

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081018\
 Data File : BG036274.D
 Acq On : 10 Aug 2018 19:23
 Operator : JU/SJ
 Sample : J4379-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-102I

Quant Time: Aug 10 23:06:36 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

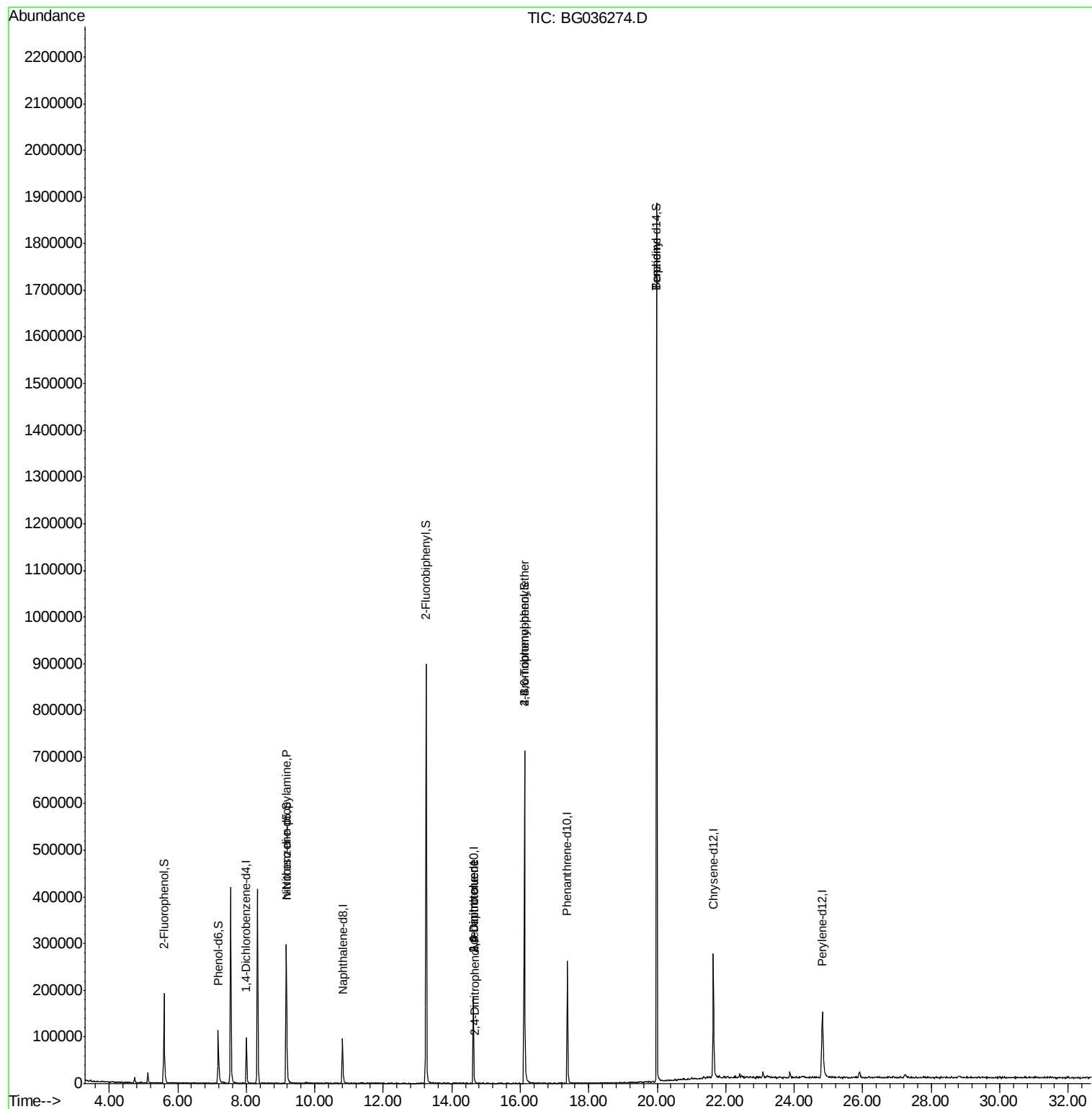
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	26816	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	93191	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	67319	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	182522	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	194639	20.00	ng	-0.02
86) Perylene-d12	24.82	264	182223	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	95039	58.84	ng	0.00
7) Phenol-d6	7.18	99	81186	33.69	ng	-0.01
23) Nitrobenzene-d5	9.17	82	221407	99.25	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	147250	165.95	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	511402	101.78	ng	-0.02
78) Terphenyl-d14	19.98	244	921066	104.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	30965	15.259	ng	# 66
50) 2,6-Dinitrotoluene	14.63	165	9336	7.773	ng	# 18
53) 2,4-Dinitrophenol	14.67	184	54	6.662	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	9336	5.418	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	11380	5.374	ng	# 1
76) Benzidine	19.98	184	15573	3.043	ng	# 90

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

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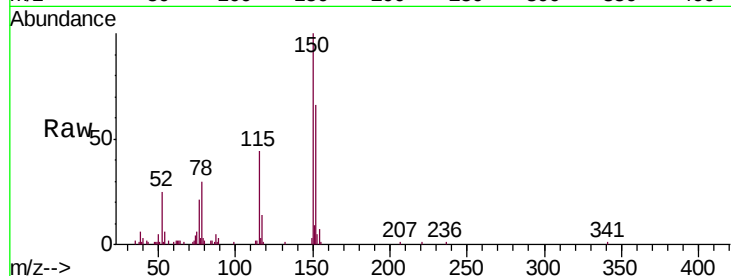


#1

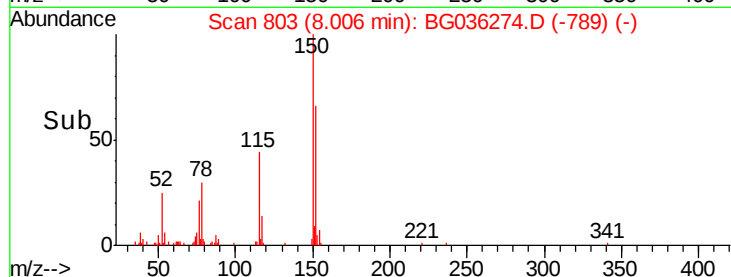
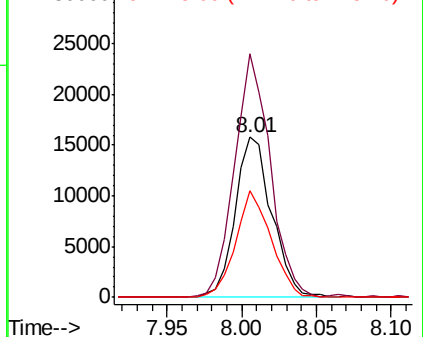
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036274.D
Acq: 10 Aug 2018 19:23

Instrument :
BNA_G
ClientSampleId :
MW-102I

Tgt Ion:152 Resp: 26816
Ion Ratio Lower Upper
152 100
150 152.4 126.6 189.8
115 66.8 53.0 79.4



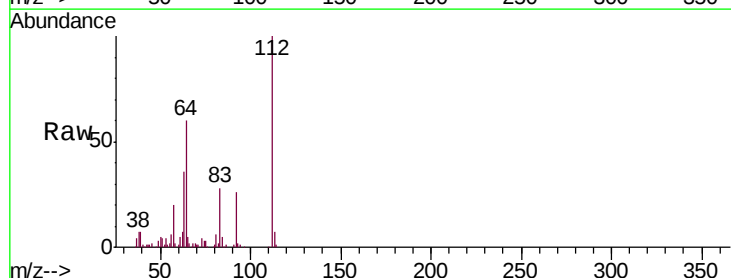
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



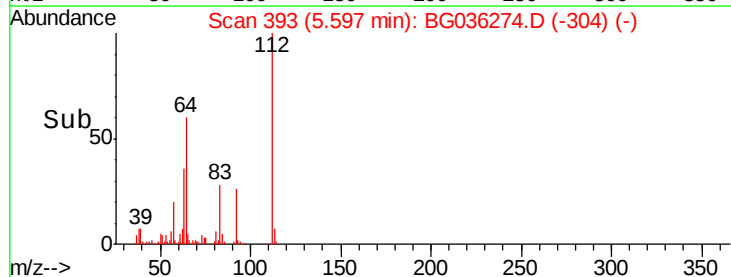
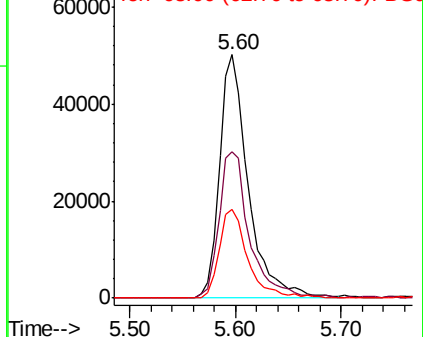
#5

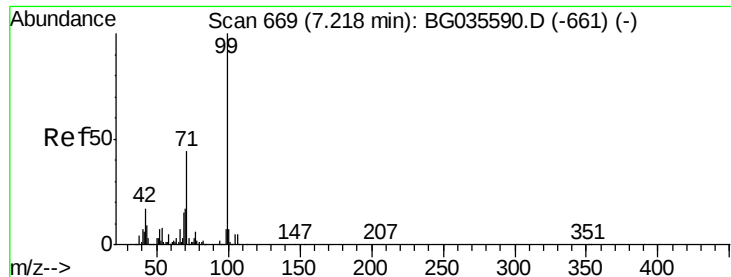
2-Fluorophenol
Concen: 58.841 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036274.D
Acq: 10 Aug 2018 19:23

Tgt Ion:112 Resp: 95039
Ion Ratio Lower Upper
112 100
64 60.3 56.3 84.5
63 36.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 33.689 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Instrument :

BNA_G

ClientSampleId :

MW-102I

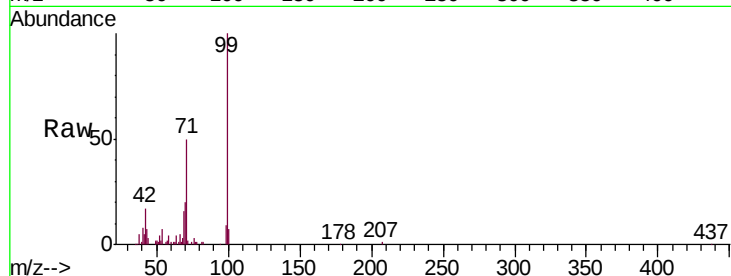
Tgt Ion: 99 Resp: 81186

Ion Ratio Lower Upper

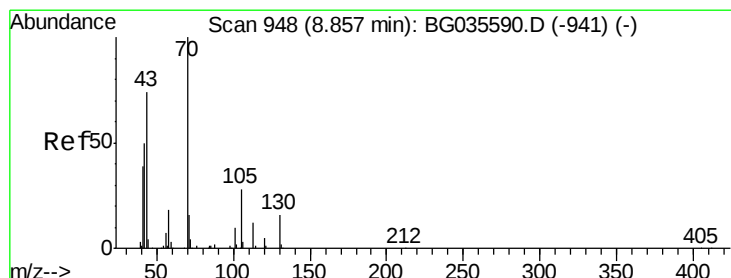
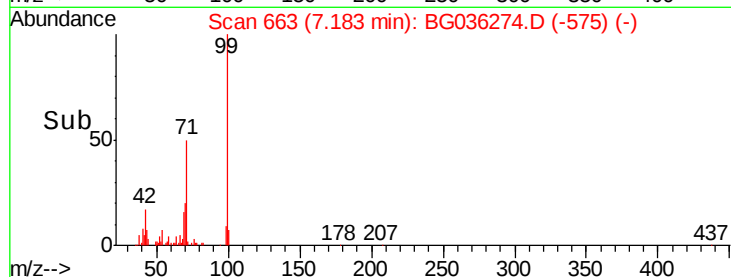
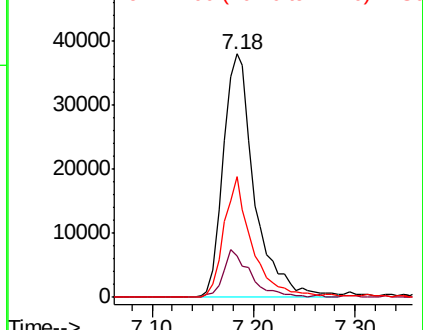
99 100

42 17.2 14.1 21.1

71 49.8 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: 15.259 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.35 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Tgt Ion: 70 Resp: 30965

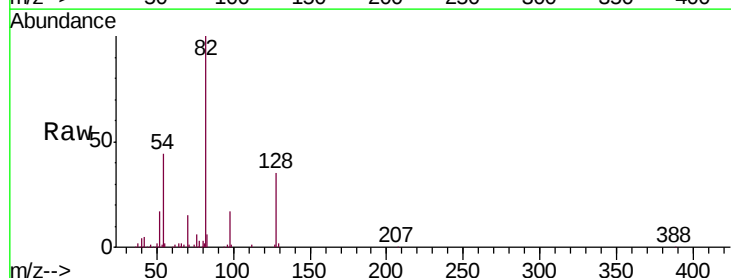
Ion Ratio Lower Upper

70 100

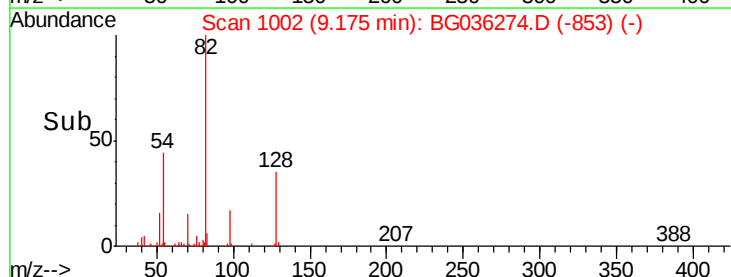
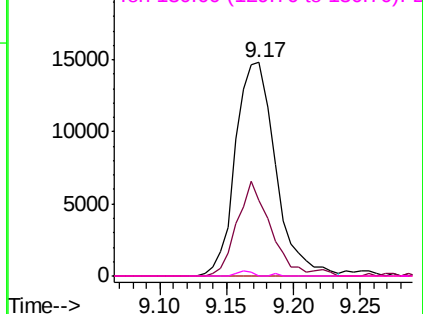
42 35.7 49.1 73.7#

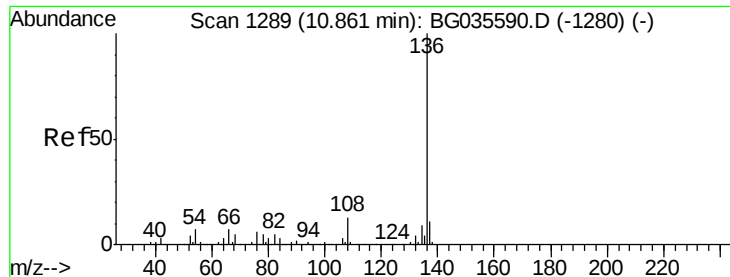
101 0.0 8.5 12.7#

130 0.0 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

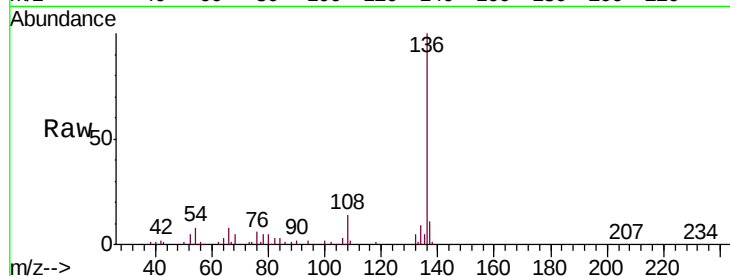




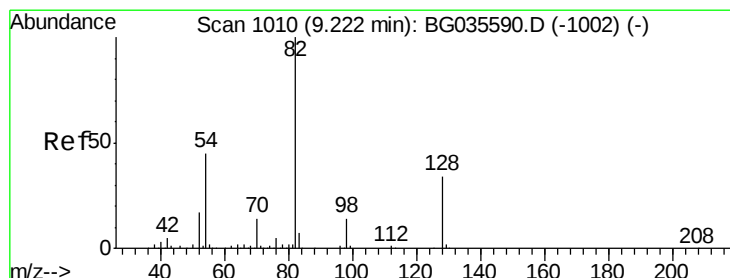
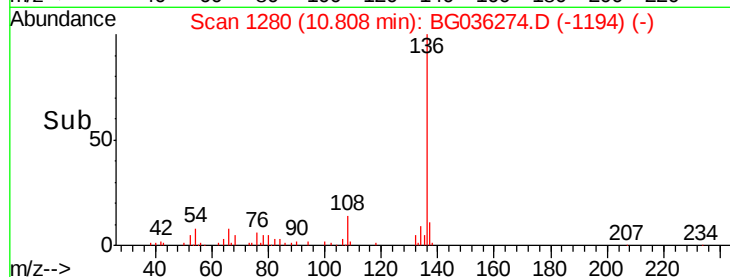
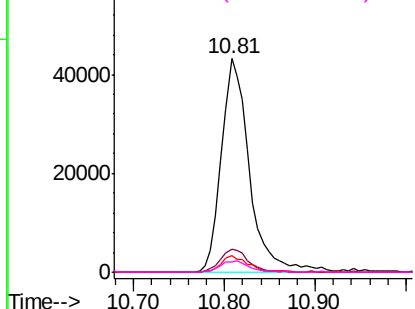
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036274.D
Acq: 10 Aug 2018 19:23

Instrument :
BNA_G
ClientSampleId :
MW-102I

Tgt Ion:	136	Resp:	93191
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.7	10.3	15.5#
68	4.8	4.5	6.7

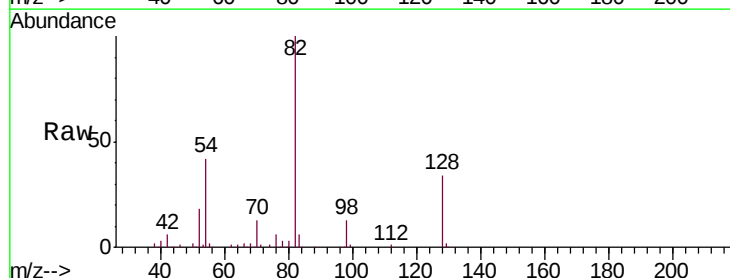


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

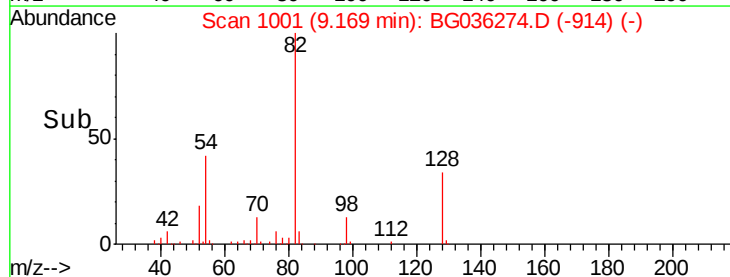
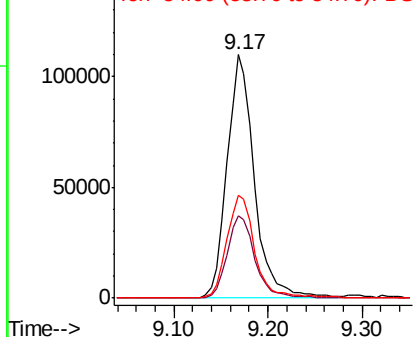


#23
Nitrobenzene-d5
Concen: 99.250 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036274.D
Acq: 10 Aug 2018 19:23

Tgt Ion:	82	Resp:	221407
Ion	Ratio	Lower	Upper
82	100		
128	33.8	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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Instrument :

BNA_G

ClientSampleId :

MW-102I

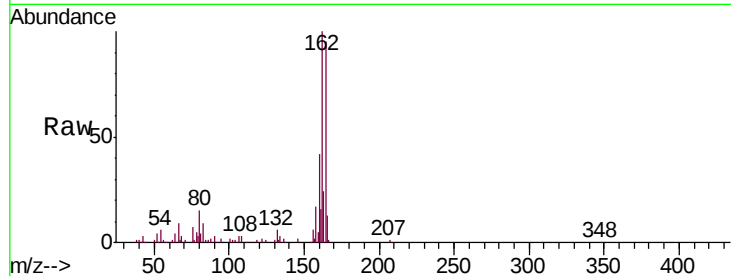
Tgt Ion:164 Resp: 67319

Ion Ratio Lower Upper

164 100

162 104.8 78.8 118.2

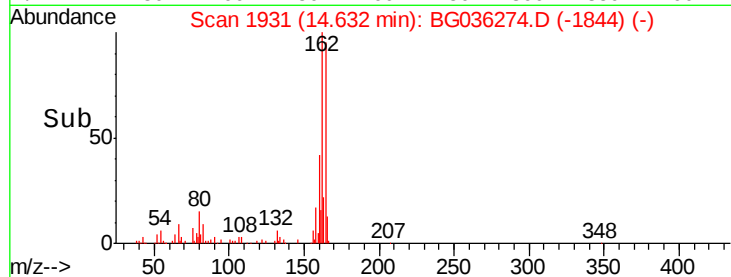
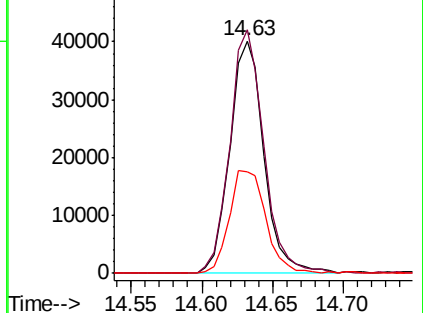
160 43.8 35.4 53.0



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: 165.951 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

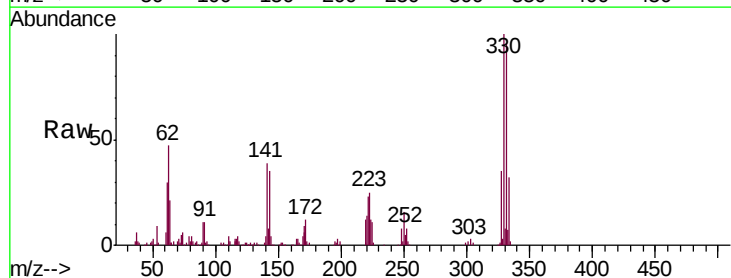
Tgt Ion:330 Resp: 147250

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

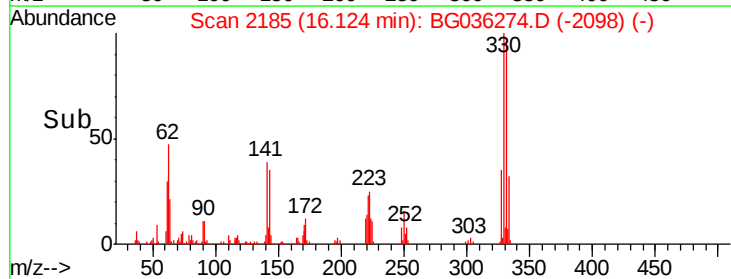
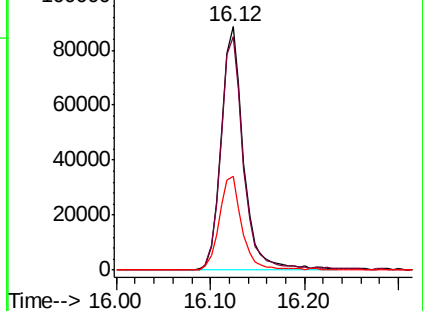
141 39.0 25.2 37.8#

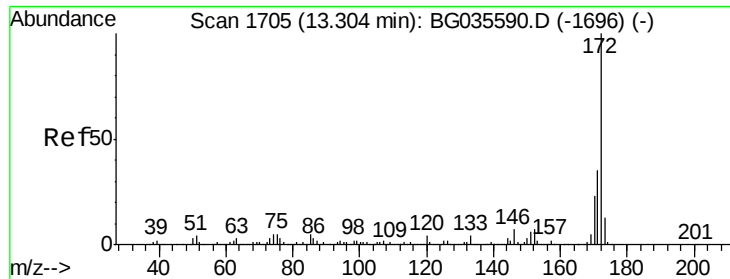


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

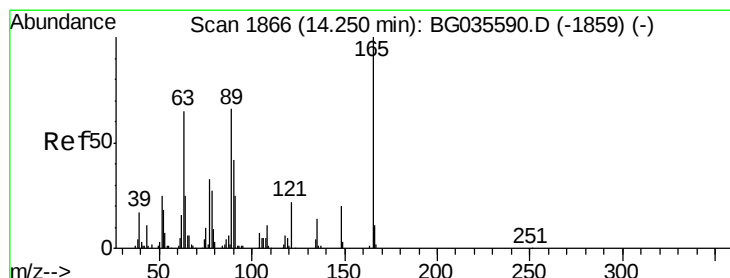
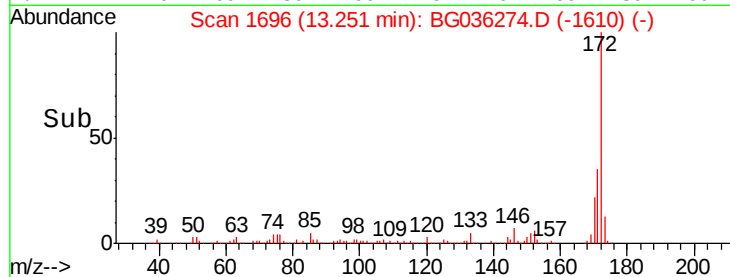
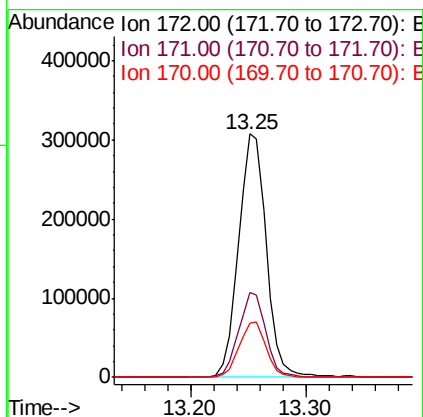
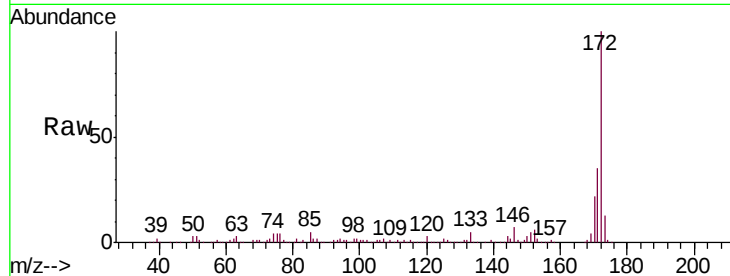




#44
 2-Fluorobiphenyl
 Concen: 101.776 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036274.D
 Acq: 10 Aug 2018 19:23

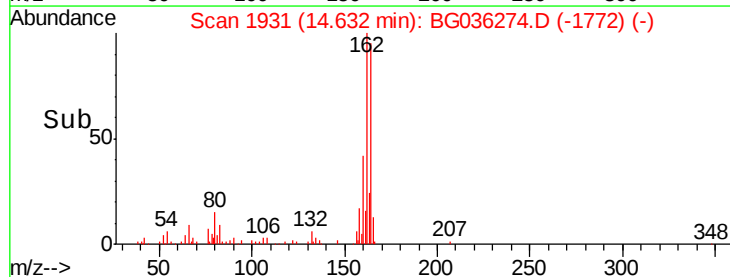
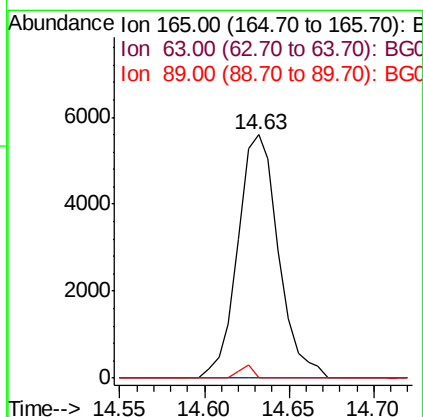
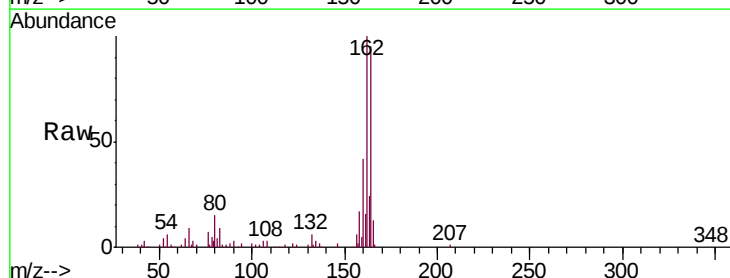
Instrument :
 BNA_G
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 MW-102I

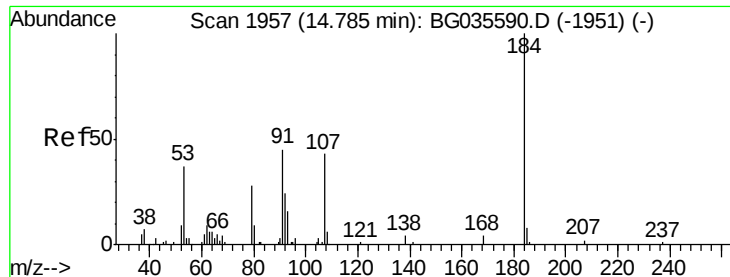
Tgt Ion:172 Resp: 511402
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.0 45.0
 170 22.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.773 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036274.D
 Acq: 10 Aug 2018 19:23

Tgt Ion:165 Resp: 9336
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.662 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.09 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Instrument :

BNA_G

ClientSampleId :

MW-102I

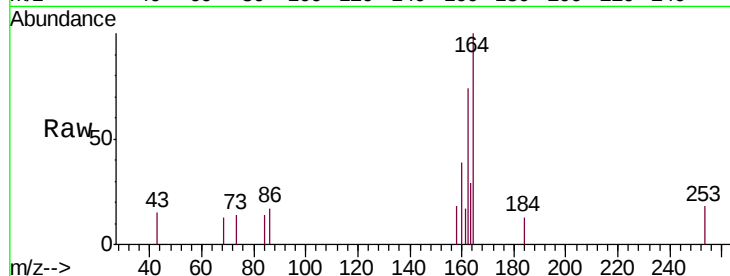
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#

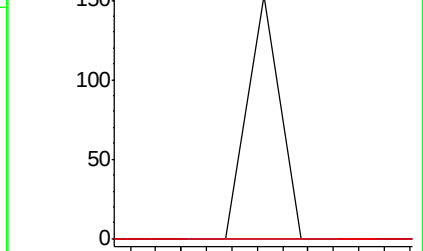


Abundance Ion 184.00 (183.70 to 184.70): E

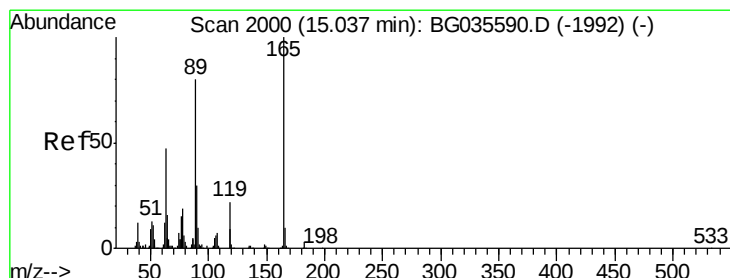
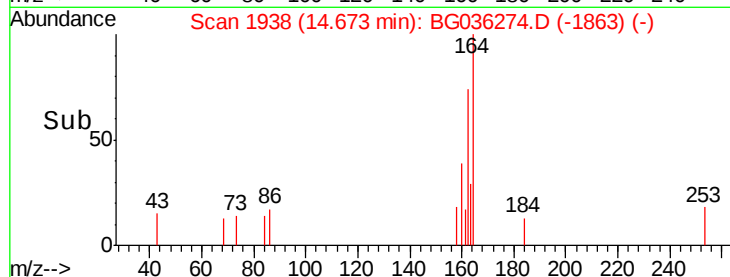
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.67



Time--> 14.66 14.68



#56

2,4-Dinitrotoluene

Concen: 5.418 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.38 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Tgt Ion:165 Resp: 9336

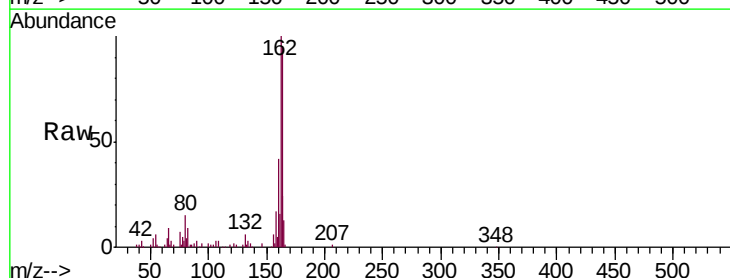
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



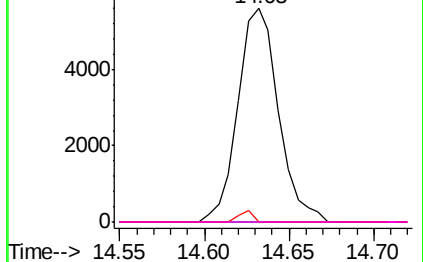
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

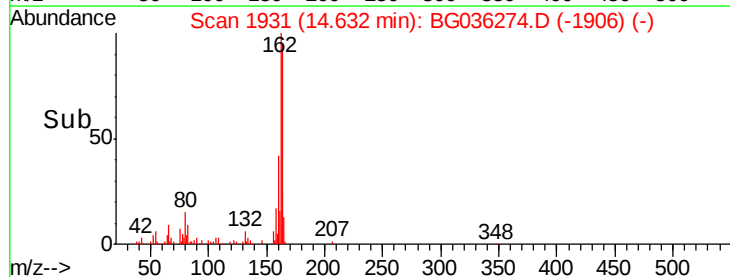
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.63



Time--> 14.55 14.60 14.65 14.70





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

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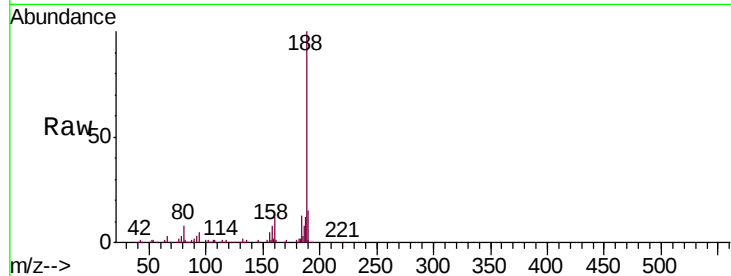
Tgt Ion:188 Resp: 182522

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

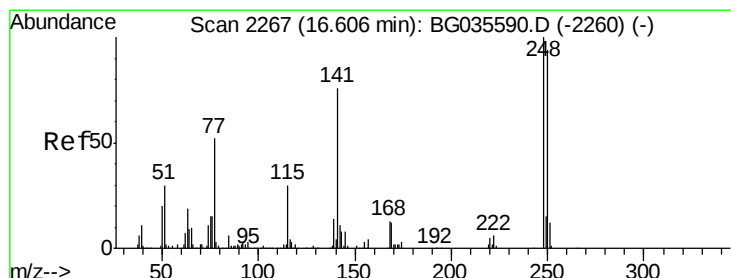
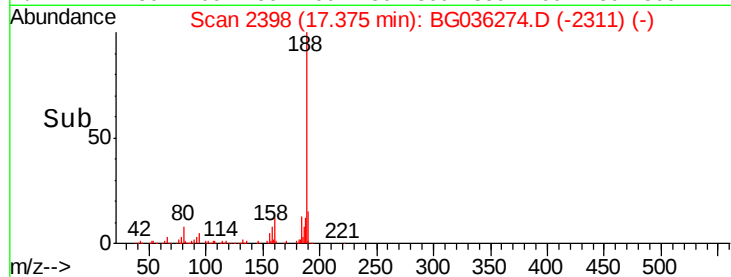
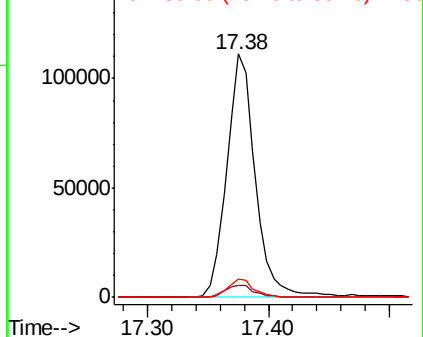
80 7.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.374 ng

RT: 16.12 min Scan# 2184

Delta R.T. -0.47 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

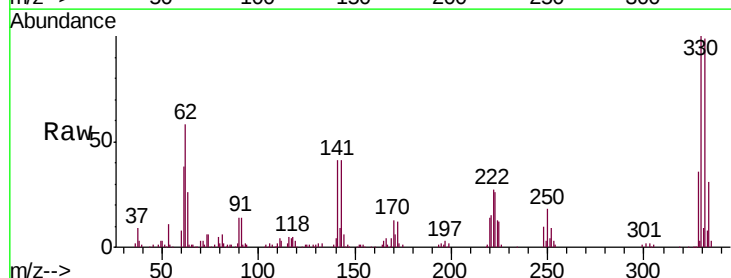
Tgt Ion:248 Resp: 11380

Ion Ratio Lower Upper

248 100

250 187.1 77.1 115.7#

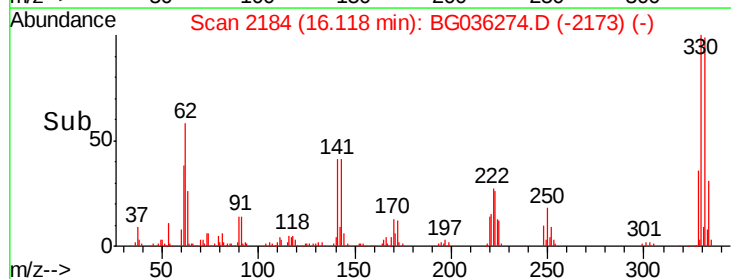
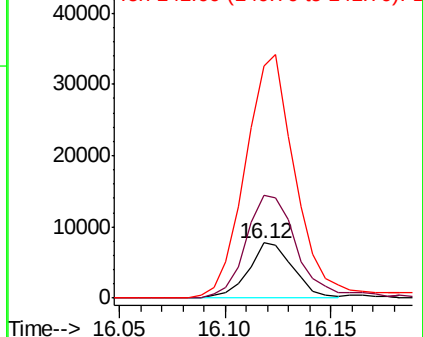
141 421.4 50.8 76.2#



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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Instrument :

BNA_G

ClientSampleId :

MW-102I

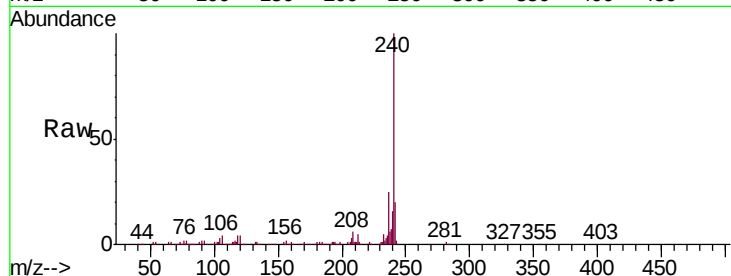
Tgt Ion:240 Resp: 194639

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

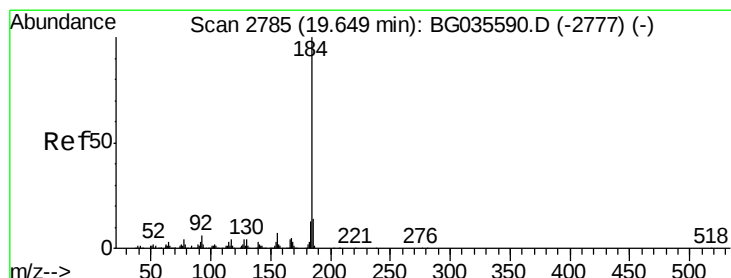
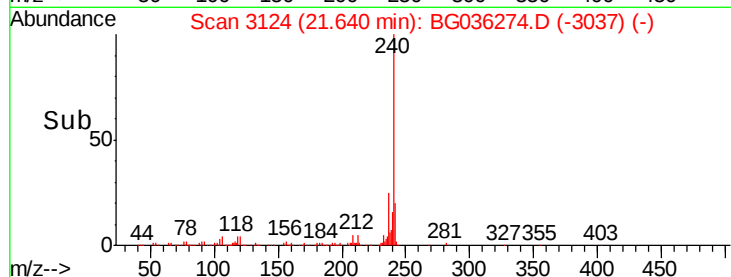
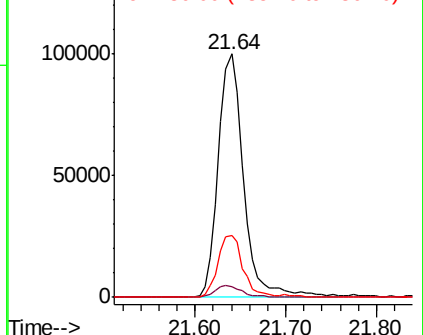
236 25.4 20.9 31.3



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: 3.043 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

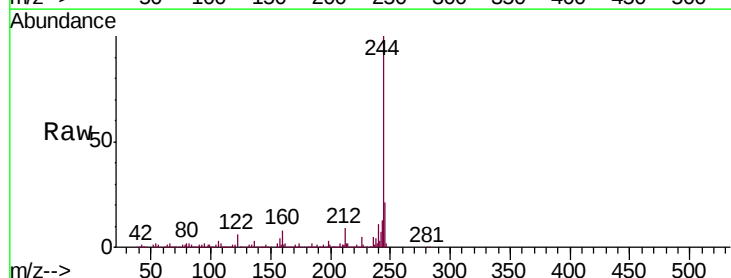
Tgt Ion:184 Resp: 15573

Ion Ratio Lower Upper

184 100

185 19.5 11.1 16.7#

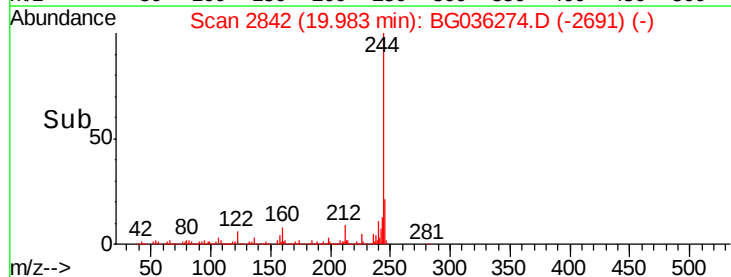
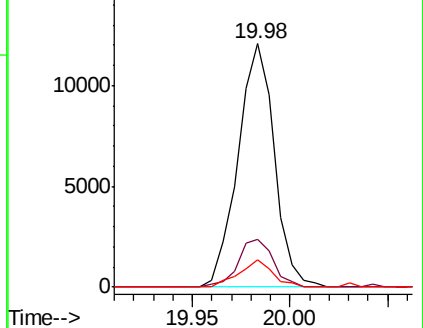
183 11.3 10.6 16.0

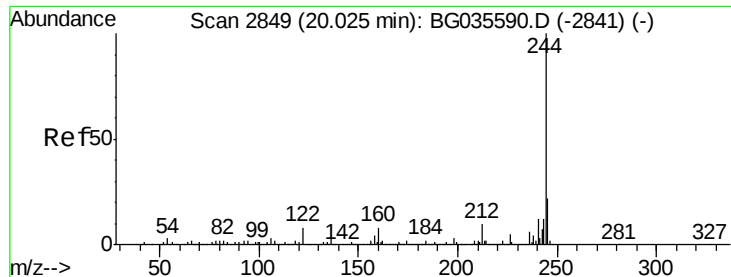


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.311 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

Instrument :

BNA_G

ClientSampleId :

MW-102I

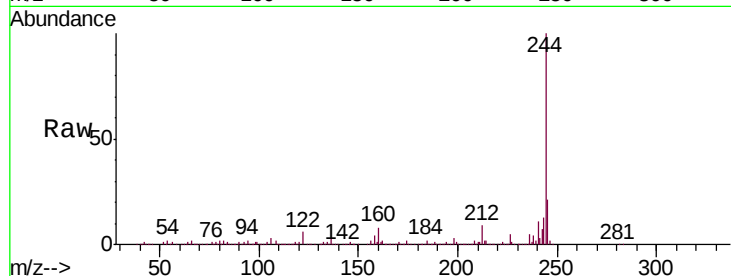
Tgt Ion:244 Resp: 921066

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

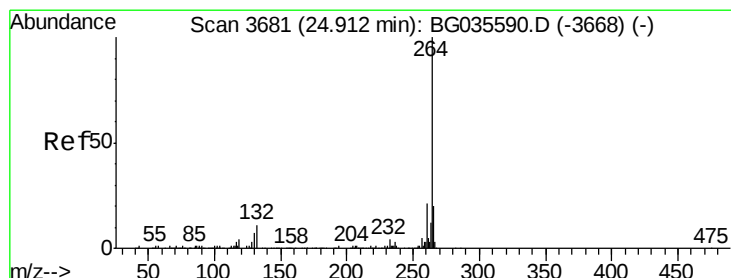
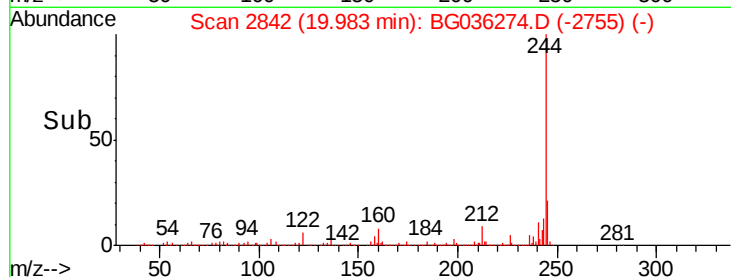
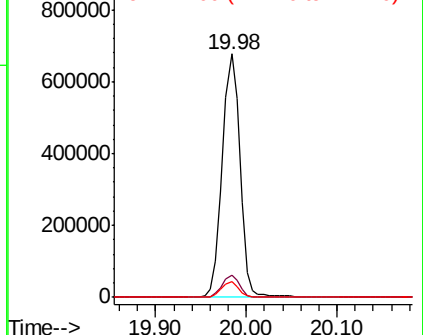
122 6.4 7.0 10.4#



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: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036274.D

Acq: 10 Aug 2018 19:23

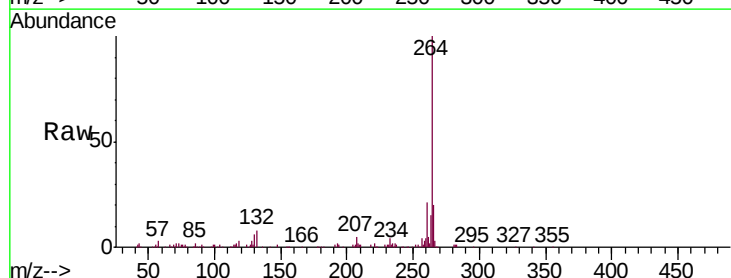
Tgt Ion:264 Resp: 182223

Ion Ratio Lower Upper

264 100

260 20.8 17.4 26.0

265 20.0 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

