

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033961.D
 Acq On : 24 Apr 2018 19:26
 Operator : SJ/JU
 Sample : J2512-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:02:28 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

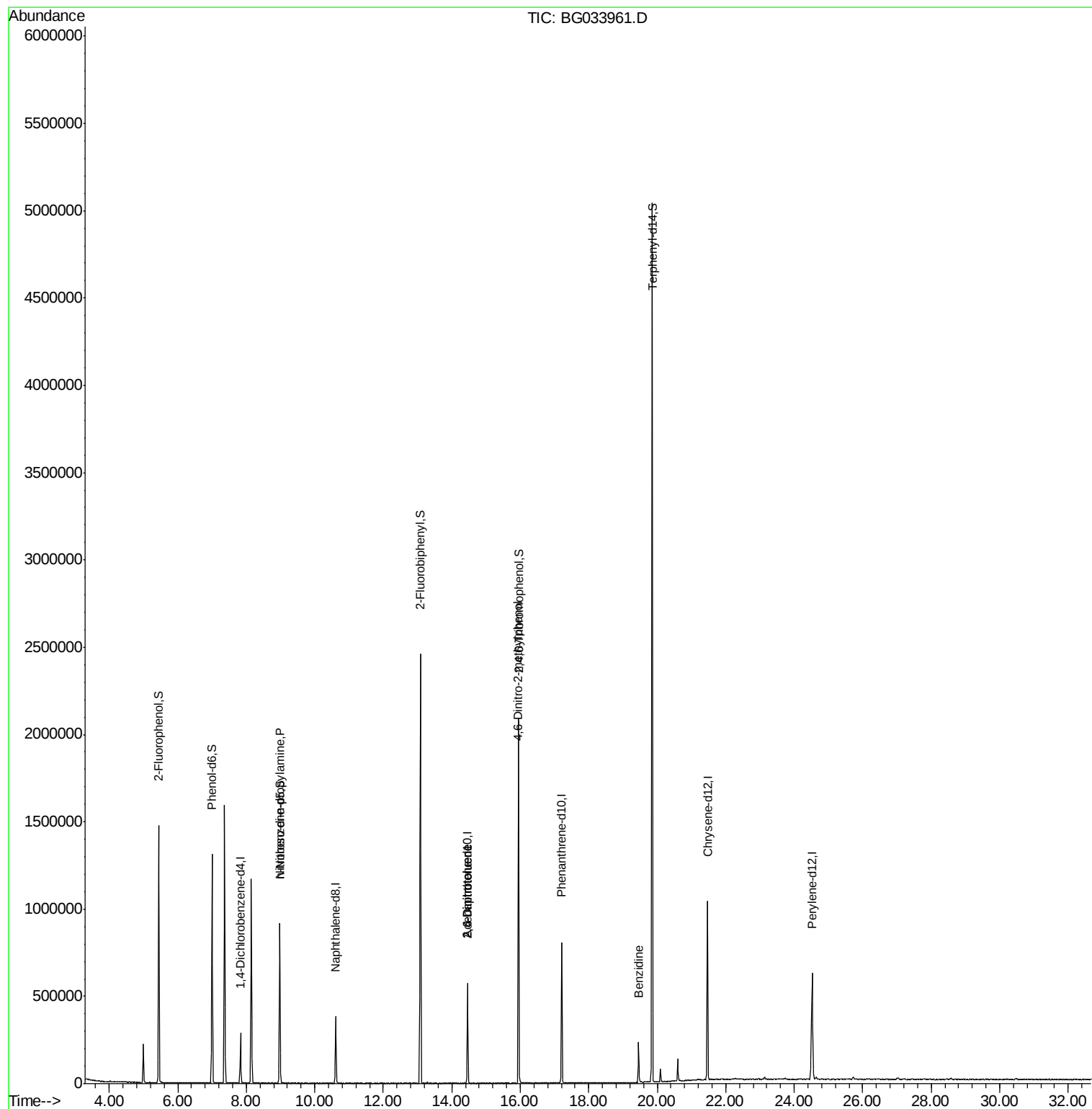
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	77737	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	328099	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	201068	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	512266	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	614647	20.00	ng	-0.03
86) Perylene-d12	24.52	264	624861	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	619301	127.19	ng	0.00
7) Phenol-d6	7.00	99	717747	101.06	ng	0.00
23) Nitrobenzene-d5	8.98	82	552997	95.92	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	376959	160.70	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1268787	92.70	ng	-0.02
78) Terphenyl-d14	19.85	244	2338926	85.49	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.99	77	1270	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	76227	12.592 ng	#	79
50) 2,6-Dinitrotoluene	14.46	165	25749	7.682 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	25749	5.777 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	1410	6.983 ng	#	78
76) Benzidine	19.46	184	126705	7.634 ng		99

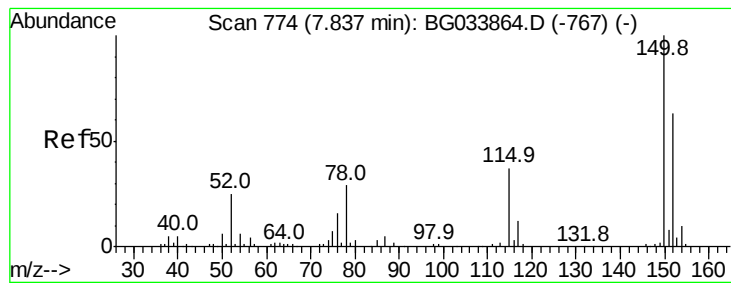
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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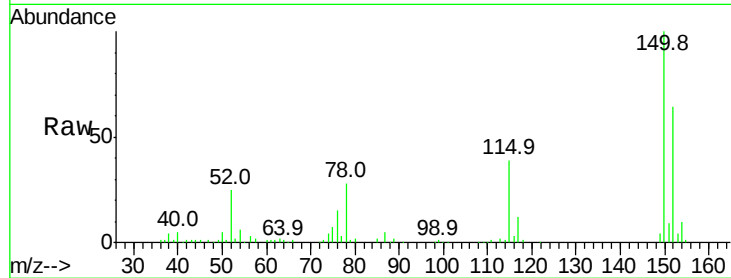


#1

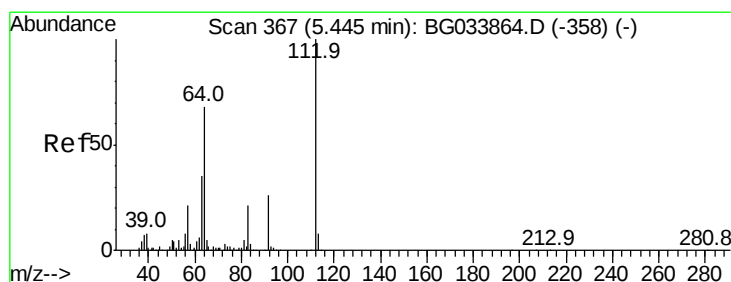
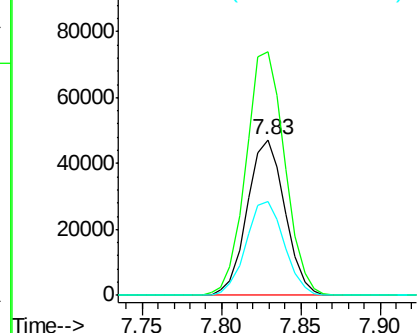
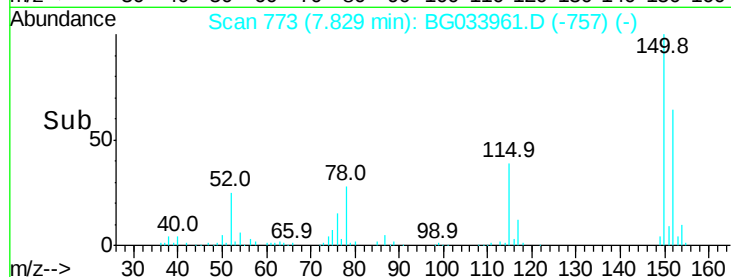
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033961.D
 Acq: 24 Apr 2018 19:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	60.7	53.0	79.4



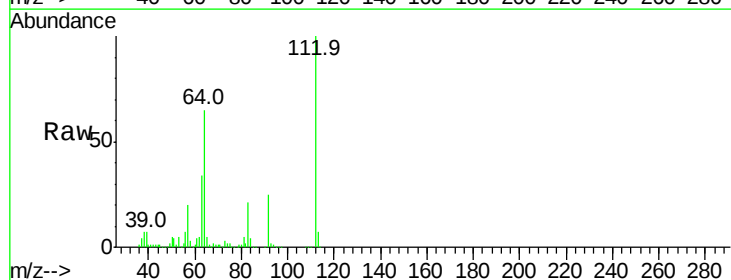
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



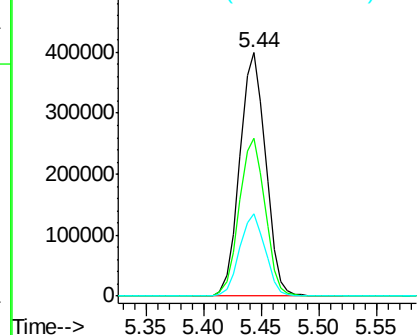
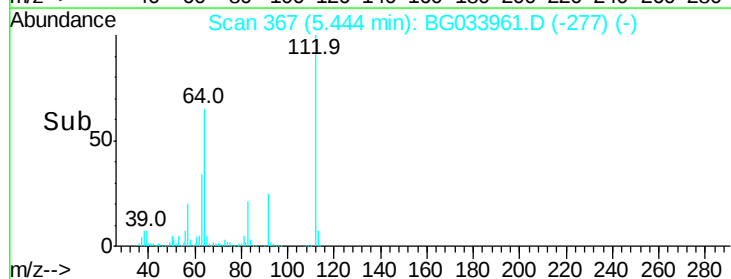
#5

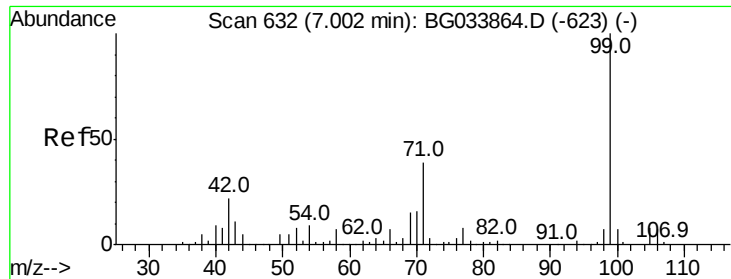
2-Fluorophenol
 Concen: 127.190 ng
 RT: 5.44 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BG033961.D
 Acq: 24 Apr 2018 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	56.3	84.5
63	34.0	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: 101.064 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

Instrument :

BNA_G

ClientSampled :

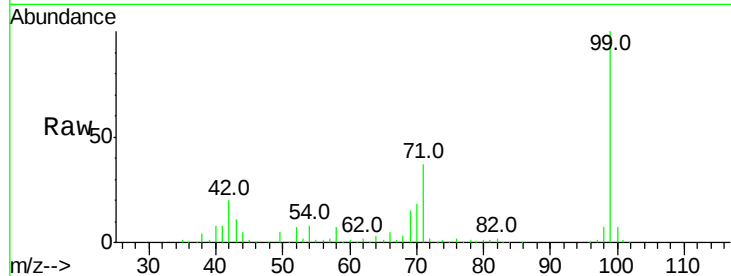
Tot Ion: 99 Resp: 717747

Ion Ratio Lower Upper

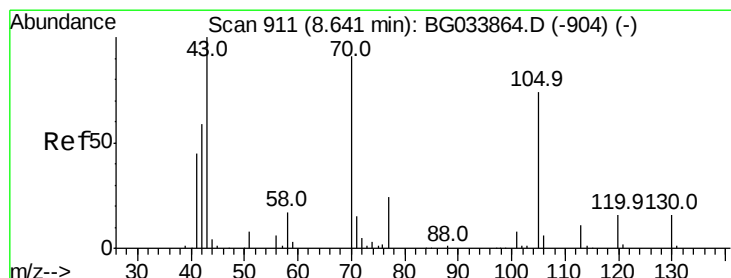
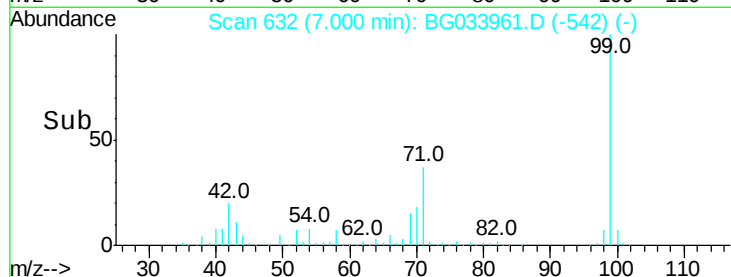
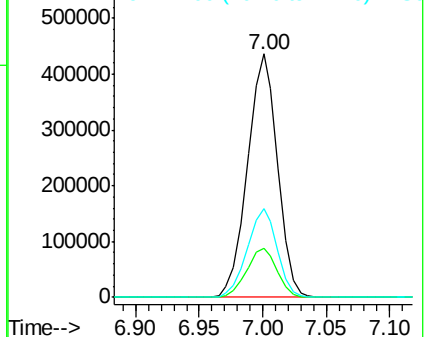
99 100

42 19.9 14.1 21.1

71 36.5 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: 12.592 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

Tgt Ion: 70 Resp: 76227

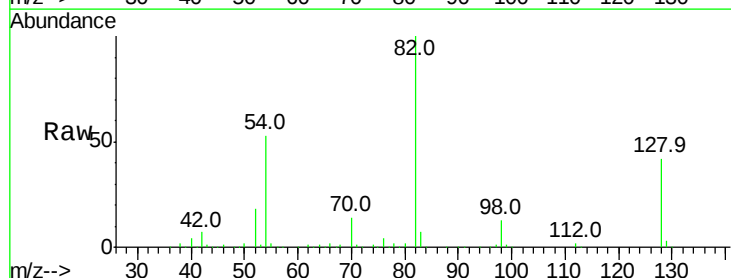
Ion Ratio Lower Upper

70 100

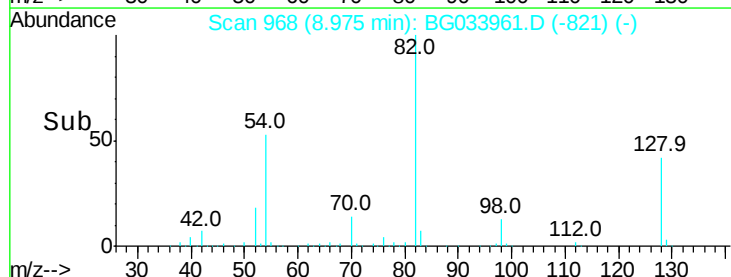
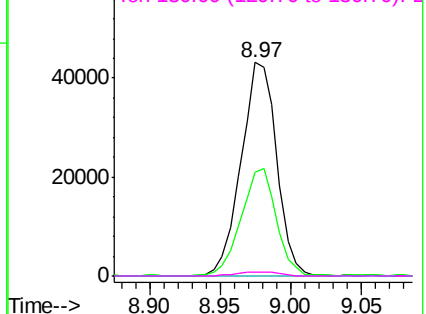
42 48.8 49.1 73.7#

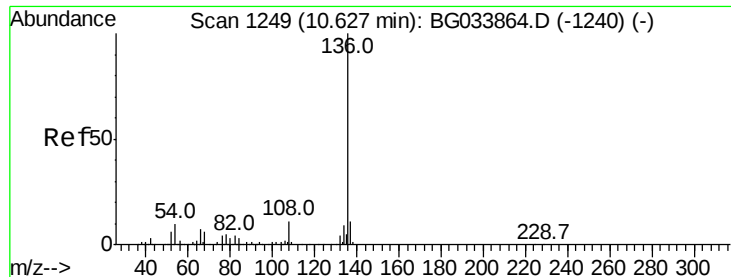
101 0.0 8.5 12.7#

130 1.9 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

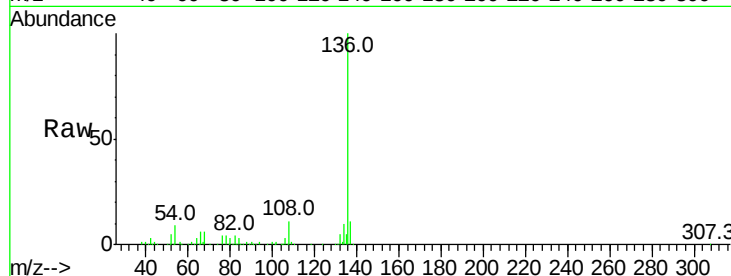




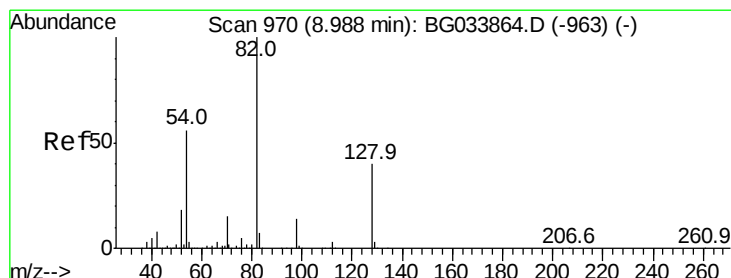
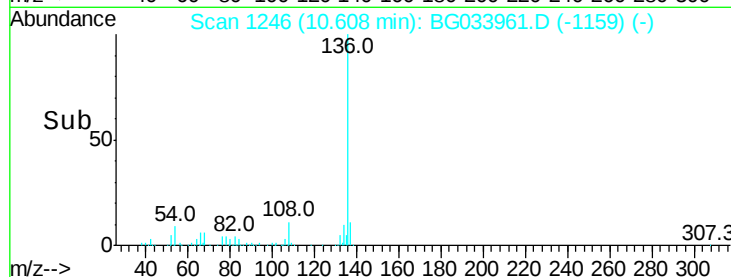
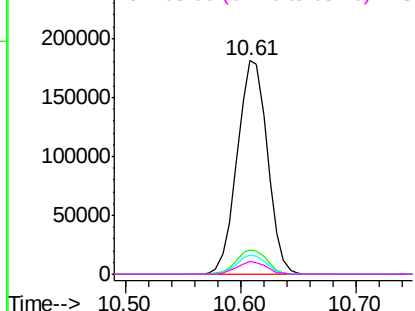
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033961.D
Acq: 24 Apr 2018 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	328099	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.2	13.8	
54 8.9	10.3	15.5#	
68 5.7	4.5	6.7	

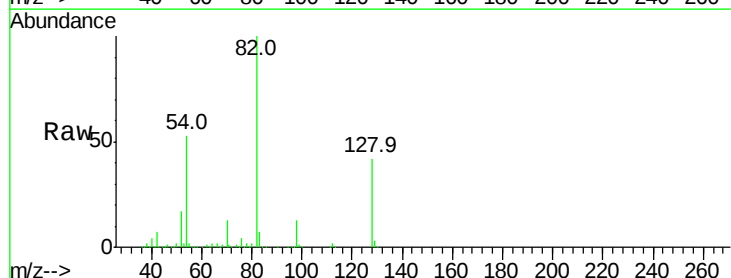


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

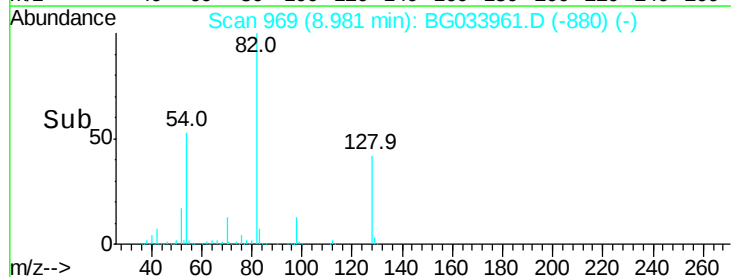
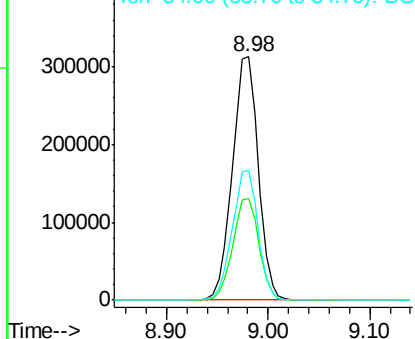


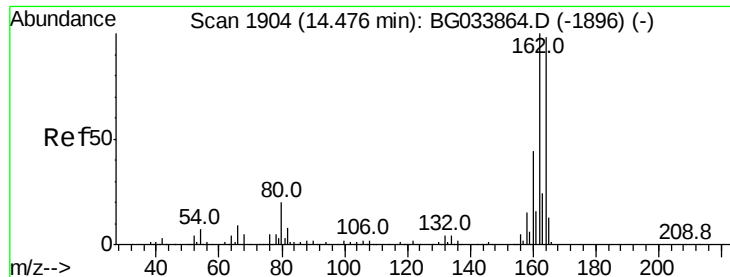
#23
Nitrobenzene-d5
Concen: 95.919 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033961.D
Acq: 24 Apr 2018 19:26

Tgt Ion: 82	Resp: 552997
Ion Ratio	Lower Upper
82 100	
128 41.7	29.7 44.5
54 53.4	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: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

Instrument :

BNA_G

ClientSampleId :

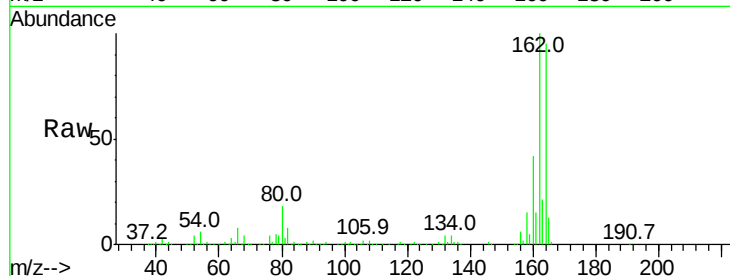
Tot Ion:164 Resp: 201068

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

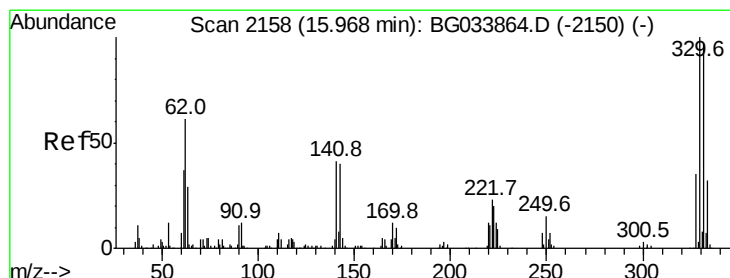
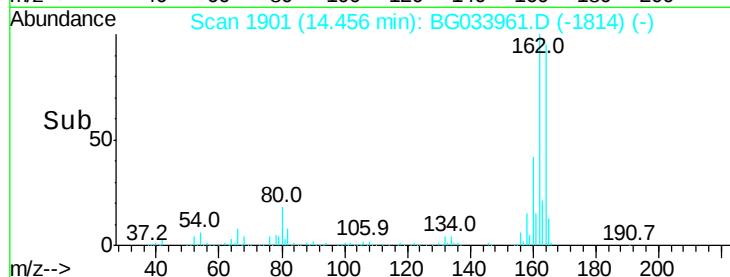
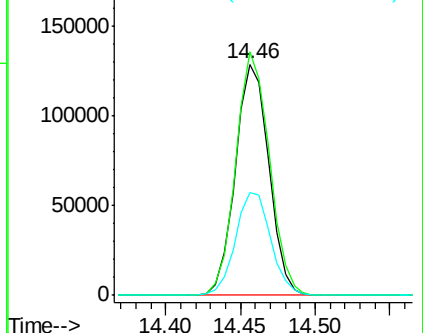
160 44.7 35.4 53.0



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: 160.697 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

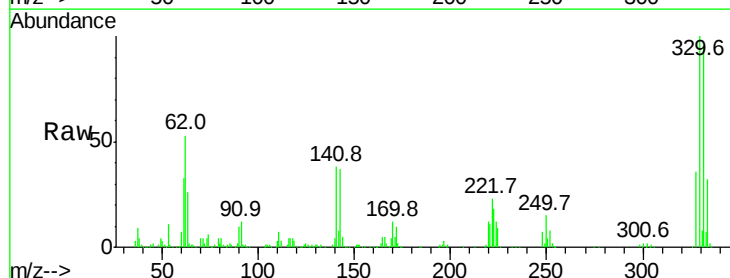
Tgt Ion:330 Resp: 376959

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

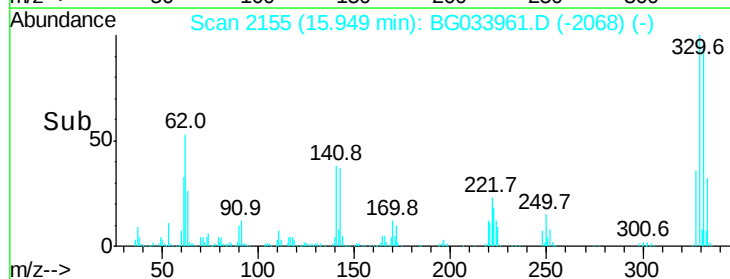
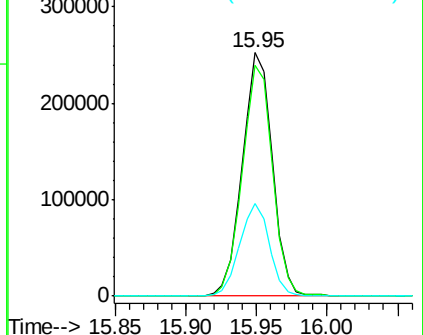
141 37.7 25.2 37.8

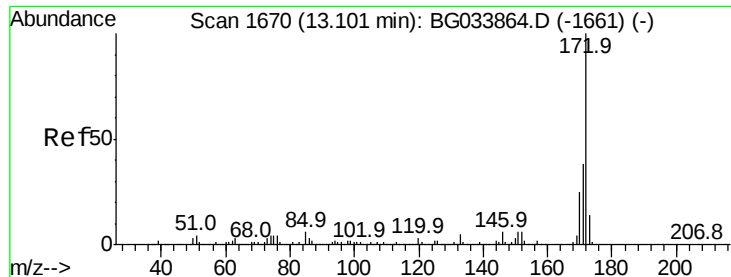


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

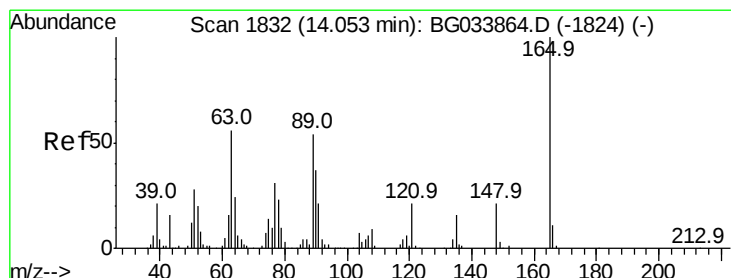
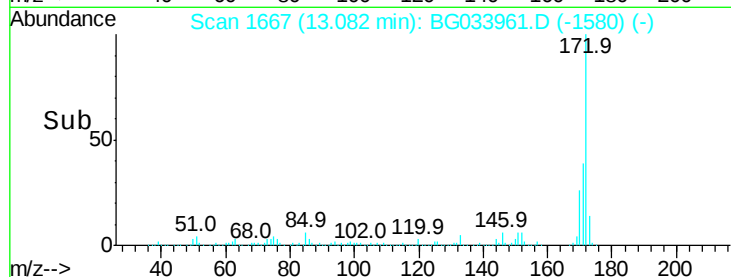
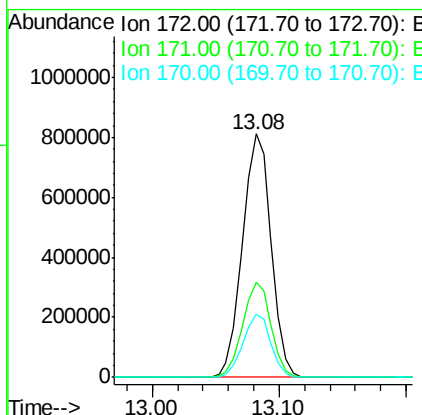
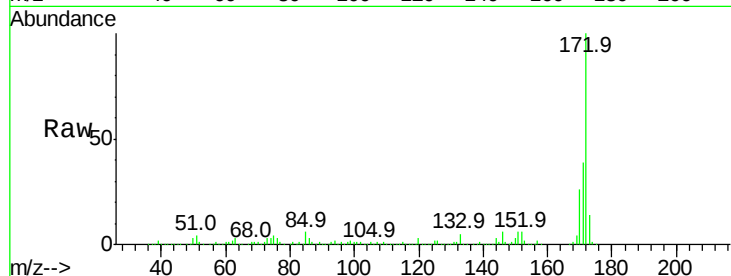




#44
2-Fluorobiphenyl
Concen: 92.699 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033961.D
Acq: 24 Apr 2018 19:26

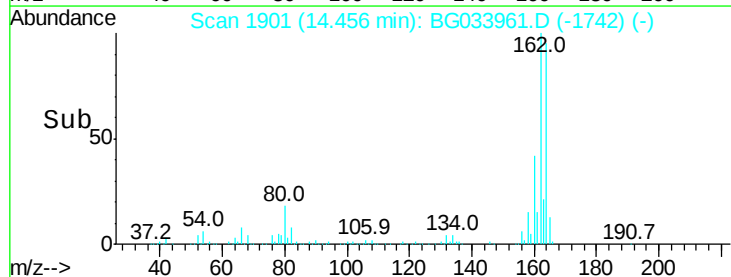
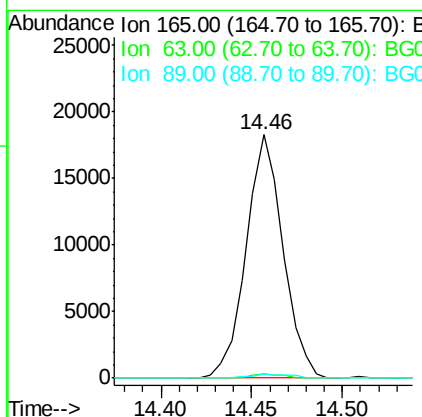
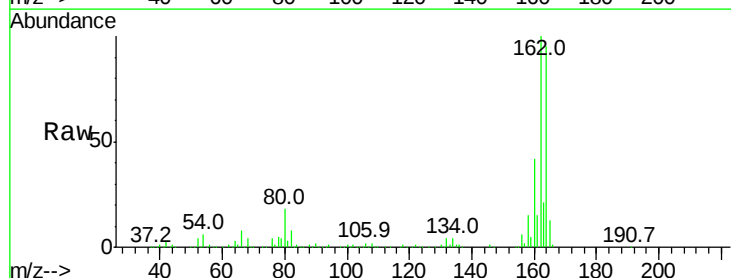
Instrument :
BNA_G
ClientSampleId :

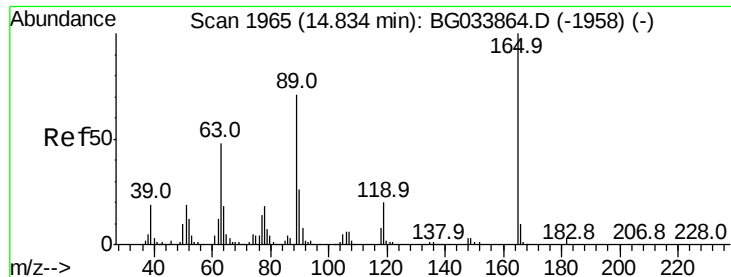
Tot Ion:172 Resp: 1268787
Ion Ratio Lower Upper
172 100
171 39.3 30.0 45.0
170 25.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.682 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033961.D
Acq: 24 Apr 2018 19:26

Tgt Ion:165 Resp: 25749
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 1.7 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.777 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 25749

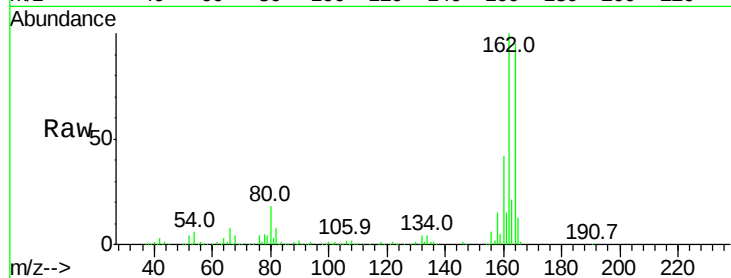
Ion Ratio Lower Upper

165 100

63 1.9 42.0 63.0#

89 1.7 66.9 100.3#

182 0.0 2.6 3.8#

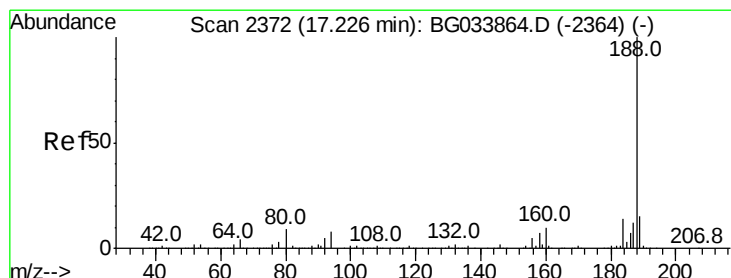
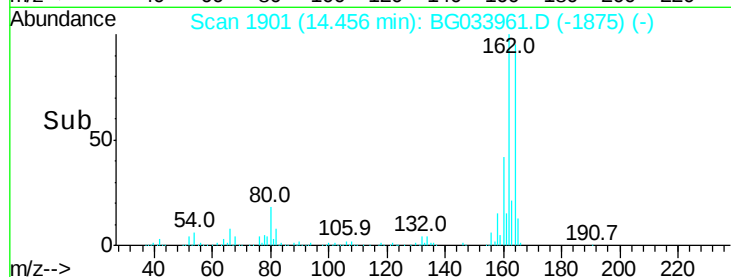
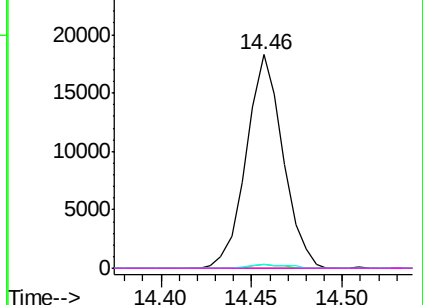


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033961.D

Acq: 24 Apr 2018 19:26

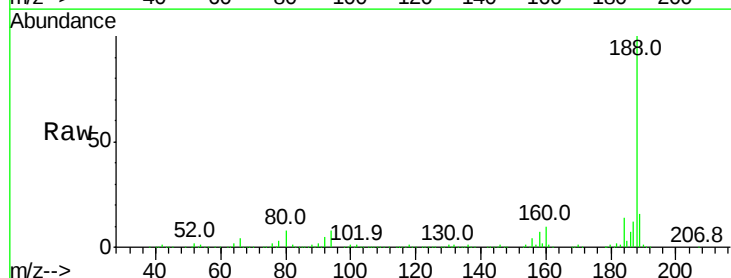
Tgt Ion:188 Resp: 512266

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

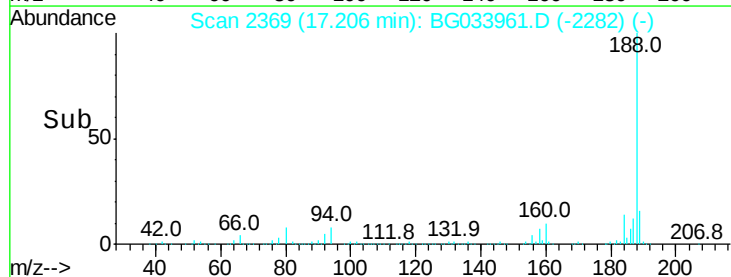
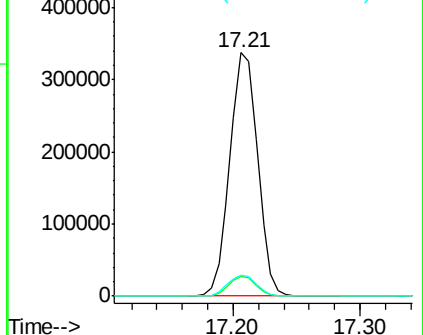
80 8.5 7.7 11.5

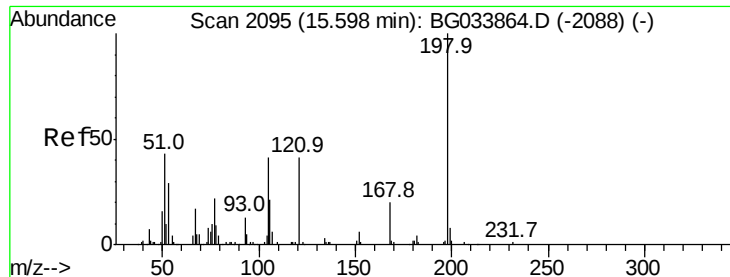


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

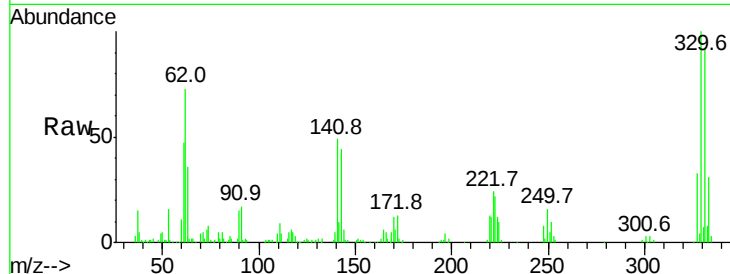




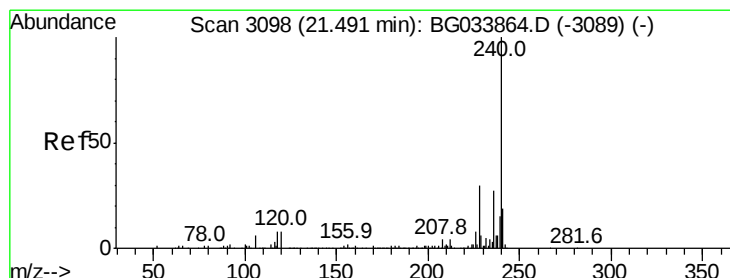
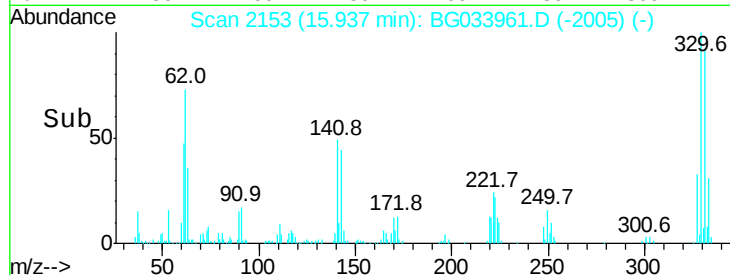
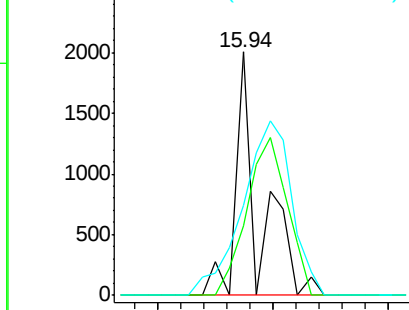
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.983 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033961.D
 Acq: 24 Apr 2018 19:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1410
 Ion Ratio Lower Upper
 198 100
 51 28.7 30.6 70.6#
 105 36.9 23.8 63.8

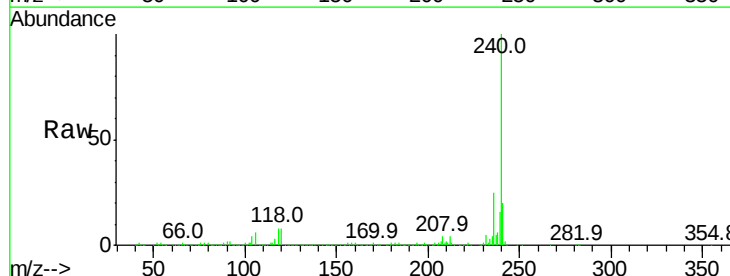


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

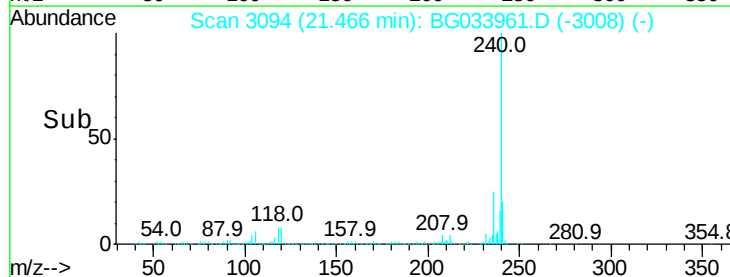
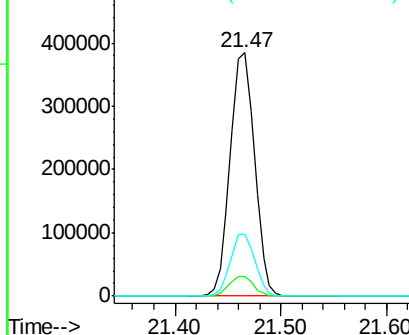


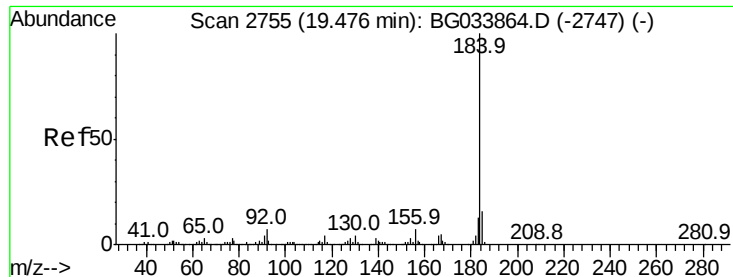
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.03 min
 Lab File: BG033961.D
 Acq: 24 Apr 2018 19:26

Tgt Ion:240 Resp: 614647
 Ion Ratio Lower Upper
 240 100
 120 7.9 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: 7.634 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

Instrument :

BNA_G

ClientSampleId :

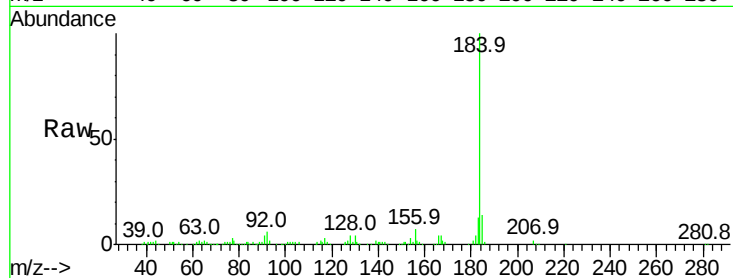
Tot Ion:184 Resp: 126705

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

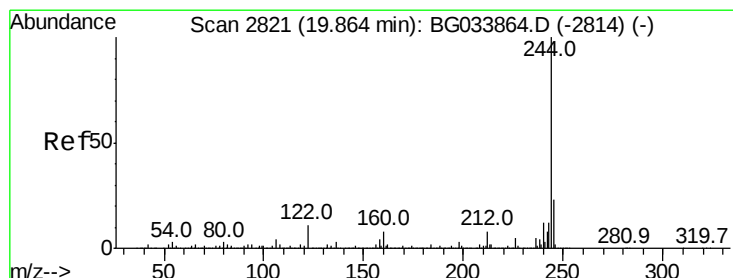
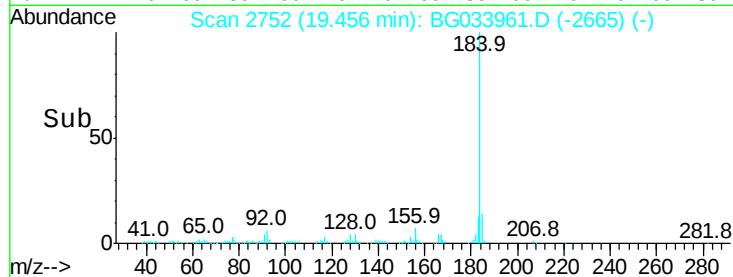
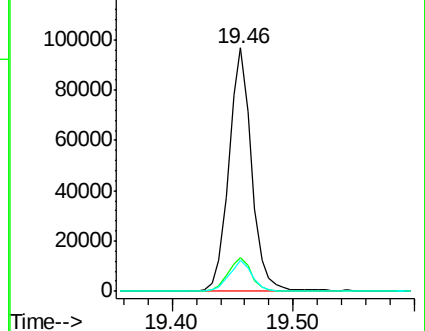
183 12.7 10.6 16.0



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: 85.491 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033961.D

Acq: 24 Apr 2018 19:26

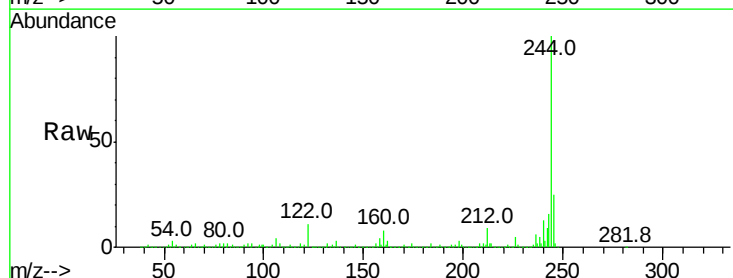
Tgt Ion:244 Resp: 2338926

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

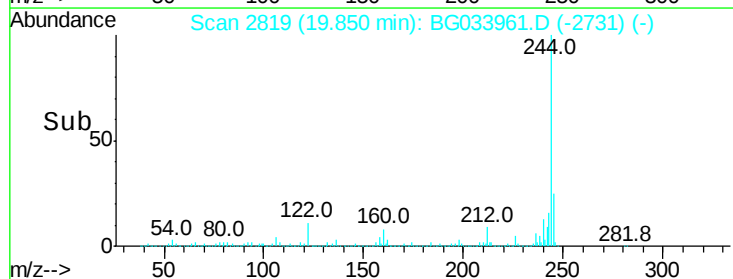
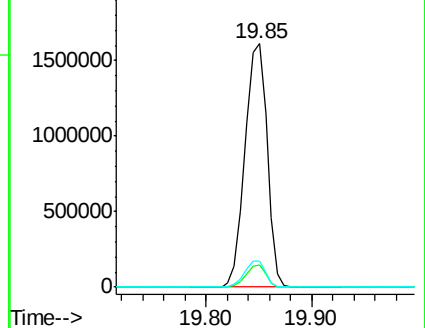
122 10.7 7.0 10.4#

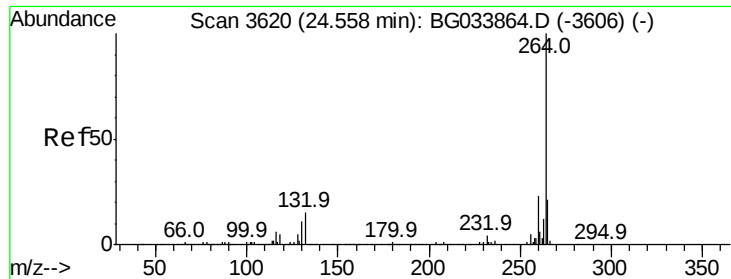


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



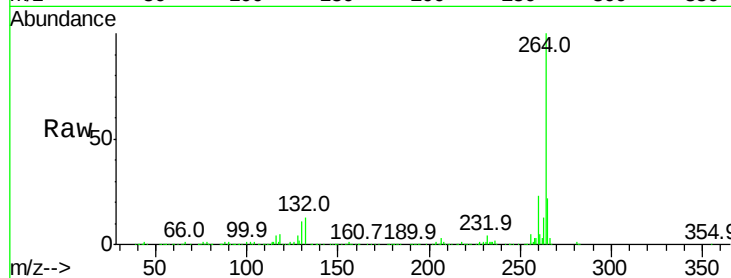


#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.52 min Scan# 3614
Delta R.T. -0.04 min
Lab File: BG033961.D
Acq: 24 Apr 2018 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 624861

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	21.8	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

