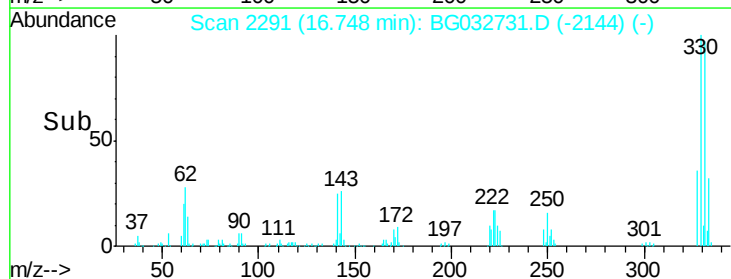
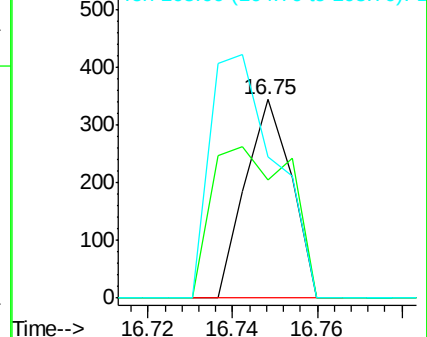
105 70.9 23.8 63.8#

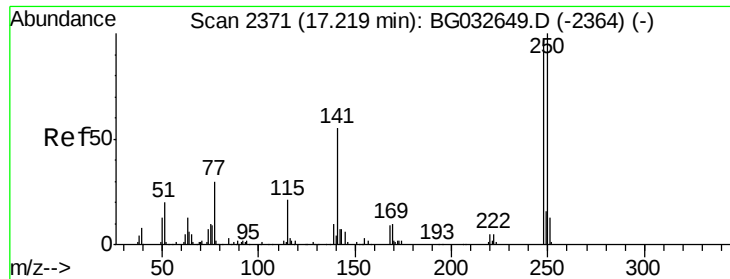


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

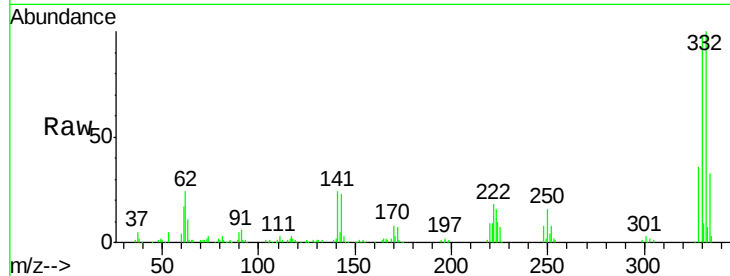




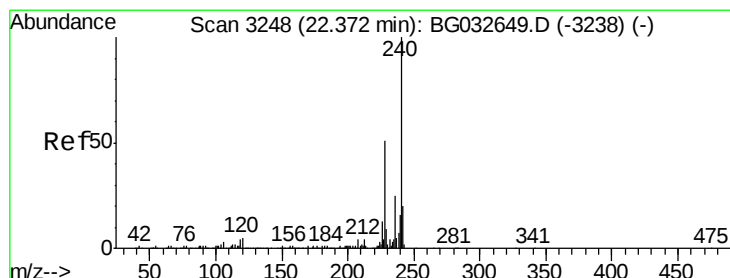
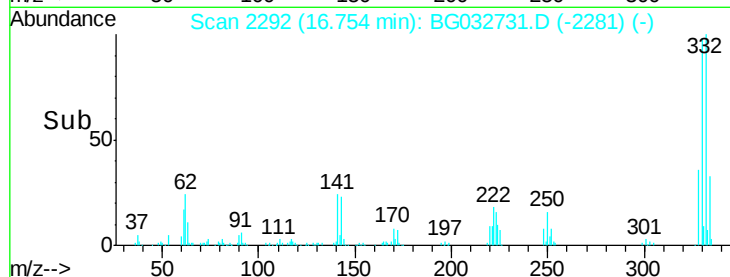
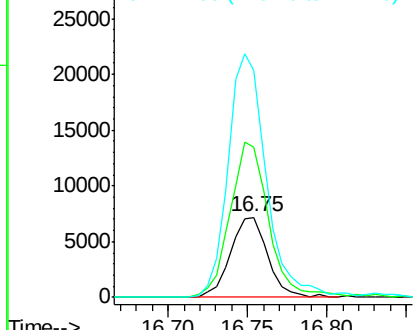
#66
4-Bromophenyl-phenylether
Concen: 5.61 ng
RT: 16.75 min Scan# 2292
Delta R.T. -0.46 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 11622
Ion Ratio Lower Upper
248 100
250 187.1 77.1 115.7#
141 283.1 50.8 76.2#

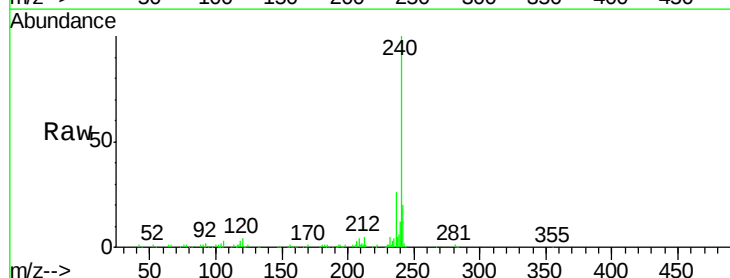


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

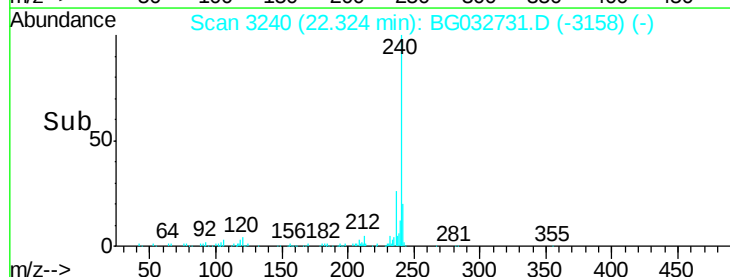
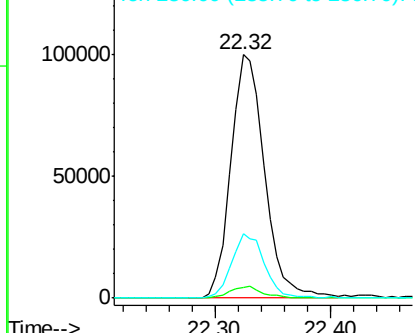


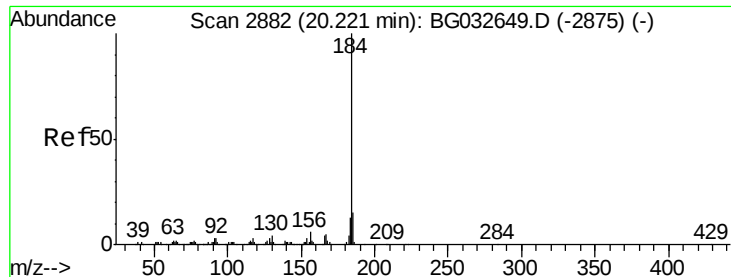
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.32 min Scan# 3240
Delta R.T. -0.05 min
Lab File: BG032731.D
Acq: 16 Feb 2018 2:05

Tgt Ion:240 Resp: 202973
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 26.4 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: 2.69 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.33 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Instrument :

BNA_G

ClientSampled :

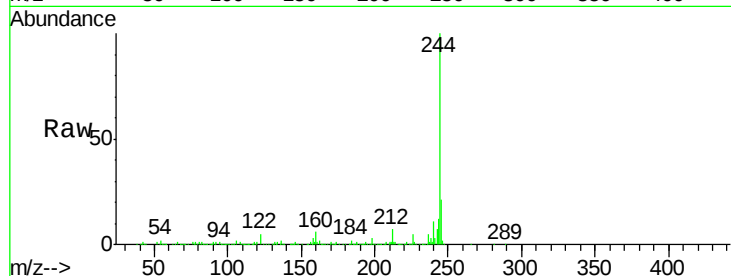
Tot Ion:184 Resp: 12852

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

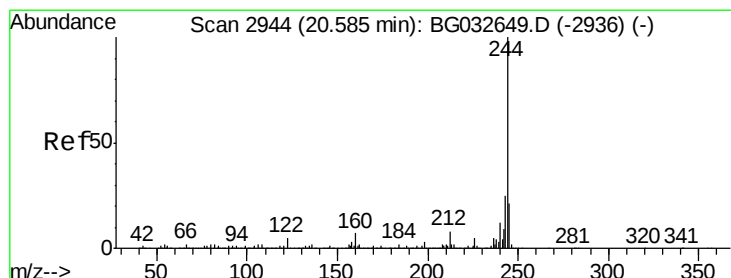
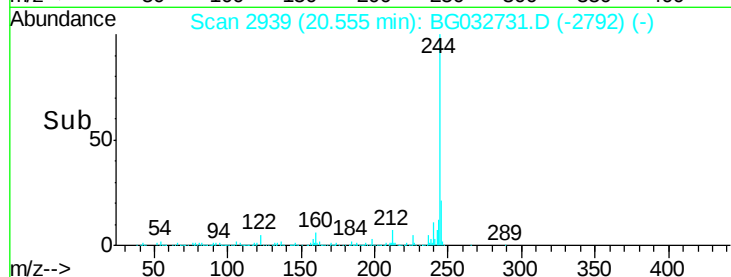
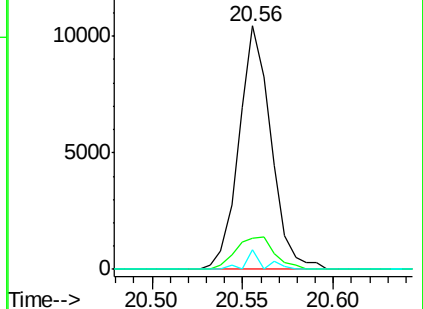
183 8.2 10.6 16.0#



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: 100.09 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

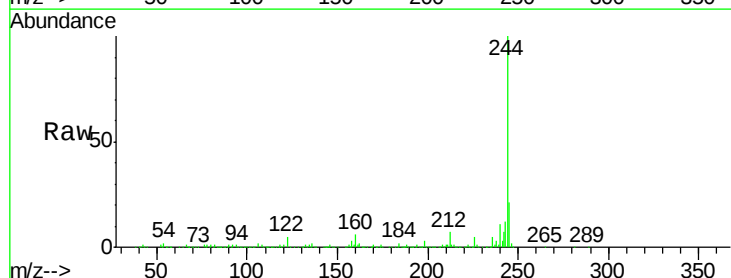
Tgt Ion:244 Resp: 891355

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

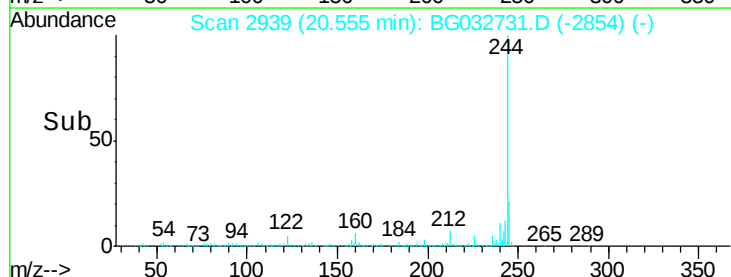
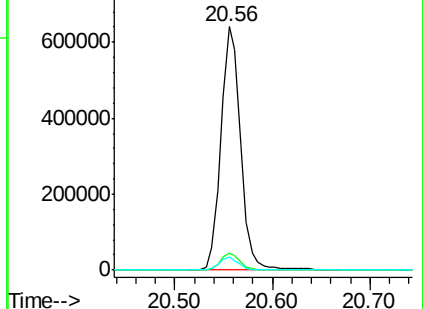
122 5.5 7.0 10.4#

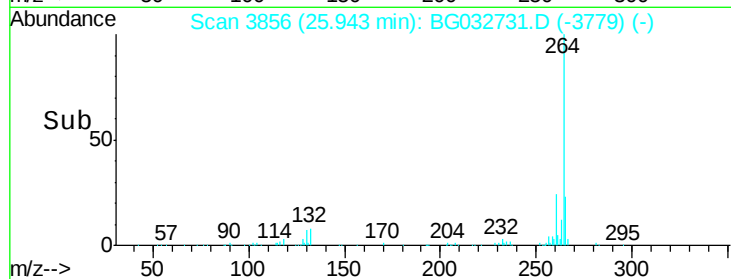
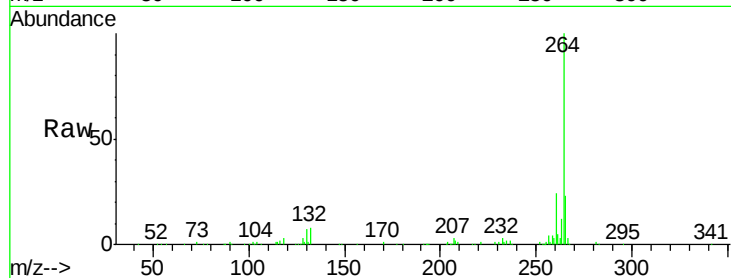
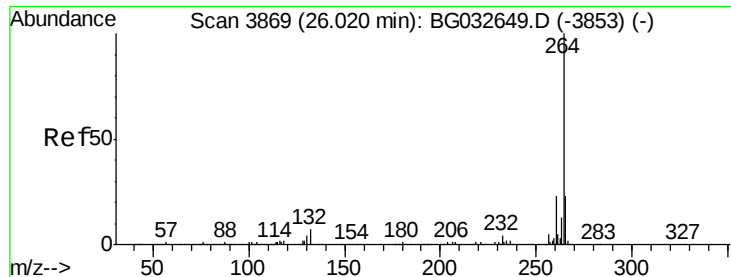


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.94 min Scan# 3856

Delta R.T. -0.08 min

Lab File: BG032731.D

Acq: 16 Feb 2018 2:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 229154

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.9 17.7 26.5

