

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033962.D
 Acq On : 24 Apr 2018 20:04
 Operator : SJ/JU
 Sample : J2475-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:02:37 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

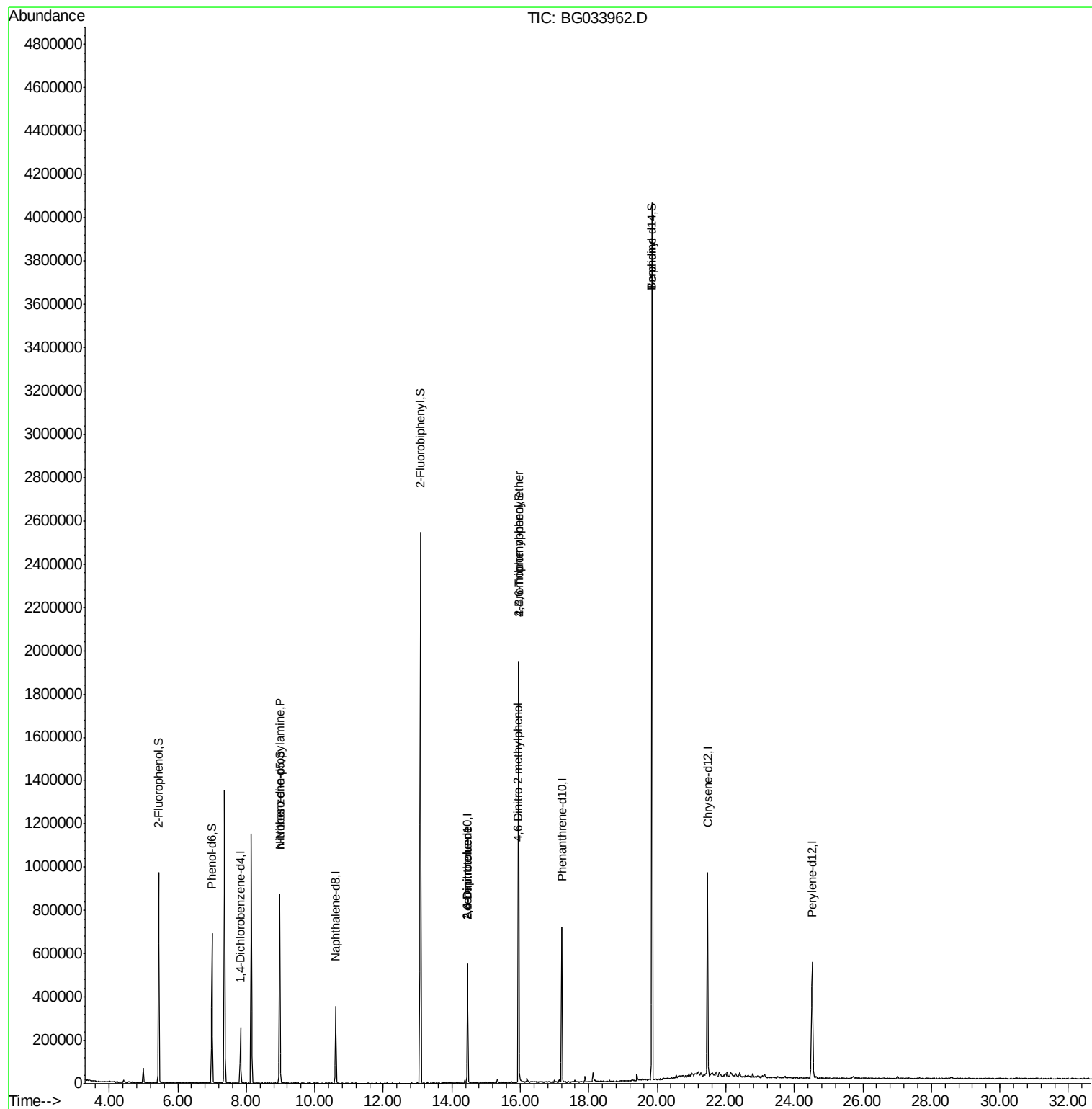
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	70828	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	297927	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	184331	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	463241	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	538634	20.00	ng	-0.03
86) Perylene-d12	24.52	264	551944	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	419857	94.64	ng	0.00
7) Phenol-d6	6.99	99	385735	59.61	ng	0.00
23) Nitrobenzene-d5	8.97	82	522106	99.73	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	355772	165.44	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1280432	102.04	ng	-0.02
78) Terphenyl-d14	19.84	244	1898783	79.20	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.99	77	625	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.97	70	70895	12.853 ng	#	5
50) 2,6-Dinitrotoluene	14.46	165	24580	7.999 ng	#	80
56) 2,4-Dinitrotoluene	14.46	165	24580	6.015 ng	#	21
64) 4,6-Dinitro-2-methylphenol	15.93	198	576	6.712 ng	#	19
66) 4-Bromophenyl-phenylether	15.95	248	11689	2.298 ng	#	90
76) Benizidine	19.84	184	29645	2.038 ng	#	1
					#	88

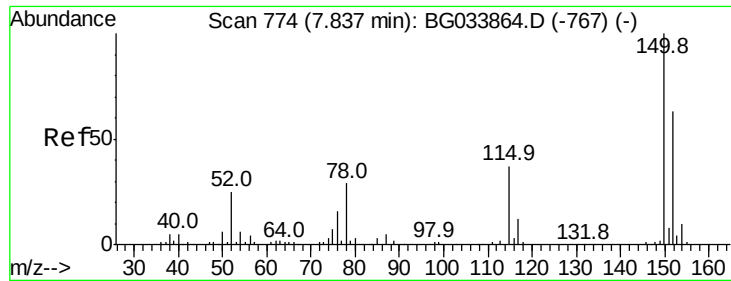
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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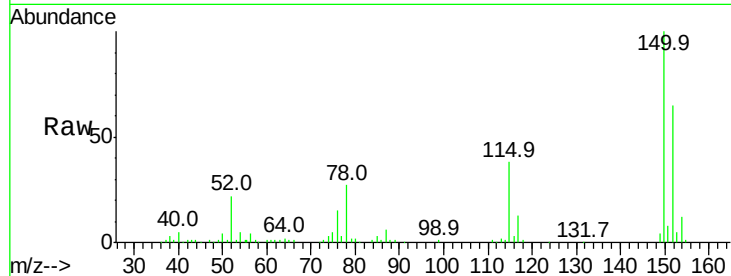


#1

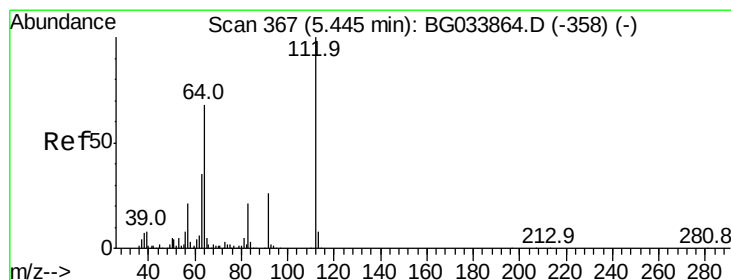
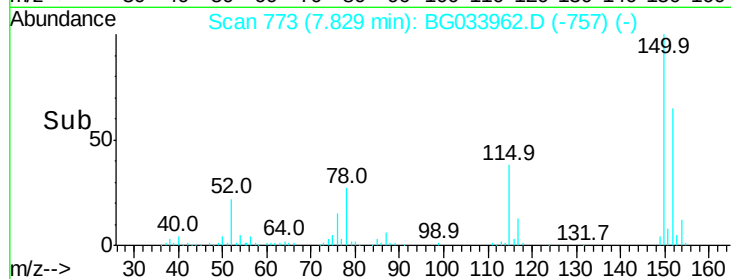
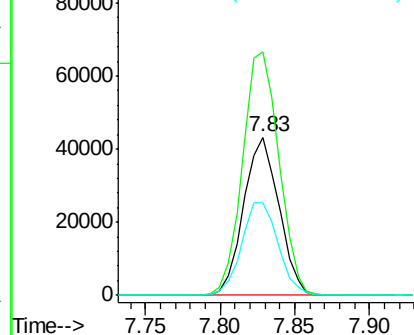
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 70828
Ion Ratio Lower Upper
152 100
150 153.9 126.6 189.8
115 58.3 53.0 79.4



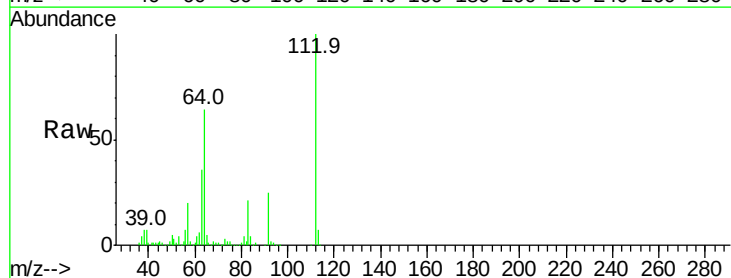
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



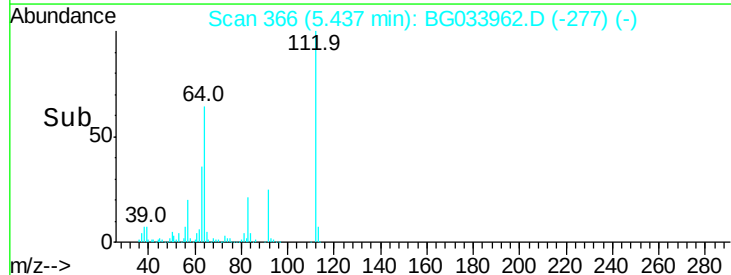
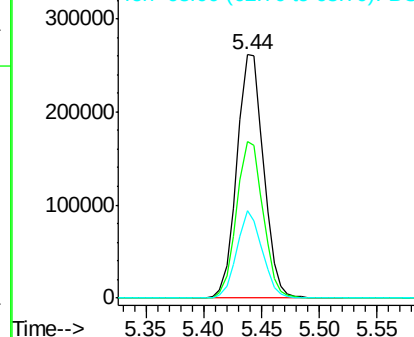
#5

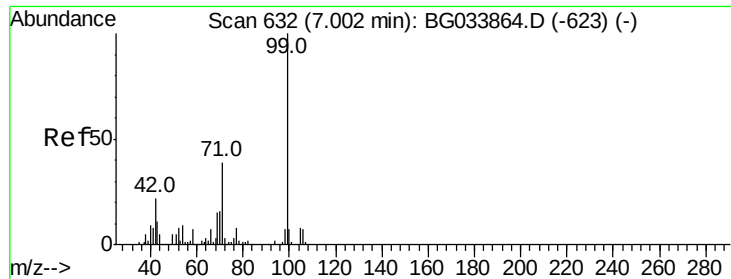
2-Fluorophenol
Concen: 94.640 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

Tgt Ion:112 Resp: 419857
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 35.7 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: 59.613 ng

RT: 6.99 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

Instrument :

BNA_G

ClientSampleId :

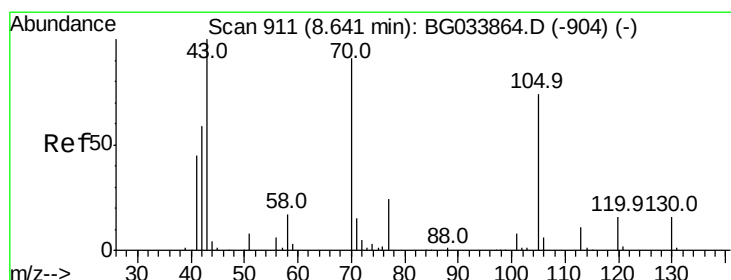
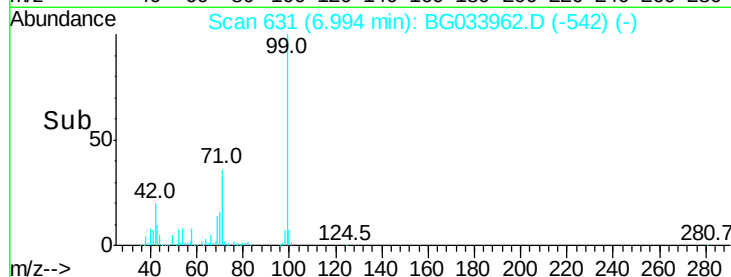
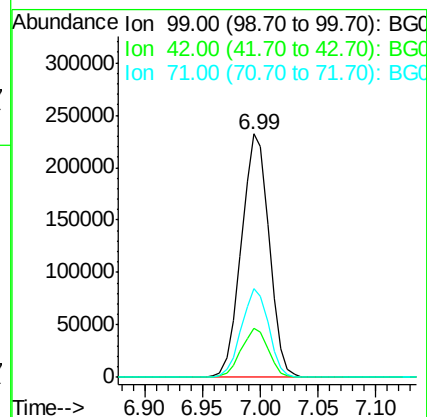
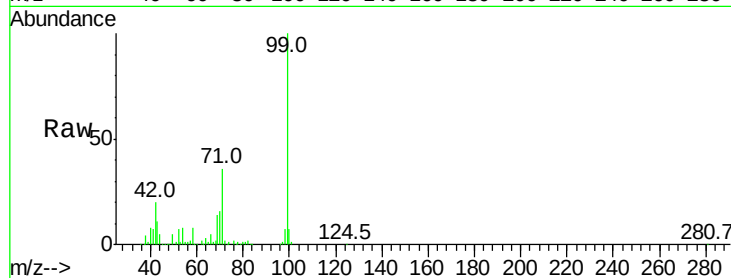
Tot Ion: 99 Resp: 385735

Ion Ratio Lower Upper

99 100

42 20.3 14.1 21.1

71 36.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.853 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

Tgt Ion: 70 Resp: 70895

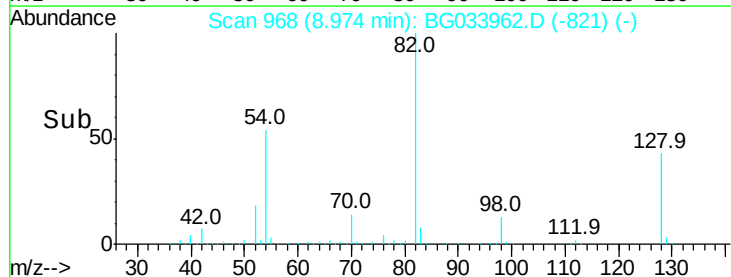
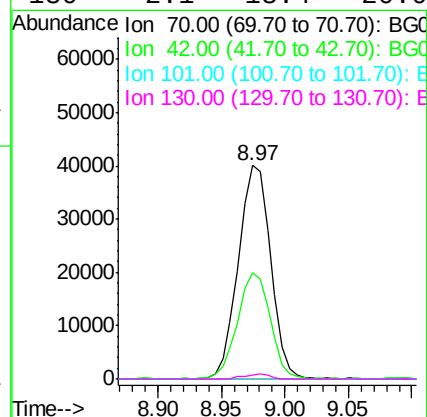
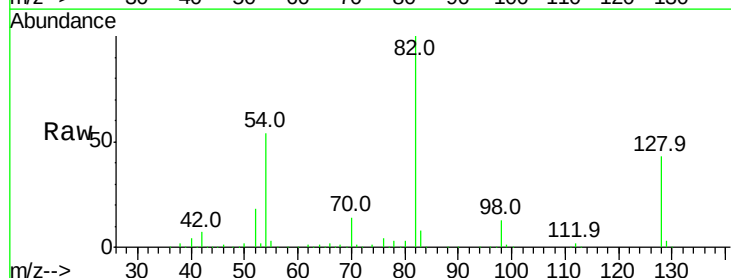
Ion Ratio Lower Upper

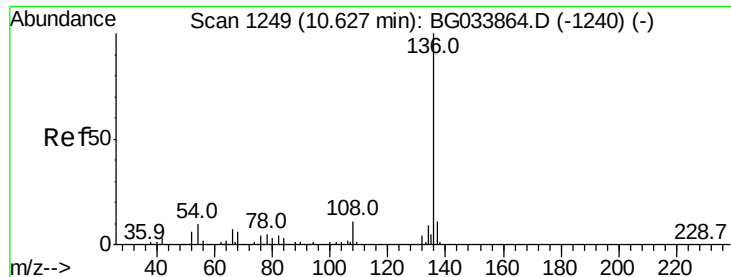
70 100

42 49.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

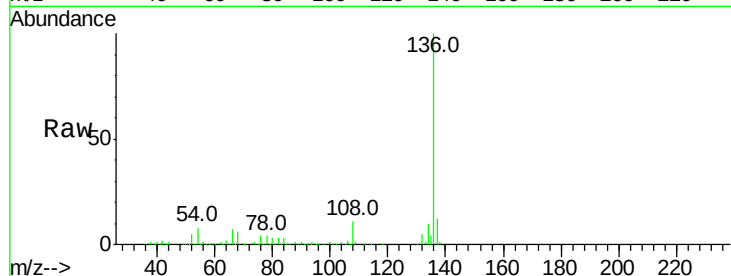




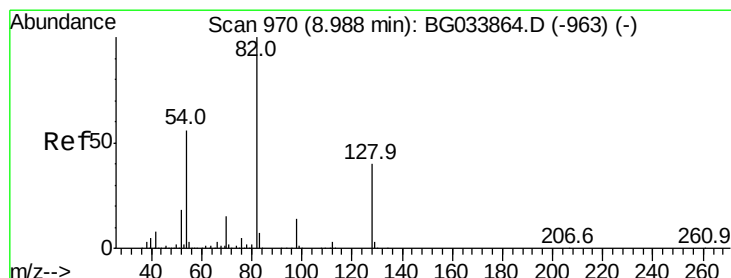
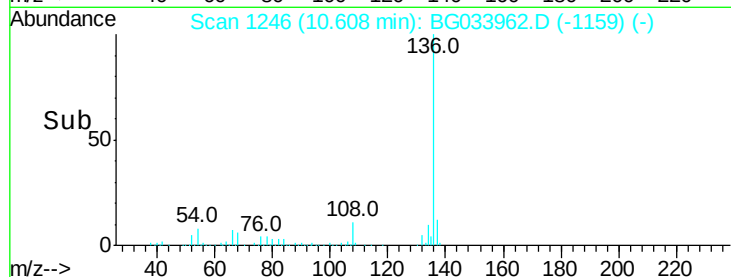
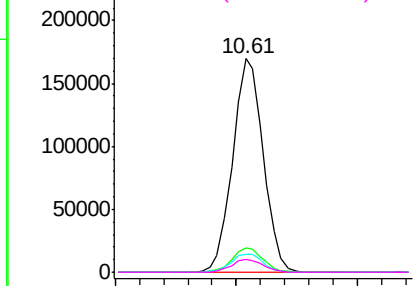
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	297927
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.2 13.8
54	8.4	10.3 15.5#
68	6.0	4.5 6.7

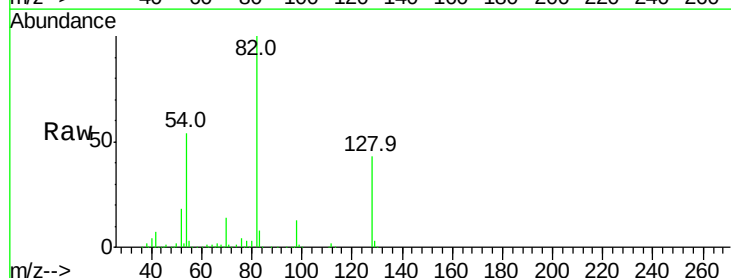


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

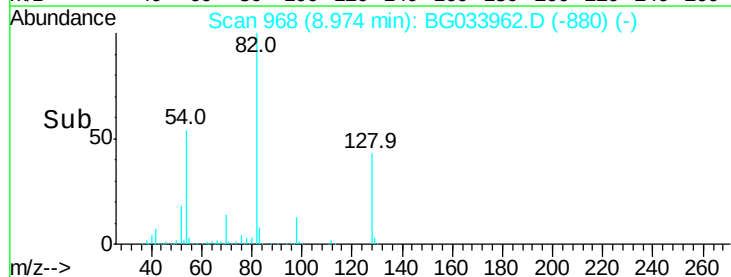
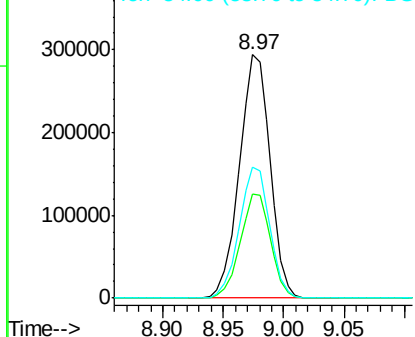


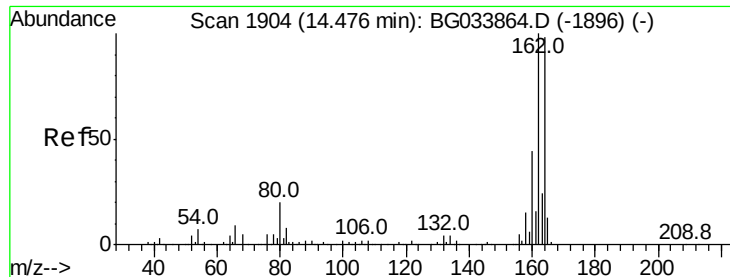
#23
Nitrobenzene-d5
Concen: 99.732 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

Tgt Ion: 82	Resp:	522106
Ion Ratio	Lower	Upper
82	100	
128	42.7	29.7 44.5
54	54.0	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: BG033962.D

Acq: 24 Apr 2018 20:04

Instrument :

BNA_G

ClientSampleId :

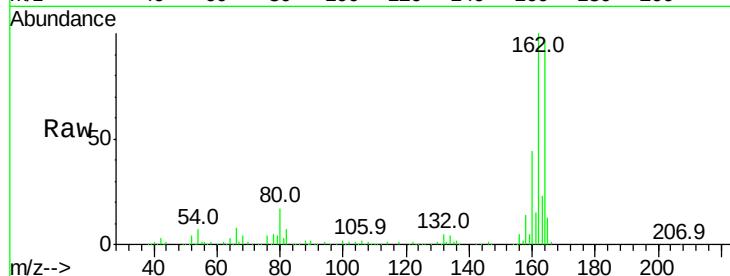
Tot Ion:164 Resp: 184331

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

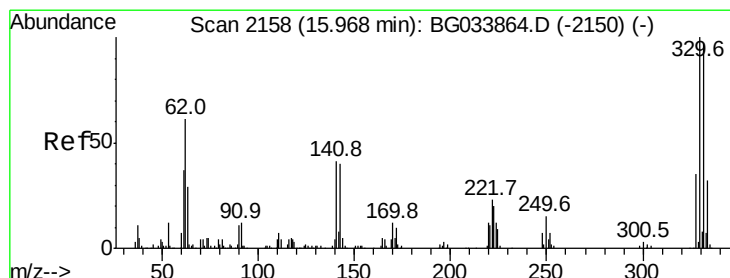
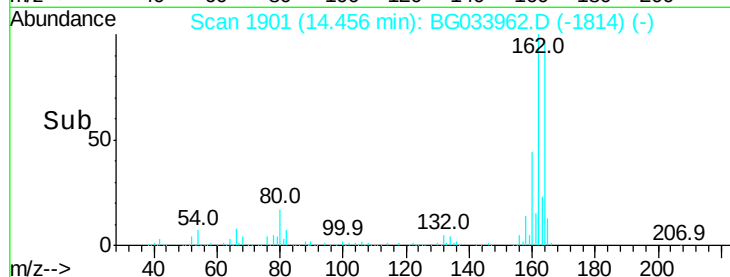
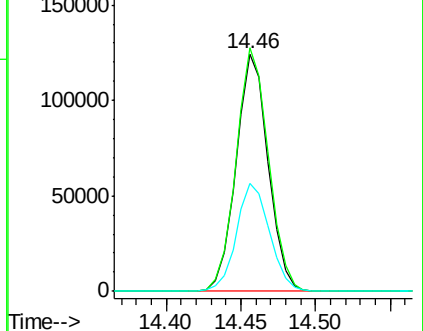
160 45.6 35.4 53.0



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: 165.436 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

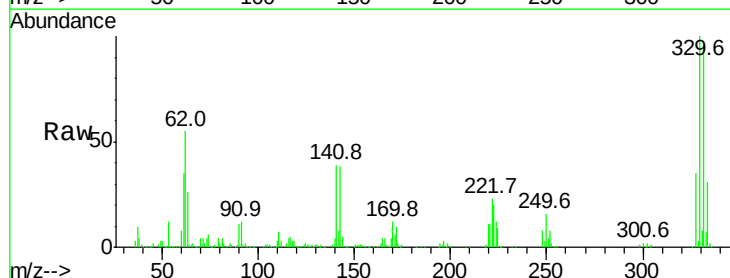
Tgt Ion:330 Resp: 355772

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

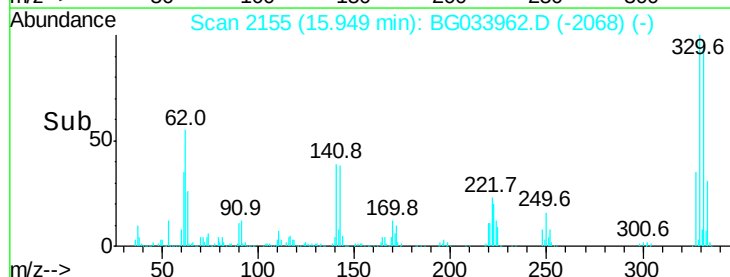
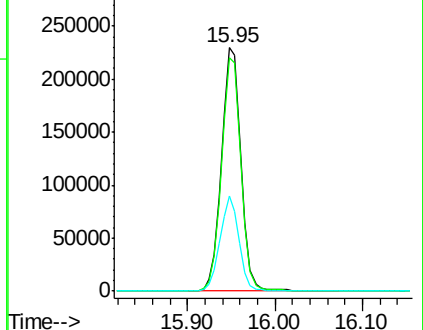
141 38.0 25.2 37.8#

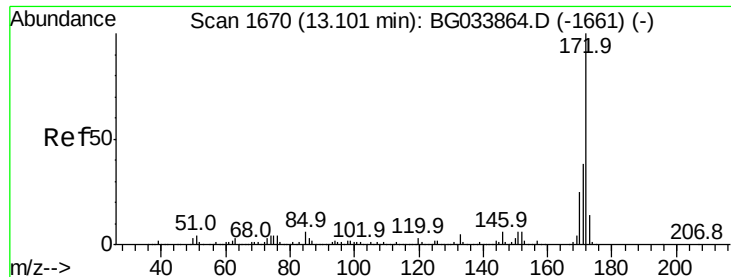


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

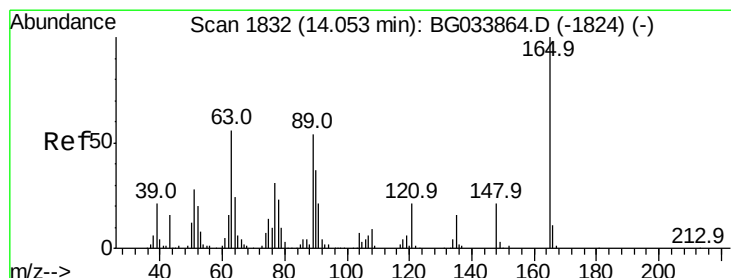
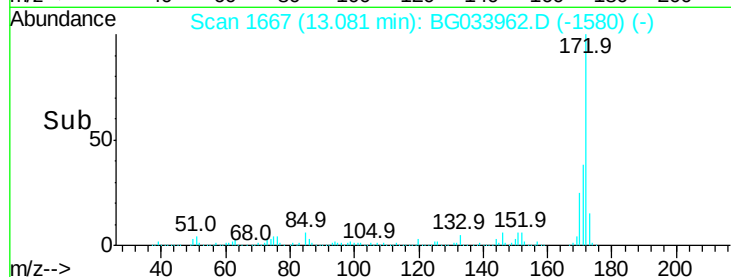
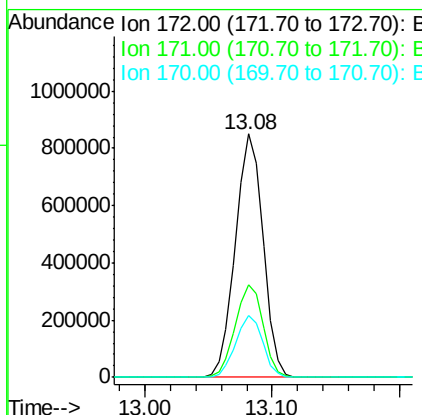
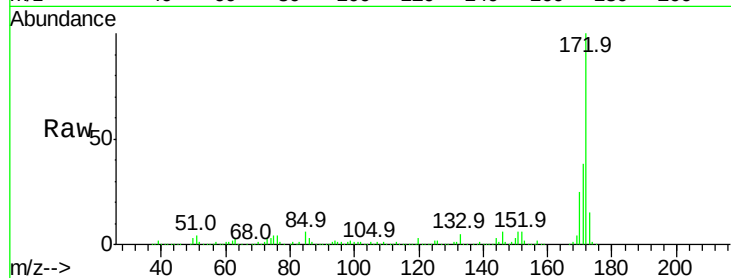




#44
2-Fluorobiphenyl
Concen: 102.044 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

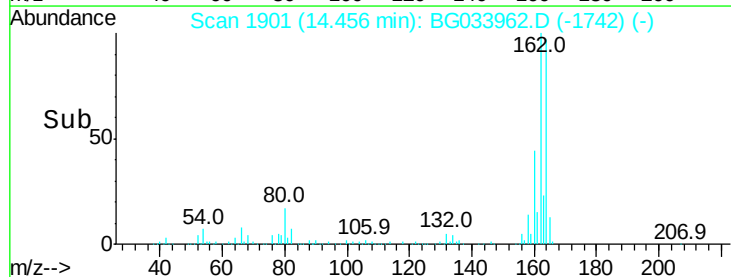
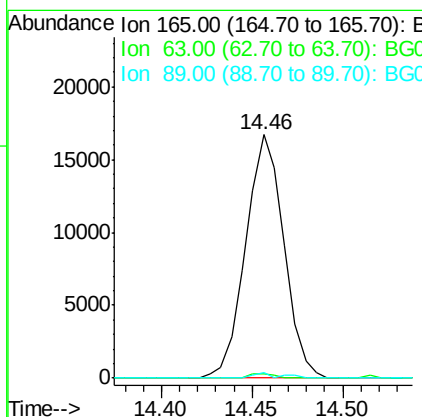
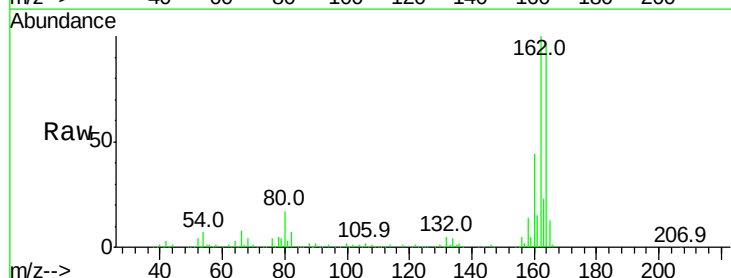
Instrument :
BNA_G
ClientSampled :

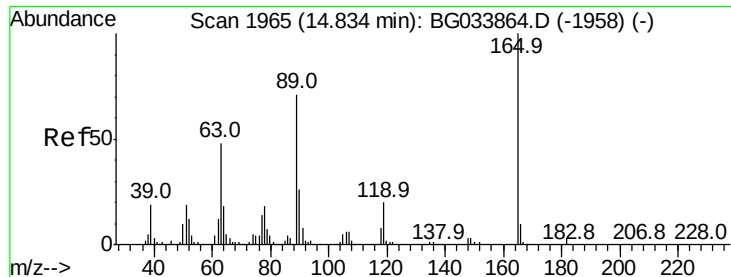
Tot Ion:172 Resp: 1280432
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 25.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.999 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033962.D
Acq: 24 Apr 2018 20:04

Tgt Ion:165 Resp: 24580
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 2.5 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.015 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

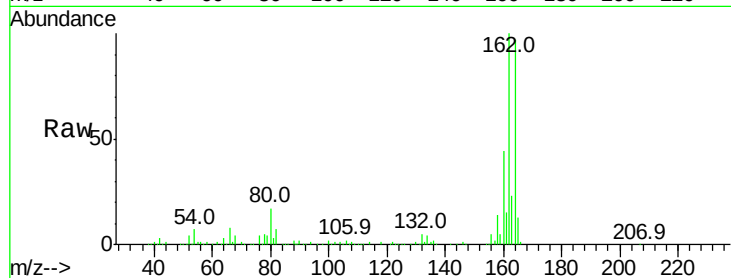
Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

Instrument :

BNA_G

ClientSampled :



Tot Ion:165 Resp: 24580

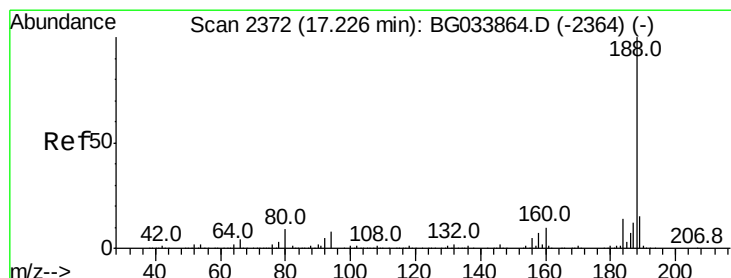
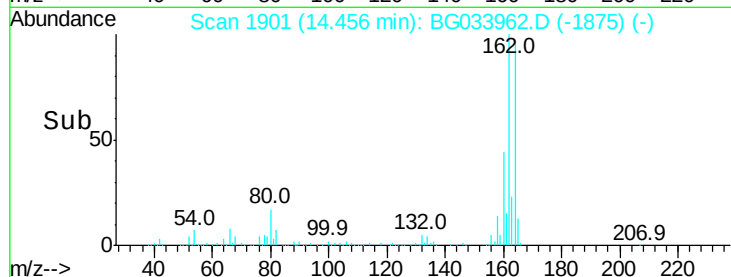
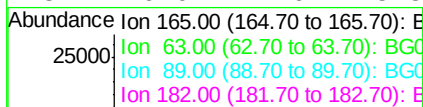
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 2.5 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: BG033962.D

Acq: 24 Apr 2018 20:04

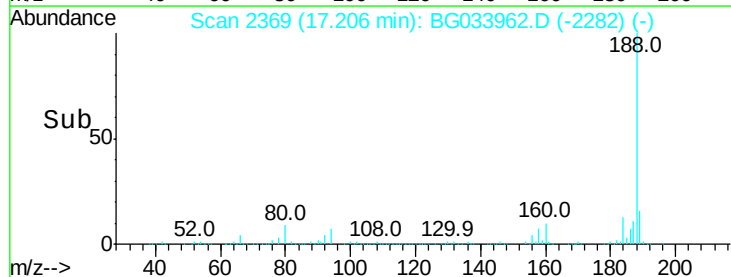
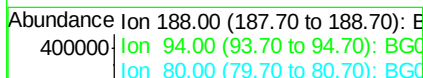
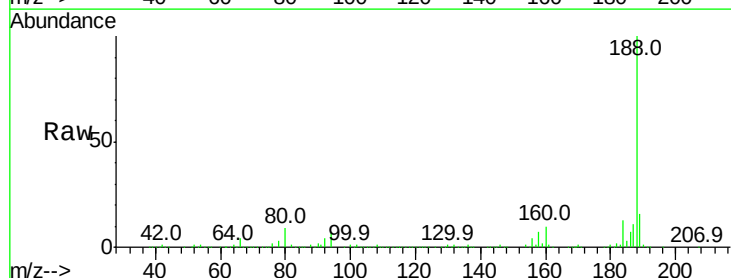
Tgt Ion:188 Resp: 463241

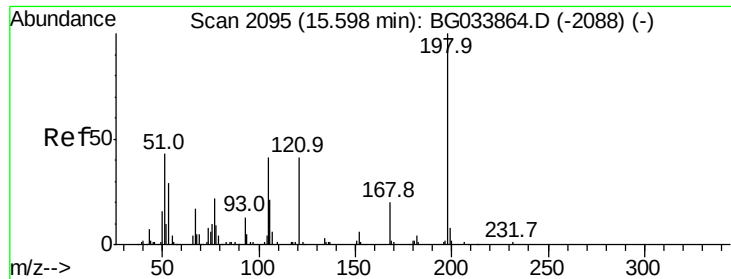
Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

80 8.6 7.7 11.5

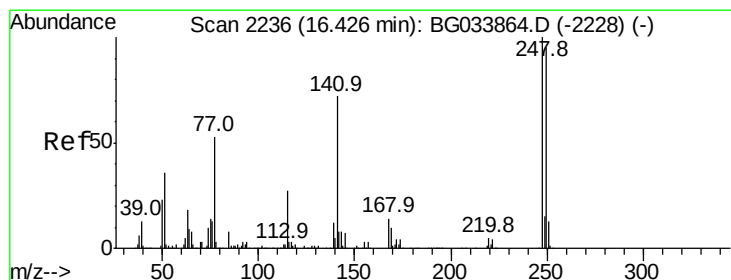
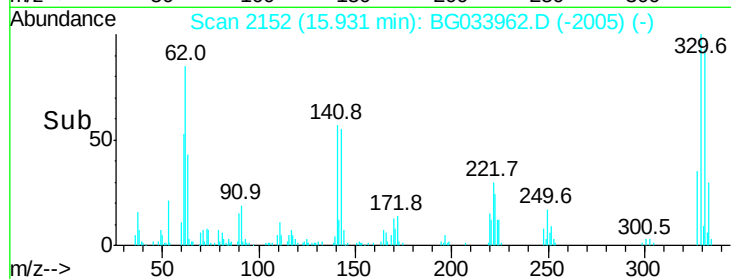
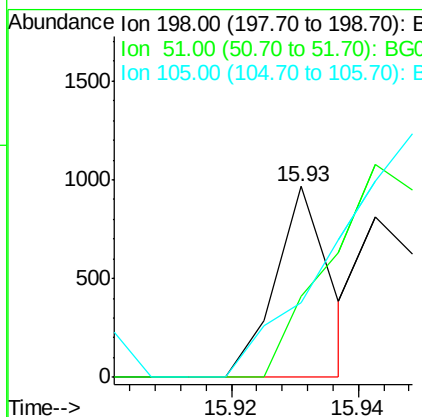
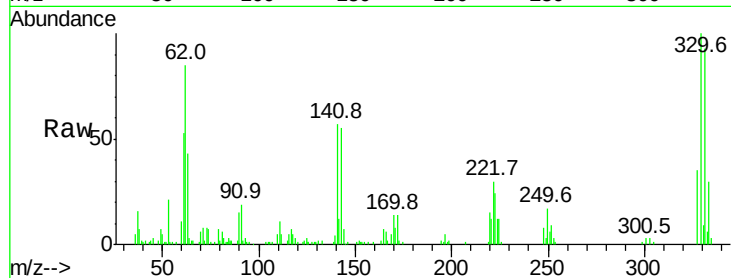




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.712 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.33 min
 Lab File: BG033962.D
 Acq: 24 Apr 2018 20:04

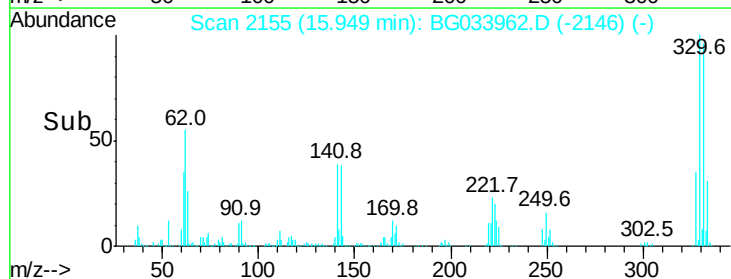
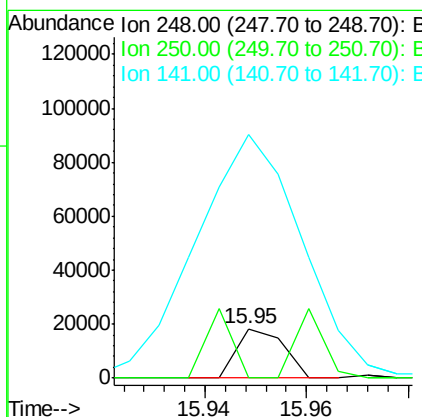
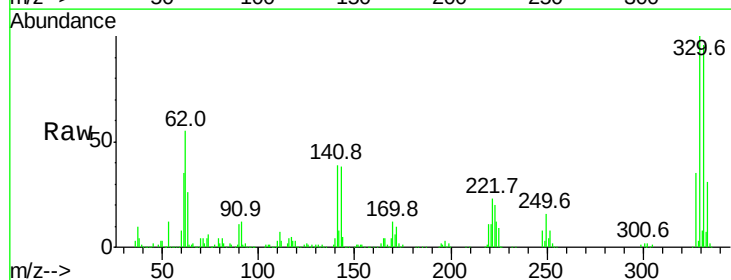
Instrument :
 BNA_G
 ClientSampleId :

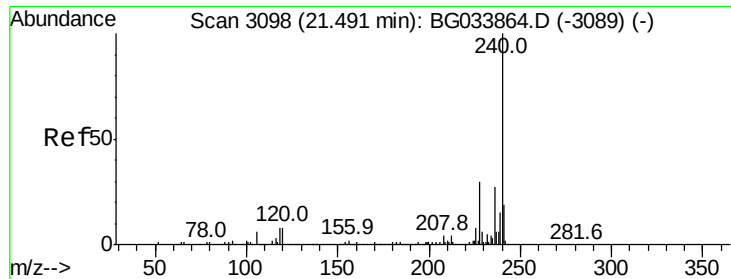
Tot Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 42.7 30.6 70.6
 105 39.1 23.8 63.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.298 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033962.D
 Acq: 24 Apr 2018 20:04

Tgt Ion:248 Resp: 11689
 Ion Ratio Lower Upper
 248 100
 250 39.7 77.1 115.7#
 141 373.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.03 min

Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

Instrument :

BNA_G

ClientSampleId :

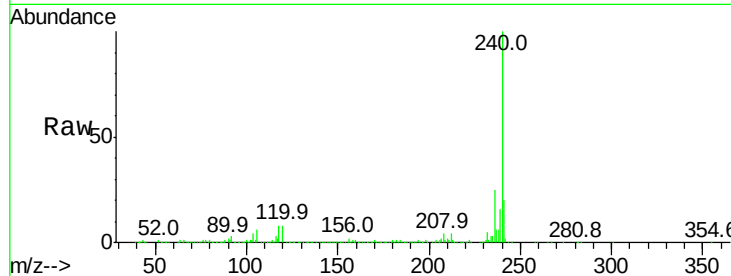
Tot Ion:240 Resp: 538634

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

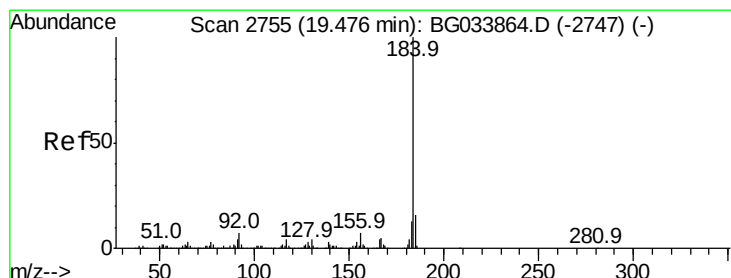
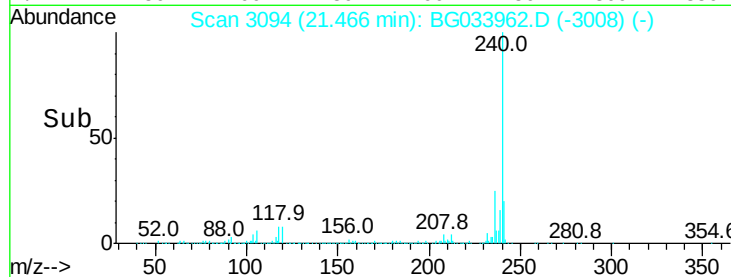
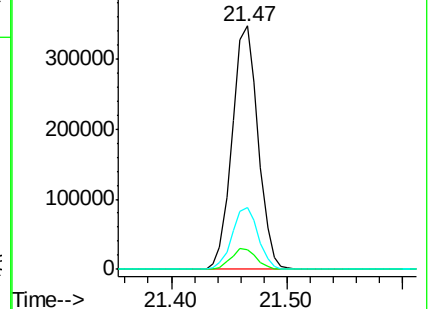
236 25.4 20.9 31.3



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: 2.038 ng

RT: 19.84 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033962.D

Acq: 24 Apr 2018 20:04

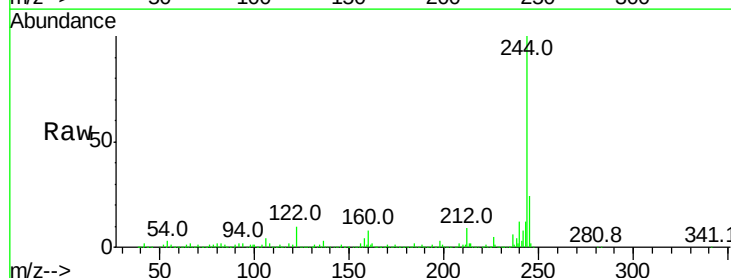
Tgt Ion:184 Resp: 29645

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

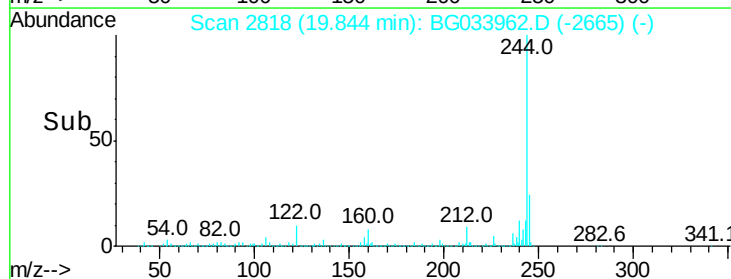
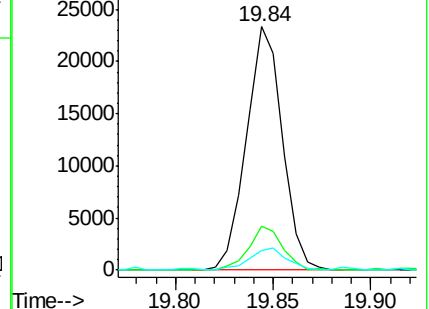
183 7.9 10.6 16.0#

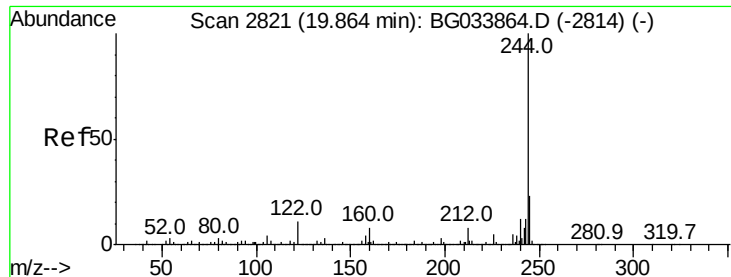


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



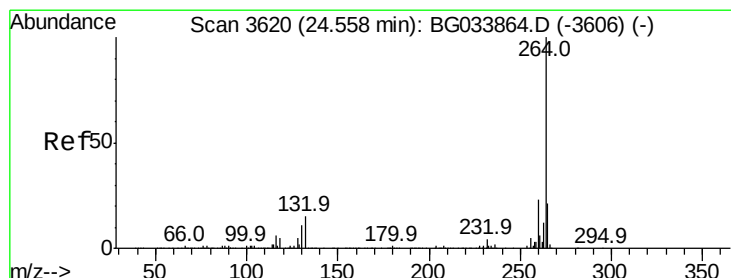
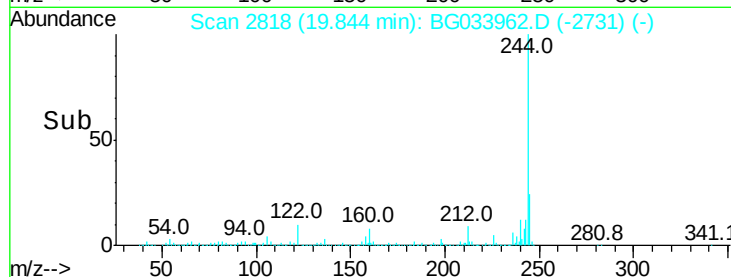
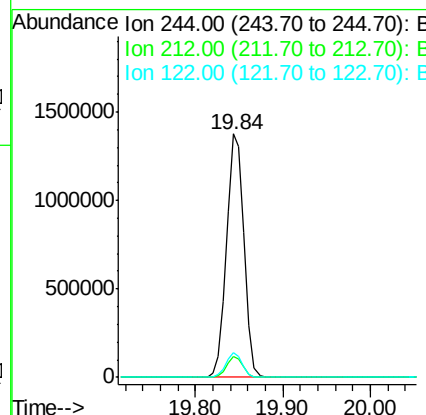
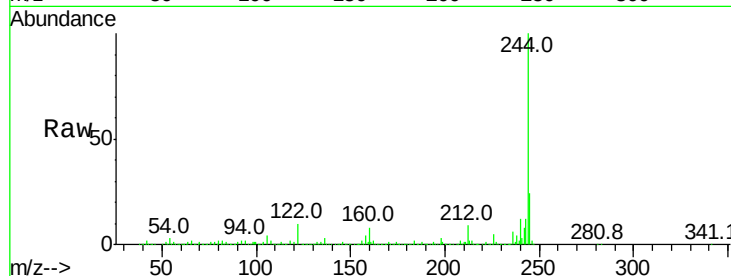


#78
 Terphenyl-d14
 Concen: 79.197 ng
 RT: 19.84 min Scan# 2818
 Delta R.T. -0.02 min
 Lab File: BG033962.D
 Acq: 24 Apr 2018 20:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1898783

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	10.2	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: BG033962.D
 Acq: 24 Apr 2018 20:04

Tgt Ion:264 Resp: 551944

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.6	17.7	26.5

