

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032728.D
 Acq On : 16 Feb 2018 00:12
 Operator : SJ/JU
 Sample : J1536-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 03:09:12 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

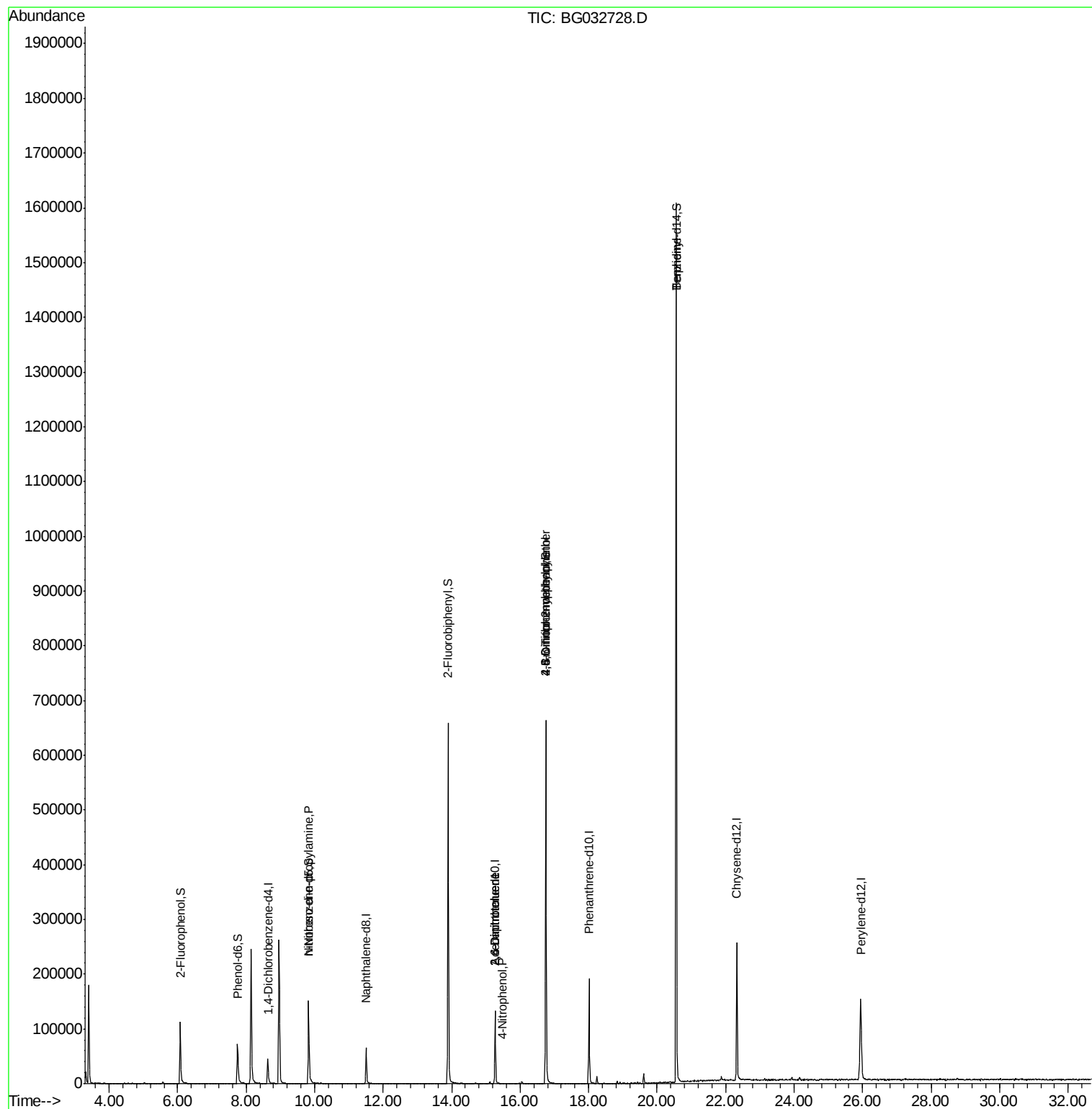
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	19172	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	71067	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	52860	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	143846	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	196587	20.00	ng	-0.04
86) Perylene-d12	25.94	264	214785	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.08	112	66430	69.52	ng	-0.04
7) Phenol-d6	7.75	99	55928	42.80	ng	-0.04
23) Nitrobenzene-d5	9.82	82	105872	94.68	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	173458	213.11	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	410275	97.06	ng	-0.04
78) Terphenyl-d14	20.56	244	908211	105.30	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.83	70	14814	16.86	ng	# 75
50) 2,6-Dinitrotoluene	15.27	165	6861	7.29	ng	# 18
55) 4-Nitrophenol	15.49	139	67	5.59	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	6861	5.29	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.75	198	260	5.25	ng	# 1
66) 4-Bromophenyl-phenylether	16.75	248	13746	6.68	ng	# 1
76) Benzidine	20.56	184	12482	2.70	ng	# 83

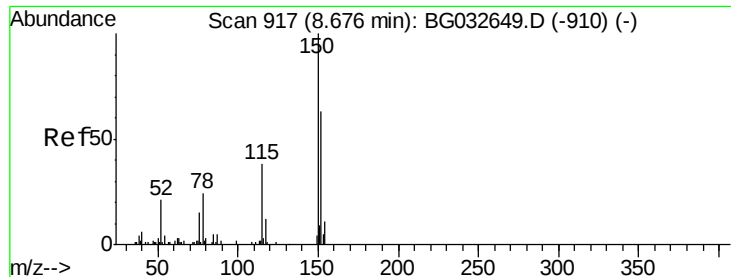
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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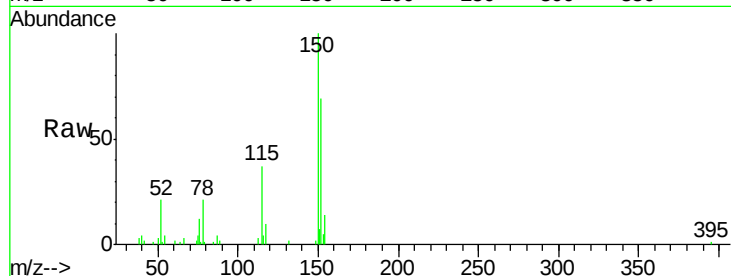


#1

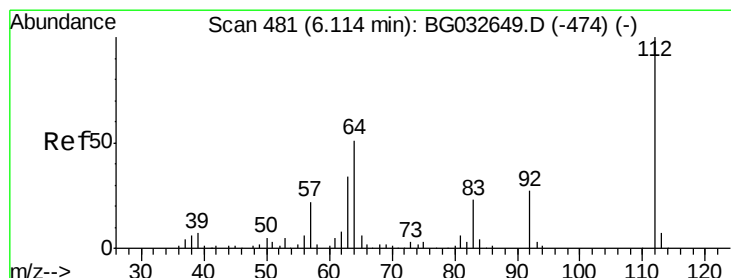
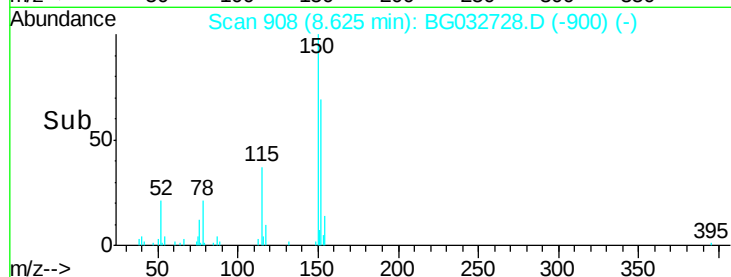
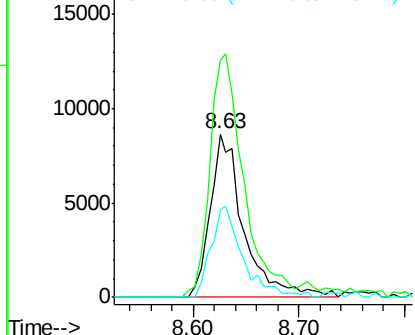
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.63 min Scan# 908
Delta R.T. -0.05 min
Lab File: BG032728.D
Acq: 16 Feb 2018 00:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 19172
Ion Ratio Lower Upper
152 100
150 144.8 126.6 189.8
115 53.6 53.0 79.4



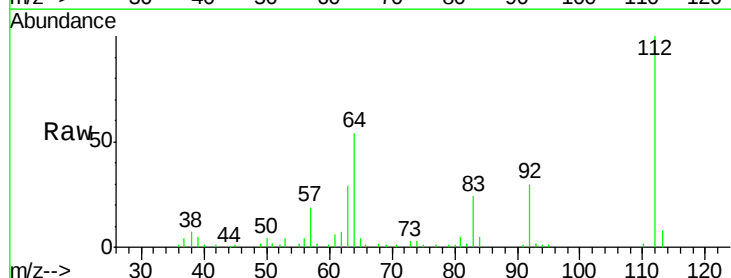
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



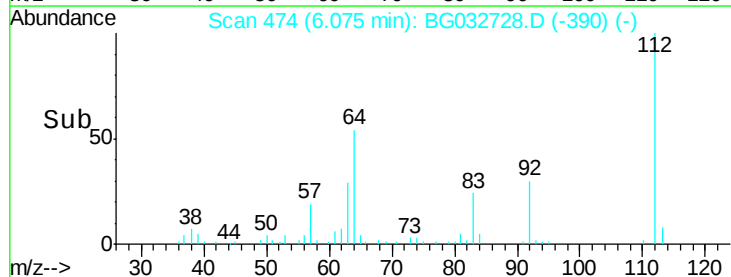
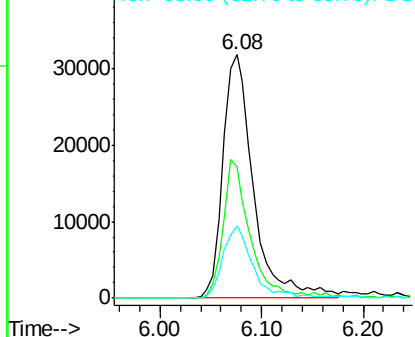
#5

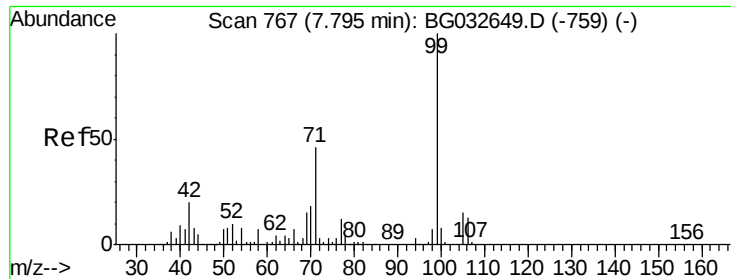
2-Fluorophenol
Concen: 69.52 ng
RT: 6.08 min Scan# 474
Delta R.T. -0.04 min
Lab File: BG032728.D
Acq: 16 Feb 2018 00:12

Tgt Ion:112 Resp: 66430
Ion Ratio Lower Upper
112 100
64 53.8 56.3 84.5#
63 29.5 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: 42.80 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.04 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Instrument :

BNA_G

ClientSampleId :

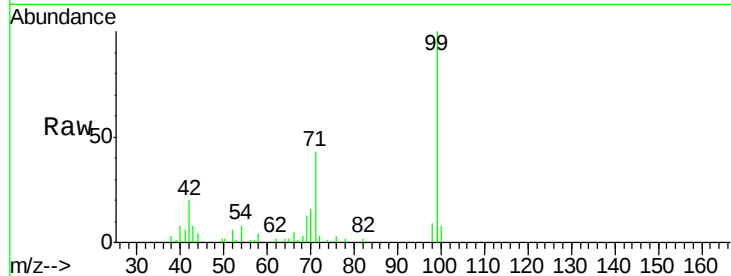
Tot Ion: 99 Resp: 55928

Ion Ratio Lower Upper

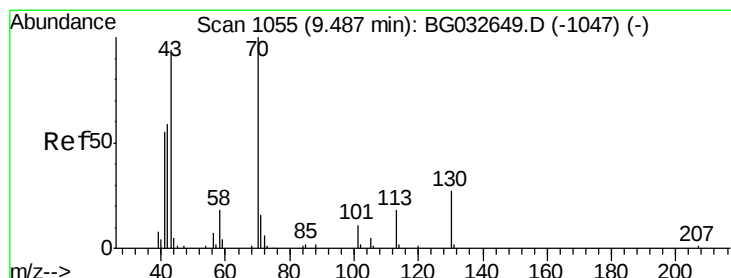
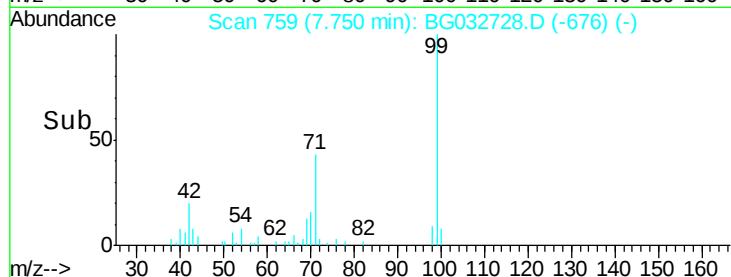
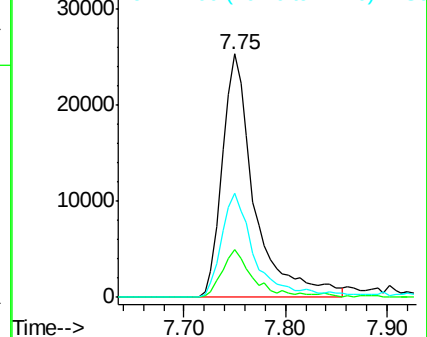
99 100

42 19.6 14.1 21.1

71 42.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.86 ng

RT: 9.83 min Scan# 1113

Delta R.T. 0.34 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Tgt Ion: 70 Resp: 14814

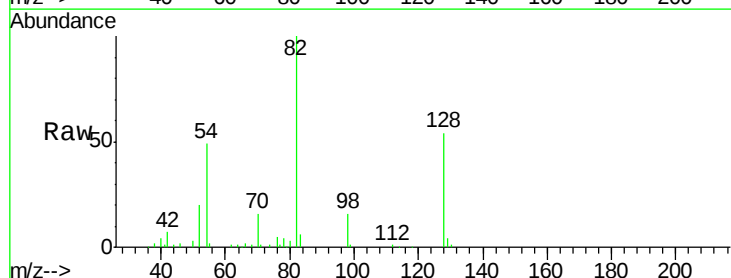
Ion Ratio Lower Upper

70 100

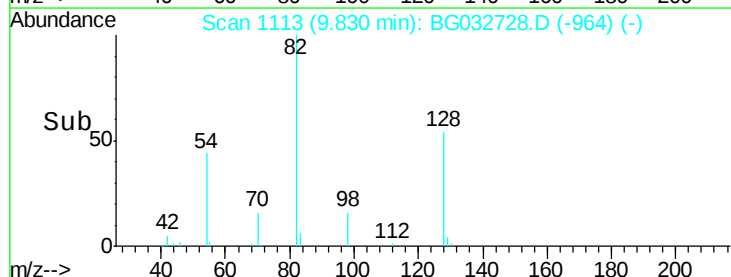
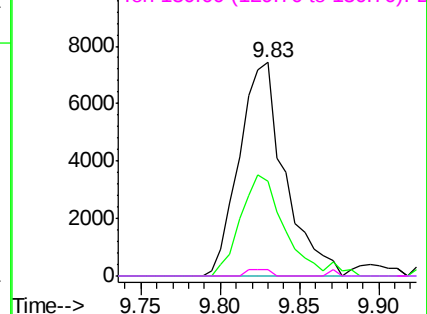
42 44.3 49.1 73.7#

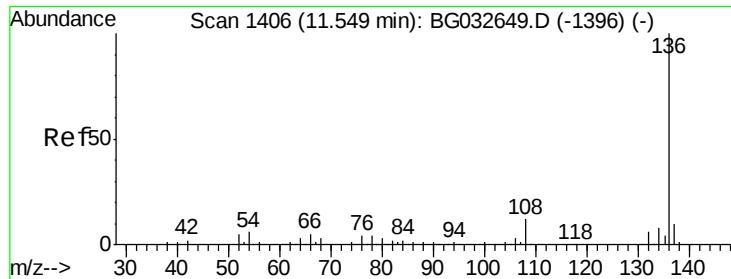
101 0.0 8.5 12.7#

130 3.1 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

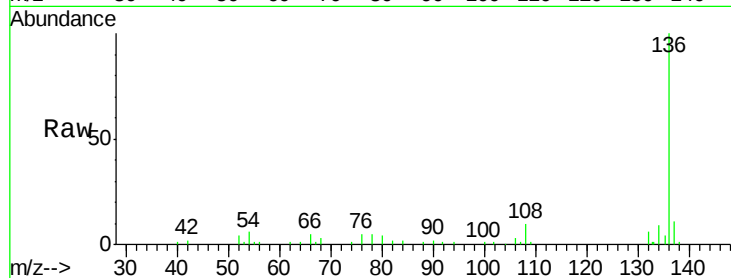




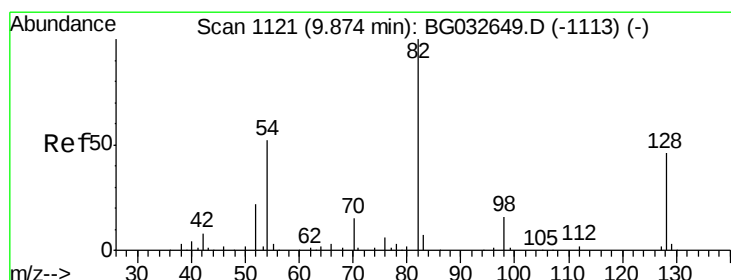
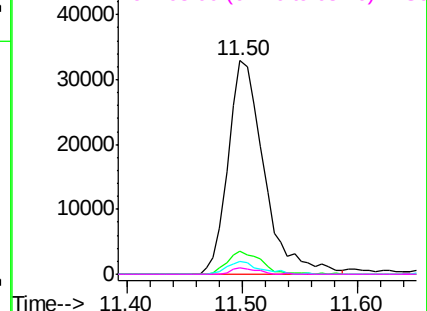
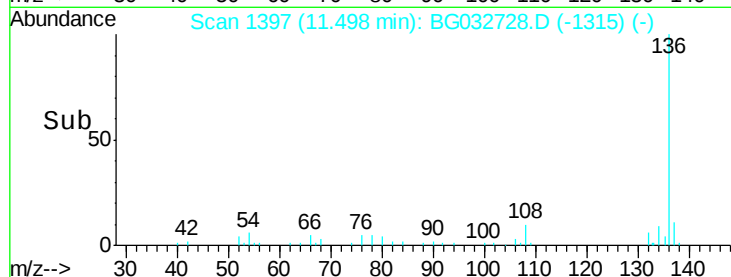
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1397
Delta R.T. -0.05 min
Lab File: BG032728.D
Acq: 16 Feb 2018 00:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:136 Resp: 71067
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 5.7 10.3 15.5#
68 2.8 4.5 6.7#

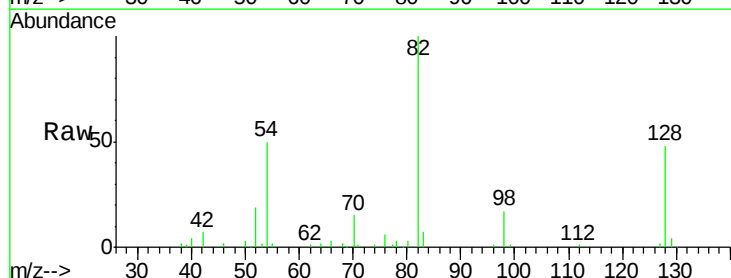


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

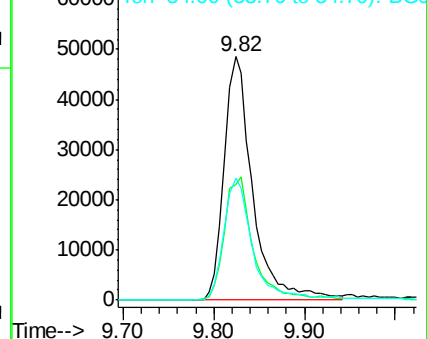
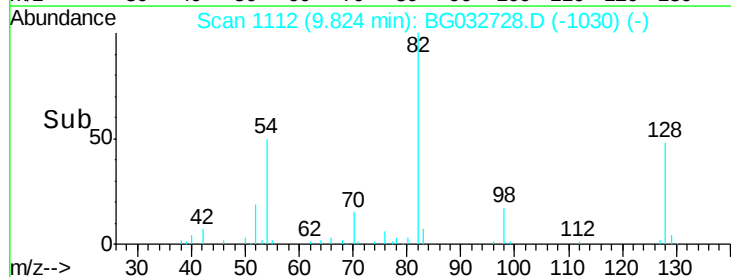


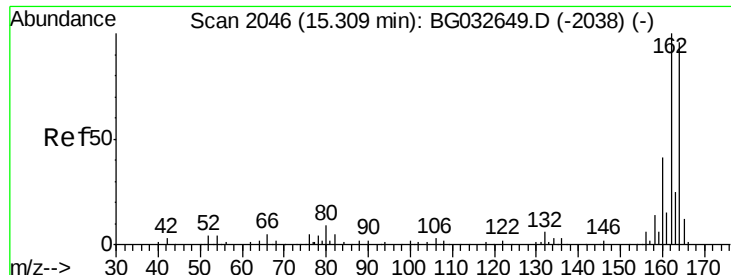
#23
Nitrobenzene-d5
Concen: 94.68 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BG032728.D
Acq: 16 Feb 2018 00:12

Tgt Ion: 82 Resp: 105872
Ion Ratio Lower Upper
82 100
128 47.5 29.7 44.5#
54 50.1 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: 20.00 ng

RT: 15.27 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Instrument :

BNA_G

ClientSampleId :

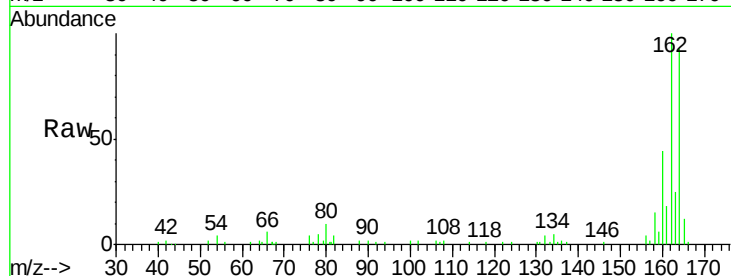
Tot Ion:164 Resp: 52860

Ion Ratio Lower Upper

164 100

162 107.4 78.8 118.2

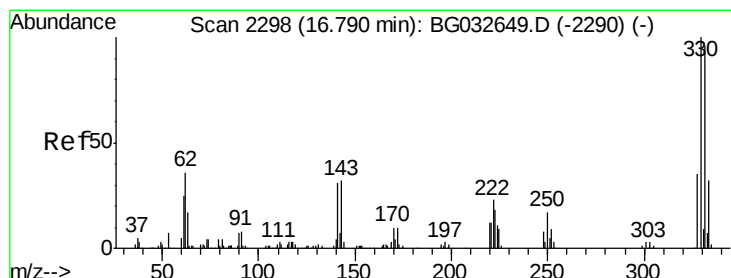
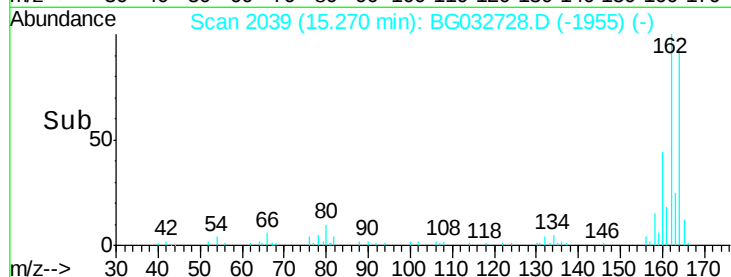
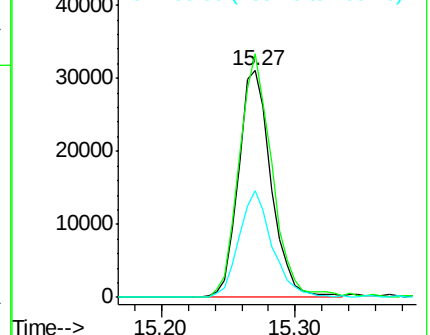
160 47.2 35.4 53.0



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: 213.11 ng

RT: 16.75 min Scan# 2291

Delta R.T. -0.04 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

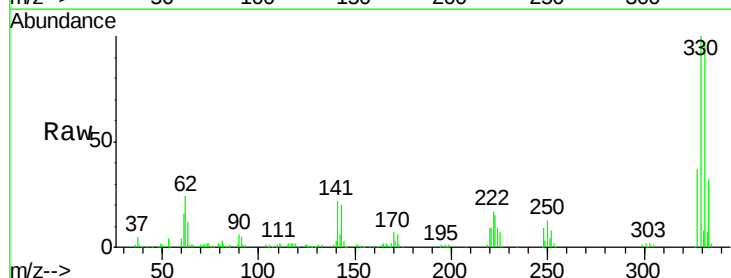
Tgt Ion:330 Resp: 173458

Ion Ratio Lower Upper

330 100

332 100.3 77.0 115.6

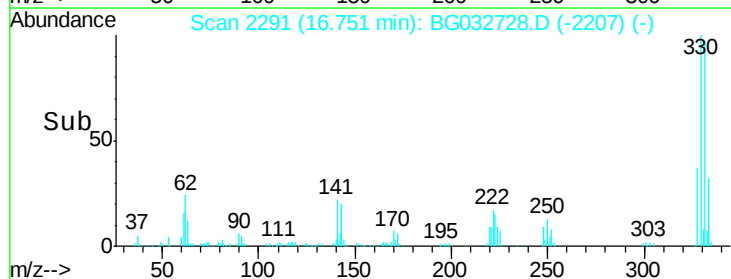
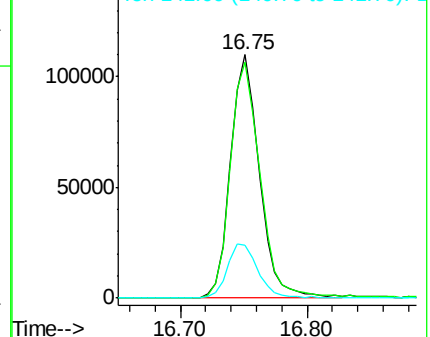
141 24.0 25.2 37.8#

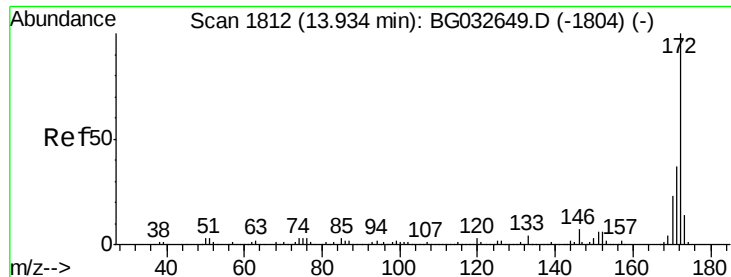


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

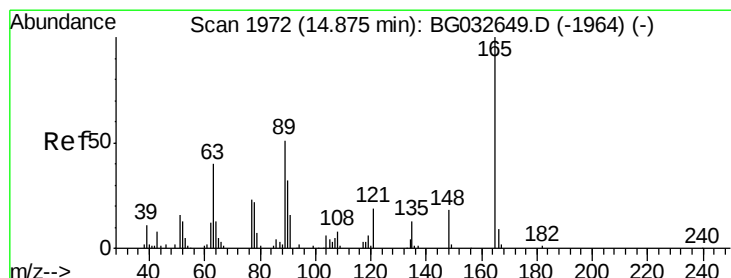
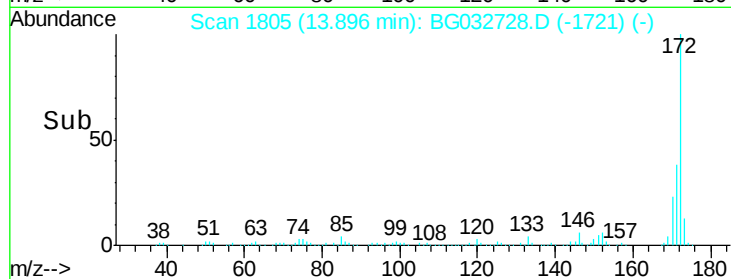
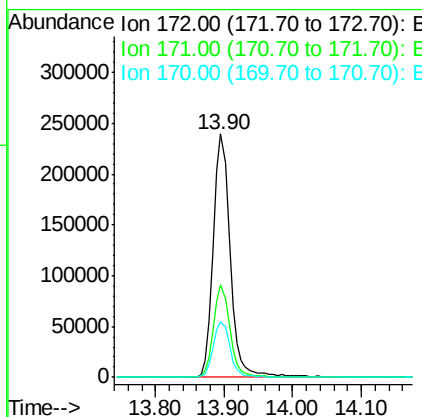
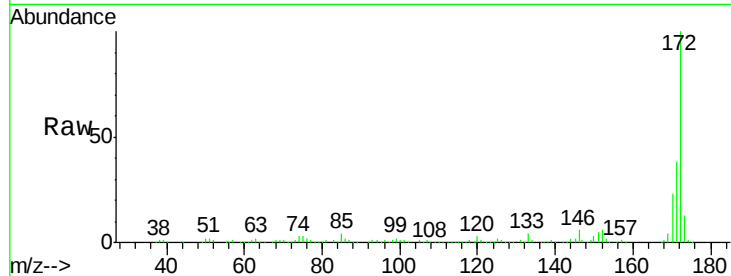




#44
 2-Fluorobiphenyl
 Concen: 97.06 ng
 RT: 13.90 min Scan# 1805
 Delta R.T. -0.04 min
 Lab File: BG032728.D
 Acq: 16 Feb 2018 00:12

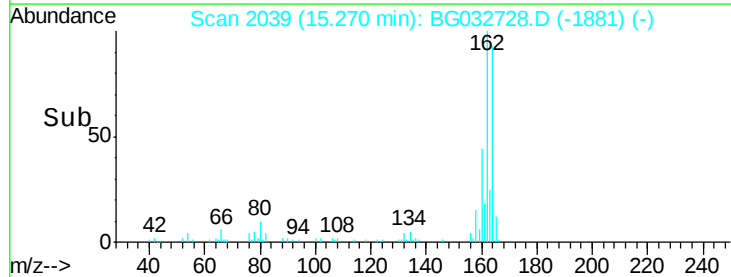
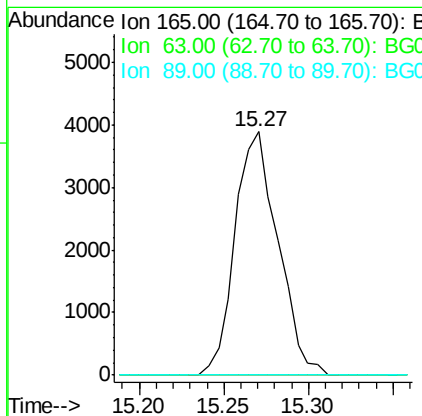
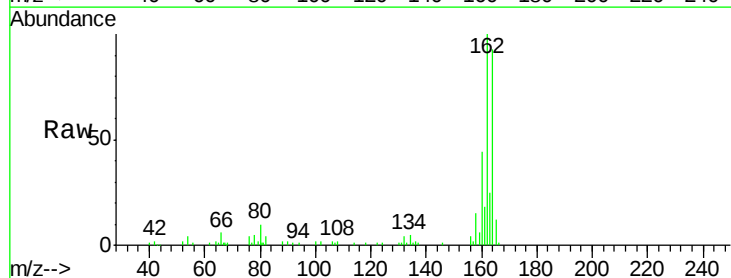
Instrument :
 BNA_G
 ClientSampleId :

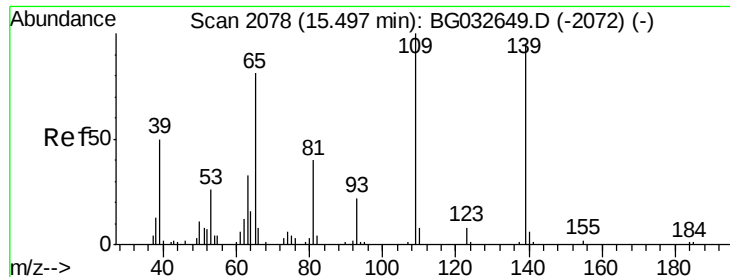
Tot Ion:172 Resp: 410275
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.29 ng
 RT: 15.27 min Scan# 2039
 Delta R.T. 0.40 min
 Lab File: BG032728.D
 Acq: 16 Feb 2018 00:12

Tgt Ion:165 Resp: 6861
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 5.59 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Instrument :

BNA_G

ClientSampled :

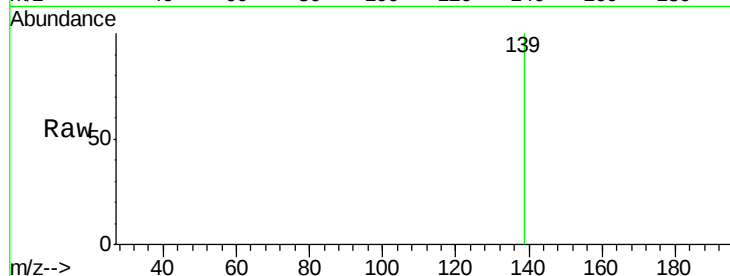
Tot Ion:139 Resp: 67

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

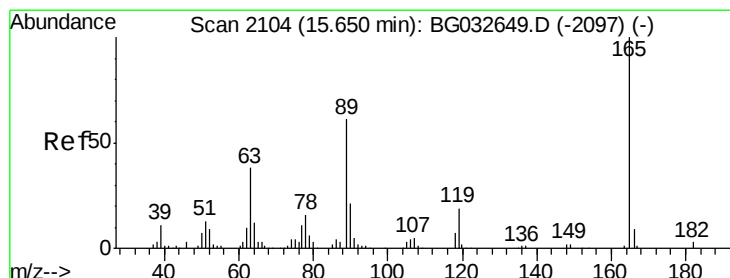
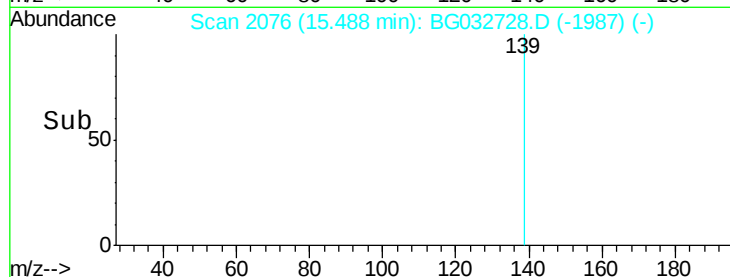
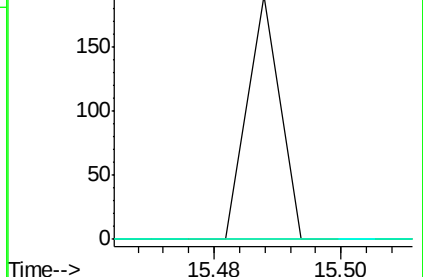
65 0.0 97.2 137.2#



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): E



#56

2,4-Dinitrotoluene

Concen: 5.29 ng

RT: 15.27 min Scan# 2039

Delta R.T. -0.38 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Tgt Ion:165 Resp: 6861

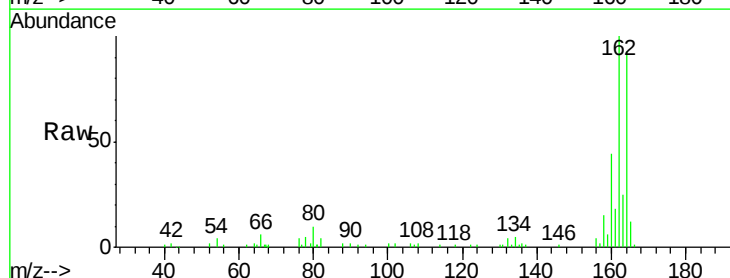
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

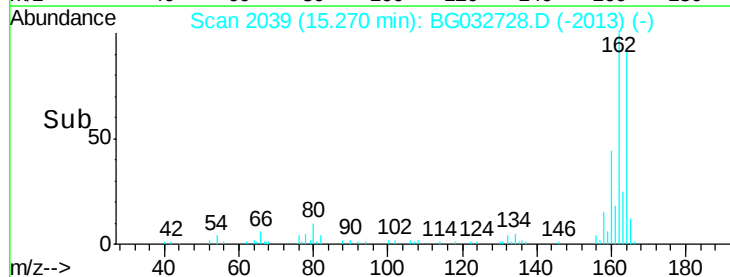
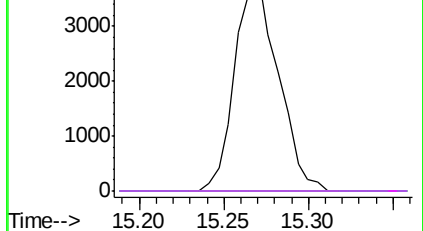


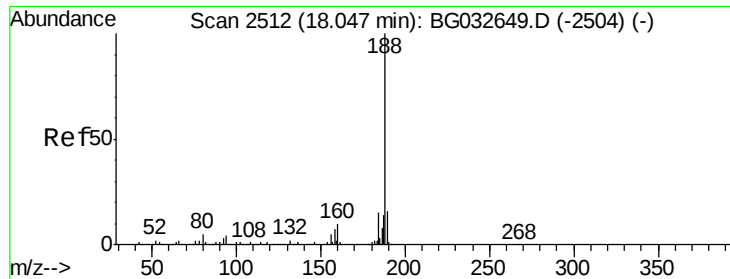
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.01 min Scan# 2505

Delta R.T. -0.04 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Instrument :

BNA_G

ClientSampled :

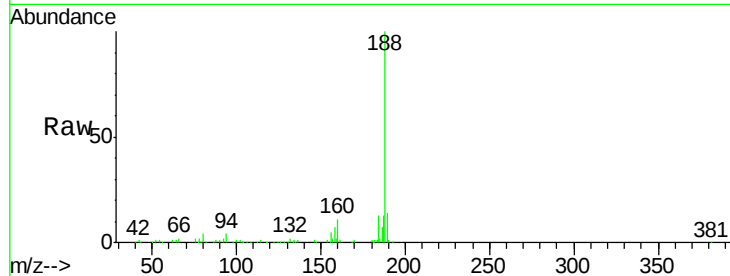
Tot Ion:188 Resp: 143846

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

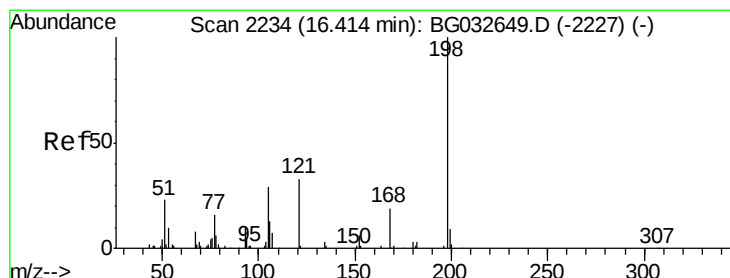
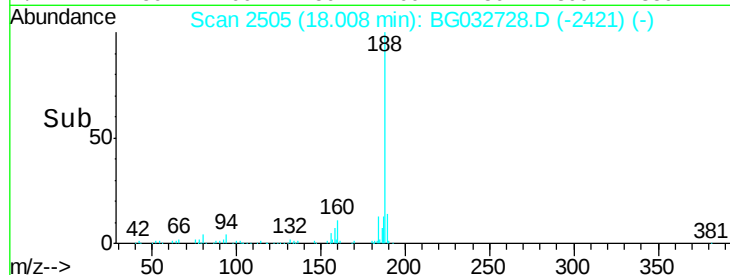
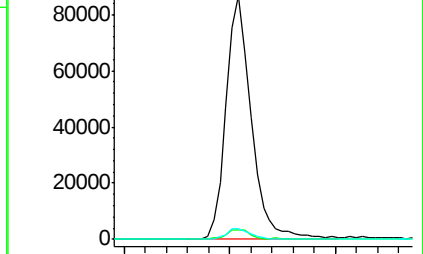
80 4.3 7.7 11.5#



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: 16.75 min Scan# 2291

Delta R.T. 0.34 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

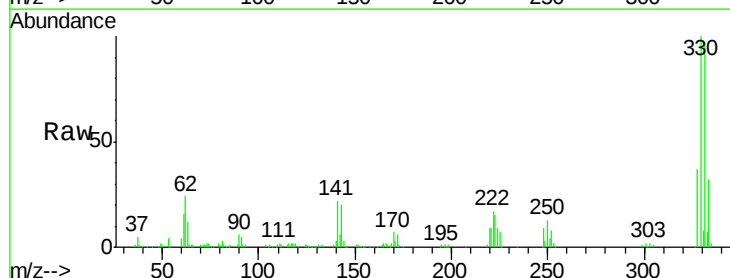
Tgt Ion:198 Resp: 260

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

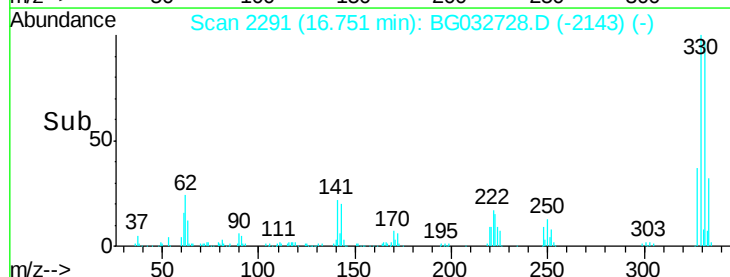
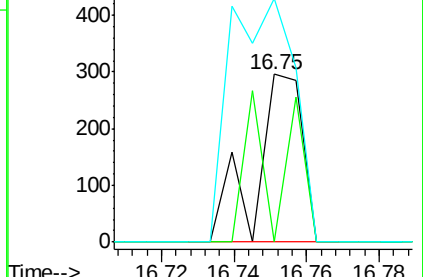
105 144.9 23.8 63.8#

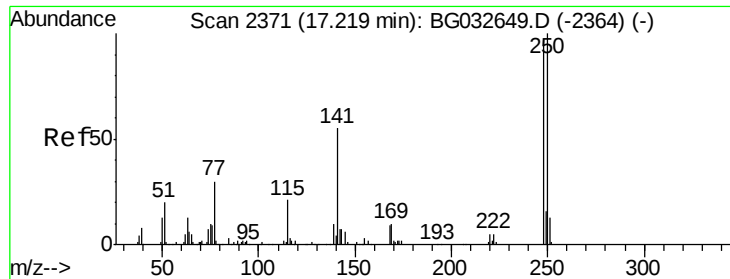


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

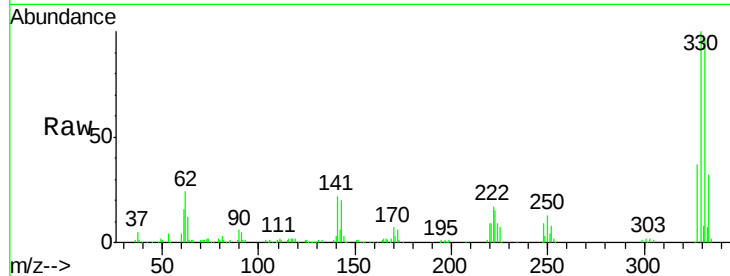




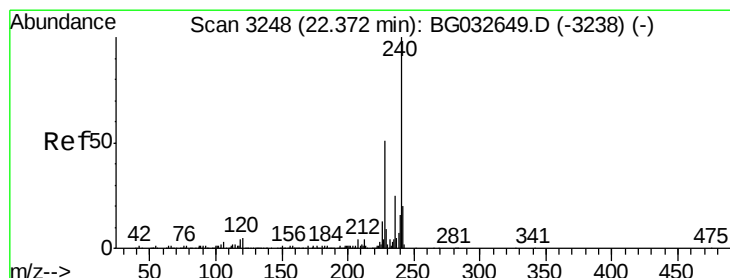
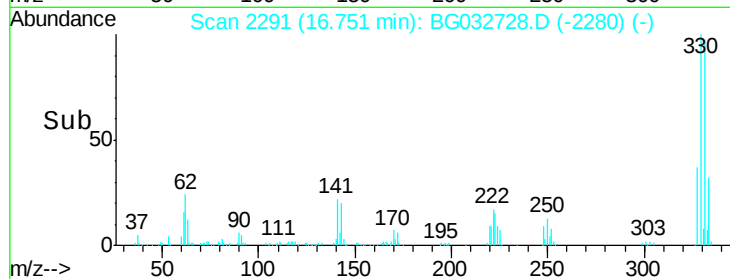
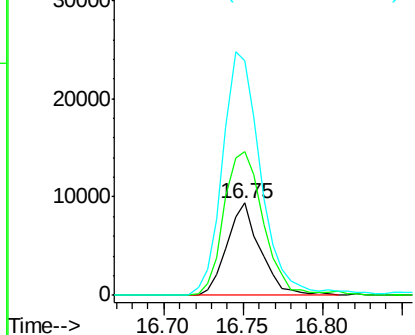
#66
 4-Bromophenyl-phenylether
 Concen: 6.68 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032728.D
 Acq: 16 Feb 2018 00:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13746
 Ion Ratio Lower Upper
 248 100
 250 155.6 77.1 115.7#
 141 255.7 50.8 76.2#

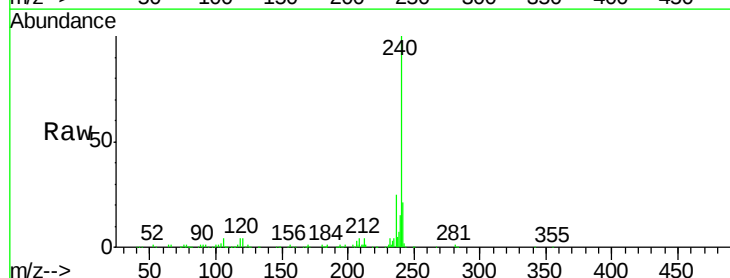


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

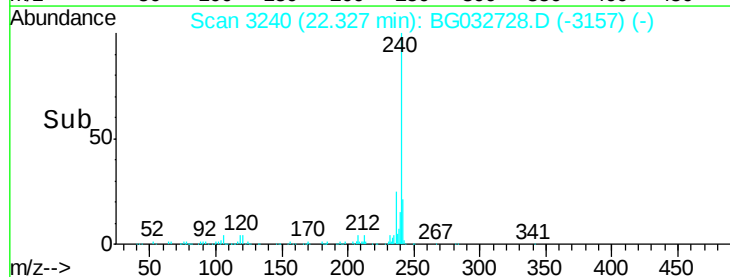
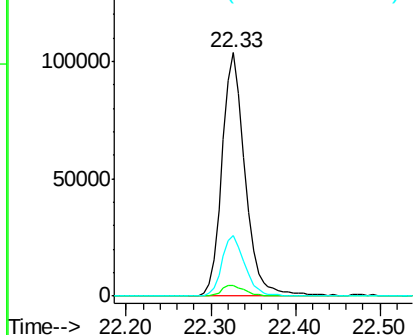


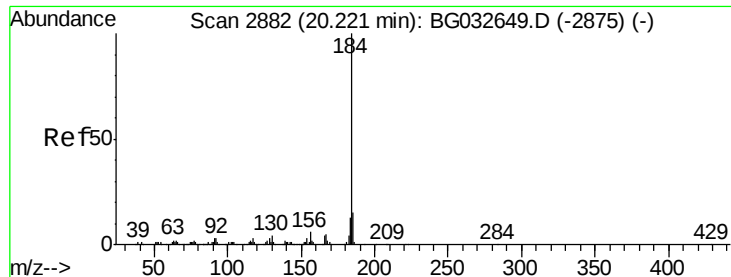
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.33 min Scan# 3240
 Delta R.T. -0.04 min
 Lab File: BG032728.D
 Acq: 16 Feb 2018 00:12

Tgt Ion:240 Resp: 196587
 Ion Ratio Lower Upper
 240 100
 120 4.4 6.8 10.2#
 236 25.0 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: 2.70 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.34 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

Instrument :

BNA_G

ClientSampleId :

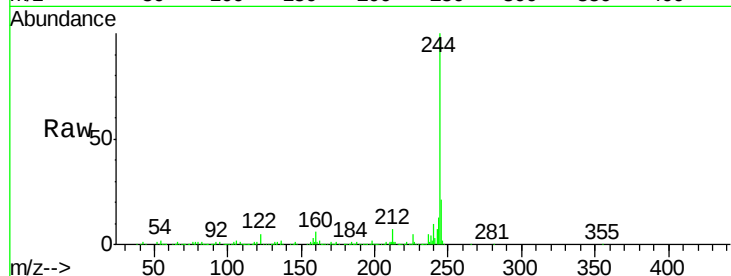
Tot Ion:184 Resp: 12482

Ion Ratio Lower Upper

184 100

185 23.6 11.1 16.7#

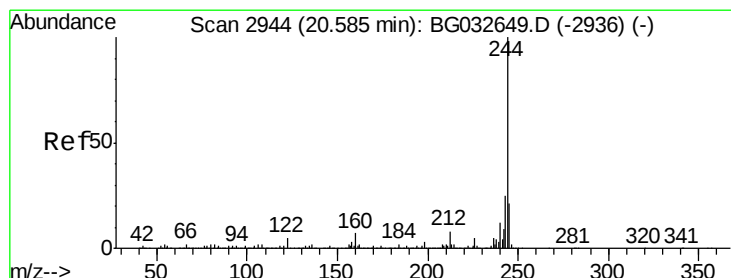
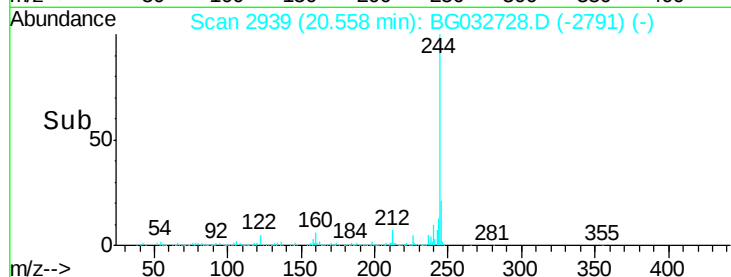
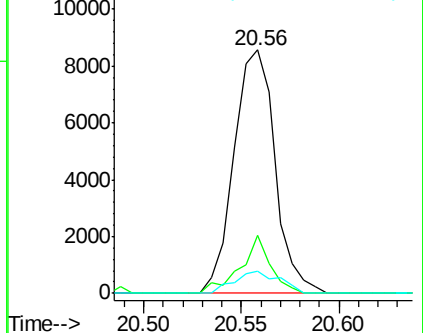
183 9.0 10.6 16.0#



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: 105.30 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032728.D

Acq: 16 Feb 2018 00:12

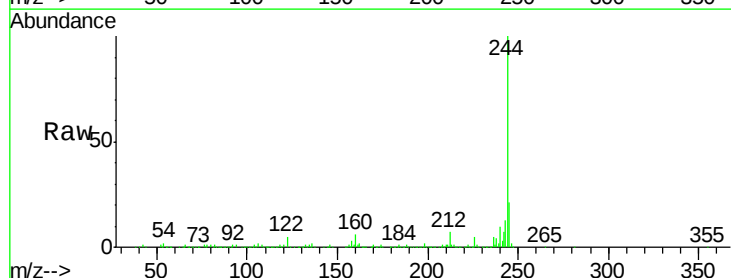
Tgt Ion:244 Resp: 908211

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

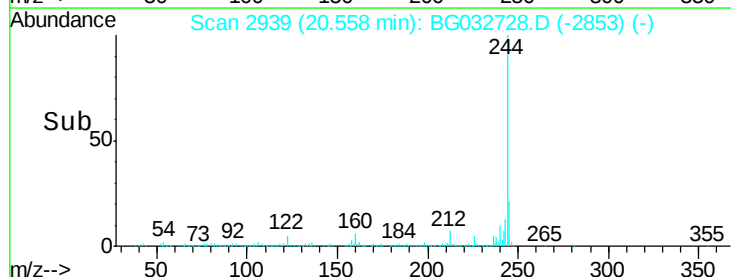
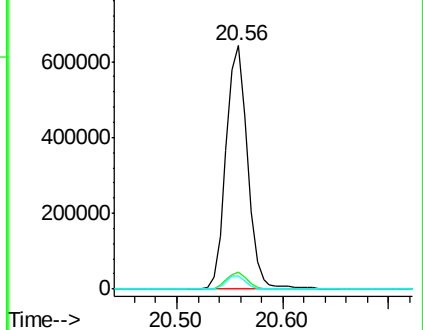
122 5.2 7.0 10.4#

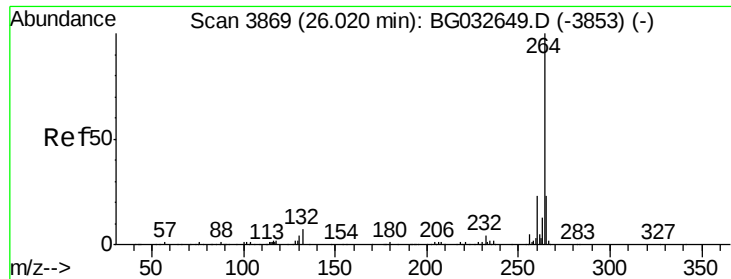


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3855
 Delta R.T. -0.08 min
 Lab File: BG032728.D
 Acq: 16 Feb 2018 00:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	22.1	17.7	26.5

