

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039210.D
 Acq On : 18 Jan 2019 8:23
 Operator : JU/SJ
 Sample : PB116454TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 10:28:03 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

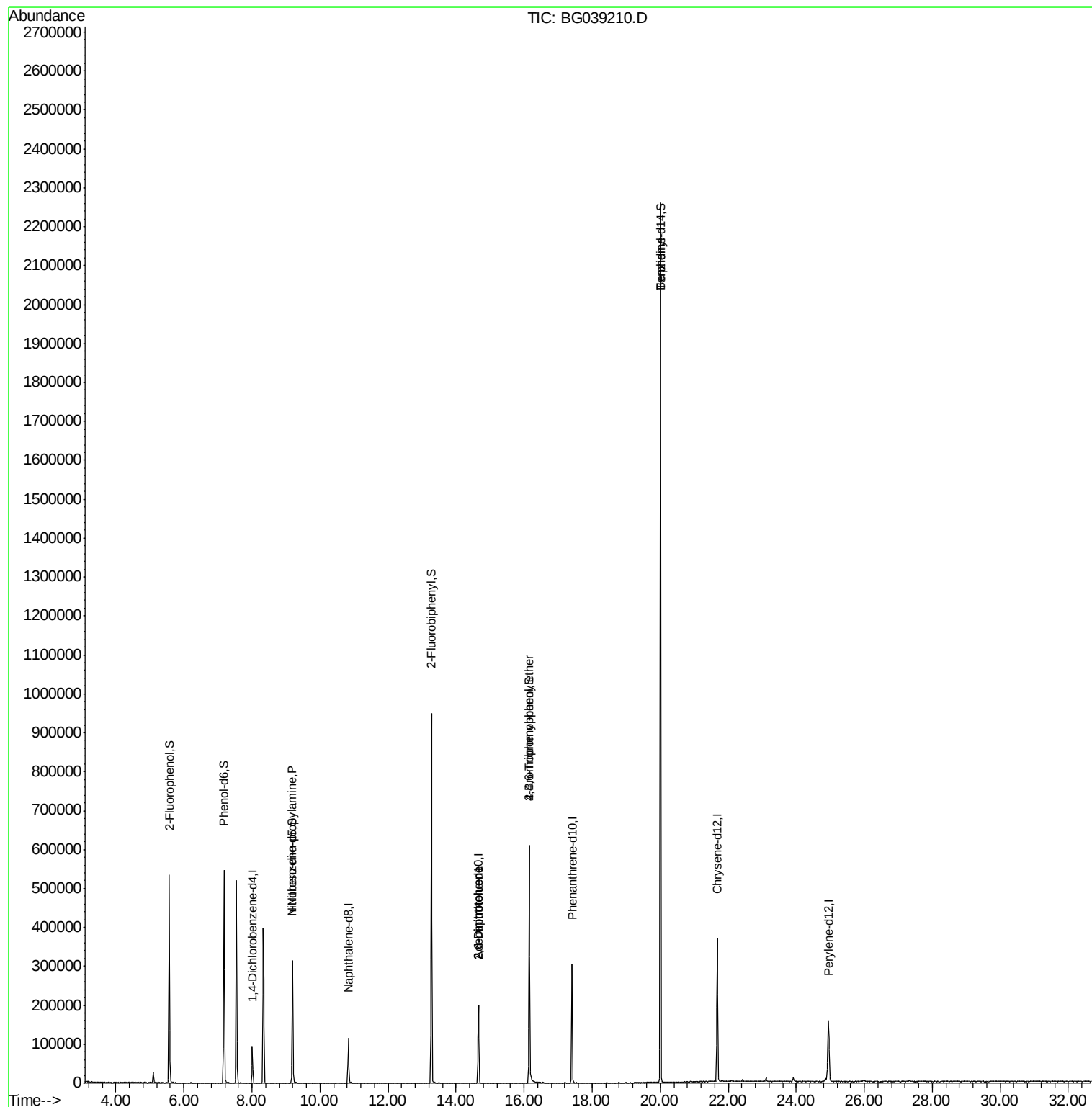
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	28157	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	114426	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77416	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	207410	20.00	ng	0.00
76) Chrysene-d12	21.68	240	235888	20.00	ng	0.00
87) Perylene-d12	24.94	264	204977	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	246557	166.11	ng	0.00
7) Phenol-d6	7.18	99	336190	157.38	ng	0.00
23) Nitrobenzene-d5	9.19	82	198818	95.08	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	140150	108.00	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	535634	94.69	ng	0.00
79) Terphenyl-d14	20.01	244	1125524	88.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	24883	17.739	ng	# 65
51) 2,6-Dinitrotoluene	14.66	165	9763	6.675	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	9763	4.653	ng	# 28
67) 4-Bromophenyl-phenylether	16.15	248	8950	3.357	ng	# 1
77) Benzidine	20.01	184	17688	2.452	ng	94

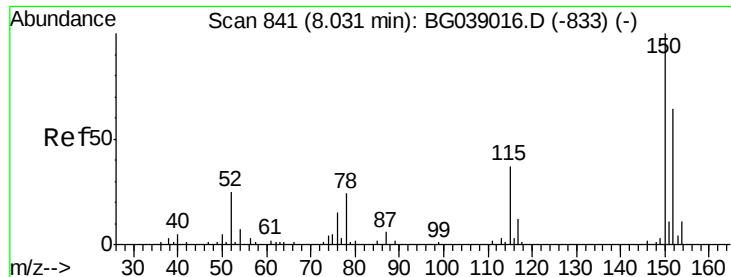
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
Data File : BG039210.D
Acq On : 18 Jan 2019 8:23
Operator : JU/SJ
Sample : PB116454TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 18 10:28:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



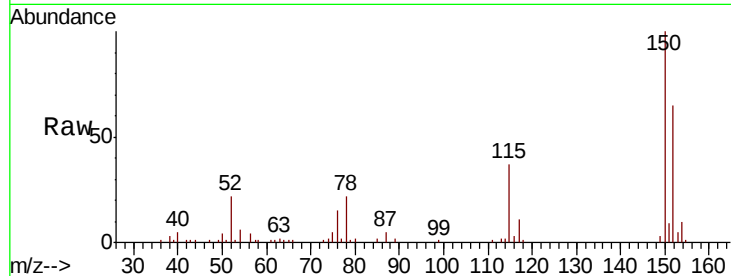


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.7	187.1
115	56.1	46.5	69.7

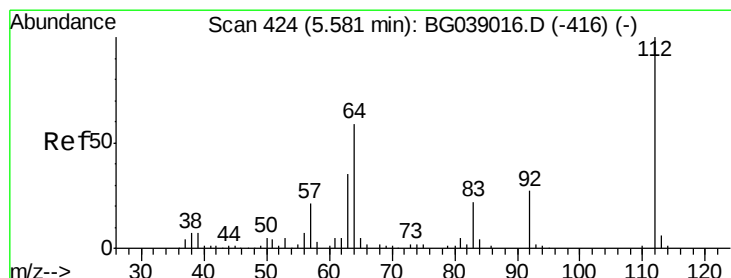
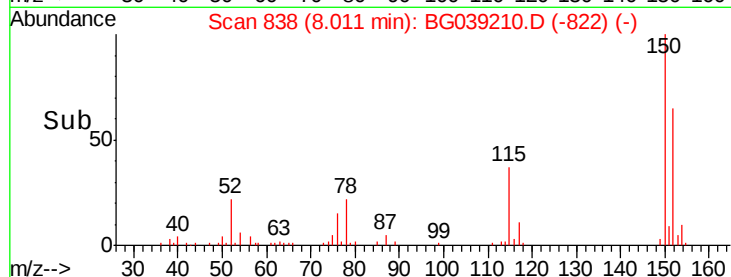
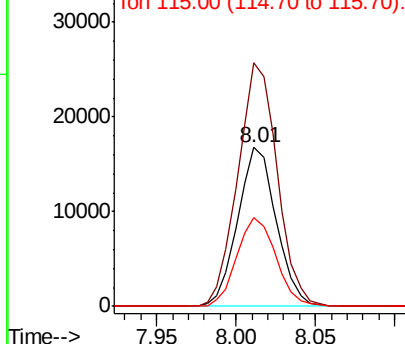


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

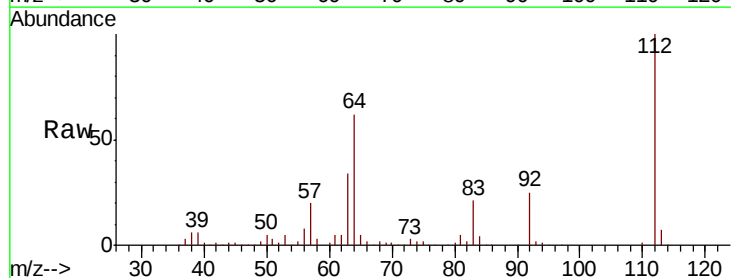
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 166.109 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.0	70.6
63	33.5	28.0	42.0

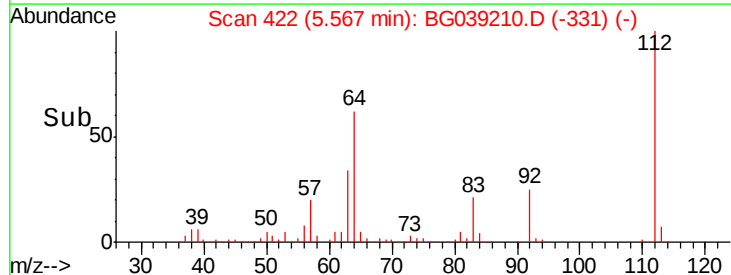
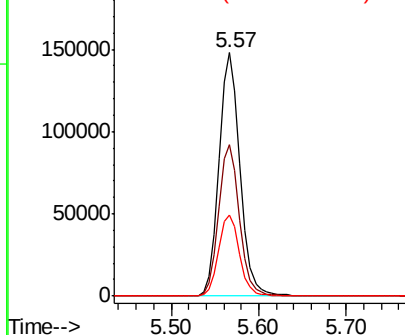


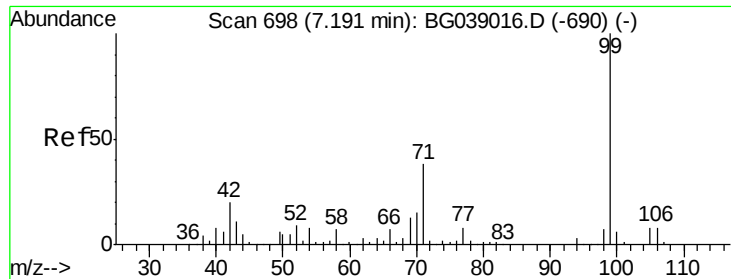
Abundance

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: 157.384 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA_G

ClientSampled :

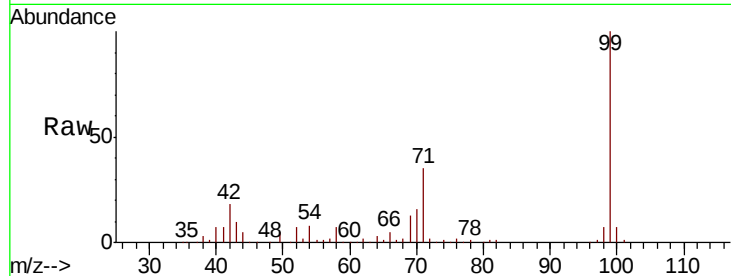
Tot Ion: 99 Resp: 336190

Ion Ratio Lower Upper

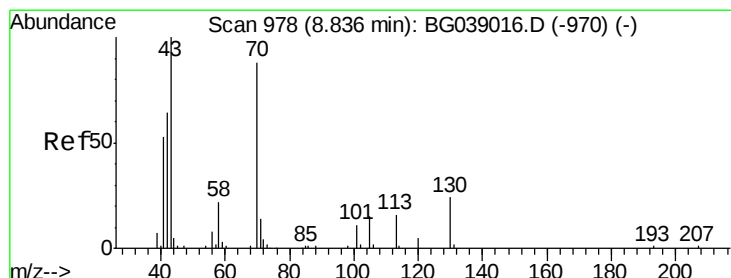
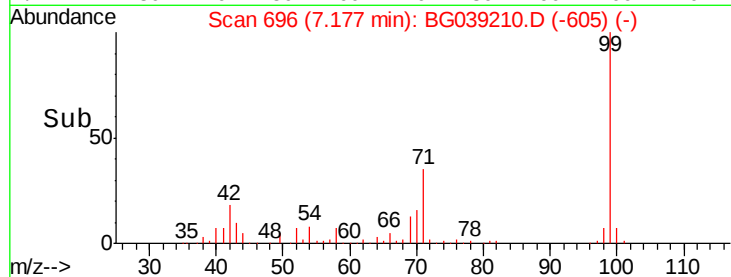
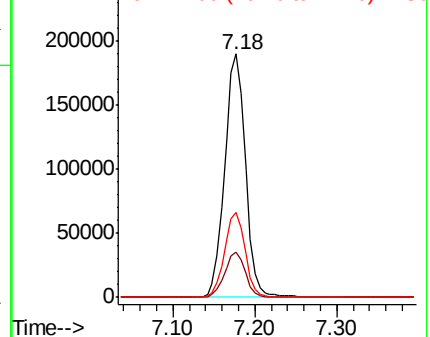
99 100

42 18.5 15.8 23.6

71 34.9 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: 17.739 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Tgt Ion: 70 Resp: 24883

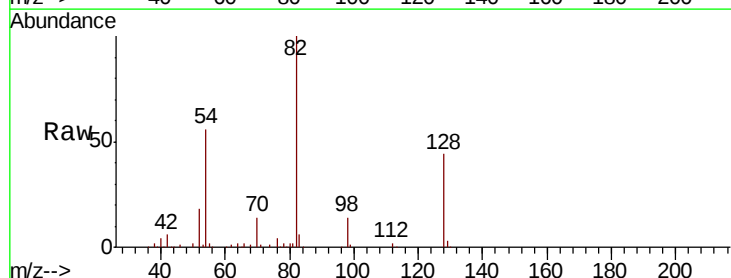
Ion Ratio Lower Upper

70 100

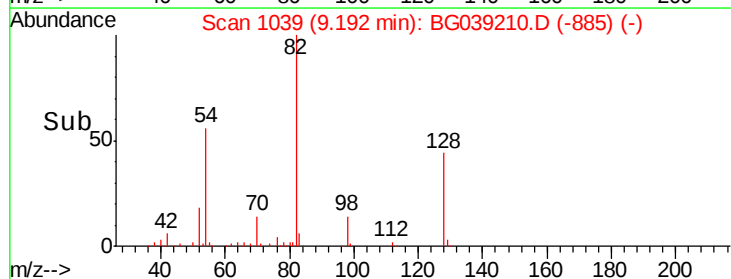
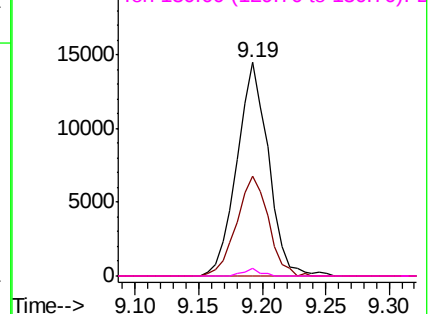
42 46.5 59.0 88.4#

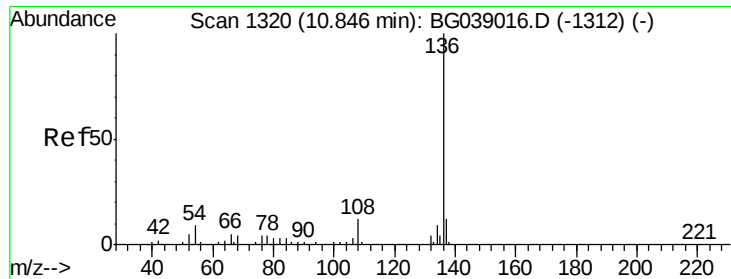
101 0.0 10.4 15.6#

130 3.3 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

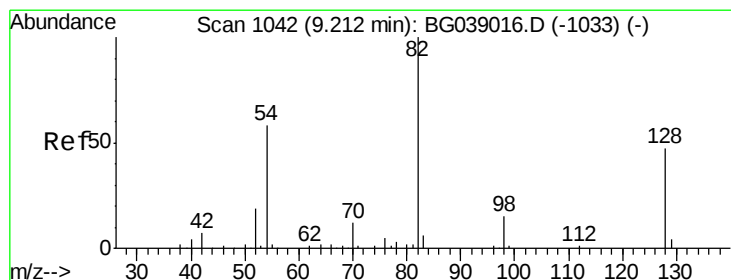
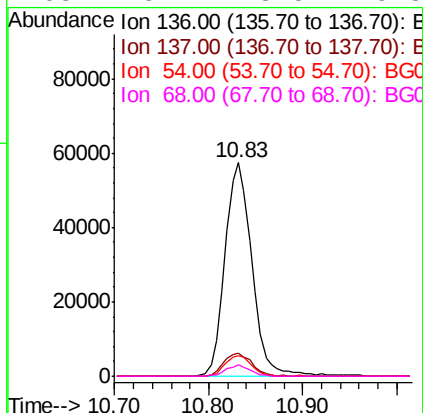
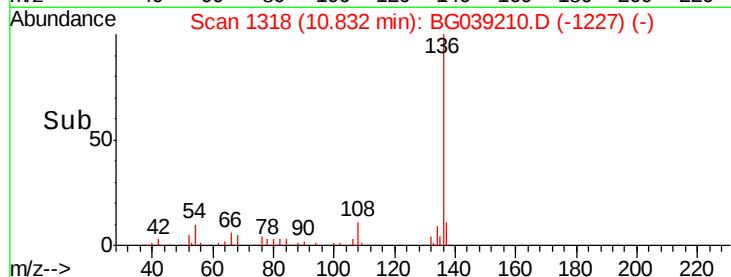
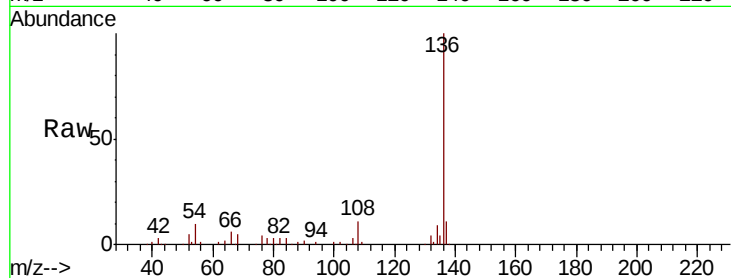




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039210.D
Acq: 18 Jan 2019 8:23

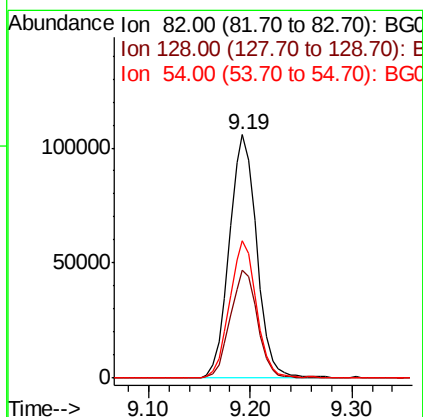
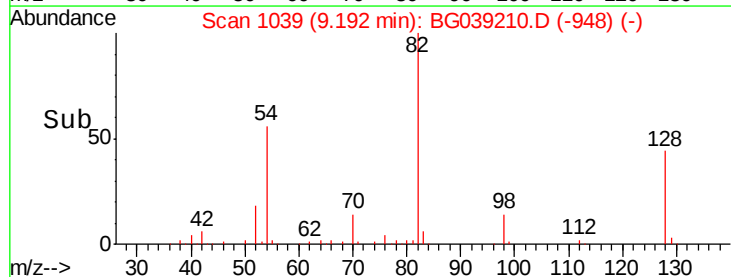
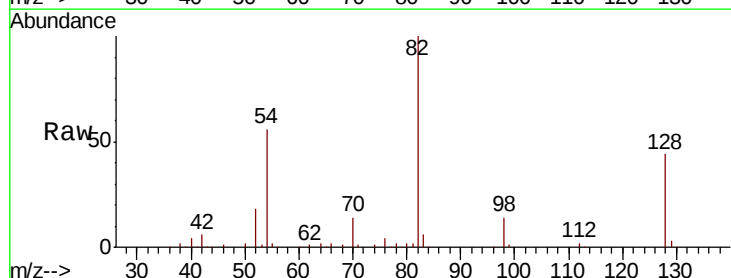
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	114426
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.4 14.2
54	9.5	7.2 10.8
68	5.2	3.5 5.3



#23
Nitrobenzene-d5
Concen: 95.076 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039210.D
Acq: 18 Jan 2019 8:23

Tgt Ion: 82	Resp:	198818
Ion Ratio	Lower	Upper
82	100	
128	44.3	37.3 55.9
54	56.3	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: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA_G

ClientSampleId :

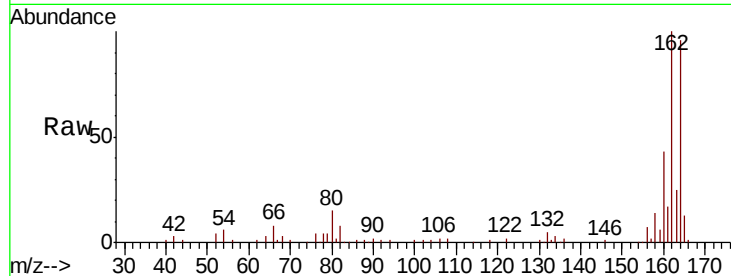
Tot Ion:164 Resp: 77416

Ion Ratio Lower Upper

164 100

162 104.3 87.2 130.8

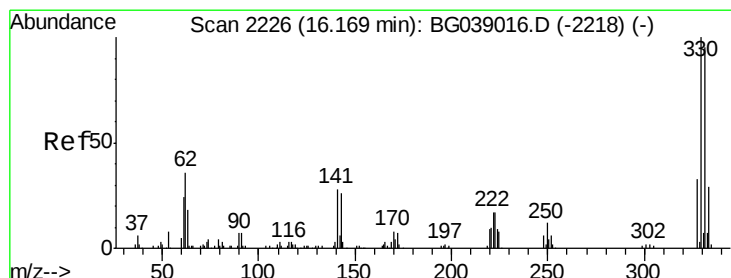
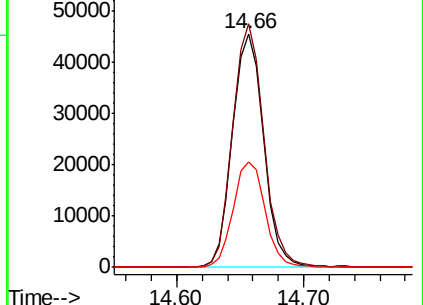
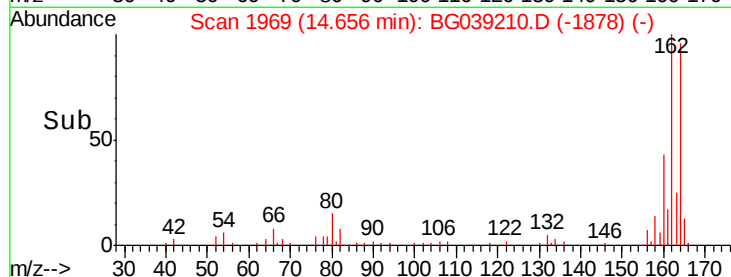
160 45.1 33.3 49.9



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: 107.998 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

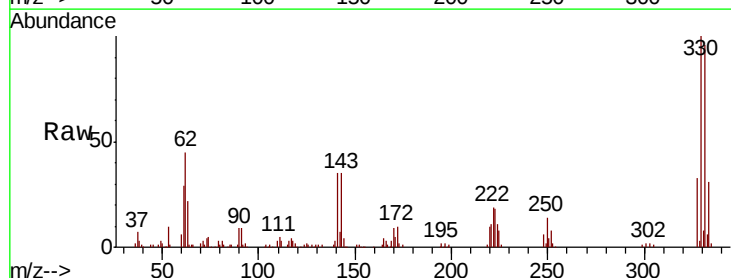
Tgt Ion:330 Resp: 140150

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

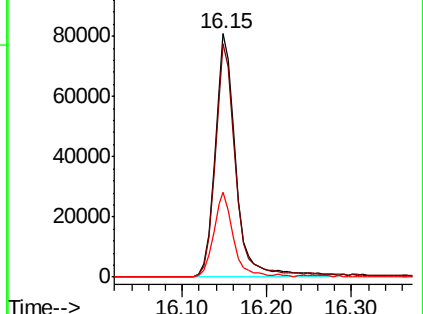
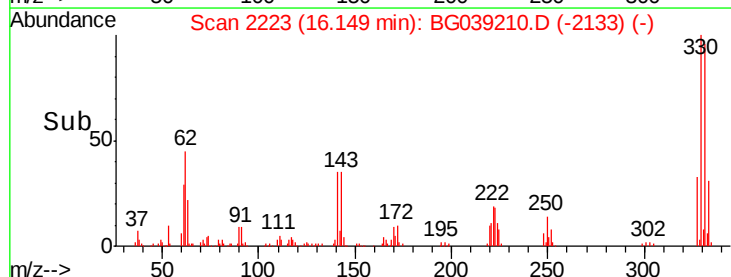
141 33.2 24.9 37.3

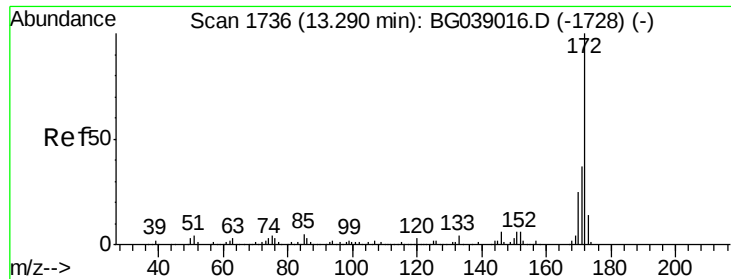


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

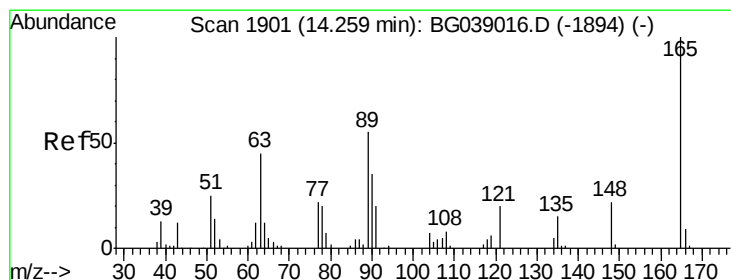
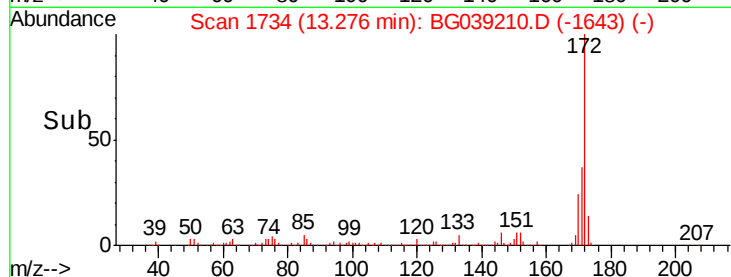
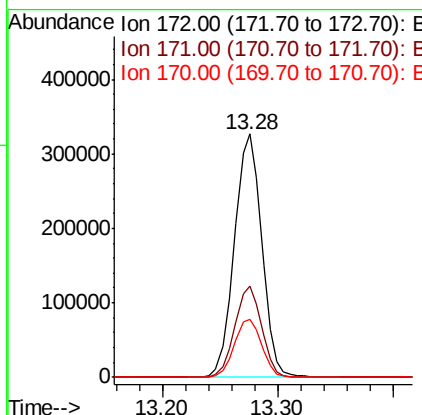
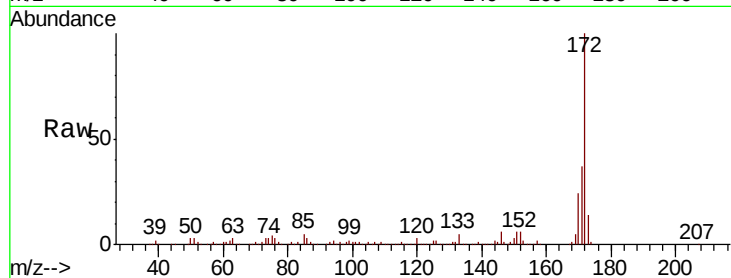




#45
 2-Fluorobiphenyl
 Concen: 94.690 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

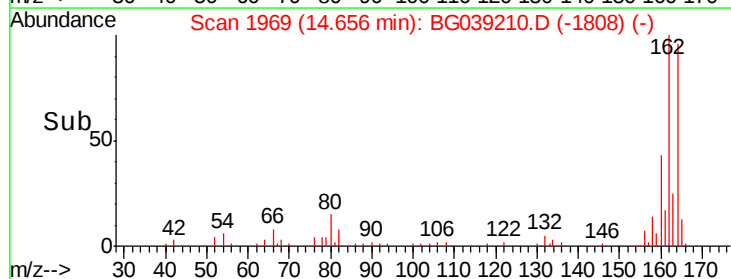
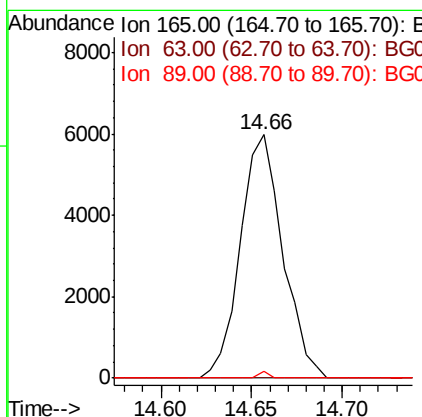
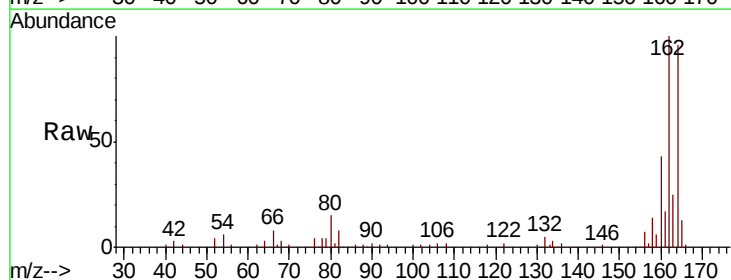
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 535634
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.4 44.0
 170 24.0 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.675 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.41 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Tgt Ion:165 Resp: 9763
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 2.8 43.7 65.5#

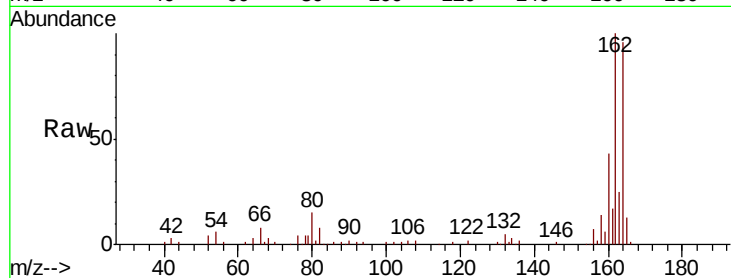




#57
 2,4-Dinitrotoluene
 Concen: 4.653 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

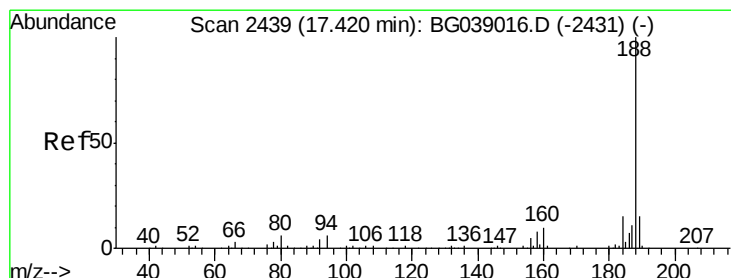
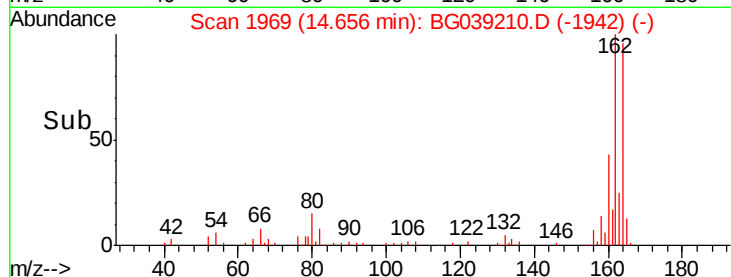
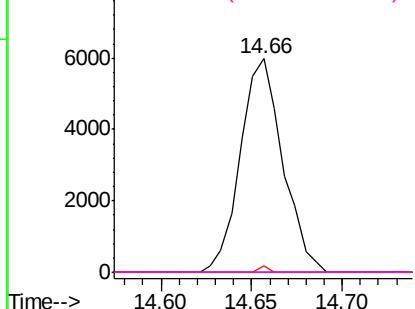


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

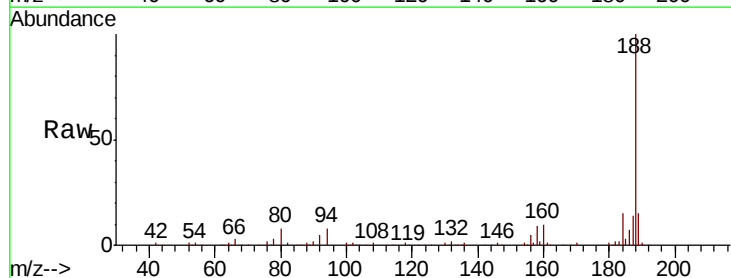
Ion 89.00 (88.70 to 89.70): BGC

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: BG039210.D
 Acq: 18 Jan 2019 8:23

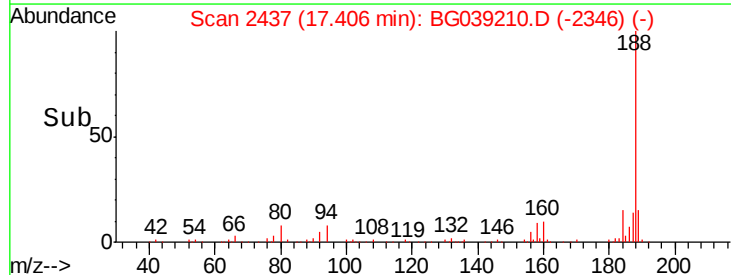
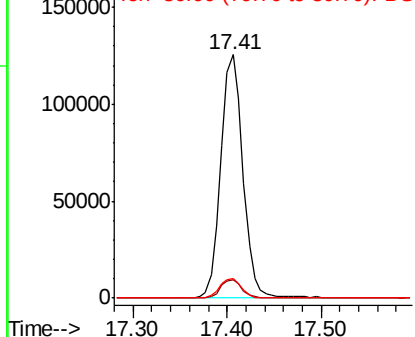
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.0	7.4#
80	8.2	4.7	7.1#

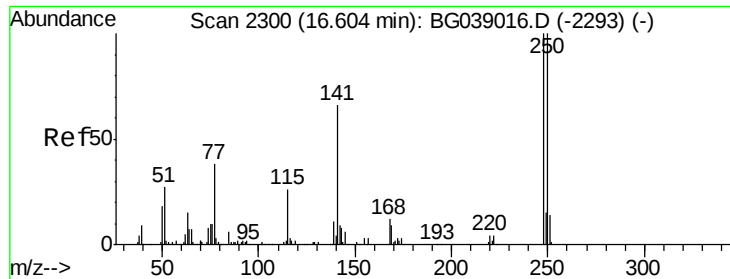


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

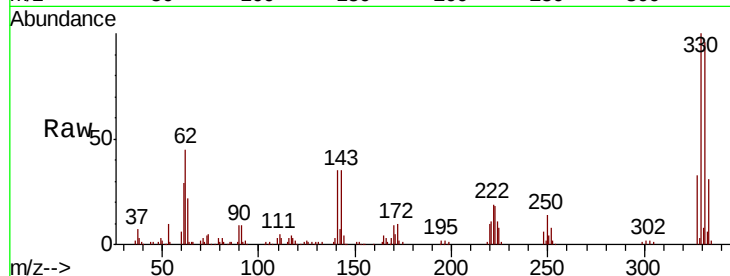




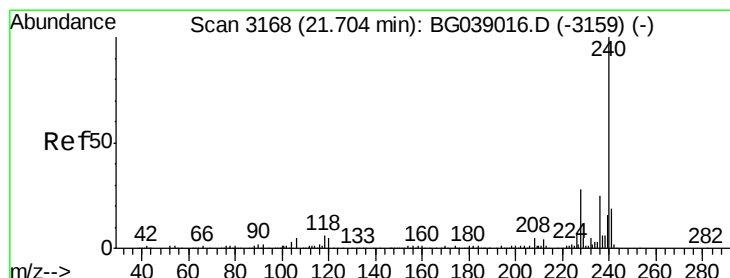
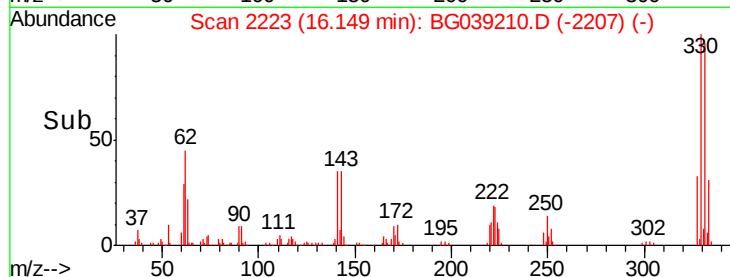
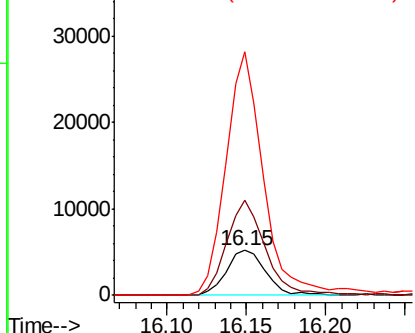
#67
 4-Bromophenyl-phenylether
 Concen: 3.357 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.44 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	274.0	79.9	119.9#
141	540.1	52.7	79.1#

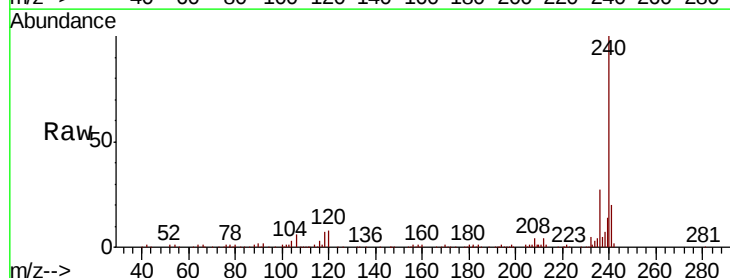


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

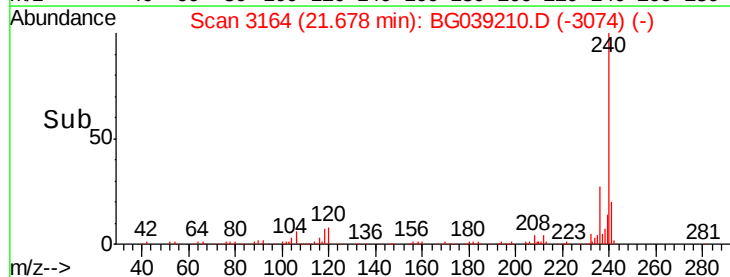
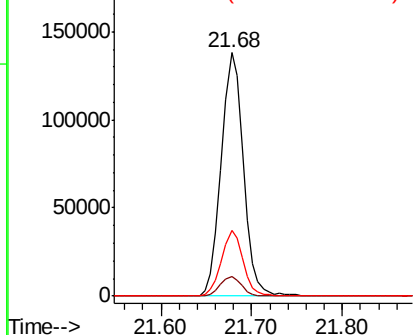


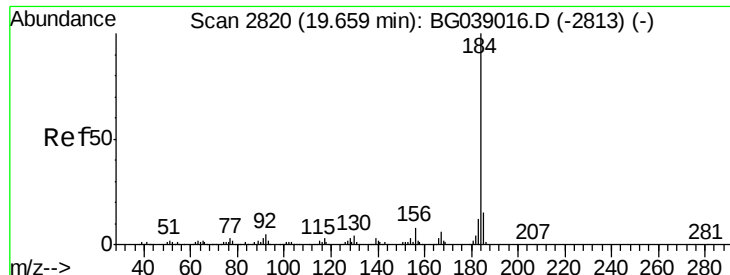
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG039210.D
 Acq: 18 Jan 2019 8:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	4.3	6.5#
236	27.0	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: 2.452 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA_G

ClientSampleId :

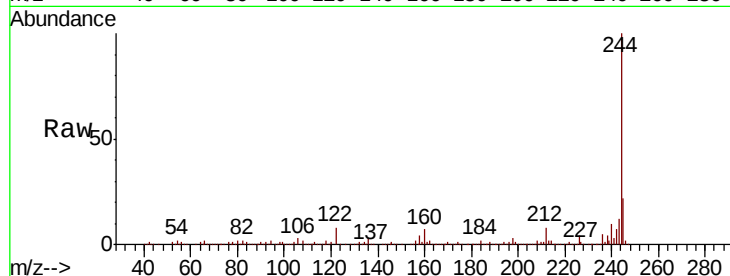
Tot Ion:184 Resp: 17688

Ion Ratio Lower Upper

184 100

185 17.8 12.1 18.1

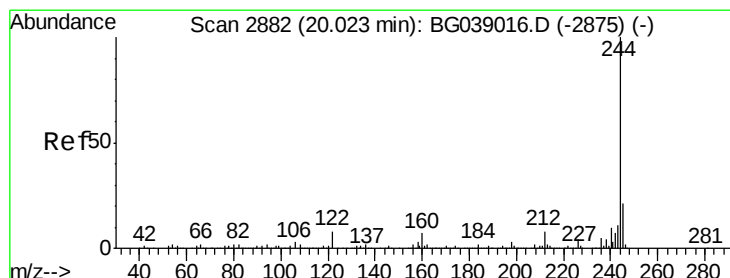
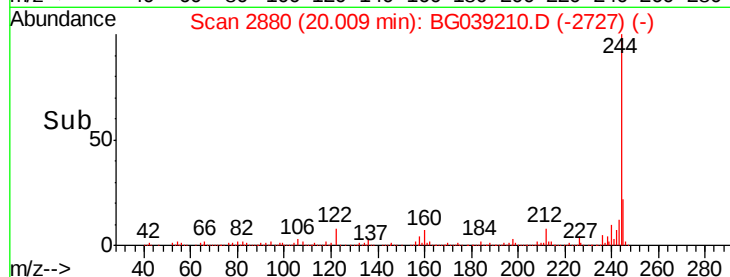
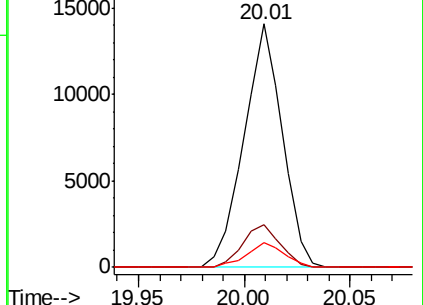
183 10.0 9.5 14.3



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: 88.266 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

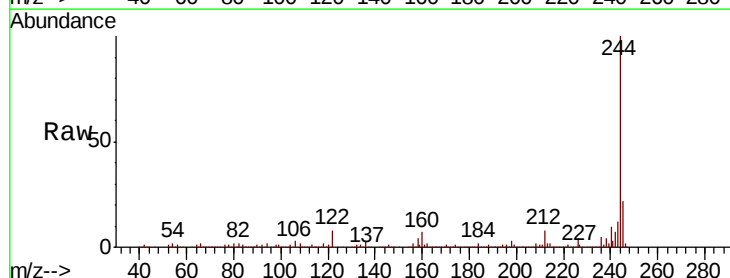
Tgt Ion:244 Resp: 1125524

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

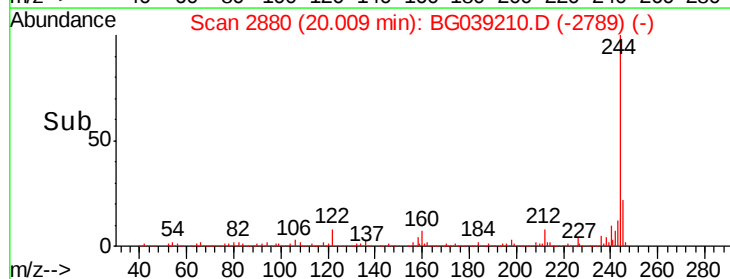
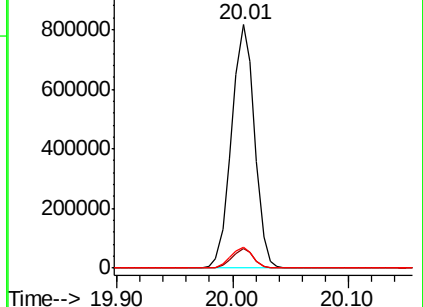
122 8.4 6.1 9.1

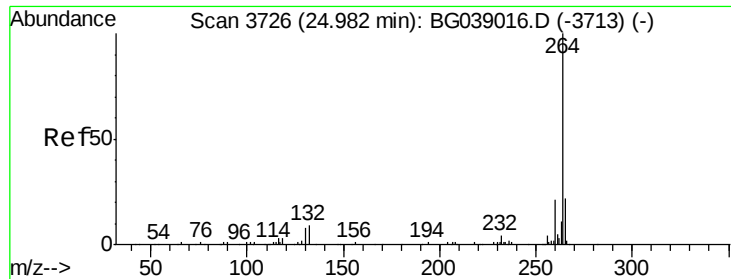


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3720
Delta R.T. -0.00 min
Lab File: BG039210.D
Acq: 18 Jan 2019 8:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.0	25.6
265	21.4	17.2	25.8

