

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033937.D
 Acq On : 24 Apr 2018 2:21
 Operator : SJ/JU
 Sample : J2161-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 04:19:40 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

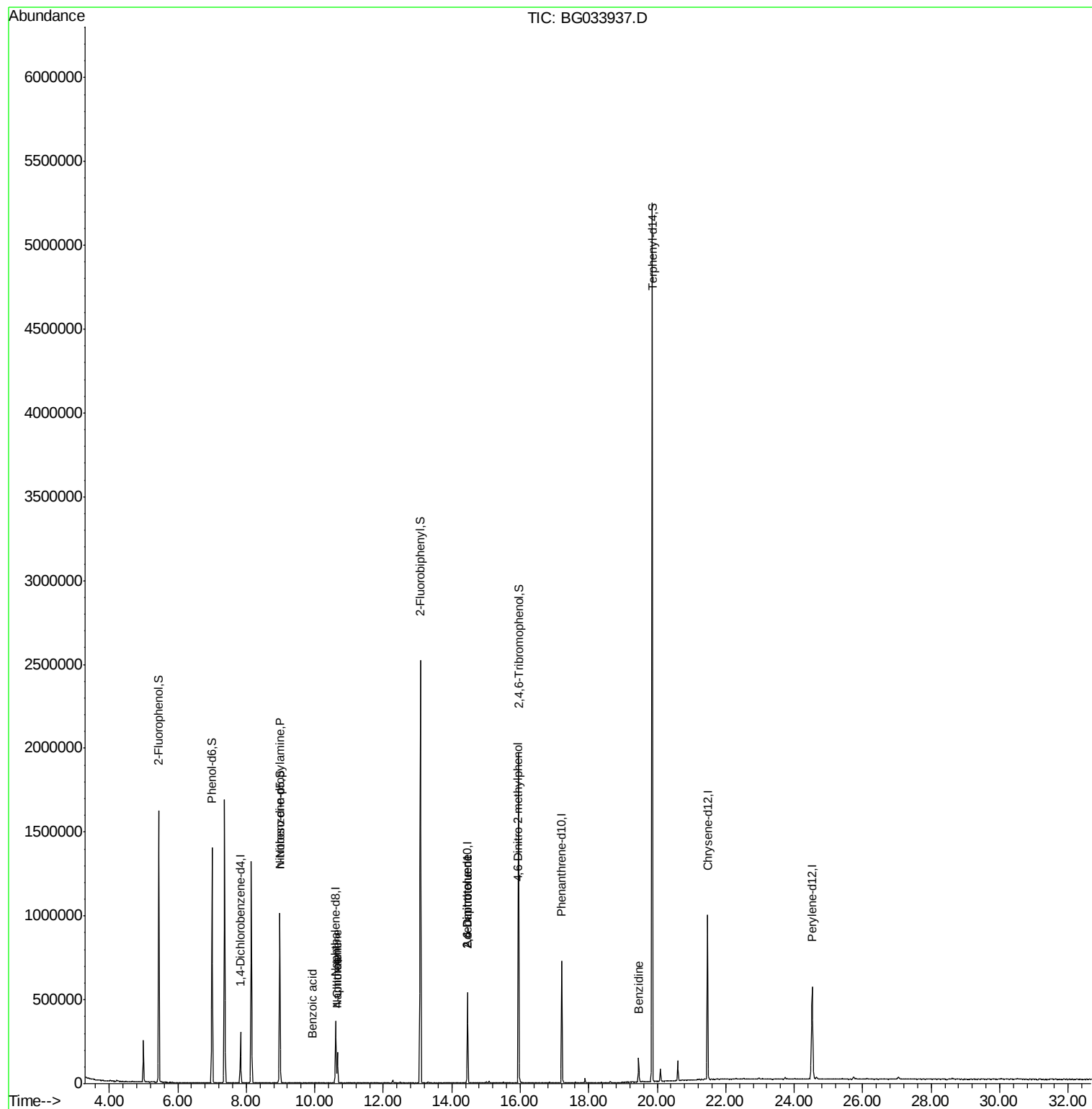
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	79618	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	319340	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	184092	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	456211	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	579548	20.00	ng	-0.02
86) Perylene-d12	24.52	264	577561	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	665899	133.53	ng	0.00
7) Phenol-d6	7.00	99	760377	104.54	ng	0.00
23) Nitrobenzene-d5	8.98	82	610327	108.77	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	347991	162.03	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1339372	106.88	ng	-0.02
78) Terphenyl-d14	19.85	244	2359549	91.47	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1546	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	86318	13.922 ng	#	77
31) Naphthalene	10.66	128	151543	9.228 ng	#	98
32) Benzoic acid	9.93	122	68	5.097 ng	#	44
33) 4-Chloroaniline	10.66	127	21039	2.726 ng	#	40
50) 2,6-Dinitrotoluene	14.46	165	23860	7.775 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	23860	5.847 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.93	198	335	6.621 ng		90
76) Benzidine	19.46	184	84887	5.424 ng		98

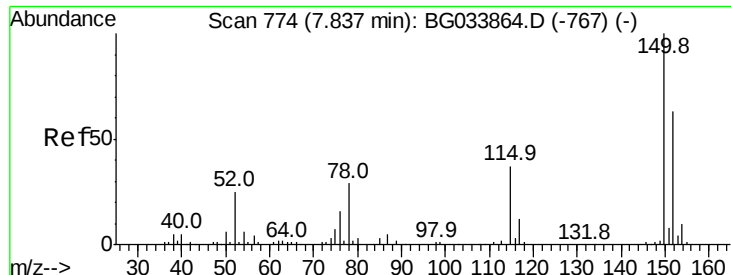
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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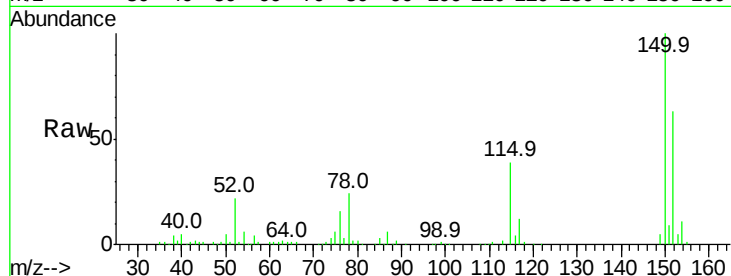


#1

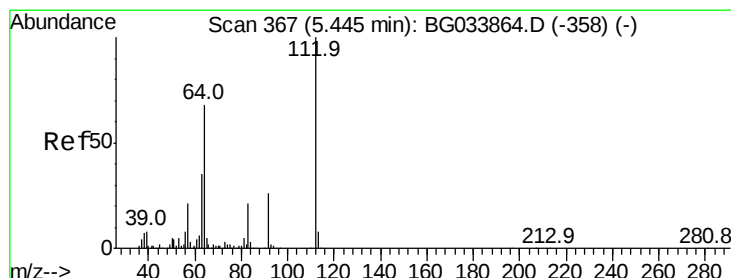
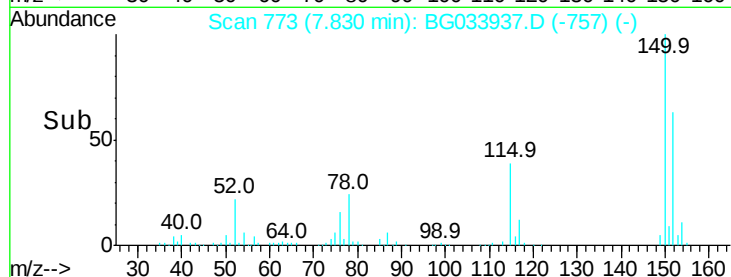
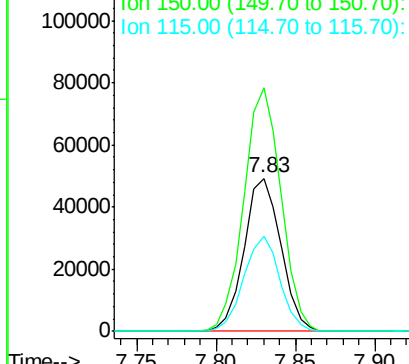
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033937.D
 Acq: 24 Apr 2018 2:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 79618
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.6 189.8
 115 62.6 53.0 79.4



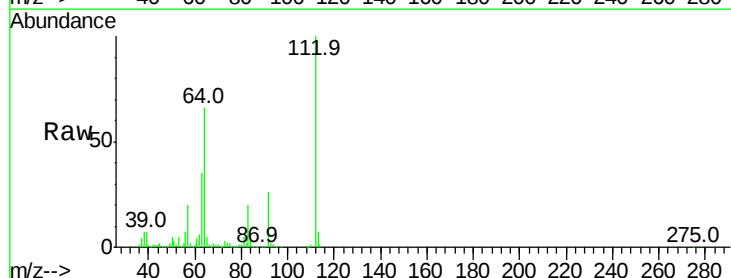
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



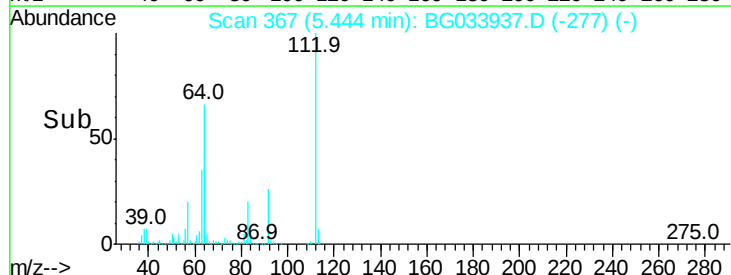
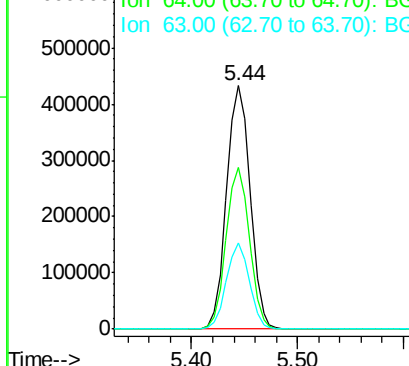
#5

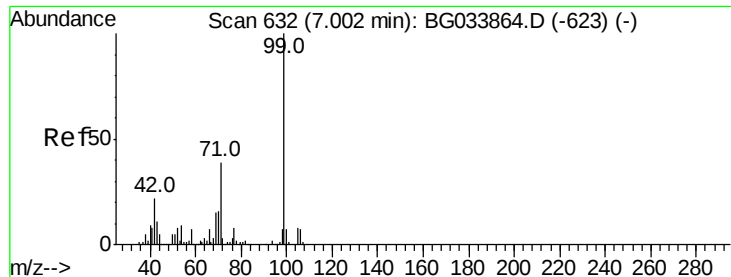
2-Fluorophenol
 Concen: 133.529 ng
 RT: 5.44 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BG033937.D
 Acq: 24 Apr 2018 2:21

Tgt Ion:112 Resp: 665899
 Ion Ratio Lower Upper
 112 100
 64 66.2 56.3 84.5
 63 35.2 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: 104.537 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

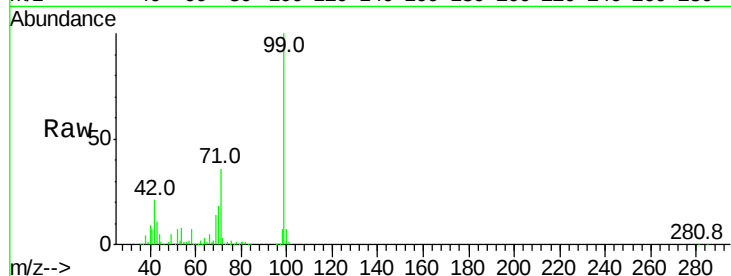
Tot Ion: 99 Resp: 760377

Ion Ratio Lower Upper

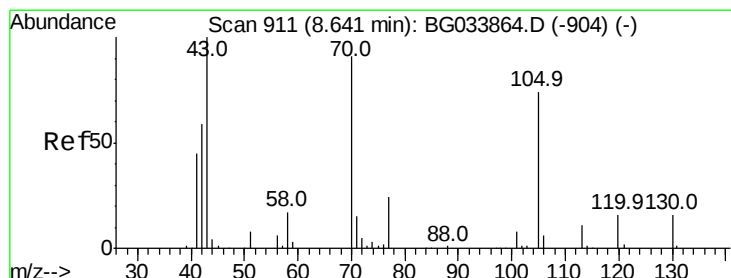
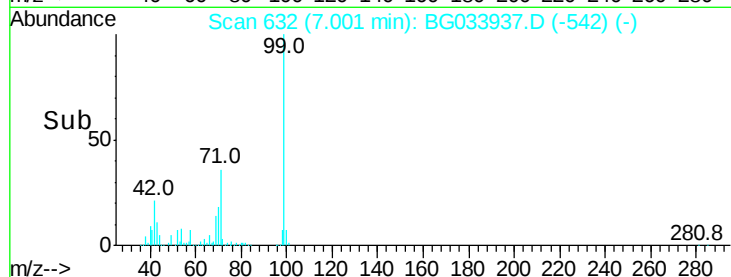
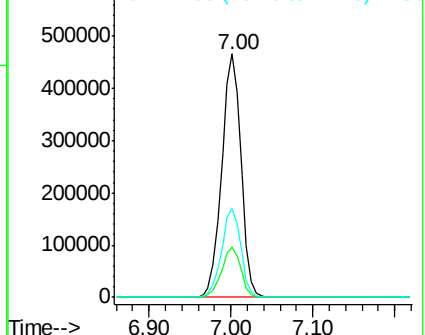
99 100

42 20.8 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: 13.922 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Tgt Ion: 70 Resp: 86318

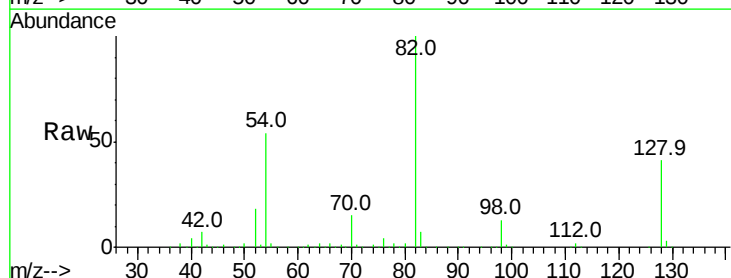
Ion Ratio Lower Upper

70 100

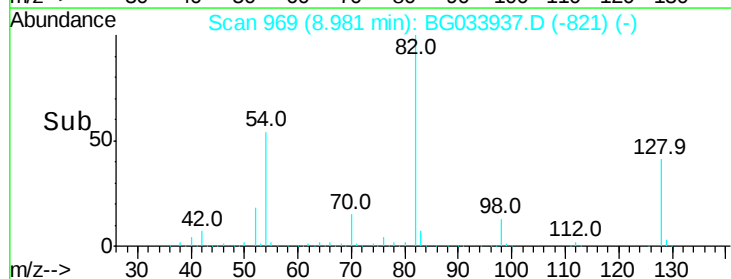
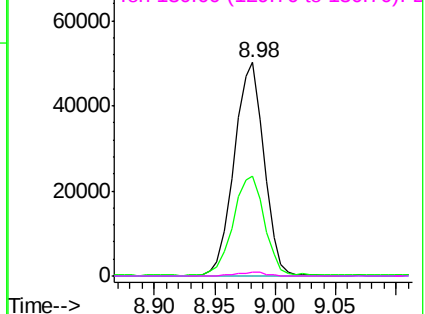
42 46.8 49.1 73.7#

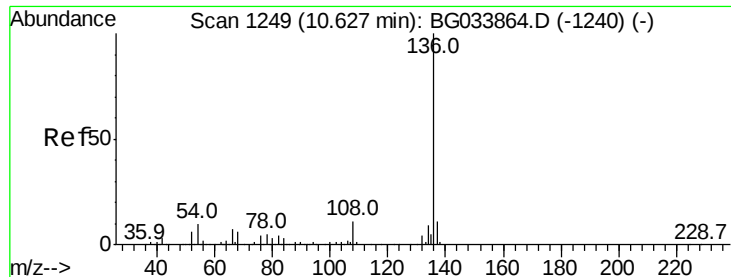
101 0.0 8.5 12.7#

130 1.7 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# 1247

Delta R.T. -0.01 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 319340

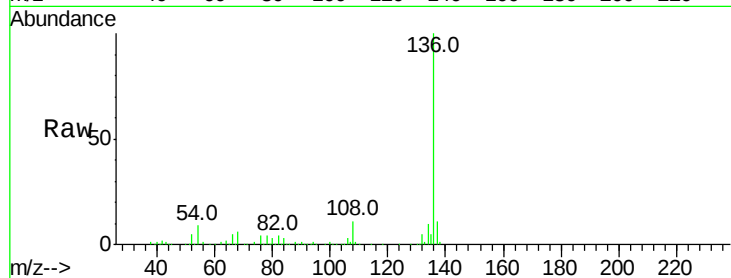
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 9.5 10.3 15.5#

68 6.3 4.5 6.7

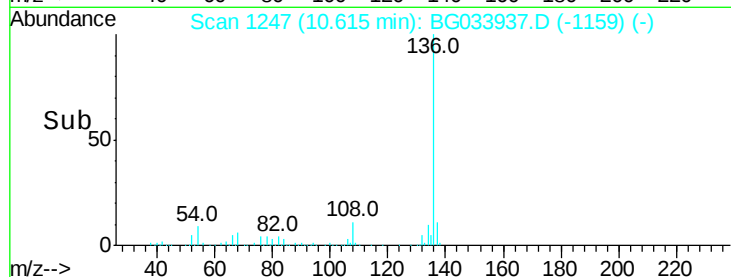


Abundance Ion 136.00 (135.70 to 136.70): E

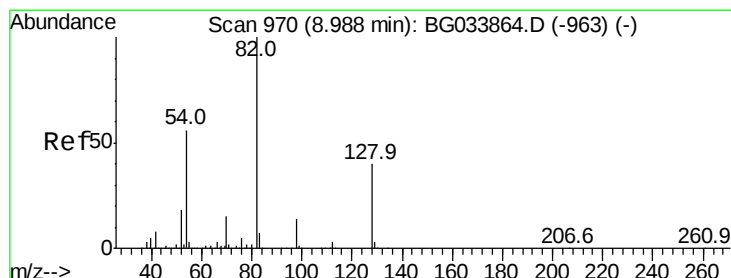
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 108.766 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

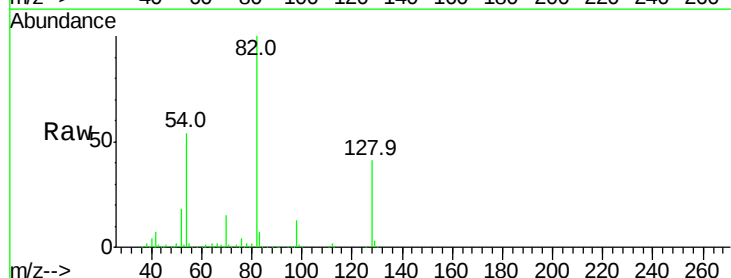
Tgt Ion: 82 Resp: 610327

Ion Ratio Lower Upper

82 100

128 41.1 29.7 44.5

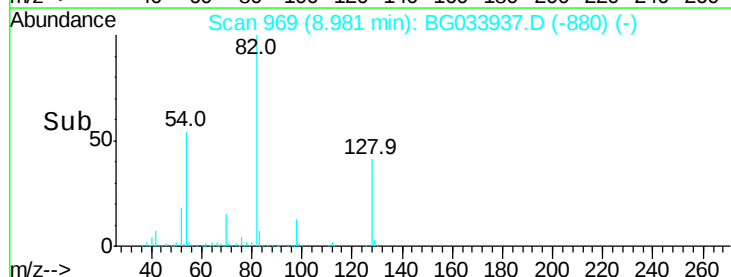
54 53.7 43.1 64.7



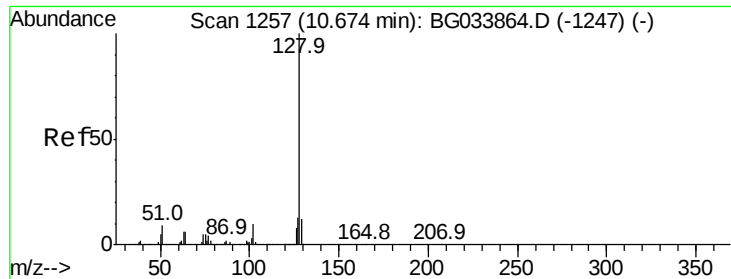
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#31

Naphthalene

Concen: 9.228 ng

RT: 10.66 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

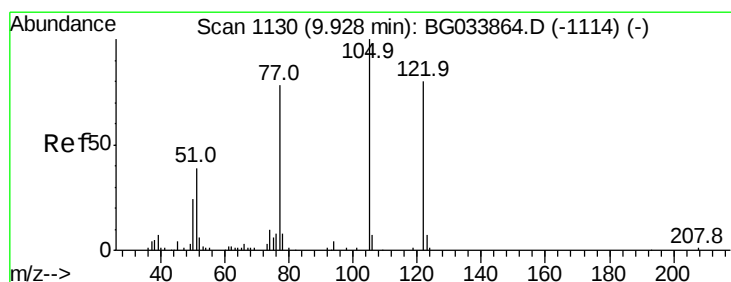
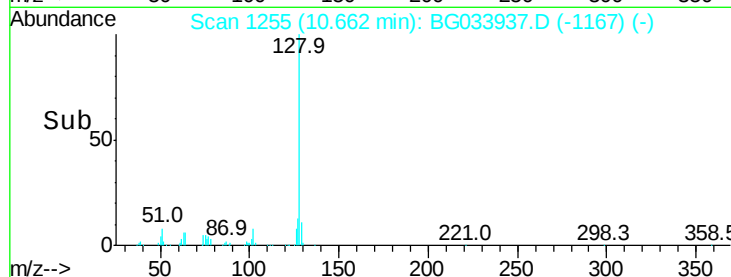
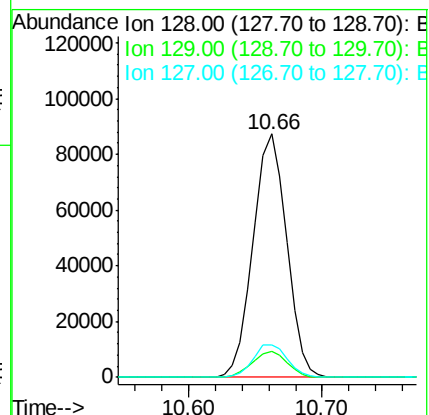
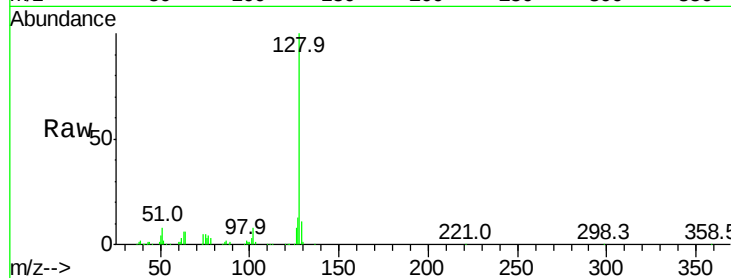
Tot Ion:128 Resp: 151543

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.4 11.6 17.4



#32

Benzoic acid

Concen: 5.097 ng

RT: 9.93 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

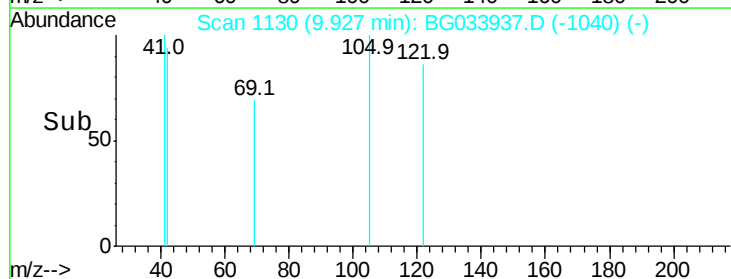
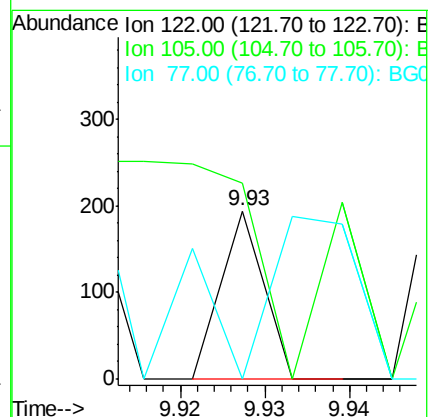
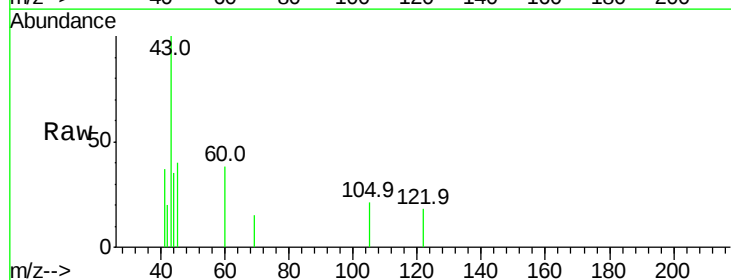
Tgt Ion:122 Resp: 68

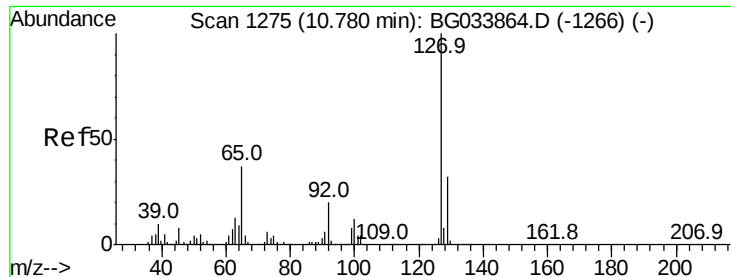
Ion Ratio Lower Upper

122 100

105 116.5 123.5 163.5#

77 0.0 85.7 125.7#

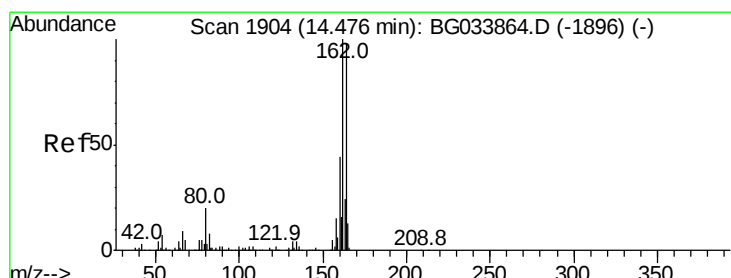
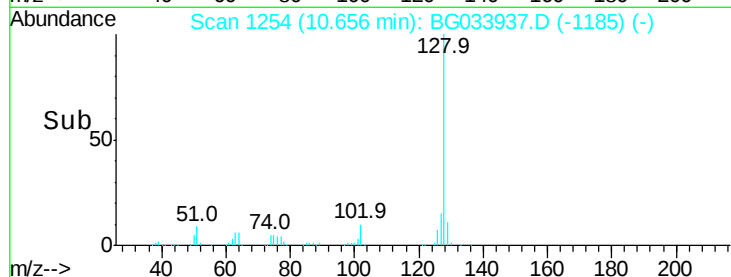
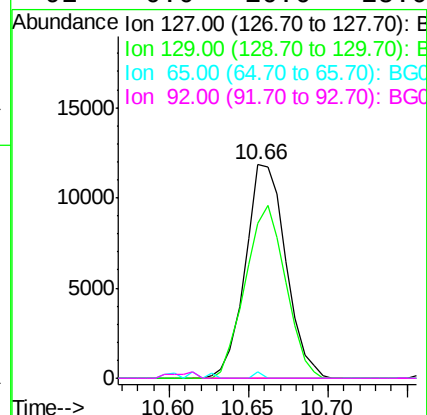
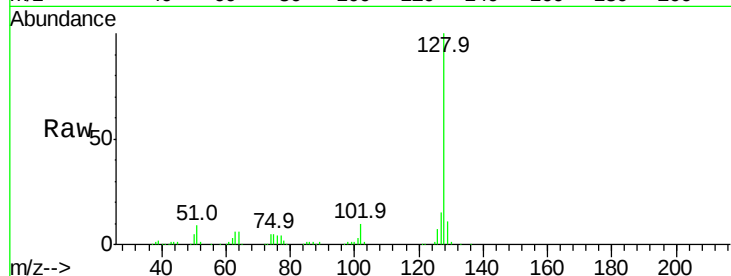




#33
4-Chloroaniline
Concen: 2.726 ng
RT: 10.66 min Scan# 1254
Delta R.T. -0.12 min
Lab File: BG033937.D
Acq: 24 Apr 2018 2:21

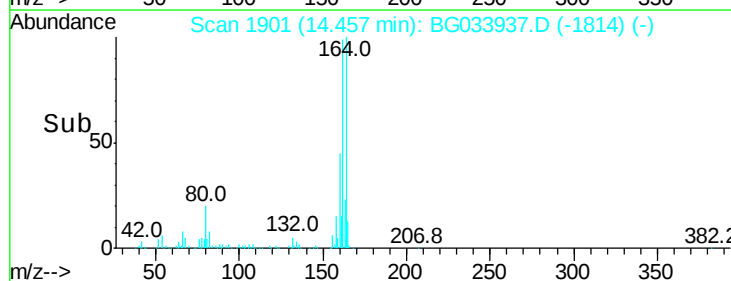
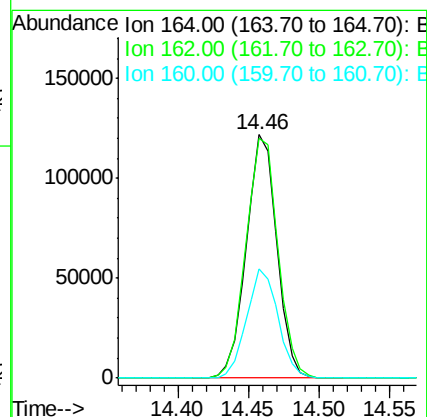
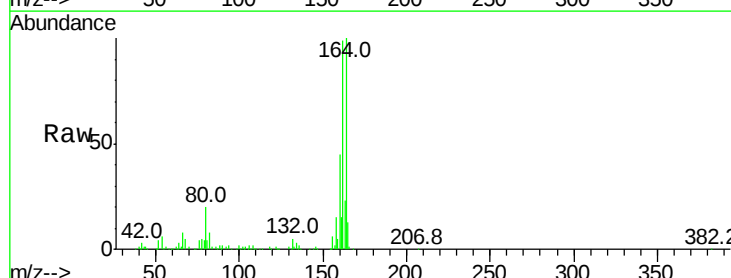
Instrument :
BNA_G
ClientSampleId :

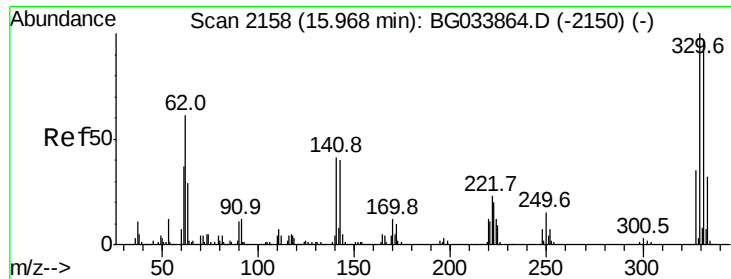
Tot Ion	Ratio	Lower	Upper
127	100		
129	72.3	24.0	36.0#
65	3.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033937.D
Acq: 24 Apr 2018 2:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.8	118.2
160	44.8	35.4	53.0

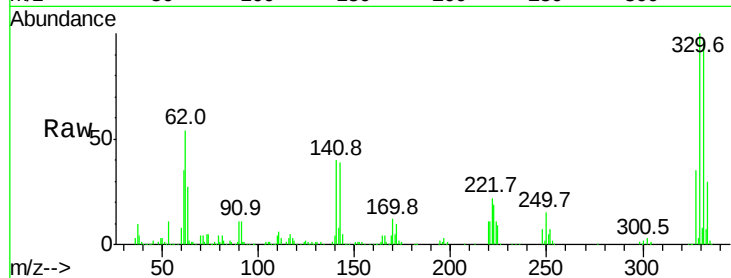




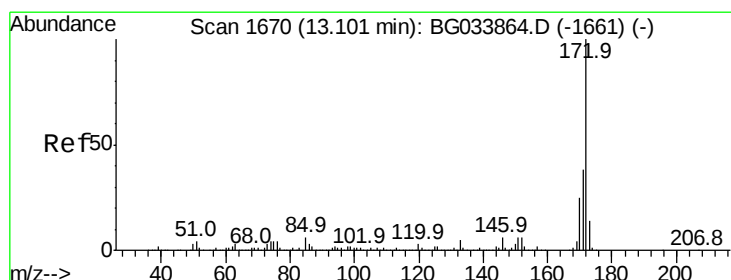
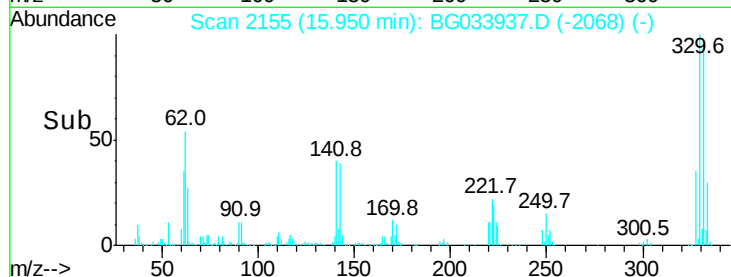
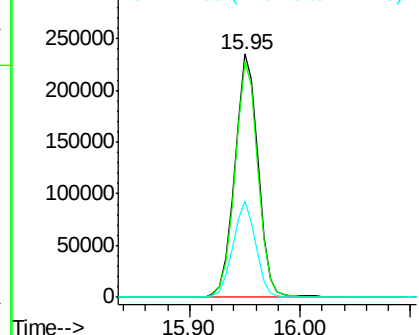
#41
 2,4,6-Tribromophenol
 Concen: 162.028 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033937.D
 Acq: 24 Apr 2018 2:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 347991
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 38.9 25.2 37.8#

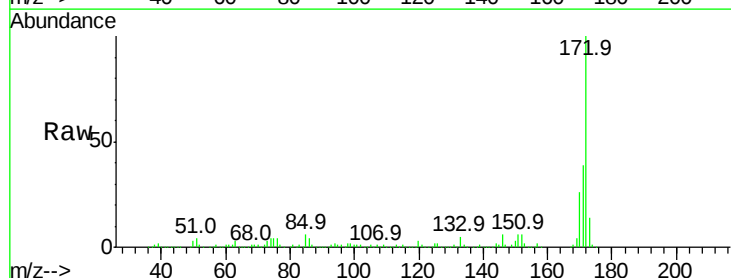


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

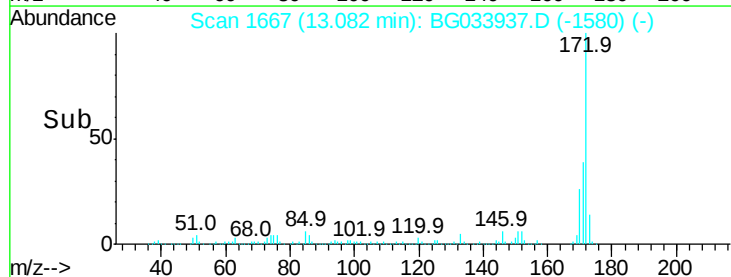
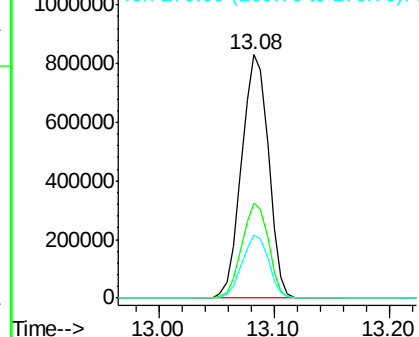


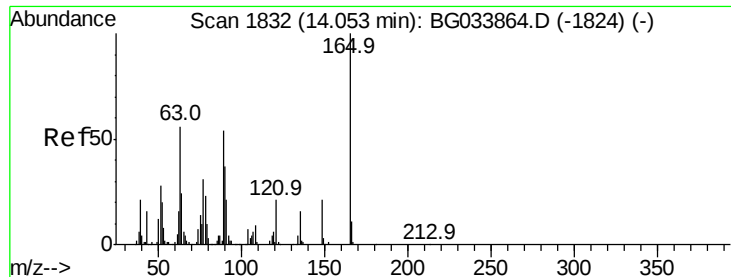
#44
 2-Fluorobiphenyl
 Concen: 106.880 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033937.D
 Acq: 24 Apr 2018 2:21

Tgt Ion:172 Resp: 1339372
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.0 45.0
 170 25.9 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: 7.775 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.40 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

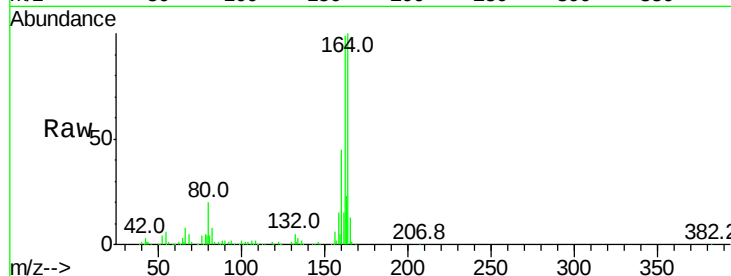
Tot Ion:165 Resp: 23860

Ion Ratio Lower Upper

165 100

63 1.1 52.7 79.1#

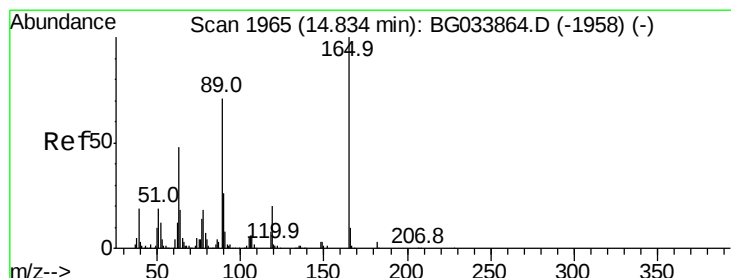
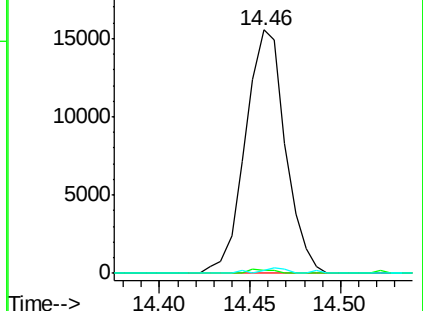
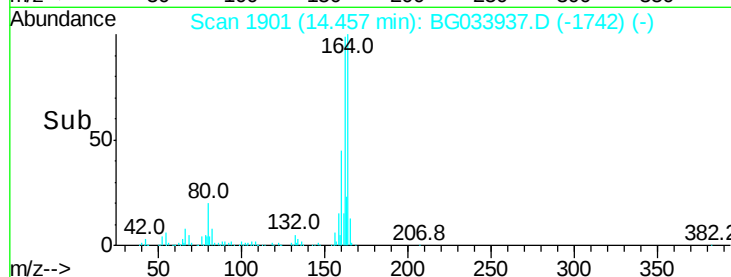
89 1.5 49.2 73.8#



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: 5.847 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Tgt Ion:165 Resp: 23860

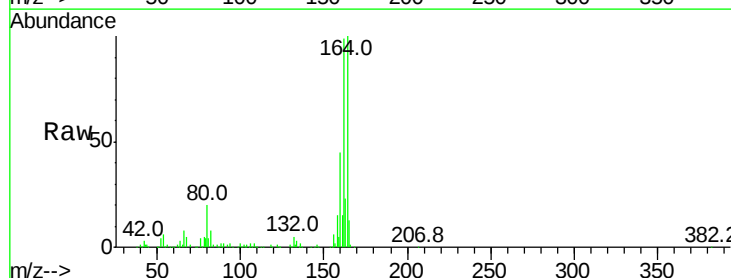
Ion Ratio Lower Upper

165 100

63 1.1 42.0 63.0#

89 1.5 66.9 100.3#

182 0.0 2.6 3.8#

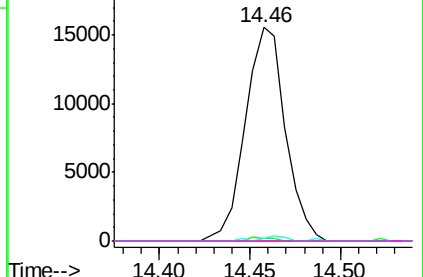
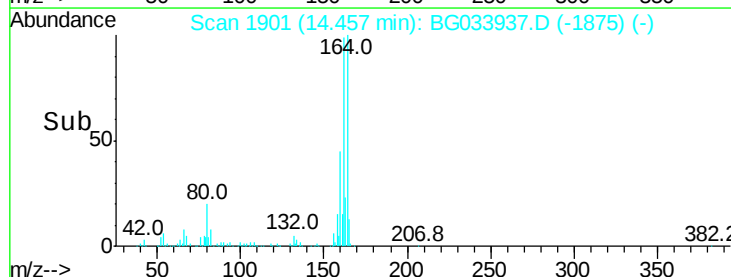


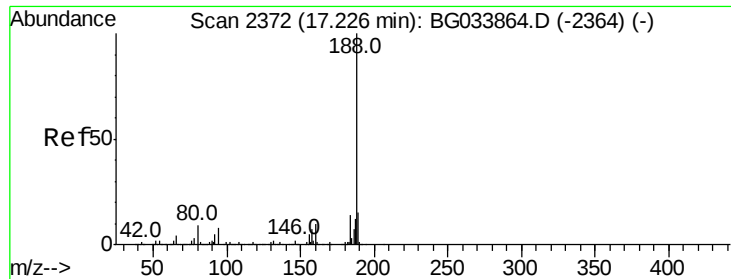
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

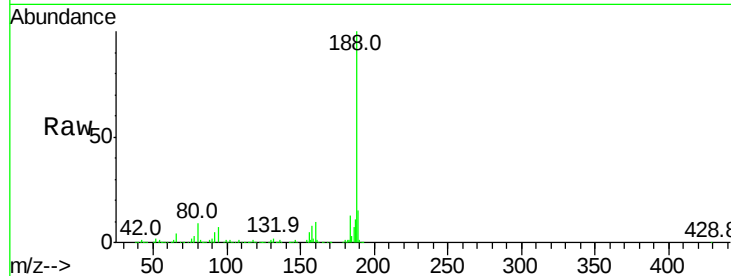
Tot Ion:188 Resp: 456211

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

80 9.5 7.7 11.5

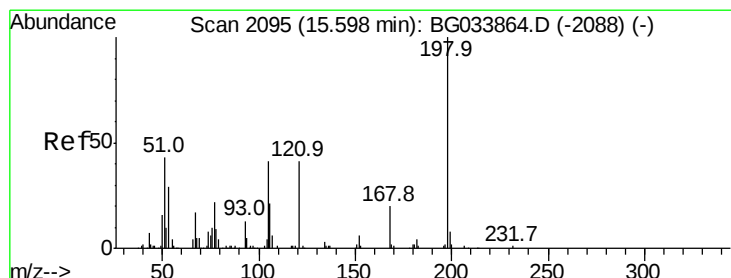
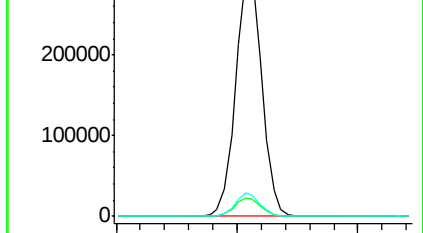
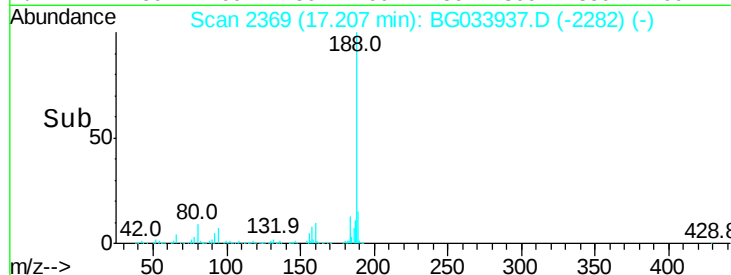


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.10 17.20 17.30



#64

4,6-Dinitro-2-methylphenol

Concen: 6.621 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.33 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

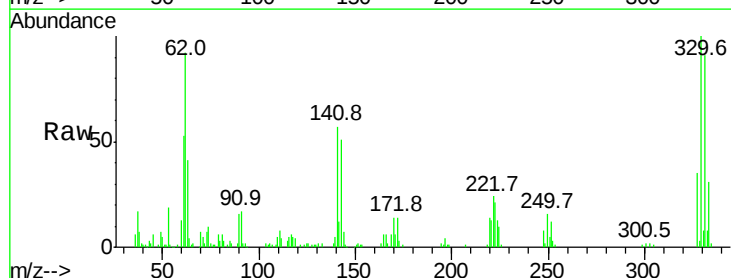
Tgt Ion:198 Resp: 335

Ion Ratio Lower Upper

198 100

51 40.4 30.6 70.6

105 41.1 23.8 63.8

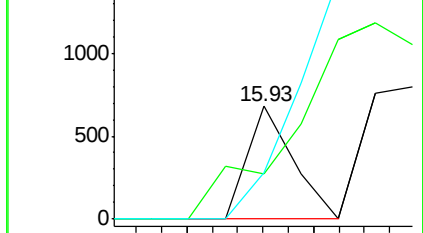
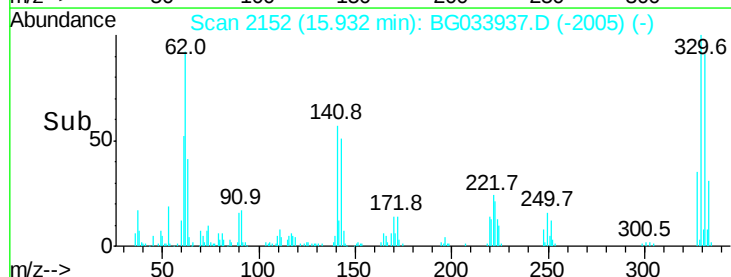


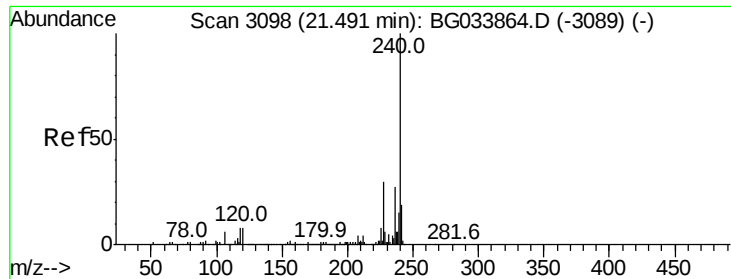
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time--> 15.92 15.94





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampleId :

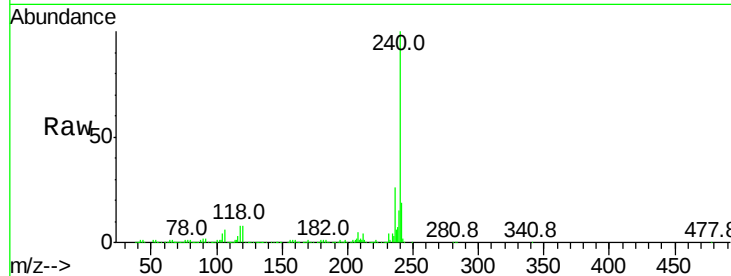
Tot Ion:240 Resp: 579548

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

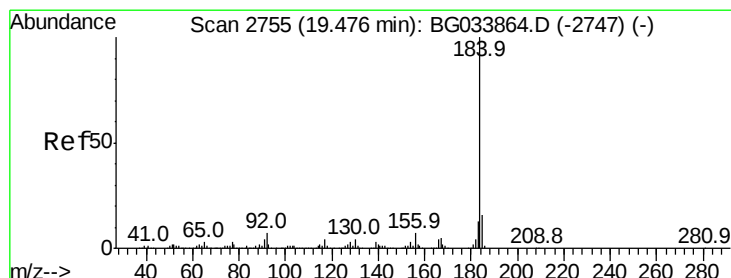
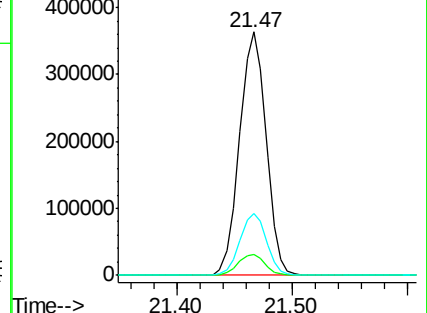
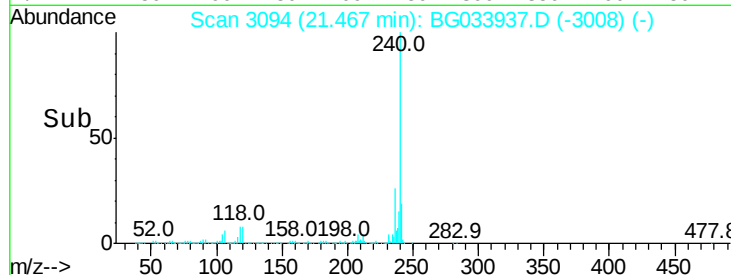
236 25.6 20.9 31.3



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: 5.424 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

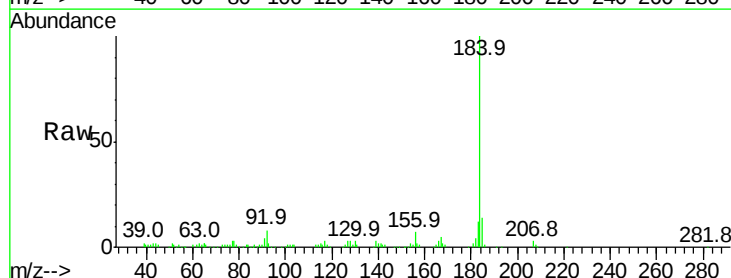
Tgt Ion:184 Resp: 84887

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

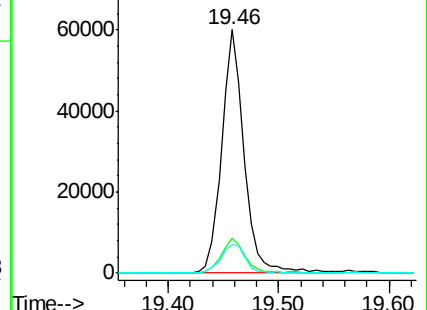
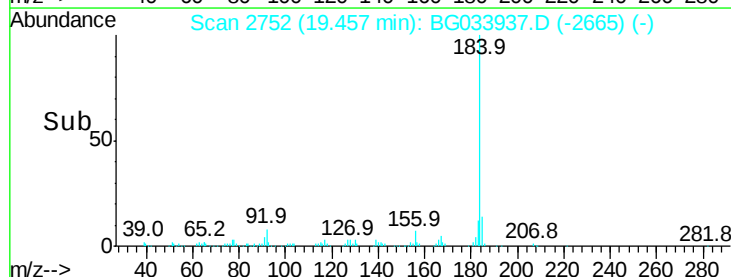
183 12.0 10.6 16.0

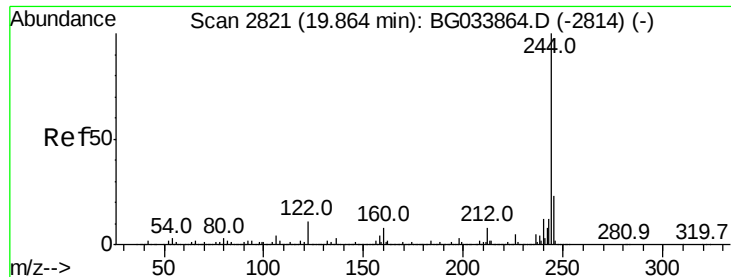


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.468 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033937.D

Acq: 24 Apr 2018 2:21

Instrument :

BNA_G

ClientSampled :

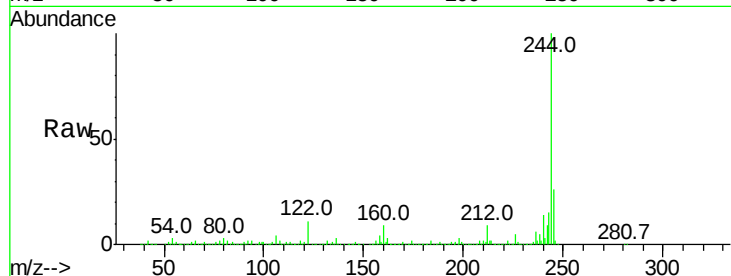
Tot Ion:244 Resp: 2359549

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

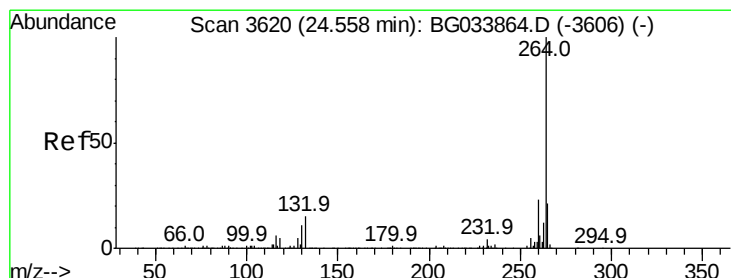
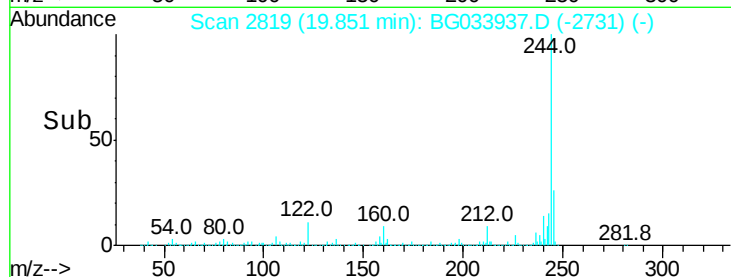
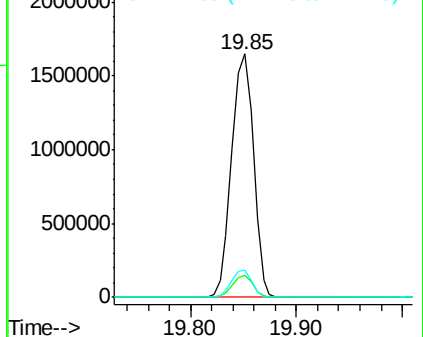
122 11.1 7.0 10.4#



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: BG033937.D

Acq: 24 Apr 2018 2:21

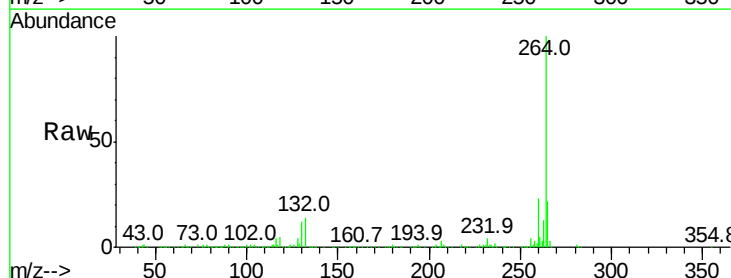
Tgt Ion:264 Resp: 577561

Ion Ratio Lower Upper

264 100

260 23.3 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

