

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039079.D
 Acq On : 11 Jan 2019 8:23
 Operator : JU/SJ
 Sample : K1087-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 11:02:24 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

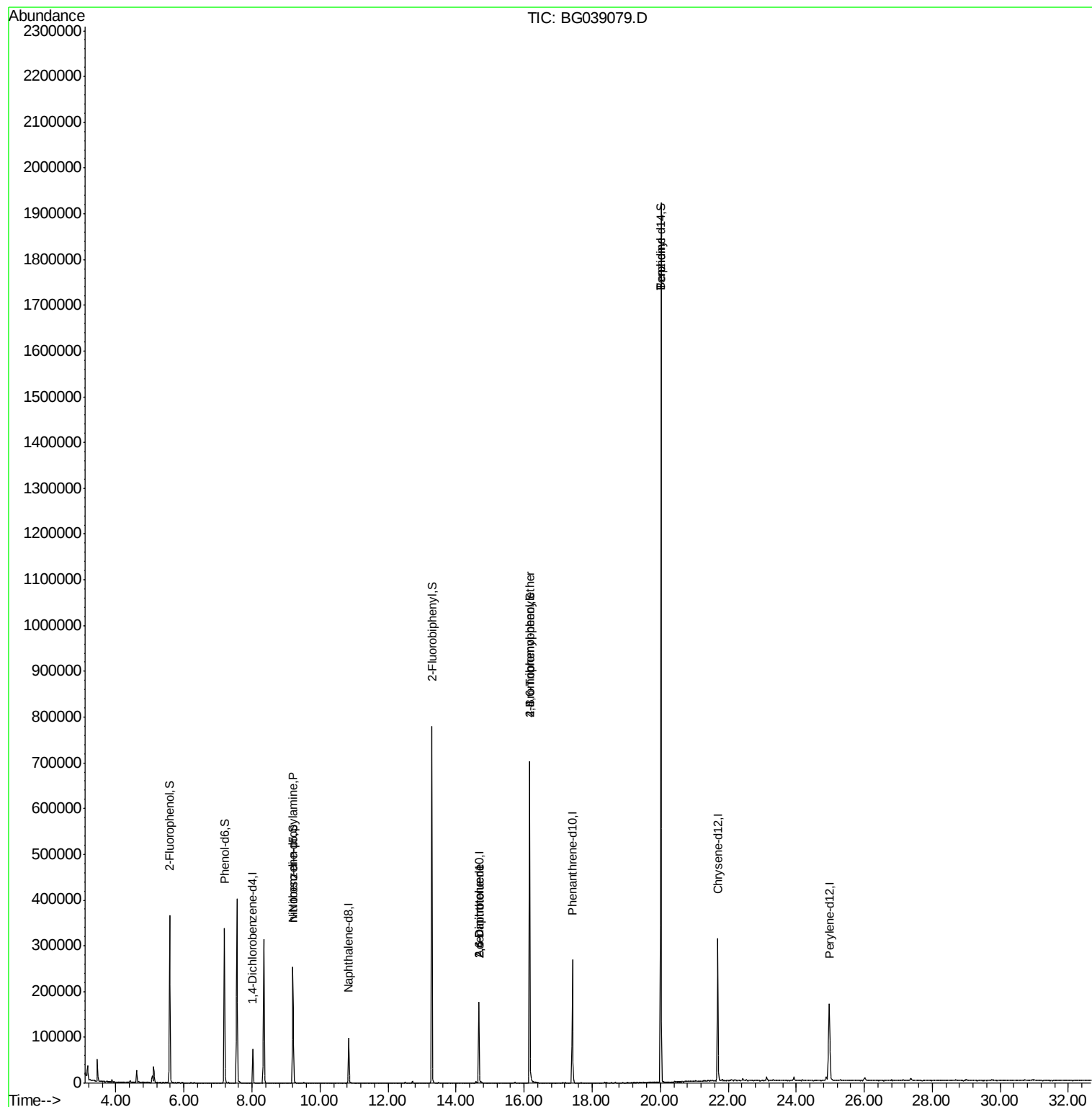
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22666	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	89446	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	64772	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	181997	20.00	ng	0.00
76) Chrysene-d12	21.70	240	208751	20.00	ng	0.00
87) Perylene-d12	24.97	264	217535	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	168282	140.84	ng	0.00
7) Phenol-d6	7.19	99	203101	118.11	ng	0.00
23) Nitrobenzene-d5	9.20	82	156525	95.76	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	163222	150.33	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	439827	92.93	ng	0.00
79) Terphenyl-d14	20.02	244	960463	85.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	20863	18.476	ng	# 65
51) 2,6-Dinitrotoluene	14.67	165	8163	6.671	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	8163	4.650	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10122	4.327	ng	# 1
77) Benzidine	20.02	184	14309	2.241	ng	# 97

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

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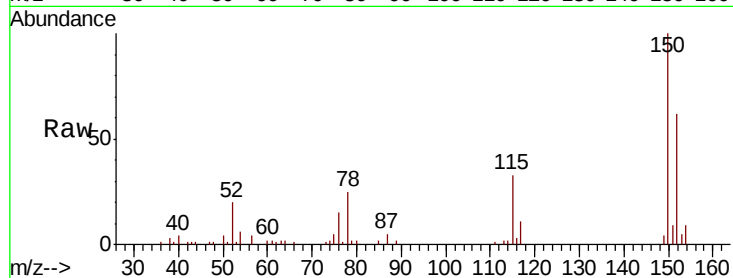


#1

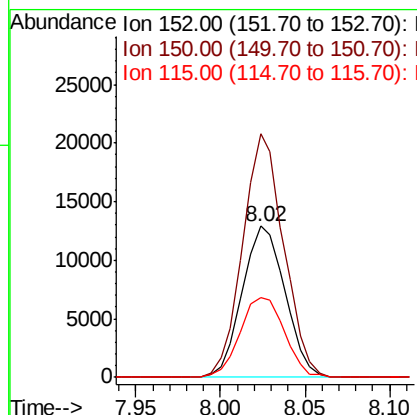
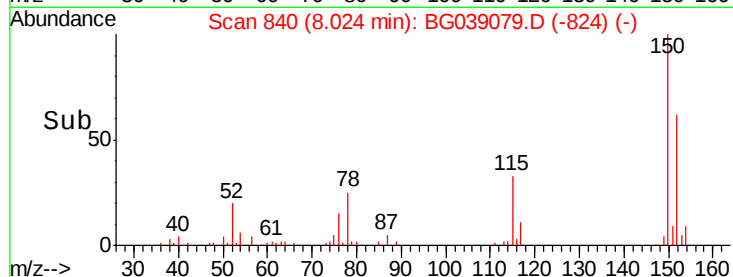
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.7	187.1
115	52.7	46.5	69.7



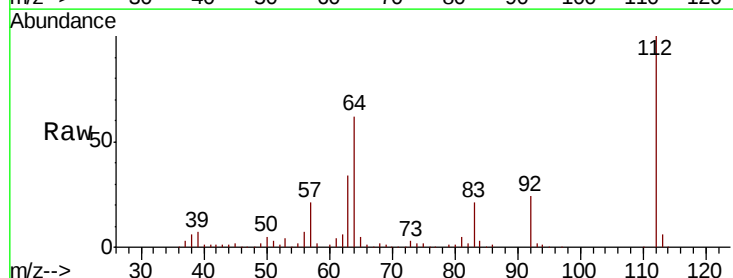
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



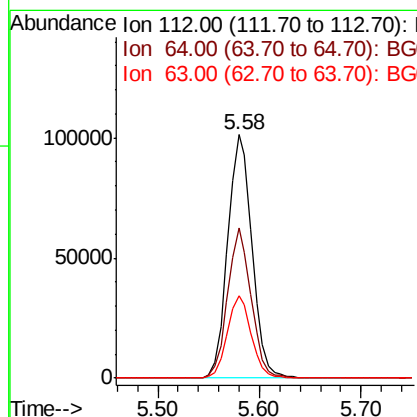
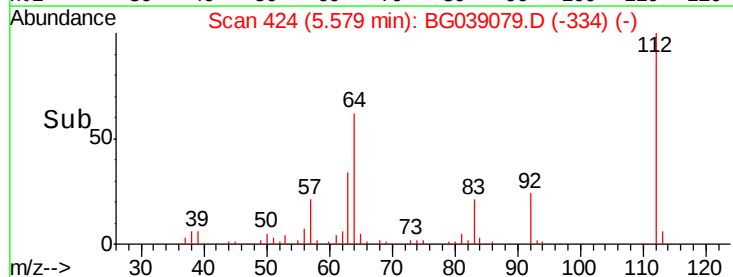
#5

2-Fluorophenol
Concen: 140.840 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.0	70.6
63	33.9	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: 118.114 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

Instrument :

BNA_G

ClientSampleId :

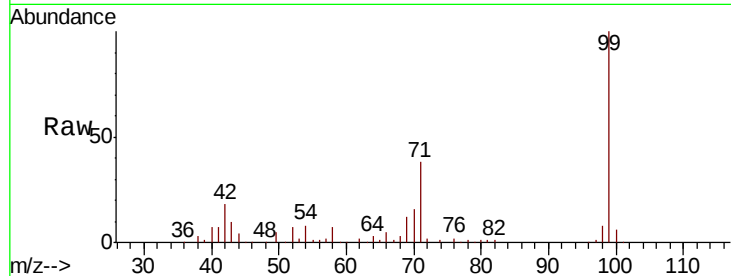
Tot Ion: 99 Resp: 203101

Ion Ratio Lower Upper

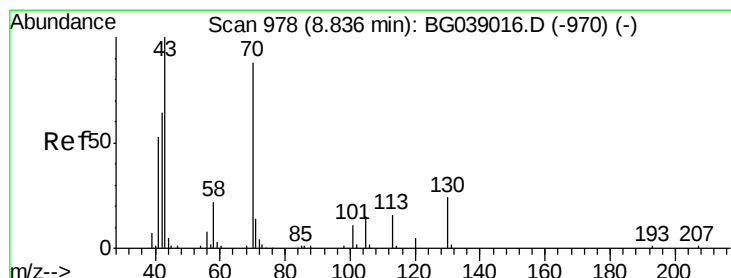
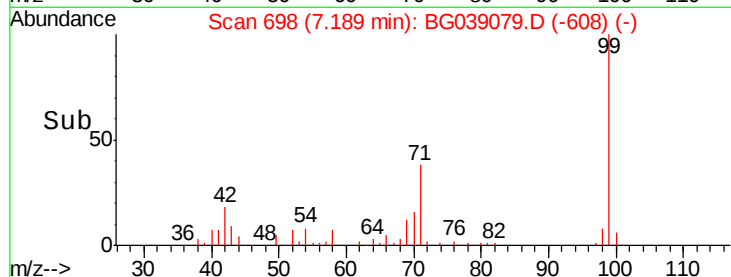
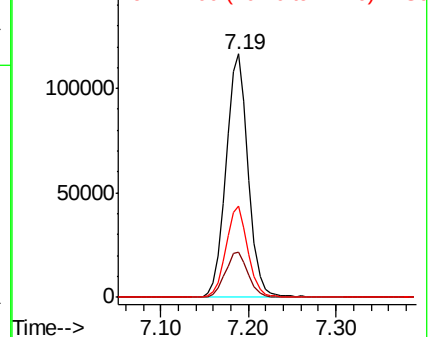
99 100

42 18.4 15.8 23.6

71 37.5 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: 18.476 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

Tgt Ion: 70 Resp: 20863

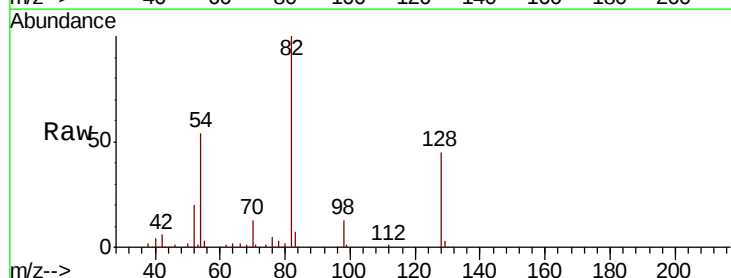
Ion Ratio Lower Upper

70 100

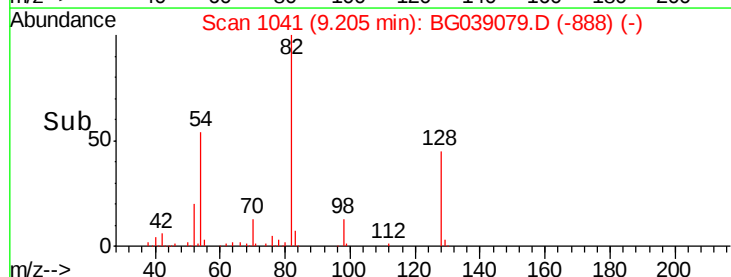
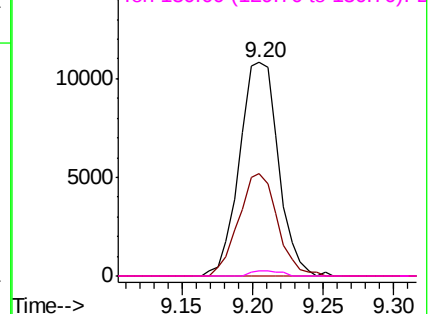
42 47.8 59.0 88.4#

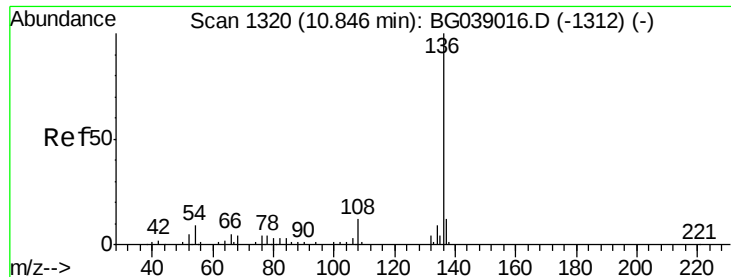
101 0.0 10.4 15.6#

130 2.3 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

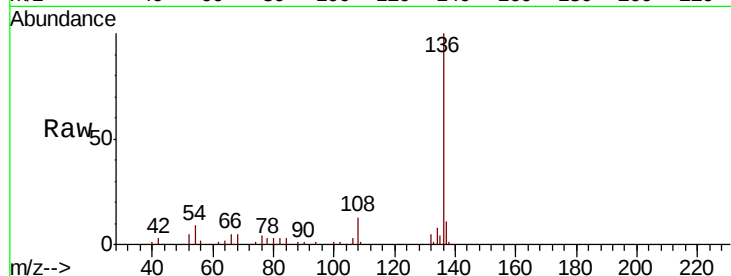




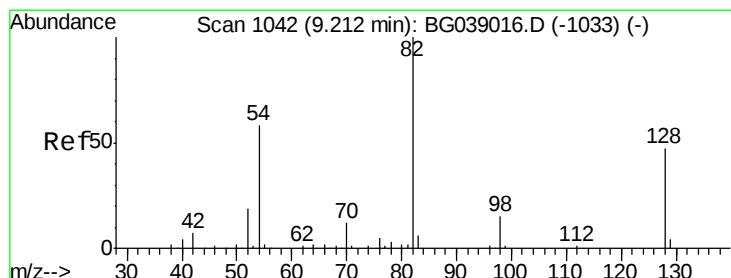
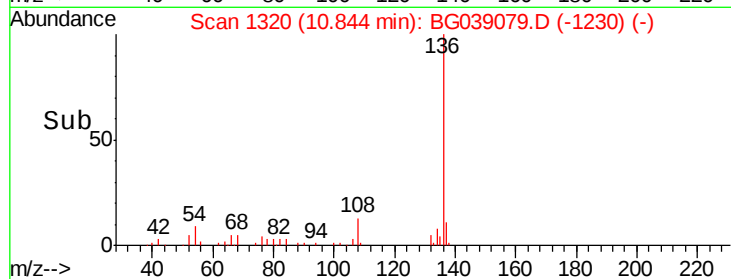
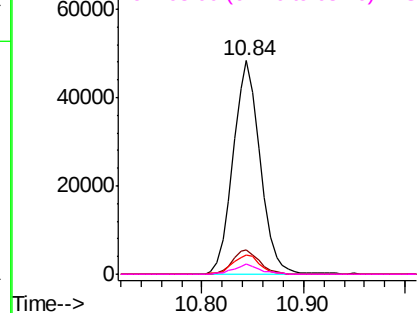
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	89446
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.4 14.2
54	9.2	7.2 10.8
68	4.9	3.5 5.3

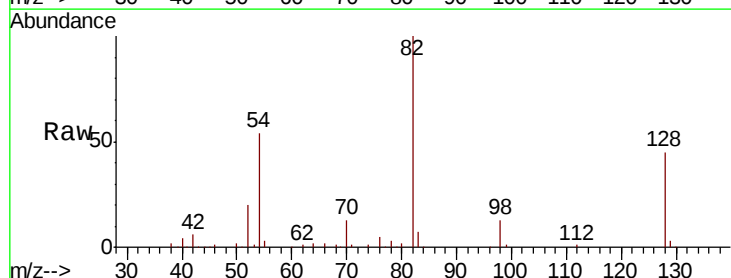


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

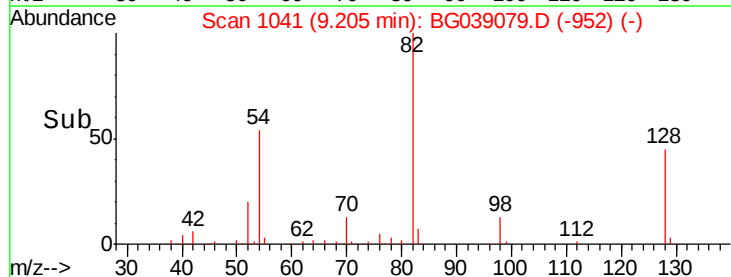
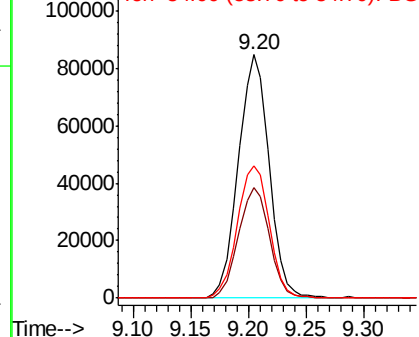


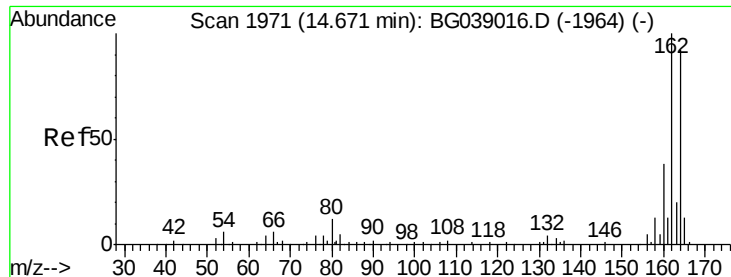
#23
Nitrobenzene-d5
Concen: 95.756 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Tgt Ion: 82	Resp:	156525
Ion Ratio	Lower	Upper
82	100	
128	45.3	37.3 55.9
54	54.4	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: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

Instrument :

BNA_G

ClientSampleId :

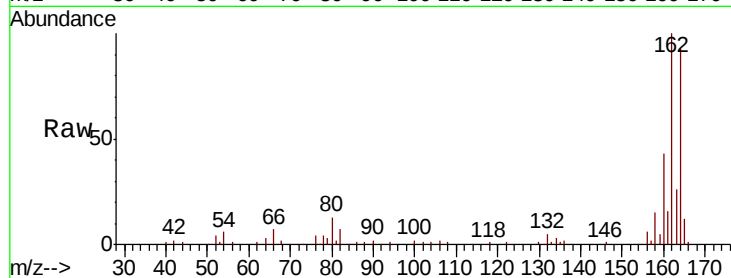
Tot Ion:164 Resp: 64772

Ion Ratio Lower Upper

164 100

162 107.9 87.2 130.8

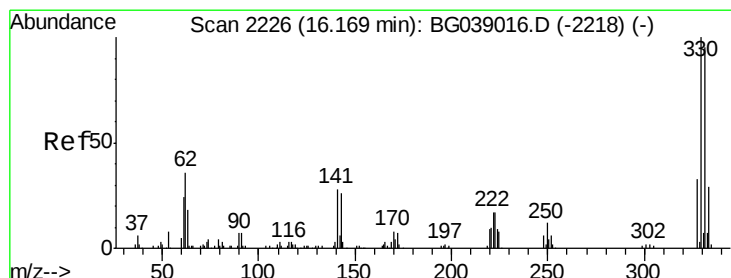
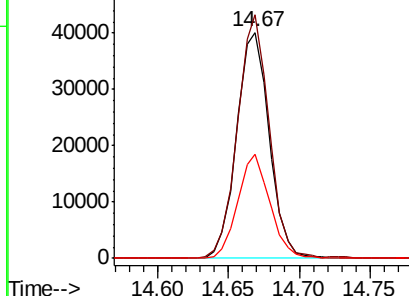
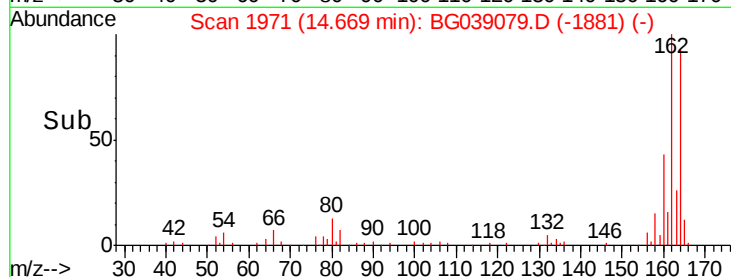
160 46.0 33.3 49.9



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: 150.330 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

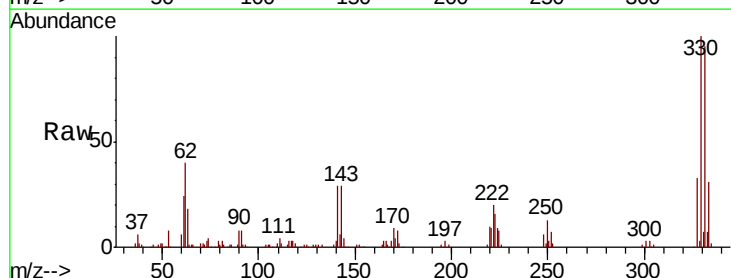
Tgt Ion:330 Resp: 163222

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

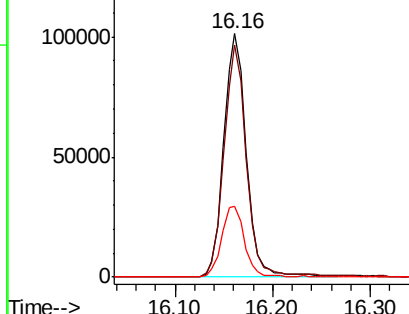
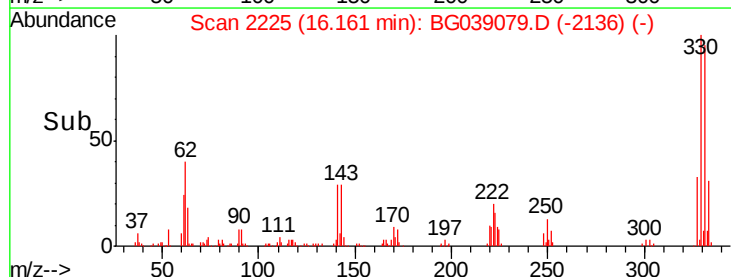
141 29.5 24.9 37.3



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

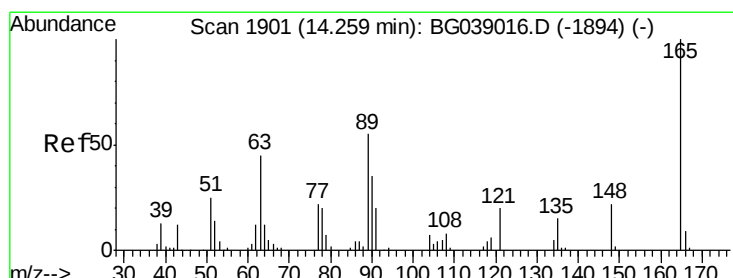
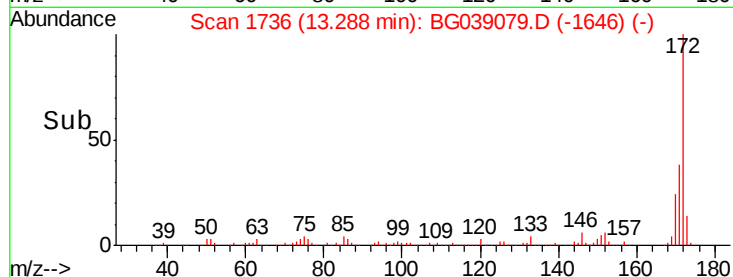
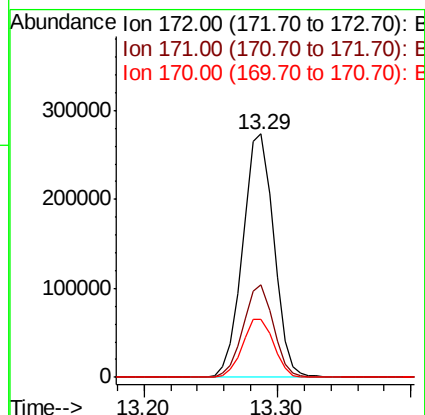
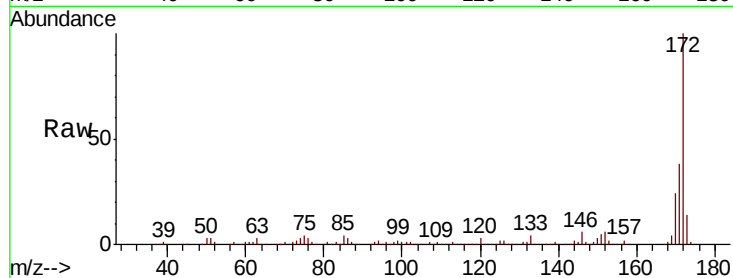




#45
 2-Fluorobiphenyl
 Concen: 92.931 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039079.D
 Acq: 11 Jan 2019 8:23

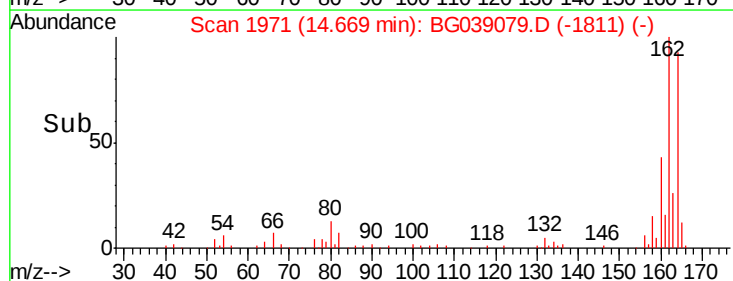
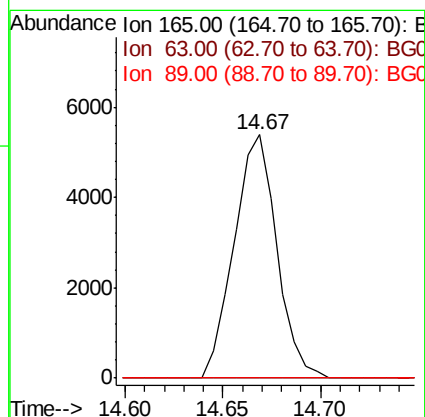
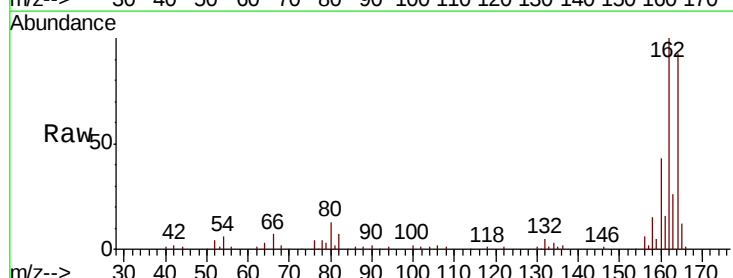
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.4	44.0
170	24.0	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.671 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039079.D
 Acq: 11 Jan 2019 8:23

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

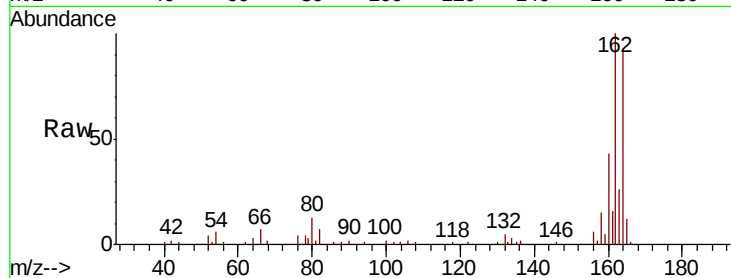




#57
2,4-Dinitrotoluene
Concen: 4.650 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.38 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

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#



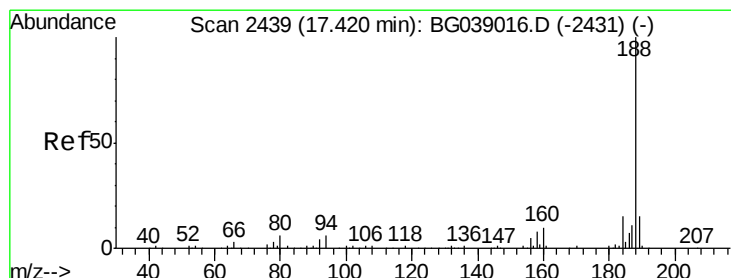
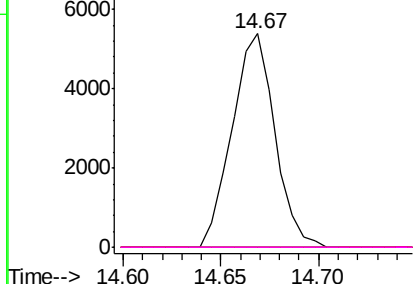
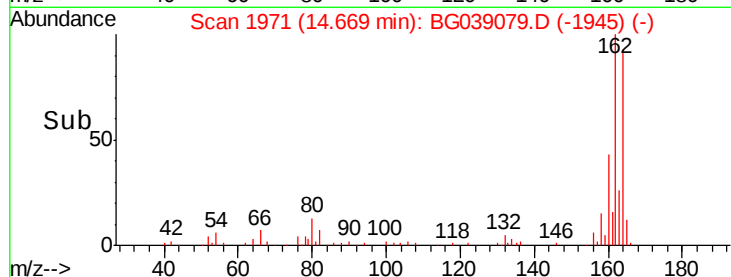
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

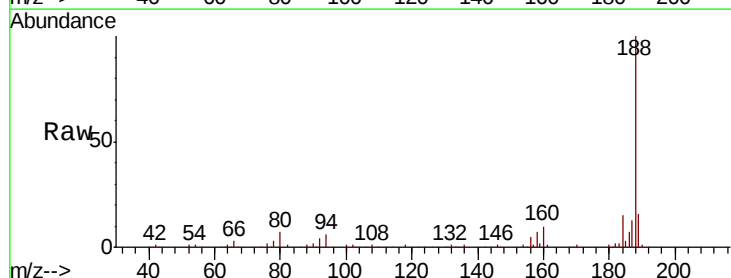
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.0	7.4
80	6.6	4.7	7.1

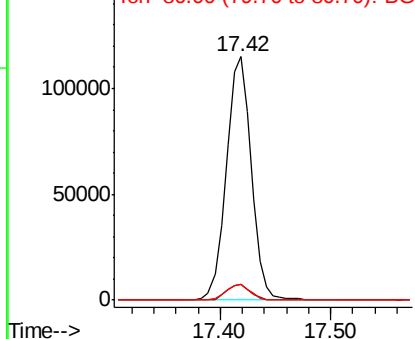
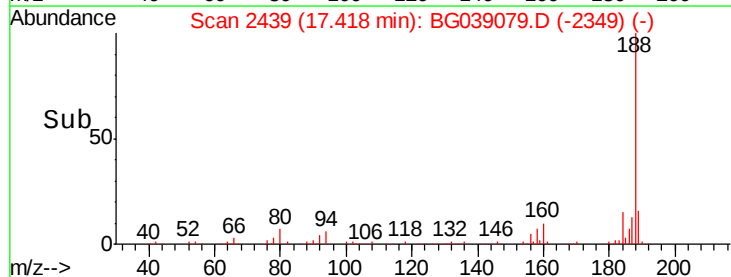


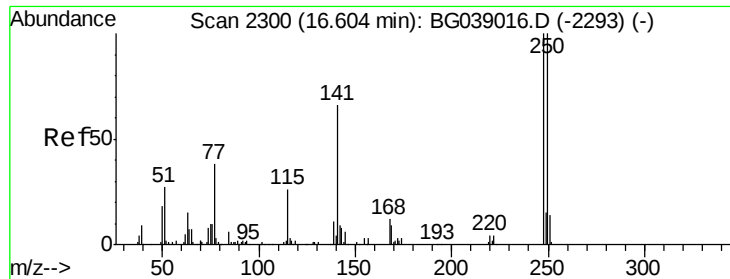
Abundance

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

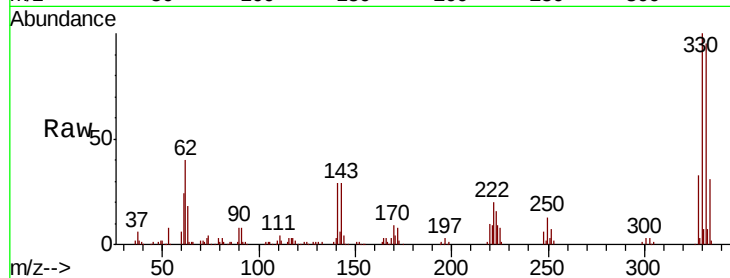




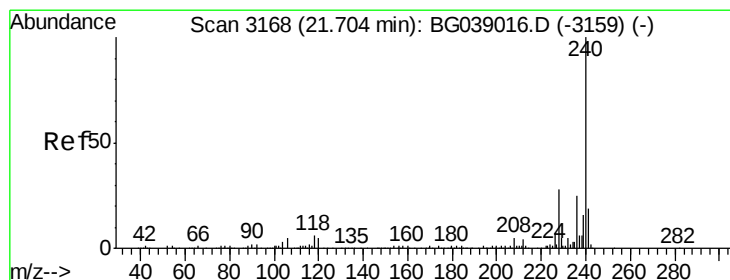
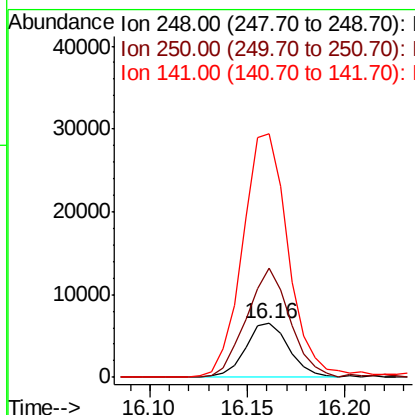
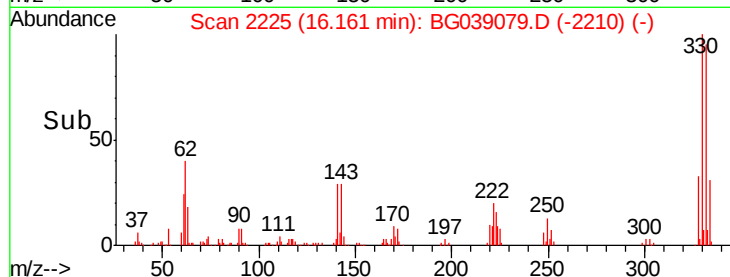
#67
4-Bromophenyl-phenylether
Concen: 4.327 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.44 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10122
Ion Ratio Lower Upper
248 100
250 257.2 79.9 119.9#
141 452.2 52.7 79.1#

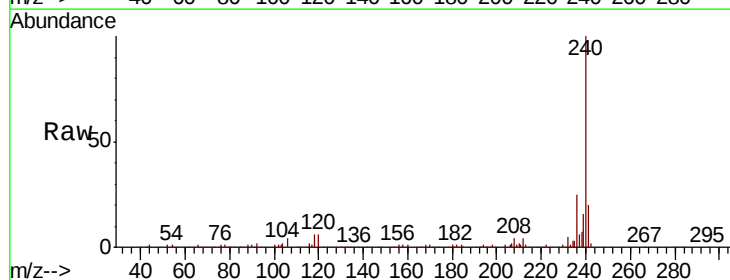


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

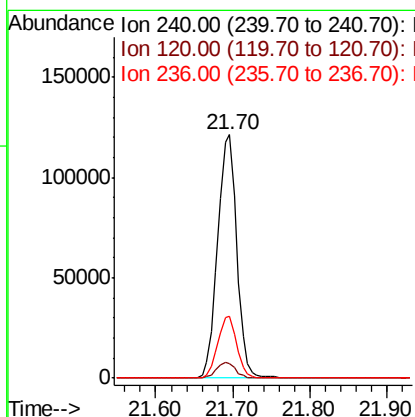
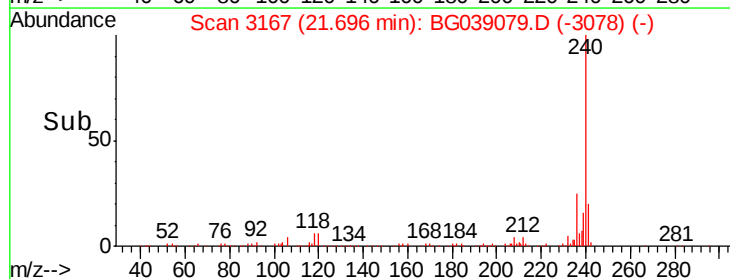


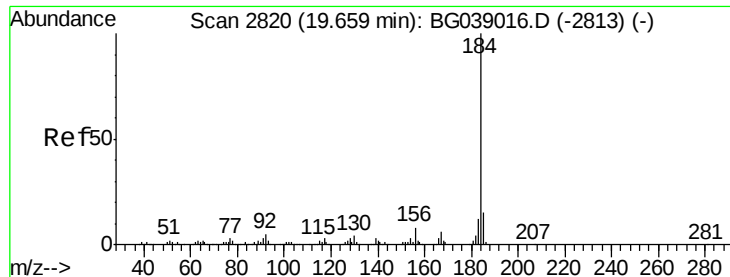
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG039079.D
Acq: 11 Jan 2019 8:23

Tgt Ion:240 Resp: 208751
Ion Ratio Lower Upper
240 100
120 6.2 4.3 6.5
236 25.3 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: 2.241 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

Instrument :

BNA_G

ClientSampleId :

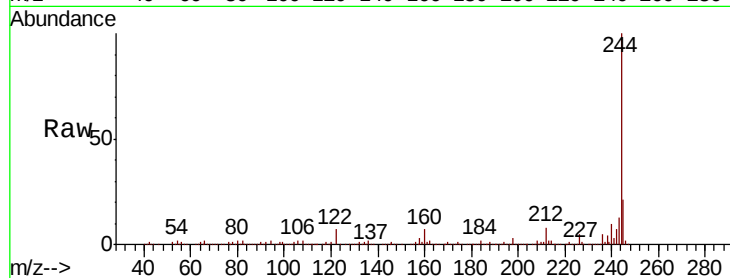
Tot Ion:184 Resp: 14309

Ion Ratio Lower Upper

184 100

185 15.2 12.1 18.1

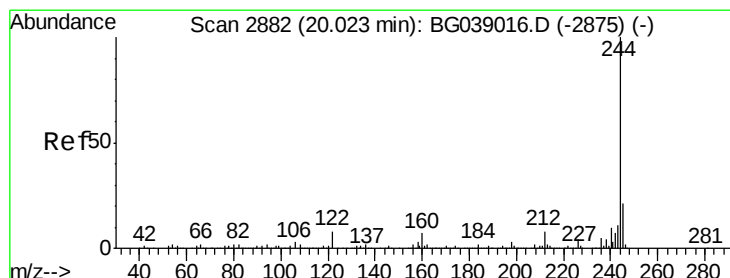
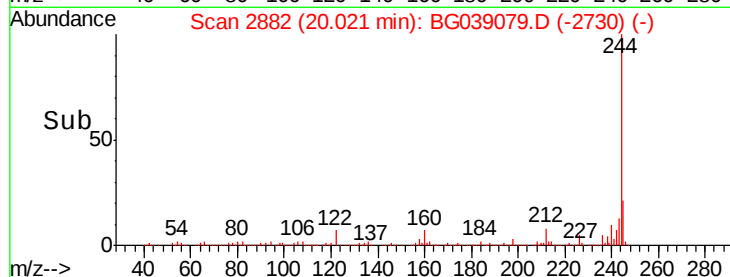
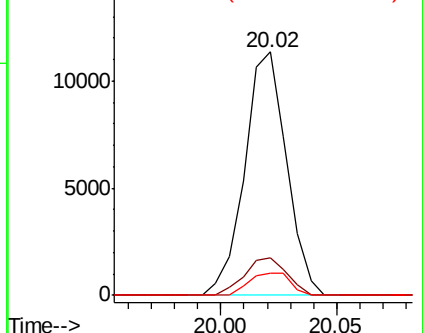
183 9.1 9.5 14.3#



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: 85.114 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039079.D

Acq: 11 Jan 2019 8:23

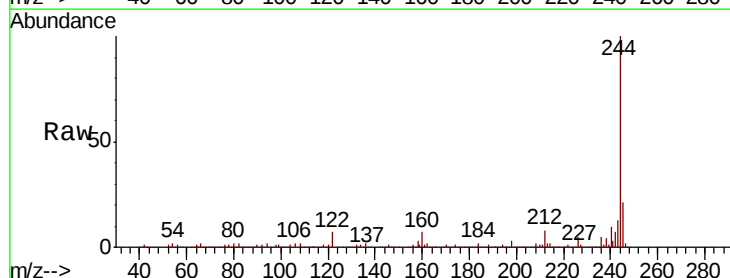
Tgt Ion:244 Resp: 960463

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

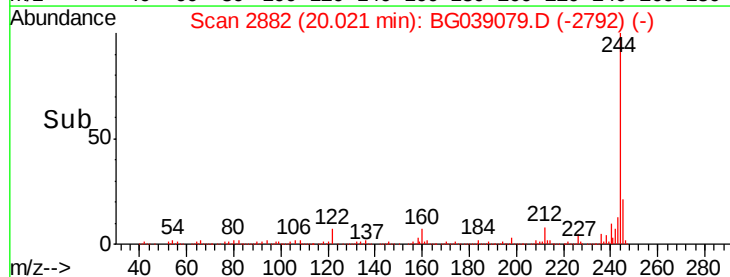
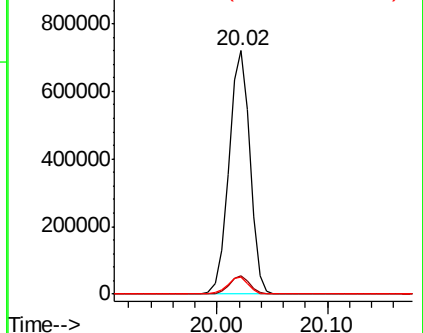
122 7.1 6.1 9.1

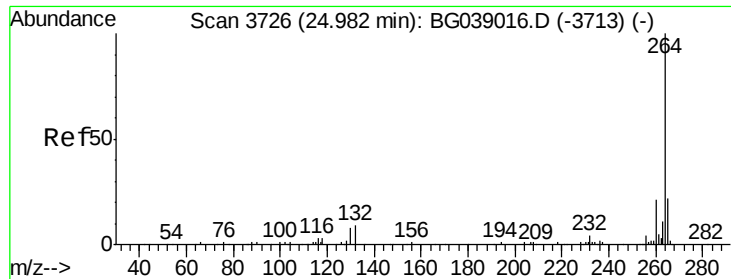


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

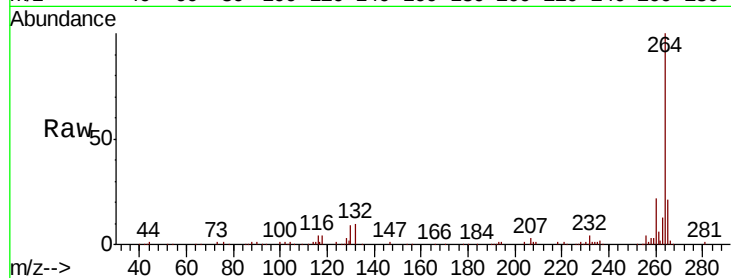




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3724
 Delta R.T. -0.01 min
 Lab File: BG039079.D
 Acq: 11 Jan 2019 8:23

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



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

