

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033967.D
 Acq On : 24 Apr 2018 23:14
 Operator : SJ/JU
 Sample : PB108503BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:04:08 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

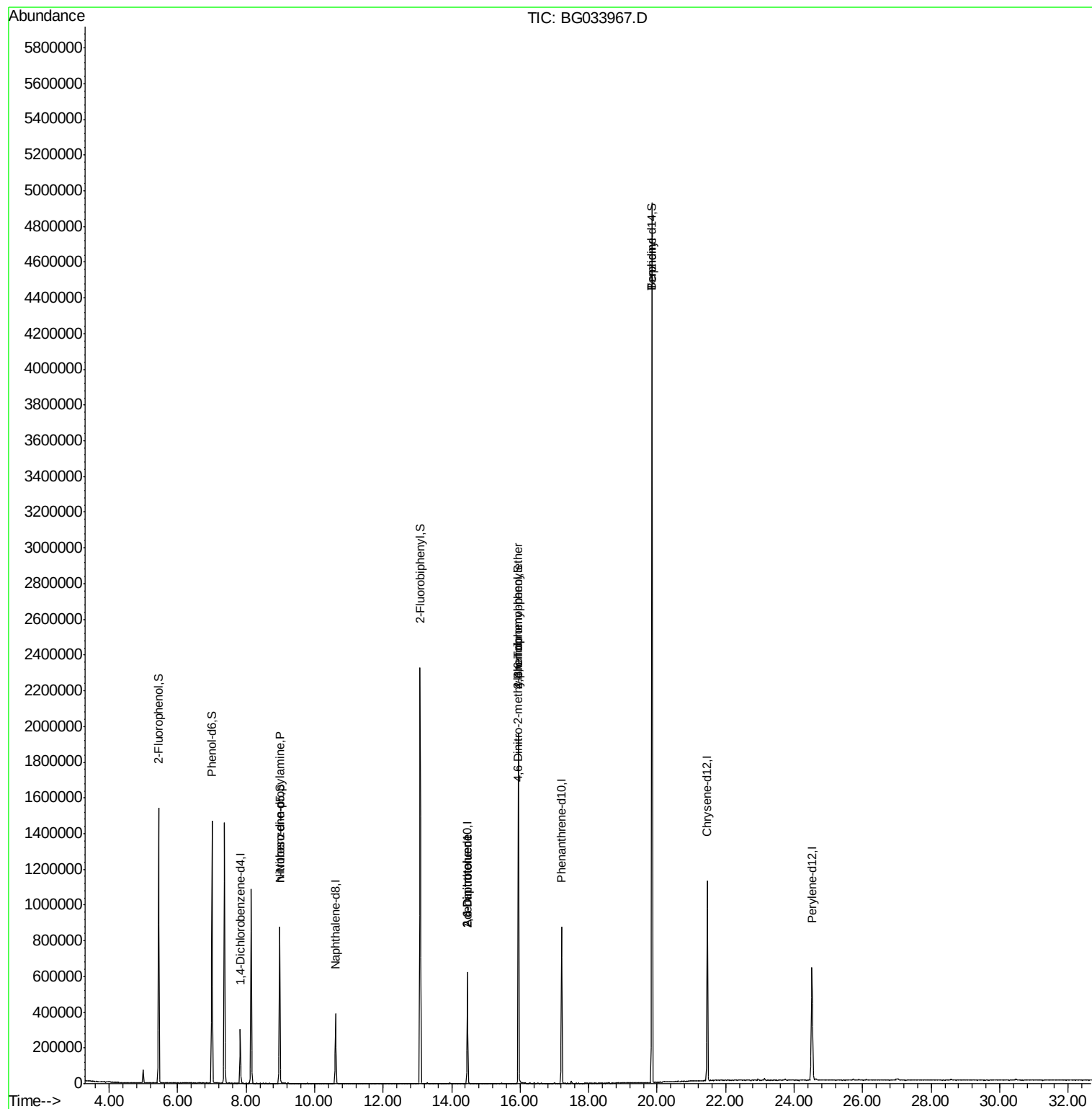
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	83280	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	339737	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	211324	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	547266	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	635667	20.00	ng	-0.03
86) Perylene-d12	24.52	264	645928	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	652014	125.00	ng	0.00
7) Phenol-d6	7.00	99	832615	109.44	ng	0.00
23) Nitrobenzene-d5	8.98	82	511959	85.76	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	361922	146.80	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1226434	85.26	ng	-0.02
78) Terphenyl-d14	19.85	244	2207269	78.01	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1522	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.98	70	70064	10.803 ng	#	79
50) 2,6-Dinitrotoluene	14.45	165	28937	8.214 ng	#	20
56) 2,4-Dinitrotoluene	14.45	165	28937	6.177 ng	#	17
64) 4,6-Dinitro-2-methylphenol	15.93	198	1052	6.834 ng		91
66) 4-Bromophenyl-phenylether	15.95	248	15252	2.538 ng	#	1
76) Benzydine	19.85	184	35967	2.095 ng		98

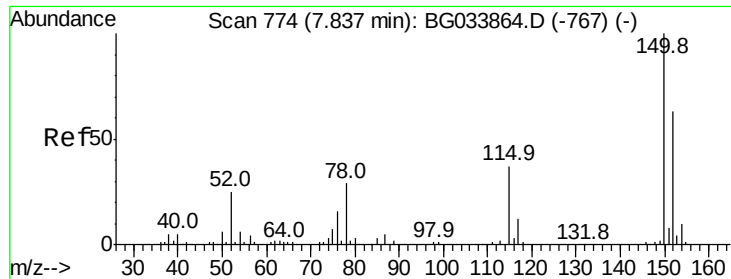
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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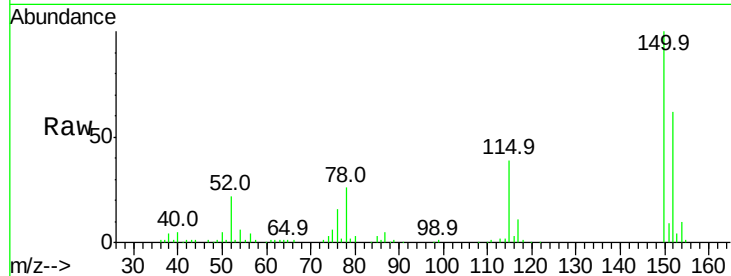


#1

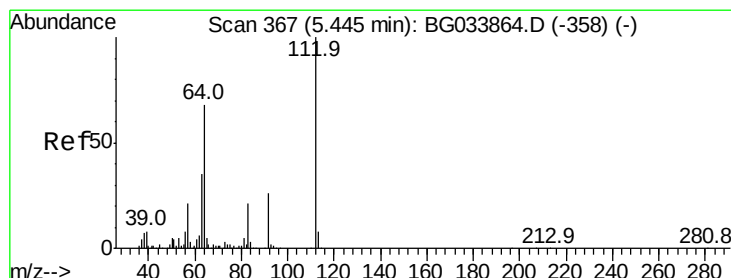
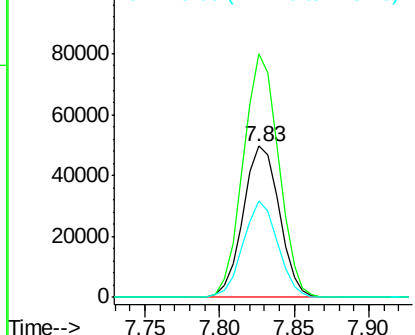
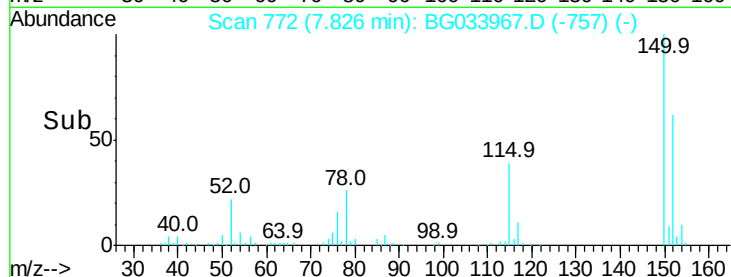
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 83280
Ion Ratio Lower Upper
152 100
150 161.1 126.6 189.8
115 63.5 53.0 79.4



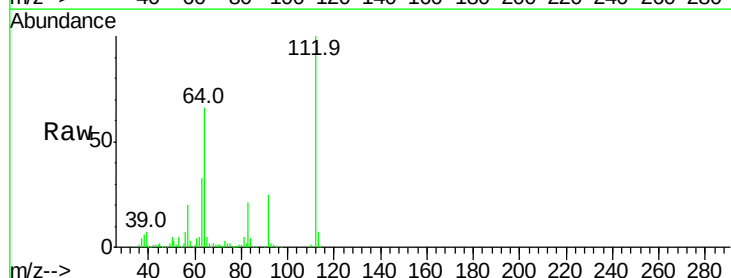
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



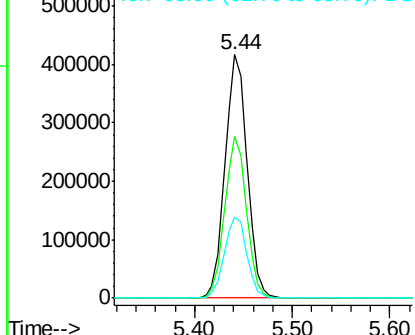
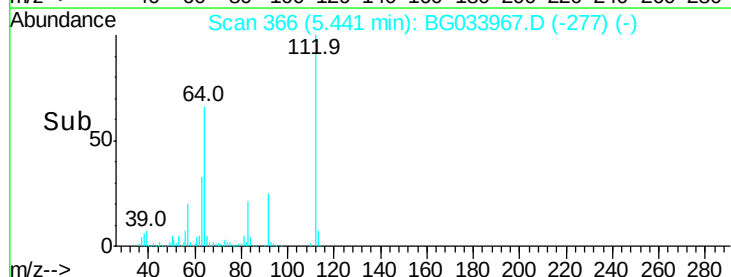
#5

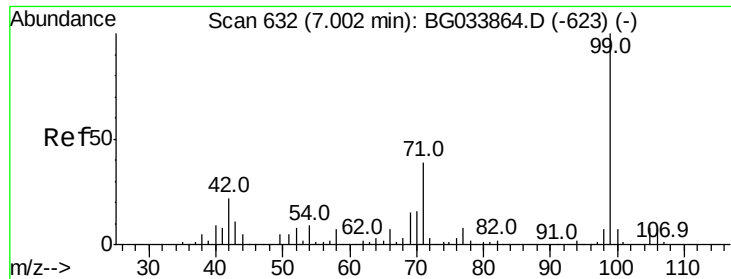
2-Fluorophenol
Concen: 124.995 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Tgt Ion:112 Resp: 652014
Ion Ratio Lower Upper
112 100
64 66.3 56.3 84.5
63 33.3 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: 109.435 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.00 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

Instrument :

BNA_G

ClientSampleId :

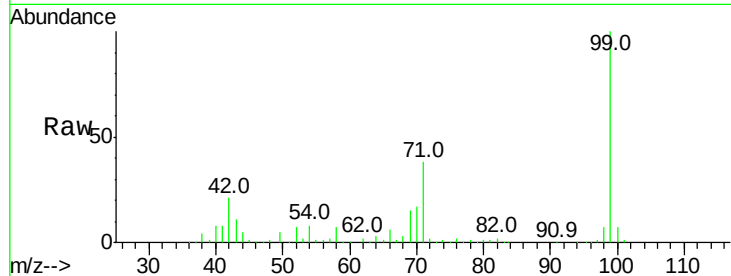
Tot Ion: 99 Resp: 832615

Ion Ratio Lower Upper

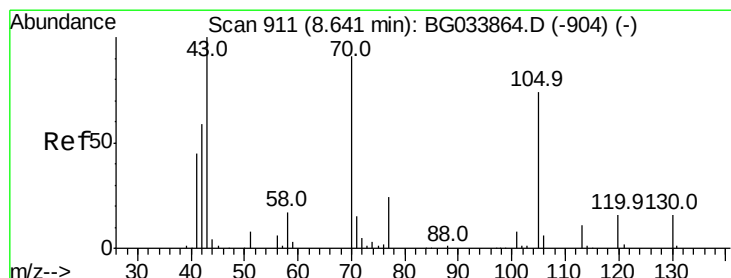
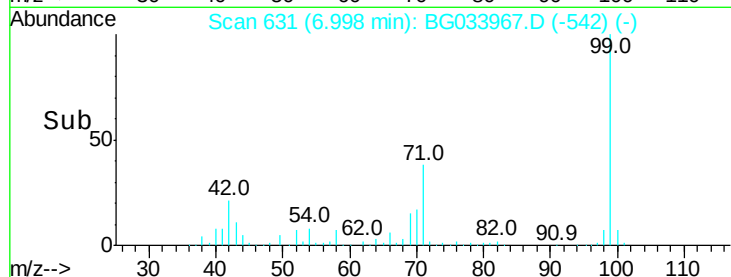
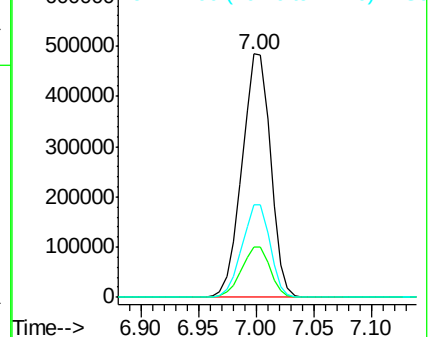
99 100

42 20.7 14.1 21.1

71 38.1 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: 10.803 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

Tgt Ion: 70 Resp: 70064

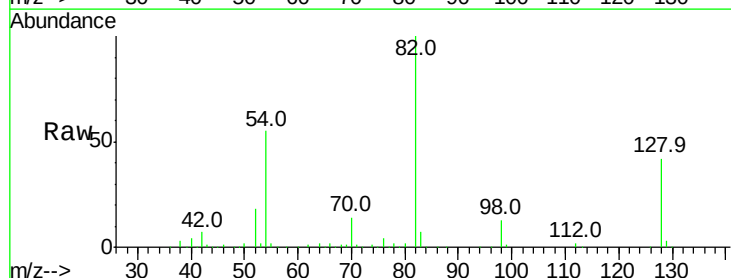
Ion Ratio Lower Upper

70 100

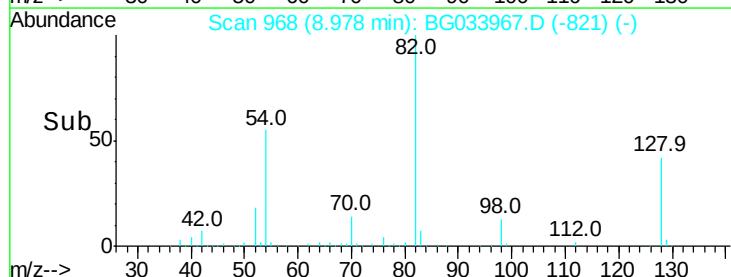
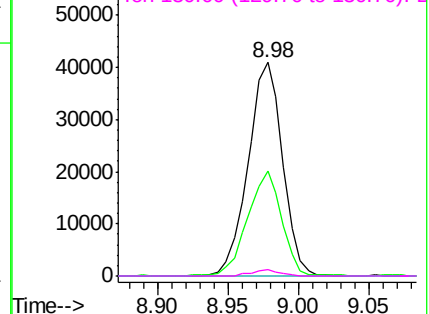
42 48.9 49.1 73.7#

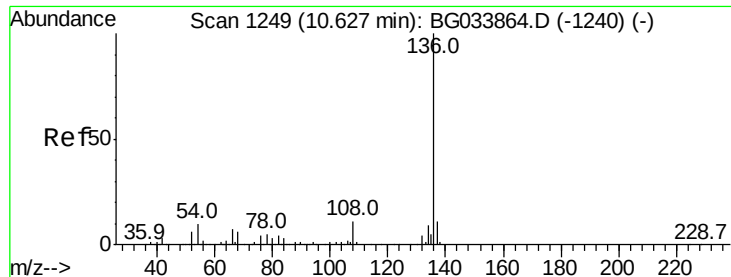
101 0.0 8.5 12.7#

130 3.2 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

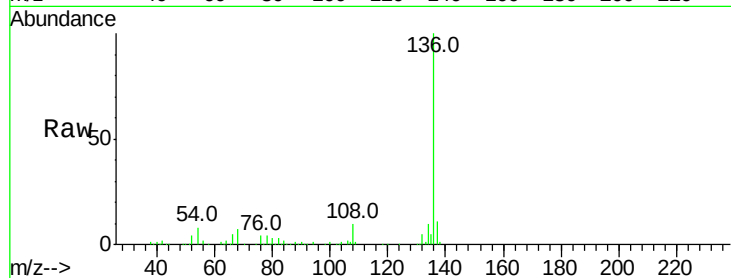




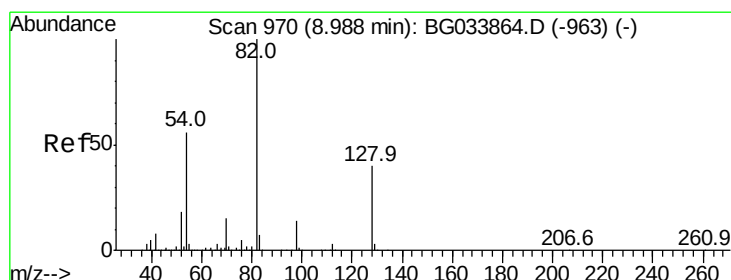
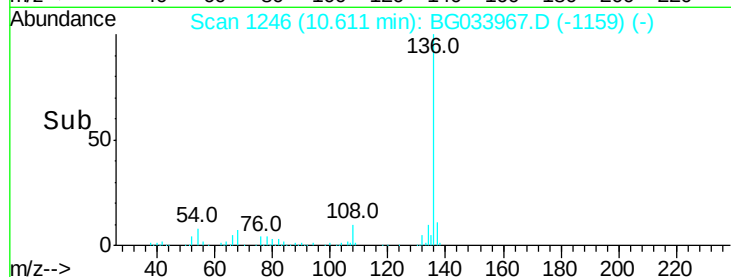
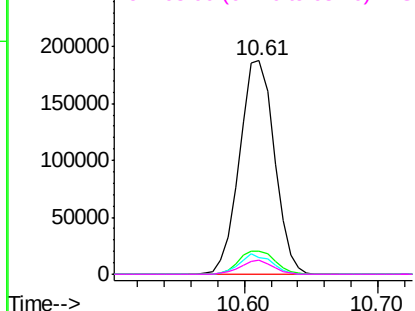
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	339737
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.2	13.8
54 7.9	10.3	15.5#
68 6.6	4.5	6.7

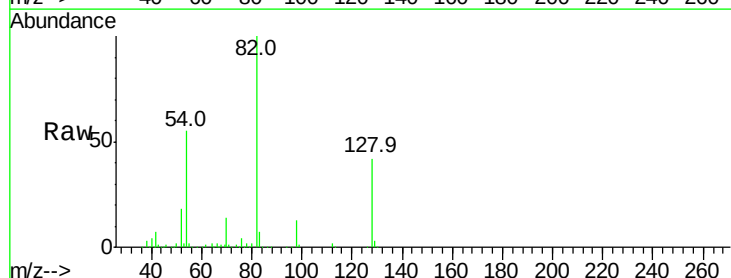


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

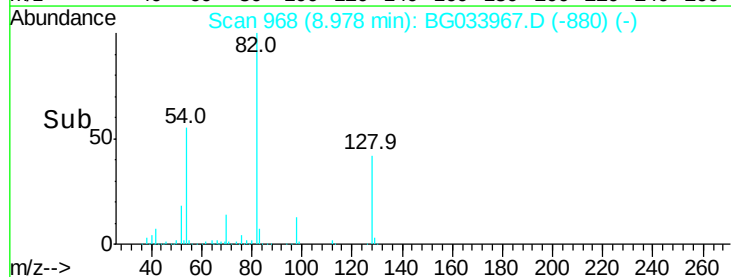
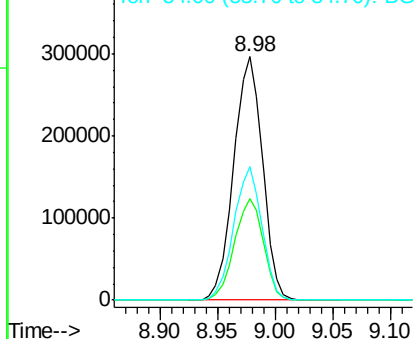


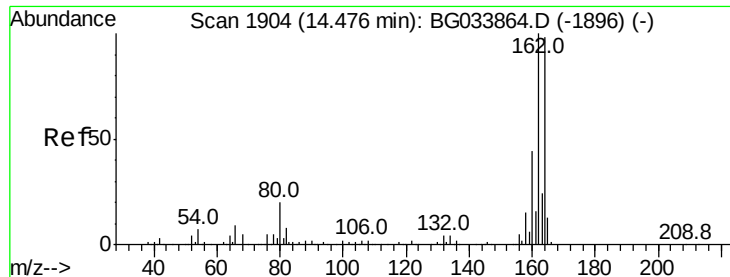
#23
Nitrobenzene-d5
Concen: 85.759 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Tgt Ion: 82	Resp: 511959
Ion Ratio	Lower Upper
82 100	
128 41.9	29.7 44.5
54 54.7	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: BG033967.D

Acq: 24 Apr 2018 23:14

Instrument :

BNA_G

ClientSampleId :

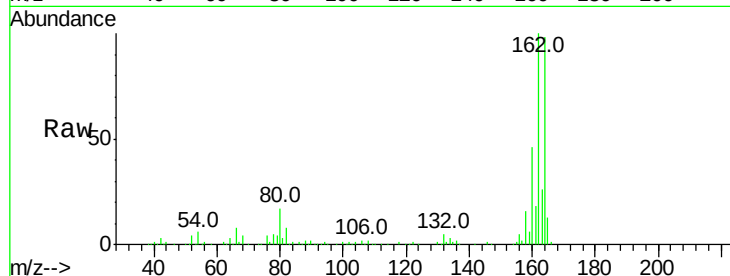
Tot Ion:164 Resp: 211324

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

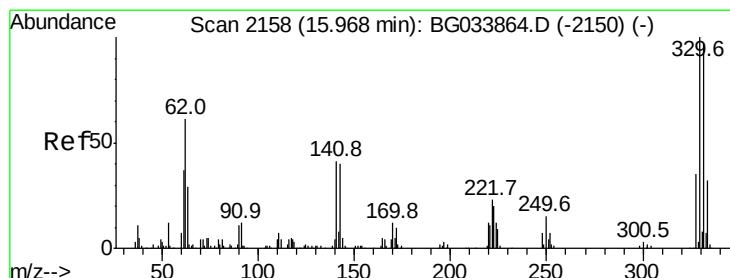
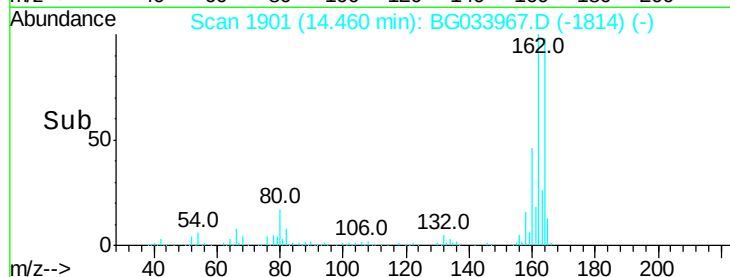
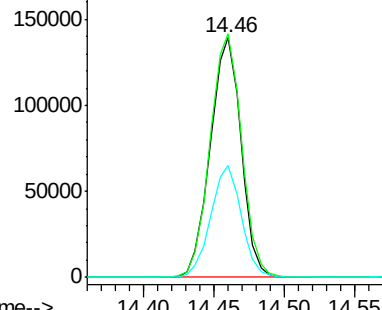
160 46.8 35.4 53.0



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: 146.799 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

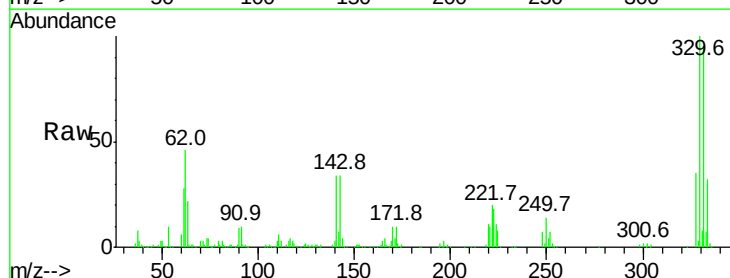
Tgt Ion:330 Resp: 361922

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

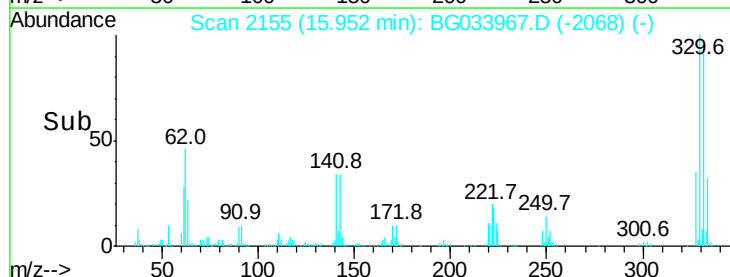
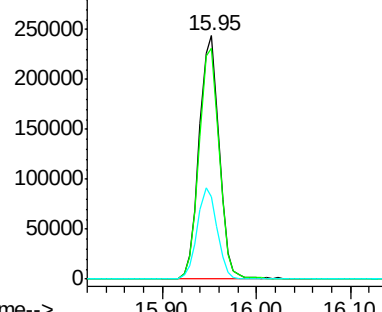
141 37.3 25.2 37.8

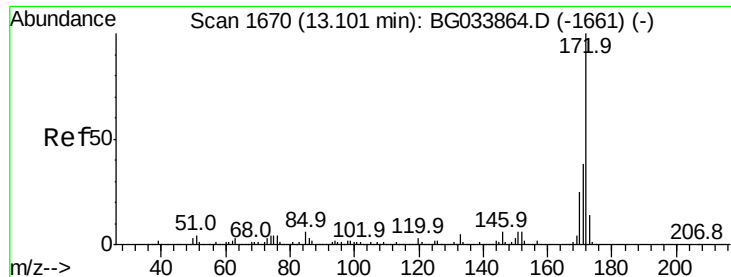


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

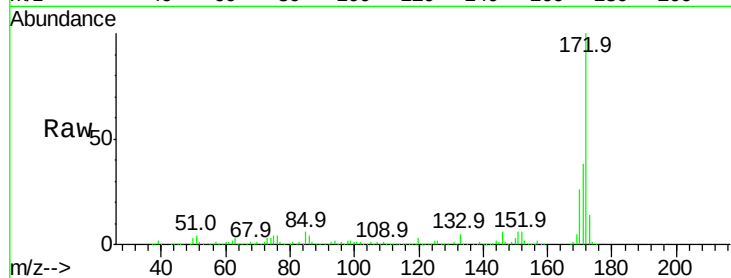




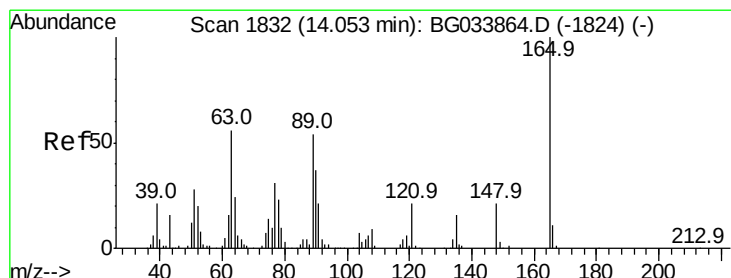
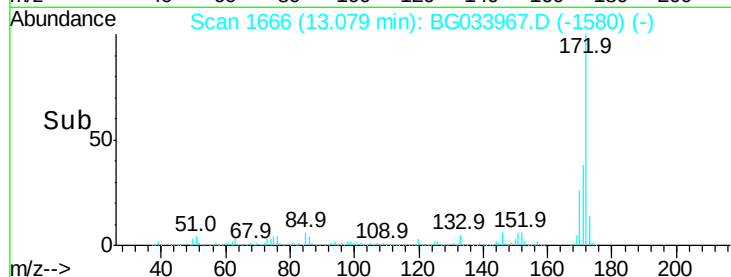
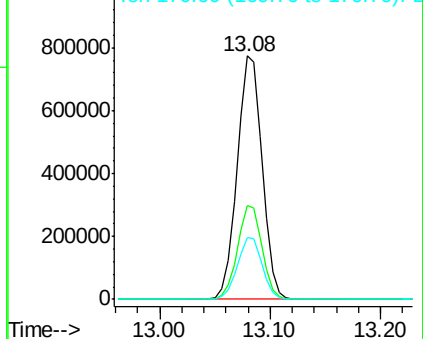
#44
2-Fluorobiphenyl
Concen: 85.256 ng
RT: 13.08 min Scan# 1666
Delta R.T. -0.02 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1226434
Ion Ratio Lower Upper
172 100
171 38.4 30.0 45.0
170 25.6 19.5 29.3

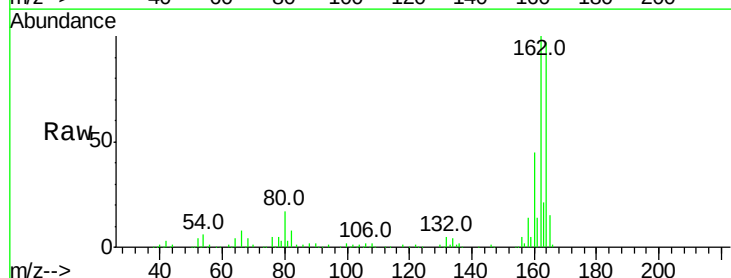


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

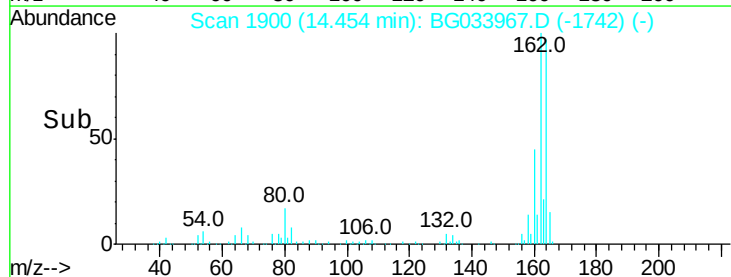
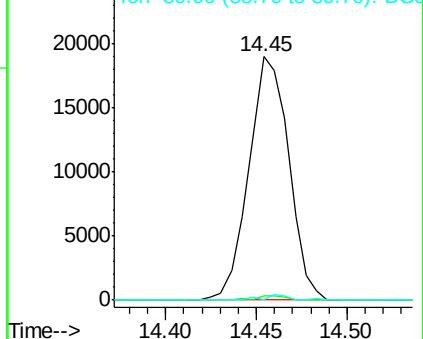


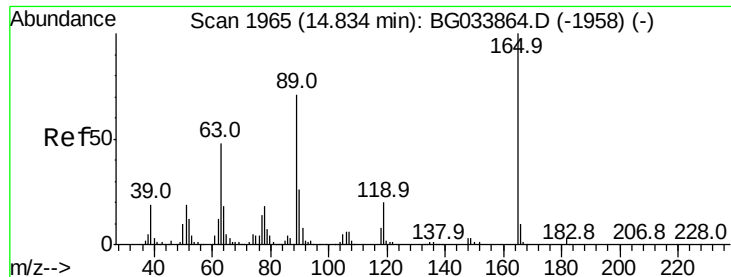
#50
2,6-Dinitrotoluene
Concen: 8.214 ng
RT: 14.45 min Scan# 1900
Delta R.T. 0.40 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Tgt Ion:165 Resp: 28937
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

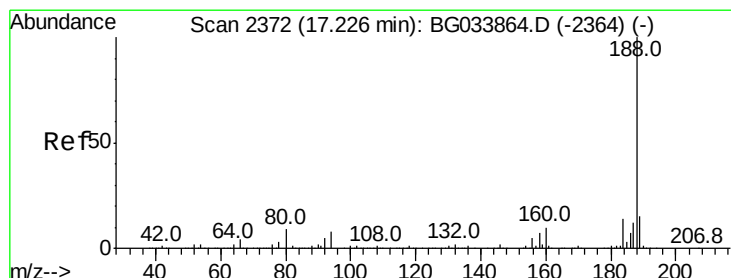
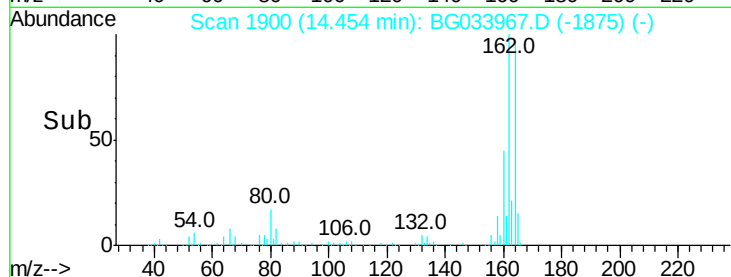
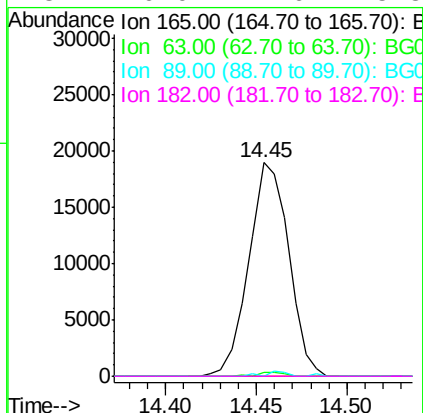
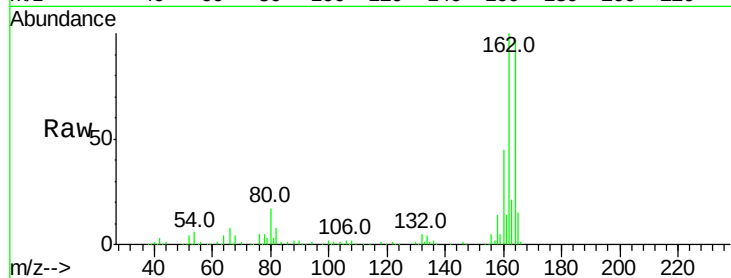




#56
 2,4-Dinitrotoluene
 Concen: 6.177 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. -0.38 min
 Lab File: BG033967.D
 Acq: 24 Apr 2018 23:14

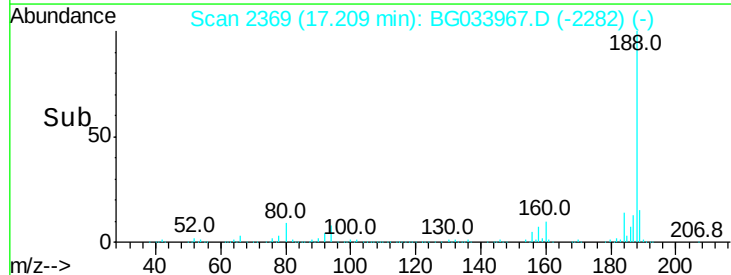
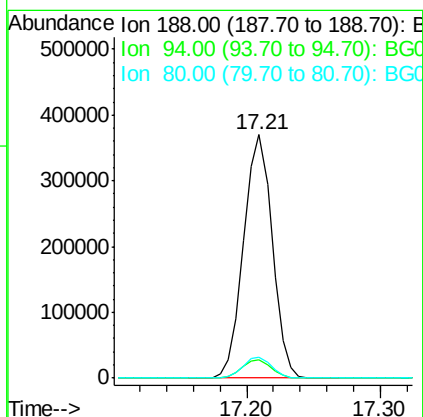
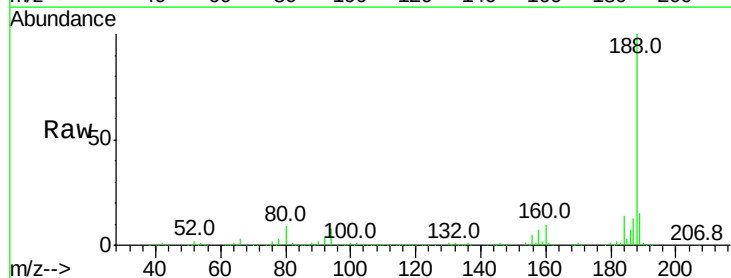
Instrument :
 BNA_G
 ClientSampleId :

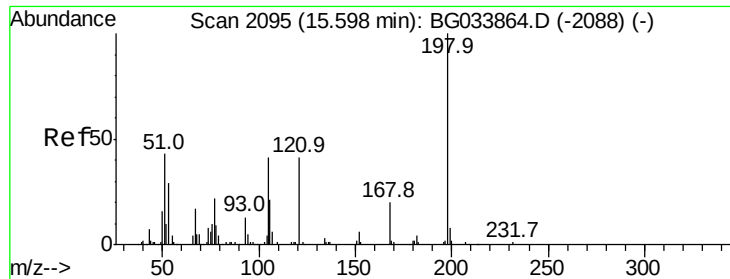
Tot Ion:165 Resp: 28937
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033967.D
 Acq: 24 Apr 2018 23:14

Tgt Ion:188 Resp: 547266
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.9 10.3
 80 8.8 7.7 11.5

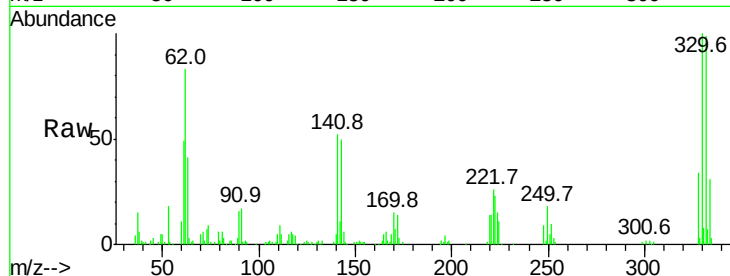




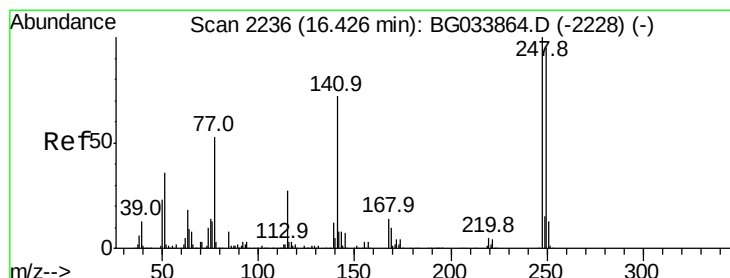
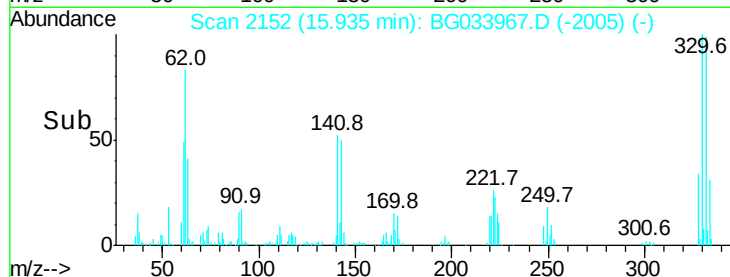
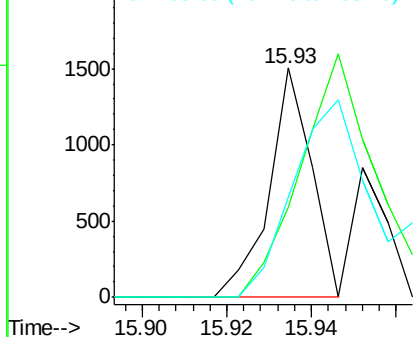
#64
4,6-Dinitro-2-methylphenol
Concen: 6.834 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.34 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 1052
Ion Ratio Lower Upper
198 100
51 39.1 30.6 70.6
105 43.7 23.8 63.8

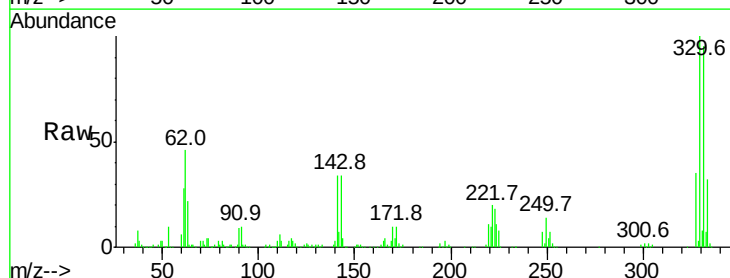


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

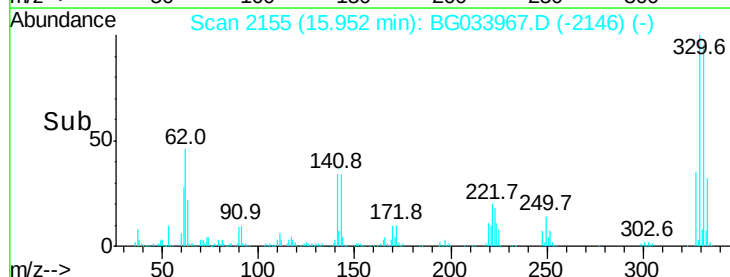
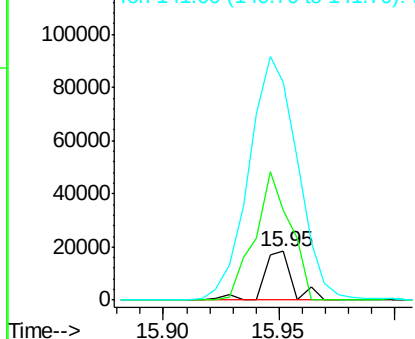


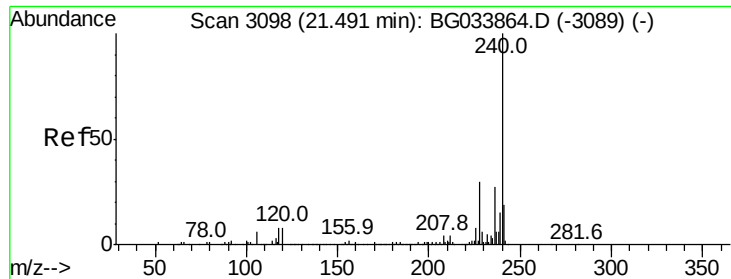
#66
4-Bromophenyl-phenylether
Concen: 2.538 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.47 min
Lab File: BG033967.D
Acq: 24 Apr 2018 23:14

Tgt Ion:248 Resp: 15252
Ion Ratio Lower Upper
248 100
250 188.8 77.1 115.7#
141 349.7 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: 20.000 ng

RT: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

Instrument :

BNA_G

ClientSampleId :

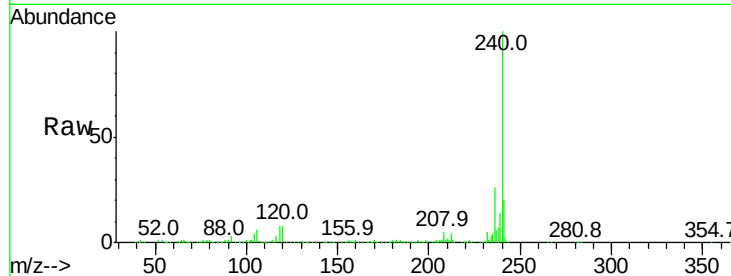
Tot Ion:240 Resp: 635667

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

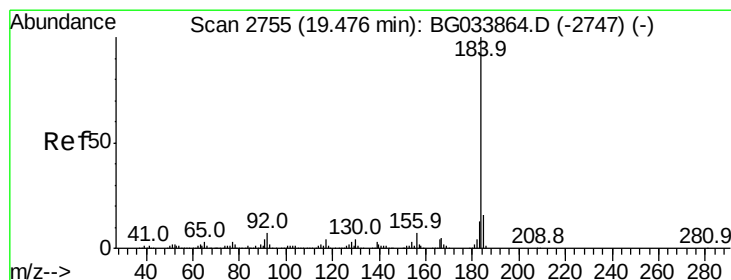
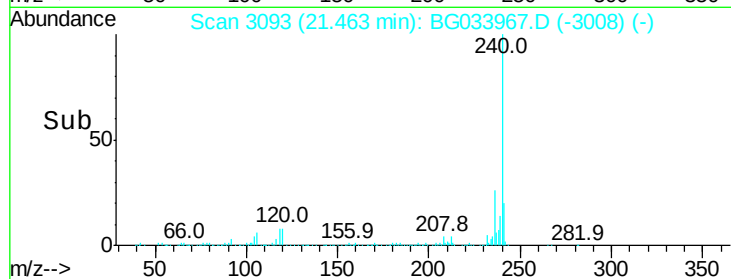
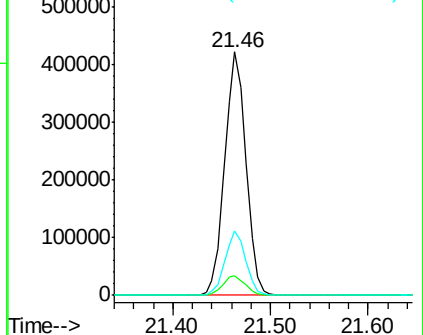
236 26.2 20.9 31.3



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: 2.095 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

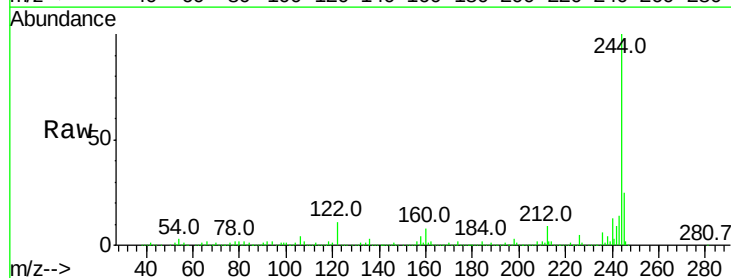
Tgt Ion:184 Resp: 35967

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

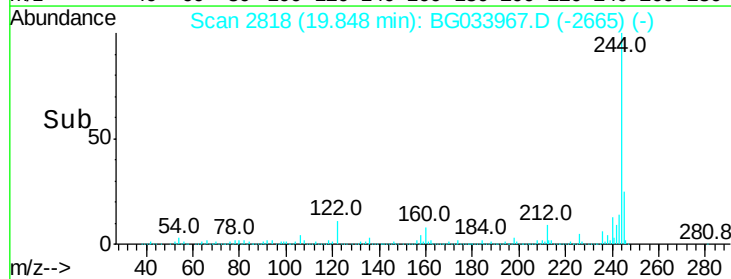
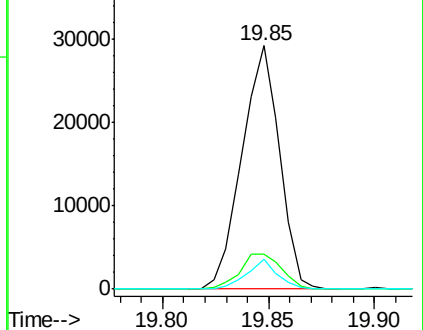
183 12.4 10.6 16.0

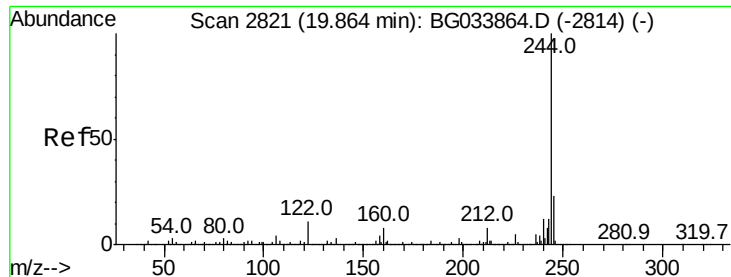


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 78.011 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

Instrument :

BNA_G

ClientSampleId :

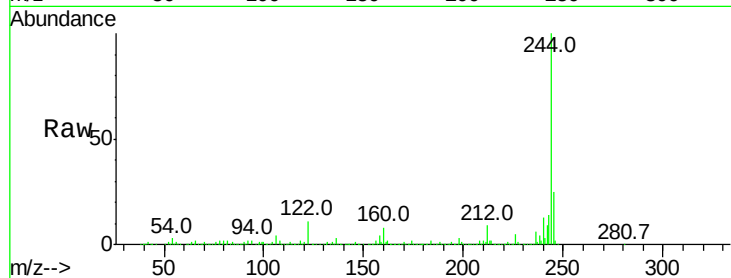
Tot Ion:244 Resp: 2207269

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	10.7	7.0	10.4#

244 100

212 8.8 5.8 8.8#

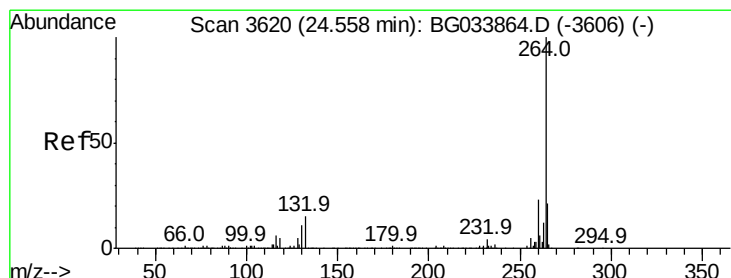
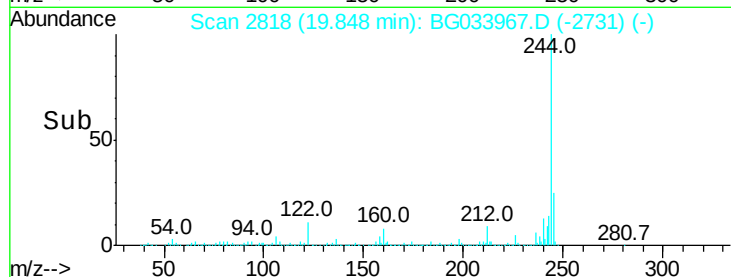
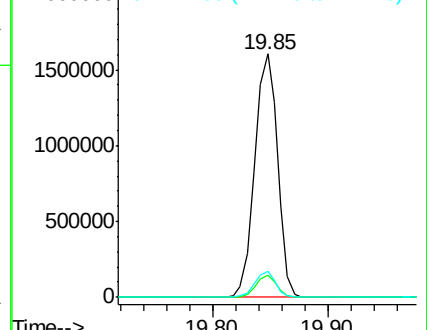
122 10.7 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.52 min Scan# 3613

Delta R.T. -0.04 min

Lab File: BG033967.D

Acq: 24 Apr 2018 23:14

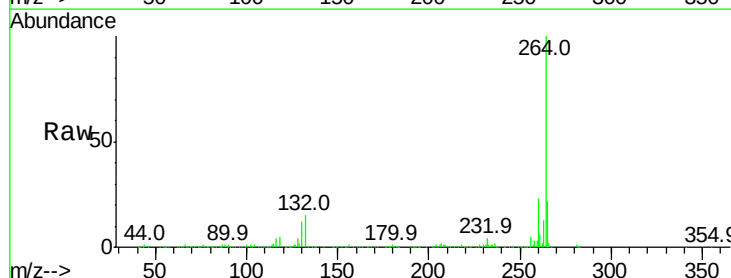
Tgt Ion:264 Resp: 645928

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.4	17.7	26.5

264 100

260 23.1 17.4 26.0

265 22.4 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

