

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039117.D
 Acq On : 12 Jan 2019 13:45
 Operator : JU/SJ
 Sample : K1124-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:04:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

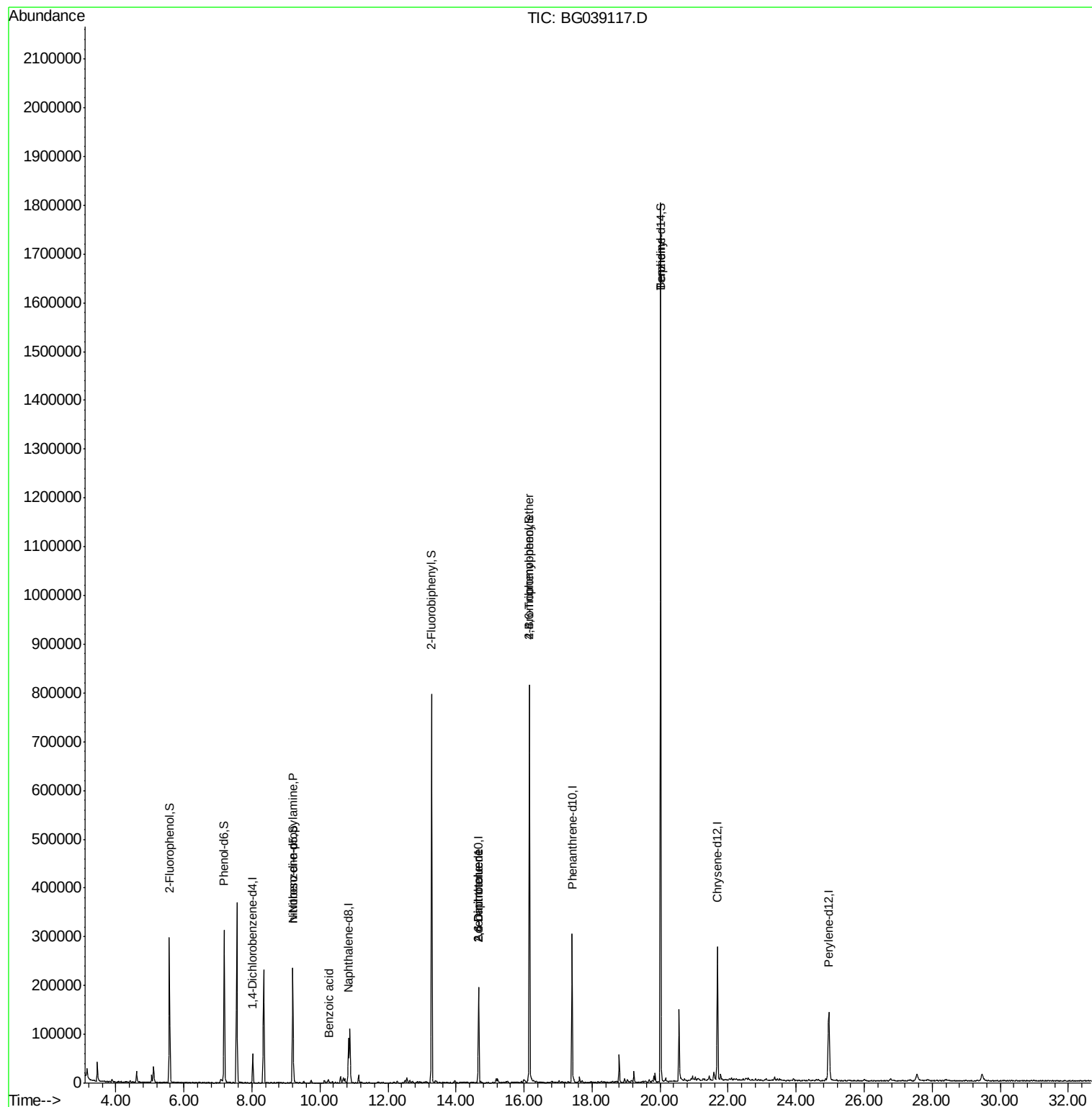
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	18853	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	93416	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	71940	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	199109	20.00	ng	0.00
76) Chrysene-d12	21.69	240	173272	20.00	ng	-0.02
87) Perylene-d12	24.96	264	184358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	140284	141.15	ng	0.00
7) Phenol-d6	7.19	99	185526	129.71	ng	0.00
23) Nitrobenzene-d5	9.20	82	141957	83.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	184229	152.77	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	438905	83.50	ng	0.00
79) Terphenyl-d14	20.02	244	926446	98.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	19419	20.676	ng	# 67
32) Benzoic acid	10.27	122	74	9.521	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	9209	6.775	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	9209	4.723	ng	# 28
67) 4-Bromophenyl-phenylether	16.16	248	11935	4.663	ng	# 1
77) Benzidine	20.02	184	14885	2.809	ng	# 92

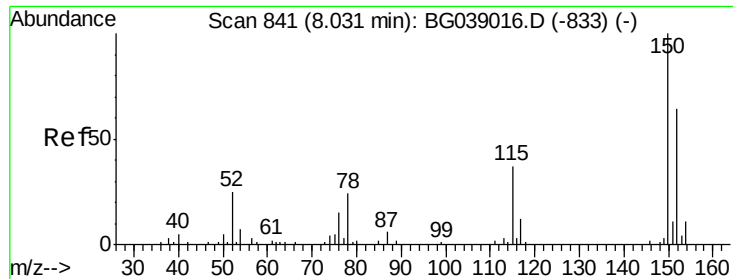
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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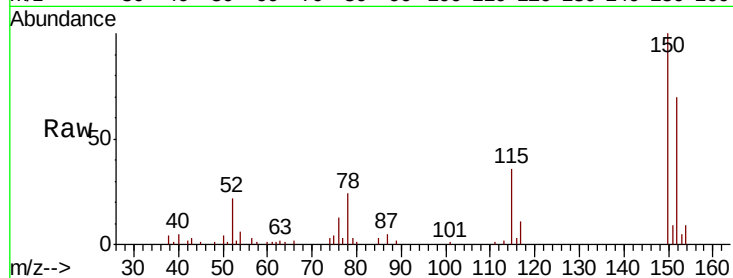


#1

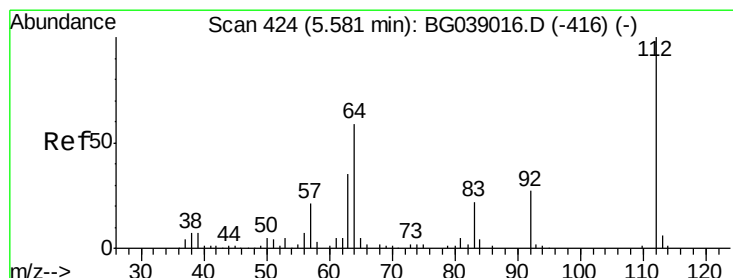
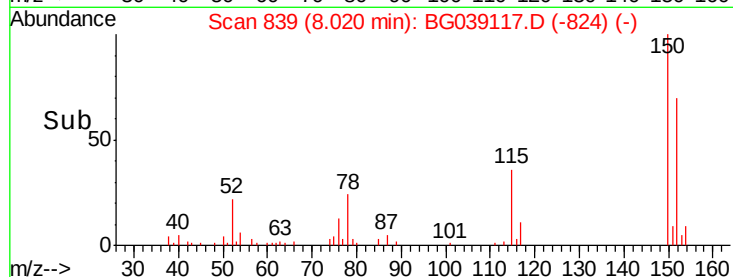
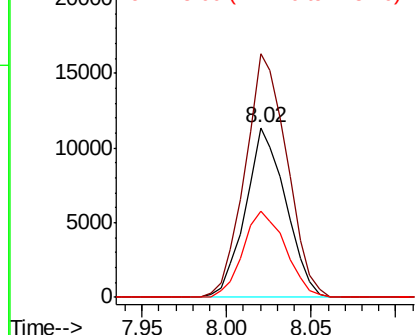
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039117.D
Acq: 12 Jan 2019 13:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 18853
Ion Ratio Lower Upper
152 100
150 143.2 124.7 187.1
115 51.0 46.5 69.7



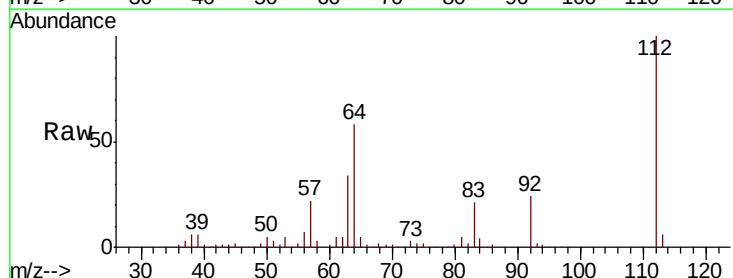
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



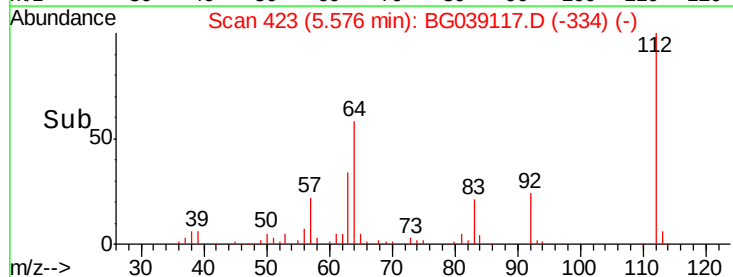
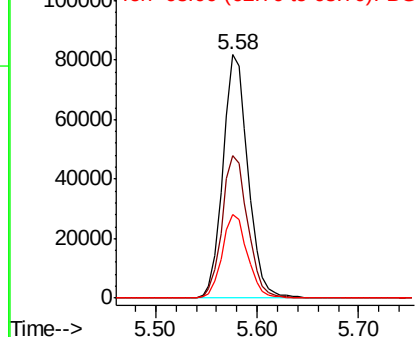
#5

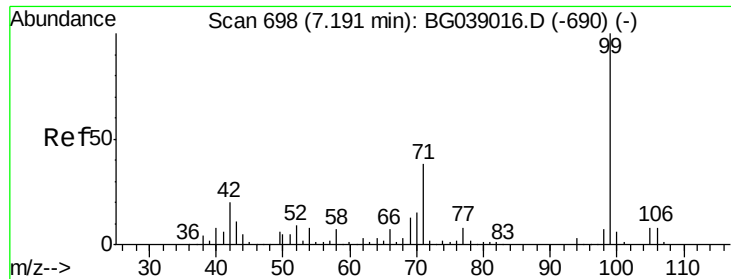
2-Fluorophenol
Concen: 141.153 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039117.D
Acq: 12 Jan 2019 13:45

Tgt Ion:112 Resp: 140284
Ion Ratio Lower Upper
112 100
64 58.3 47.0 70.6
63 34.4 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: 129.714 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampled :

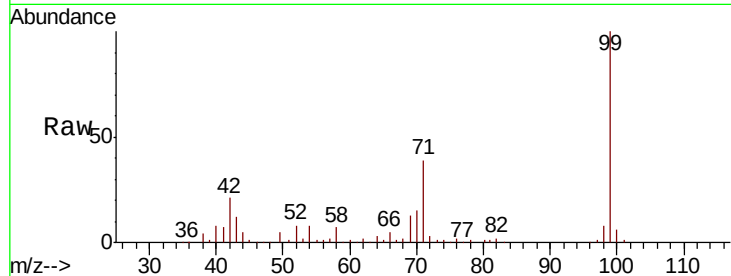
Tot Ion: 99 Resp: 185526

Ion Ratio Lower Upper

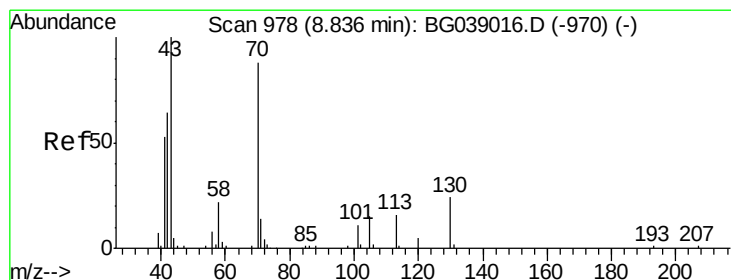
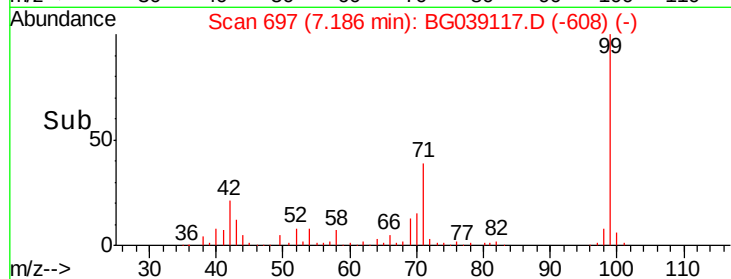
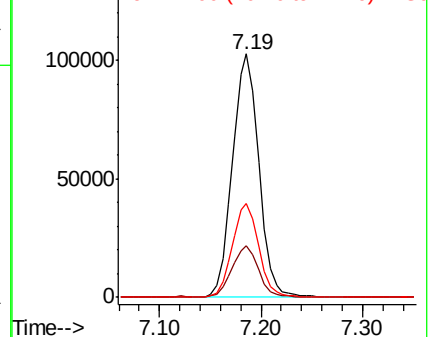
99 100

42 21.1 15.8 23.6

71 38.8 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: 20.676 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Tgt Ion: 70 Resp: 19419

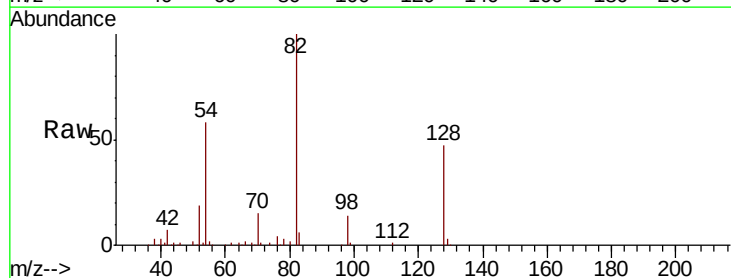
Ion Ratio Lower Upper

70 100

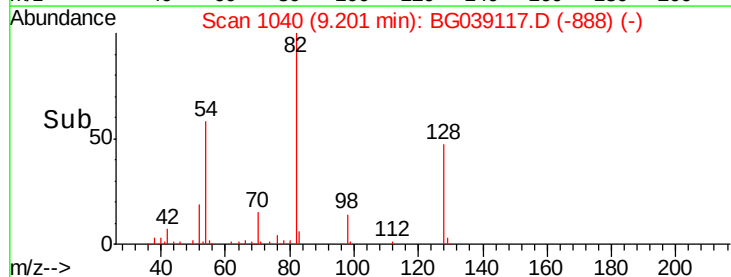
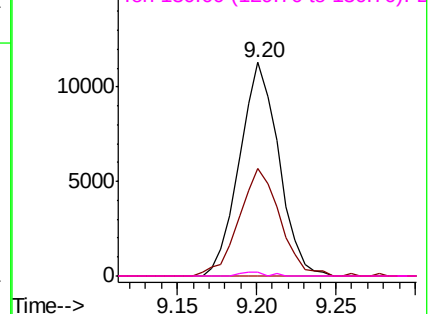
42 50.3 59.0 88.4#

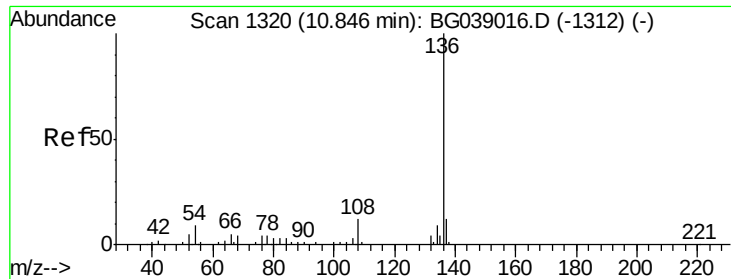
101 0.0 10.4 15.6#

130 2.1 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: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 93416

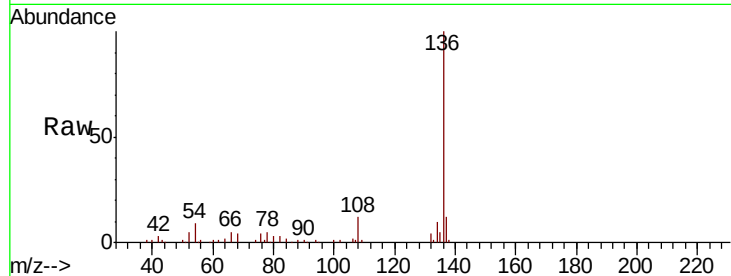
Ion Ratio Lower Upper

136 100

137 12.2 9.4 14.2

54 9.4 7.2 10.8

68 3.9 3.5 5.3

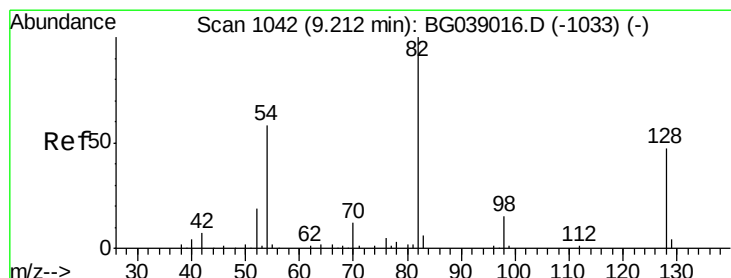
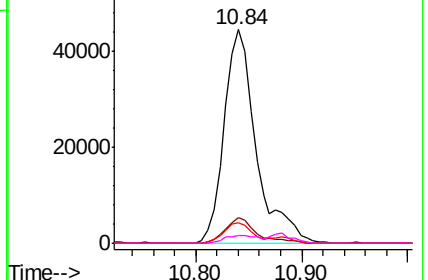
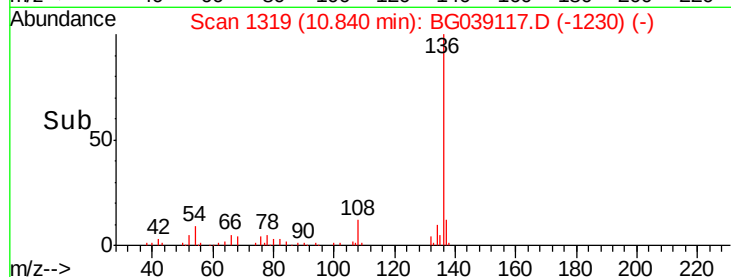


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.153 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

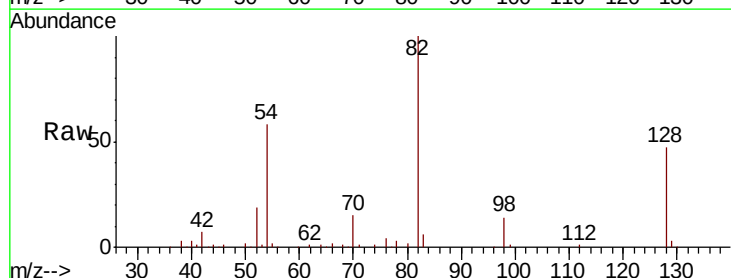
Tgt Ion: 82 Resp: 141957

Ion Ratio Lower Upper

82 100

128 46.6 37.3 55.9

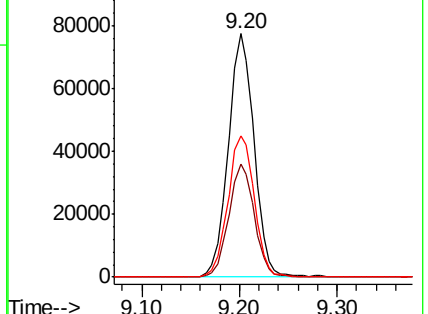
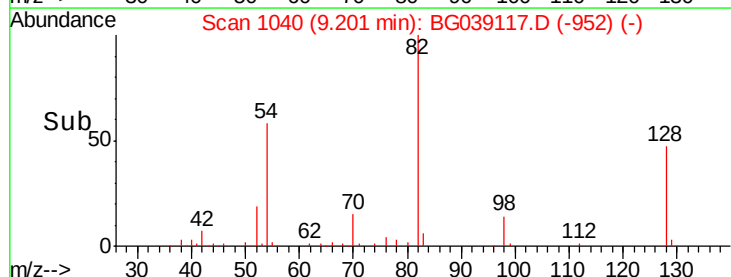
54 58.0 46.4 69.6

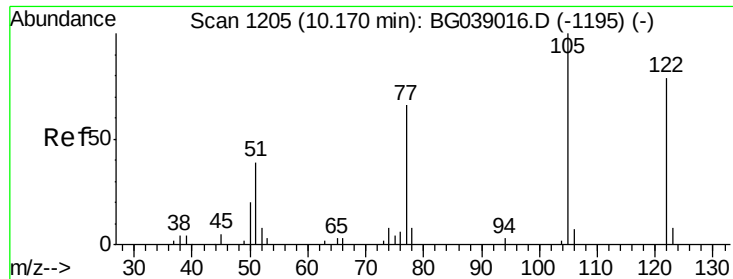


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.521 ng

RT: 10.27 min Scan# 1222

Delta R.T. 0.10 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampleId :

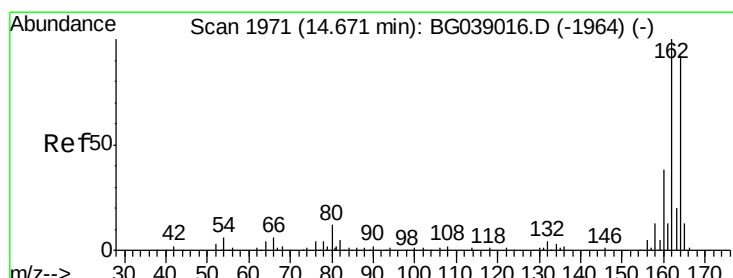
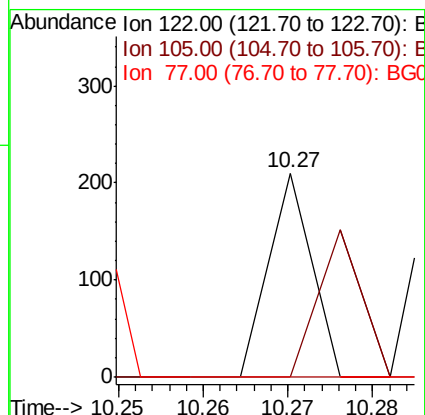
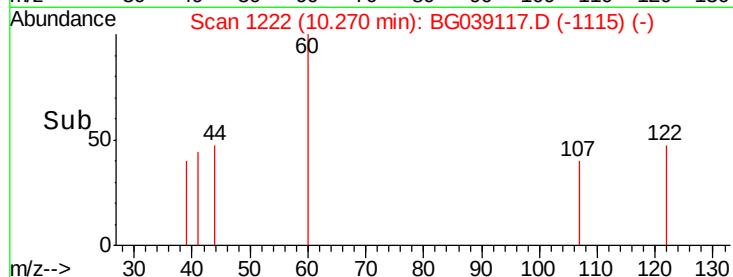
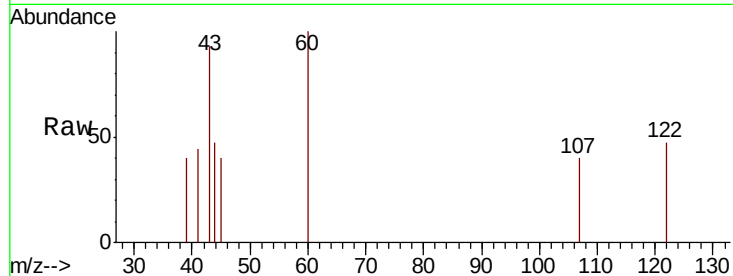
Tot Ion:122 Resp: 74

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

77 0.0 63.6 103.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

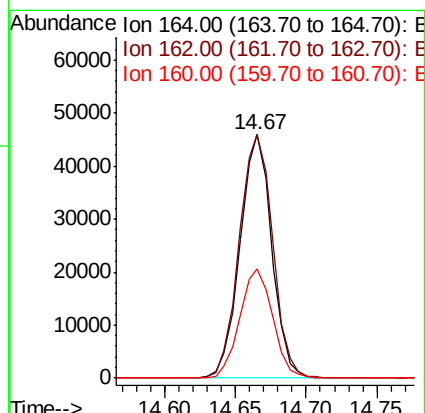
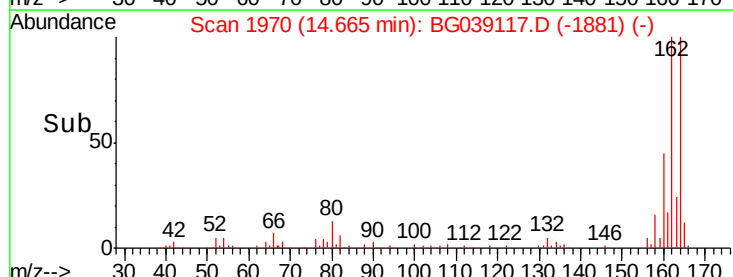
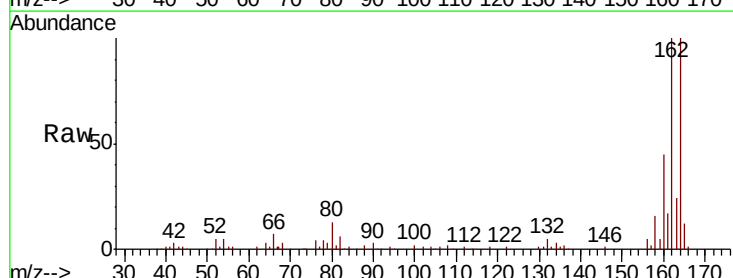
Tgt Ion:164 Resp: 71940

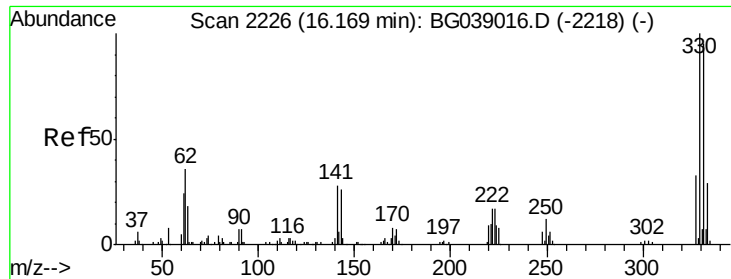
Ion Ratio Lower Upper

164 100

162 99.9 87.2 130.8

160 44.8 33.3 49.9

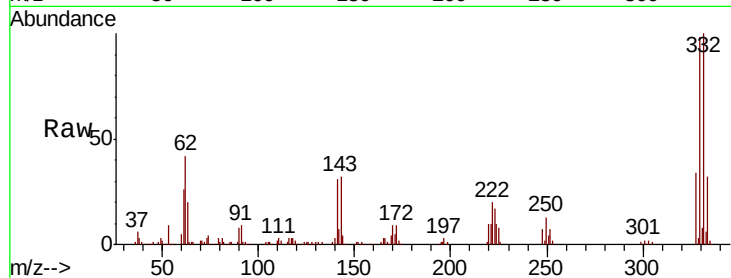




#42
 2,4,6-Tribromophenol
 Concen: 152.771 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG039117.D
 Acq: 12 Jan 2019 13:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.7	113.5
141	30.4	24.9	37.3

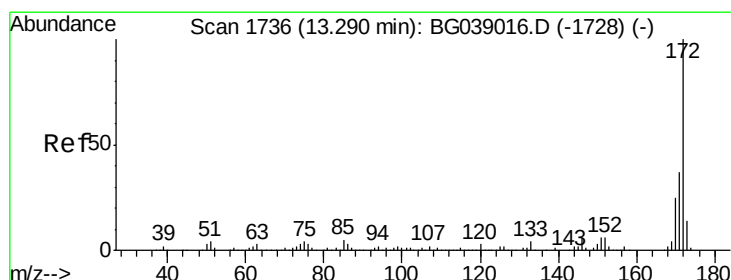
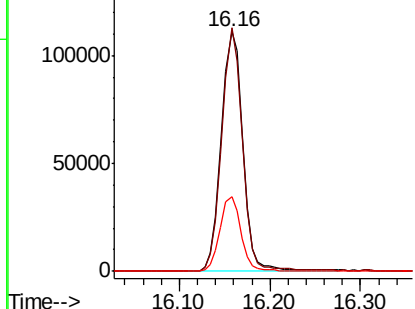
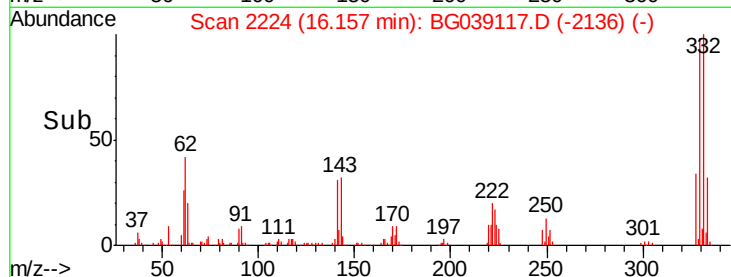


Abundance

Ion 329.80 (329.50 to 330.50): E

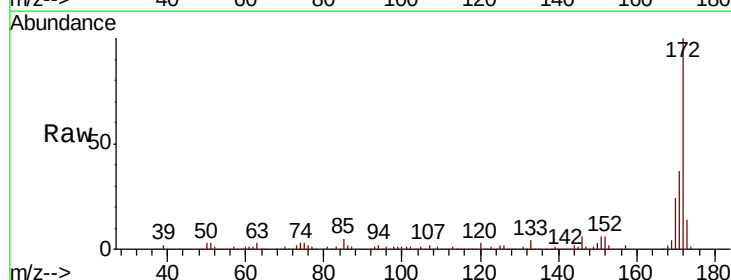
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.496 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039117.D
 Acq: 12 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	24.1	20.1	30.1

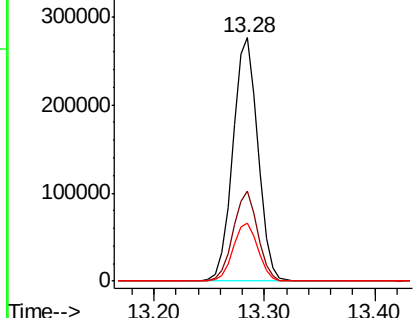
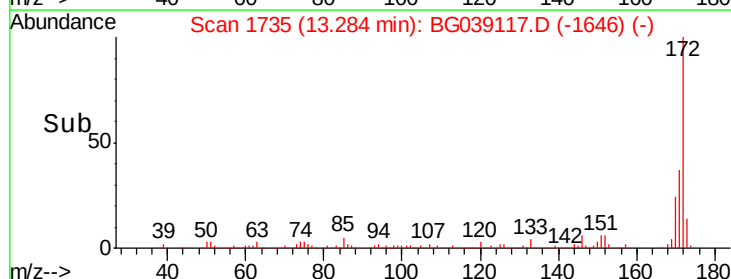


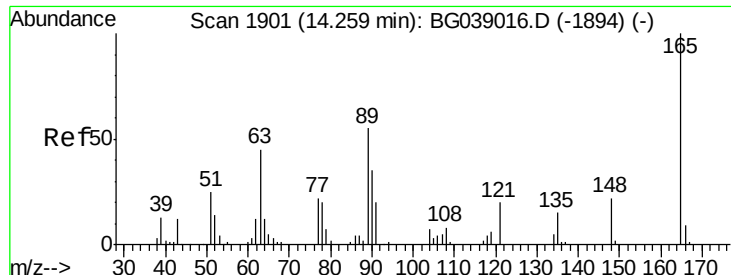
Abundance

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

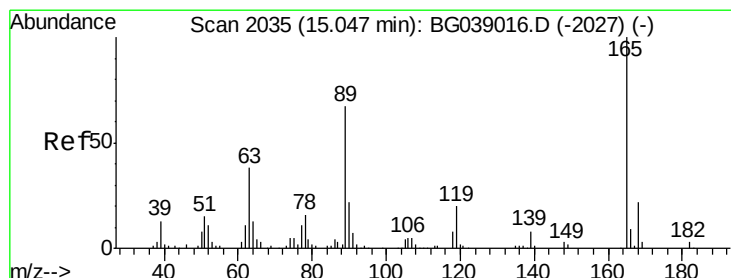
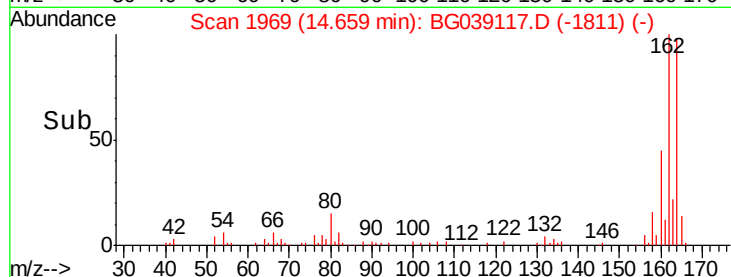
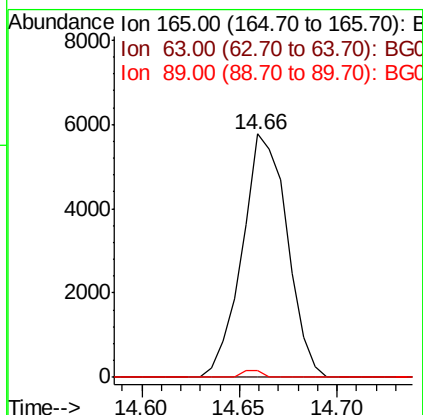
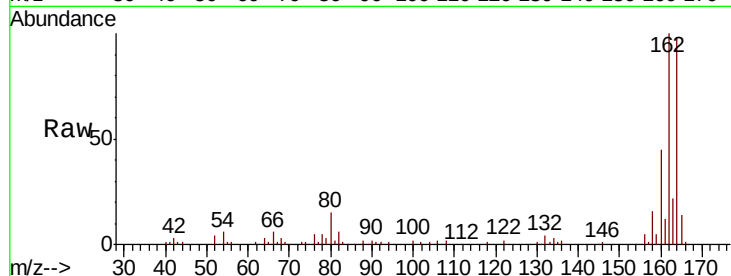




#51
 2,6-Dinitrotoluene
 Concen: 6.775 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039117.D
 Acq: 12 Jan 2019 13:45

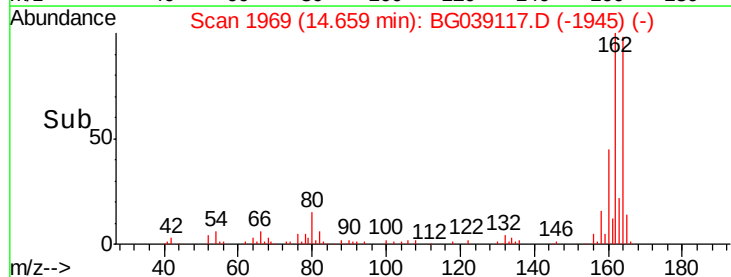
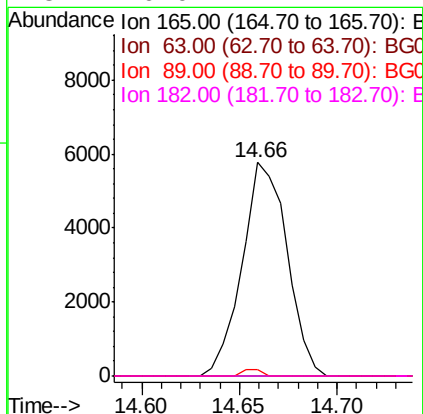
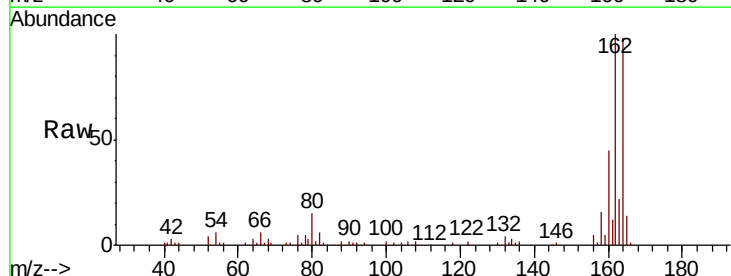
Instrument :
 BNA_G
 ClientSampleId :

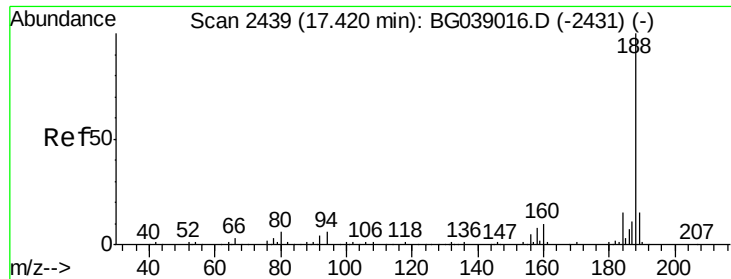
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	2.8	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 4.723 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039117.D
 Acq: 12 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	2.8	53.2	79.8#
182	0.0	2.7	4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampleId :

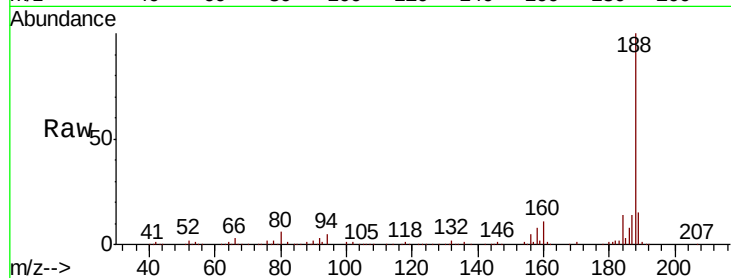
Tot Ion:188 Resp: 199109

Ion Ratio Lower Upper

188 100

94 5.4 5.0 7.4

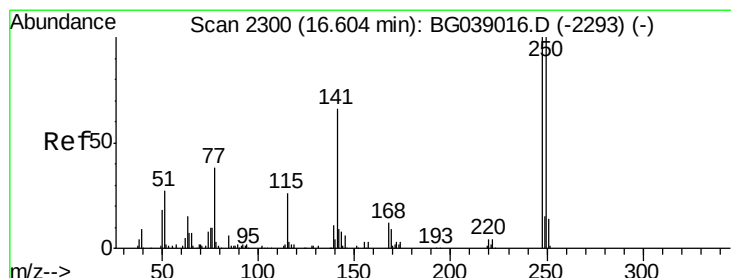
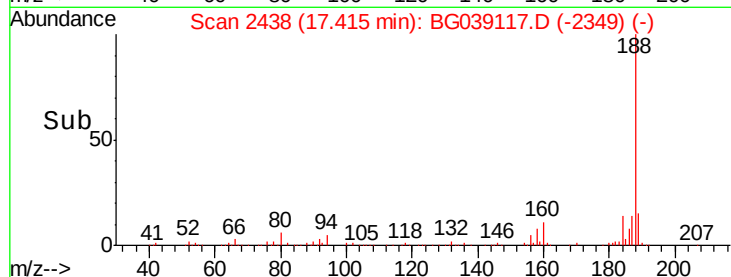
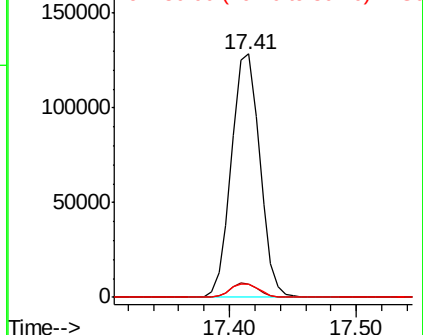
80 5.7 4.7 7.1



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



#67

4-Bromophenyl-phenylether

Concen: 4.663 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

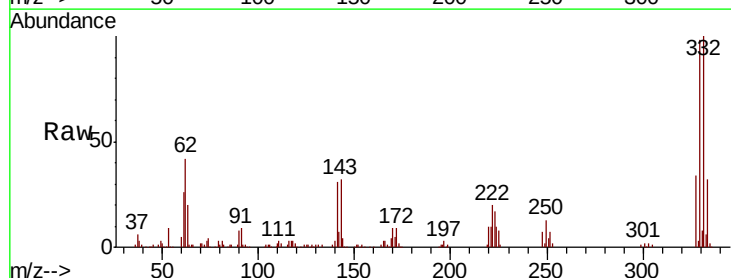
Tgt Ion:248 Resp: 11935

Ion Ratio Lower Upper

248 100

250 237.7 79.9 119.9#

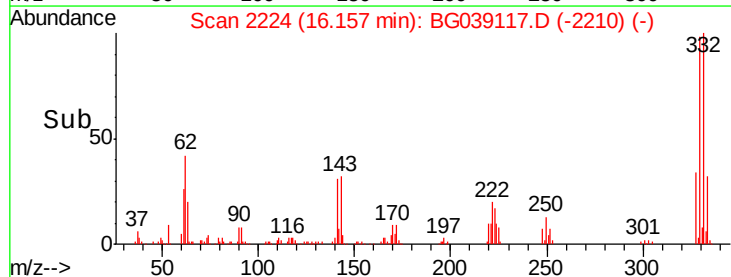
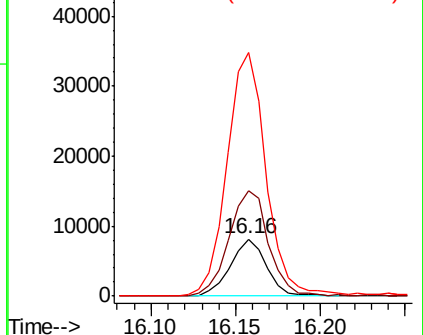
141 428.7 52.7 79.1#

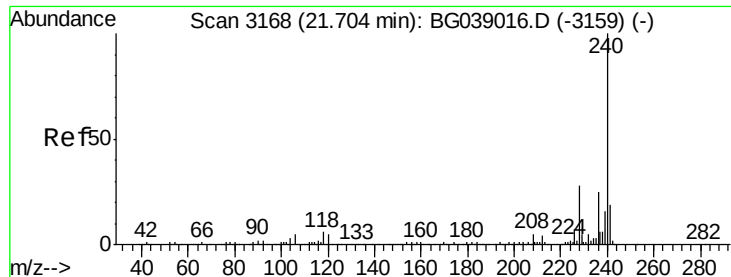


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampleId :

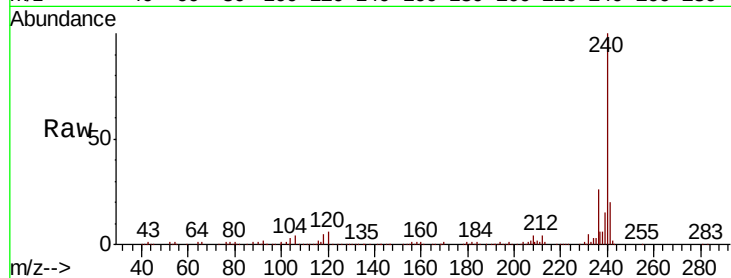
Tot Ion:240 Resp: 173272

Ion Ratio Lower Upper

240 100

120 5.7 4.3 6.5

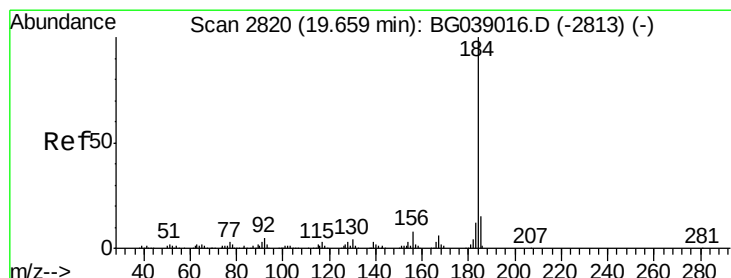
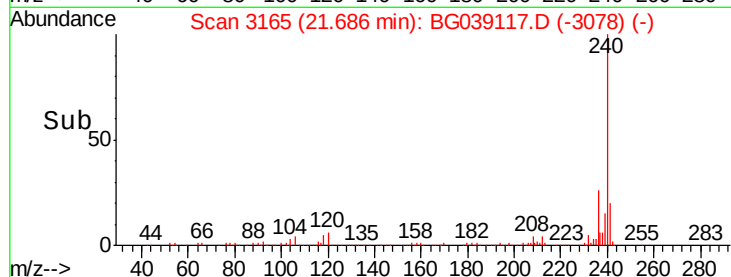
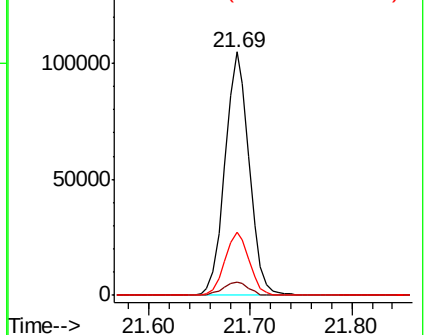
236 26.2 20.1 30.1



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: 2.809 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

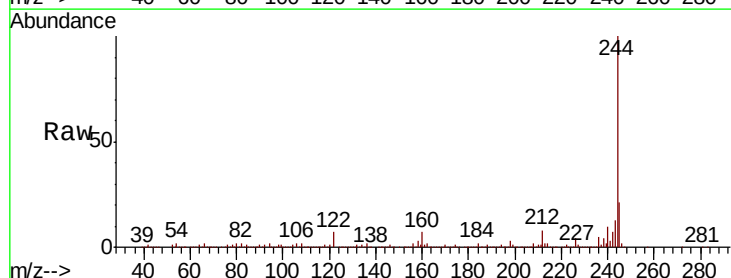
Tgt Ion:184 Resp: 14885

Ion Ratio Lower Upper

184 100

185 19.9 12.1 18.1#

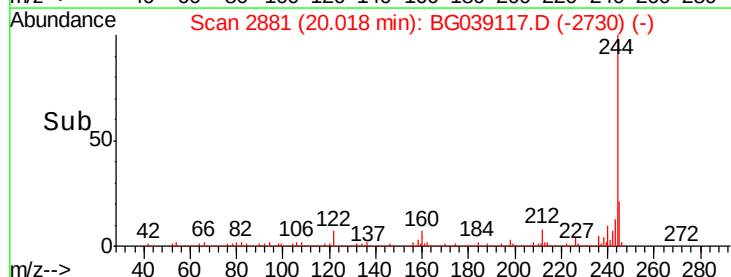
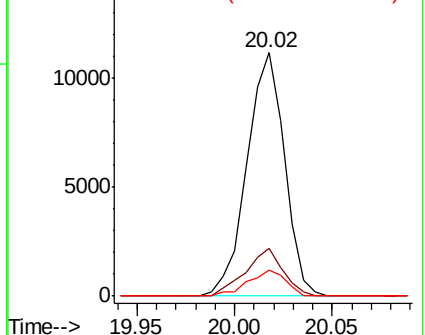
183 10.9 9.5 14.3

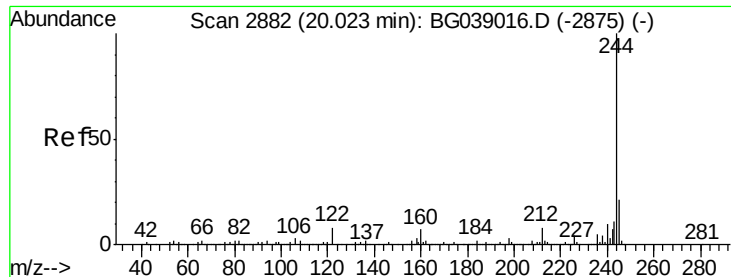


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 98.910 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

Instrument :

BNA_G

ClientSampleId :

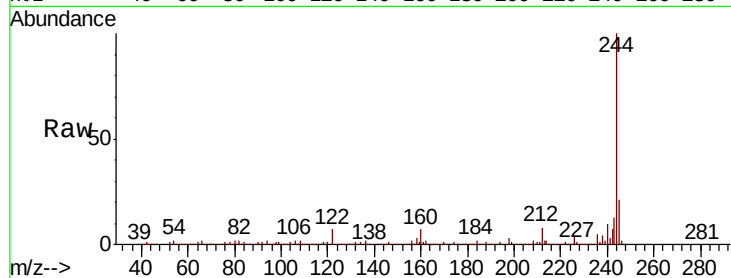
Tot Ion:244 Resp: 926446

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

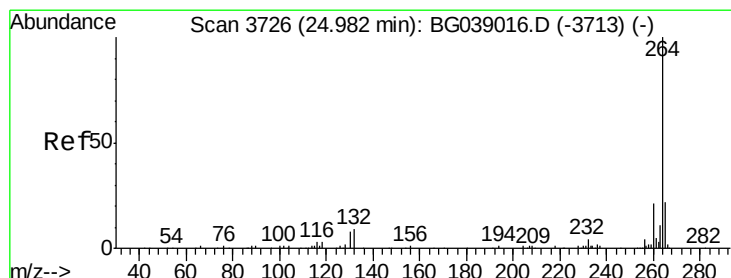
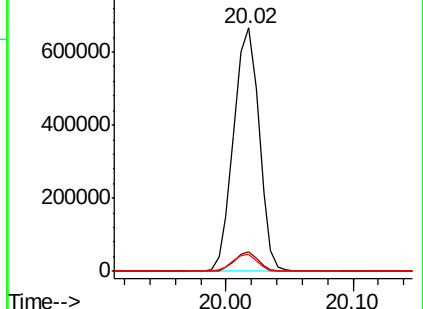
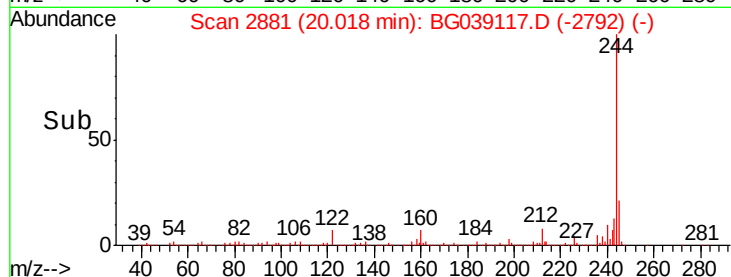
122 7.2 6.1 9.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. -0.02 min

Lab File: BG039117.D

Acq: 12 Jan 2019 13:45

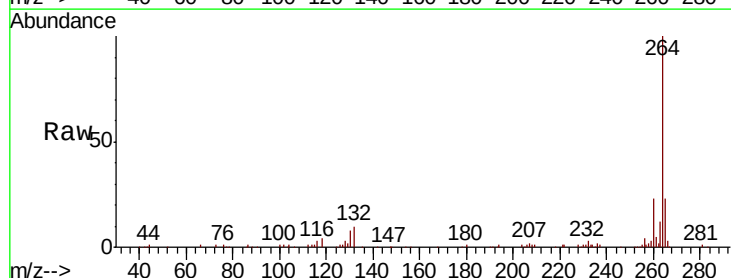
Tgt Ion:264 Resp: 184358

Ion Ratio Lower Upper

264 100

260 22.7 17.0 25.6

265 22.5 17.2 25.8



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

