

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080118\
 Data File : BG036049.D
 Acq On : 2 Aug 2018 1:46
 Operator : JU/SJ
 Sample : PB111535TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 02 08:25:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

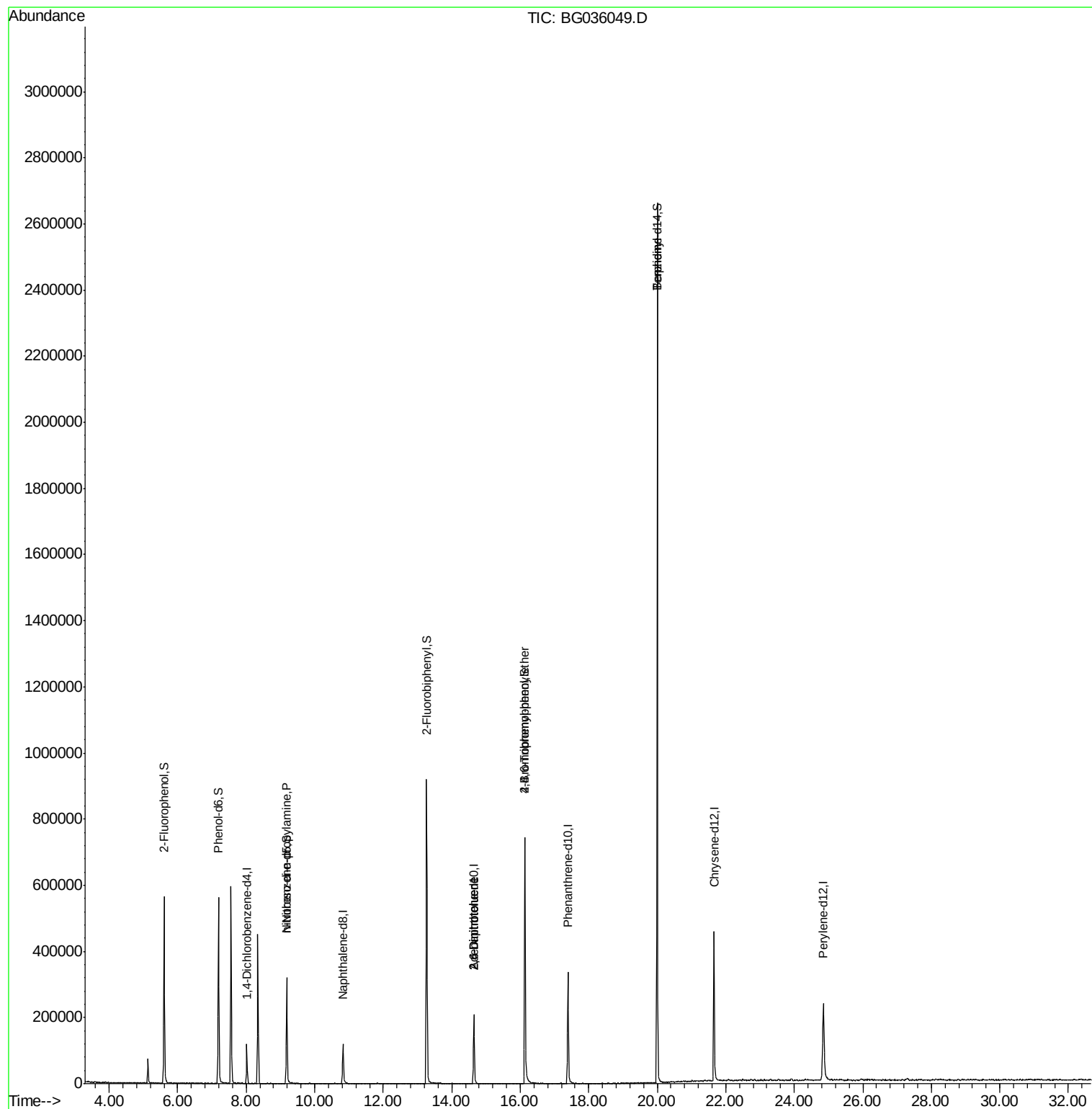
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33431	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	115387	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	82776	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	261282	20.00	ng	0.00
75) Chrysene-d12	21.65	240	320563	20.00	ng	0.00
86) Perylene-d12	24.86	264	296390	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	253161	125.72	ng	0.00
7) Phenol-d6	7.19	99	343464	114.32	ng	0.00
23) Nitrobenzene-d5	9.18	82	228884	82.87	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	165980	152.13	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	541821	87.69	ng	-0.01
78) Terphenyl-d14	20.00	244	1276137	87.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	31327	12.383	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	11033	7.471	ng	# 23
56) 2,4-Dinitrotoluene	14.65	165	11033	5.207	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	12871	4.246	ng	# 1
76) Benzidine	20.00	184	21756	2.581	ng	# 92

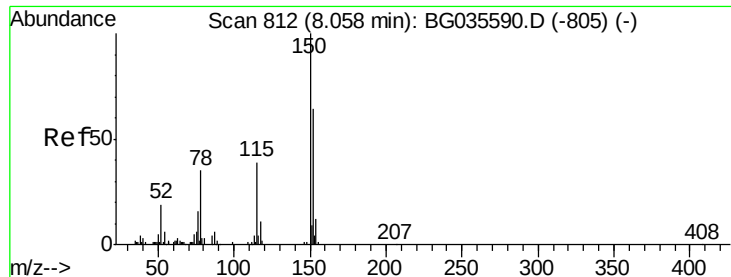
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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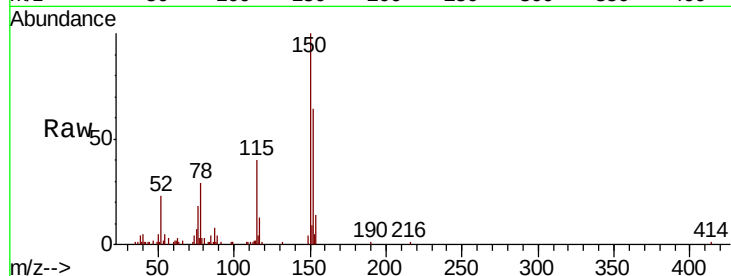


#1

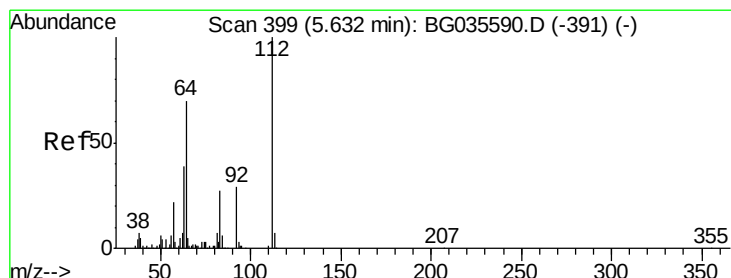
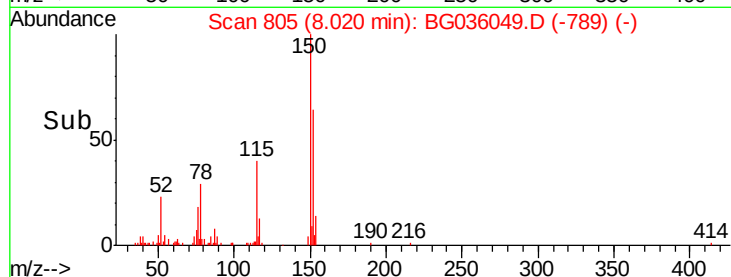
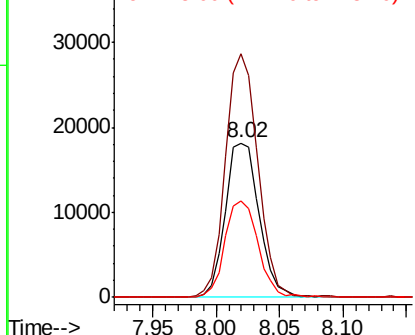
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. -0.00 min
Lab File: BG036049.D
Acq: 2 Aug 2018 1:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33431
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 62.2 53.0 79.4



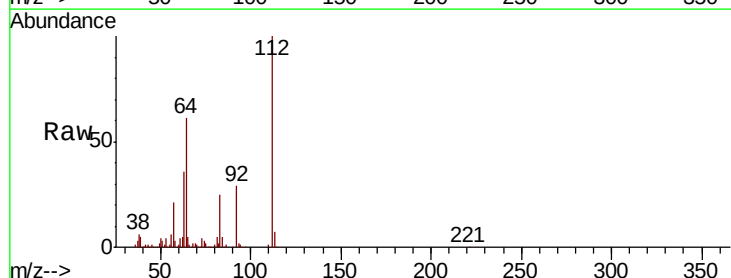
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



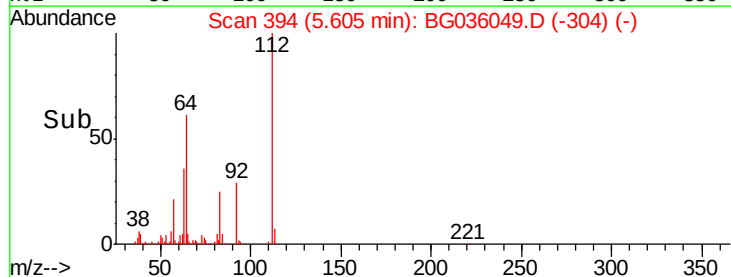
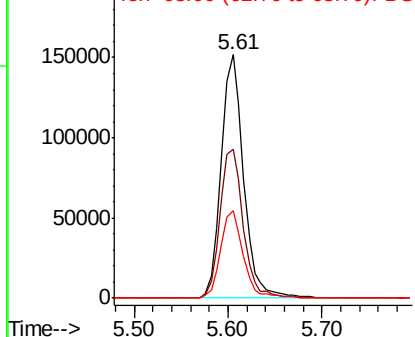
#5

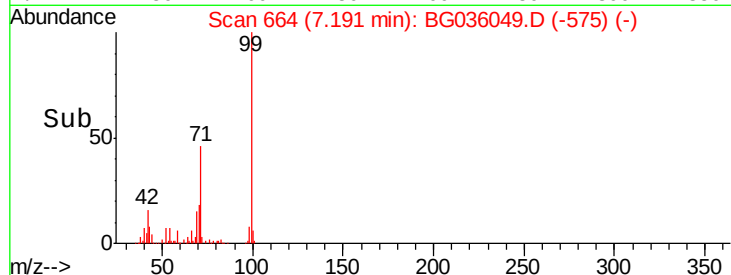
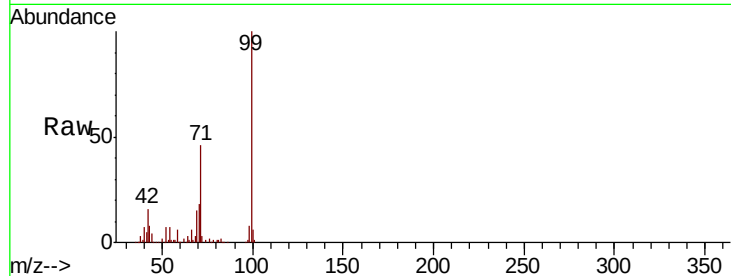
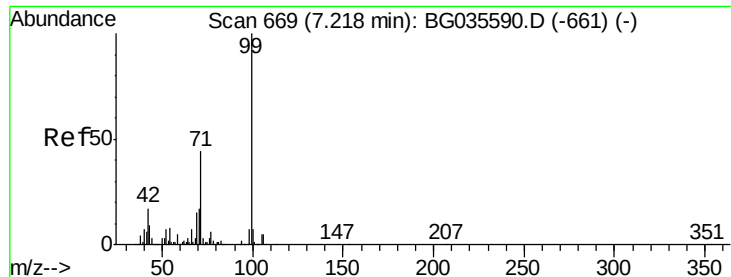
2-Fluorophenol
Concen: 125.724 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG036049.D
Acq: 2 Aug 2018 1:46

Tgt Ion:112 Resp: 253161
Ion Ratio Lower Upper
112 100
64 61.3 56.3 84.5
63 36.0 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: 114.324 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

Instrument :

BNA_G

ClientSampleId :

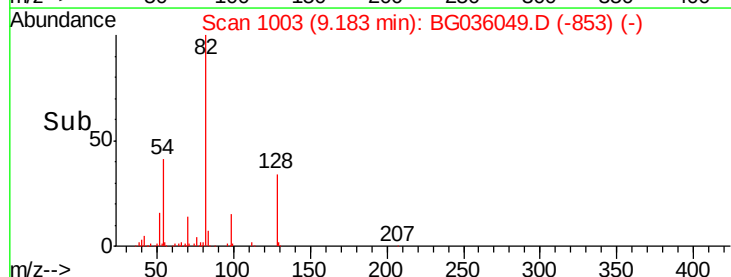
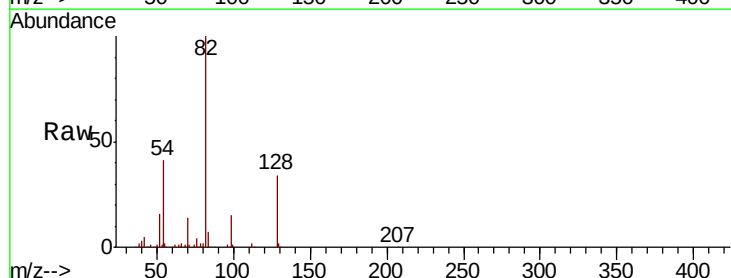
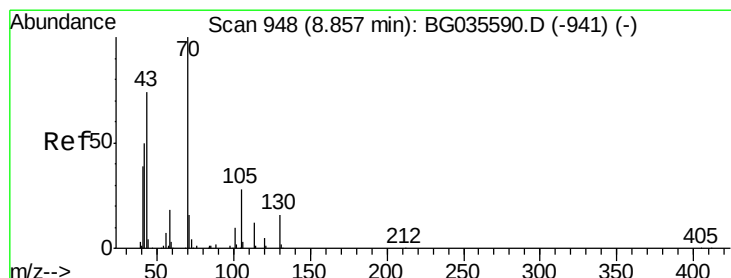
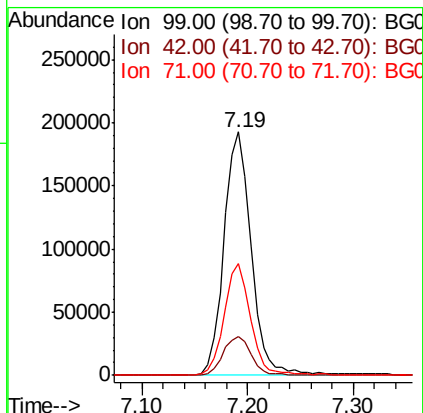
Tot Ion: 99 Resp: 343464

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

71 45.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.383 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

Tgt Ion: 70 Resp: 31327

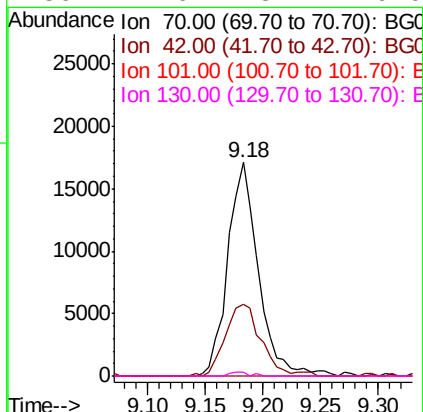
Ion Ratio Lower Upper

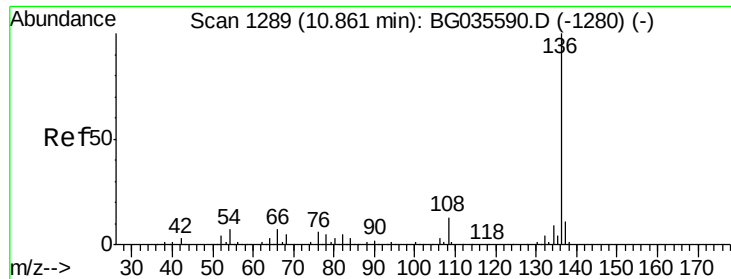
70 100

42 33.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BG036049.D

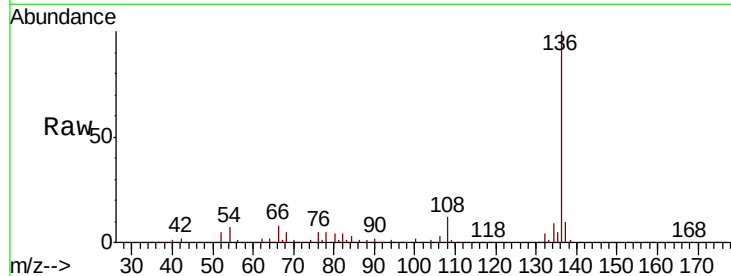
Acq: 2 Aug 2018 1:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	115387
Ion Ratio	Lower	Upper
136	100	
137	9.7	9.2 13.8
54	7.3	10.3 15.5#
68	4.8	4.5 6.7

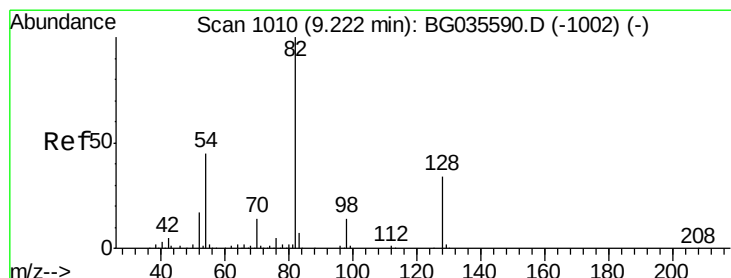
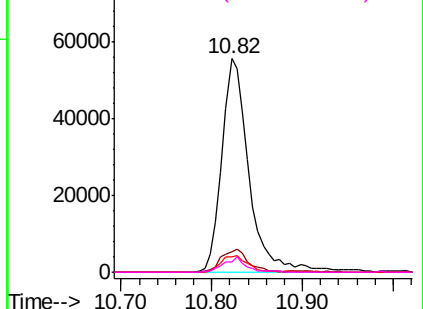
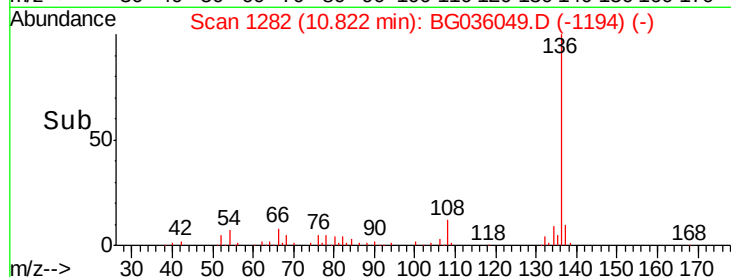


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.865 ng

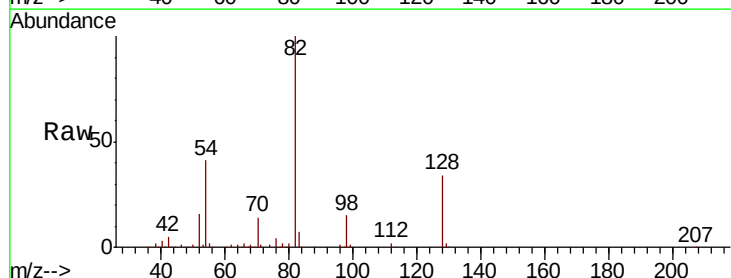
RT: 9.18 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

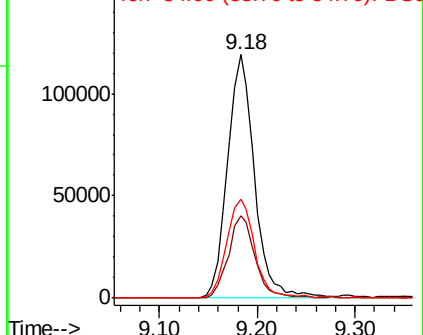
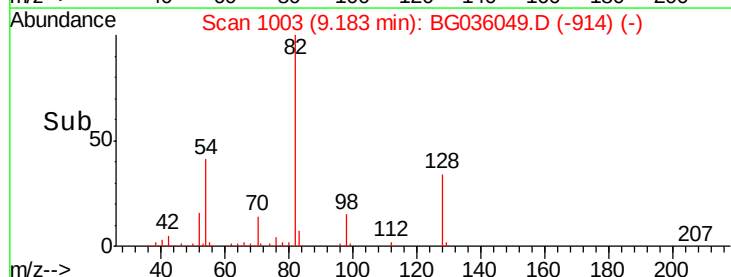
Tgt Ion: 82	Resp:	228884
Ion Ratio	Lower	Upper
82	100	
128	33.9	29.7 44.5
54	40.6	43.1 64.7#

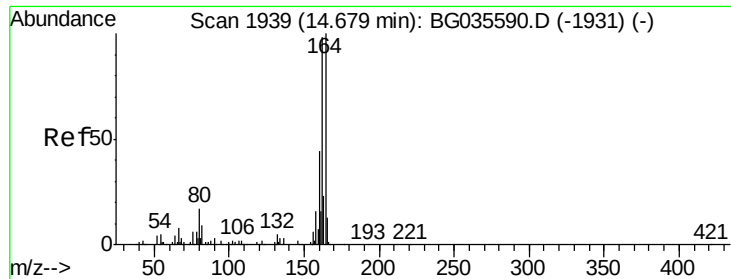


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.65 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

Instrument :

BNA_G

ClientSampleId :

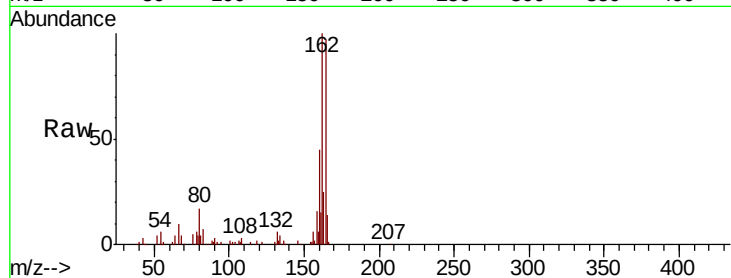
Tot Ion:164 Resp: 82776

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

160 45.9 35.4 53.0

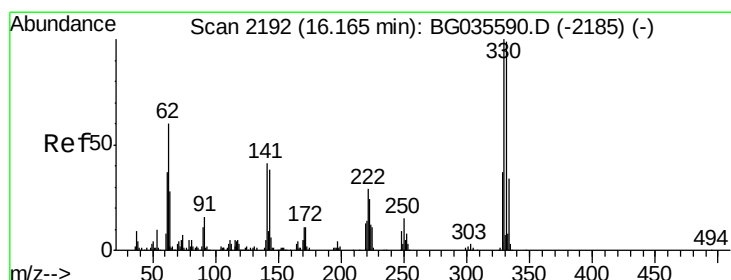
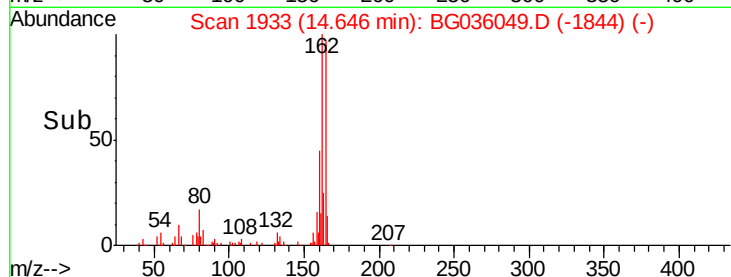
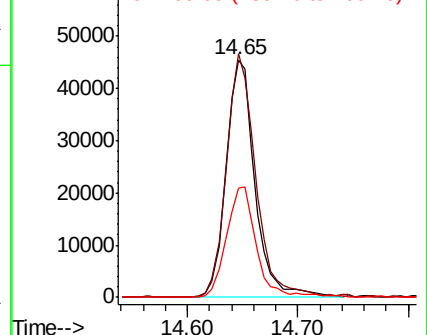


Abundance

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: 152.130 ng

RT: 16.13 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

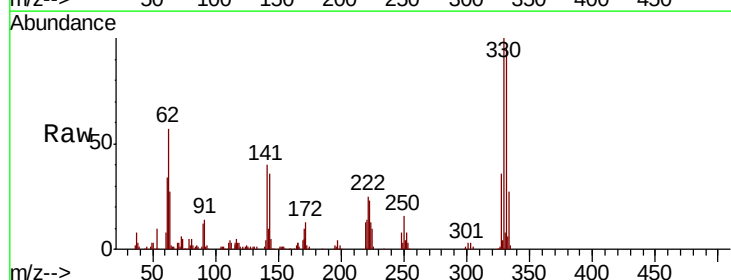
Tgt Ion:330 Resp: 165980

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

141 37.6 25.2 37.8

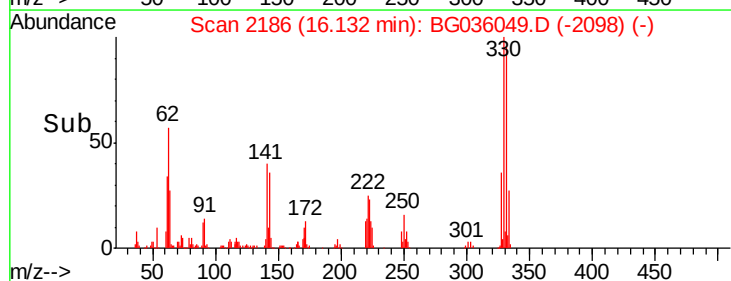
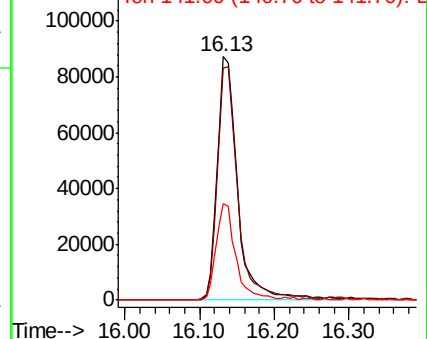


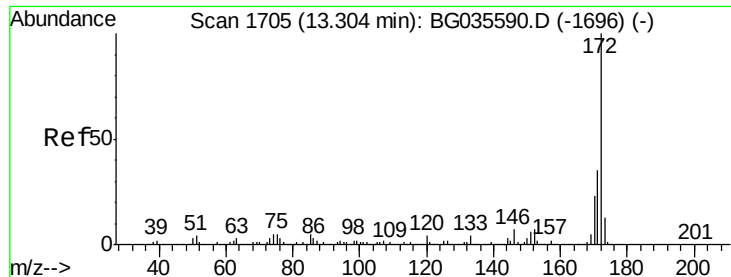
Abundance

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

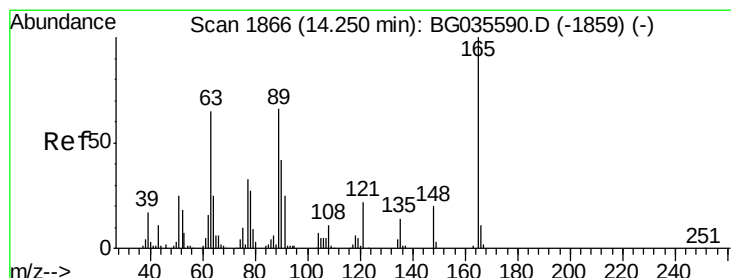
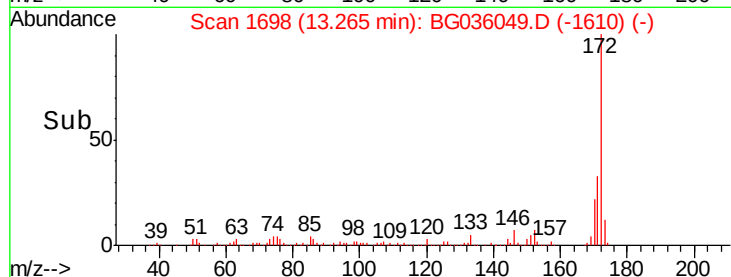
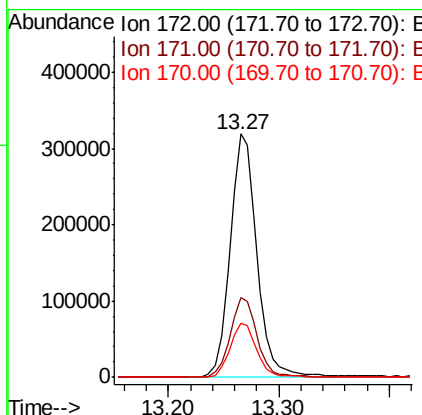
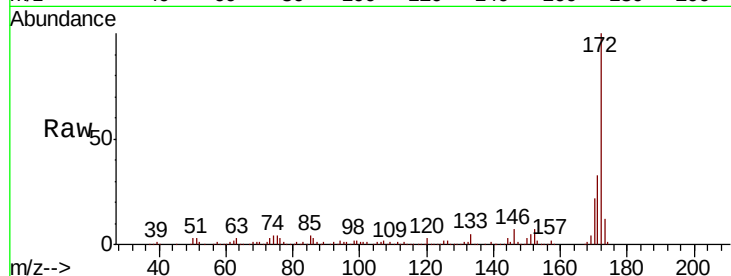




#44
 2-Fluorobiphenyl
 Concen: 87.694 ng
 RT: 13.27 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

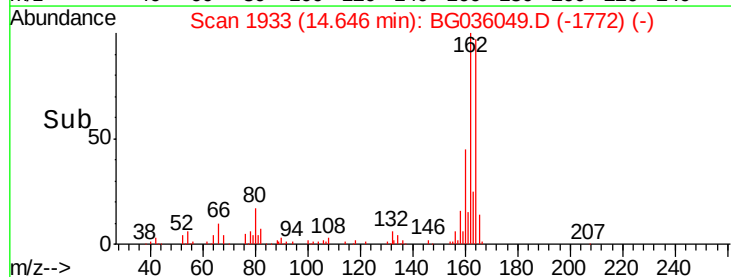
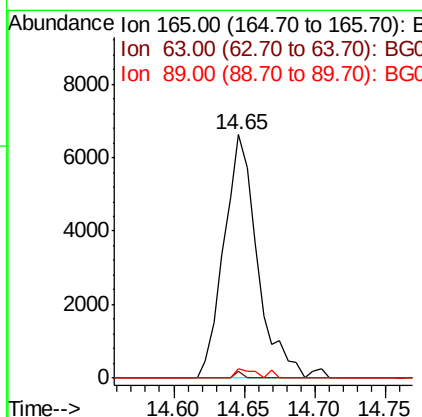
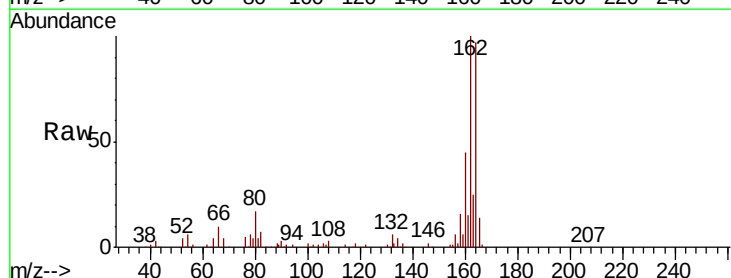
Instrument :
 BNA_G
 ClientSampleId :

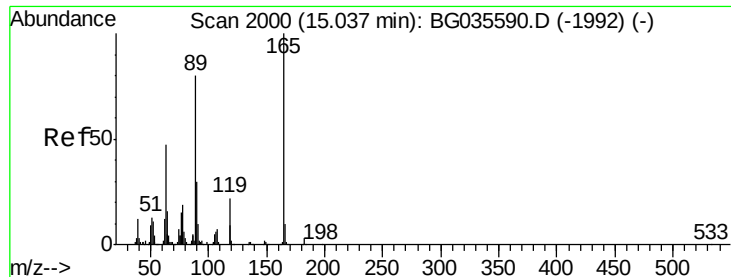
Tot Ion:172 Resp: 541821
 Ion Ratio Lower Upper
 172 100
 171 32.5 30.0 45.0
 170 22.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.471 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

Tgt Ion:165 Resp: 11033
 Ion Ratio Lower Upper
 165 100
 63 2.6 52.7 79.1#
 89 4.0 49.2 73.8#

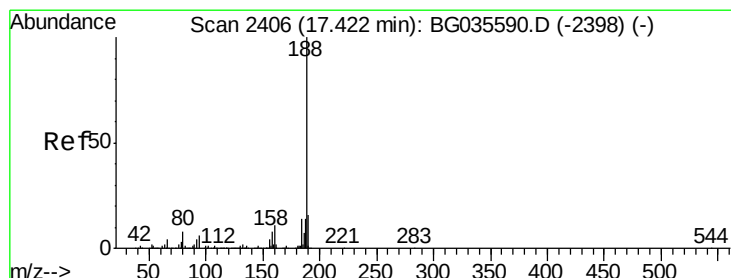
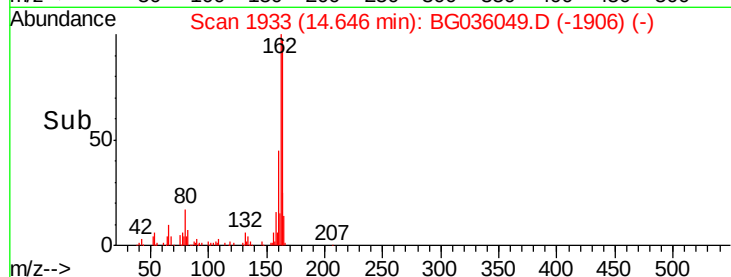
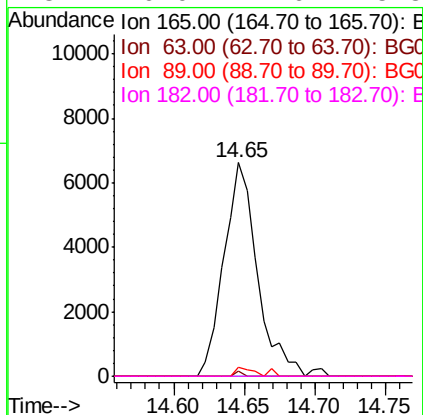
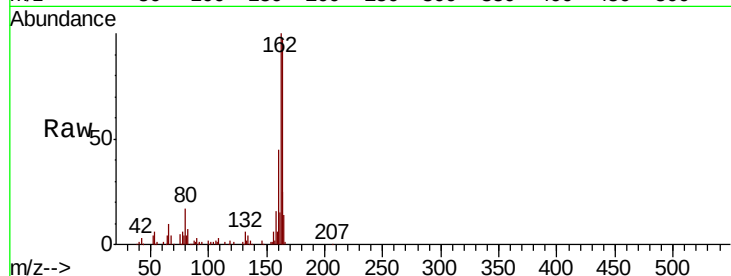




#56
 2,4-Dinitrotoluene
 Concen: 5.207 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

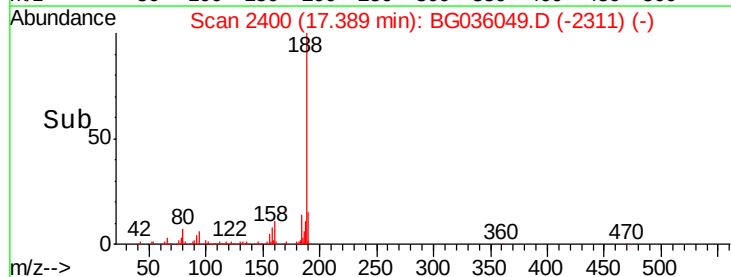
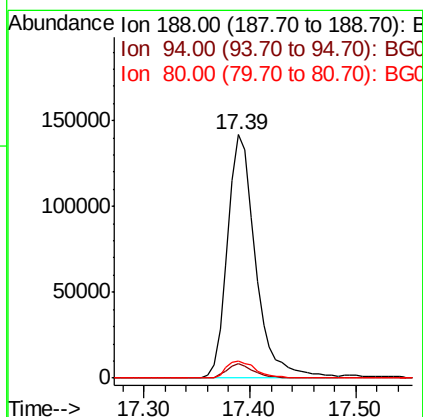
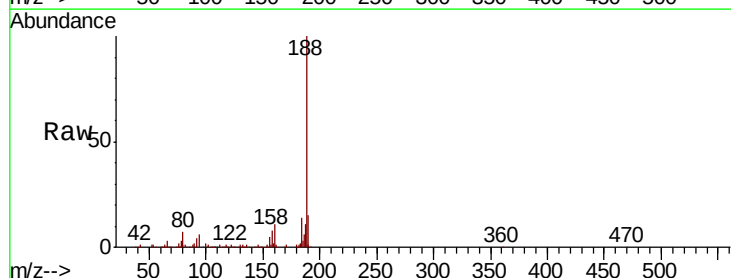
Instrument :
 BNA_G
 ClientSampleId :

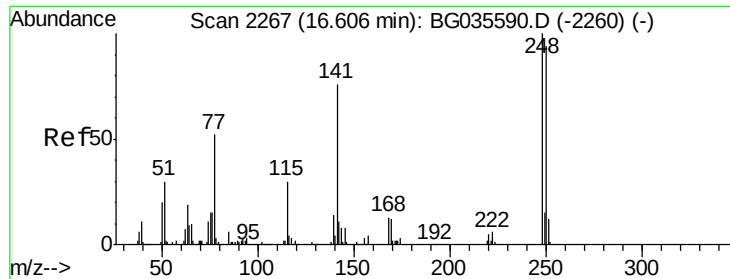
Tot Ion:165 Resp: 11033
 Ion Ratio Lower Upper
 165 100
 63 2.6 42.0 63.0#
 89 4.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

Tgt Ion:188 Resp: 261282
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.9 10.3#
 80 7.0 7.7 11.5#

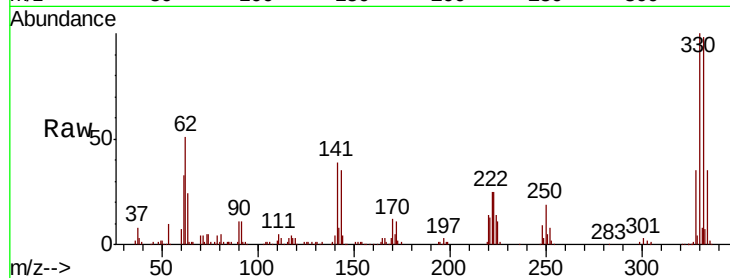




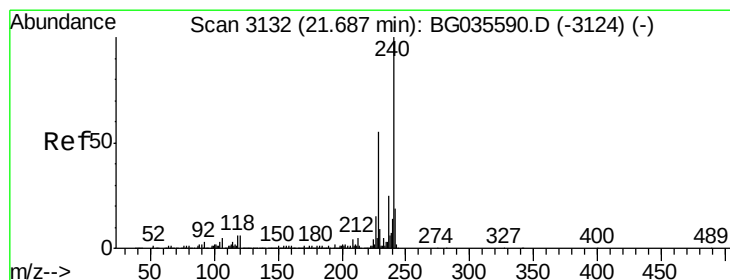
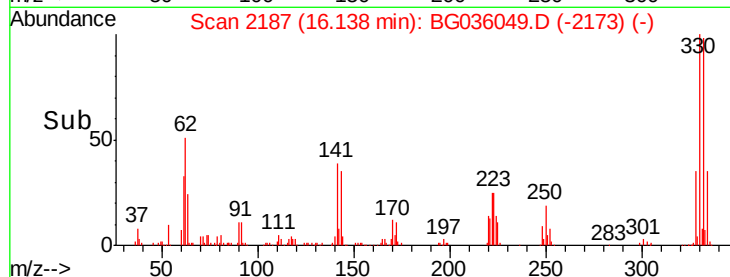
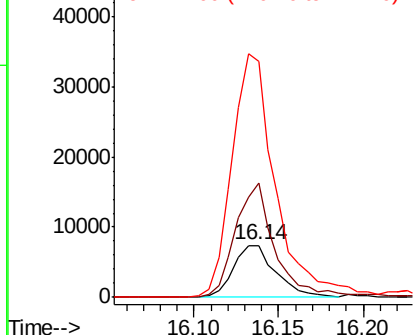
#66
 4-Bromophenyl-phenylether
 Concen: 4.246 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 12871
 Ion Ratio Lower Upper
 248 100
 250 219.1 77.1 115.7#
 141 453.1 50.8 76.2#

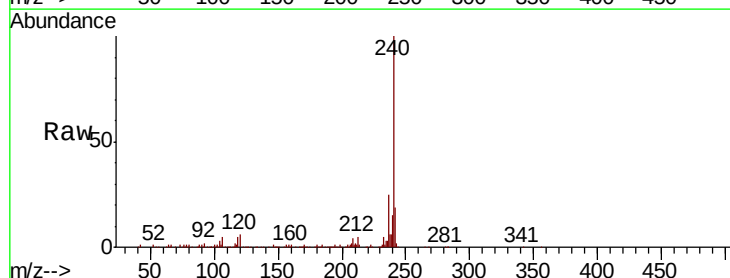


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

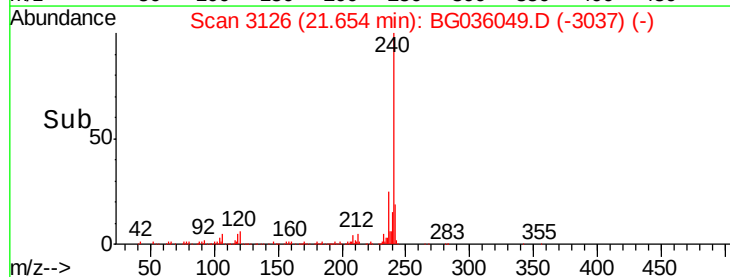
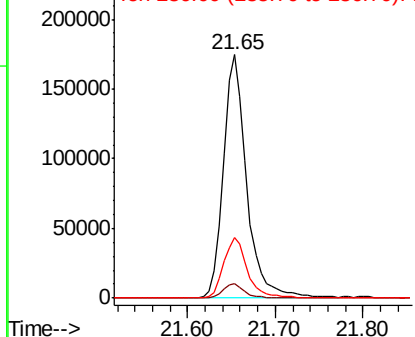


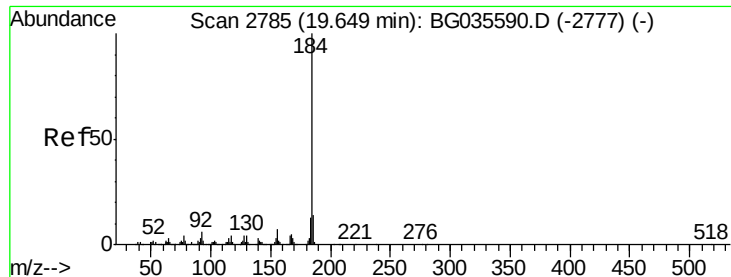
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.00 min
 Lab File: BG036049.D
 Acq: 2 Aug 2018 1:46

Tgt Ion:240 Resp: 320563
 Ion Ratio Lower Upper
 240 100
 120 5.9 6.8 10.2#
 236 24.9 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: 2.581 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

Instrument :

BNA_G

ClientSampleId :

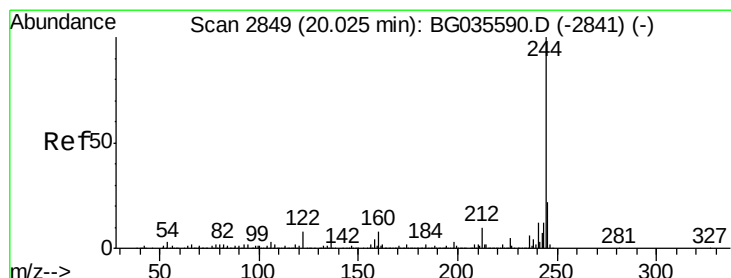
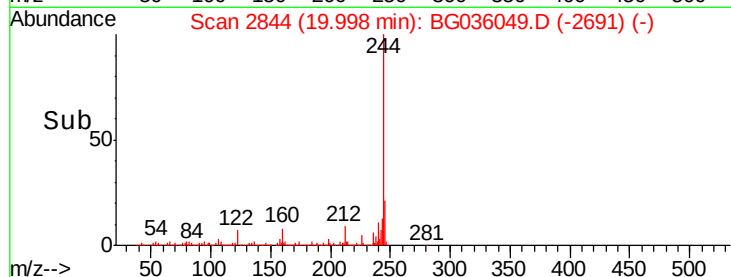
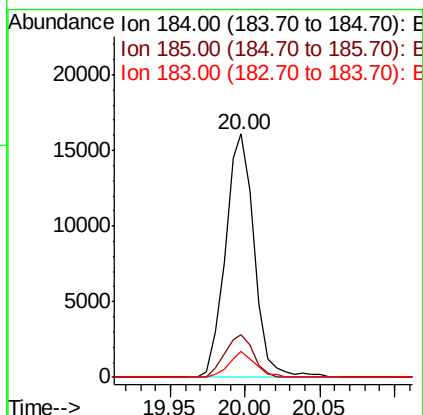
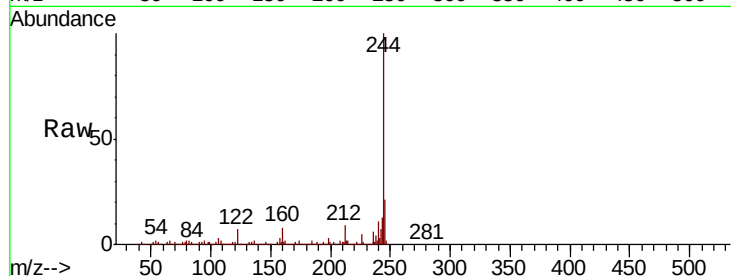
Tot Ion:184 Resp: 21756

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

183 10.8 10.6 16.0



#78

Terphenyl-d14

Concen: 87.752 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG036049.D

Acq: 2 Aug 2018 1:46

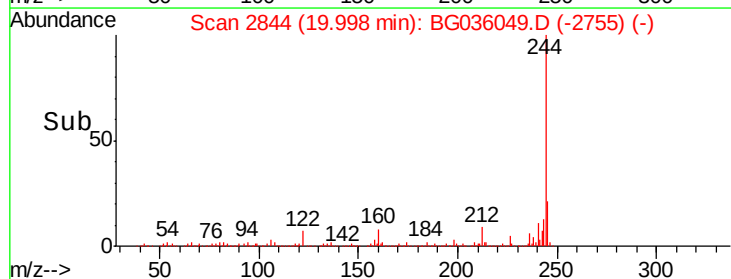
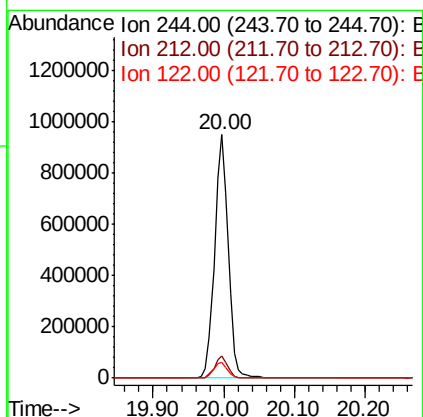
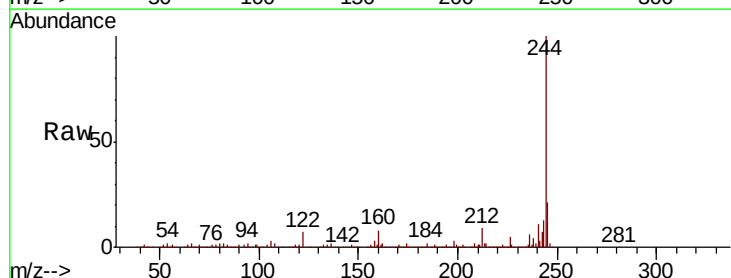
Tgt Ion:244 Resp: 1276137

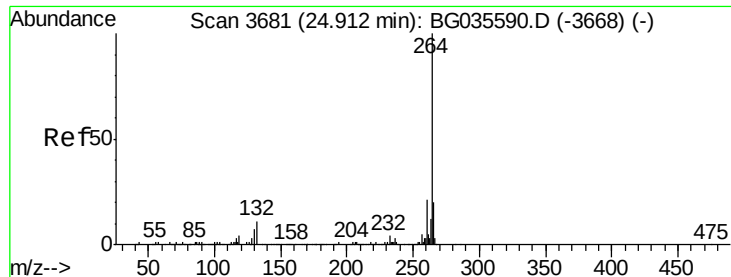
Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

122 6.7 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.00 min
Lab File: BG036049.D
Acq: 2 Aug 2018 1:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	20.6	17.7	26.5

