

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011619\
 Data File : BG039160.D
 Acq On : 16 Jan 2019 17:00
 Operator : JU/SJ
 Sample : K1128-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 17:37:31 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 16 14:03:14 2019
 Response via : Initial Calibration

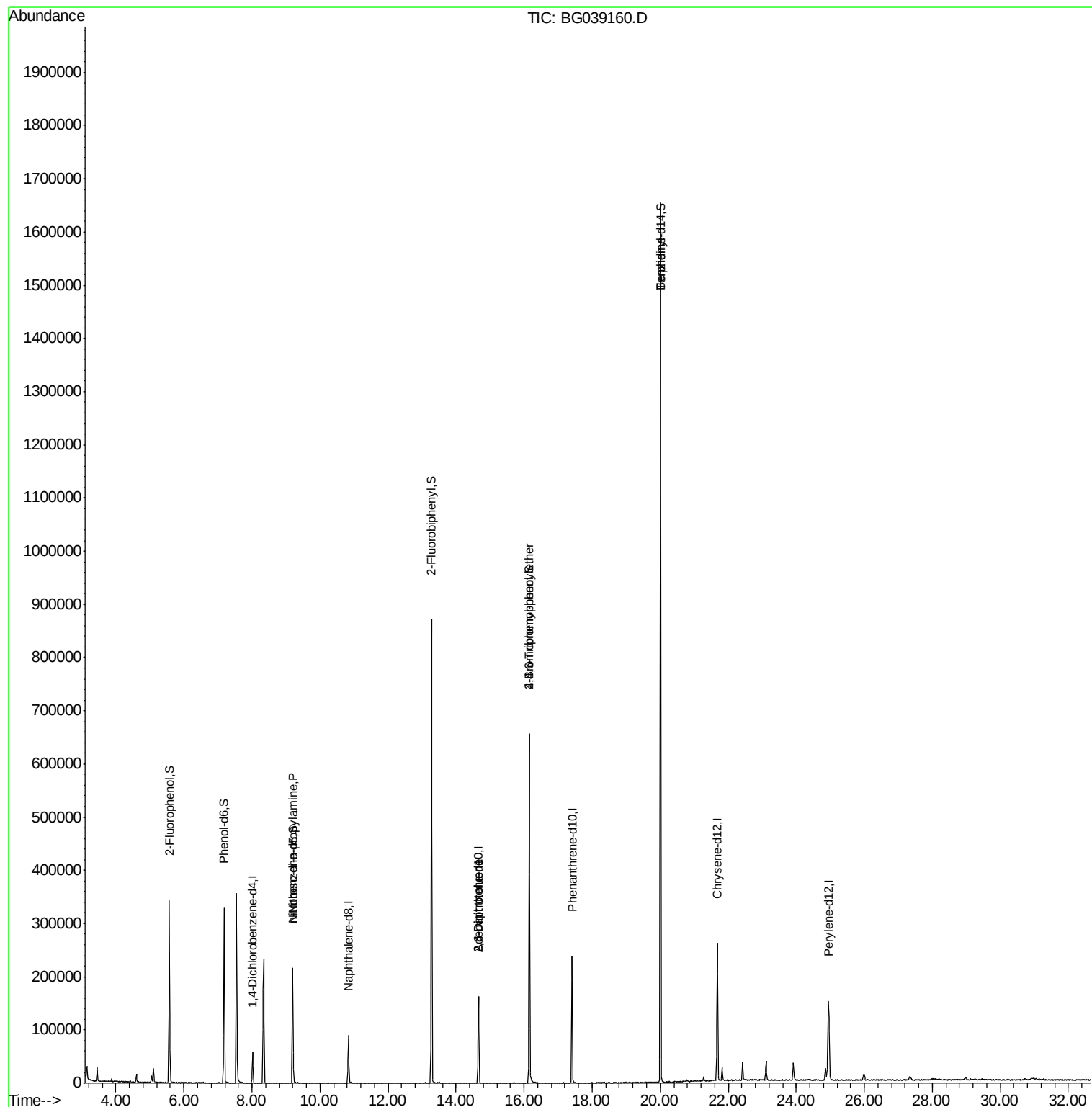
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	17975	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	80902	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	61150	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	162029	20.00	ng	0.00
76) Chrysene-d12	21.68	240	180530	20.00	ng	-0.01
87) Perylene-d12	24.95	264	190157	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	151820	160.22	ng	0.00
7) Phenol-d6	7.18	99	193409	141.83	ng	0.00
23) Nitrobenzene-d5	9.20	82	138702	93.81	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	148161	144.54	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	479255	107.26	ng	0.00
79) Terphenyl-d14	20.01	244	881981	90.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	18813	21.009	ng	# 68
51) 2,6-Dinitrotoluene	14.66	165	7831	6.778	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7831	4.725	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	9572	4.596	ng	# 1
77) Benzidine	20.01	184	13658	2.474	ng	# 92

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

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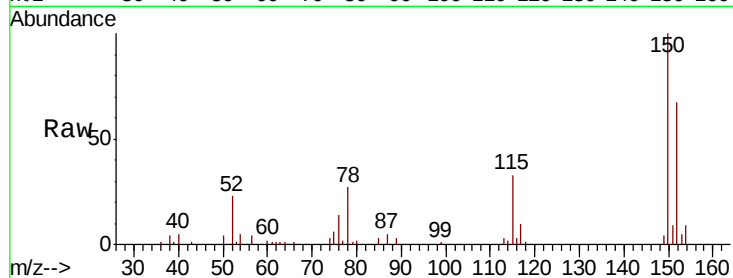


#1

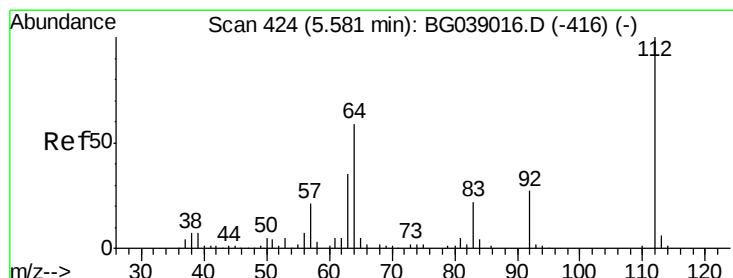
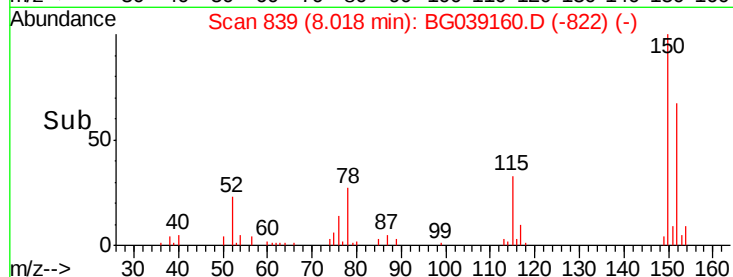
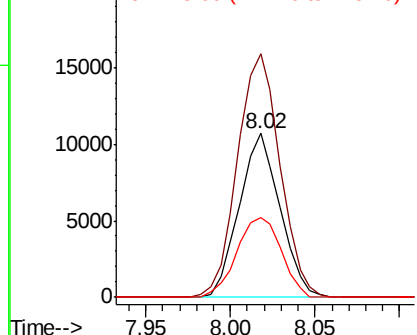
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BG039160.D
Acq: 16 Jan 2019 17:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 17975
Ion Ratio Lower Upper
152 100
150 148.7 124.7 187.1
115 49.0 46.5 69.7



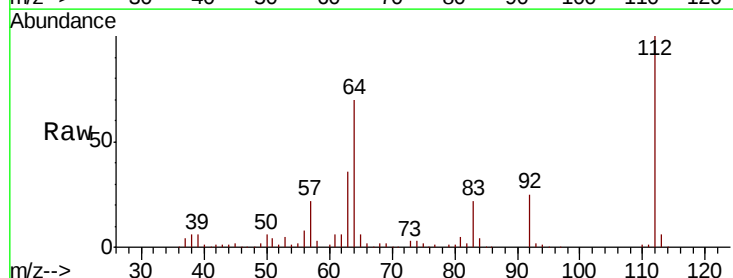
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



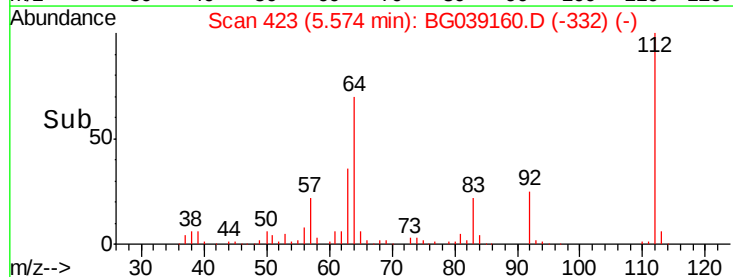
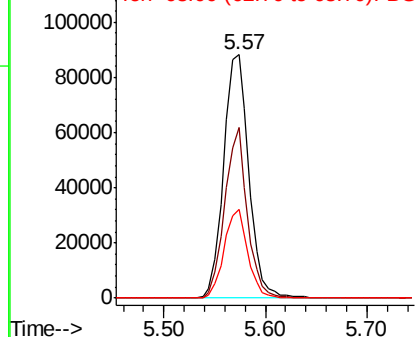
#5

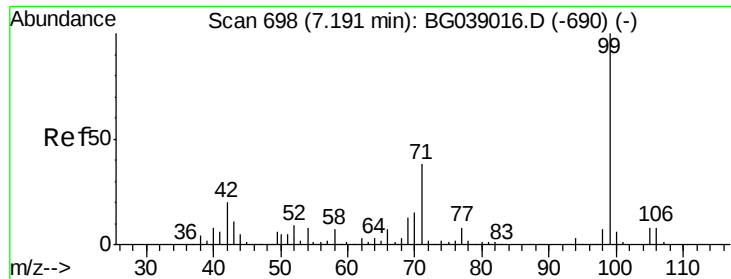
2-Fluorophenol
Concen: 160.222 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG039160.D
Acq: 16 Jan 2019 17:00

Tgt Ion:112 Resp: 151820
Ion Ratio Lower Upper
112 100
64 70.3 47.0 70.6
63 36.2 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: 141.831 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

Instrument :

BNA_G

ClientSampled :

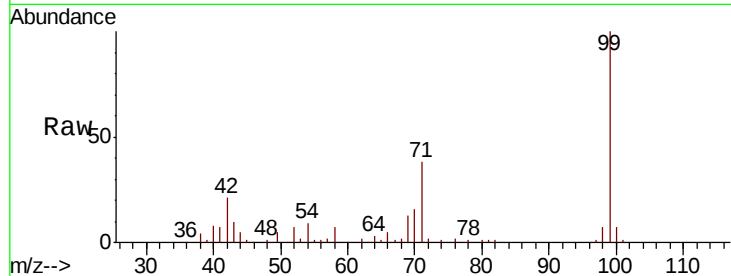
Tot Ion: 99 Resp: 193409

Ion Ratio Lower Upper

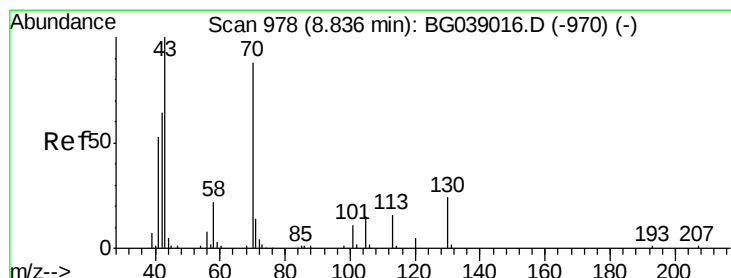
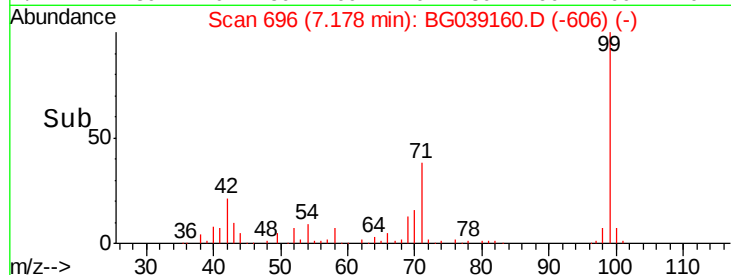
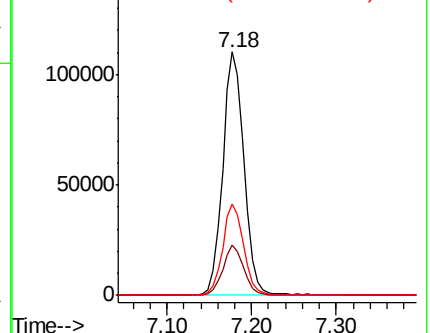
99 100

42 20.7 15.8 23.6

71 37.6 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: 21.009 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.38 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

Tgt Ion: 70 Resp: 18813

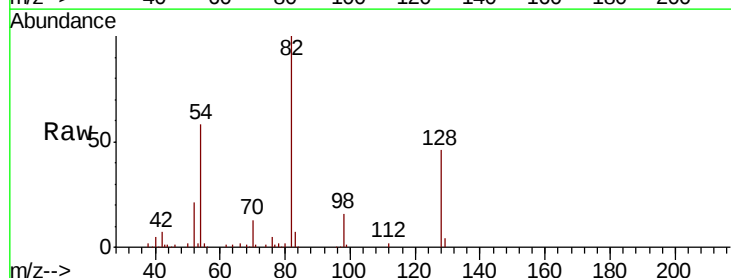
Ion Ratio Lower Upper

70 100

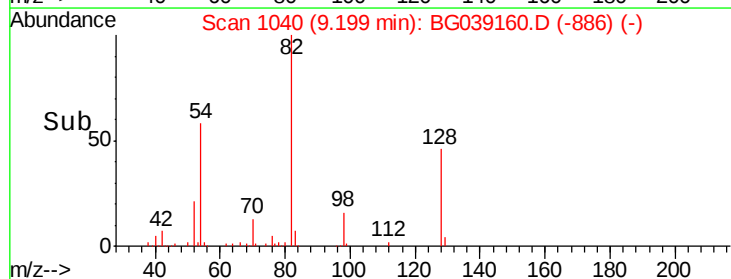
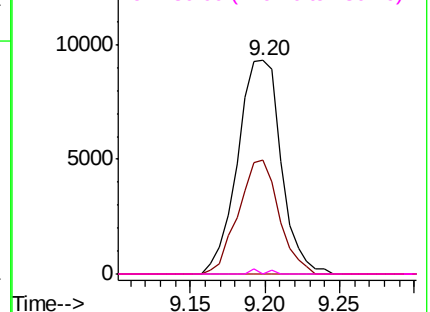
42 53.6 59.0 88.4#

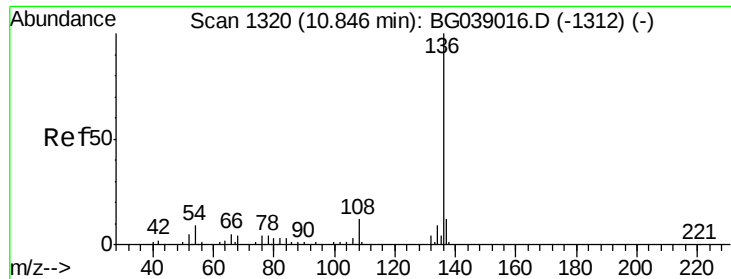
101 0.0 10.4 15.6#

130 0.0 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

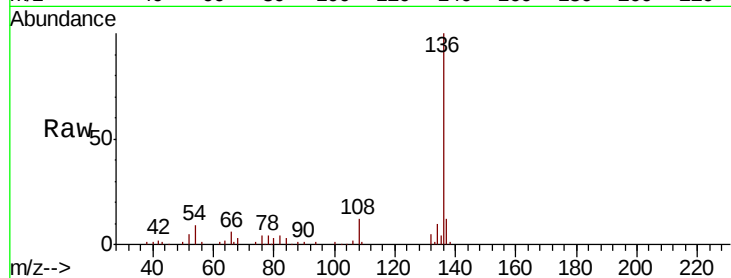




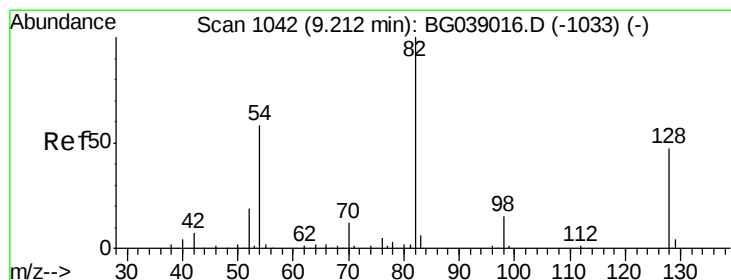
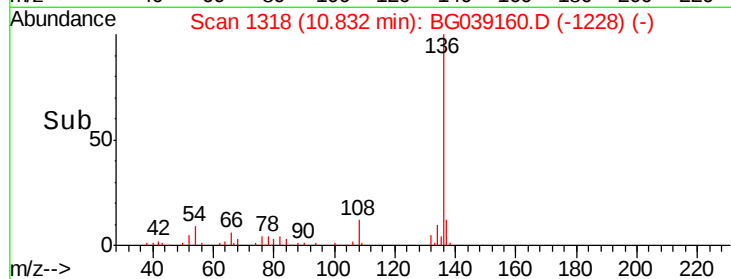
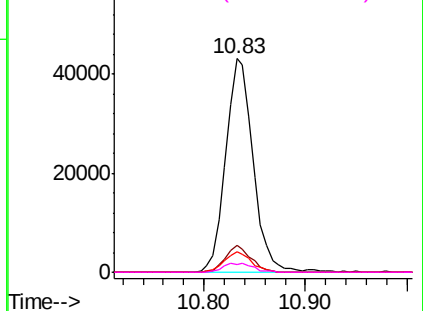
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039160.D
Acq: 16 Jan 2019 17:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	80902
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.4 14.2
54	9.3	7.2 10.8
68	3.4	3.5 5.3#

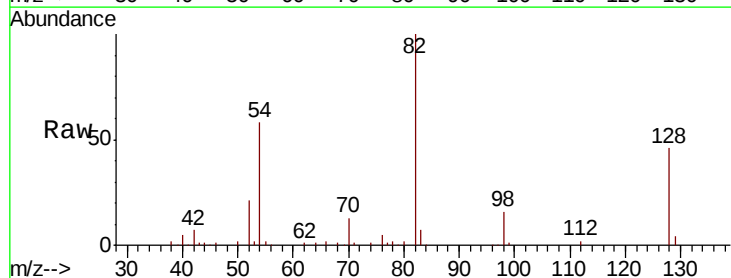


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

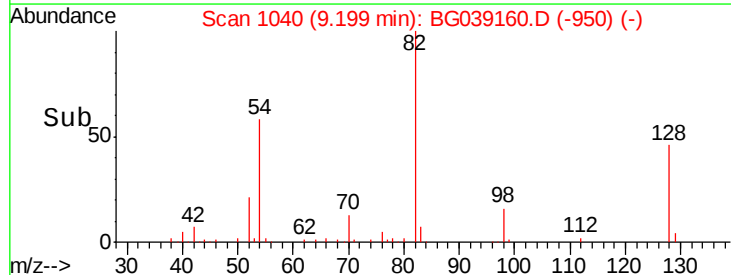
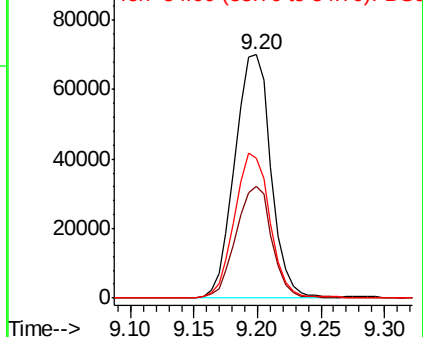


#23
Nitrobenzene-d5
Concen: 93.814 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BG039160.D
Acq: 16 Jan 2019 17:00

Tgt Ion: 82	Resp:	138702
Ion Ratio	Lower	Upper
82	100	
128	46.1	37.3 55.9
54	57.6	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

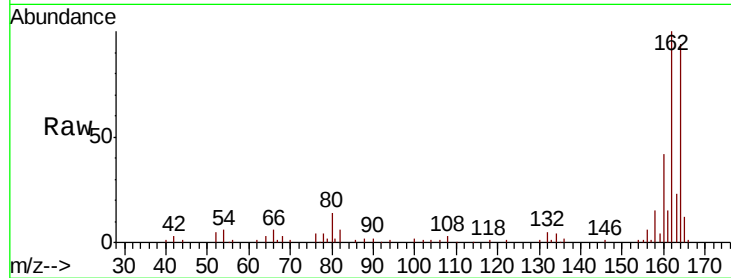
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 61150

Ion	Ratio	Lower	Upper
164	100		
162	106.2	87.2	130.8
160	44.6	33.3	49.9

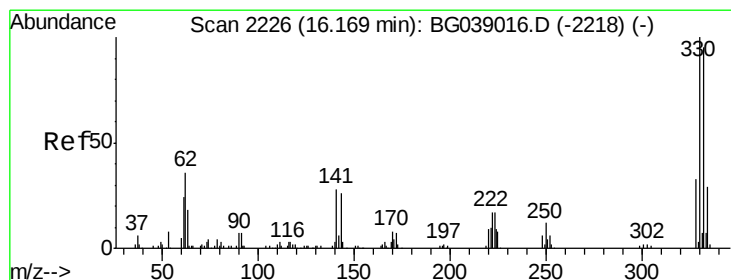
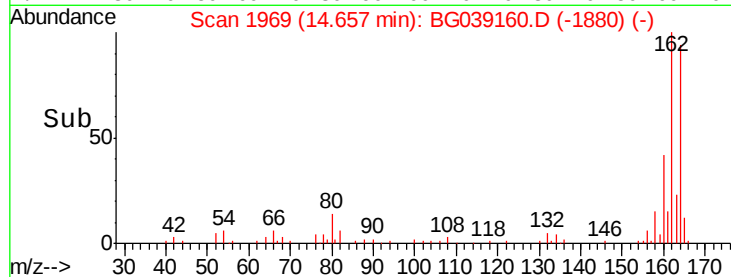
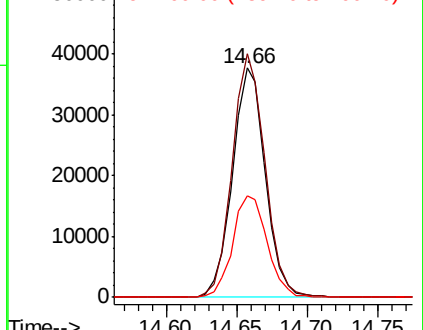


Abundance

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: 144.541 ng

RT: 16.15 min Scan# 2223

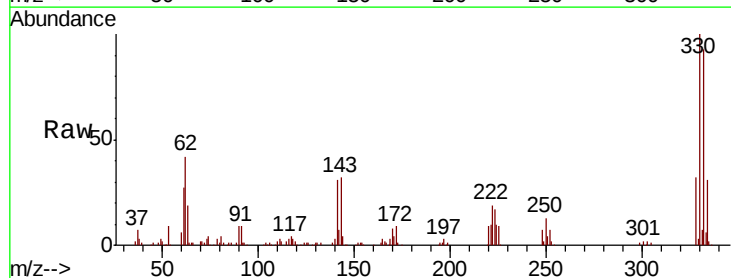
Delta R.T. -0.01 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

Tgt Ion:330 Resp: 148161

Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.7	113.5
141	30.2	24.9	37.3

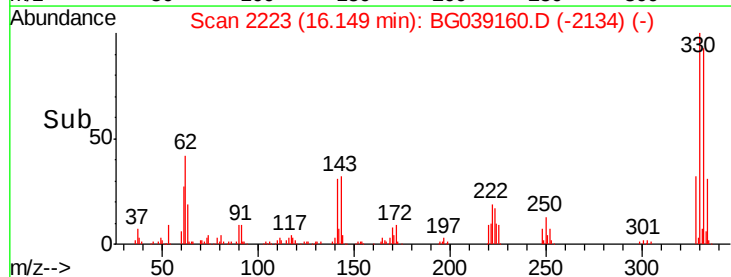
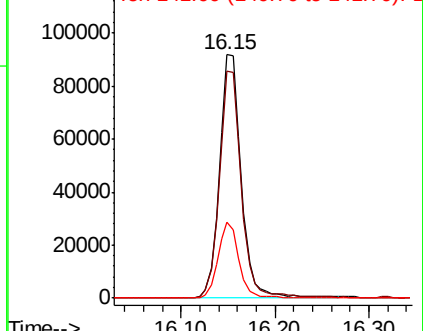


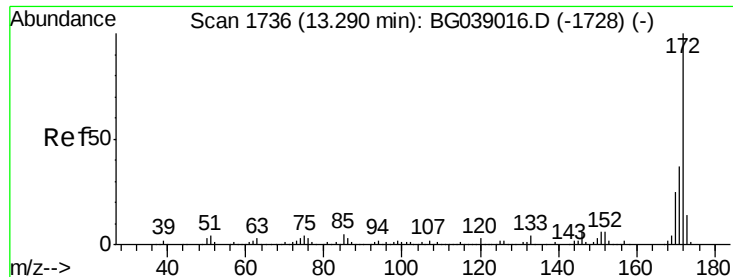
Abundance

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

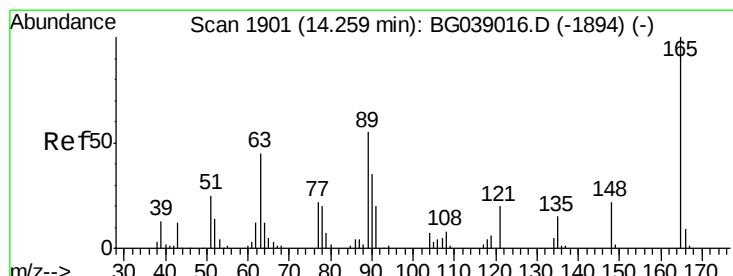
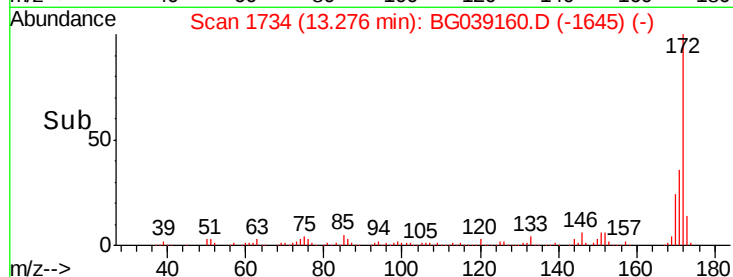
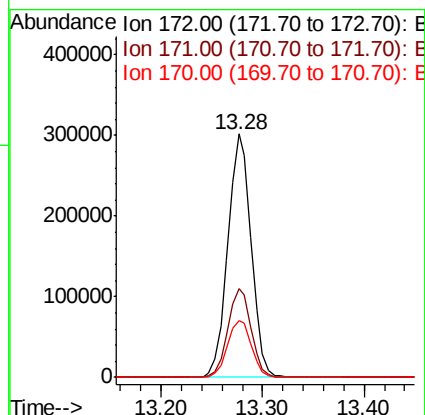
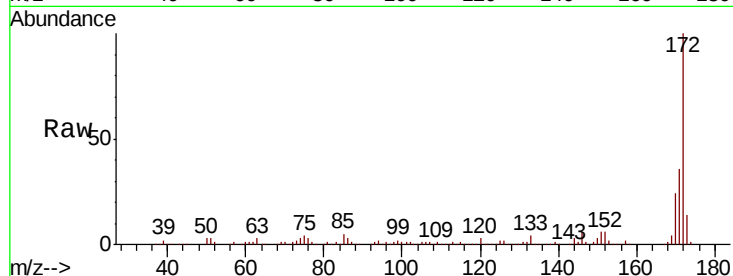




#45
 2-Fluorobiphenyl
 Concen: 107.259 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

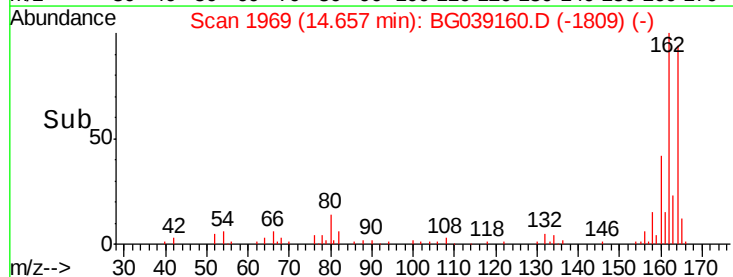
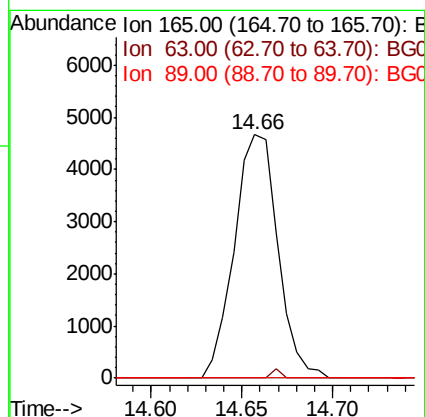
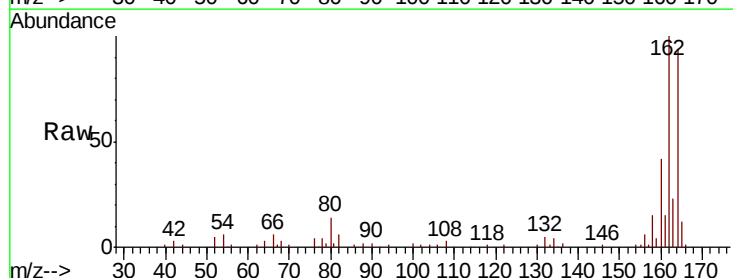
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	23.6	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.778 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.41 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

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

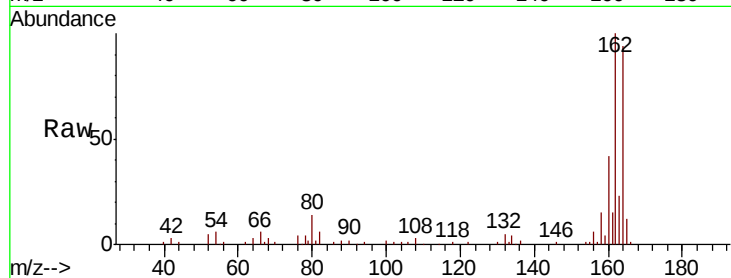




#57
 2,4-Dinitrotoluene
 Concen: 4.725 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.38 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

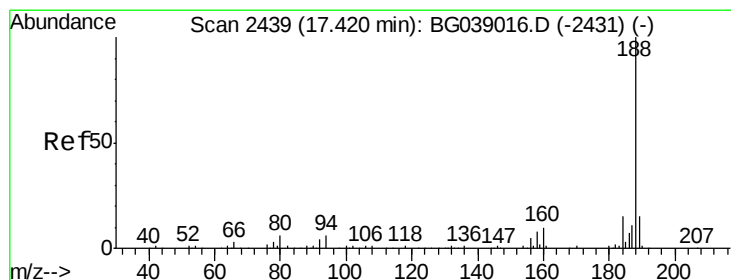
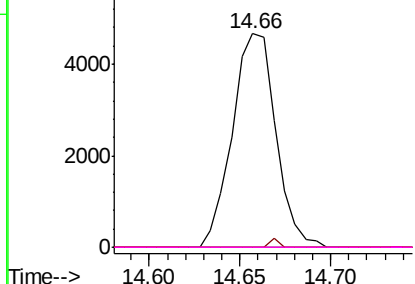
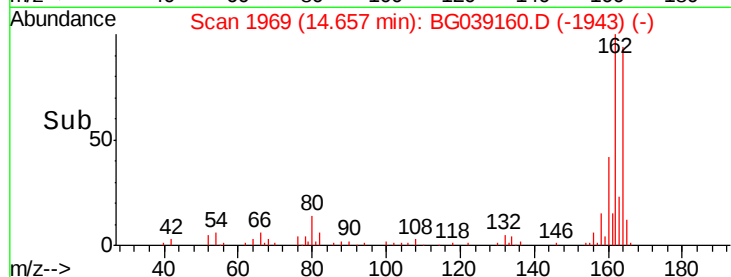


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

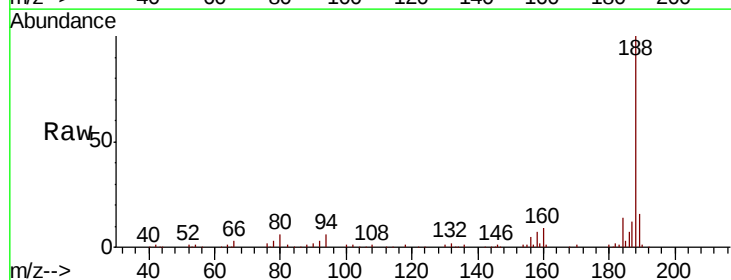
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

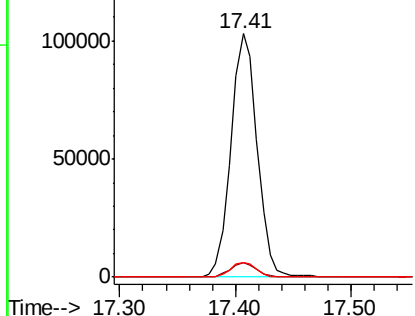
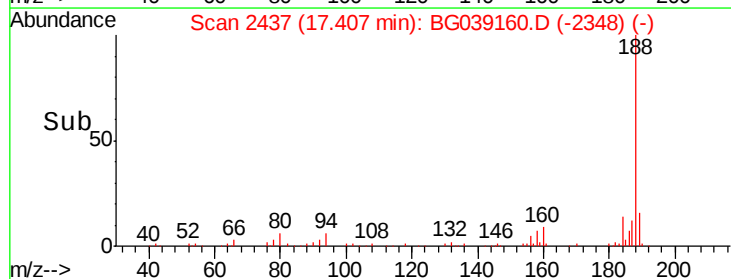
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.0	7.4
80	6.1	4.7	7.1

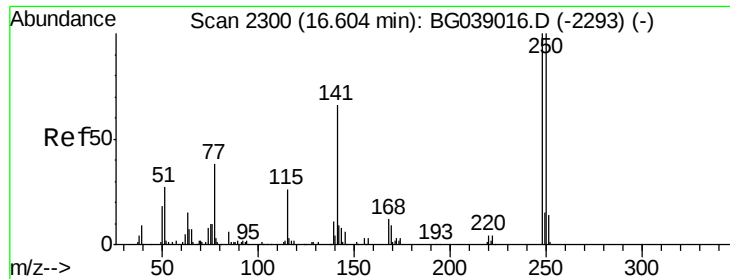


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

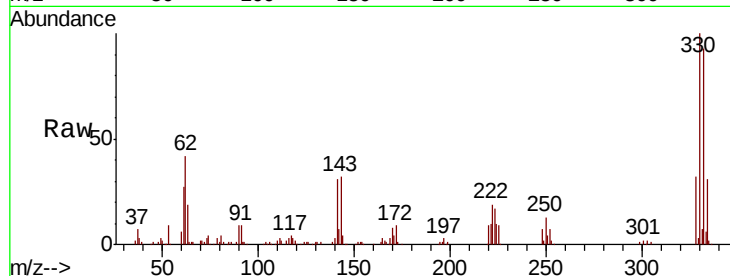




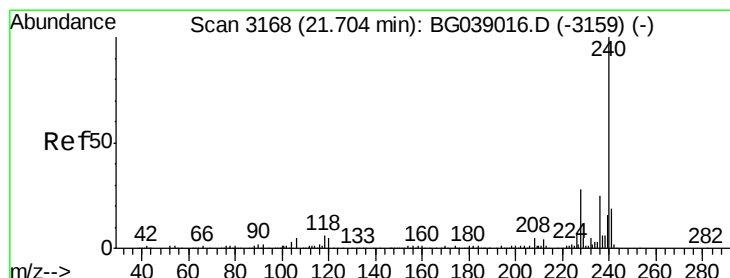
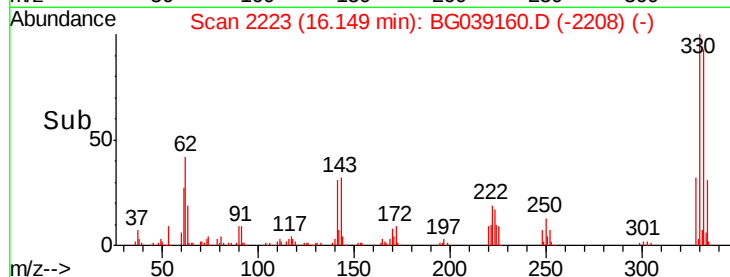
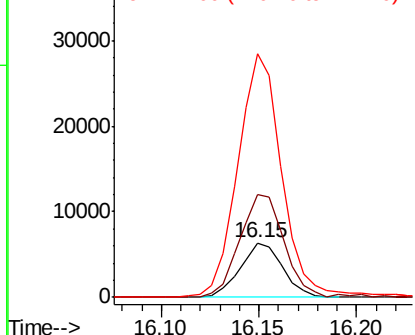
#67
 4-Bromophenyl-phenylether
 Concen: 4.596 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.44 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9572
 Ion Ratio Lower Upper
 248 100
 250 185.7 79.9 119.9#
 141 338.6 52.7 79.1#

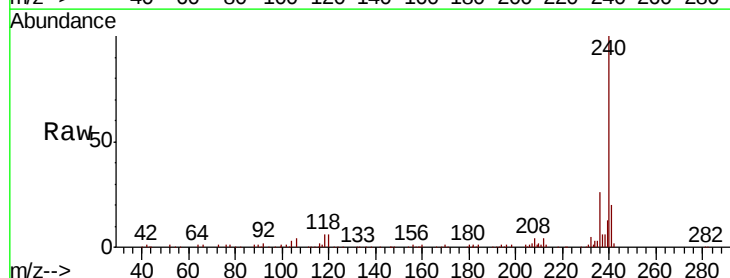


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

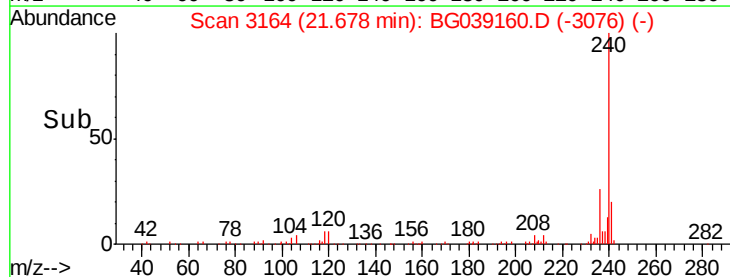
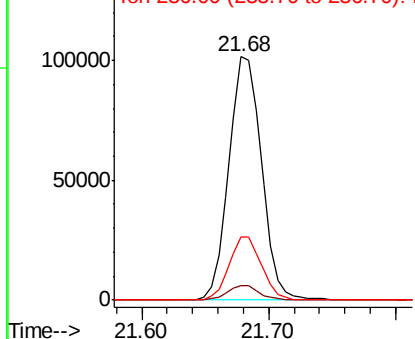


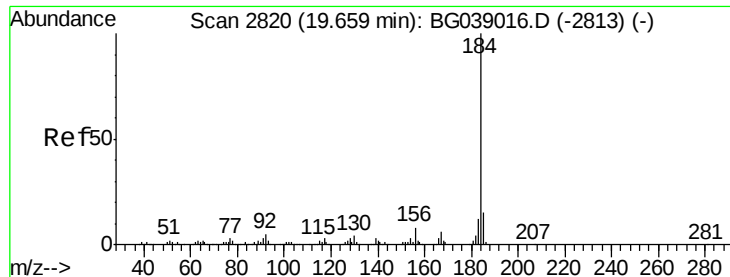
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

Tgt Ion:240 Resp: 180530
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.3 6.5
 236 25.7 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: 2.474 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.36 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

Instrument :

BNA_G

ClientSampleId :

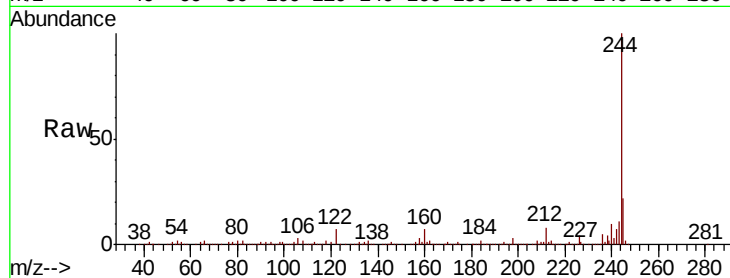
Tot Ion:184 Resp: 13658

Ion Ratio Lower Upper

184 100

185 18.3 12.1 18.1#

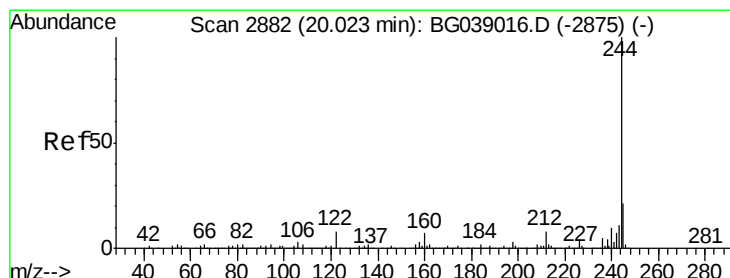
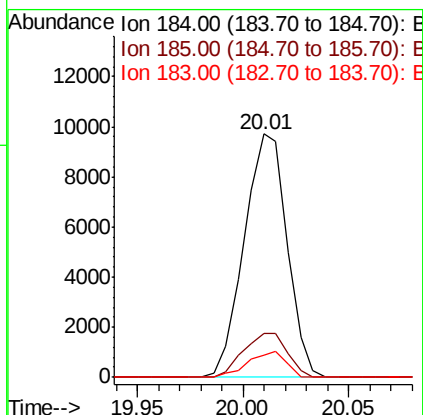
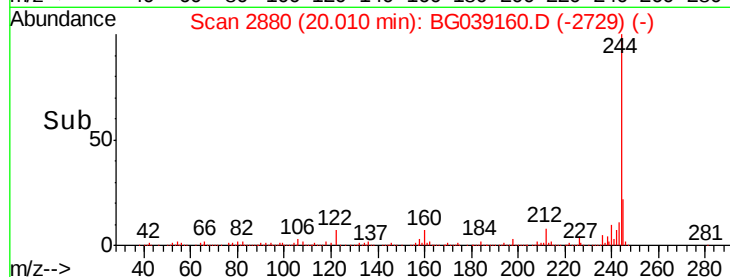
183 9.0 9.5 14.3#



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: 90.377 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG039160.D

Acq: 16 Jan 2019 17:00

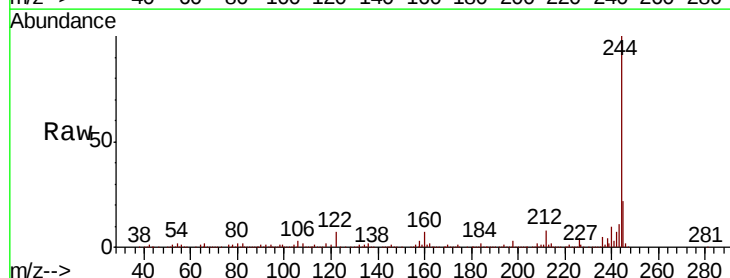
Tgt Ion:244 Resp: 881981

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

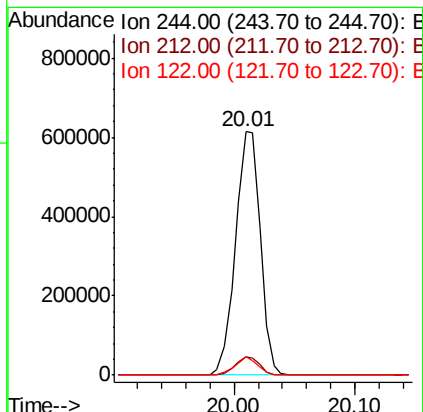
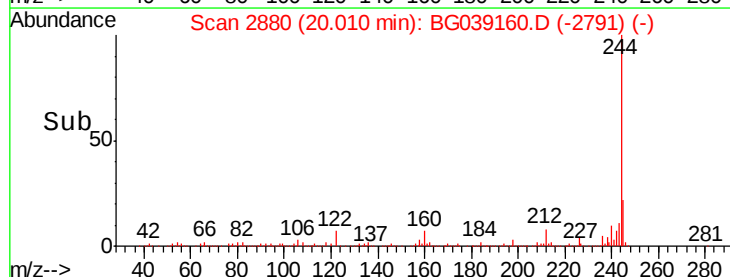
122 7.3 6.1 9.1

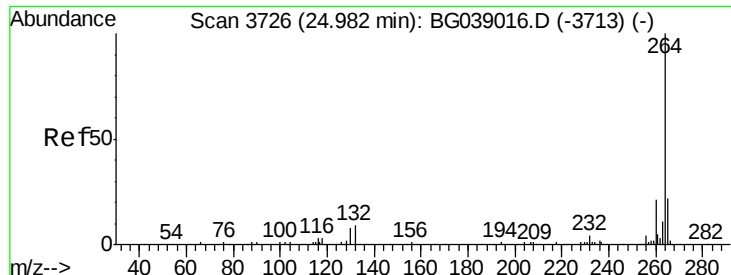


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3721
 Delta R.T. -0.01 min
 Lab File: BG039160.D
 Acq: 16 Jan 2019 17:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.0	25.6
265	21.5	17.2	25.8

