

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035654.D
 Acq On : 14 Jul 2018 7:06
 Operator : JU/SJ
 Sample : J3921-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-071218-B

Quant Time: Jul 16 00:56:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

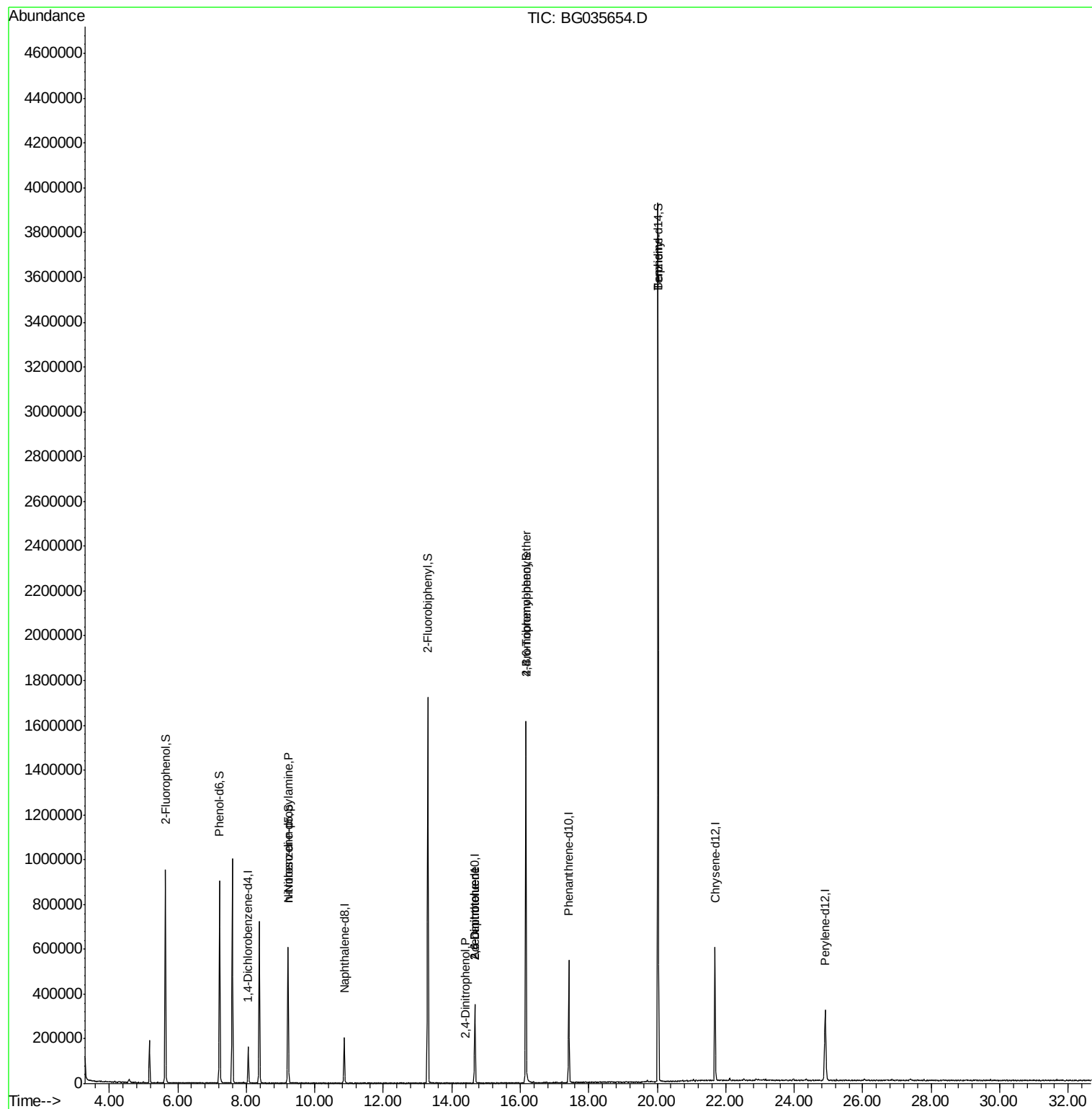
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	43565	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	167777	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	125533	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	351314	20.00	ng	0.00
75) Chrysene-d12	21.69	240	377968	20.00	ng	0.00
86) Perylene-d12	24.90	264	354405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	386678	147.36	ng	0.00
7) Phenol-d6	7.22	99	530916	135.61	ng	0.00
23) Nitrobenzene-d5	9.21	82	408520	101.72	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	293998	177.68	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	929852	99.24	ng	0.00
78) Terphenyl-d14	20.02	244	1755588	102.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56731	17.208	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	17914	7.998	ng	# 20
53) 2,4-Dinitrophenol	14.41	184	70	6.638	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	17914	5.575	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	24066	5.905	ng	# 1
76) Benzidine	20.02	184	34317	3.454	ng	# 88

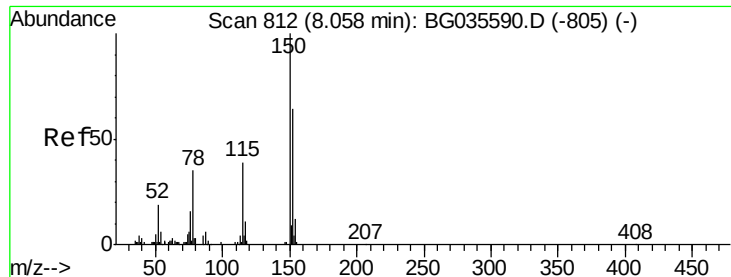
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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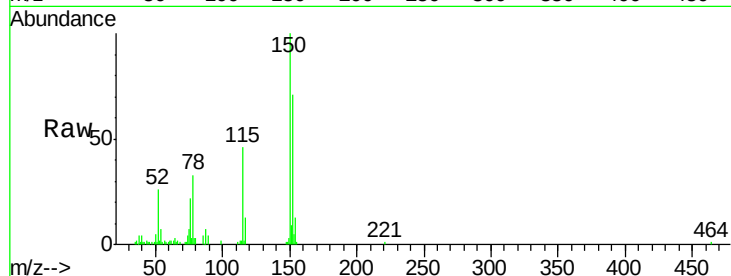


#1

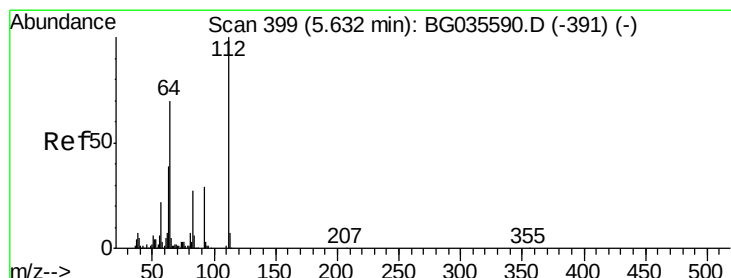
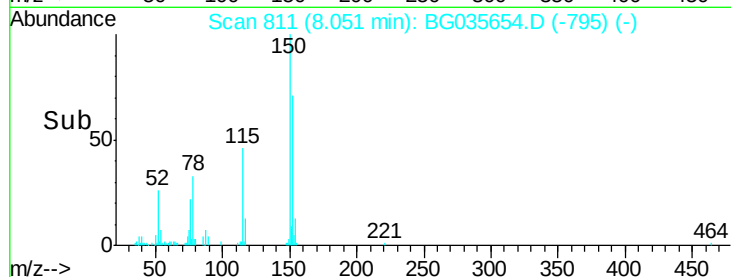
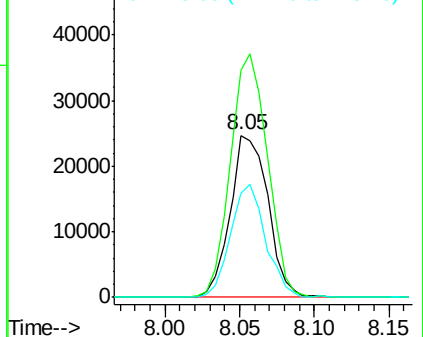
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Instrument :
BNA_G
ClientSampleId :
HR-05-071218-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.2	126.6	189.8
115	64.4	53.0	79.4



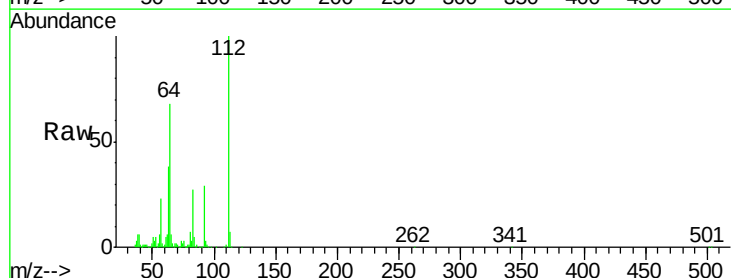
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



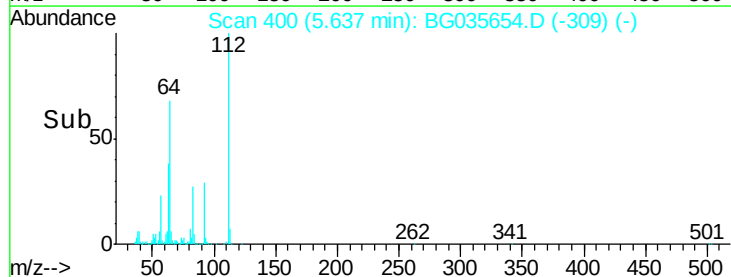
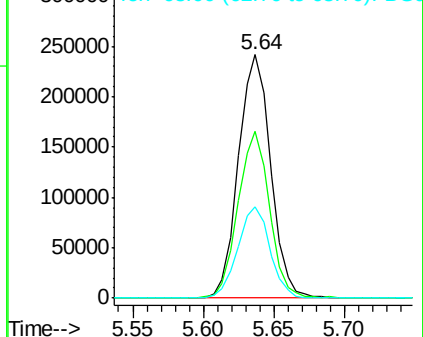
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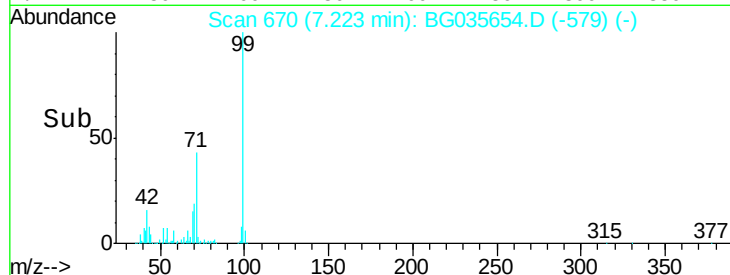
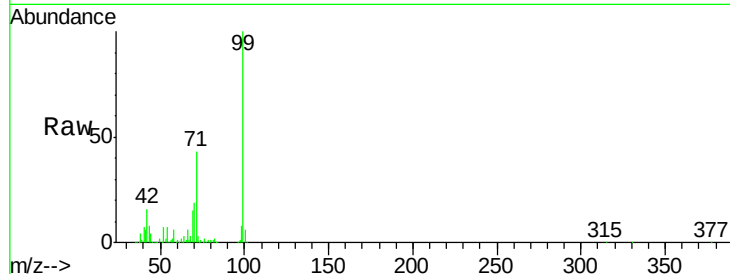
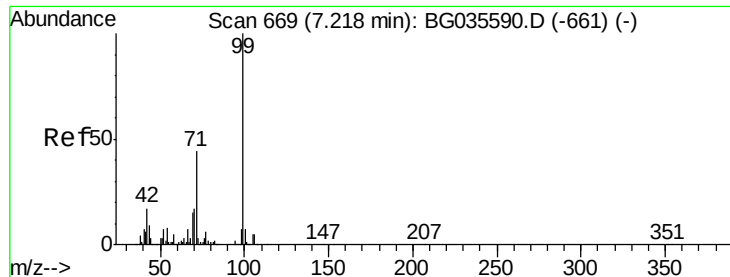
2-Fluorophenol
Concen: 147.361 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	56.3	84.5
63	37.5	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: 135.610 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

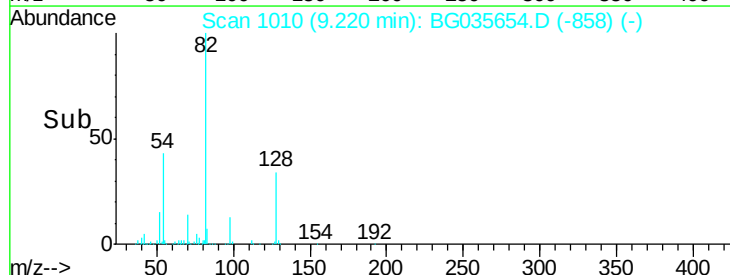
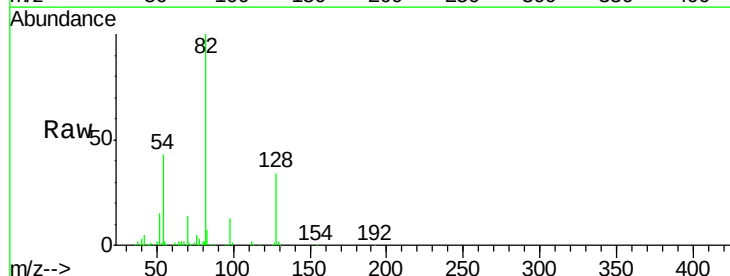
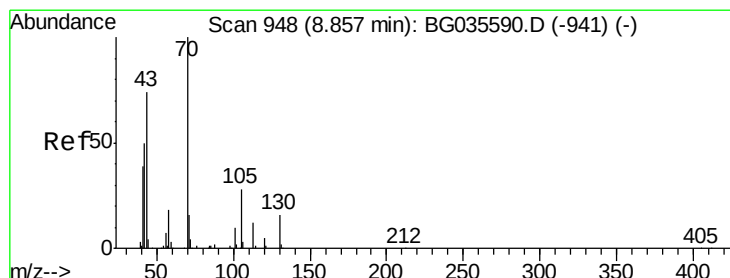
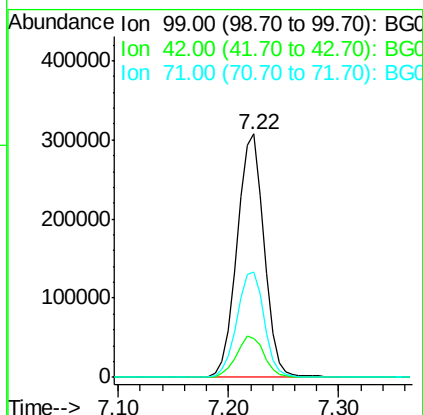
Tgt Ion: 99 Resp: 530916

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

71 43.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.208 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Tgt Ion: 70 Resp: 56731

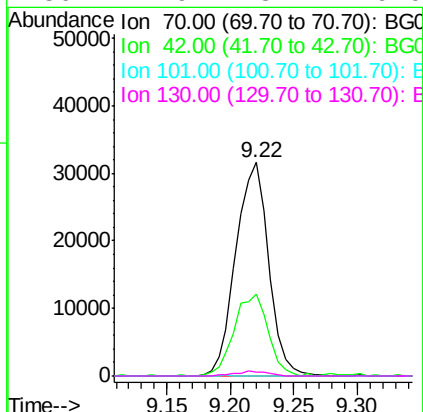
Ion Ratio Lower Upper

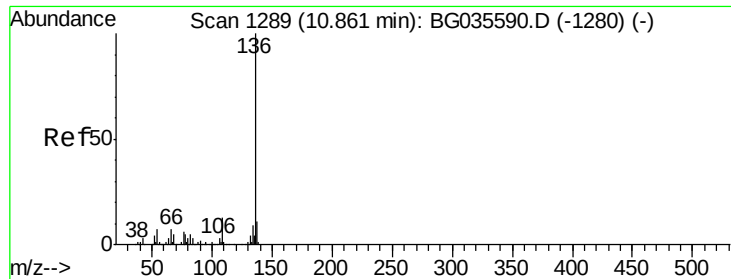
70 100

42 38.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

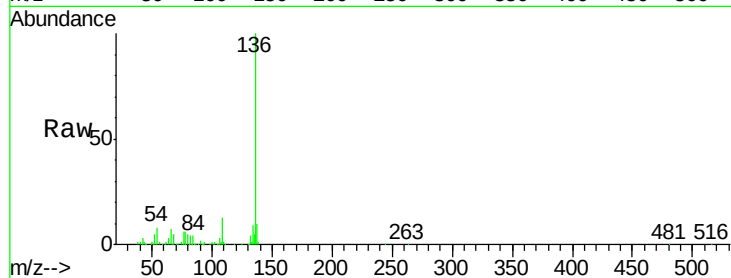




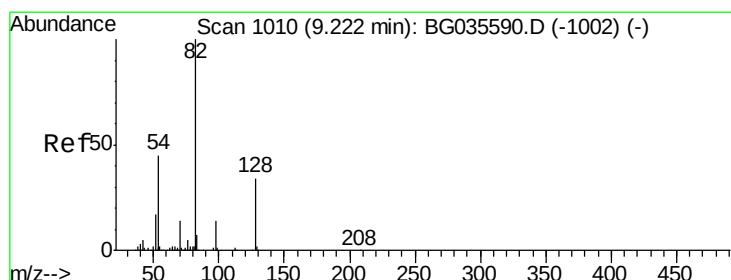
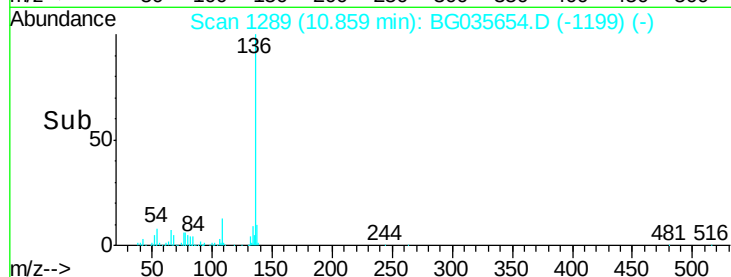
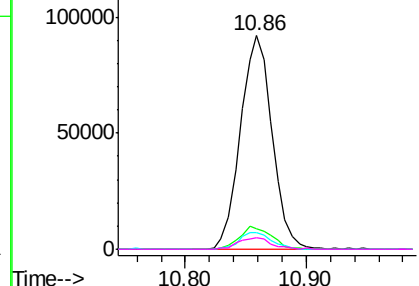
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Instrument :
BNA_G
ClientSampleId :
HR-05-071218-B

Tgt Ion:	136	Resp:	167777
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	8.1	10.3	15.5#
68	5.4	4.5	6.7

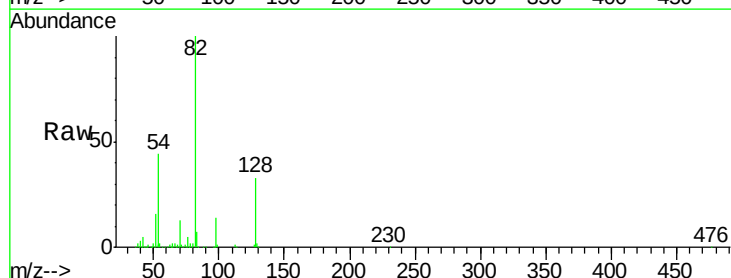


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

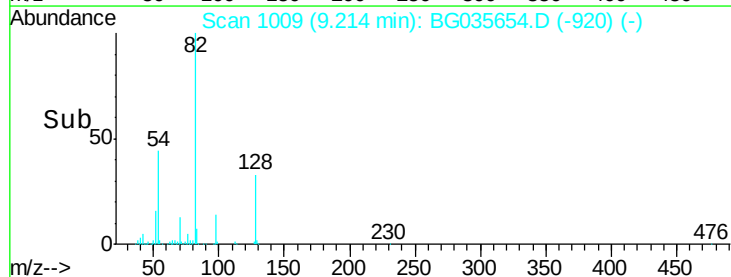
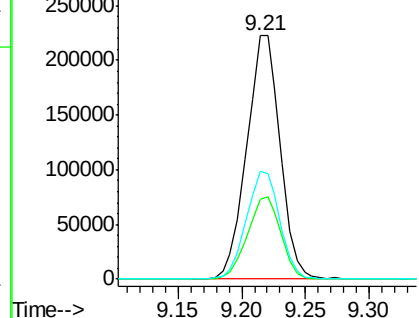


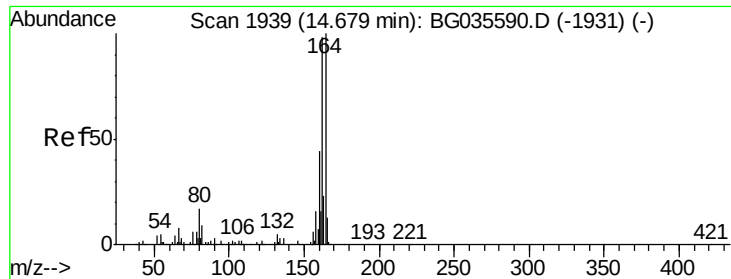
#23
Nitrobenzene-d5
Concen: 101.717 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035654.D
Acq: 14 Jul 2018 7:06

Tgt Ion:	82	Resp:	408520
Ion	Ratio	Lower	Upper
82	100		
128	32.5	29.7	44.5
54	44.3	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

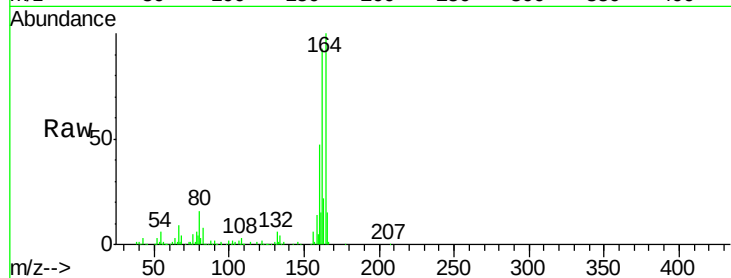
Tgt Ion:164 Resp: 125533

Ion Ratio Lower Upper

164 100

162 93.4 78.8 118.2

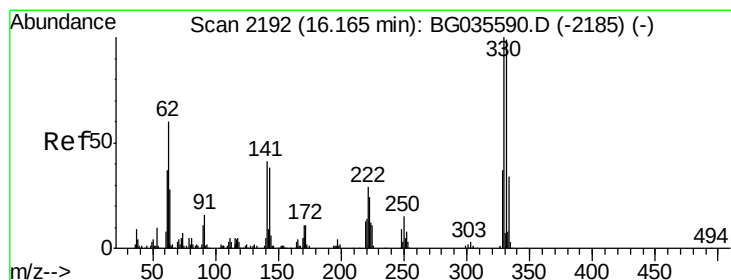
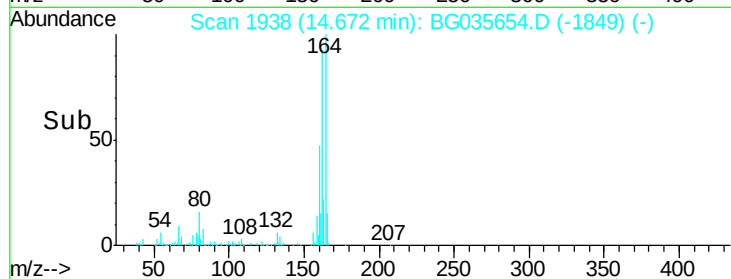
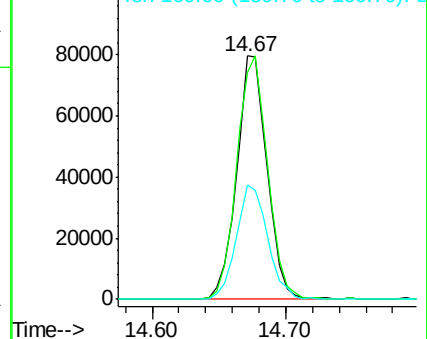
160 47.2 35.4 53.0



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: 177.685 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

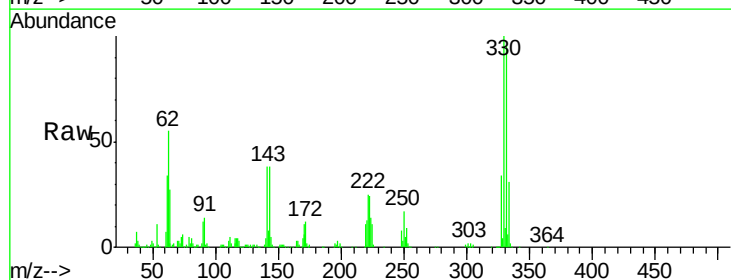
Tgt Ion:330 Resp: 293998

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

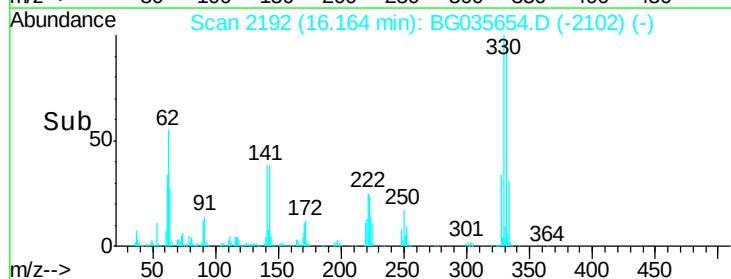
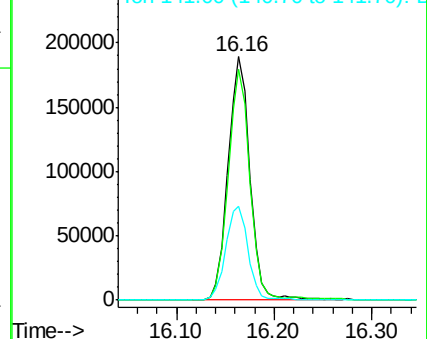
141 39.2 25.2 37.8#

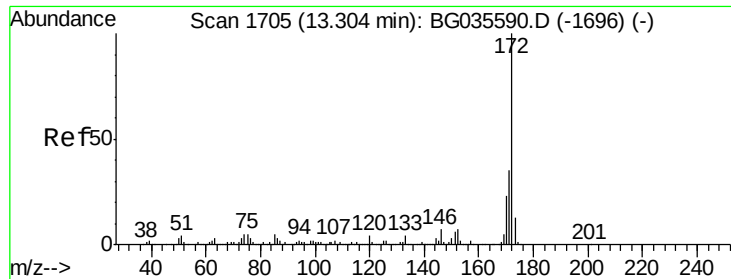


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

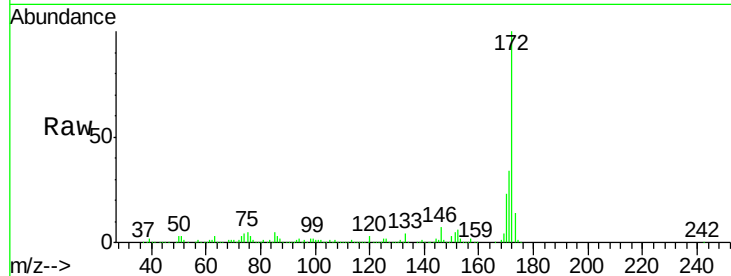




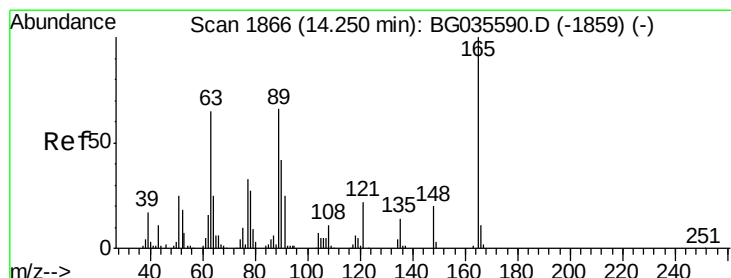
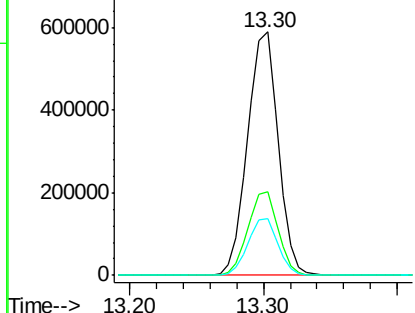
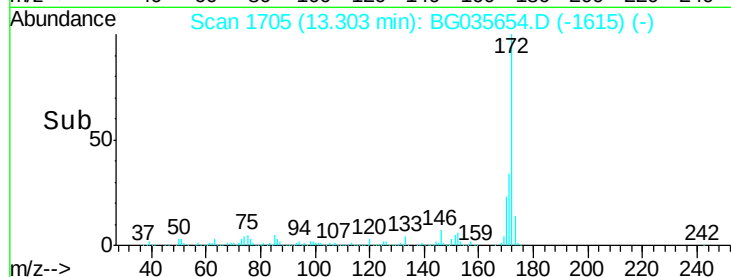
#44
 2-Fluorobiphenyl
 Concen: 99.238 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG035654.D
 Acq: 14 Jul 2018 7:06

Instrument :
 BNA_G
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 HR-05-071218-B

Tgt Ion:172 Resp: 929852
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.0 45.0
 170 23.5 19.5 29.3

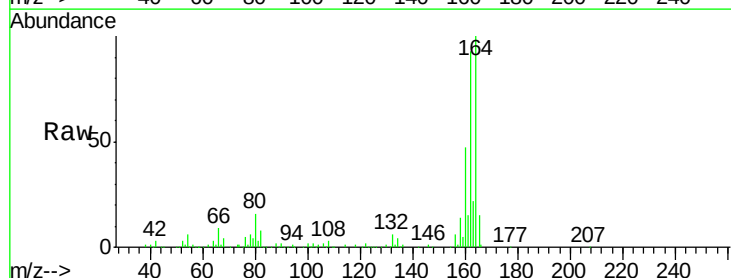


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

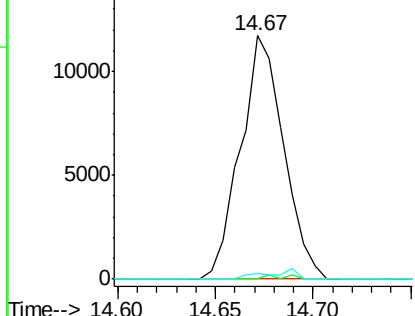
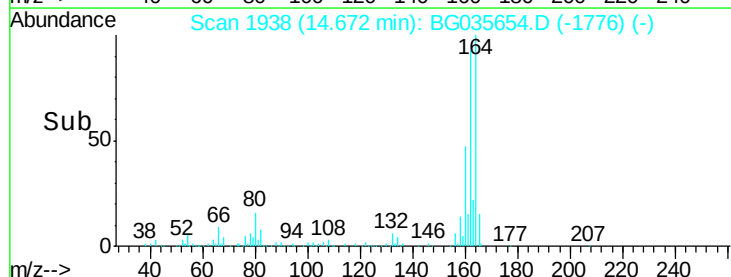


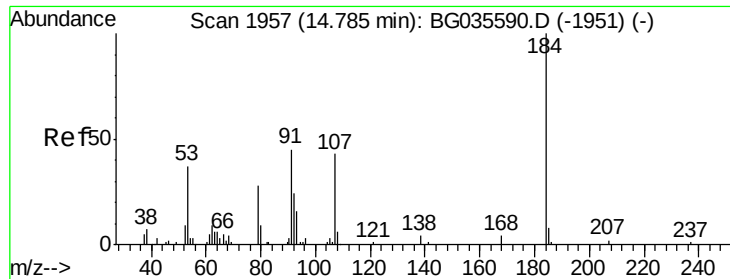
#50
 2,6-Dinitrotoluene
 Concen: 7.998 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035654.D
 Acq: 14 Jul 2018 7:06

Tgt Ion:165 Resp: 17914
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.2 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





#53

2,4-Dinitrophenol

Concen: 6.638 ng

RT: 14.41 min Scan# 1893

Delta R.T. -0.38 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

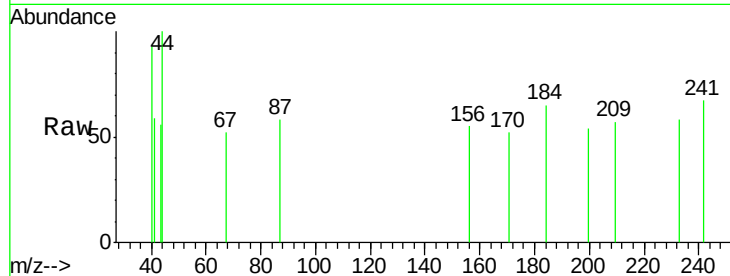
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#

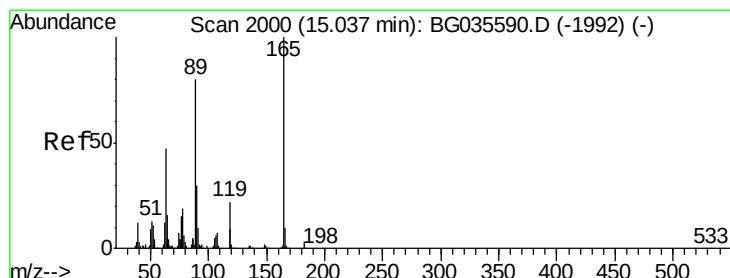
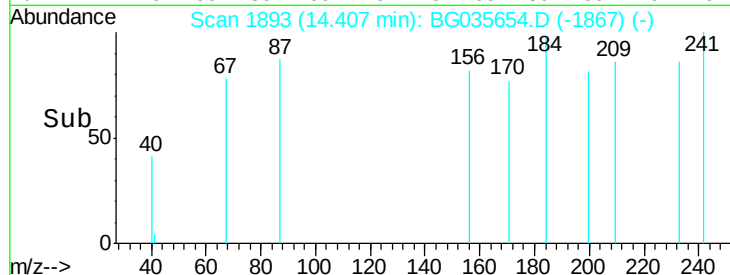
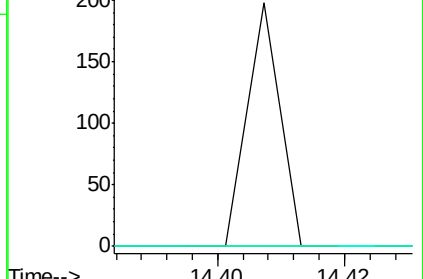


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.41



#56

2,4-Dinitrotoluene

Concen: 5.575 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.37 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Tgt Ion:165 Resp: 17914

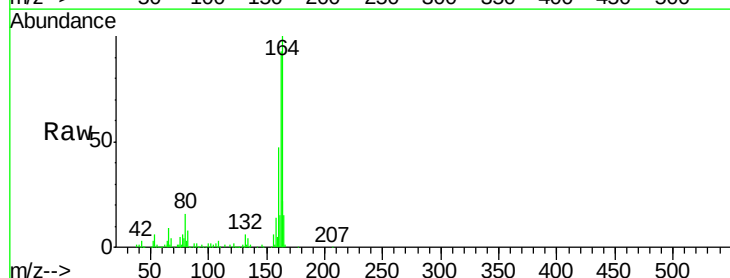
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#



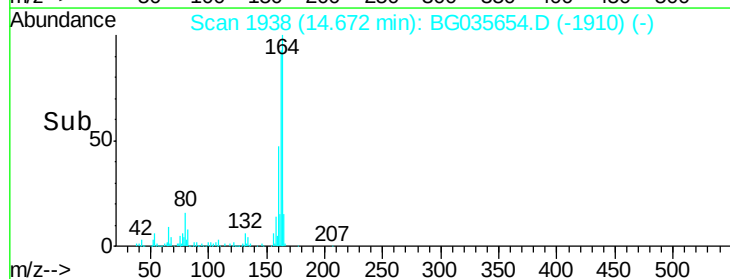
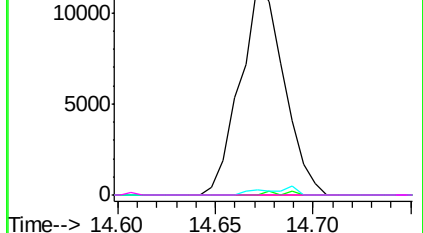
Abundance Ion 165.00 (164.70 to 165.70): E

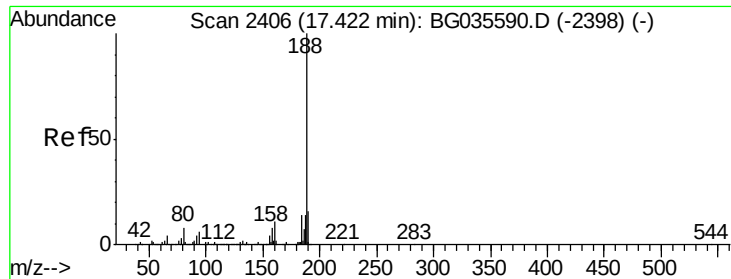
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.67





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

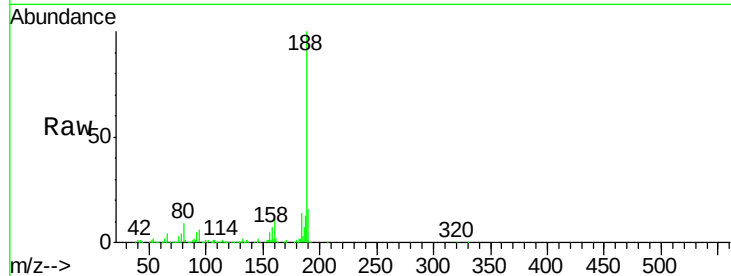
Tgt Ion:188 Resp: 351314

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

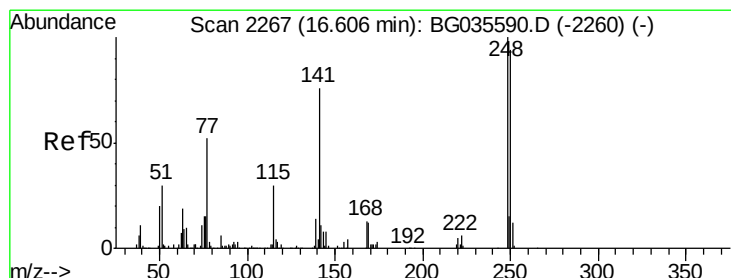
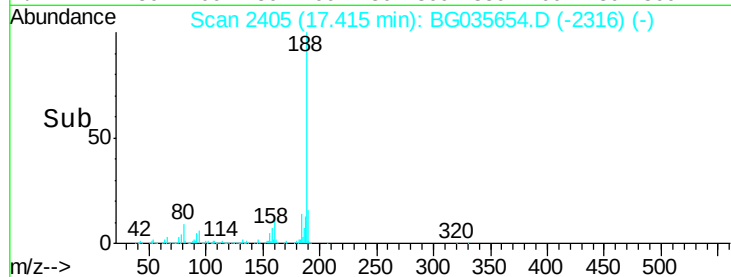
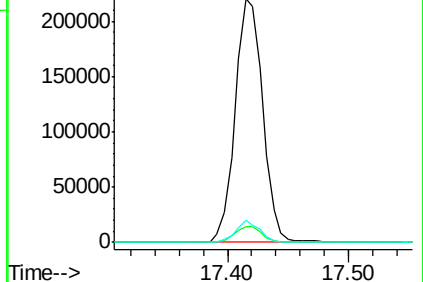
80 9.0 7.7 11.5



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: 5.905 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.44 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

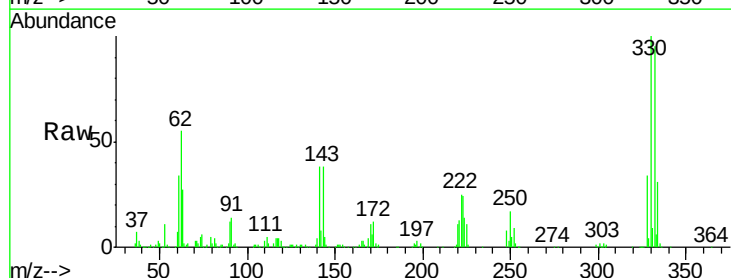
Tgt Ion:248 Resp: 24066

Ion Ratio Lower Upper

248 100

250 225.2 77.1 115.7#

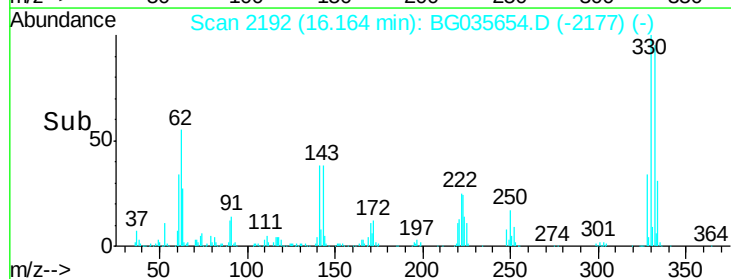
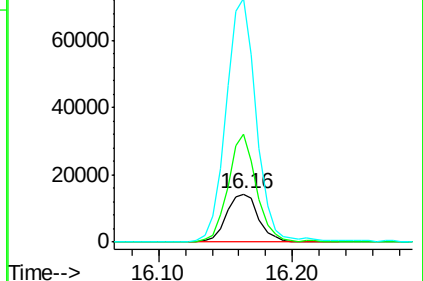
141 505.6 50.8 76.2#

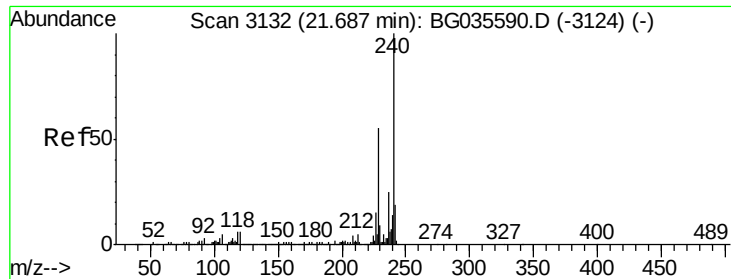


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

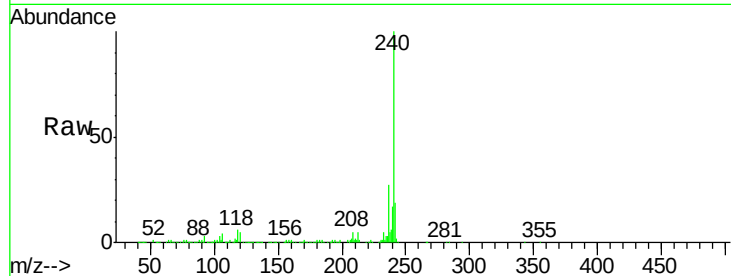
Tgt Ion:240 Resp: 377968

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

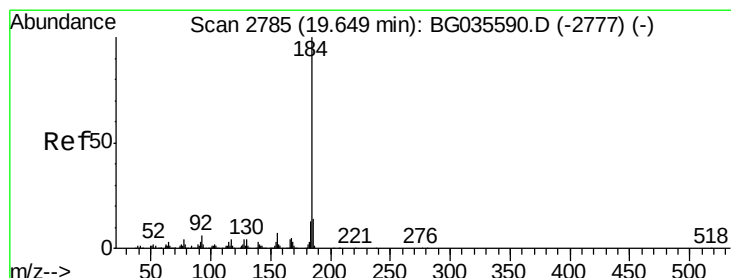
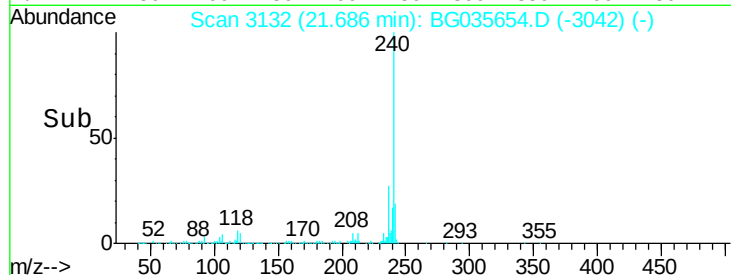
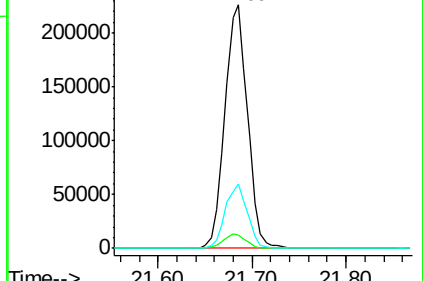
236 26.5 20.9 31.3



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: 3.454 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.37 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

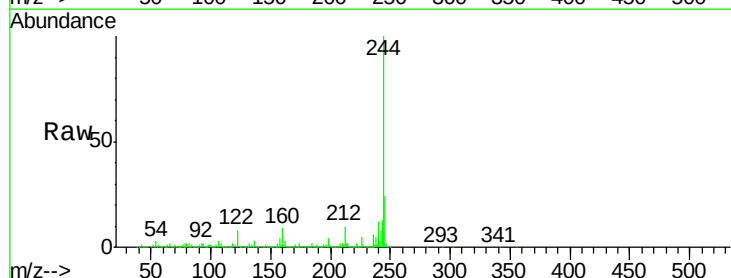
Tgt Ion:184 Resp: 34317

Ion Ratio Lower Upper

184 100

185 18.8 11.1 16.7#

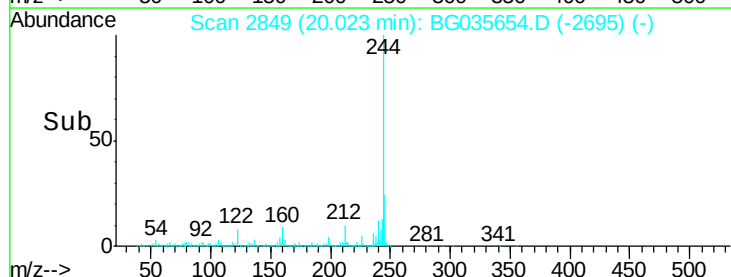
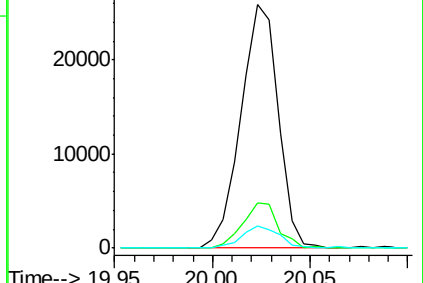
183 8.9 10.6 16.0#

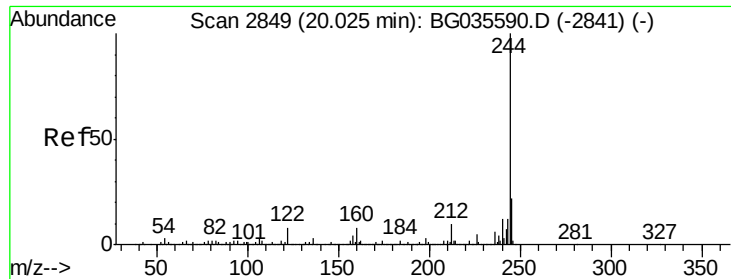


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.385 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

Instrument :

BNA_G

ClientSampleId :

HR-05-071218-B

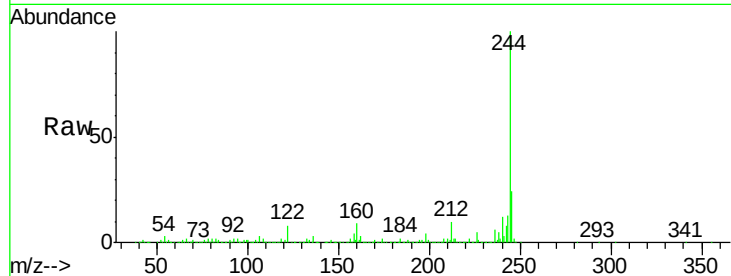
Tgt Ion:244 Resp: 1755588

Ion Ratio Lower Upper

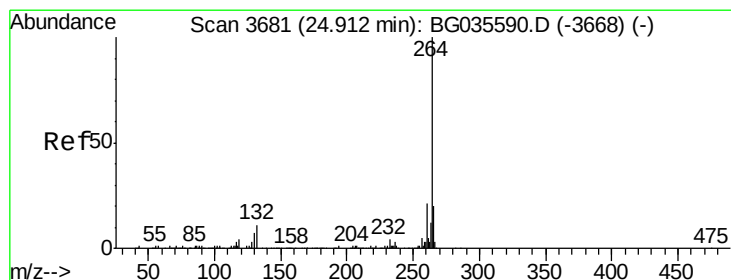
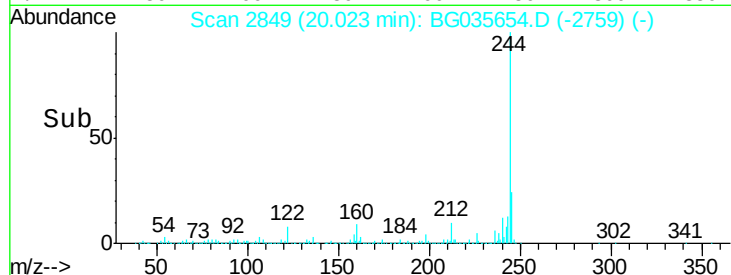
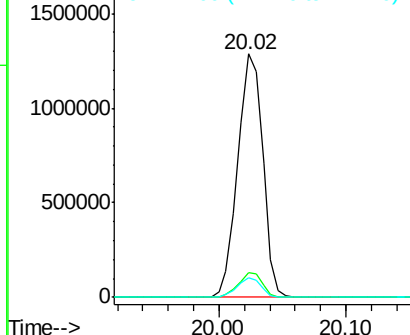
244 100

212 10.3 5.8 8.8#

122 8.0 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: 24.90 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035654.D

Acq: 14 Jul 2018 7:06

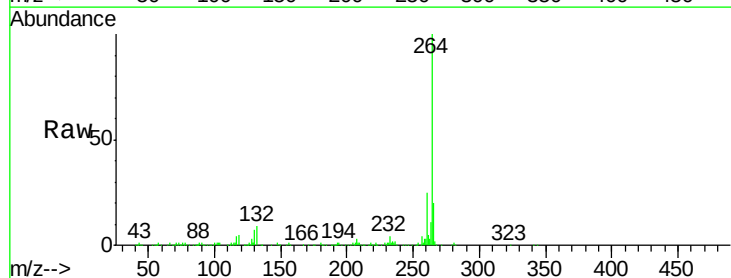
Tgt Ion:264 Resp: 354405

Ion Ratio Lower Upper

264 100

260 24.8 17.4 26.0

265 20.3 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

