

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033971.D
 Acq On : 25 Apr 2018 3:04
 Operator : SJ/JU
 Sample : J2151-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:50:57 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

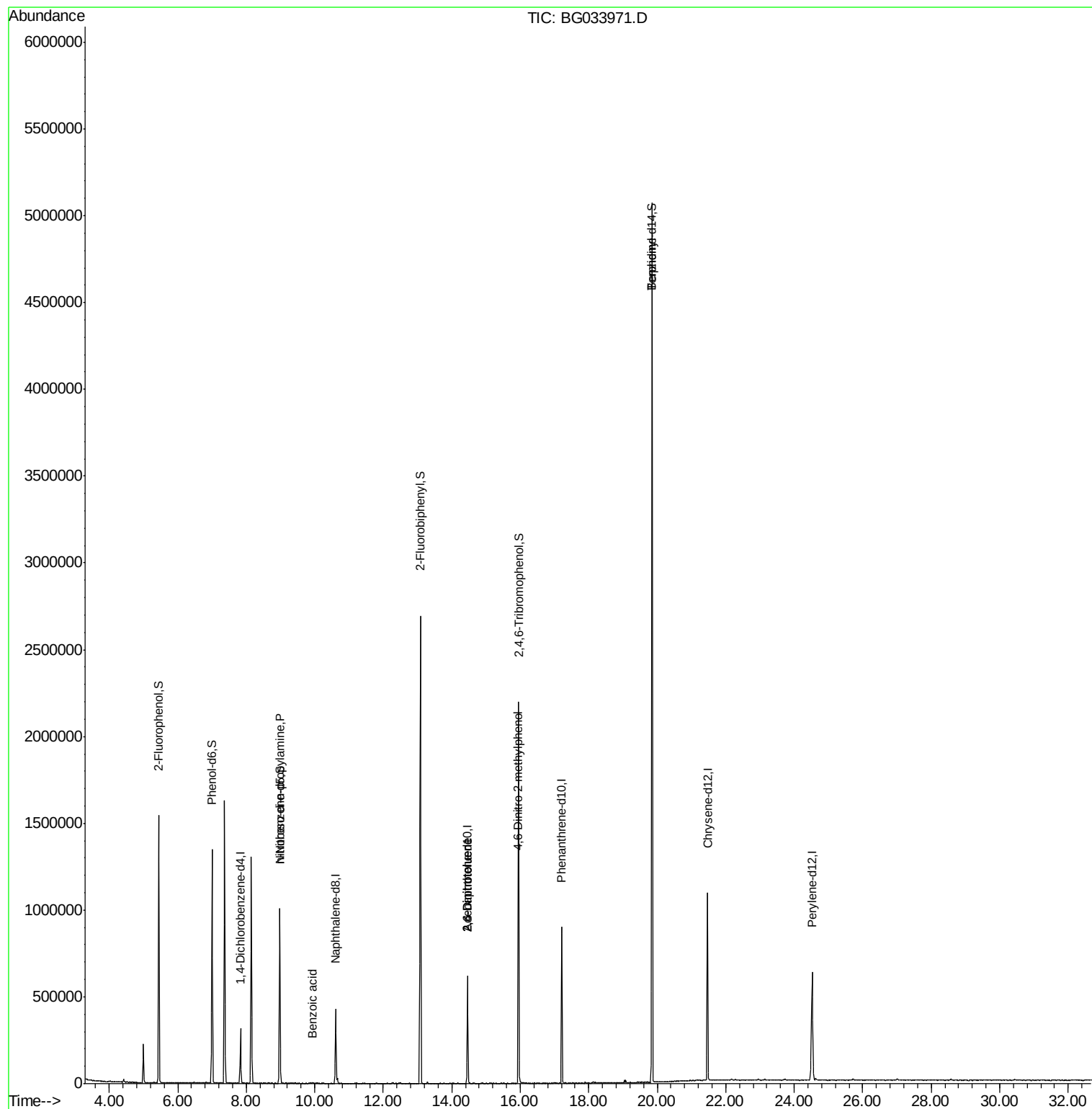
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	88410	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	358923	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	222527	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	554205	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	644264	20.00	ng	-0.02
86) Perylene-d12	24.52	264	649444	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	636574	114.95	ng	0.00
7) Phenol-d6	7.00	99	734937	90.99	ng	0.00
23) Nitrobenzene-d5	8.98	82	619775	98.27	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	399031	153.70	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1424950	94.07	ng	-0.02
78) Terphenyl-d14	19.84	244	2373133	82.75	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1503	Below Cal		Qvalue # 18
19) n-Nitroso-di-n-propylamine	8.98	70	86030	12.495	ng	# 78
32) Benzoic acid	9.92	122	164	5.113	ng	# 18
50) 2,6-Dinitrotoluene	14.46	165	29610	7.982	ng	# 20
56) 2,4-Dinitrotoluene	14.46	165	29610	6.003	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.93	198	1146	6.861	ng	# 83
76) Benzydine	19.84	184	38321	2.203	ng	# 93

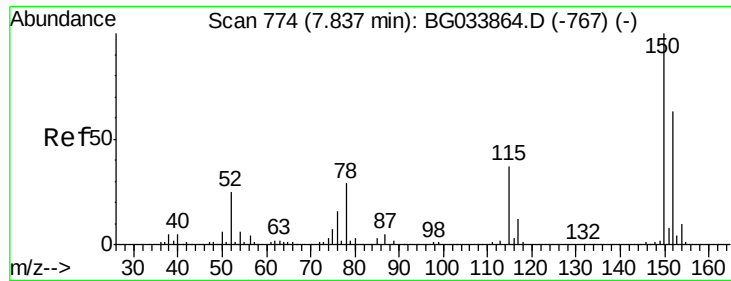
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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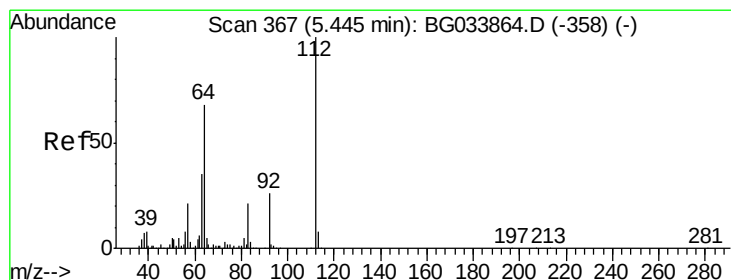
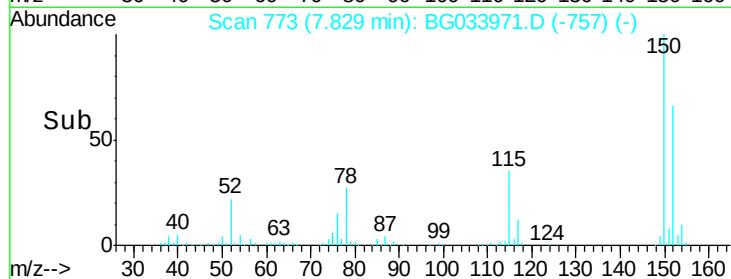
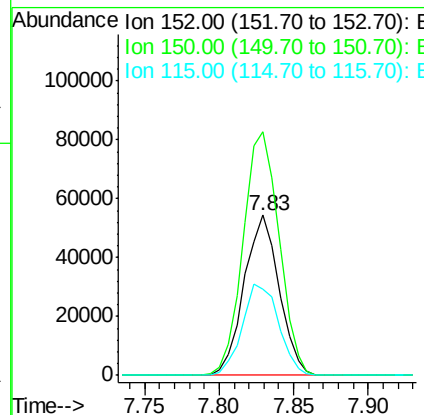
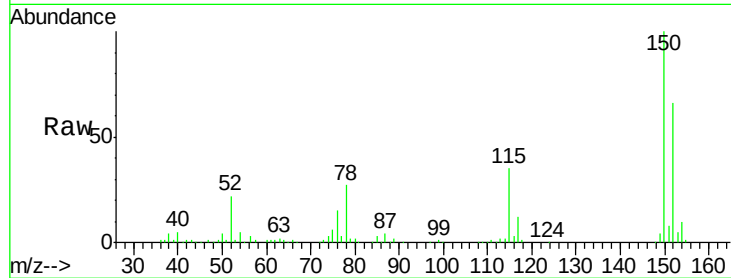


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033971.D
Acq: 25 Apr 2018 3:04

Instrument :
BNA_G
ClientSampleId :

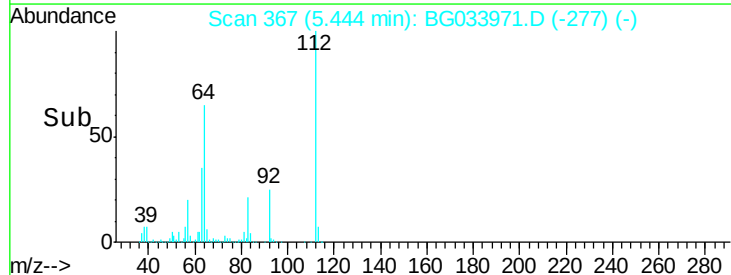
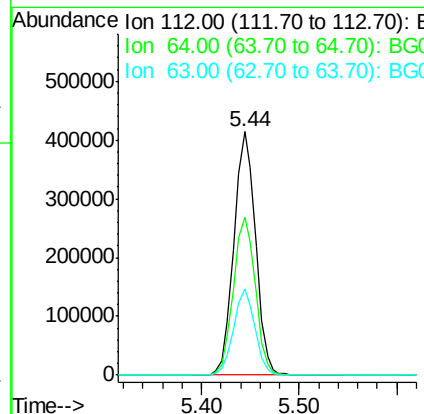
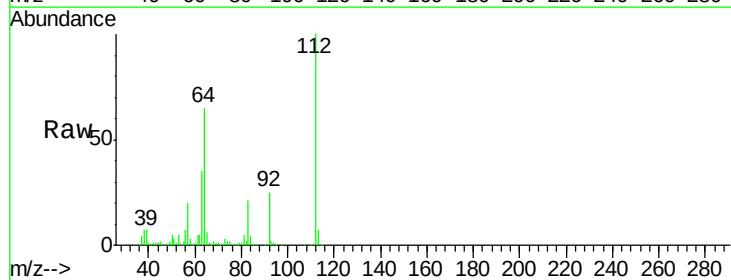
Tot Ion:152 Resp: 88410
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 53.5 53.0 79.4

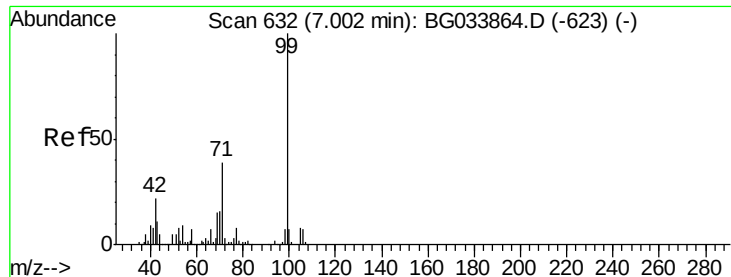


#5

2-Fluorophenol
Concen: 114.954 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033971.D
Acq: 25 Apr 2018 3:04

Tgt Ion:112 Resp: 636574
Ion Ratio Lower Upper
112 100
64 64.9 56.3 84.5
63 35.2 30.1 45.1





#7

Phenol-d6

Concen: 90.992 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Instrument :

BNA_G

ClientSampled :

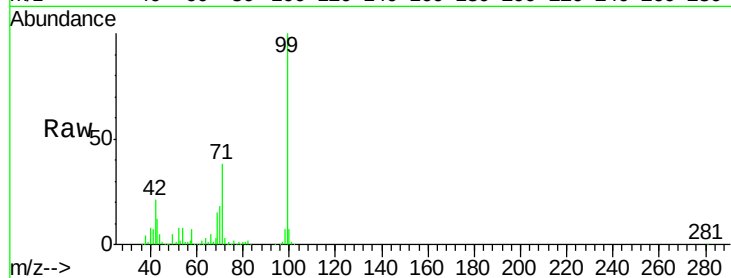
Tot Ion: 99 Resp: 734937

Ion Ratio Lower Upper

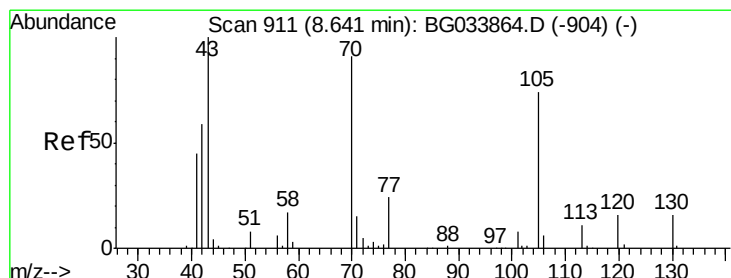
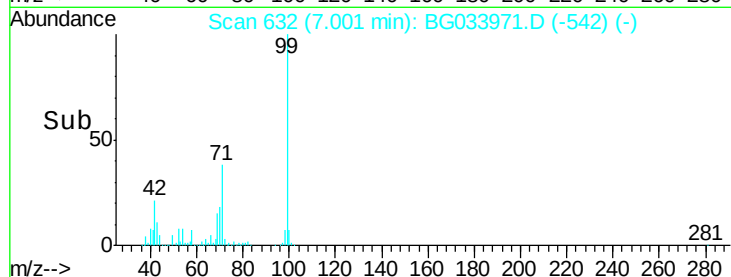
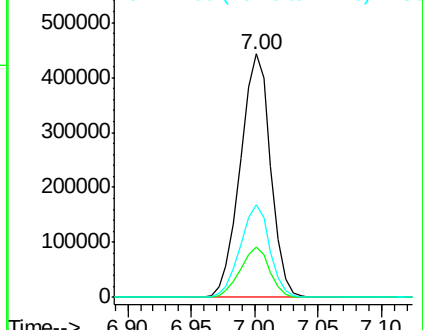
99 100

42 20.7 14.1 21.1

71 37.8 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: 12.495 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Tgt Ion: 70 Resp: 86030

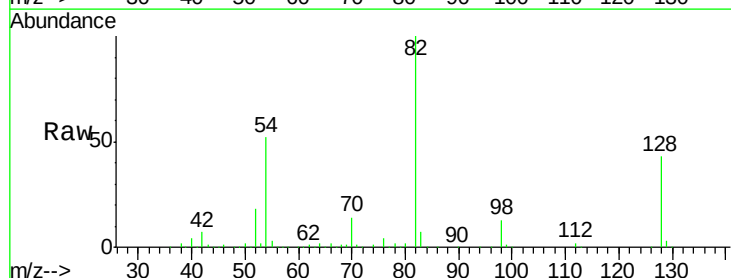
Ion Ratio Lower Upper

70 100

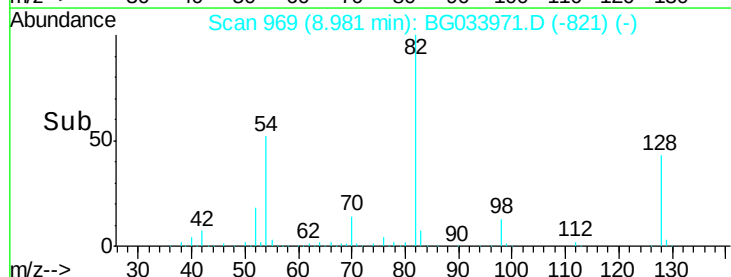
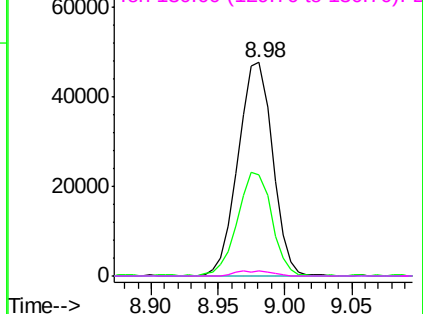
42 47.6 49.1 73.7#

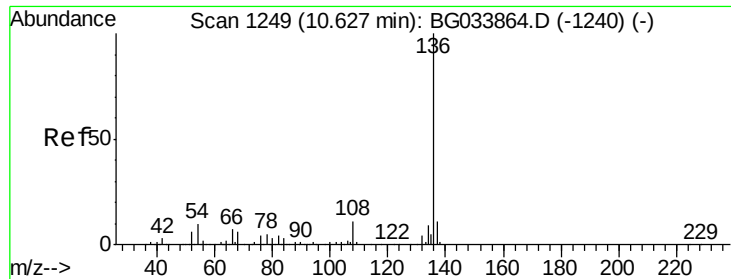
101 0.0 8.5 12.7#

130 2.3 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

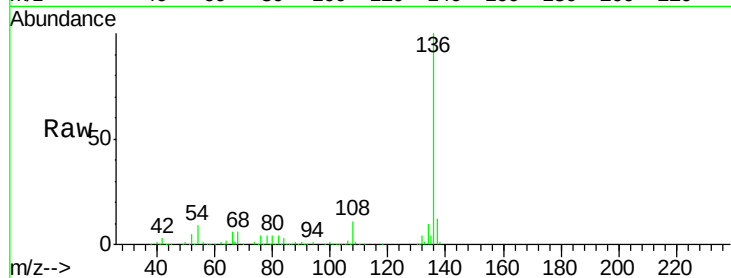




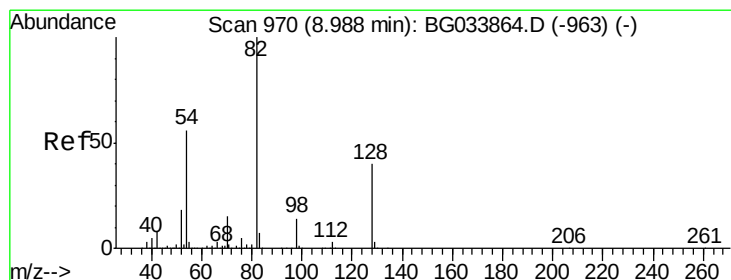
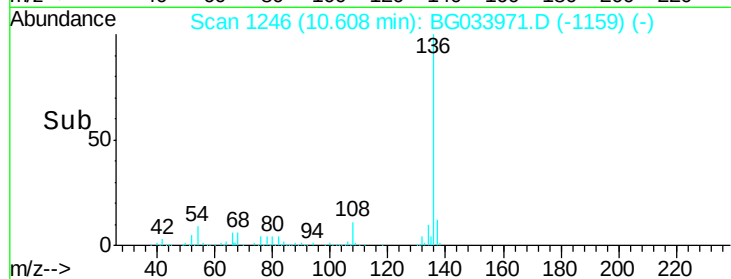
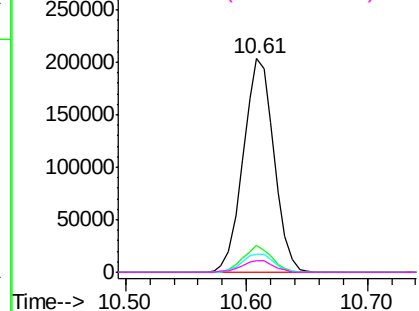
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033971.D
Acq: 25 Apr 2018 3:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	358923
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.2 13.8
54	8.7	10.3 15.5#
68	5.5	4.5 6.7

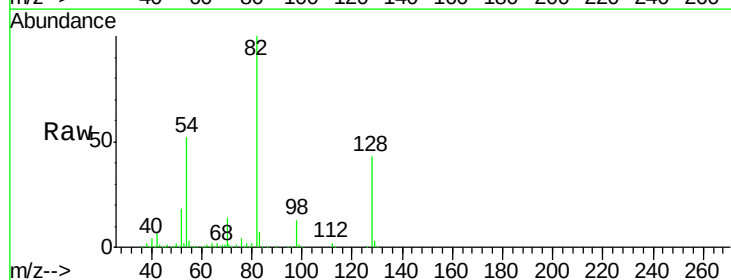


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

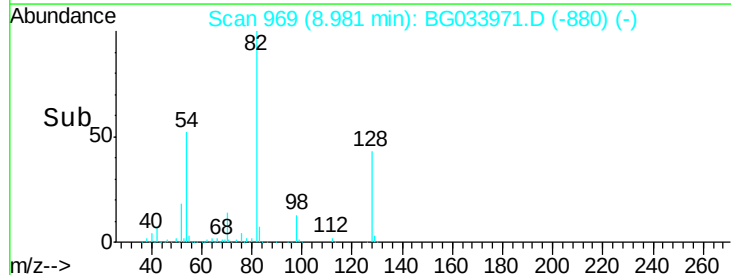
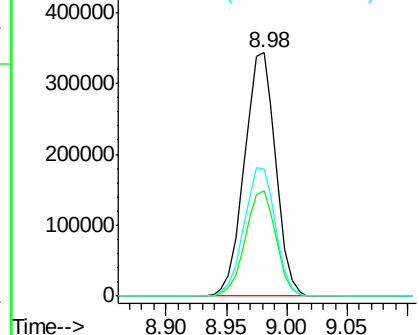


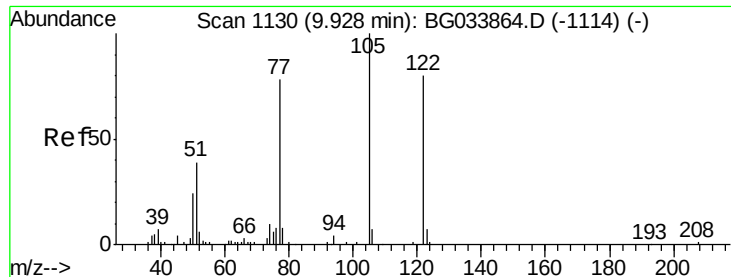
#23
Nitrobenzene-d5
Concen: 98.269 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033971.D
Acq: 25 Apr 2018 3:04

Tgt Ion: 82	Resp:	619775
Ion Ratio	Lower	Upper
82	100	
128	43.1	29.7 44.5
54	52.2	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





#32

Benzoic acid

Concen: 5.113 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Instrument :

BNA_G

ClientSampled :

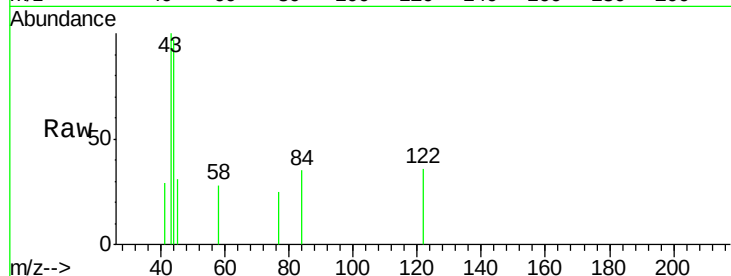
Tot Ion:122 Resp: 164

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

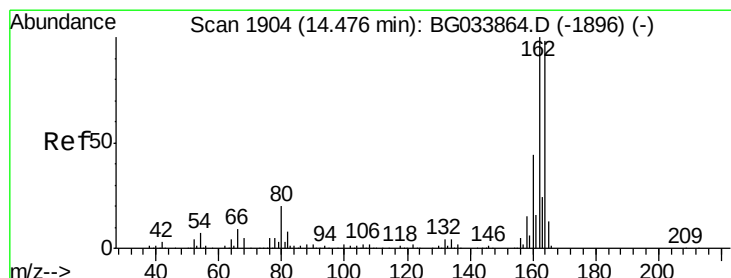
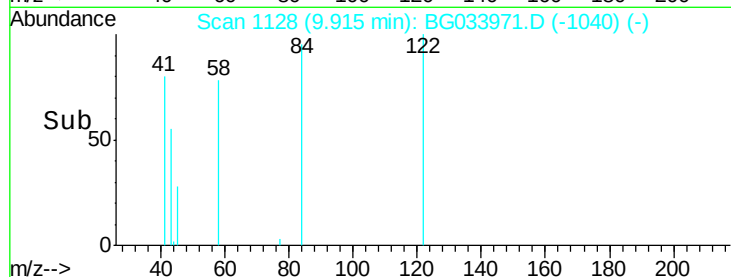
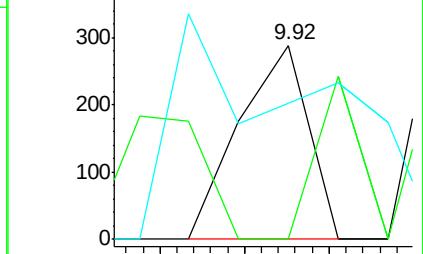
77 69.9 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

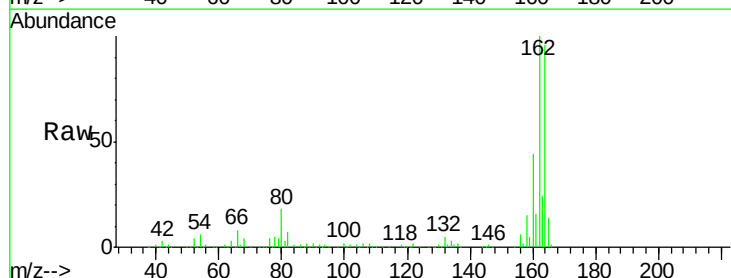
Tgt Ion:164 Resp: 222527

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

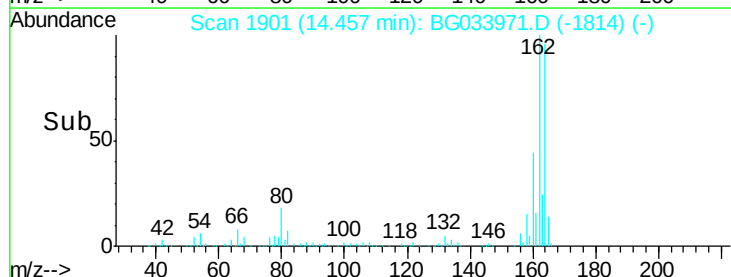
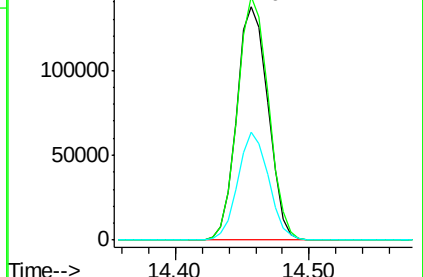
160 46.2 35.4 53.0

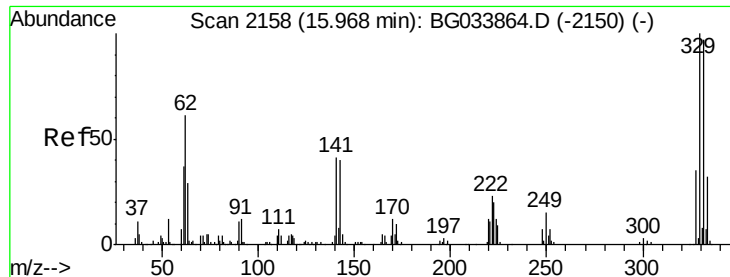


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

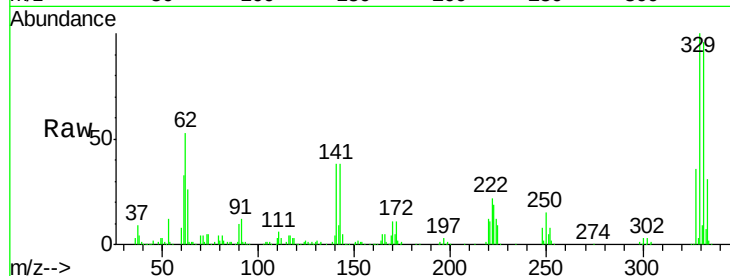




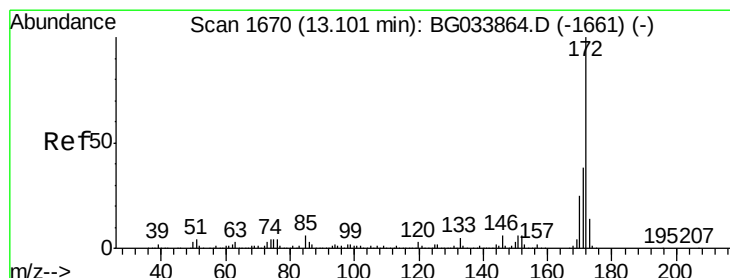
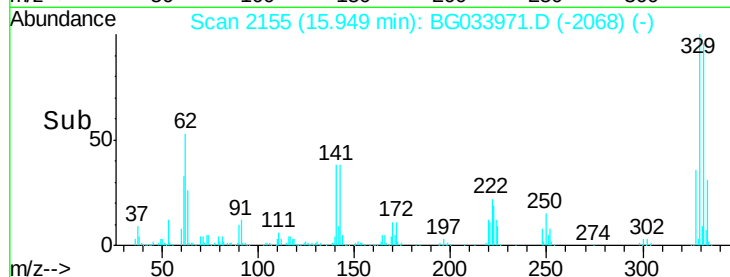
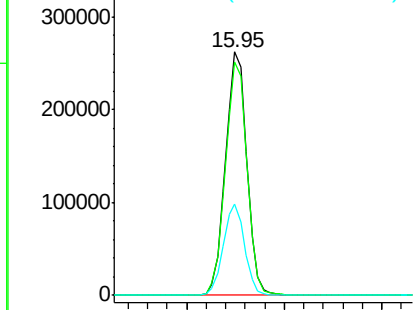
#41
 2,4,6-Tribromophenol
 Concen: 153.702 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033971.D
 Acq: 25 Apr 2018 3:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	37.2	25.2	37.8

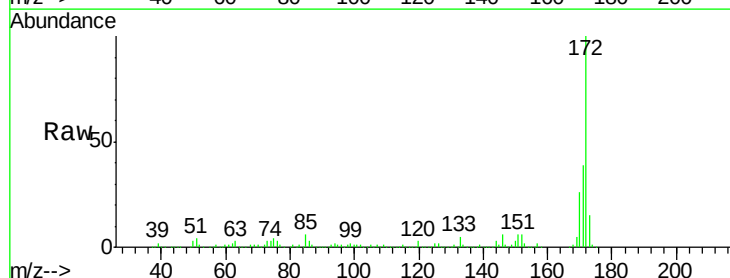


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

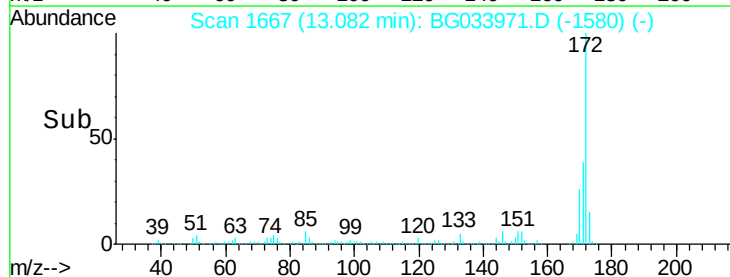
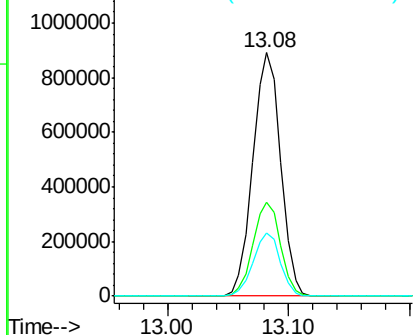


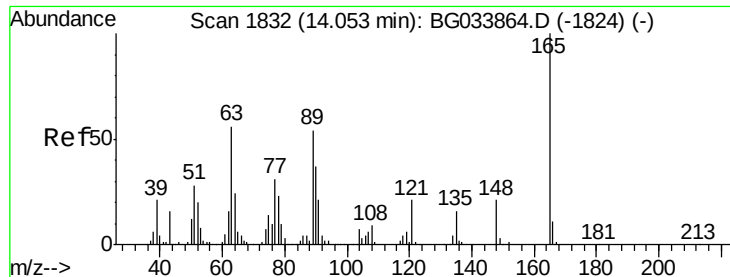
#44
 2-Fluorobiphenyl
 Concen: 94.069 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033971.D
 Acq: 25 Apr 2018 3:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	26.0	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: 7.982 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.40 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Instrument :

BNA_G

ClientSampleId :

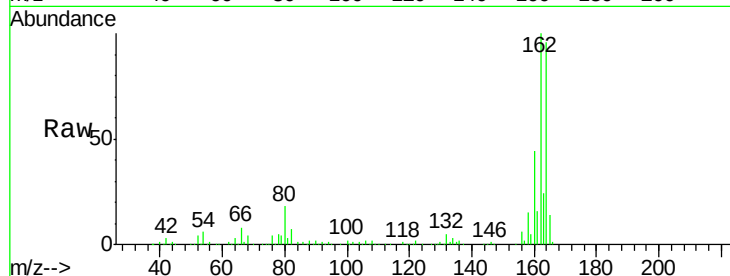
Tot Ion:165 Resp: 29610

Ion Ratio Lower Upper

165 100

63 1.3 52.7 79.1#

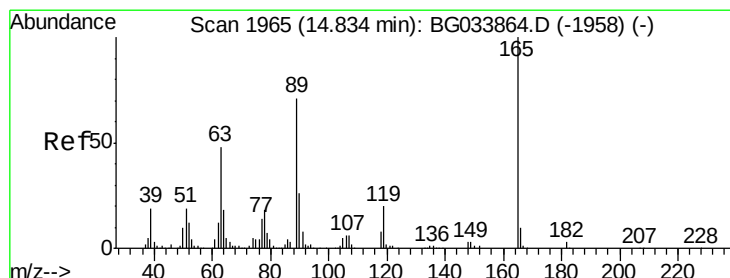
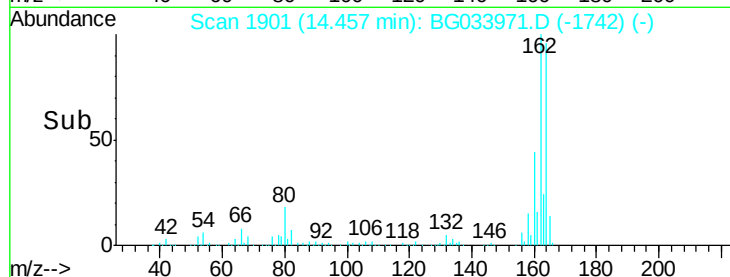
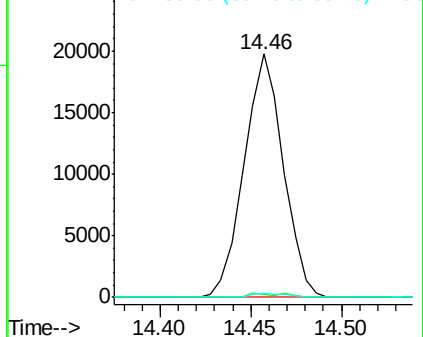
89 1.9 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.003 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Tgt Ion:165 Resp: 29610

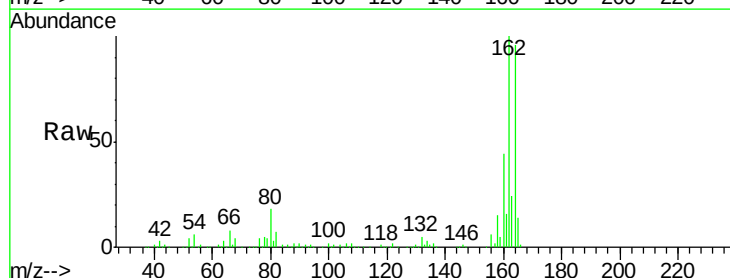
Ion Ratio Lower Upper

165 100

63 1.3 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

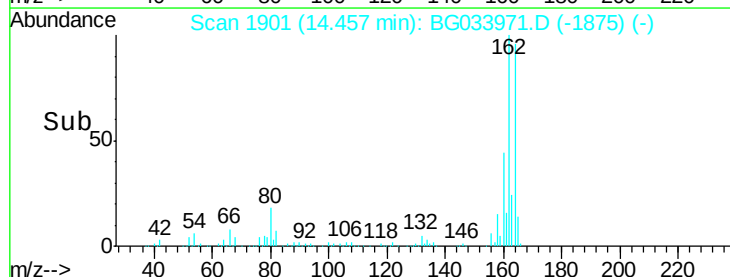
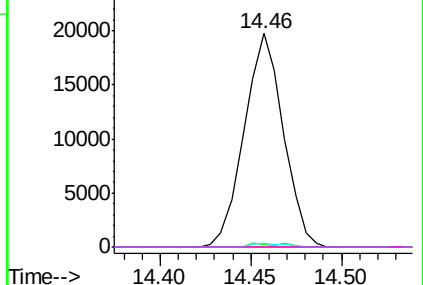


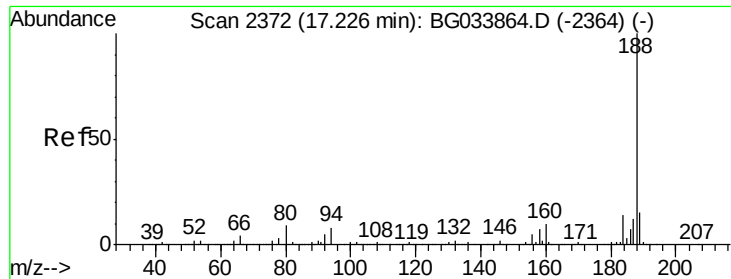
Abundance Ion 165.00 (164.70 to 165.70): E

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

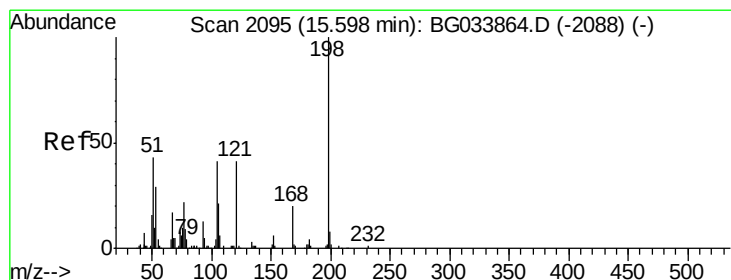
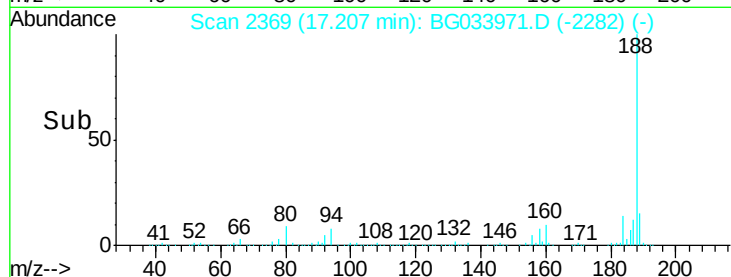
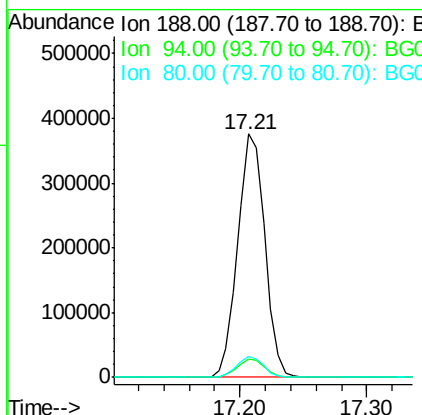
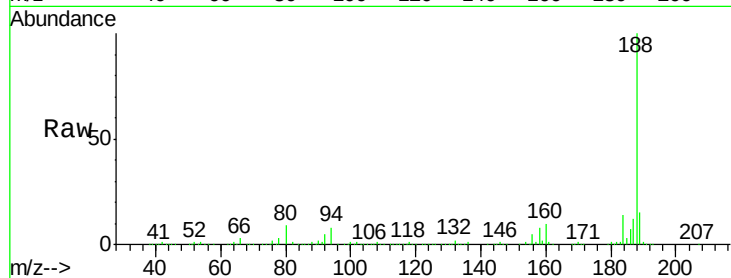




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033971.D
 Acq: 25 Apr 2018 3:04

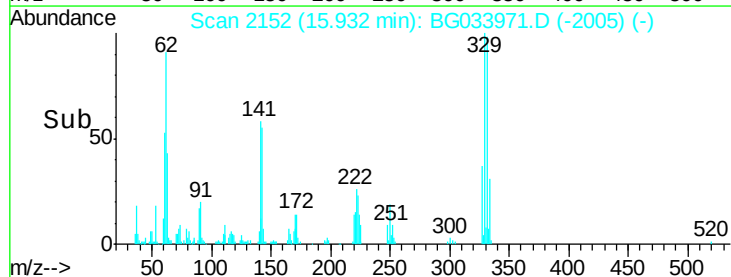
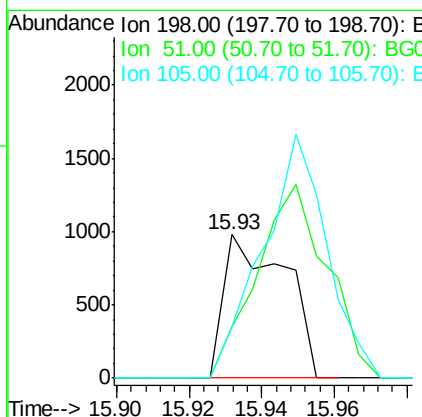
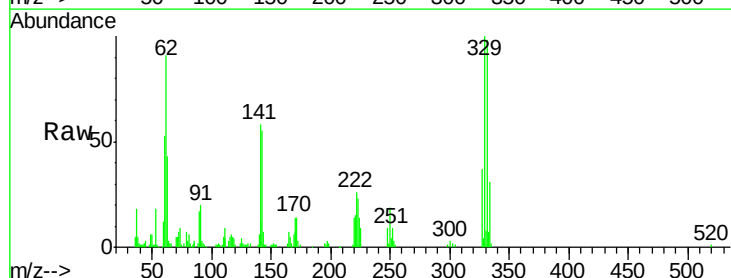
Instrument :
 BNA_G
 ClientSampleId :

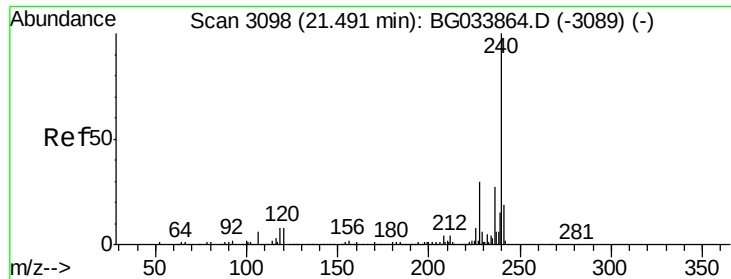
Tot Ion:188 Resp: 554205
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.9 10.3
 80 8.8 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.861 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.33 min
 Lab File: BG033971.D
 Acq: 25 Apr 2018 3:04

Tgt Ion:198 Resp: 1146
 Ion Ratio Lower Upper
 198 100
 51 35.7 30.6 70.6
 105 36.2 23.8 63.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Instrument :

BNA_G

ClientSampleId :

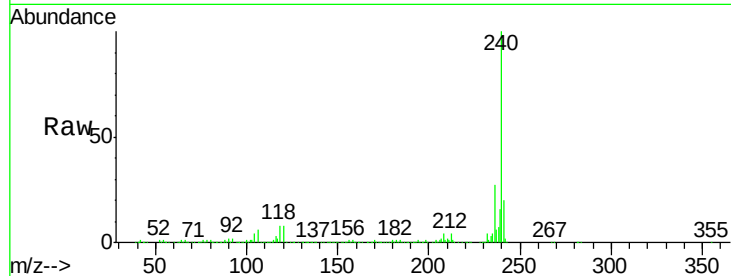
Tot Ion:240 Resp: 644264

Ion Ratio Lower Upper

240 100

120 7.8 6.8 10.2

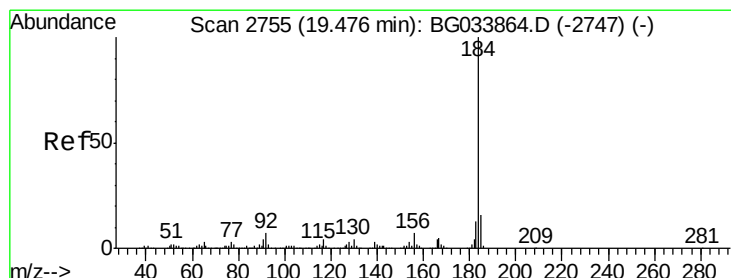
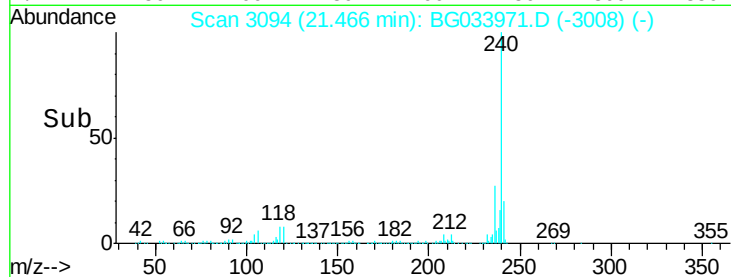
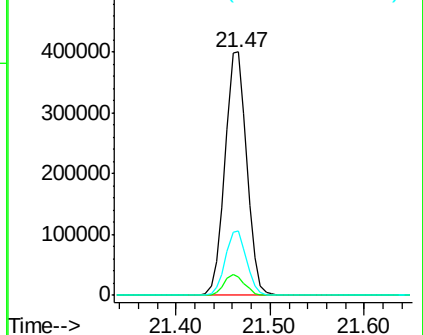
236 26.7 20.9 31.3



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: 2.203 ng

RT: 19.84 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

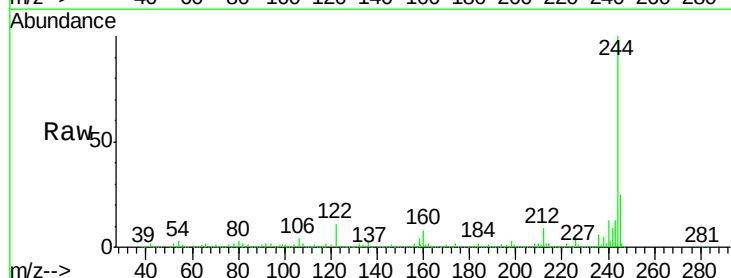
Tgt Ion:184 Resp: 38321

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

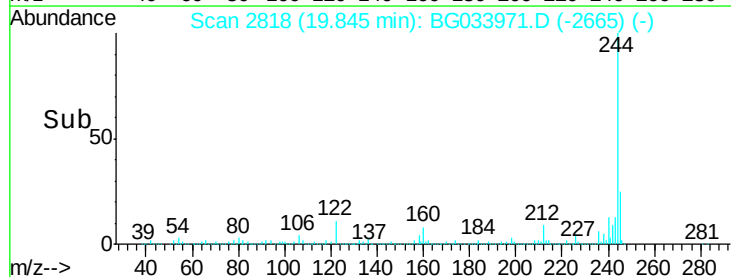
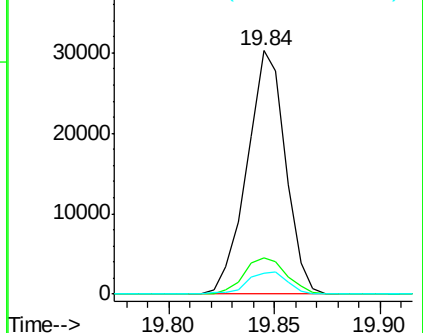
183 8.7 10.6 16.0#

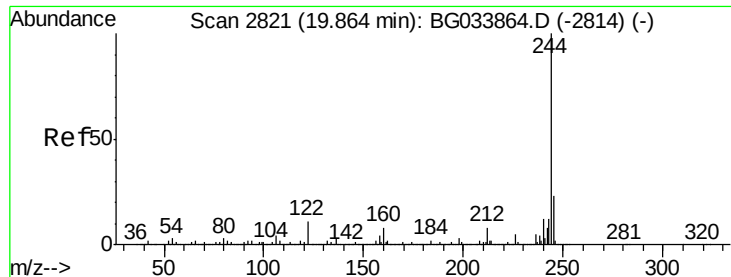


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.754 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

Instrument :

BNA_G

ClientSampleId :

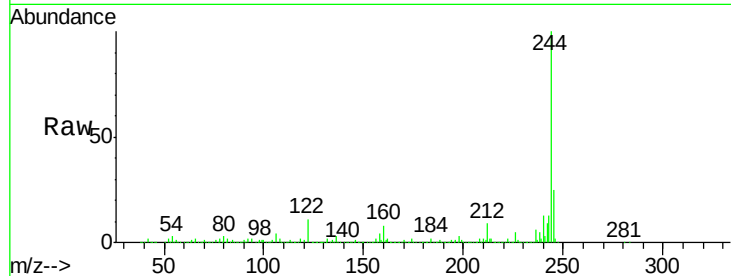
Tot Ion:244 Resp: 2373133

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

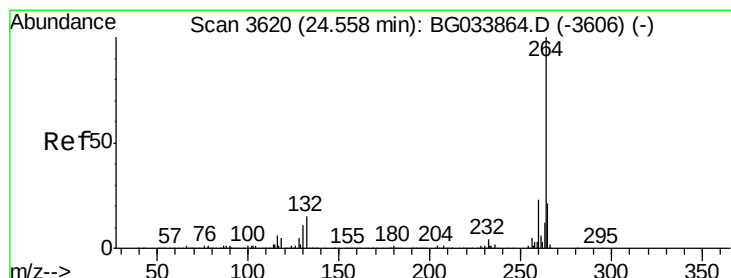
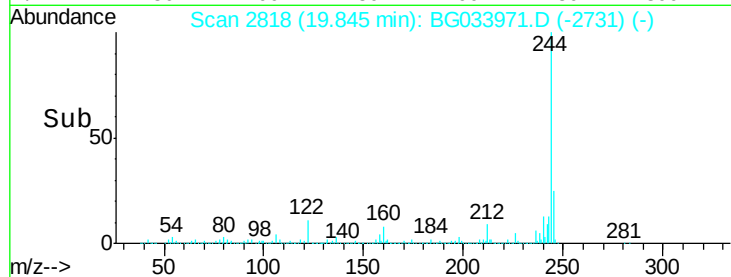
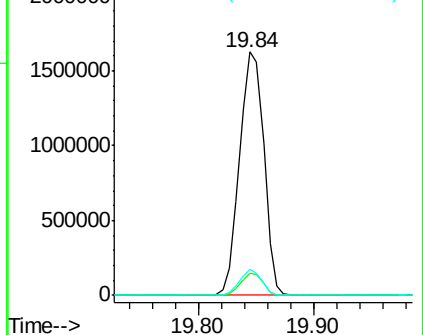
122 10.8 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033971.D

Acq: 25 Apr 2018 3:04

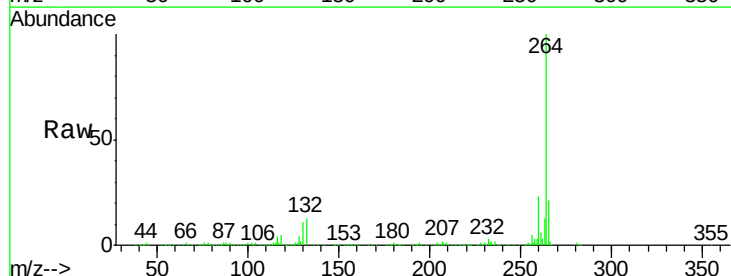
Tgt Ion:264 Resp: 649444

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.4 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

