

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039208.D
 Acq On : 18 Jan 2019 7:04
 Operator : JU/SJ
 Sample : K1157-27
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-07-011519

Quant Time: Jan 18 07:55:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

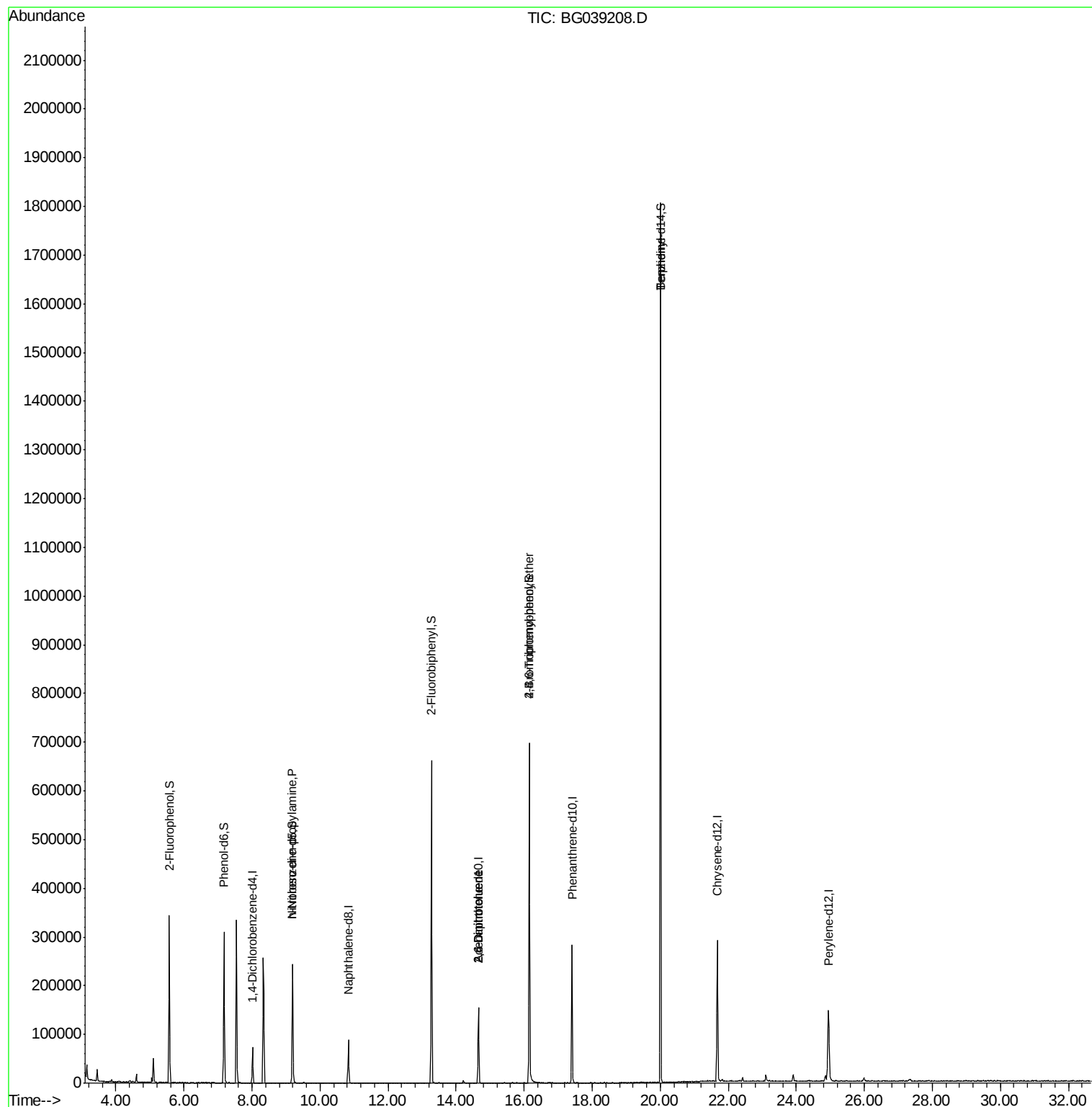
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	21223	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	85098	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	57573	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	194722	20.00	ng	0.00
76) Chrysene-d12	21.68	240	194823	20.00	ng	0.00
87) Perylene-d12	24.95	264	193034	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	149738	133.84	ng	0.00
7) Phenol-d6	7.18	99	179887	111.73	ng	0.00
23) Nitrobenzene-d5	9.19	82	150787	96.96	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	153550	159.11	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	372821	88.62	ng	0.00
79) Terphenyl-d14	20.01	244	913983	86.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	20085	18.997	ng	# 66
51) 2,6-Dinitrotoluene	14.65	165	7500	6.895	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	7500	4.806	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	10193	4.072	ng	# 1
77) Benzidine	20.01	184	14539	2.440	ng	# 95

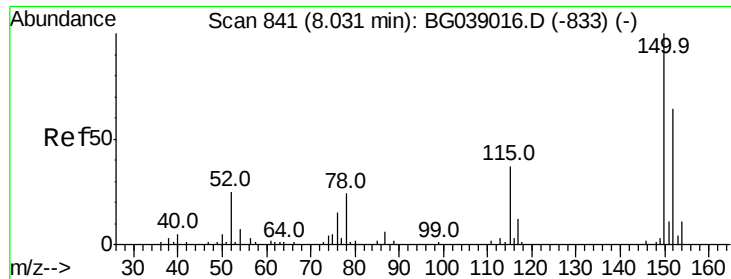
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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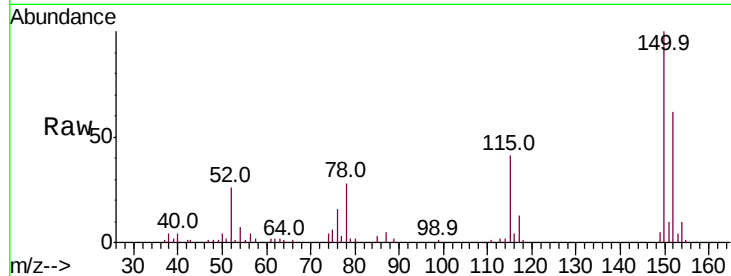


#1

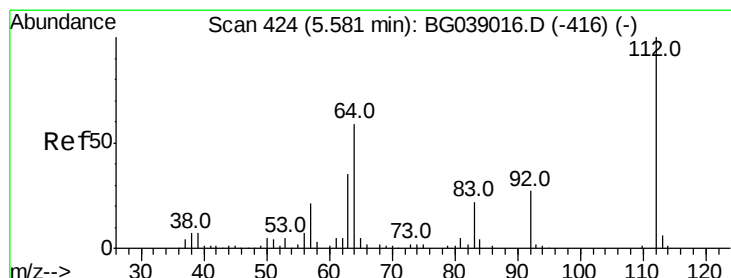
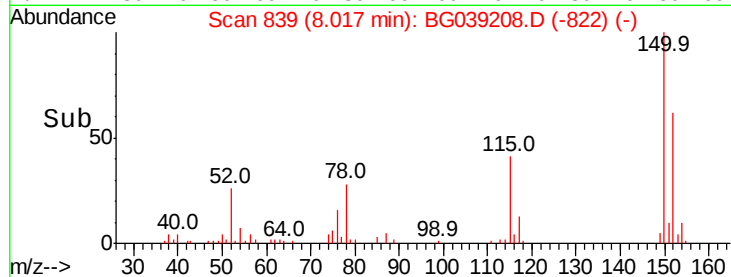
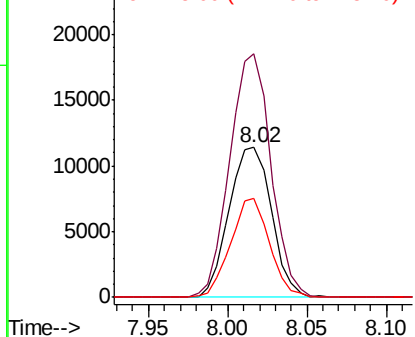
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

Instrument :
BNA_G
ClientSampleId :
WC-07-011519

Tot Ion:152 Resp: 21223
Ion Ratio Lower Upper
152 100
150 162.2 124.7 187.1
115 66.1 46.5 69.7



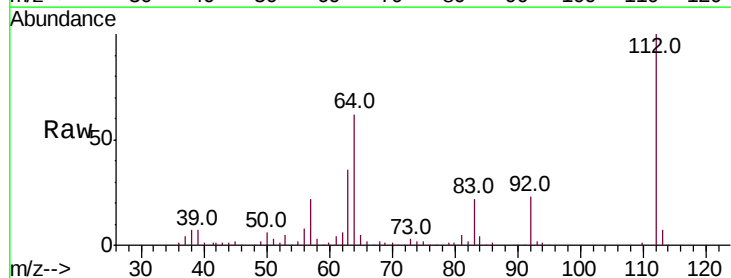
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



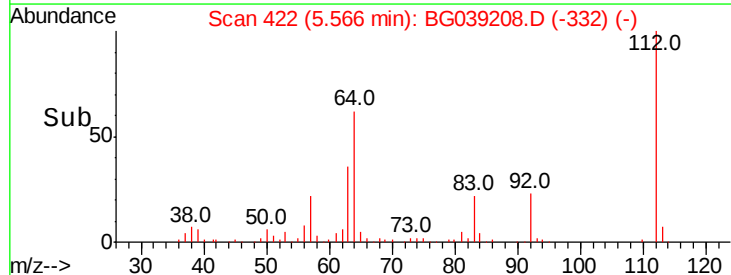
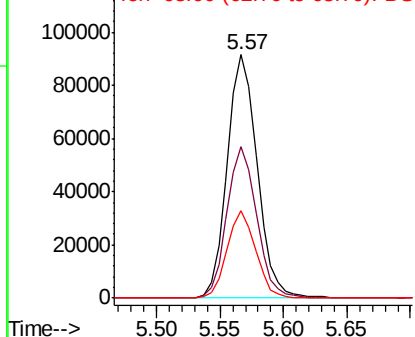
#5

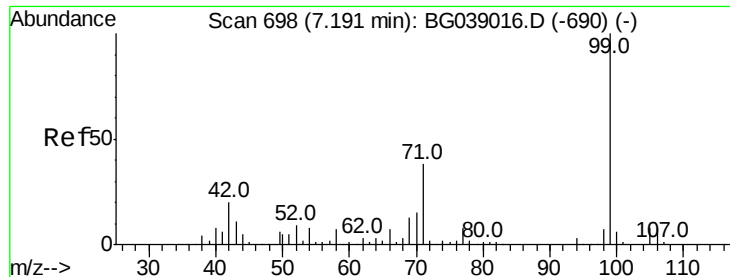
2-Fluorophenol
Concen: 133.841 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

Tgt Ion:112 Resp: 149738
Ion Ratio Lower Upper
112 100
64 62.3 47.0 70.6
63 35.9 28.0 42.0



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: 111.726 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Instrument :

BNA_G

ClientSampleId :

WC-07-011519

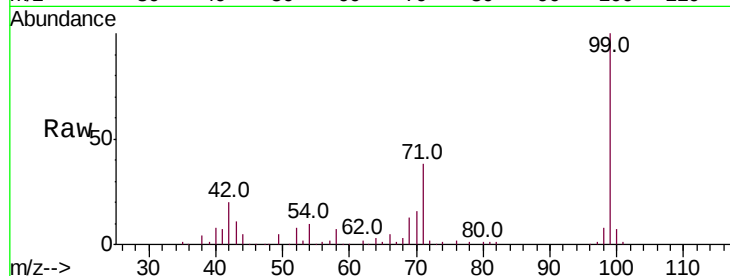
Tot Ion: 99 Resp: 179887

Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

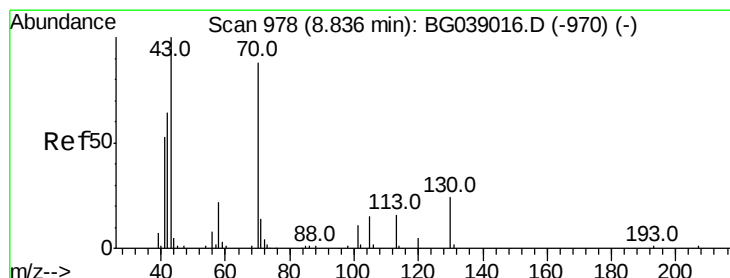
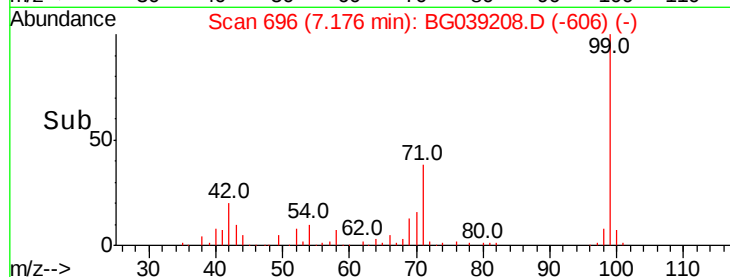
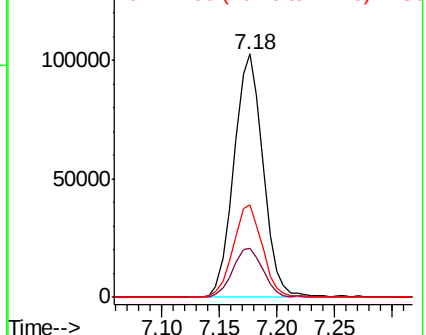
71 38.2 30.2 45.4



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: 18.997 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Tgt Ion: 70 Resp: 20085

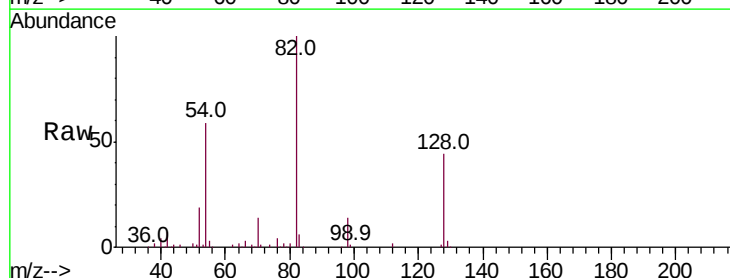
Ion Ratio Lower Upper

70 100

42 49.3 59.0 88.4#

101 0.0 10.4 15.6#

130 2.6 21.6 32.4#

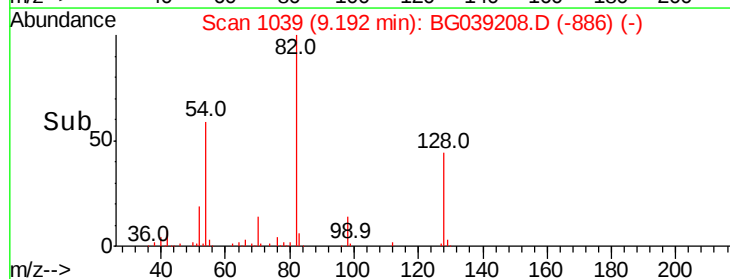
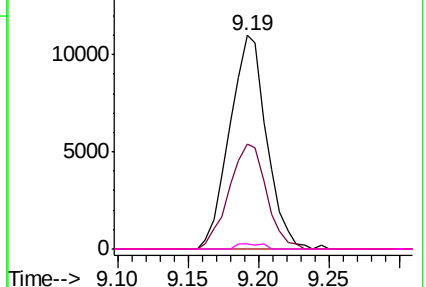


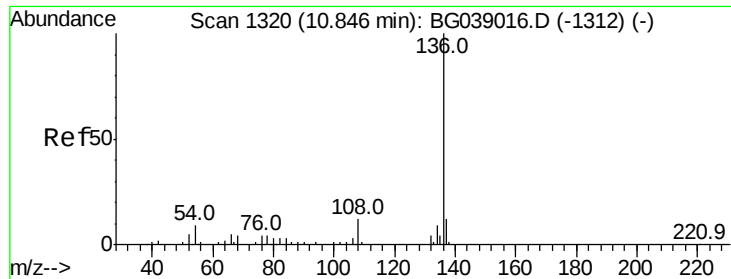
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

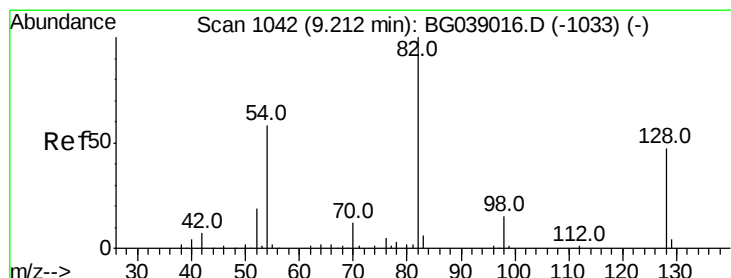
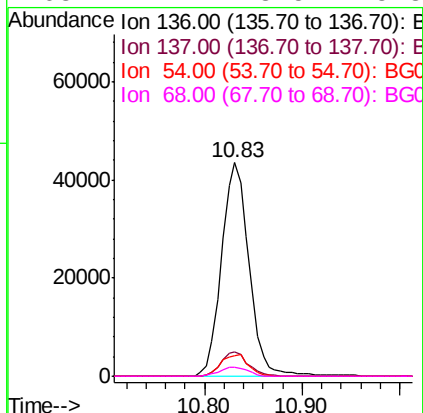
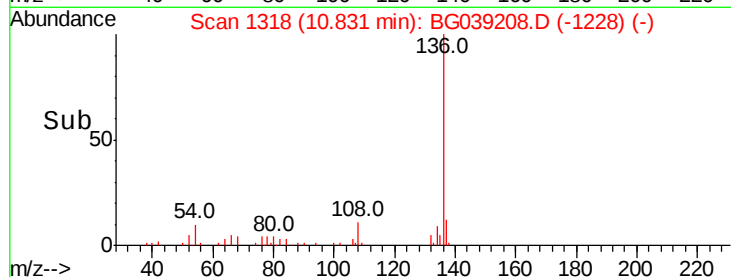
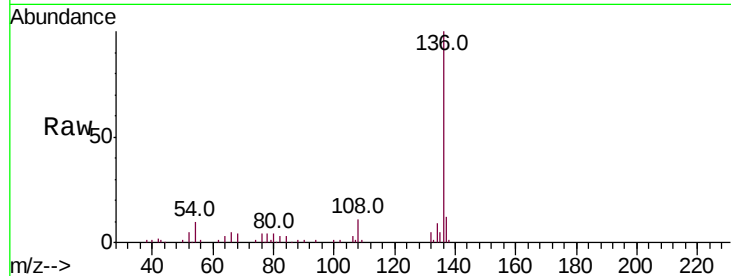




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

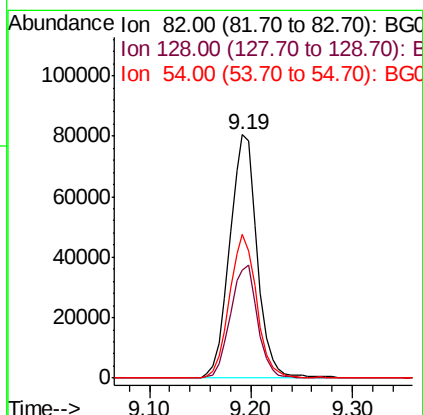
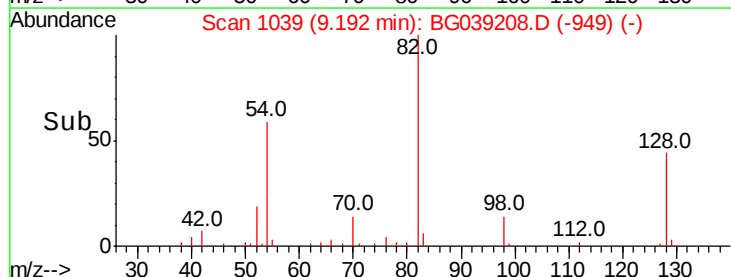
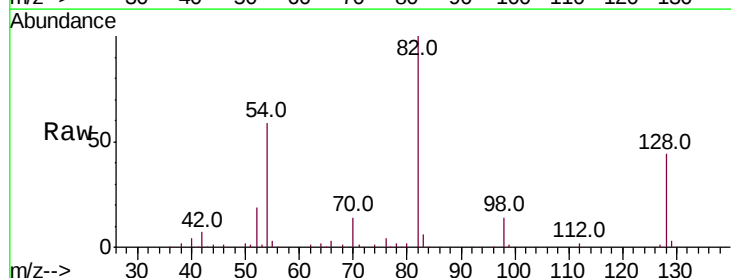
Instrument :
BNA_G
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WC-07-011519

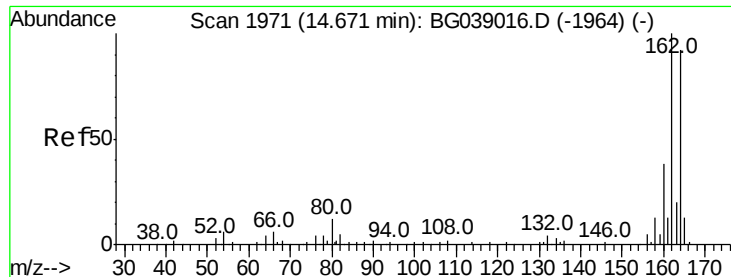
Tot Ion:136	Resp:	85098	
Ion Ratio	Lower	Upper	
136 100			
137 11.5	9.4	14.2	
54 9.6	7.2	10.8	
68 4.4	3.5	5.3	



#23
Nitrobenzene-d5
Concen: 96.959 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

Tgt Ion: 82	Resp: 150787
Ion Ratio	Lower Upper
82 100	
128 44.1	37.3 55.9
54 59.2	46.4 69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Instrument :

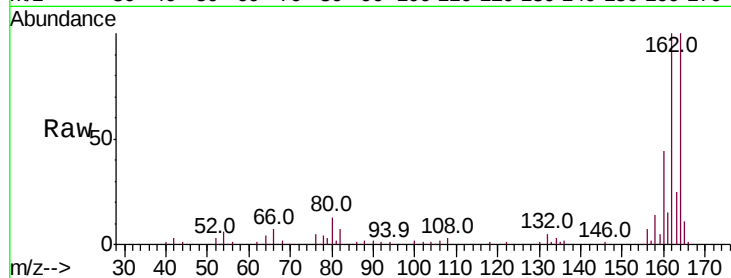
BNA_G

ClientSampleId :

WC-07-011519

Tot Ion:164 Resp: 57573

Ion	Ratio	Lower	Upper
164	100		
162	99.5	87.2	130.8
160	43.7	33.3	49.9

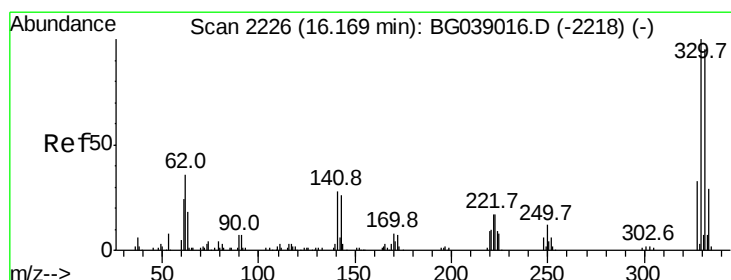
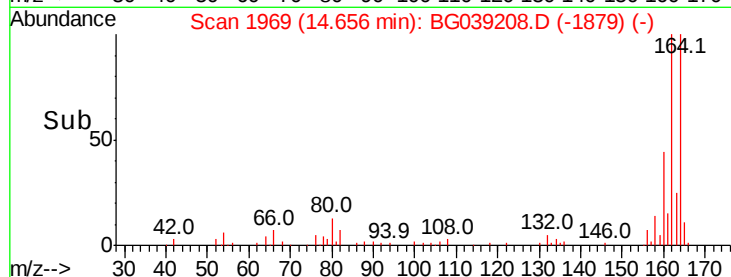
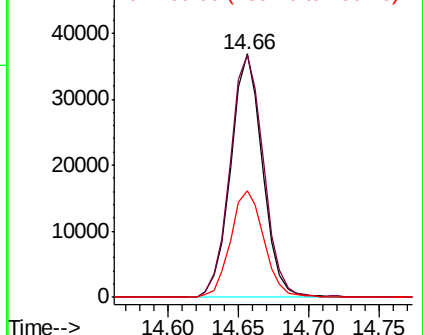


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 159.106 ng

RT: 16.15 min Scan# 2223

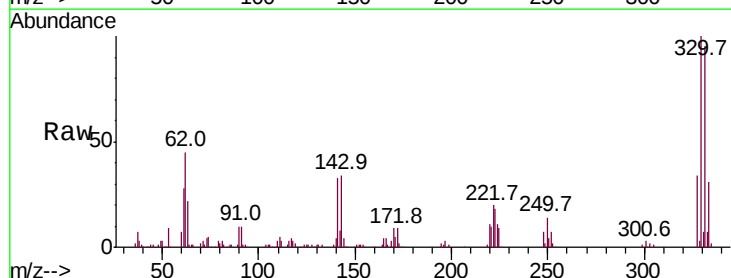
Delta R.T. -0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Tgt Ion:330 Resp: 153550

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.7	113.5
141	33.6	24.9	37.3

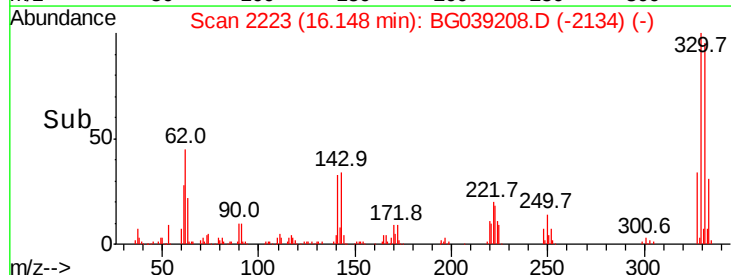
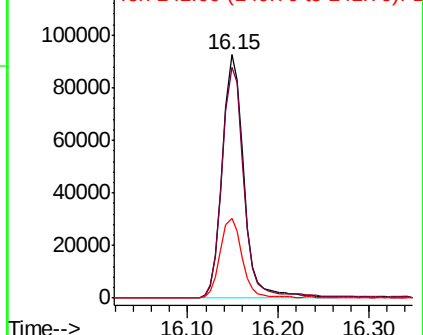


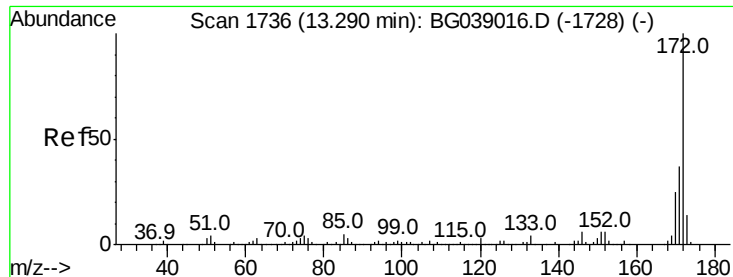
Abundance

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





#45

2-Fluorobiphenyl

Concen: 88.623 ng

RT: 13.28 min Scan# 1734

Delta R.T. 0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Instrument :

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ClientSampleId :

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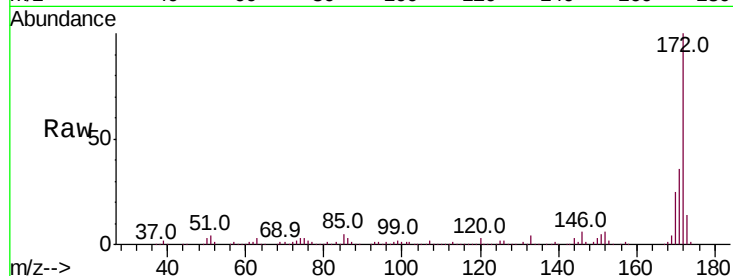
Tot Ion:172 Resp: 372821

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

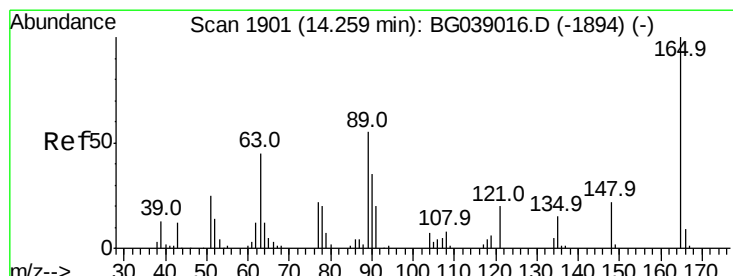
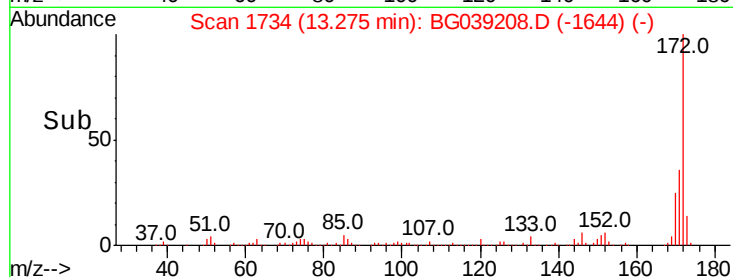
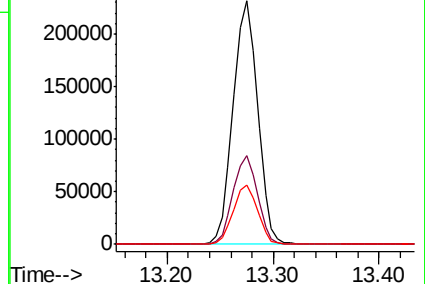
170 24.6 20.1 30.1



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



#51

2,6-Dinitrotoluene

Concen: 6.895 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.41 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

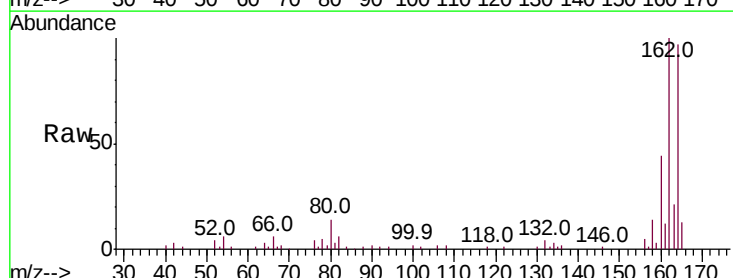
Tgt Ion:165 Resp: 7500

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

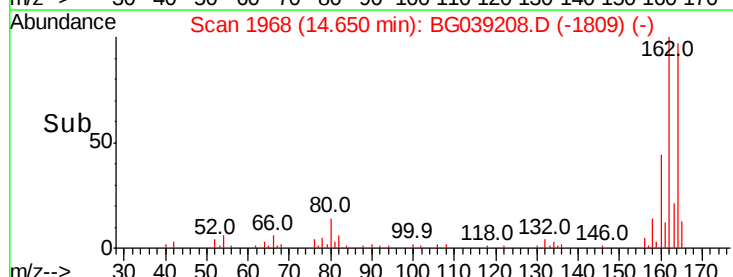
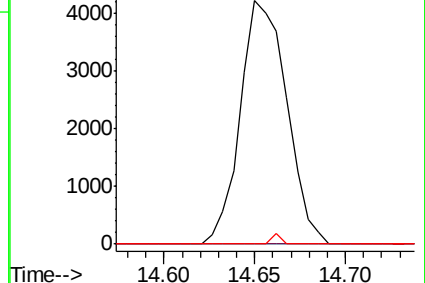
89 0.0 43.7 65.5#

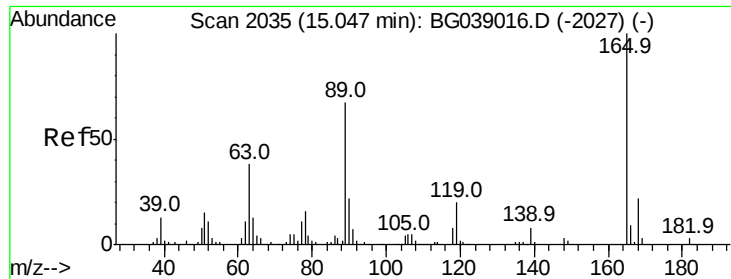


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

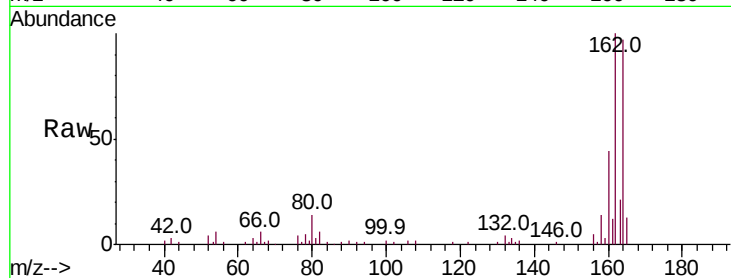




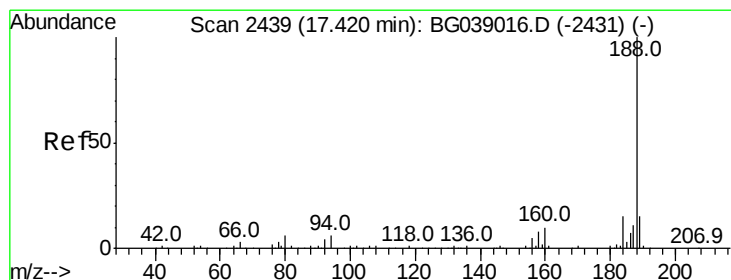
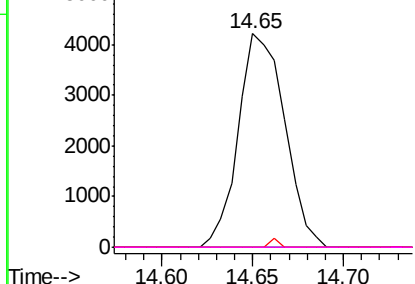
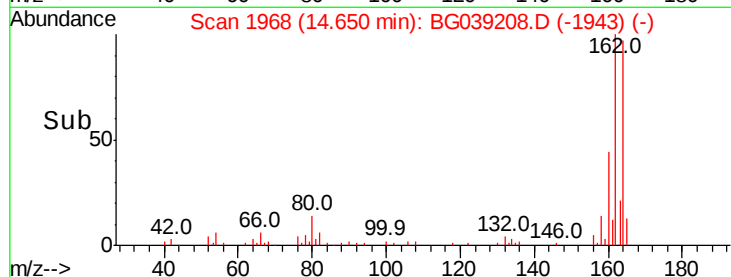
#57
2,4-Dinitrotoluene
Concen: 4.806 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.38 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

Instrument :
BNA_G
ClientSampleId :
WC-07-011519

Tot Ion:165 Resp: 7500
Ion Ratio Lower Upper
165 100
63 0.0 30.2 45.4#
89 0.0 53.2 79.8#
182 0.0 2.7 4.1#

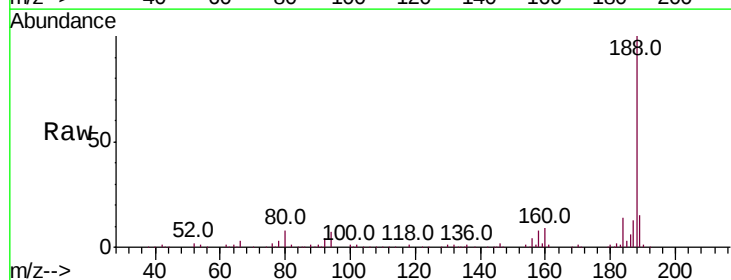


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

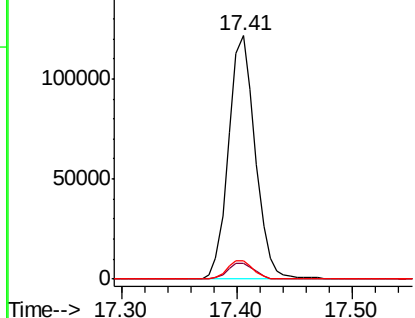
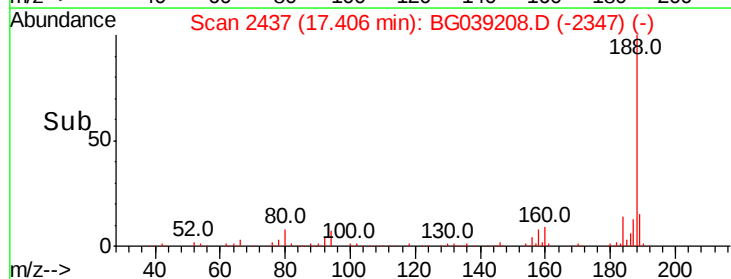


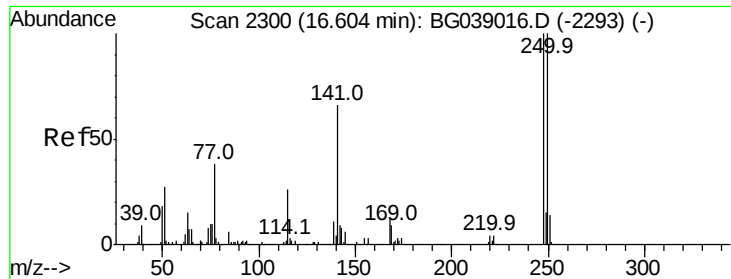
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BG039208.D
Acq: 18 Jan 2019 7:04

Tgt Ion:188 Resp: 194722
Ion Ratio Lower Upper
188 100
94 6.5 5.0 7.4
80 7.6 4.7 7.1#



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





#67

4-Bromophenyl-phenylether

Concen: 4.072 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Instrument :

BNA_G

ClientSampleId :

WC-07-011519

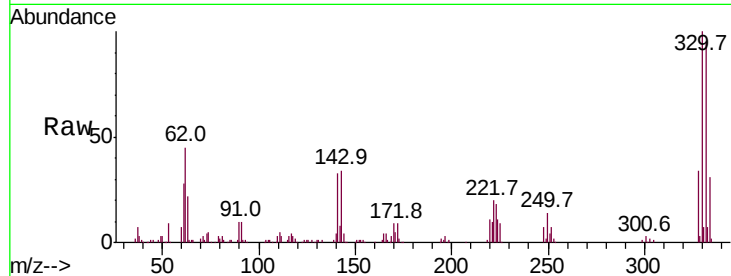
Tot Ion:248 Resp: 10193

Ion Ratio Lower Upper

248 100

250 199.3 79.9 119.9#

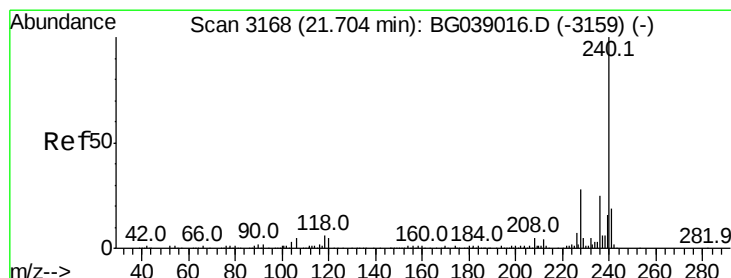
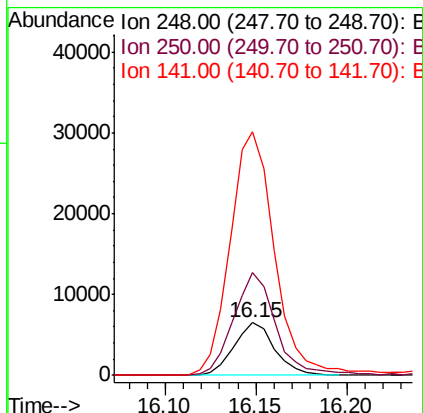
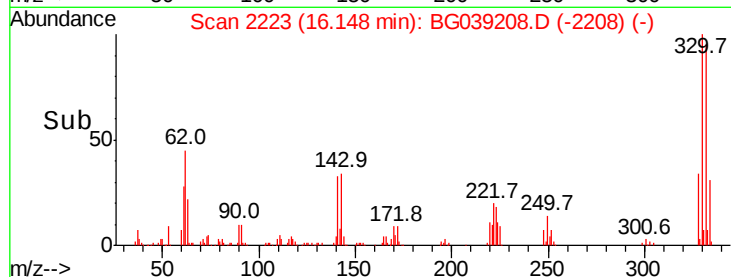
141 357.1 52.7 79.1#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

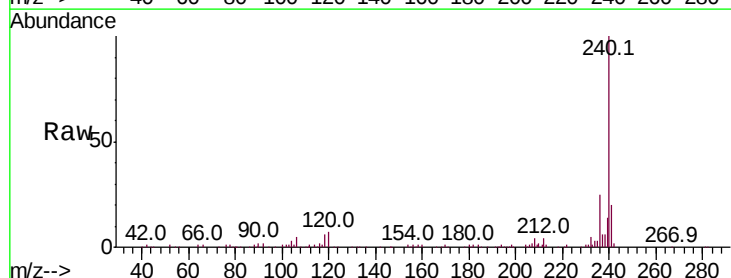
Tgt Ion:240 Resp: 194823

Ion Ratio Lower Upper

240 100

120 7.2 4.3 6.5#

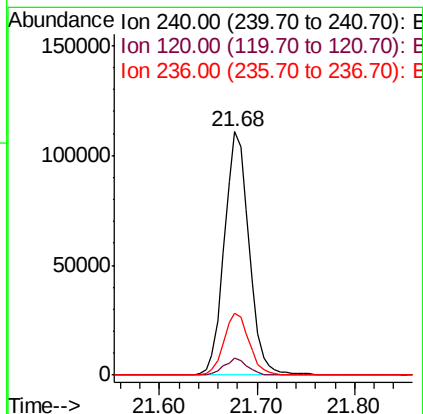
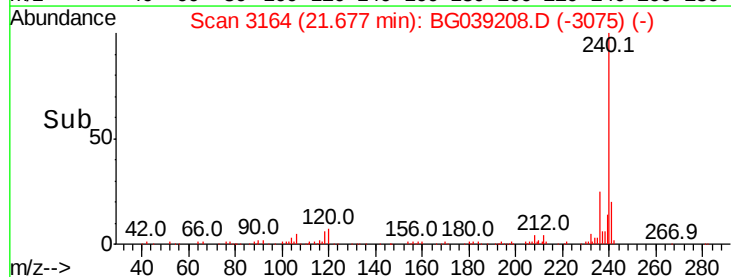
236 25.3 20.1 30.1

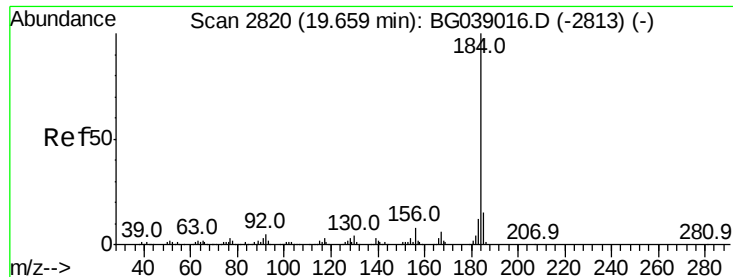


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.440 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

Instrument :

BNA_G

ClientSampleId :

WC-07-011519

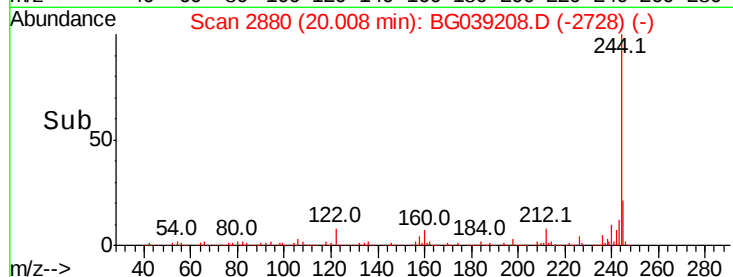
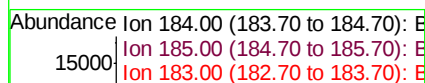
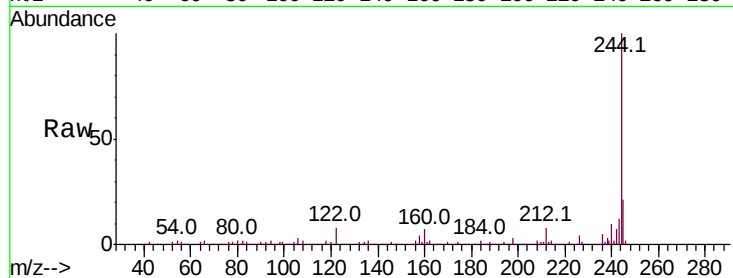
Tot Ion:184 Resp: 14539

Ion Ratio Lower Upper

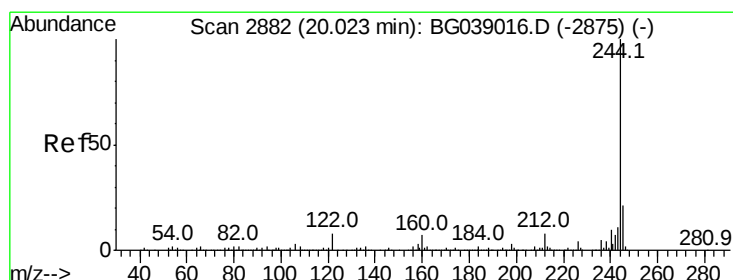
184 100

185 16.1 12.1 18.1

183 8.5 9.5 14.3#



Time-->



#79

Terphenyl-d14

Concen: 86.785 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039208.D

Acq: 18 Jan 2019 7:04

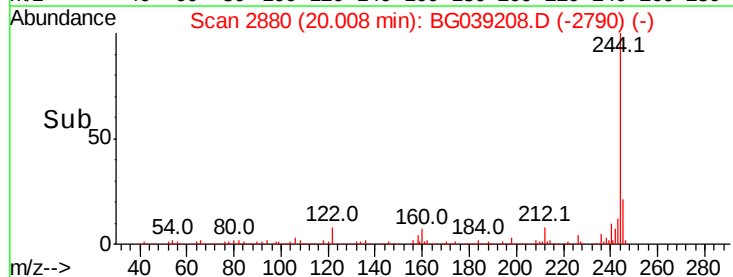
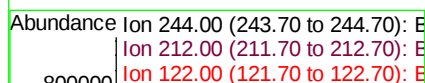
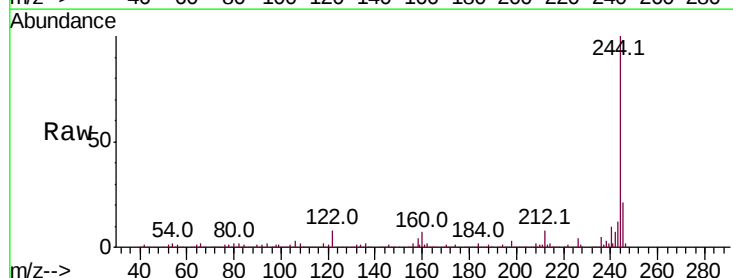
Tgt Ion:244 Resp: 913983

Ion Ratio Lower Upper

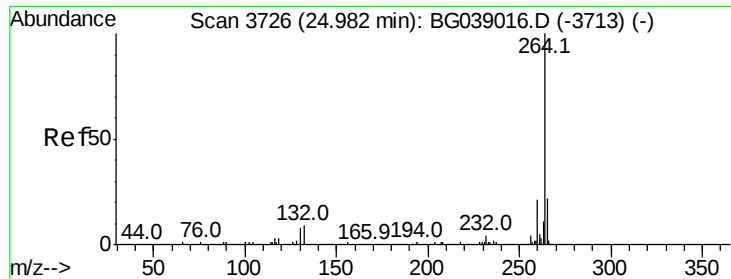
244 100

212 7.9 6.1 9.1

122 7.8 6.1 9.1



Time-->



#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3721
 Delta R.T. 0.00 min
 Lab File: BG039208.D
 Acq: 18 Jan 2019 7:04

Instrument :
 BNA_G
 ClientSampleId :
 WC-07-011519

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.0	25.6
265	21.4	17.2	25.8

