

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072518\
 Data File : BG035907.D
 Acq On : 26 Jul 2018 13:21
 Operator : JU/SJ
 Sample : J3821-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-C

Quant Time: Jul 26 14:13:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

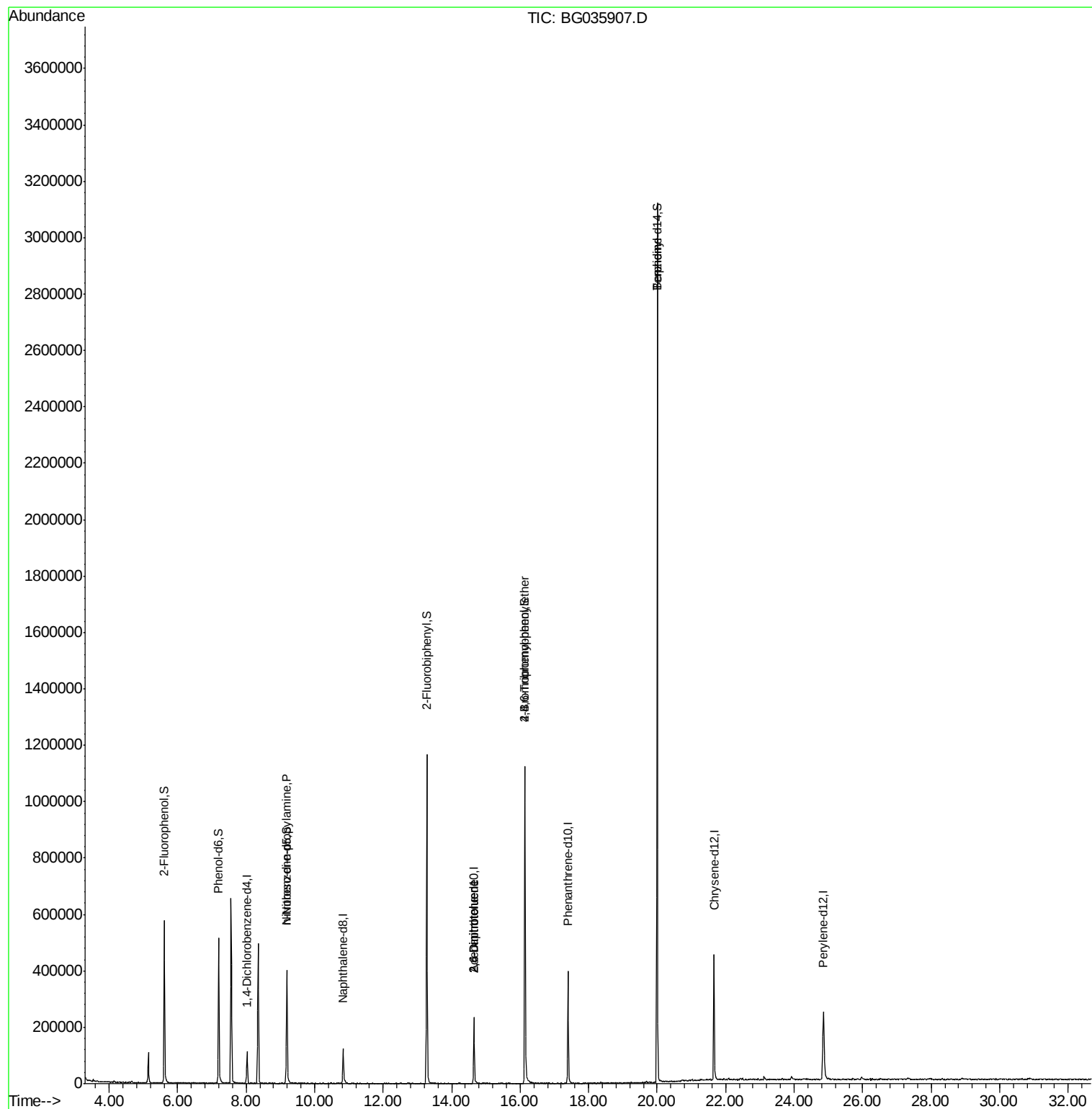
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	32001	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	118795	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	86565	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	283981	20.00	ng	0.00
75) Chrysene-d12	21.66	240	307066	20.00	ng	0.00
86) Perylene-d12	24.85	264	285854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	258250	133.98	ng	0.00
7) Phenol-d6	7.20	99	327754	113.97	ng	0.00
23) Nitrobenzene-d5	9.19	82	276540	97.25	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	222423	194.94	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	660836	102.28	ng	0.00
78) Terphenyl-d14	20.00	244	1459148	104.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	38024	15.702	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	11688	7.568	ng	# 22
56) 2,4-Dinitrotoluene	14.65	165	11688	5.275	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	18291	5.552	ng	# 1
76) Benzidine	20.00	184	24027	2.976	ng	# 94

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

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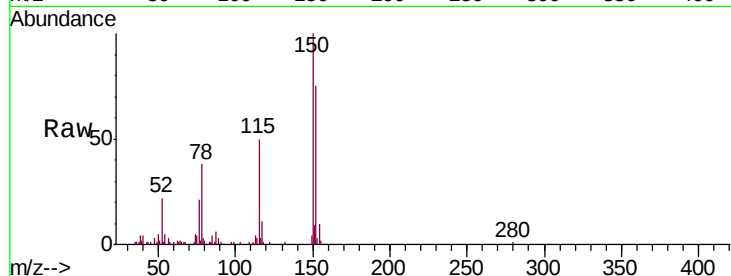


#1

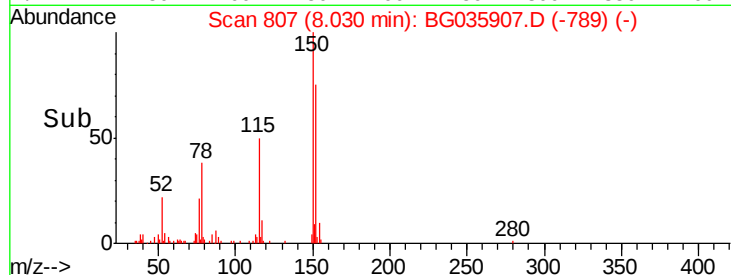
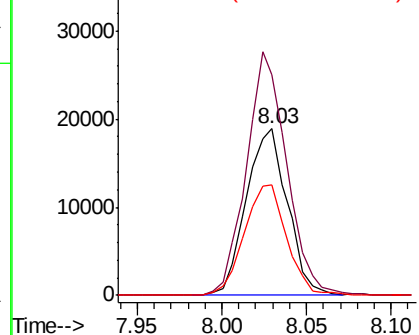
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.01 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	132.7	126.6	189.8
115	66.5	53.0	79.4



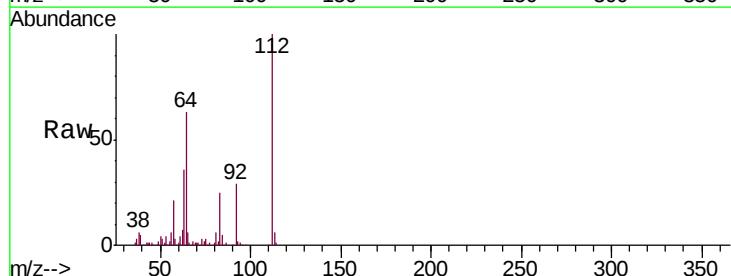
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



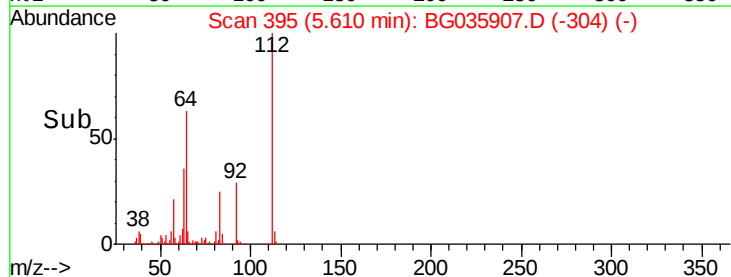
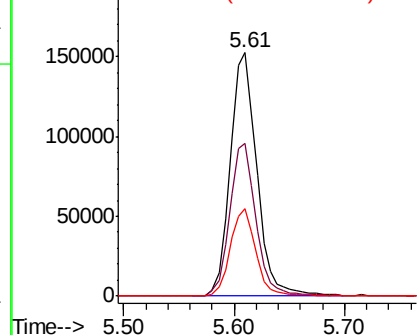
#5

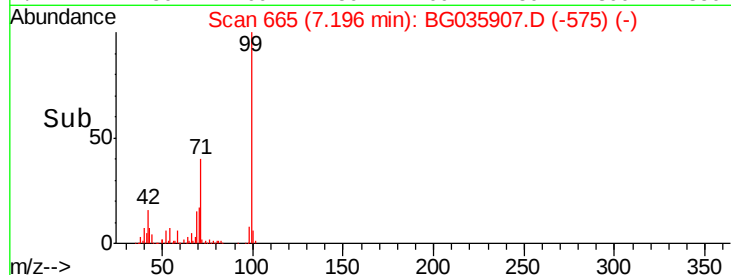
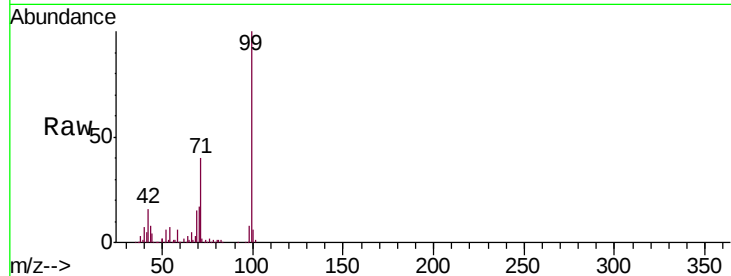
2-Fluorophenol
Concen: 133.982 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.01 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	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): BG
Ion 63.00 (62.70 to 63.70): BG

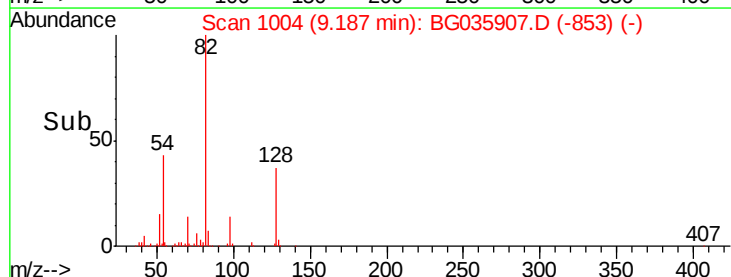
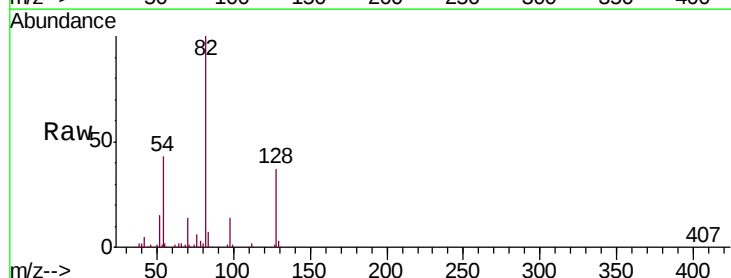
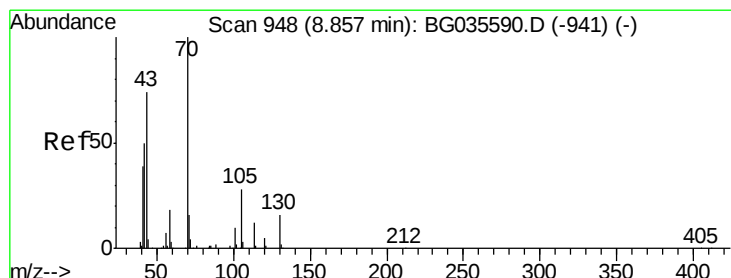
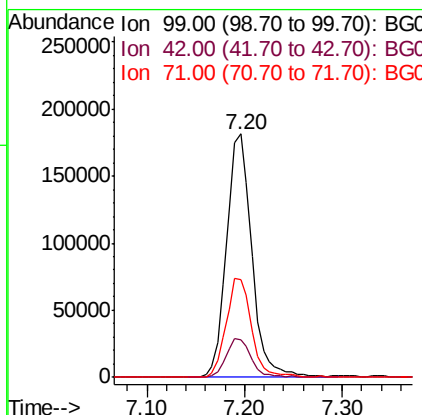




#7
Phenol-d6
Concen: 113.969 ng
RT: 7.20 min Scan# 665
Delta R.T. -0.00 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

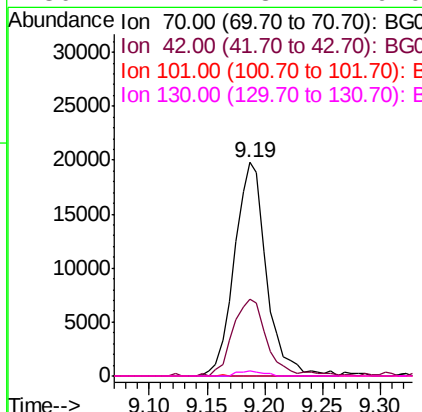
Instrument :
BNA_G
ClientSampleId :
HR-06-072418-C

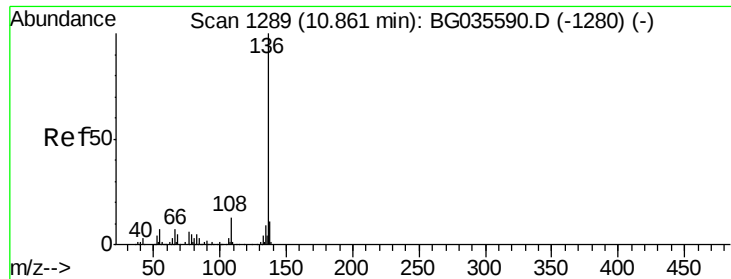
Tgt Ion: 99 Resp: 327754
Ion Ratio Lower Upper
99 100
42 15.6 14.1 21.1
71 40.2 26.1 39.1#



#19
n-Nitroso-di-n-propylamine
Concen: 15.702 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.36 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Tgt Ion: 70 Resp: 38024
Ion Ratio Lower Upper
70 100
42 36.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#

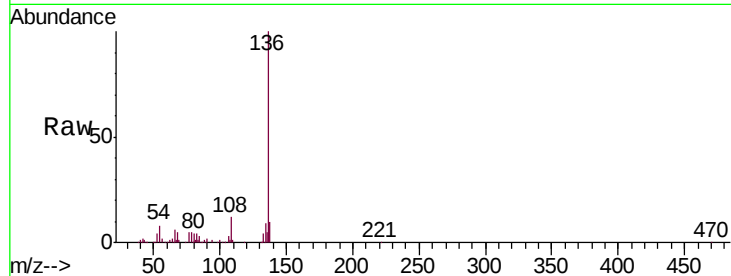




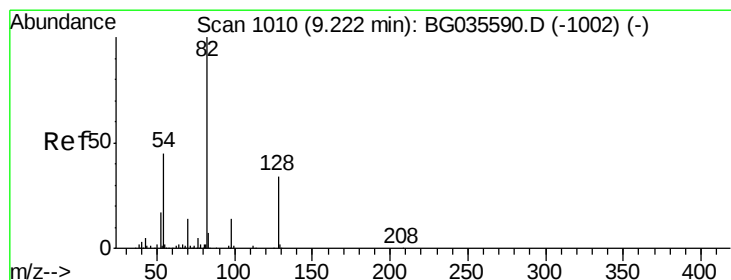
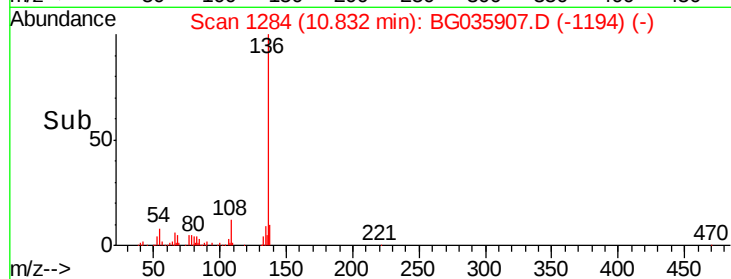
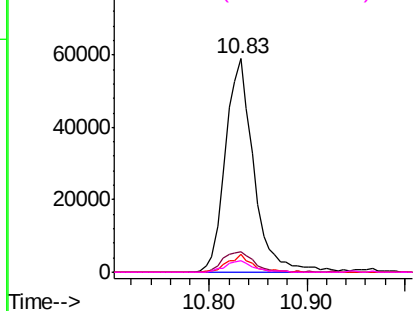
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-C

Tgt Ion:	136	Resp:	118795
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	8.2	10.3	15.5
68	5.3	4.5	6.7

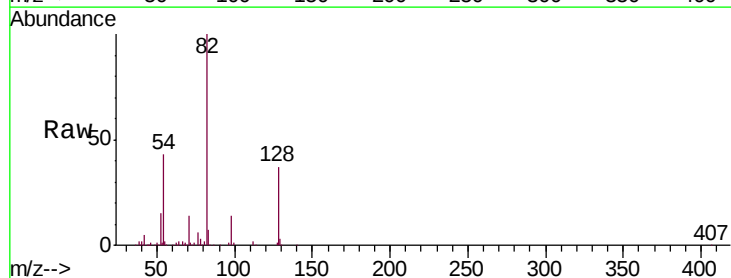


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

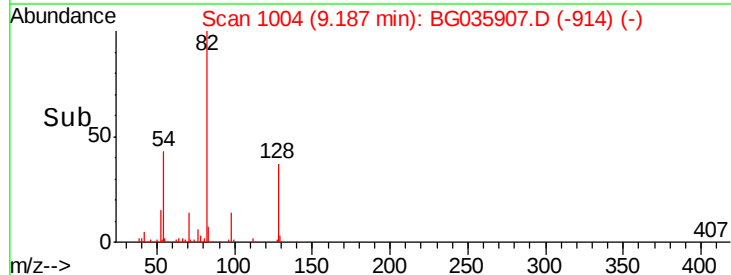
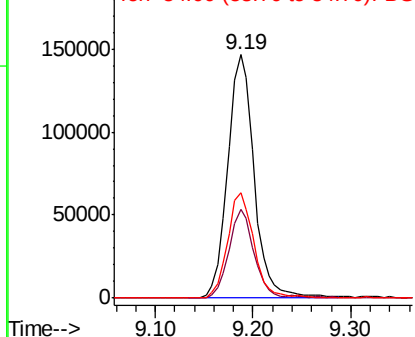


#23
Nitrobenzene-d5
Concen: 97.246 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Tgt Ion:	82	Resp:	276540
Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.7	44.5
54	43.2	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: BG035907.D

Acq: 26 Jul 2018 13:21

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-C

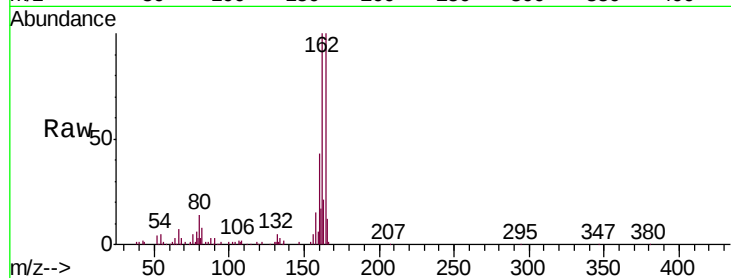
Tgt Ion:164 Resp: 86565

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

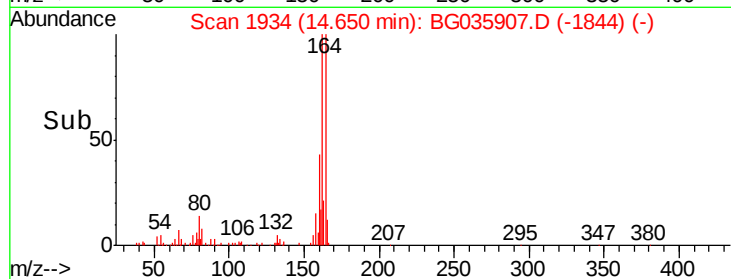
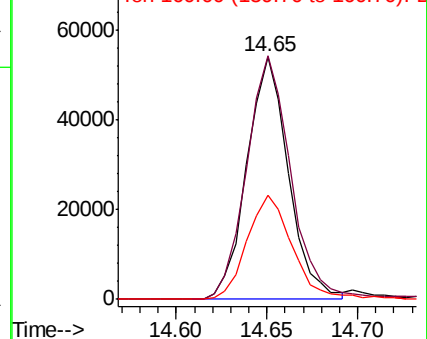
160 42.7 35.4 53.0



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: 194.940 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035907.D

Acq: 26 Jul 2018 13:21

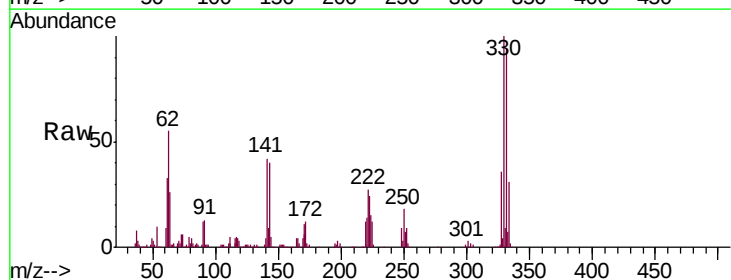
Tgt Ion:330 Resp: 222423

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

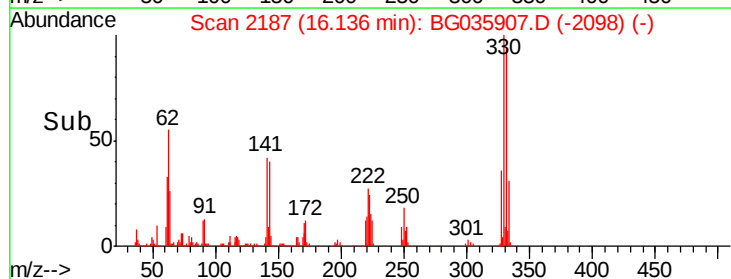
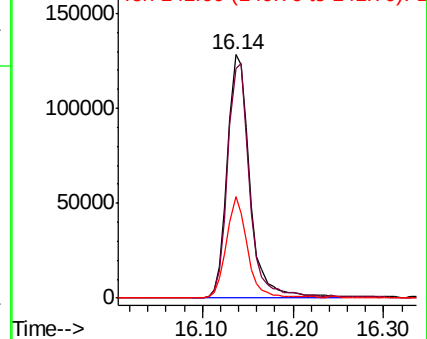
141 39.0 25.2 37.8#

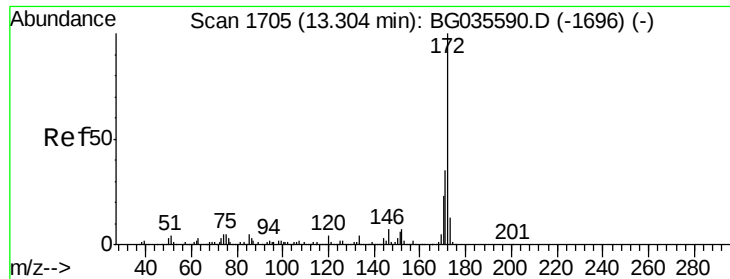


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

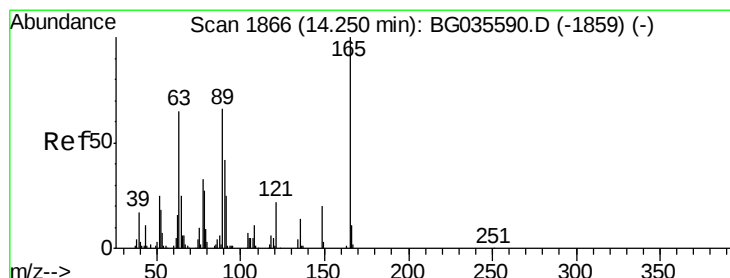
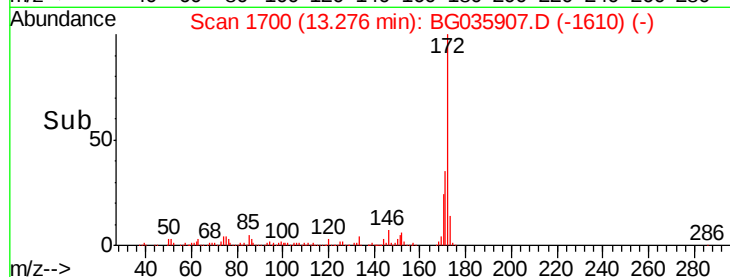
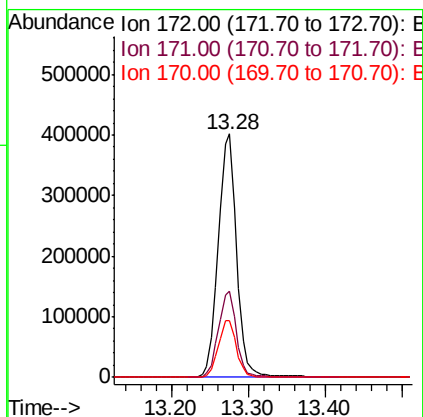
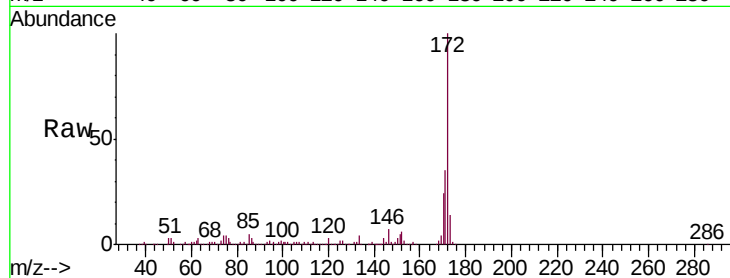




#44
 2-Fluorobiphenyl
 Concen: 102.276 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035907.D
 Acq: 26 Jul 2018 13:21

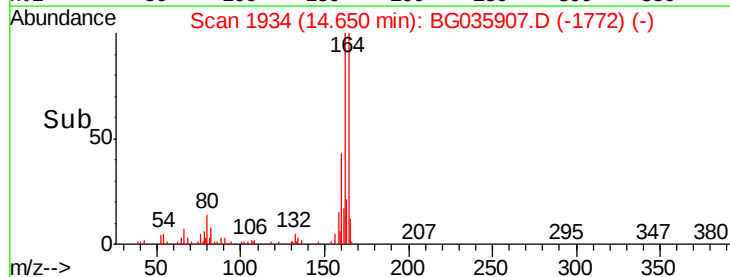
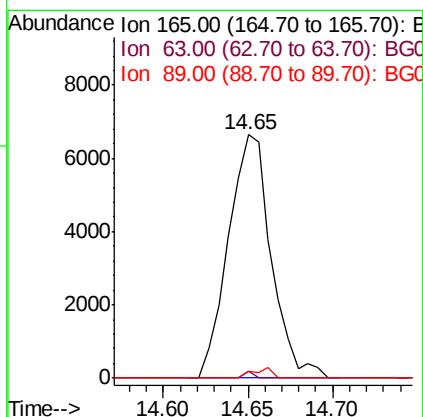
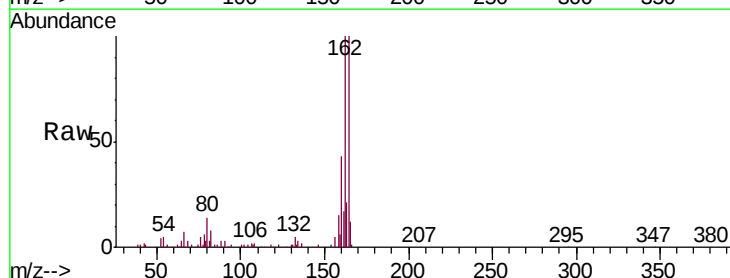
Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-C

Tgt Ion:172 Resp: 660836
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.568 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035907.D
 Acq: 26 Jul 2018 13:21

Tgt Ion:165 Resp: 11688
 Ion Ratio Lower Upper
 165 100
 63 2.6 52.7 79.1#
 89 2.8 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.275 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035907.D

Acq: 26 Jul 2018 13:21

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-C

Tgt Ion:165 Resp: 11688

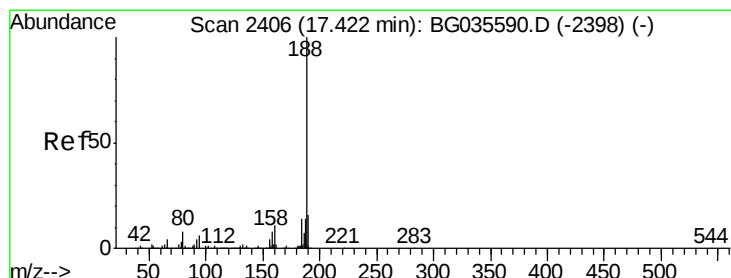
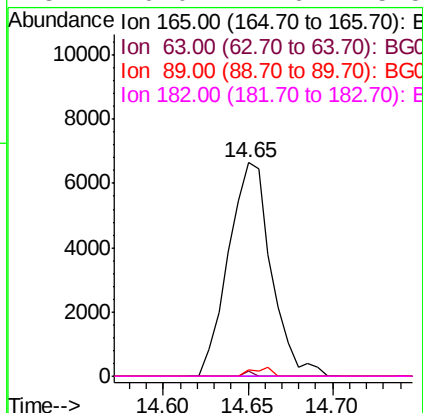
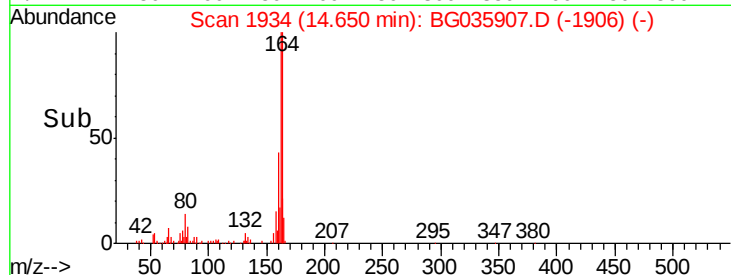
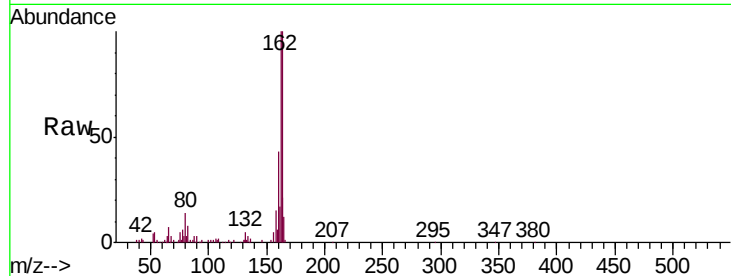
Ion Ratio Lower Upper

165 100

63 2.6 42.0 63.0#

89 2.8 66.9 100.3#

182 0.0 2.6 3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035907.D

Acq: 26 Jul 2018 13:21

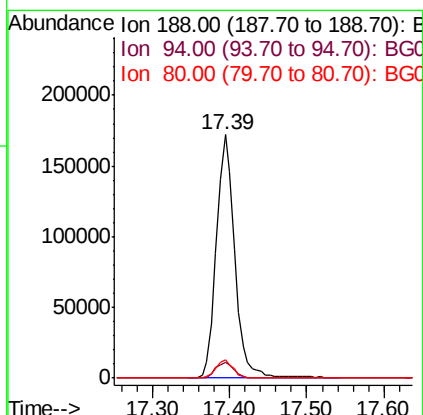
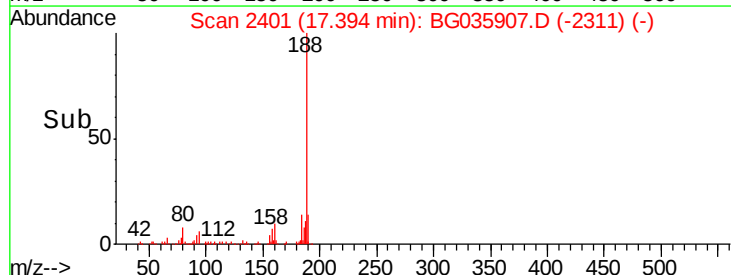
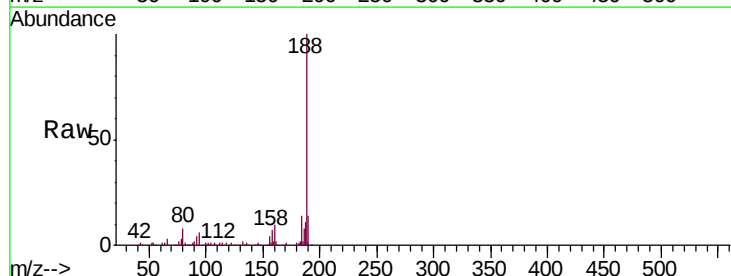
Tgt Ion:188 Resp: 283981

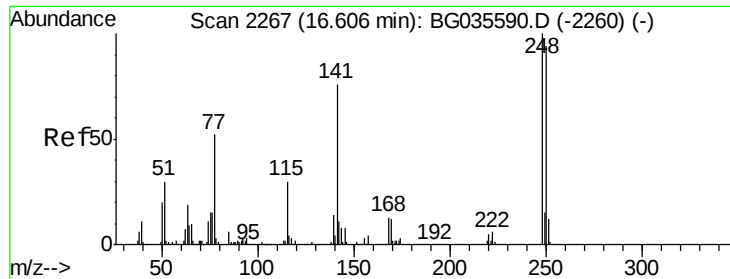
Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

80 7.7 7.7 11.5

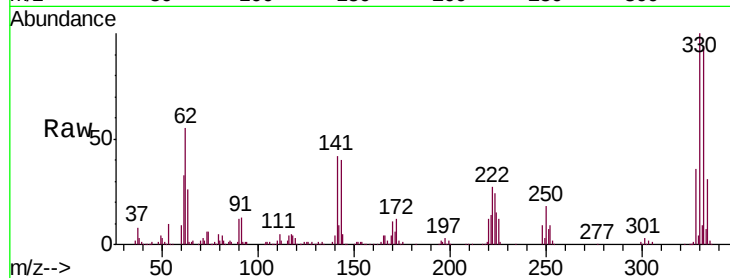




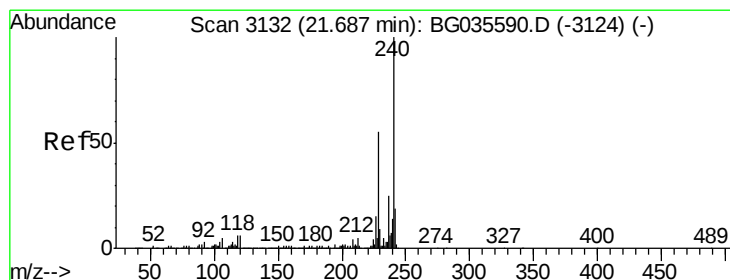
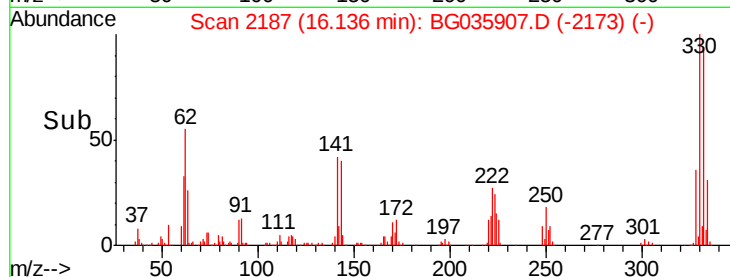
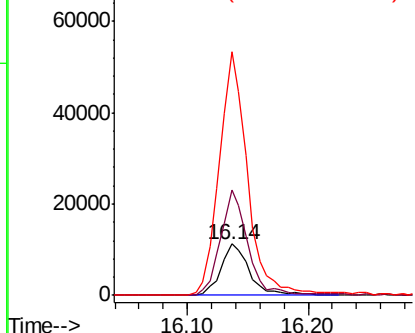
#66
 4-Bromophenyl-phenylether
 Concen: 5.552 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035907.D
 Acq: 26 Jul 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-C

Tgt Ion:248 Resp: 18291
 Ion Ratio Lower Upper
 248 100
 250 203.2 77.1 115.7#
 141 472.2 50.8 76.2#

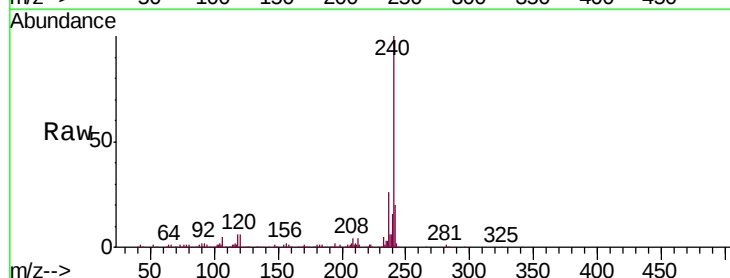


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

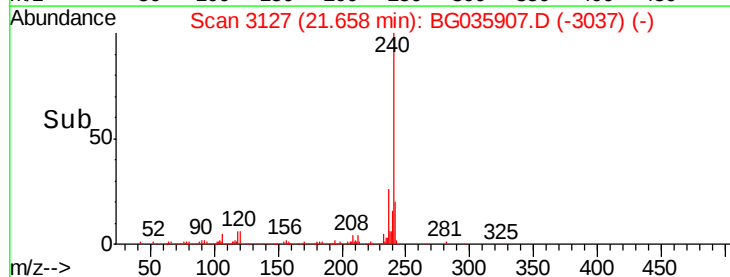
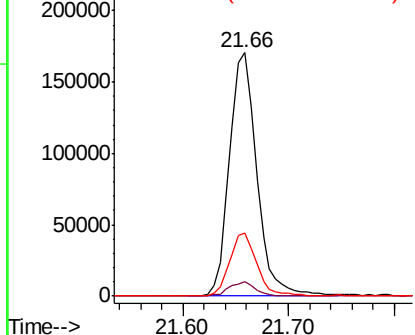


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: BG035907.D
 Acq: 26 Jul 2018 13:21

Tgt Ion:240 Resp: 307066
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 25.8 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: 2.976 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035907.D

Acq: 26 Jul 2018 13:21

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-C

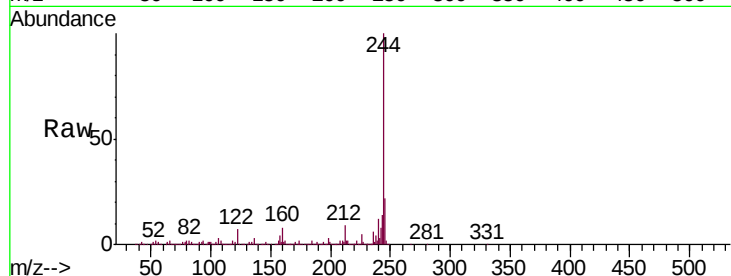
Tgt Ion:184 Resp: 24027

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

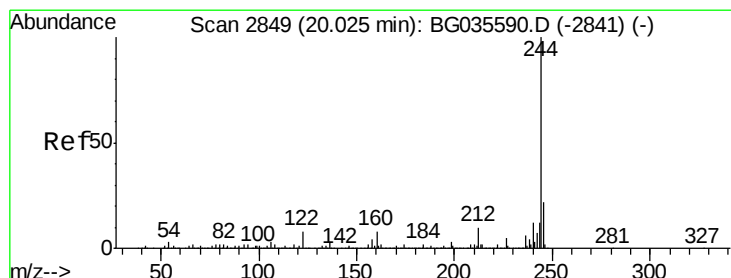
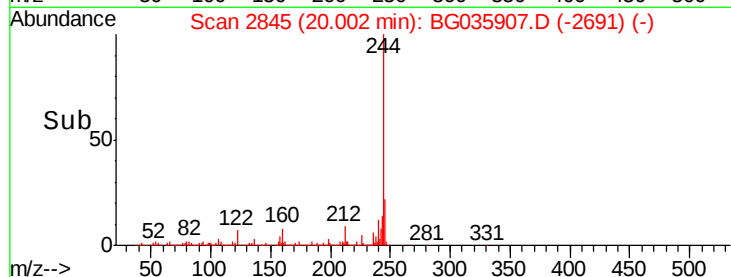
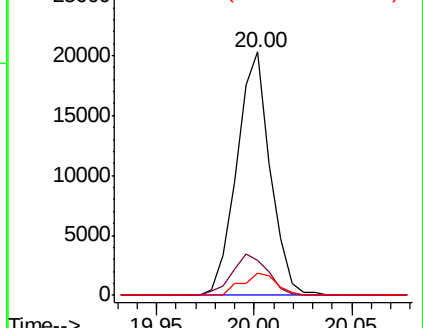
183 9.1 10.6 16.0#



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: 104.746 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035907.D

Acq: 26 Jul 2018 13:21

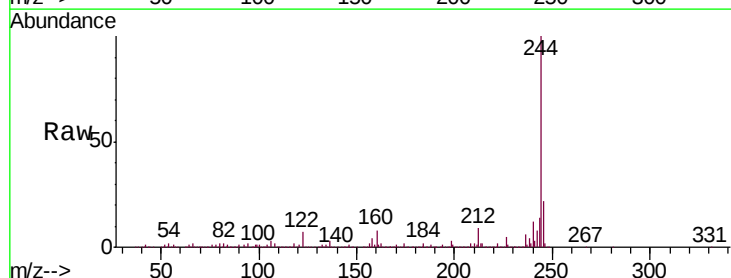
Tgt Ion:244 Resp: 1459148

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

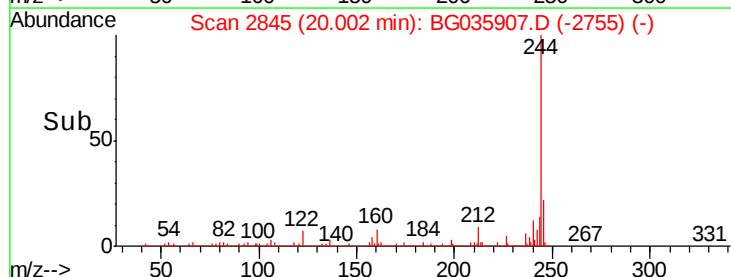
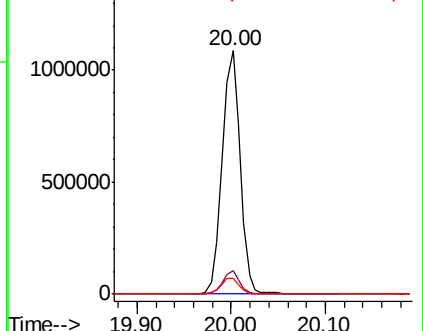
122 6.7 7.0 10.4#

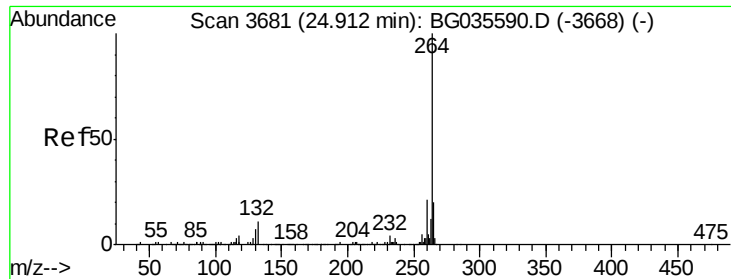


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035907.D
Acq: 26 Jul 2018 13:21

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.0	17.7	26.5

