

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036019.D
 Acq On : 1 Aug 2018 2:34
 Operator : JU/SJ
 Sample : PB111635TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 05:03:36 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

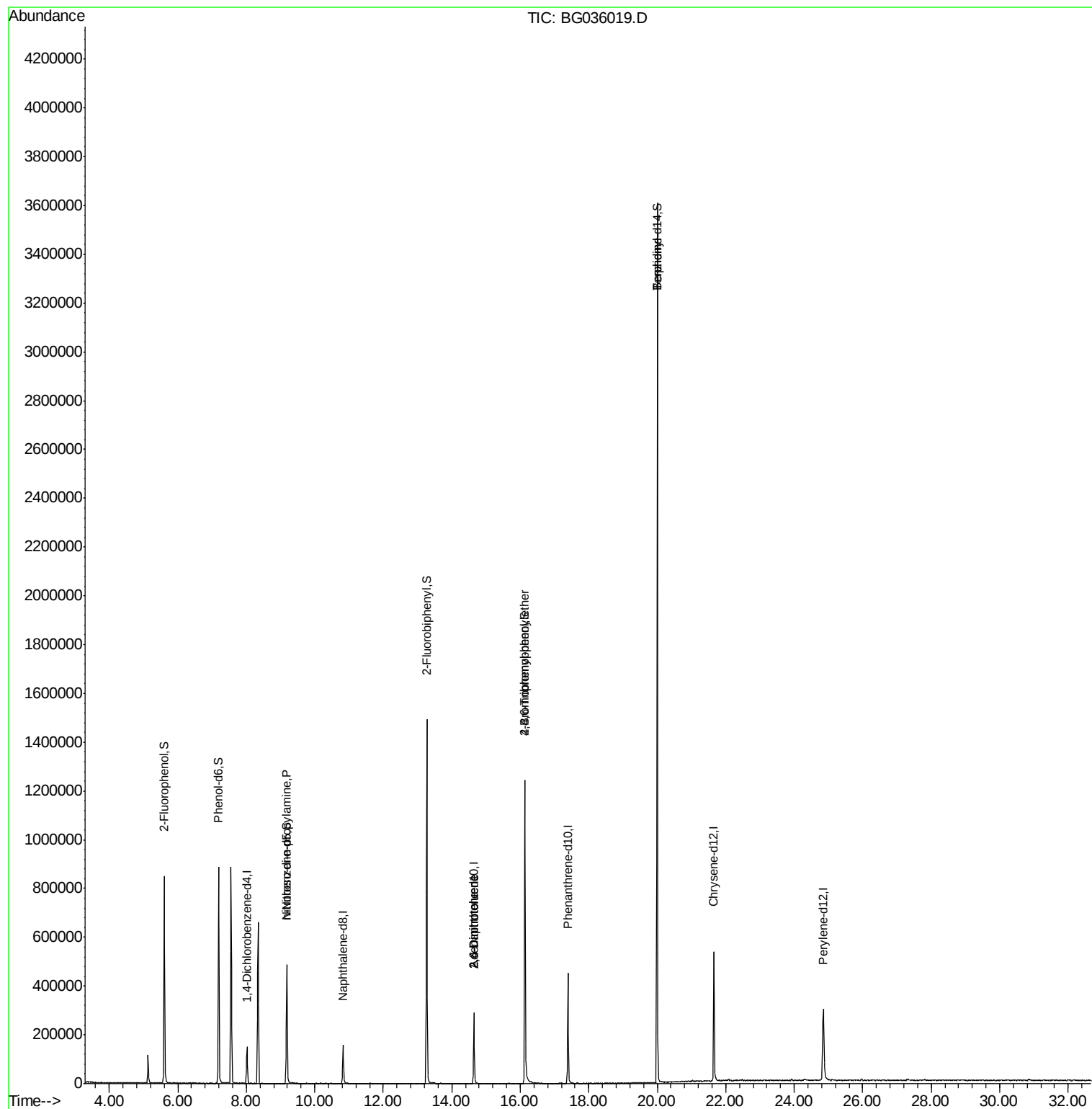
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43979	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	148205	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	111413	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	329633	20.00	ng	0.00
75) Chrysene-d12	21.65	240	384119	20.00	ng	0.00
86) Perylene-d12	24.85	264	358417	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	380155	143.51	ng	0.00
7) Phenol-d6	7.19	99	536651	135.78	ng	0.00
23) Nitrobenzene-d5	9.19	82	348902	98.35	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	256685	174.79	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	820210	98.63	ng	0.00
78) Terphenyl-d14	20.00	244	1733874	99.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	47121	14.159	ng	# 71
50) 2,6-Dinitrotoluene	14.65	165	14819	7.455	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	14819	5.196	ng	# 19
66) 4-Bromophenyl-phenylether	16.13	248	20041	5.240	ng	# 1
76) Benzidine	19.99	184	30535	3.024	ng	# 92

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

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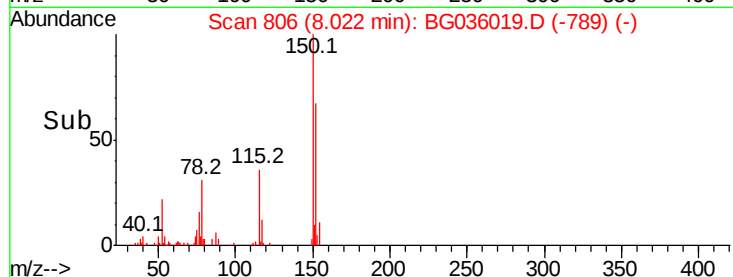
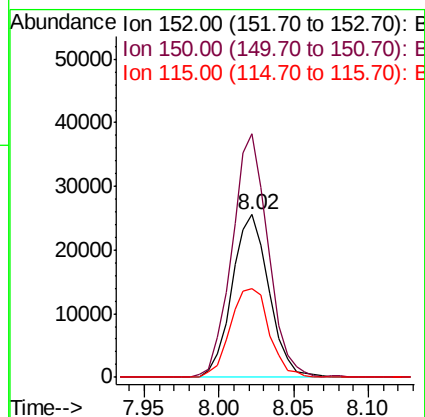
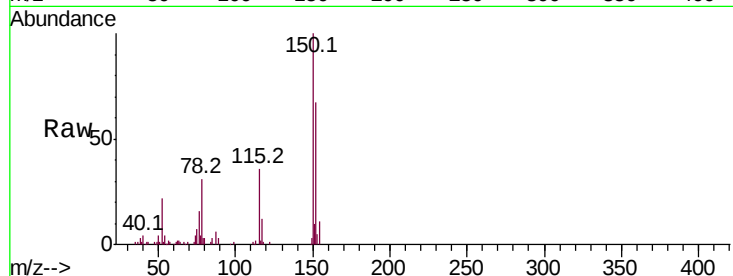


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

Instrument :
BNA_G
ClientSampled :

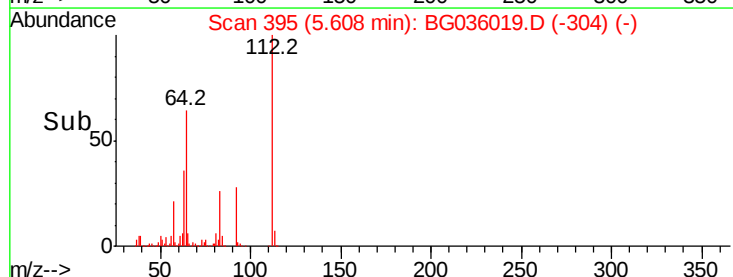
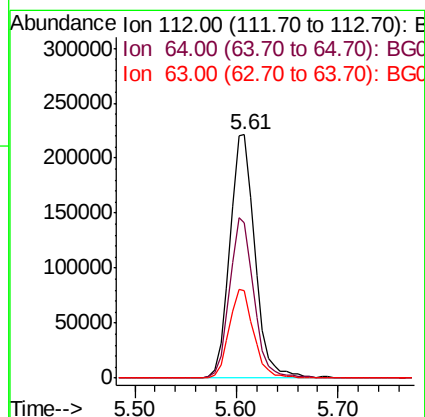
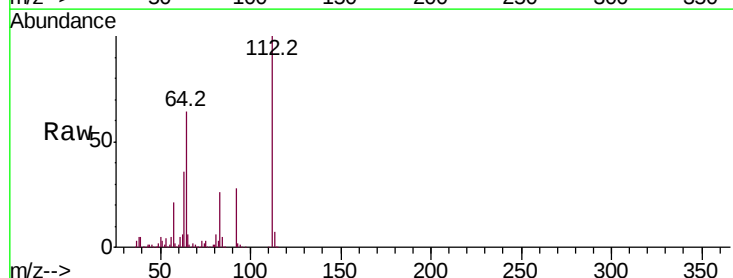
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.6	189.8
115	54.5	53.0	79.4

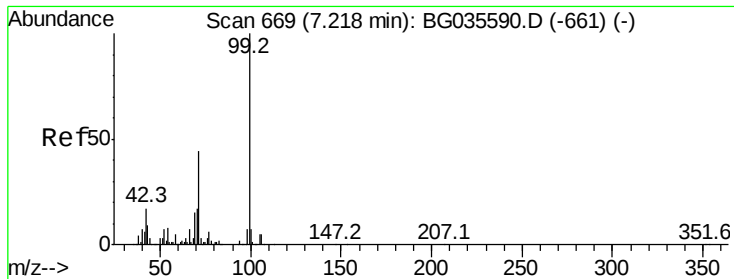


#5

2-Fluorophenol
Concen: 143.511 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	56.3	84.5
63	36.1	30.1	45.1





#7

Phenol-d6

Concen: 135.785 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

Instrument :

BNA_G

ClientSampleId :

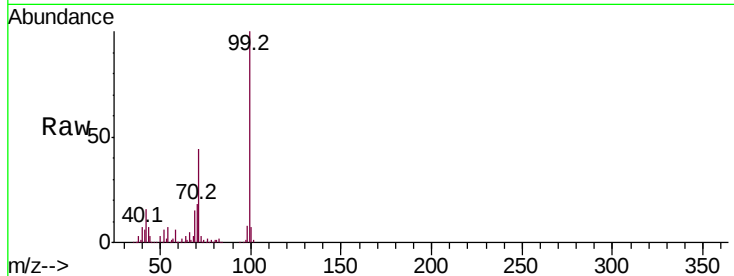
Tot Ion: 99 Resp: 536651

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 44.2 26.1 39.1#

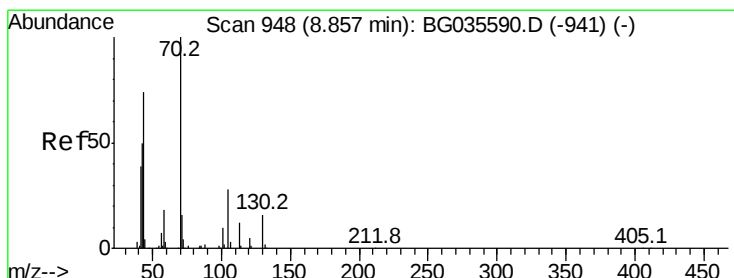
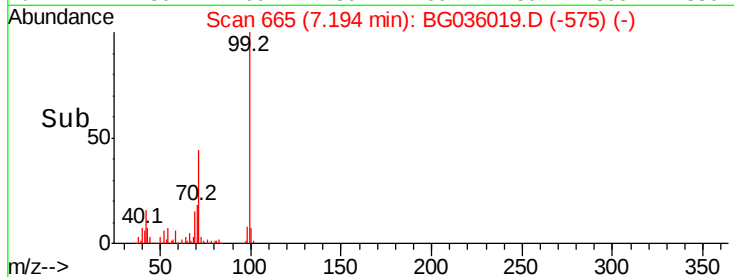
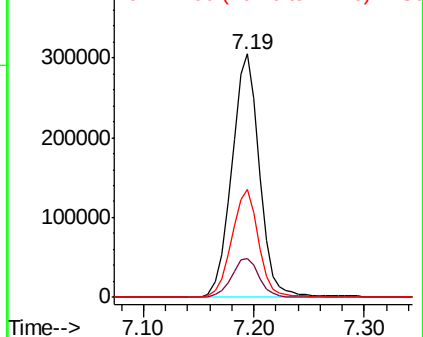


Abundance

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: 14.159 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

Tgt Ion: 70 Resp: 47121

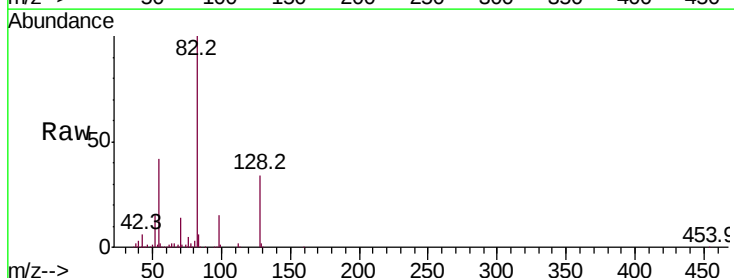
Ion Ratio Lower Upper

70 100

42 40.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#



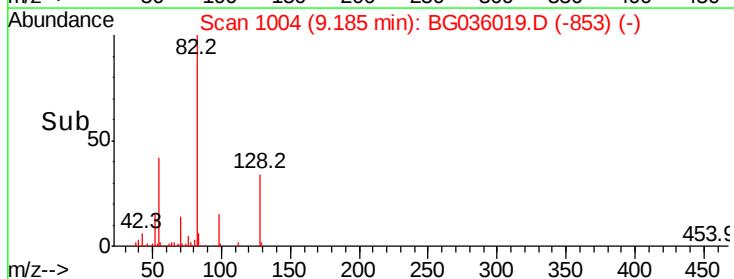
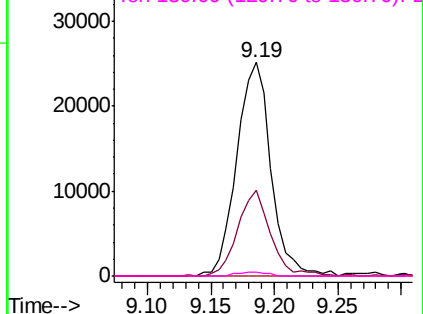
Abundance

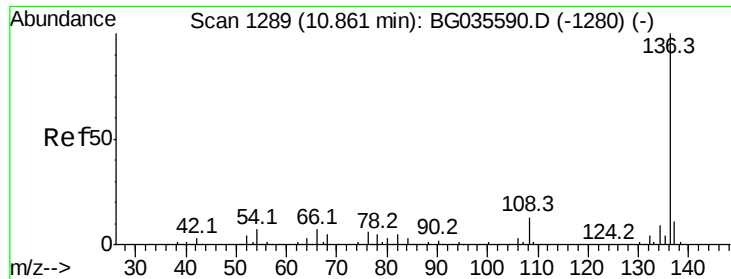
Ion 70.00 (69.70 to 70.70): BGC

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

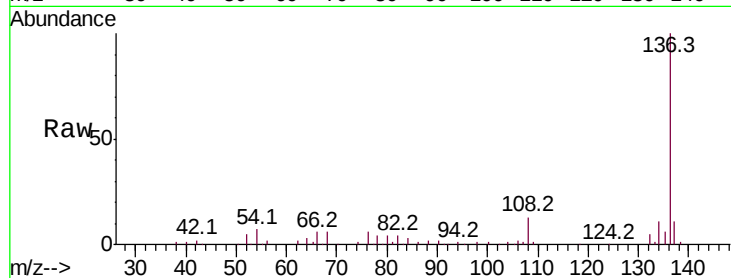




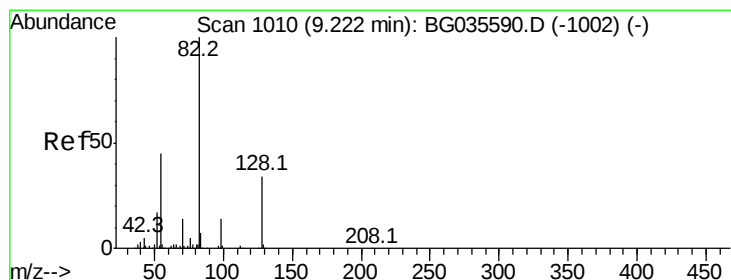
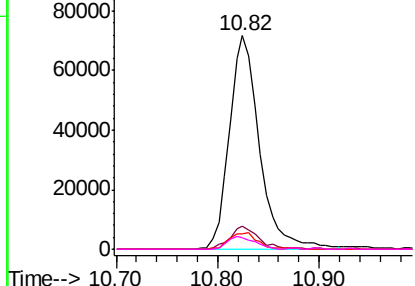
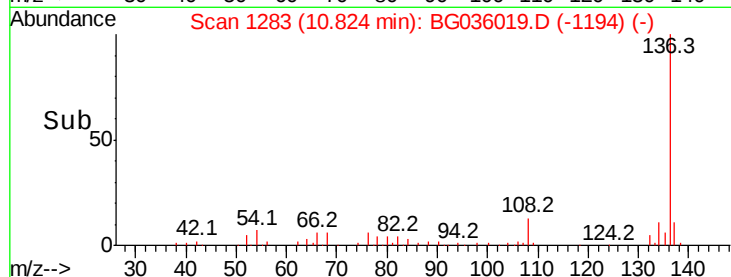
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	148205
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.2	13.8
54	7.3	10.3	15.5#
68	5.6	4.5	6.7

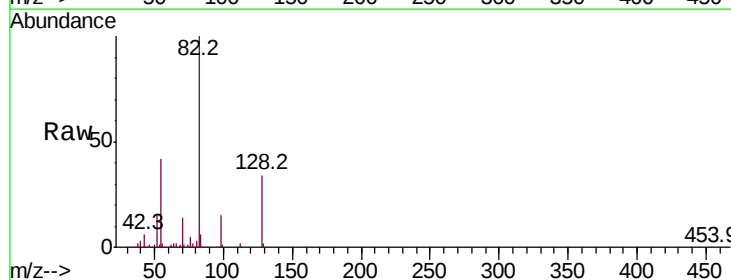


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

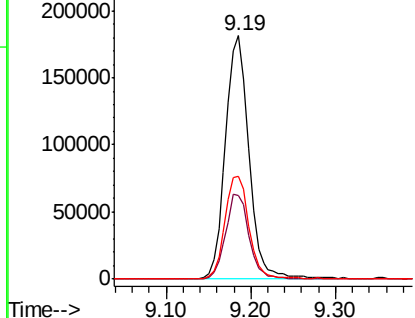
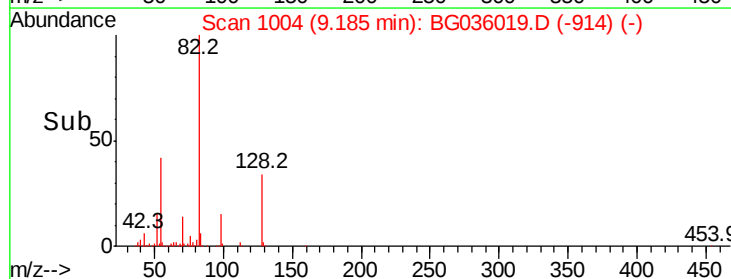


#23
Nitrobenzene-d5
Concen: 98.345 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

Tgt Ion:	82	Resp:	348902
Ion Ratio	Lower	Upper	
82	100		
128	34.1	29.7	44.5
54	42.2	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# 1934

Delta R.T. -0.00 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

Instrument :

BNA_G

ClientSampleId :

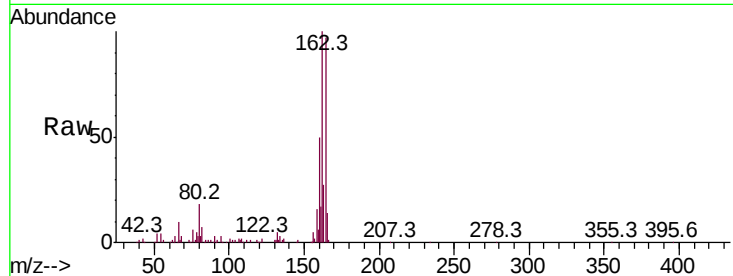
Tot Ion:164 Resp: 111413

Ion Ratio Lower Upper

164 100

162 102.9 78.8 118.2

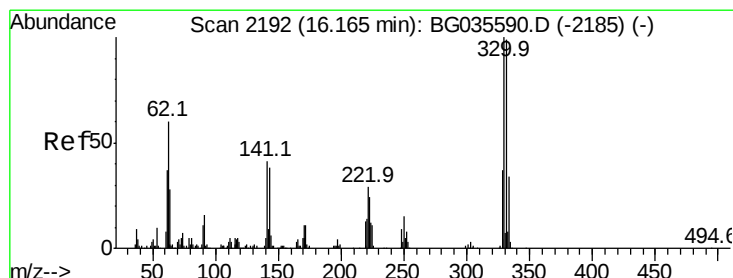
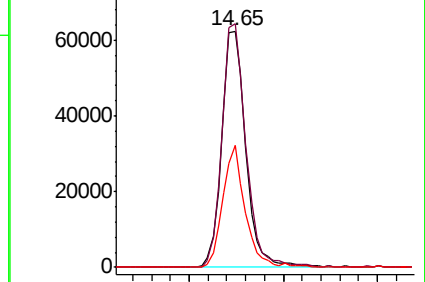
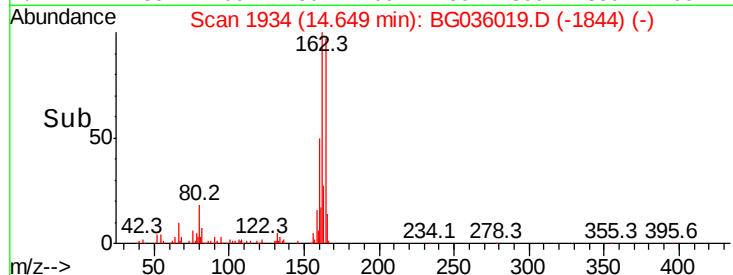
160 51.3 35.4 53.0



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: 174.795 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

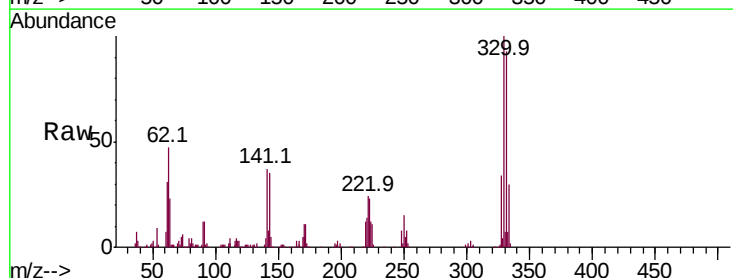
Tgt Ion:330 Resp: 256685

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

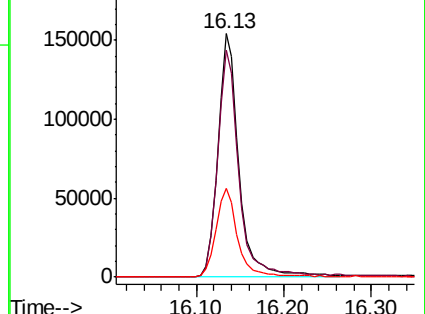
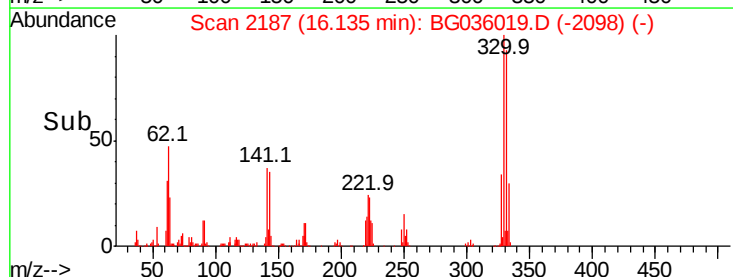
141 37.6 25.2 37.8

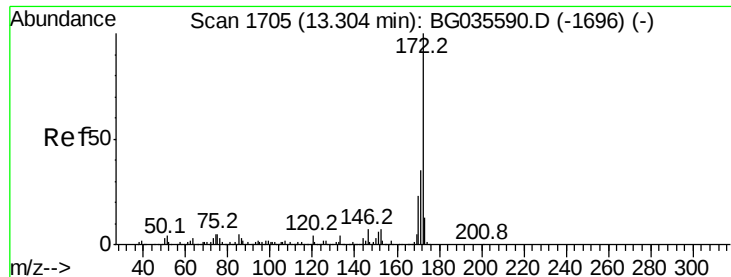


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 98.630 ng

RT: 13.27 min Scan# 1699

Delta R.T. -0.01 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

Instrument :

BNA_G

ClientSampleId :

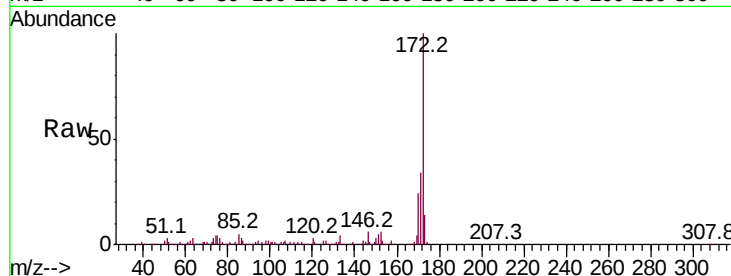
Tot Ion:172 Resp: 820210

Ion Ratio Lower Upper

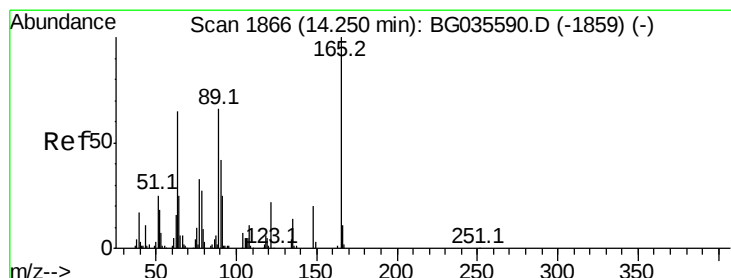
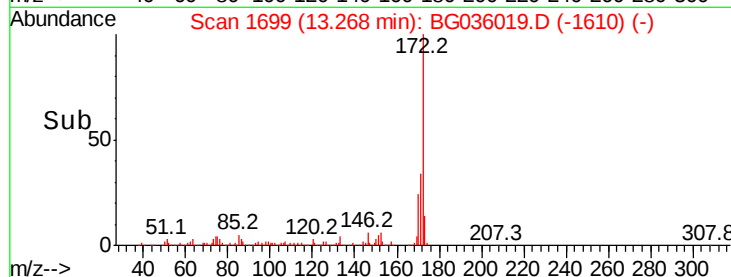
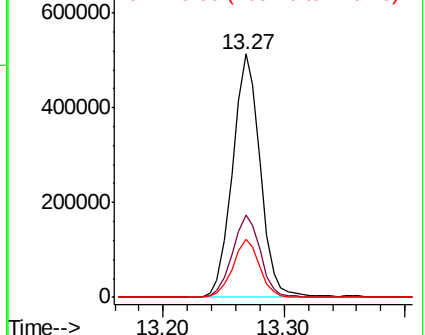
172 100

171 33.7 30.0 45.0

170 24.0 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: 7.455 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.42 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

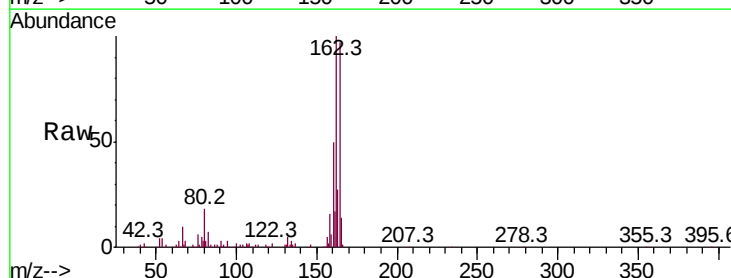
Tgt Ion:165 Resp: 14819

Ion Ratio Lower Upper

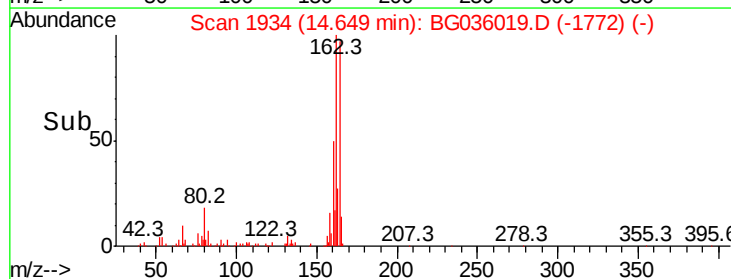
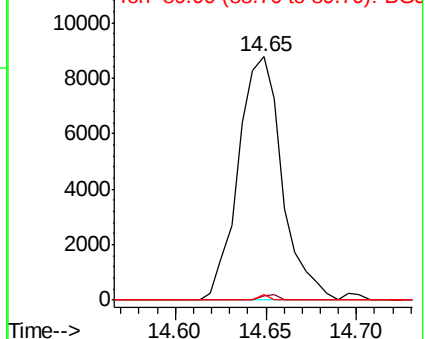
165 100

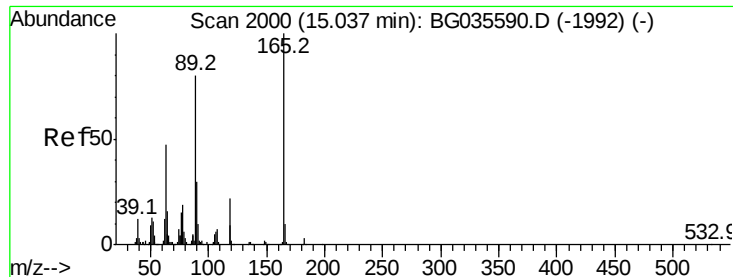
63 1.8 52.7 79.1#

89 2.1 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

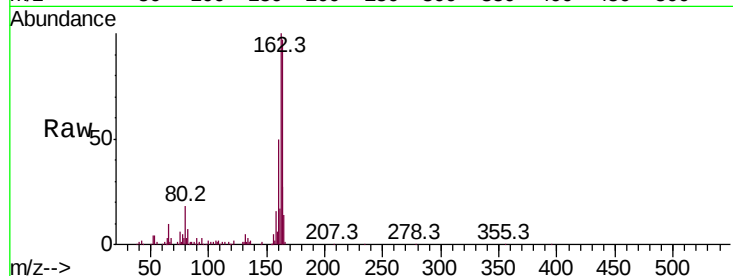




#56
2,4-Dinitrotoluene
Concen: 5.196 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#

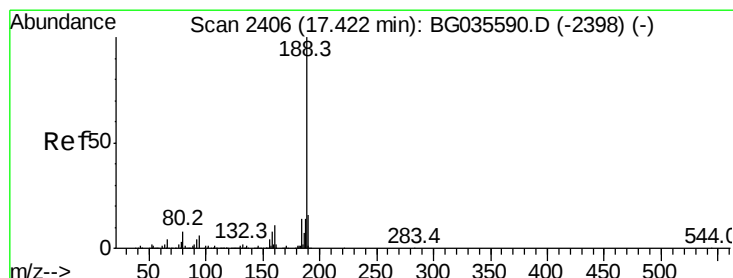
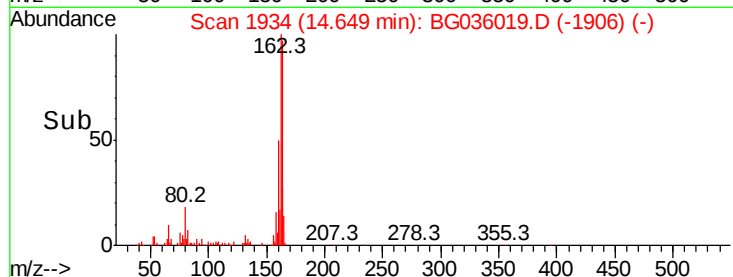
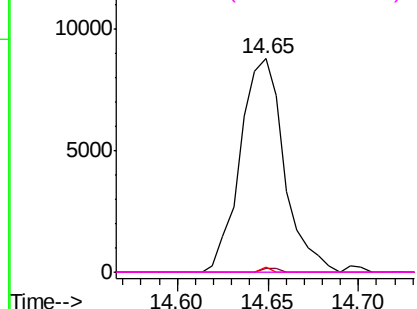


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

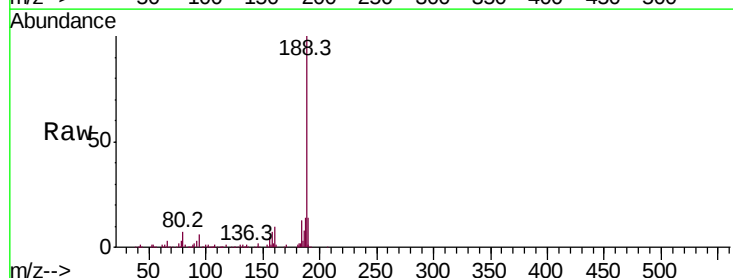
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG036019.D
Acq: 1 Aug 2018 2:34

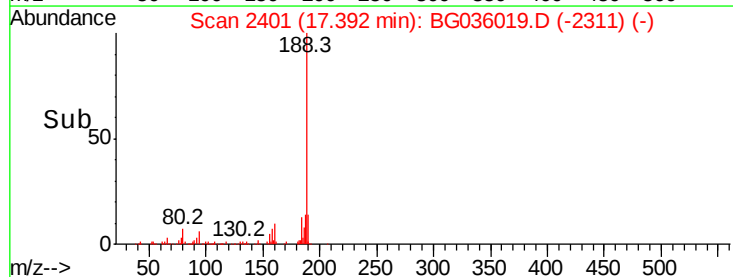
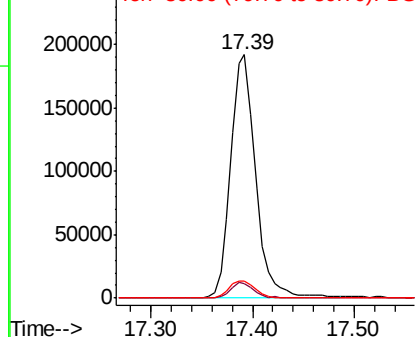
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.2	7.7	11.5#

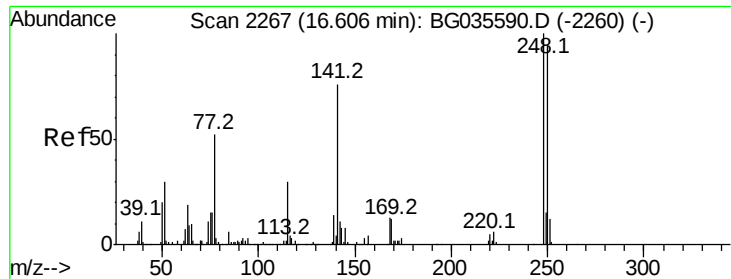


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

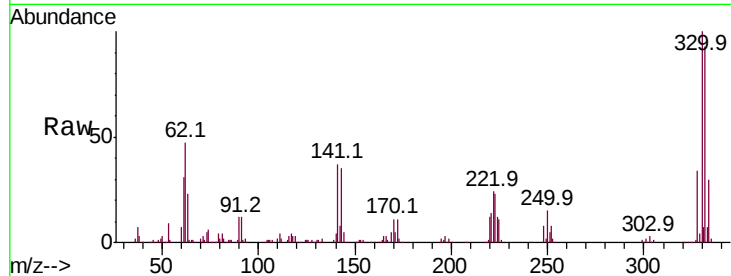




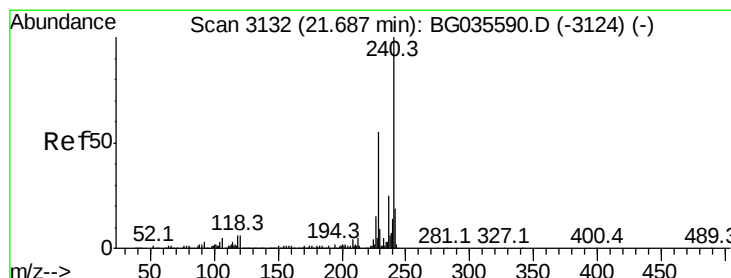
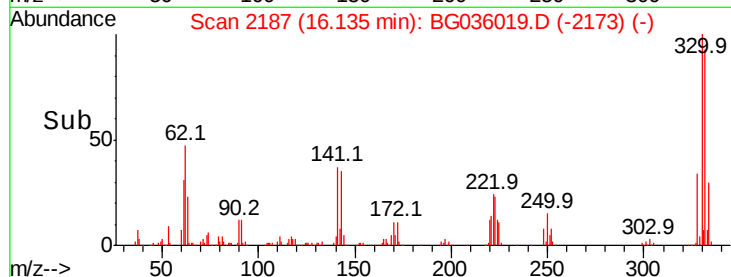
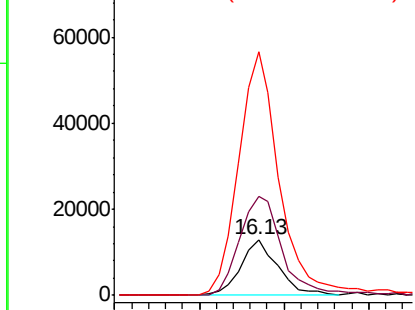
#66
 4-Bromophenyl-phenylether
 Concen: 5.240 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036019.D
 Acq: 1 Aug 2018 2:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20041
 Ion Ratio Lower Upper
 248 100
 250 177.6 77.1 115.7#
 141 436.9 50.8 76.2#

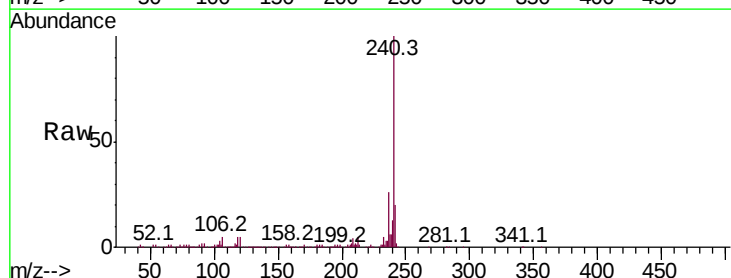


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

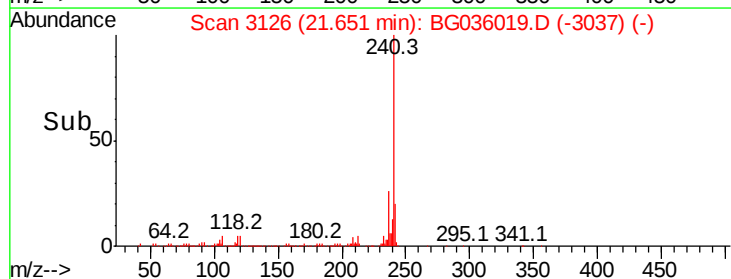
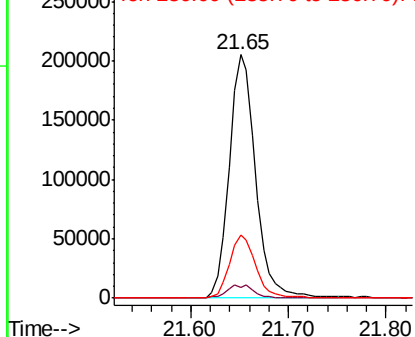


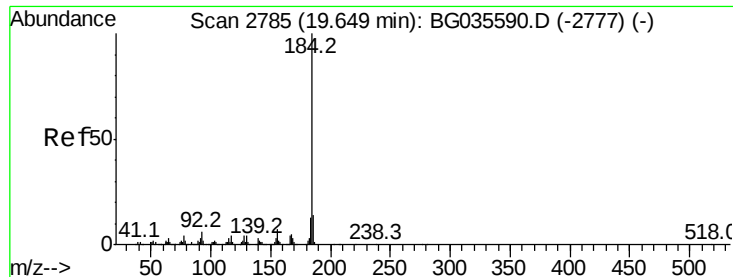
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036019.D
 Acq: 1 Aug 2018 2:34

Tgt Ion:240 Resp: 384119
 Ion Ratio Lower Upper
 240 100
 120 4.6 6.8 10.2#
 236 25.9 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: 3.024 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

Instrument :

BNA_G

ClientSampleId :

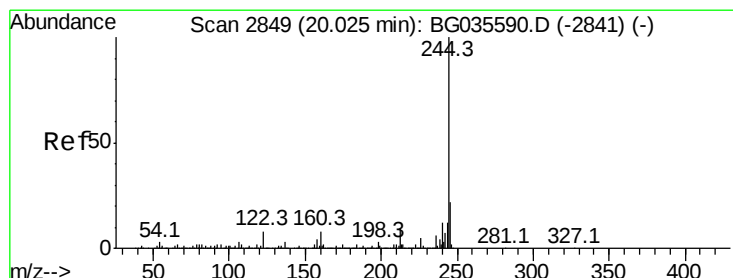
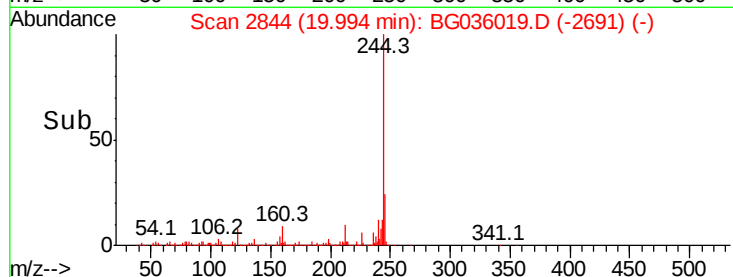
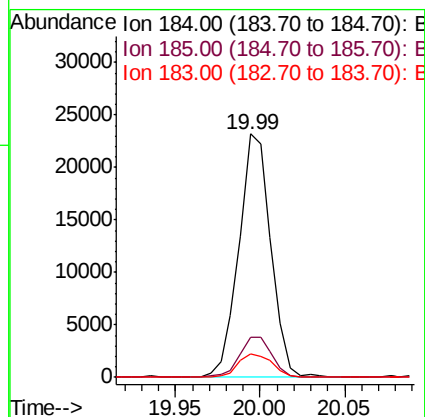
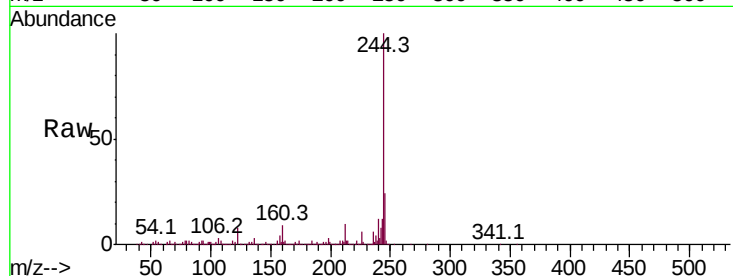
Tot Ion:184 Resp: 30535

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

183 9.7 10.6 16.0#



#78

Terphenyl-d14

Concen: 99.500 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG036019.D

Acq: 1 Aug 2018 2:34

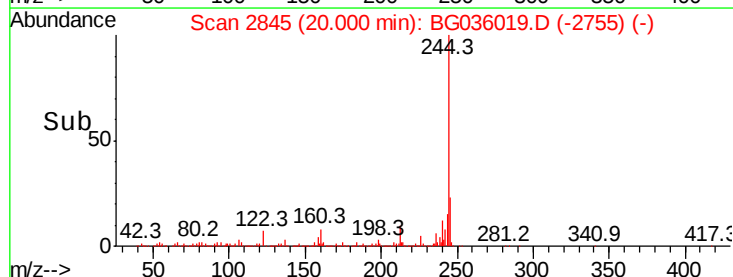
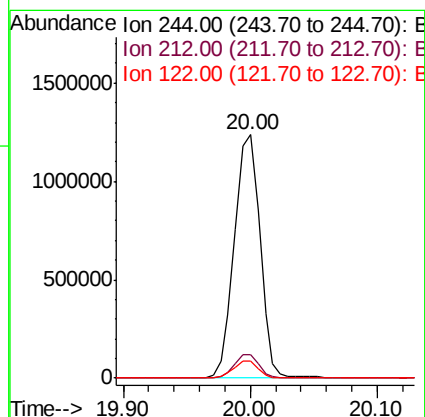
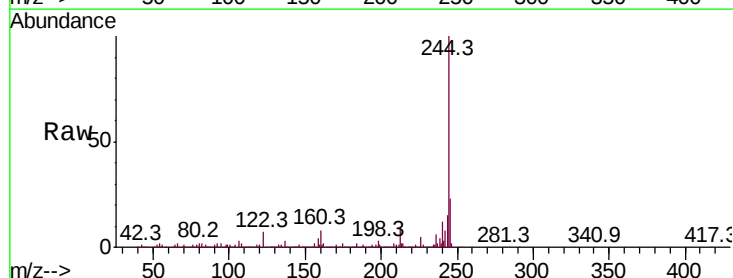
Tgt Ion:244 Resp: 1733874

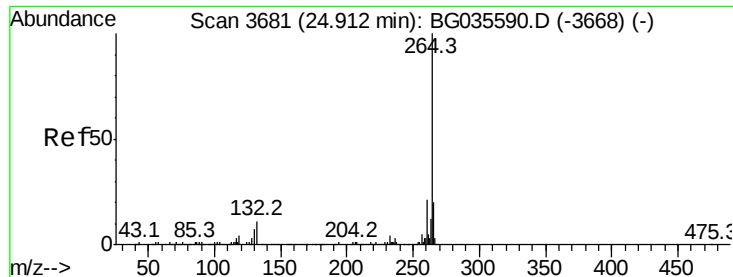
Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

122 7.1 7.0 10.4

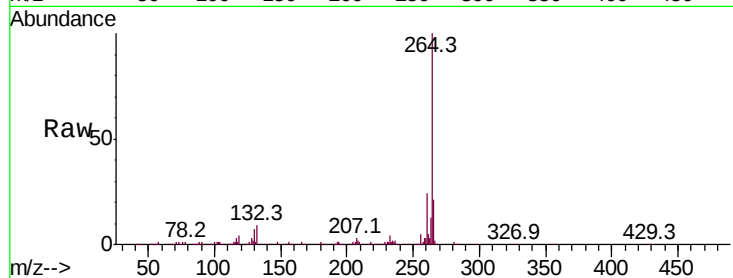




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BG036019.D
 Acq: 1 Aug 2018 2:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	20.9	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

