

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039110.D
 Acq On : 12 Jan 2019 9:10
 Operator : JU/SJ
 Sample : K1100-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:03:09 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

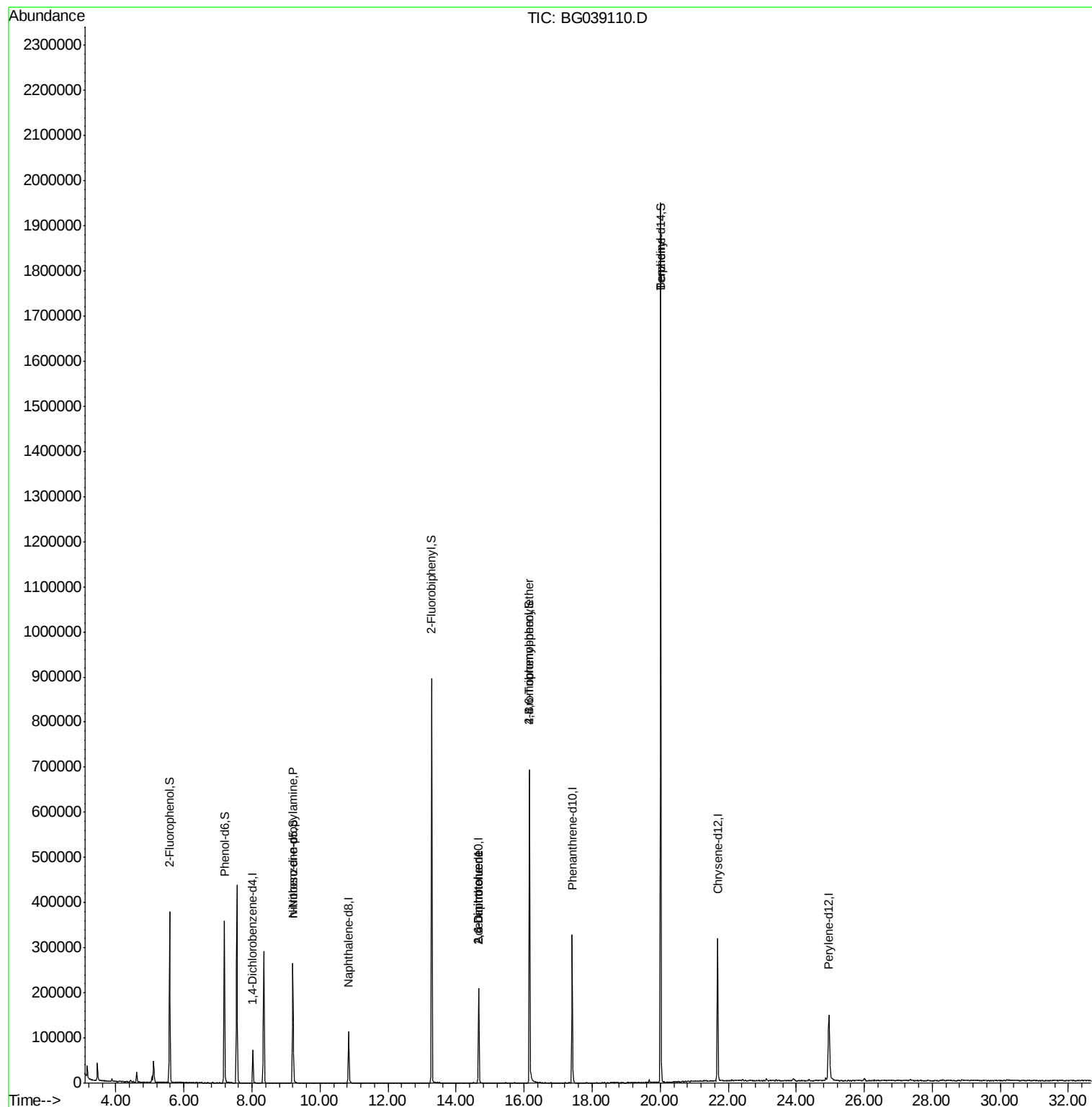
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	23025	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	109949	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	76470	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	217013	20.00	ng	0.00
76) Chrysene-d12	21.69	240	203544	20.00	ng	-0.01
87) Perylene-d12	24.96	264	202091	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	176865	145.72	ng	0.00
7) Phenol-d6	7.19	99	227575	130.28	ng	0.00
23) Nitrobenzene-d5	9.20	82	167370	83.30	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	163704	127.71	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	500056	89.49	ng	0.00
79) Terphenyl-d14	20.01	244	974203	88.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	21839	19.039	ng	# 62
51) 2,6-Dinitrotoluene	14.66	165	9525	6.593	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	9525	4.595	ng	# 28
67) 4-Bromophenyl-phenylether	16.15	248	10222	3.664	ng	# 1
77) Benzidine	20.01	184	15338	2.464	ng	# 94

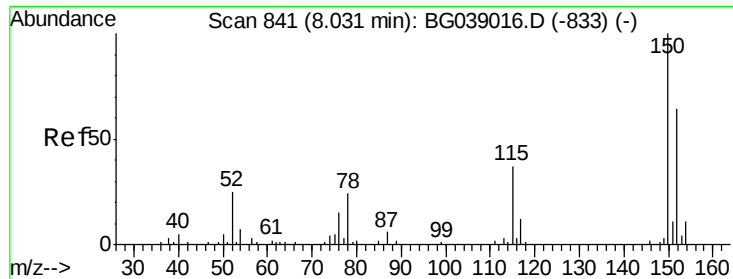
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

Quant Time: Jan 14 10:03:09 2019
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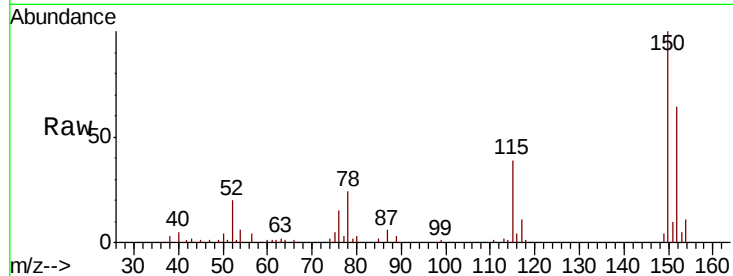


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039110.D
Acq: 12 Jan 2019 9:10

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.7	187.1
115	61.2	46.5	69.7

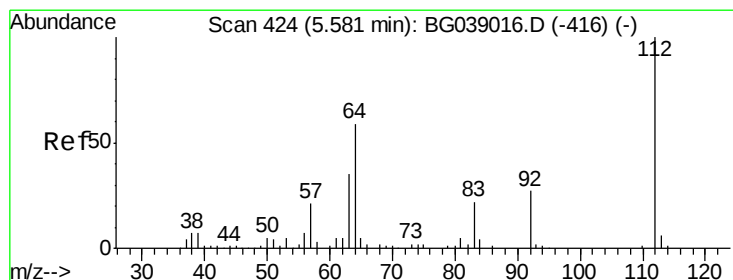
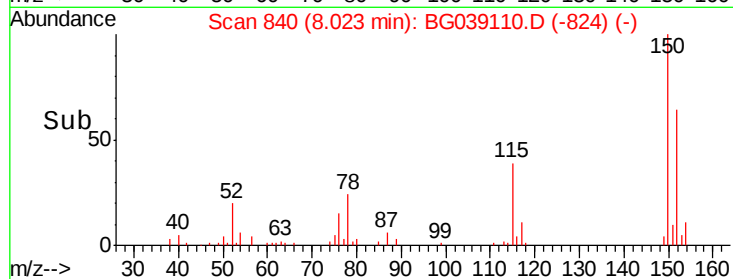
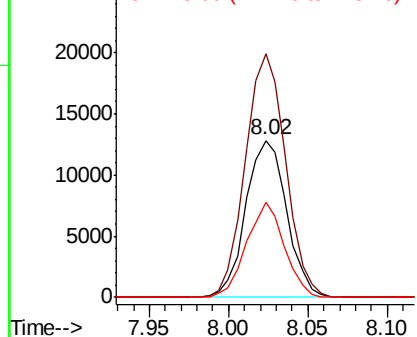


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

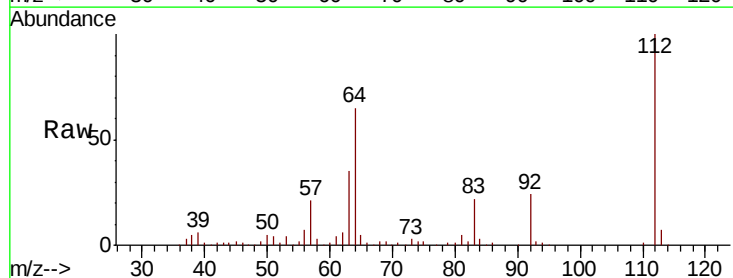
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 145.715 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039110.D
Acq: 12 Jan 2019 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.0	70.6
63	34.5	28.0	42.0

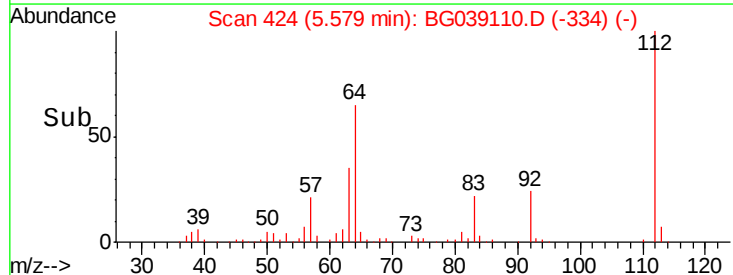
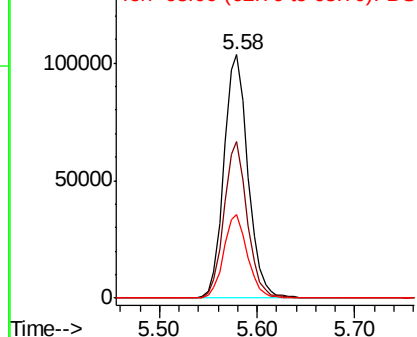


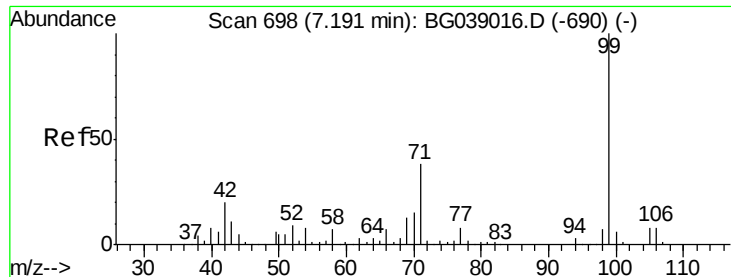
Abundance

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: 130.283 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

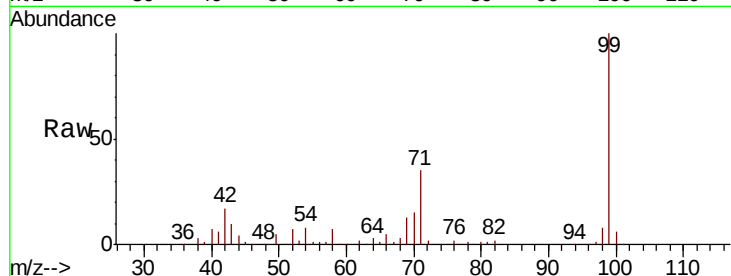
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 227575

Ion	Ratio	Lower	Upper
99	100		
42	17.1	15.8	23.6
71	34.7	30.2	45.4

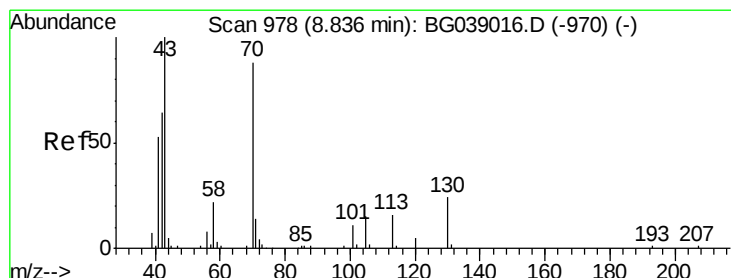
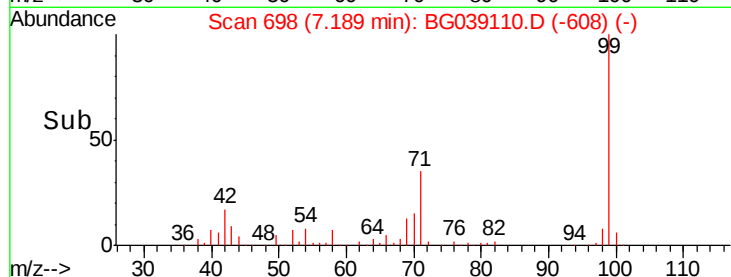
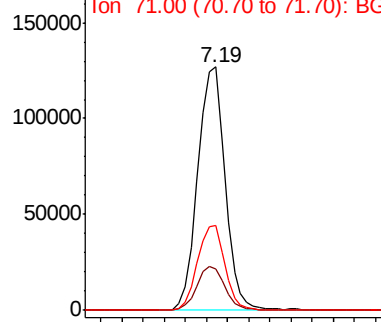


Abundance

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: 19.039 ng

RT: 9.20 min Scan# 1041

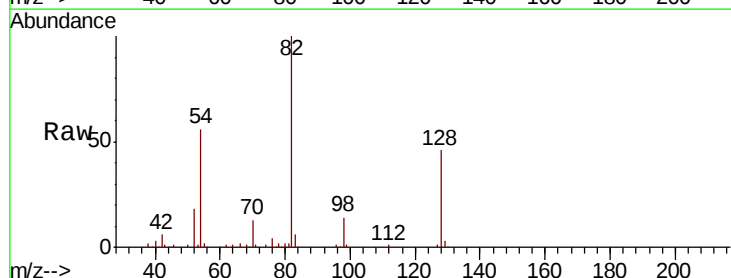
Delta R.T. 0.37 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

Tgt Ion: 70 Resp: 21839

Ion	Ratio	Lower	Upper
70	100		
42	44.1	59.0	88.4#
101	0.0	10.4	15.6#
130	2.1	21.6	32.4#



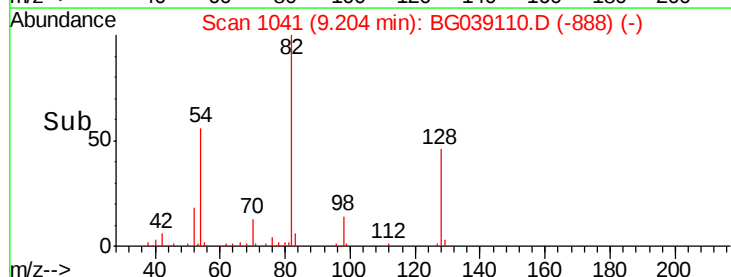
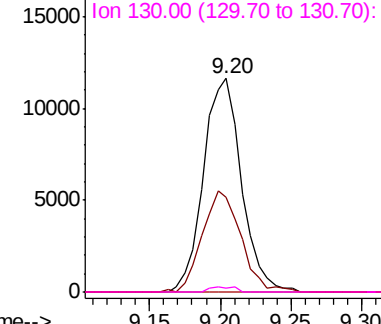
Abundance

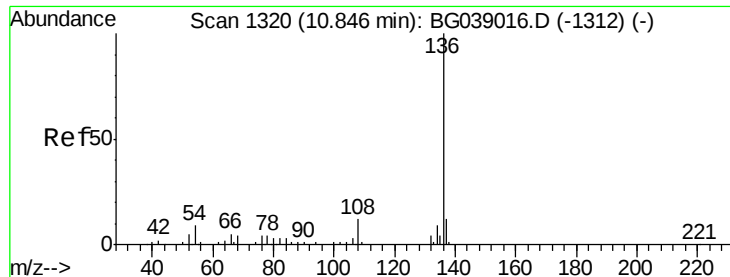
Ion 70.00 (69.70 to 70.70): BGC

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

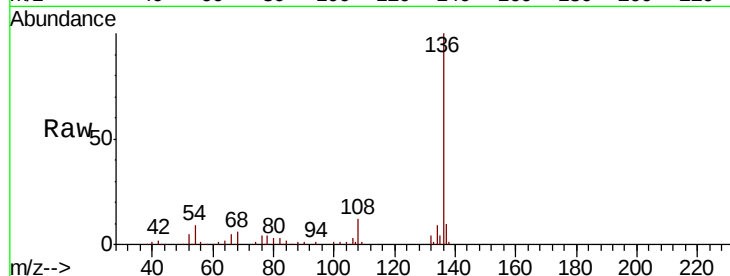




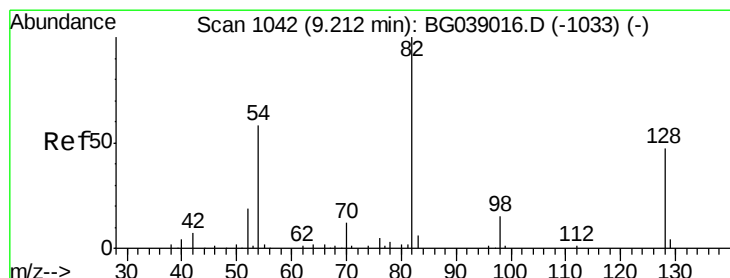
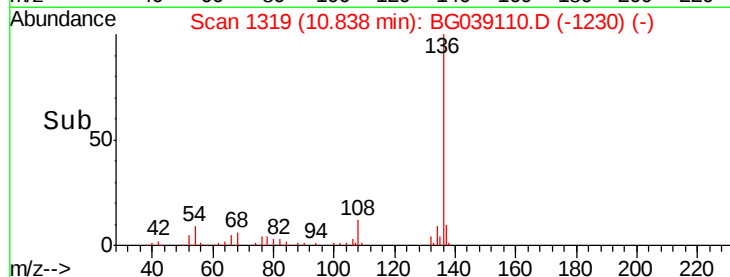
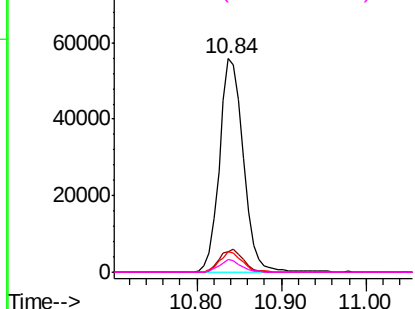
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039110.D
Acq: 12 Jan 2019 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	109949
Ion Ratio	Lower	Upper
136	100	
137	9.8	9.4 14.2
54	9.3	7.2 10.8
68	5.9	3.5 5.3#

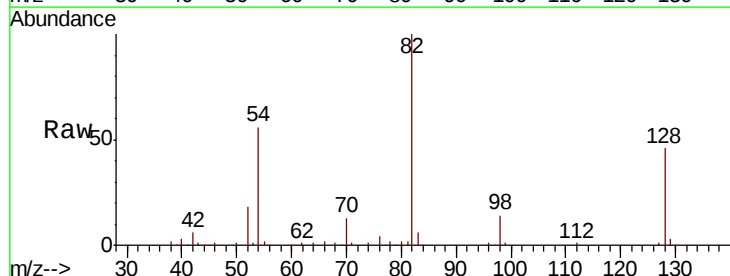


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

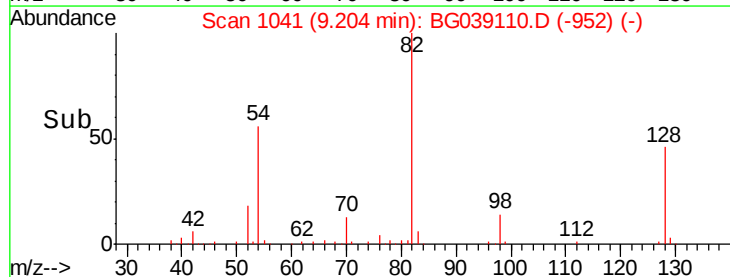
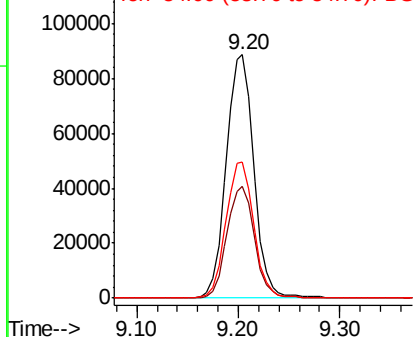


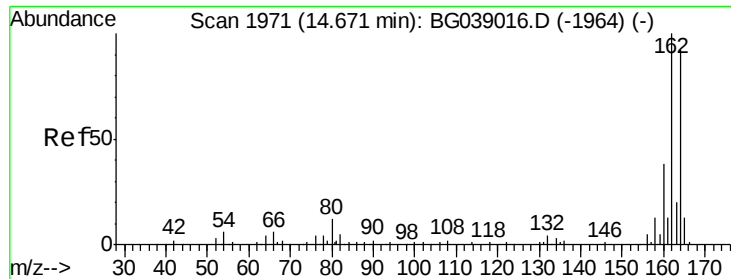
#23
Nitrobenzene-d5
Concen: 83.297 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039110.D
Acq: 12 Jan 2019 9:10

Tgt Ion: 82	Resp:	167370
Ion Ratio	Lower	Upper
82	100	
128	45.7	37.3 55.9
54	55.9	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# 1970

Delta R.T. -0.01 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

Instrument :

BNA_G

ClientSampleId :

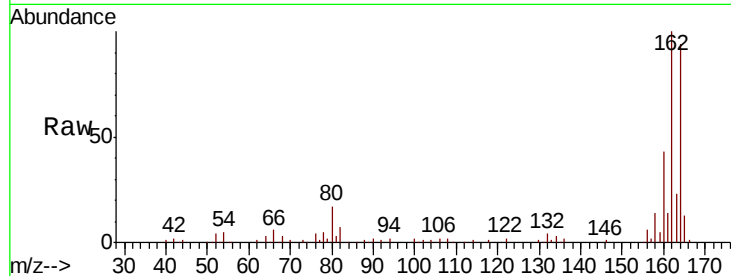
Tot Ion:164 Resp: 76470

Ion Ratio Lower Upper

164 100

162 106.5 87.2 130.8

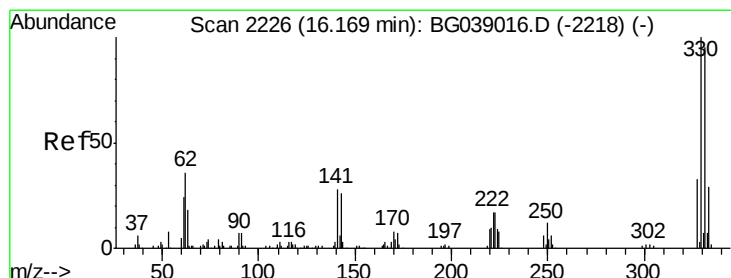
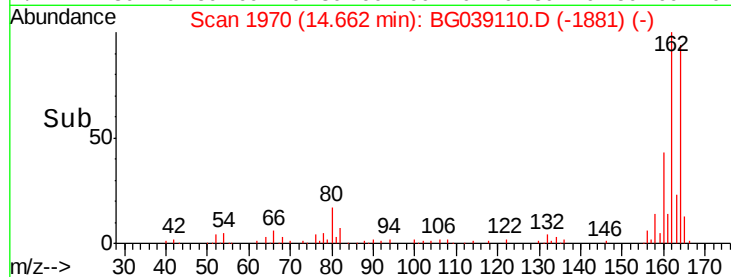
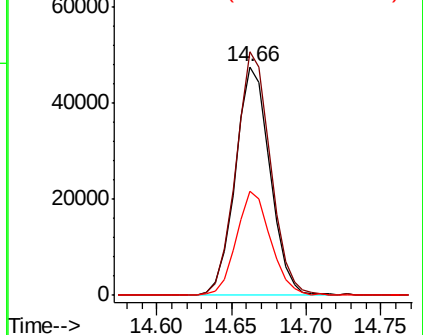
160 45.5 33.3 49.9



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: 127.709 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

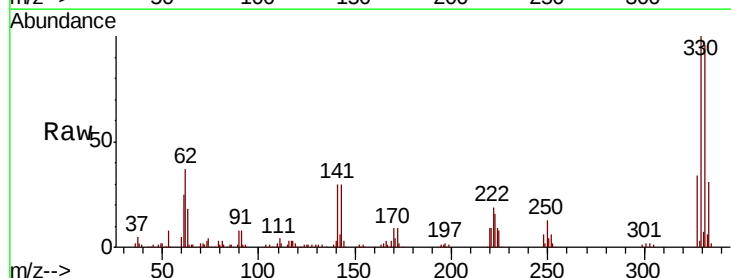
Tgt Ion:330 Resp: 163704

Ion Ratio Lower Upper

330 100

332 94.1 75.7 113.5

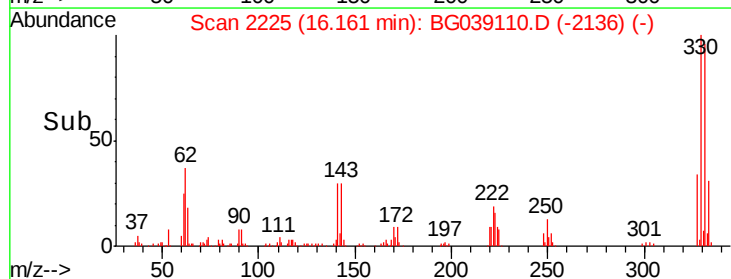
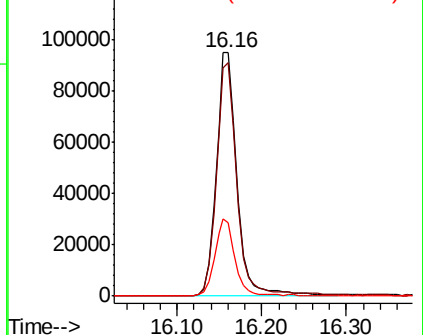
141 31.2 24.9 37.3

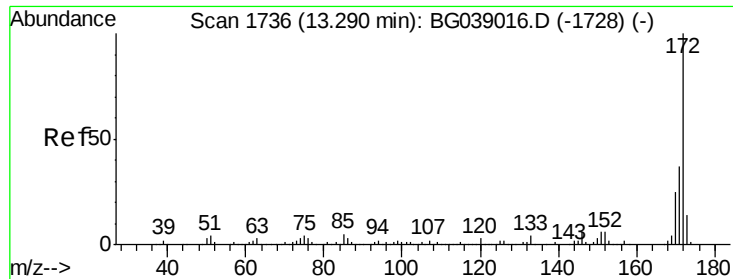


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

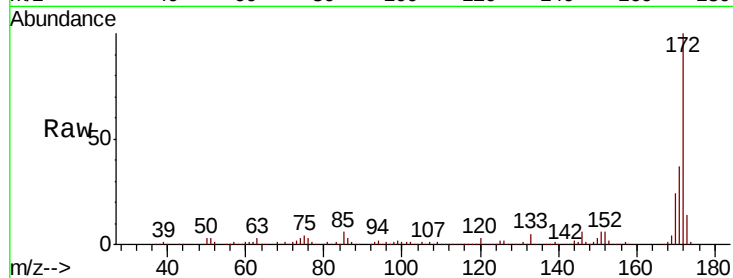




#45
 2-Fluorobiphenyl
 Concen: 89.494 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039110.D
 Acq: 12 Jan 2019 9:10

Instrument :
 BNA_G
 ClientSampleId :

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

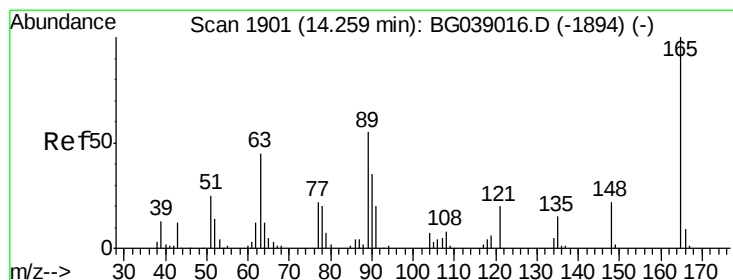
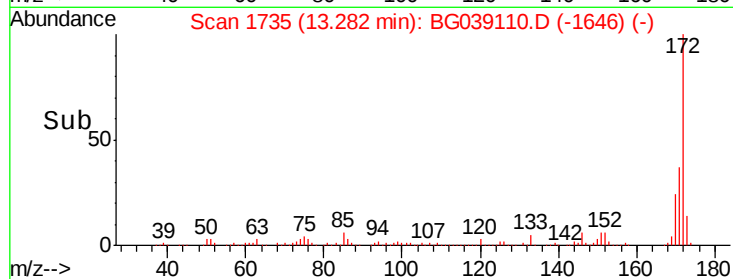
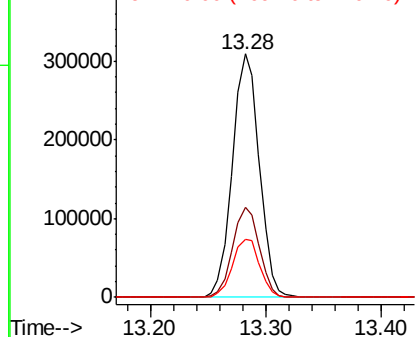


Abundance

Ion 172.00 (171.70 to 172.70): E

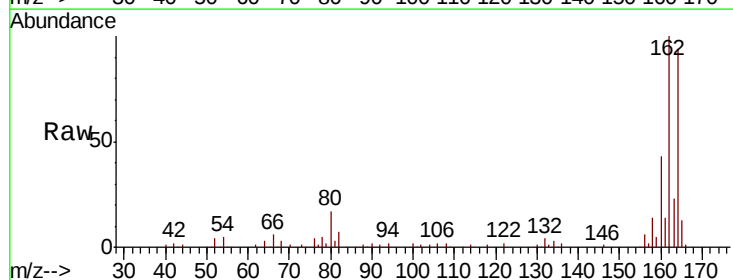
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 6.593 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039110.D
 Acq: 12 Jan 2019 9:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	2.6	43.7	65.5#

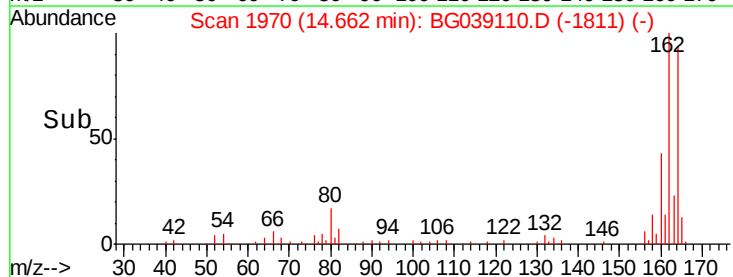
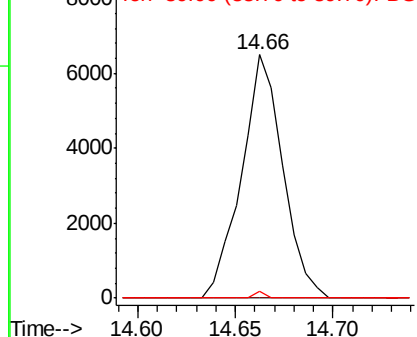


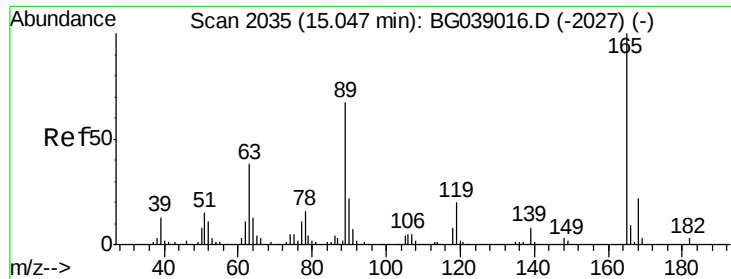
Abundance

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

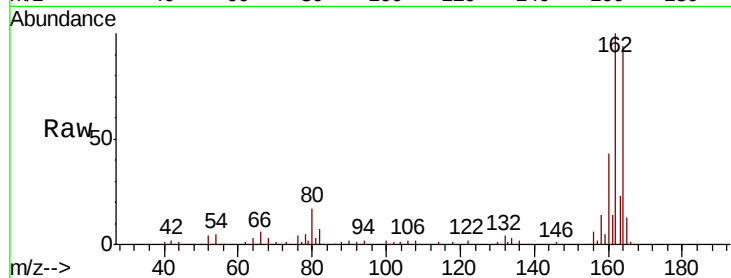




#57
 2,4-Dinitrotoluene
 Concen: 4.595 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039110.D
 Acq: 12 Jan 2019 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	2.6	53.2	79.8#
182	0.0	2.7	4.1#

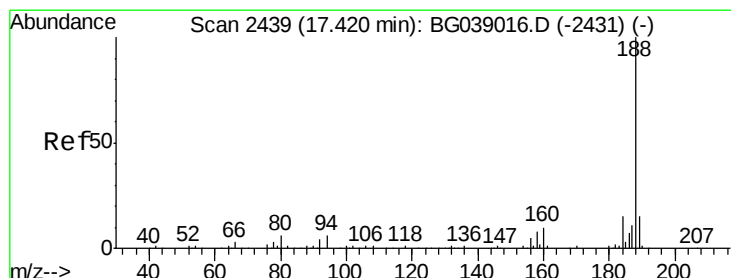
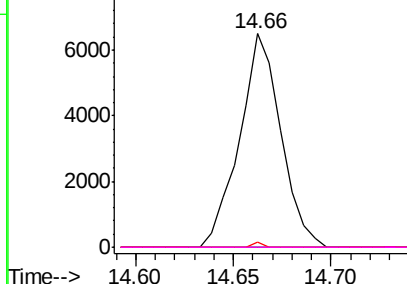
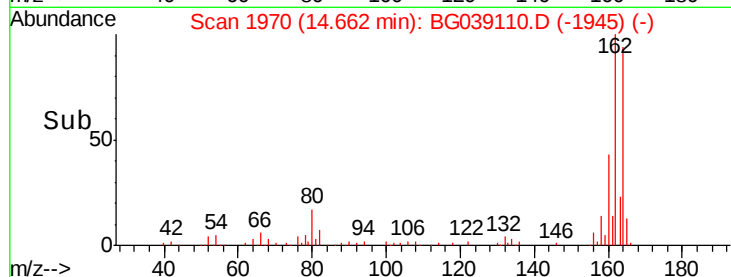


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

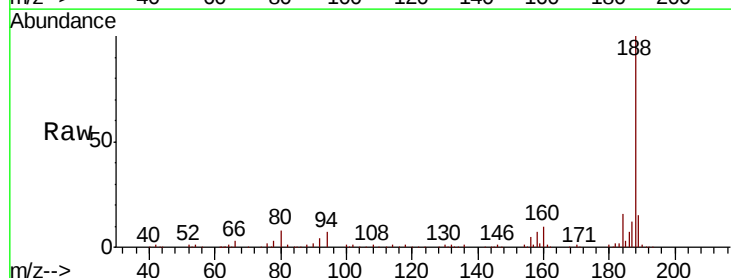
Ion 89.00 (88.70 to 89.70): BGC

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: BG039110.D
 Acq: 12 Jan 2019 9:10

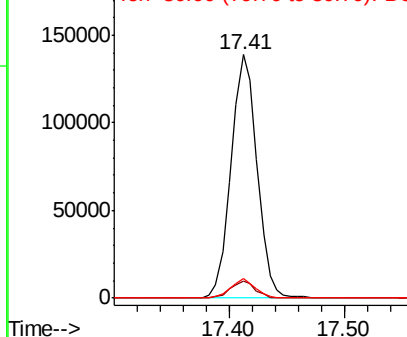
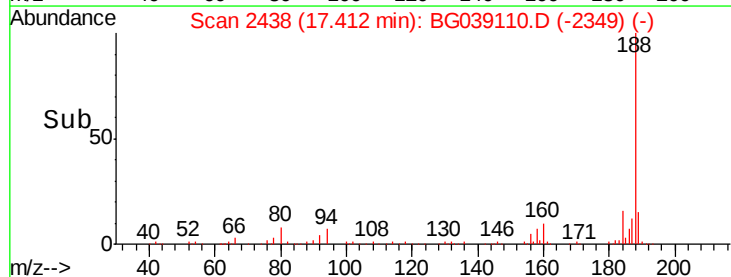
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.0	7.4
80	7.8	4.7	7.1#

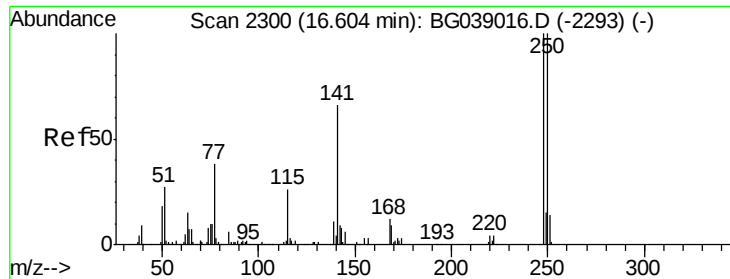


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.664 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

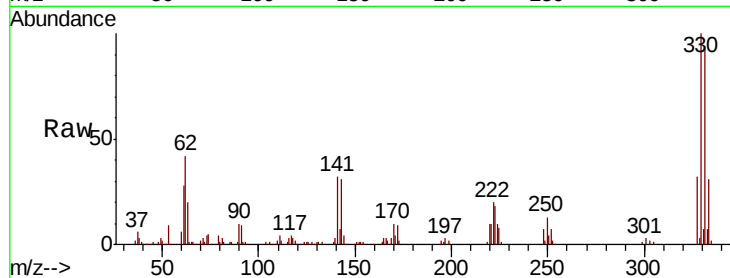
Instrument :

BNA_G

ClientSampleId :

Tot Ion:248 Resp: 10222

Ion	Ratio	Lower	Upper
248	100		
250	187.0	79.9	119.9#
141	359.4	52.7	79.1#

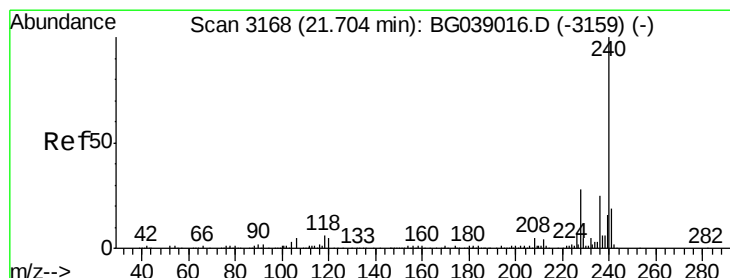
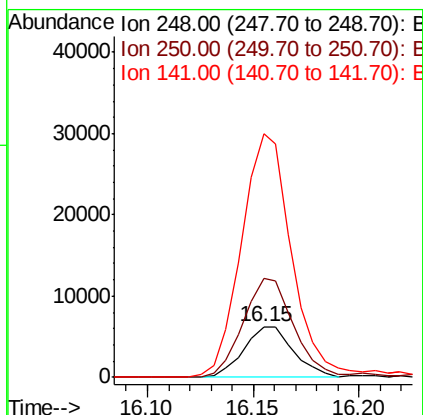
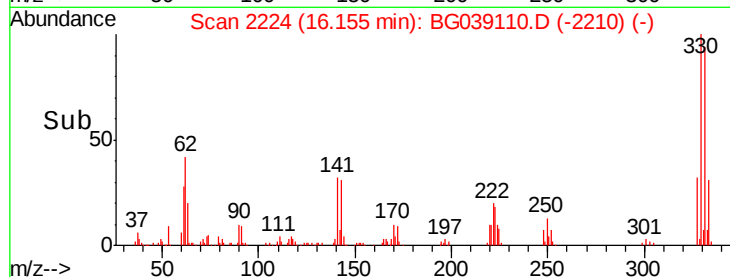


Abundance

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

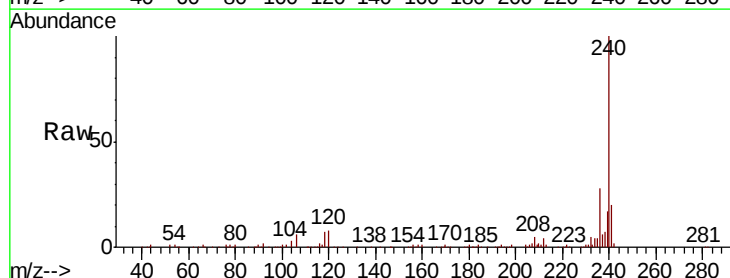
Delta R.T. -0.01 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

Tgt Ion:240 Resp: 203544

Ion	Ratio	Lower	Upper
240	100		
120	7.9	4.3	6.5#
236	27.7	20.1	30.1

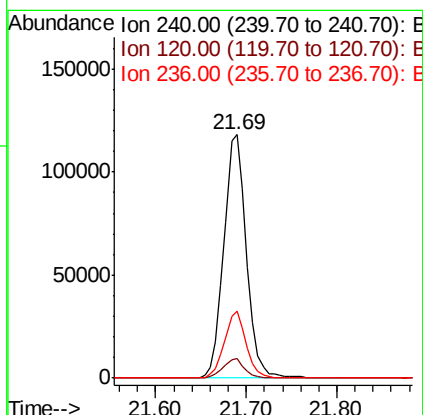
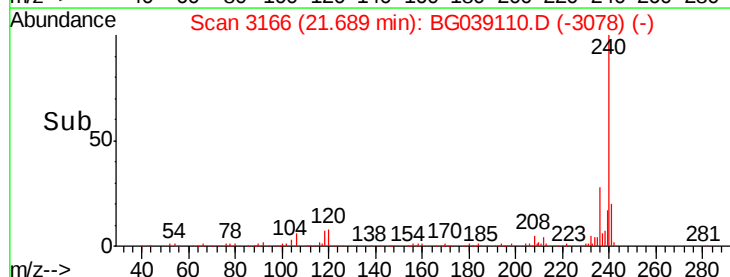


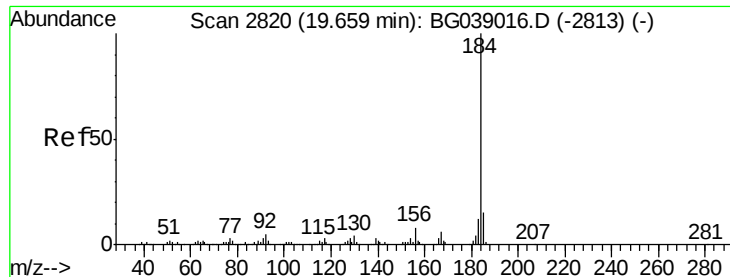
Abundance

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: 2.464 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

Instrument :

BNA_G

ClientSampleId :

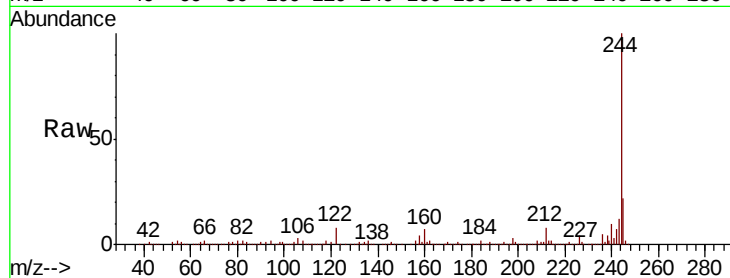
Tot Ion:184 Resp: 15338

Ion Ratio Lower Upper

184 100

185 16.9 12.1 18.1

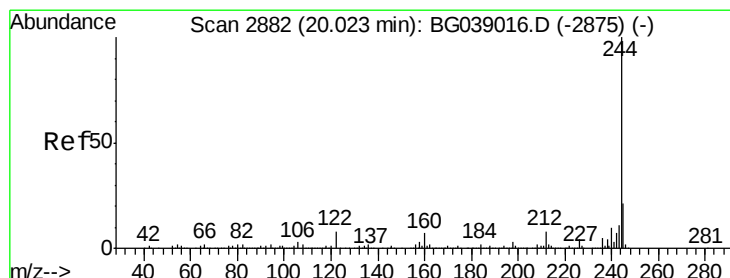
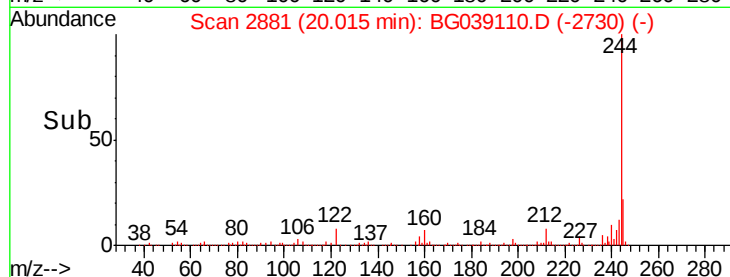
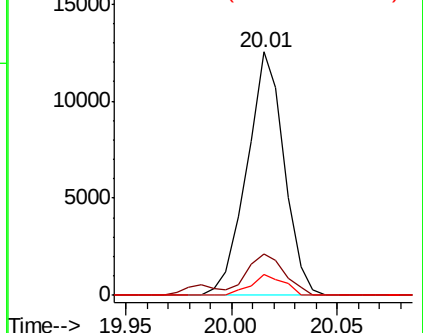
183 8.8 9.5 14.3#



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: 88.540 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039110.D

Acq: 12 Jan 2019 9:10

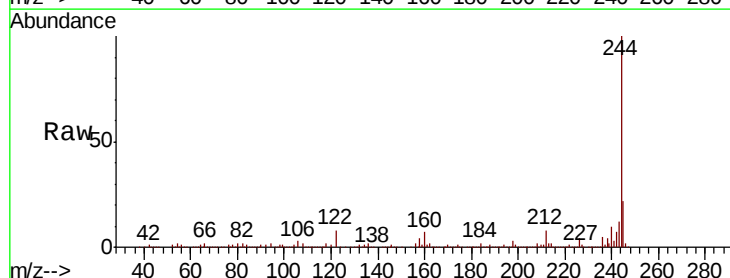
Tgt Ion:244 Resp: 974203

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

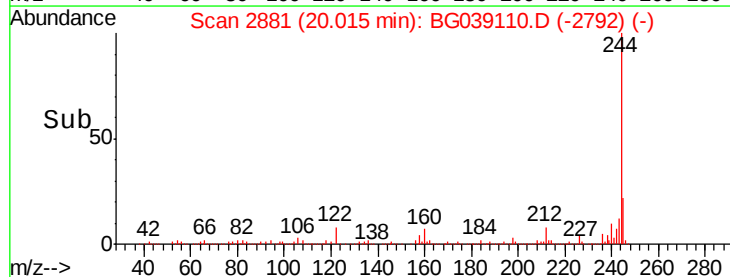
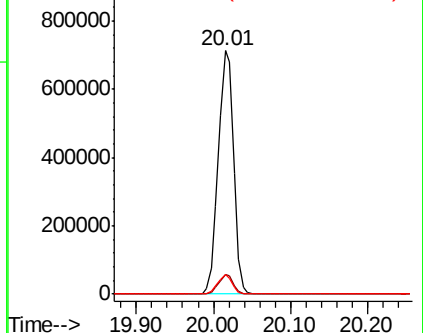
122 8.0 6.1 9.1

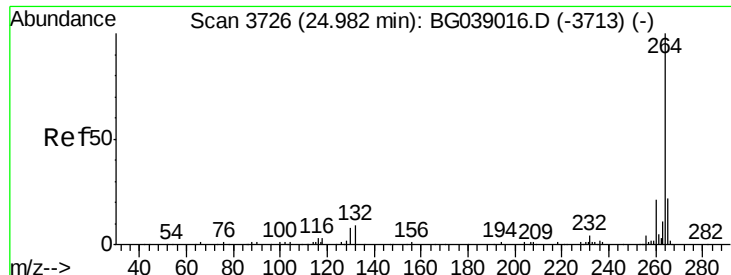


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

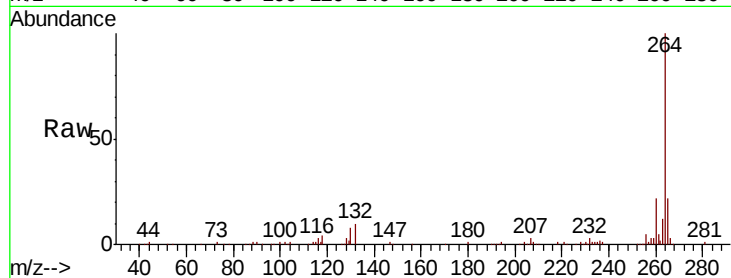




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.96 min Scan# 3723
 Delta R.T. -0.02 min
 Lab File: BG039110.D
 Acq: 12 Jan 2019 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	202091
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.0	25.6
265	21.7	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

