

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039112.D
 Acq On : 12 Jan 2019 10:28
 Operator : JU/SJ
 Sample : K1118-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:03:26 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

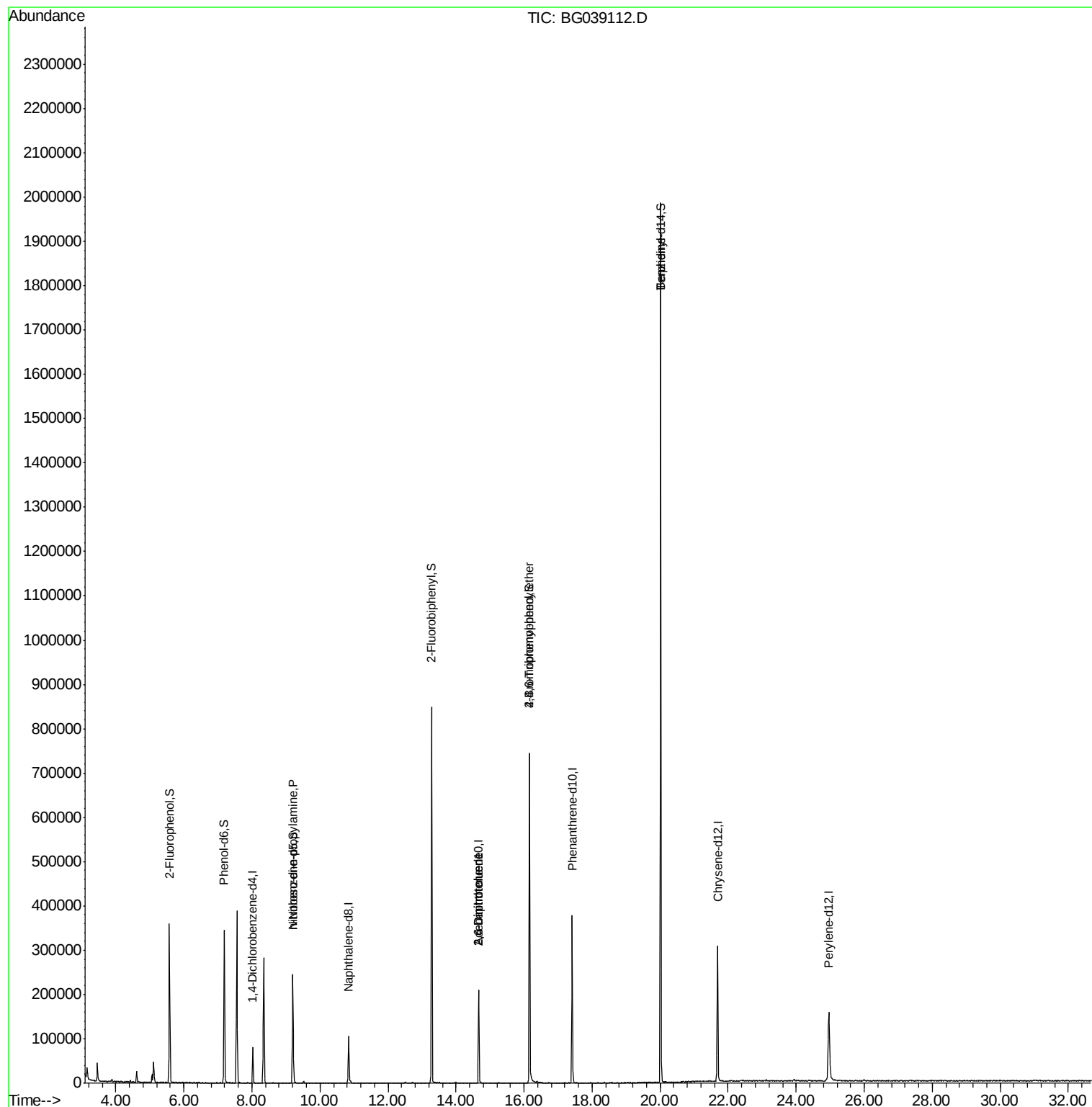
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22967	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	101331	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77136	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	243027	20.00	ng	0.00
76) Chrysene-d12	21.69	240	206165	20.00	ng	-0.01
87) Perylene-d12	24.96	264	214744	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	170804	141.08	ng	0.00
7) Phenol-d6	7.19	99	214915	123.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	156917	84.74	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	166977	129.14	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	466136	82.70	ng	0.00
79) Terphenyl-d14	20.02	244	1001626	89.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	20335	17.773	ng	# 66
51) 2,6-Dinitrotoluene	14.66	165	9865	6.769	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	9865	4.718	ng	# 29
67) 4-Bromophenyl-phenylether	16.16	248	10562	3.381	ng	# 1
77) Benzidine	20.02	184	15637	2.480	ng	# 94

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

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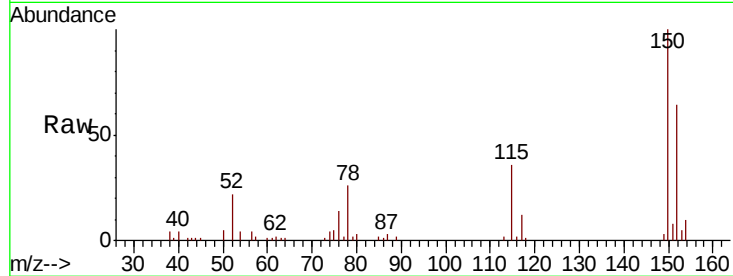


#1

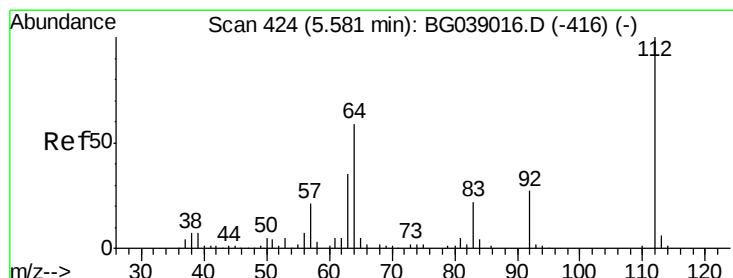
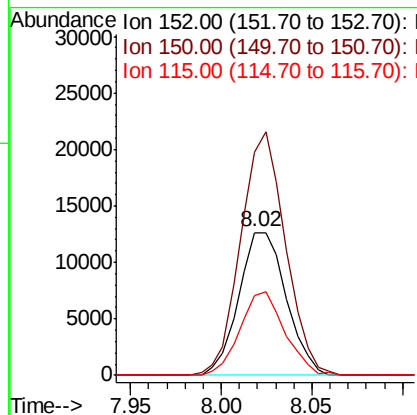
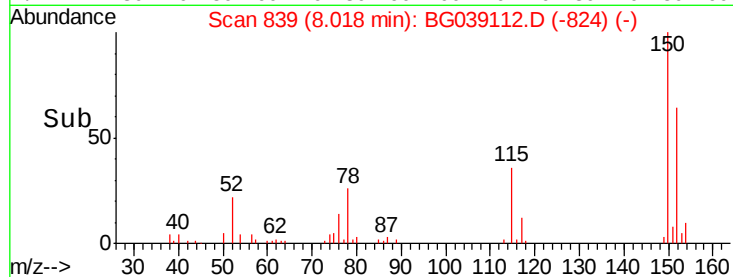
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22967
Ion Ratio Lower Upper
152 100
150 155.7 124.7 187.1
115 55.6 46.5 69.7



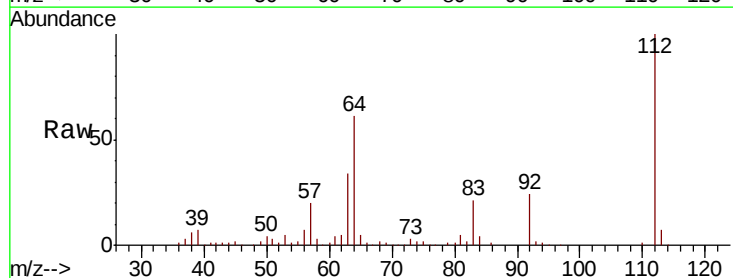
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



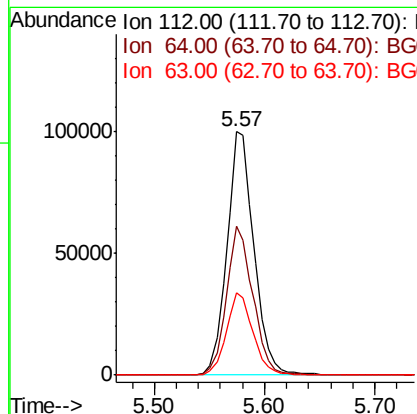
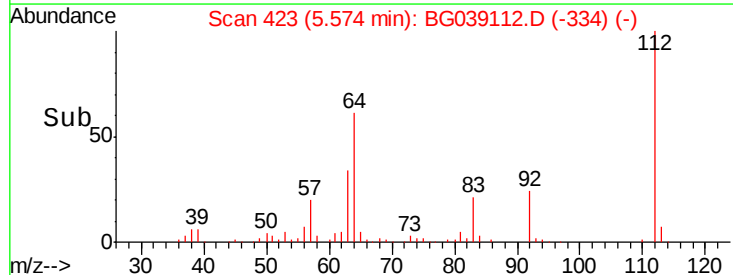
#5

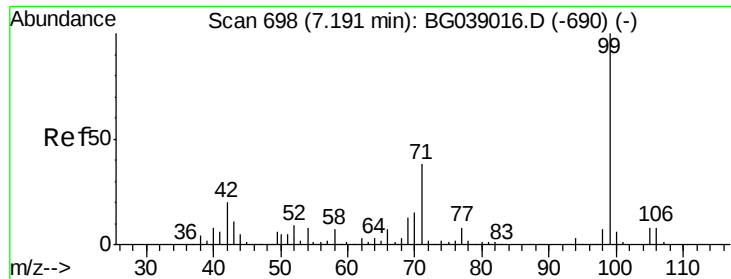
2-Fluorophenol
Concen: 141.077 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Tgt Ion:112 Resp: 170804
Ion Ratio Lower Upper
112 100
64 61.2 47.0 70.6
63 33.6 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: 123.346 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

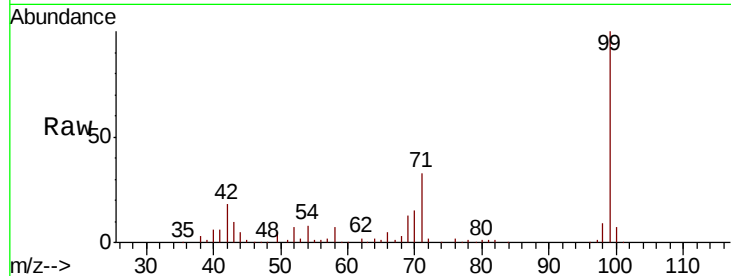
Tot Ion: 99 Resp: 214915

Ion Ratio Lower Upper

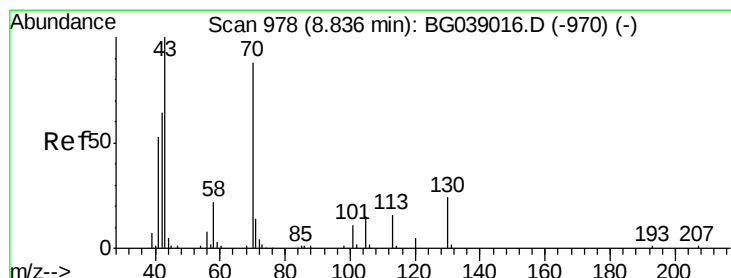
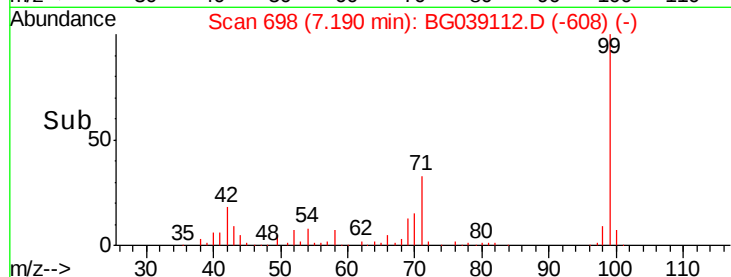
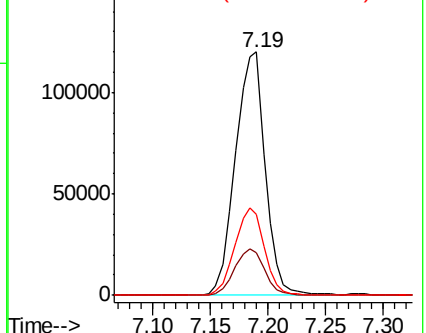
99 100

42 17.7 15.8 23.6

71 33.4 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: 17.773 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.36 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Tgt Ion: 70 Resp: 20335

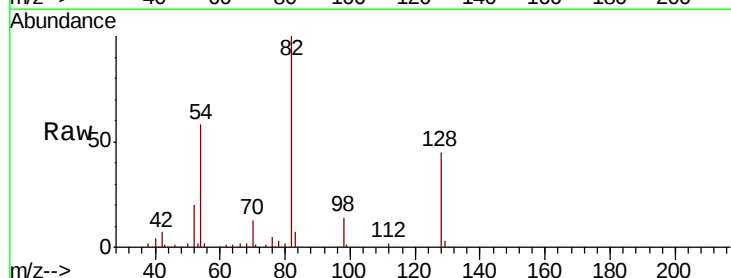
Ion Ratio Lower Upper

70 100

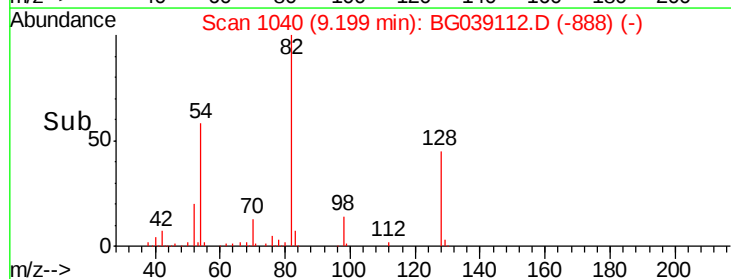
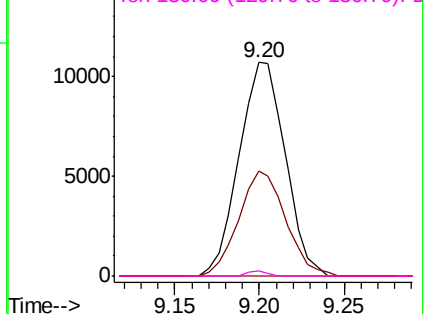
42 49.4 59.0 88.4#

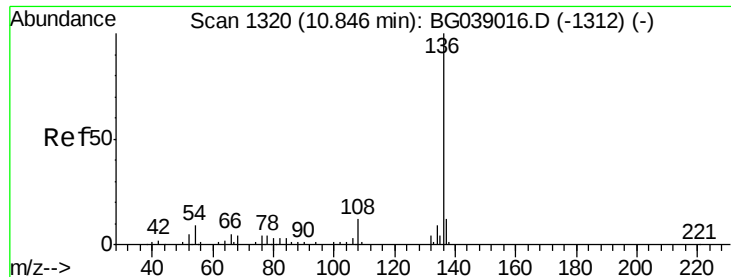
101 0.0 10.4 15.6#

130 2.2 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

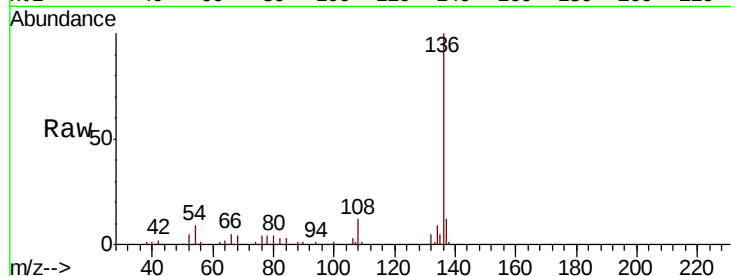




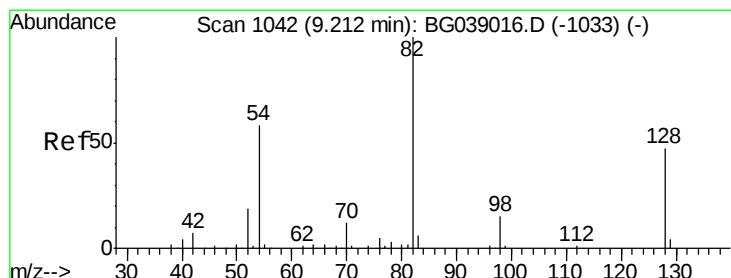
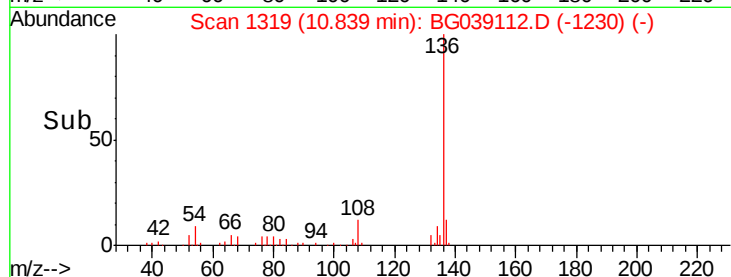
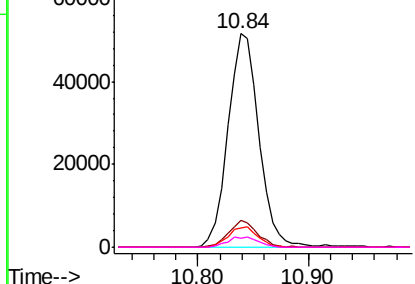
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	101331
Ion	Ratio	Lower Upper
136	100	
137	12.5	9.4 14.2
54	8.9	7.2 10.8
68	4.5	3.5 5.3

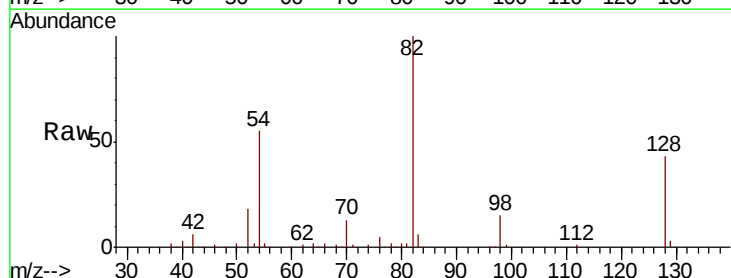


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

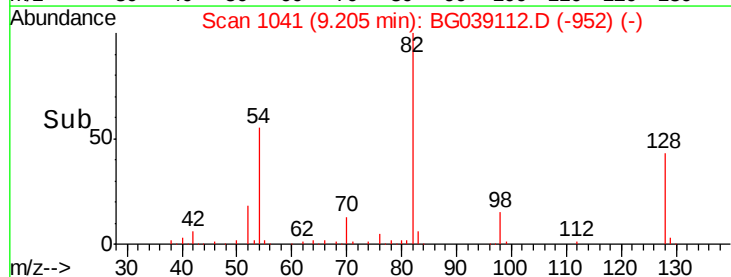
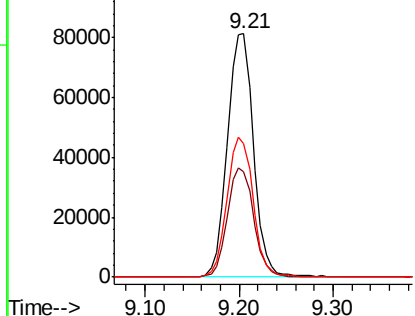


#23
Nitrobenzene-d5
Concen: 84.736 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Tgt Ion: 82	Resp:	156917
Ion	Ratio	Lower Upper
82	100	
128	43.2	37.3 55.9
54	54.7	46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

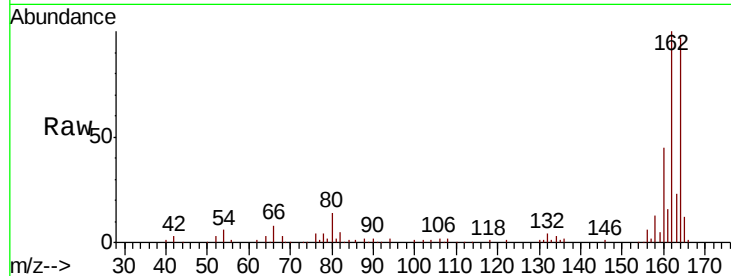
Tot Ion:164 Resp: 77136

Ion Ratio Lower Upper

164 100

162 103.4 87.2 130.8

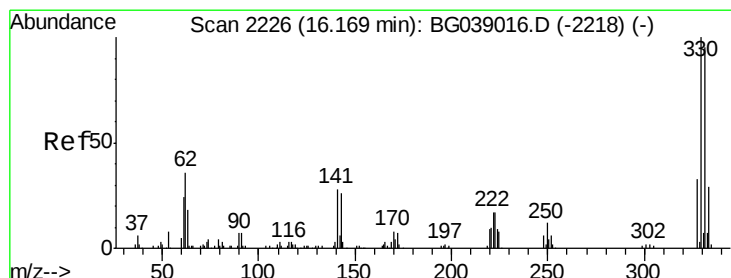
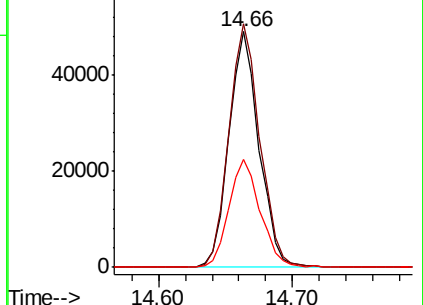
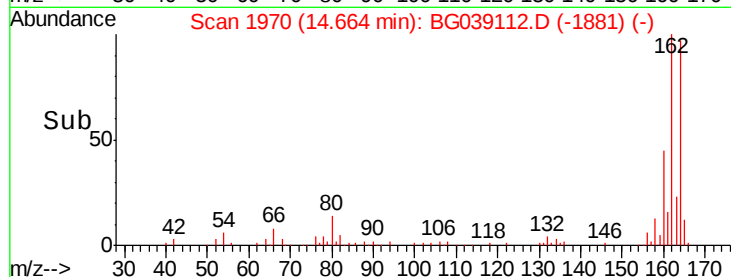
160 46.1 33.3 49.9



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: 129.138 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

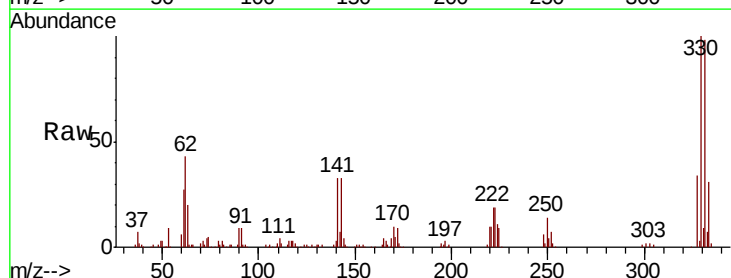
Tgt Ion:330 Resp: 166977

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

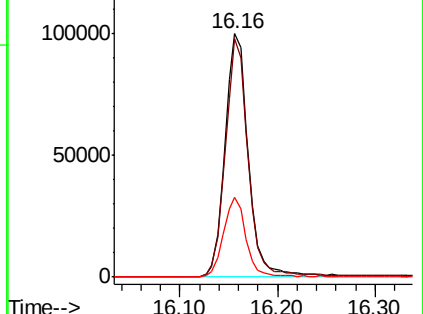
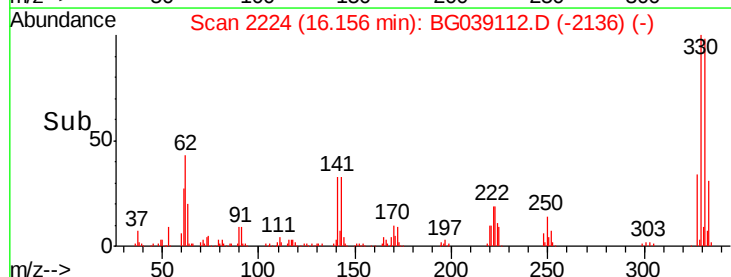
141 32.2 24.9 37.3



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

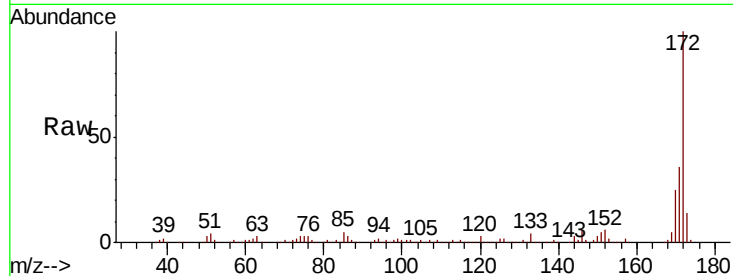




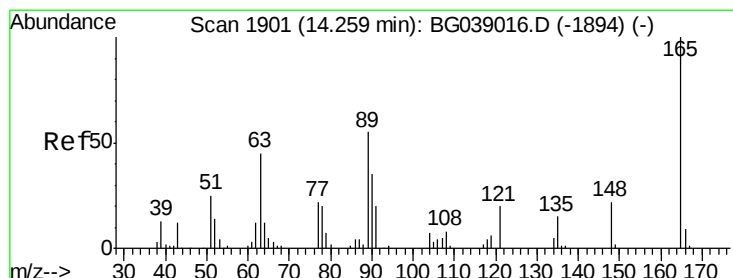
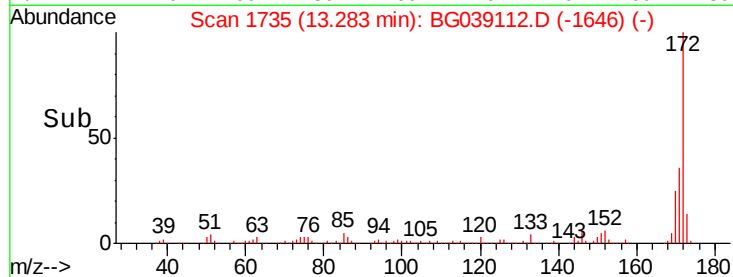
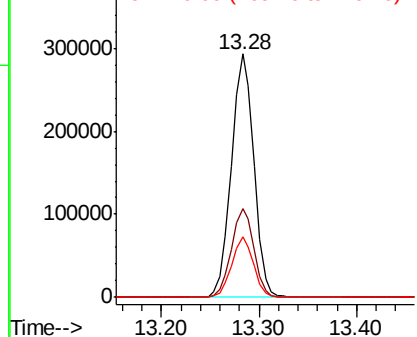
#45
 2-Fluorobiphenyl
 Concen: 82.703 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.8	20.1	30.1

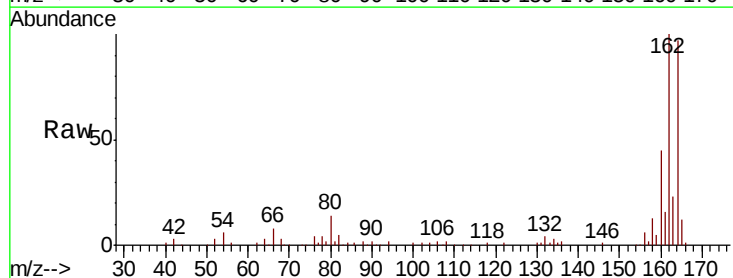


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

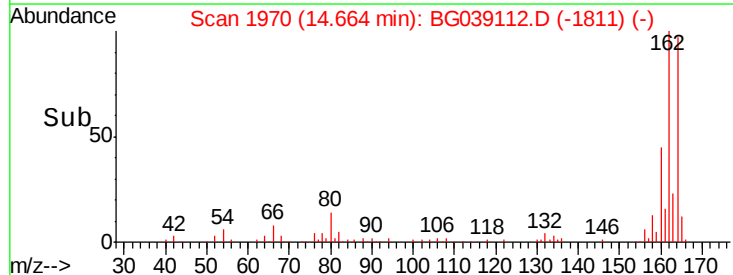
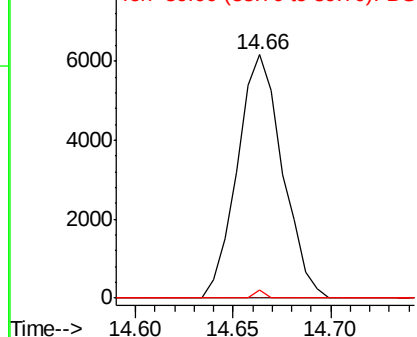


#51
 2,6-Dinitrotoluene
 Concen: 6.769 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	3.1	43.7	65.5#



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

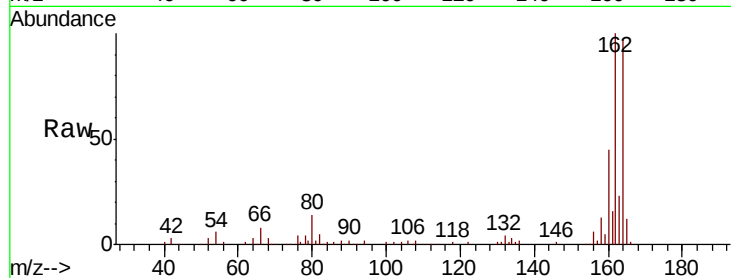




#57
 2,4-Dinitrotoluene
 Concen: 4.718 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	3.1	53.2	79.8#
182	0.0	2.7	4.1#

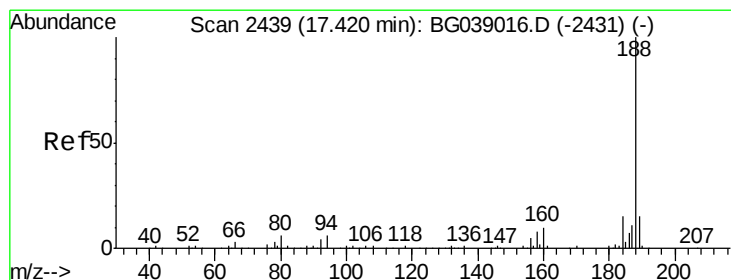
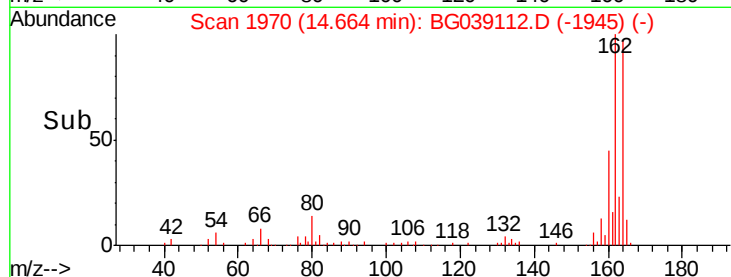
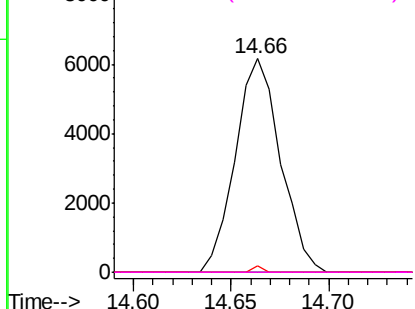


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

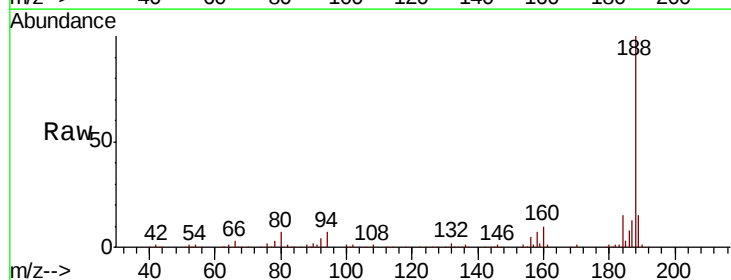
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

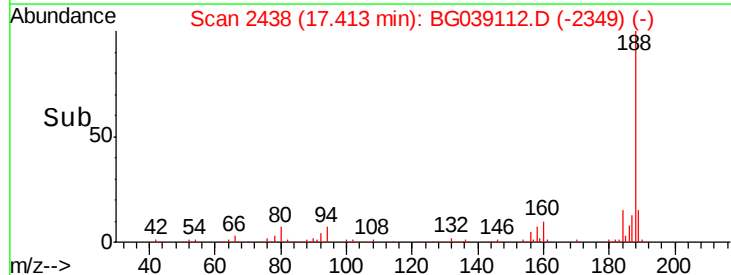
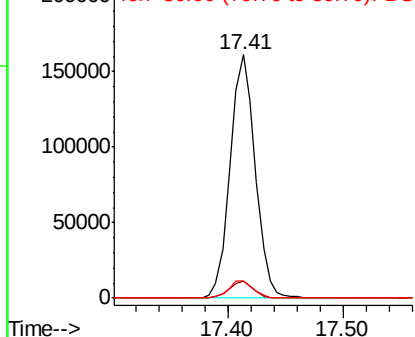
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.0	7.4
80	7.2	4.7	7.1#

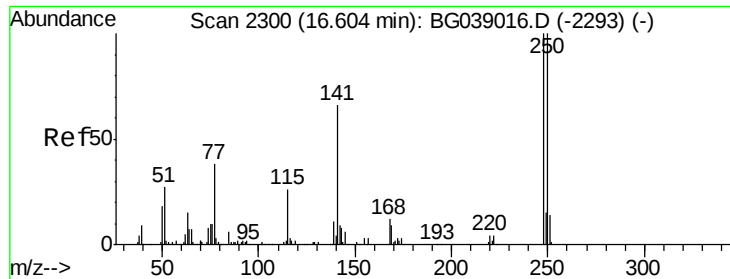


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

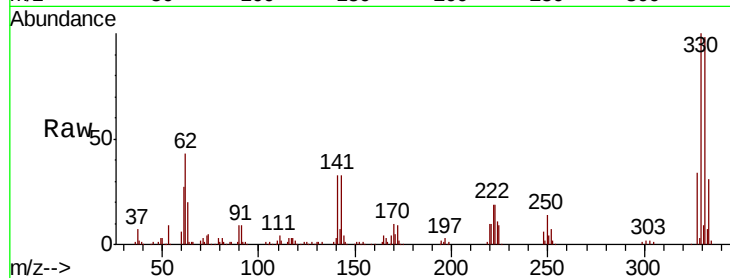




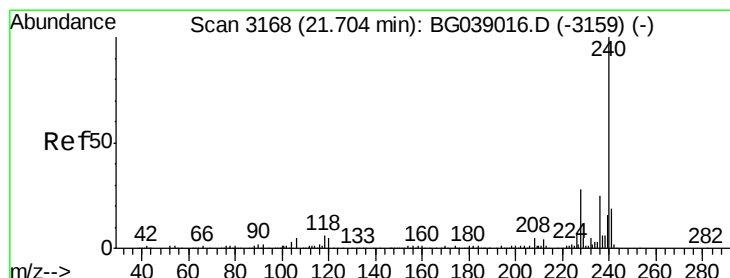
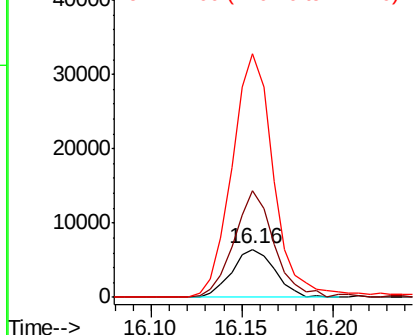
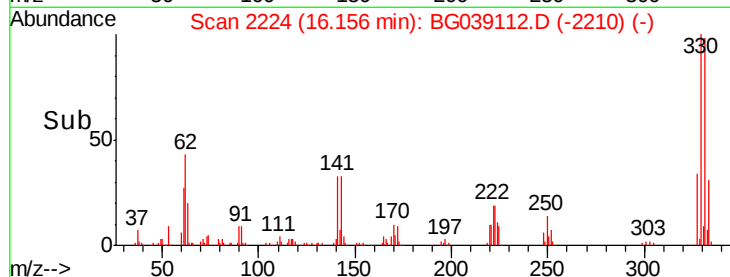
#67
 4-Bromophenyl-phenylether
 Concen: 3.381 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10562
 Ion Ratio Lower Upper
 248 100
 250 210.0 79.9 119.9#
 141 374.9 52.7 79.1#

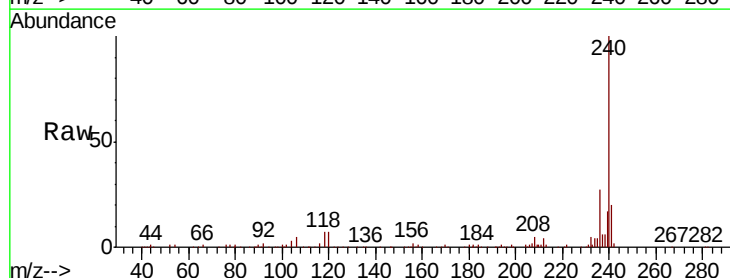


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

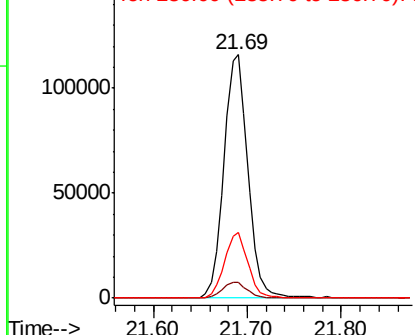
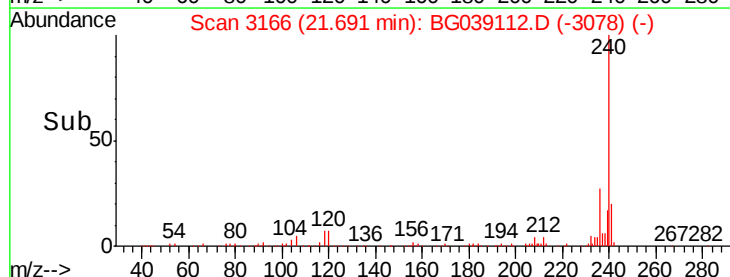


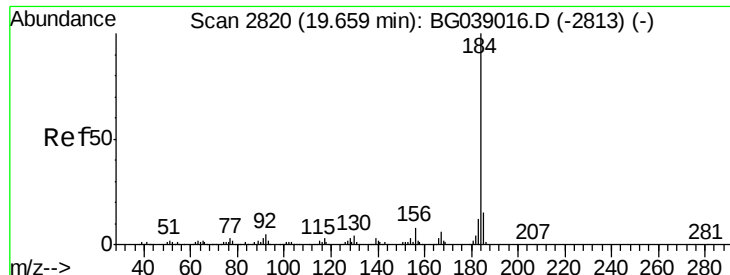
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Tgt Ion:240 Resp: 206165
 Ion Ratio Lower Upper
 240 100
 120 6.5 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: 2.480 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

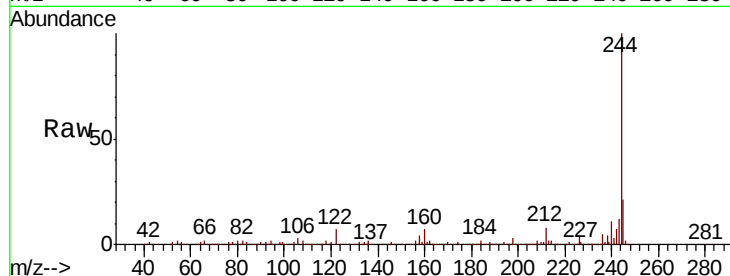
Tot Ion:184 Resp: 15637

Ion Ratio Lower Upper

184 100

185 17.4 12.1 18.1

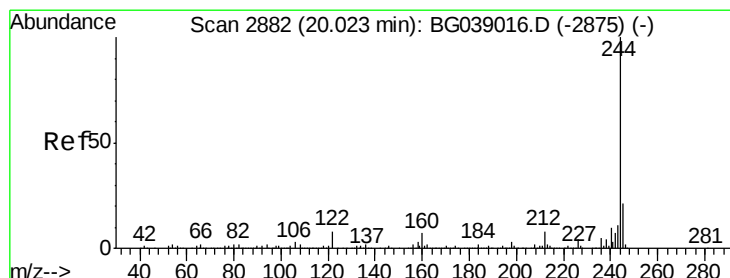
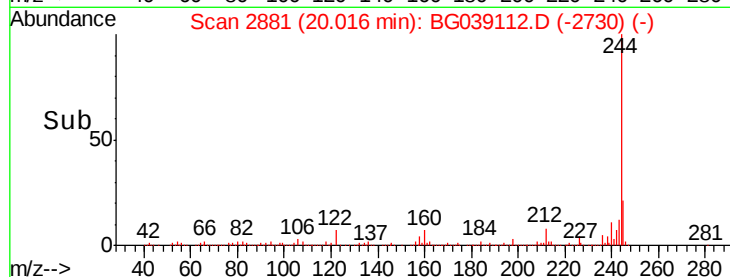
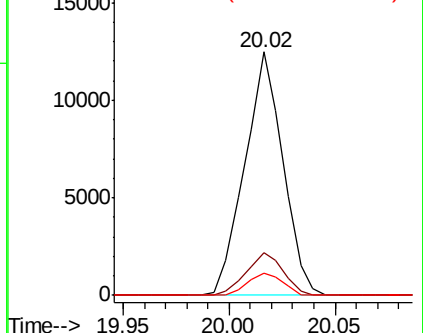
183 8.9 9.5 14.3#



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: 89.875 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

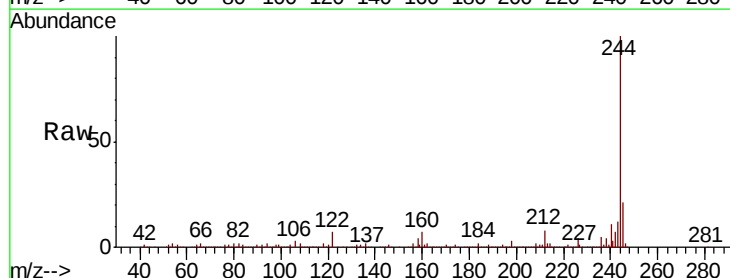
Tgt Ion:244 Resp: 1001626

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

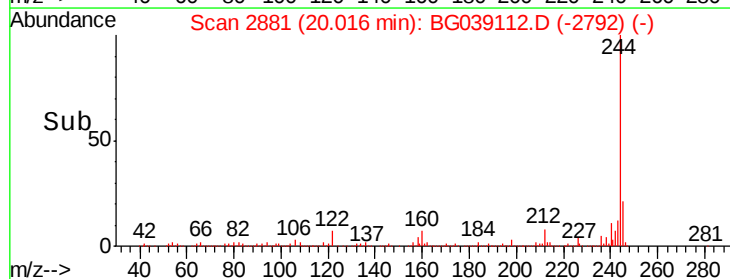
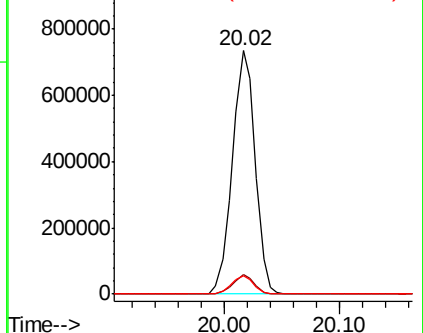
122 7.4 6.1 9.1

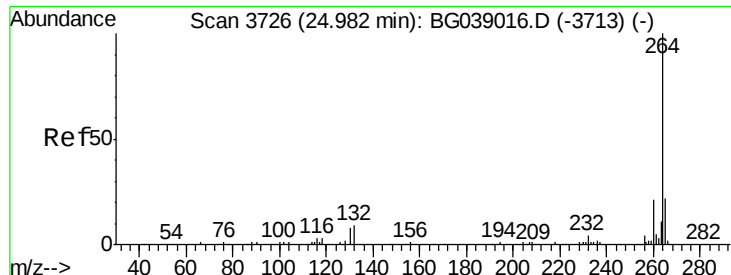


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

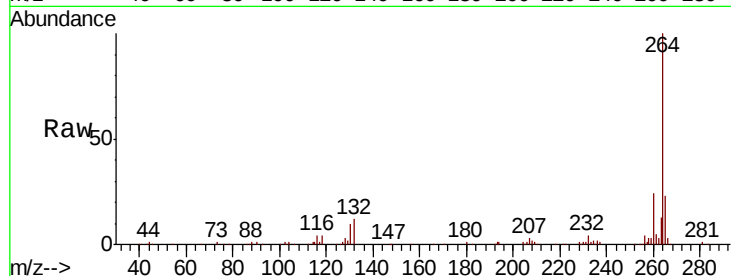




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.96 min Scan# 3722
 Delta R.T. -0.02 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	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

