

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039094.D
 Acq On : 11 Jan 2019 20:45
 Operator : JU/SJ
 Sample : K1099-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 00:29:07 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

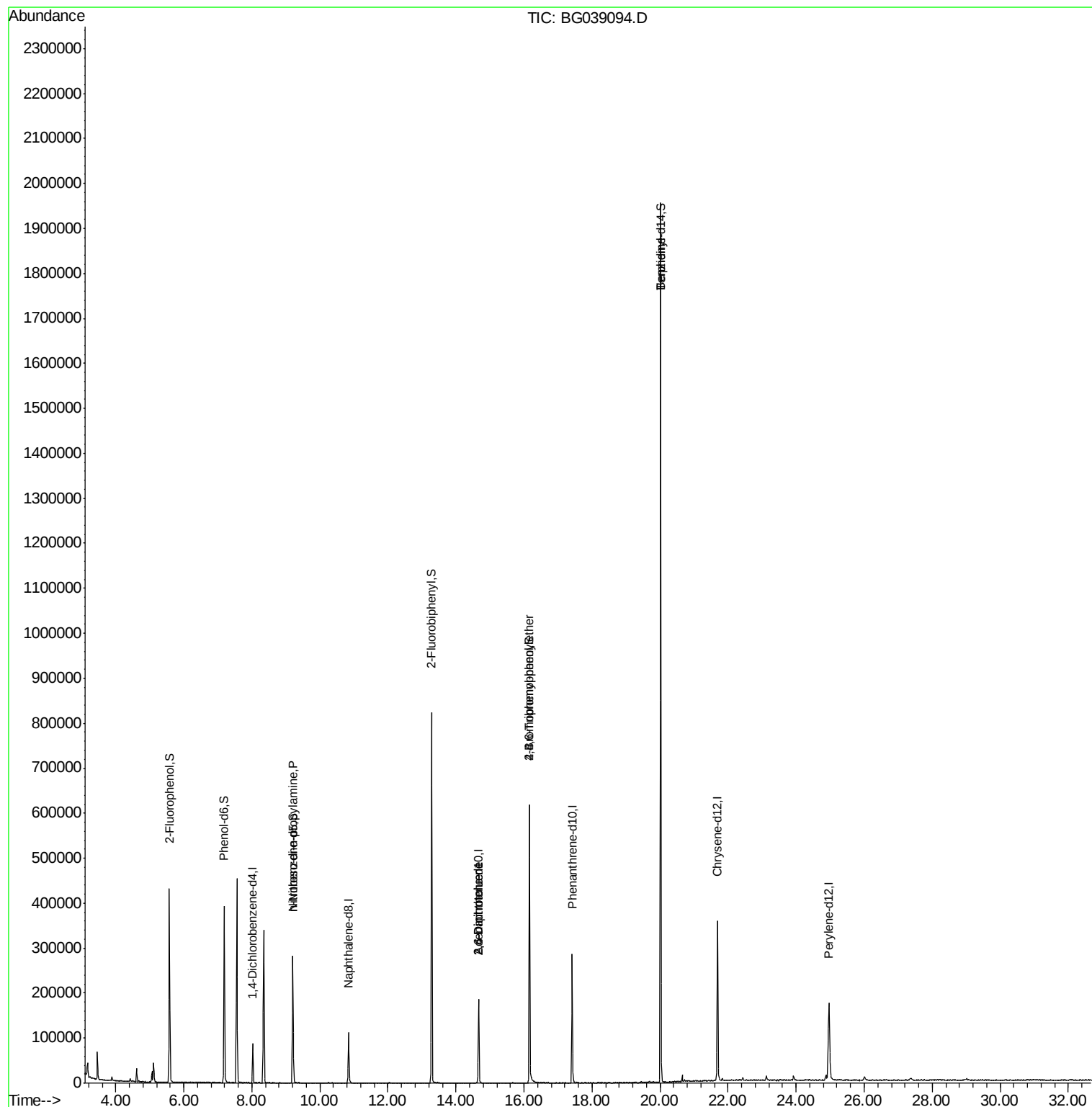
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26253	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	103597	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	69246	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	193400	20.00	ng	0.00
76) Chrysene-d12	21.69	240	230725	20.00	ng	-0.02
87) Perylene-d12	24.97	264	224352	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	202259	146.15	ng	0.00
7) Phenol-d6	7.19	99	245164	123.10	ng	0.00
23) Nitrobenzene-d5	9.20	82	176127	93.03	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	138307	119.15	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	454561	89.84	ng	0.00
79) Terphenyl-d14	20.02	244	985039	78.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	22733	17.382	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	9296	7.106	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	9296	4.953	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	9263	3.726	ng	# 1
77) Benzidine	20.02	184	15145	2.146	ng	96

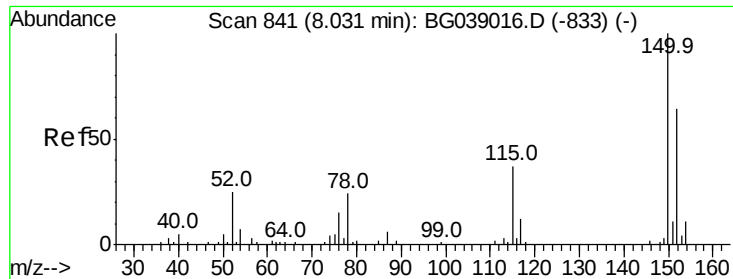
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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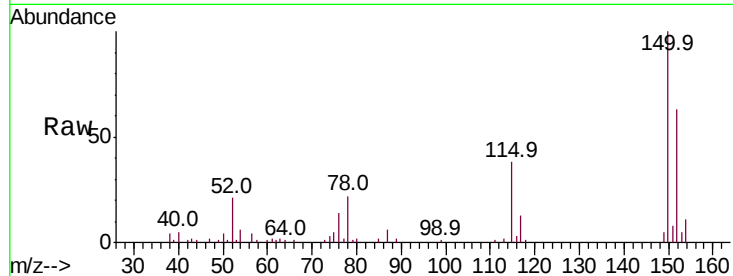


#1

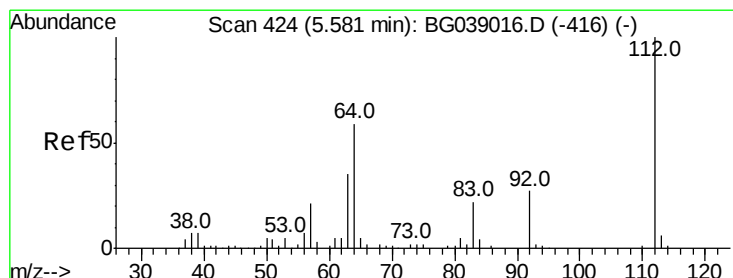
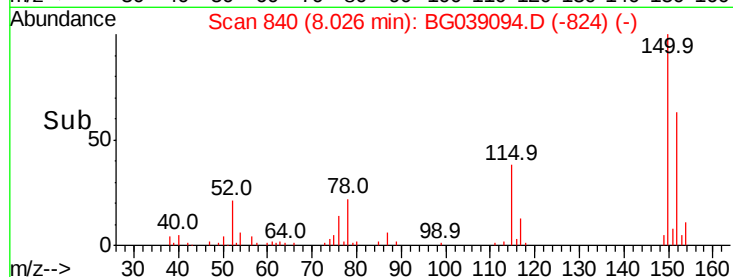
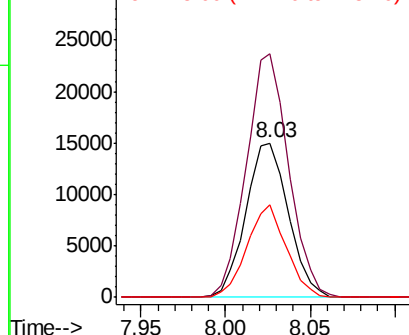
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26253
Ion Ratio Lower Upper
152 100
150 157.5 124.7 187.1
115 60.1 46.5 69.7



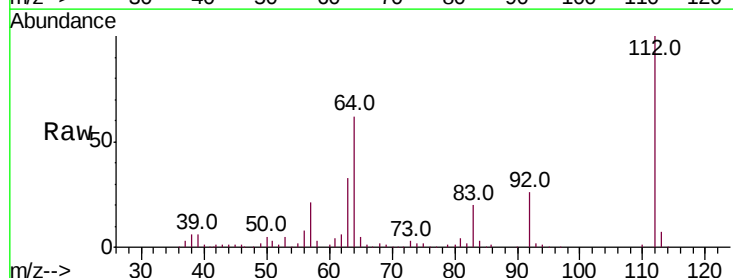
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



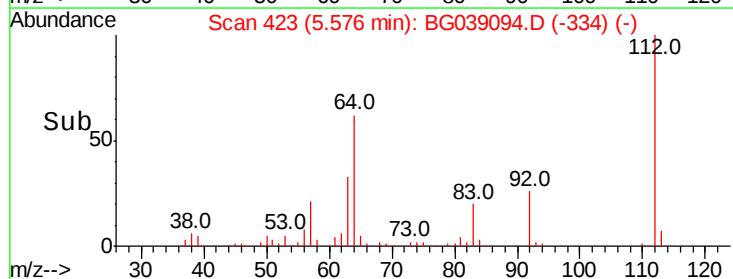
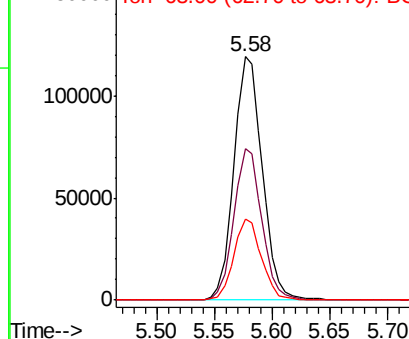
#5

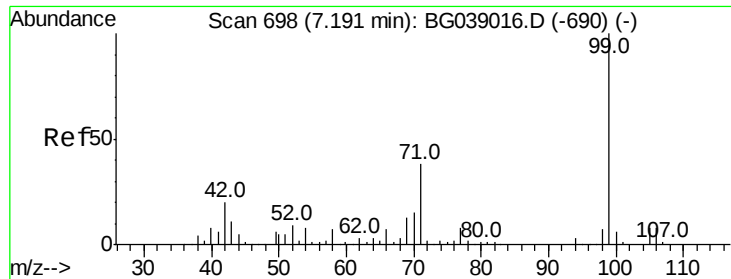
2-Fluorophenol
Concen: 146.148 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

Tgt Ion:112 Resp: 202259
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.6
63 33.1 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: 123.095 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

Instrument :

BNA_G

ClientSampleId :

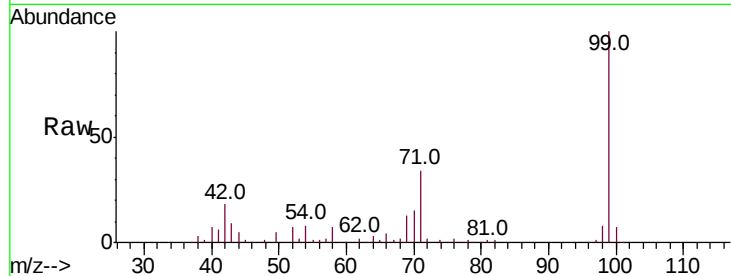
Tot Ion: 99 Resp: 245164

Ion Ratio Lower Upper

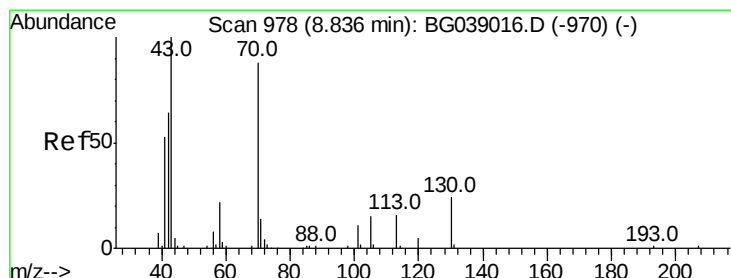
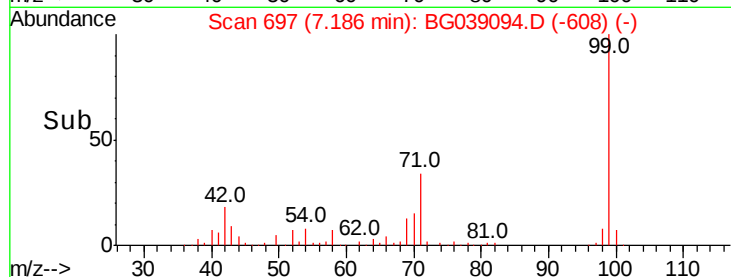
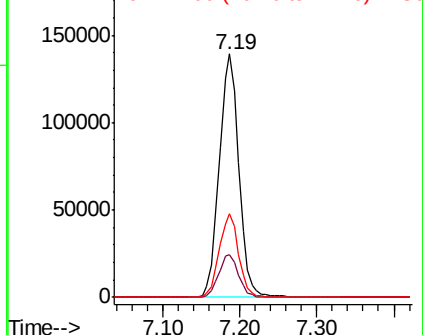
99 100

42 17.7 15.8 23.6

71 34.2 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: 17.382 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.37 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

Tgt Ion: 70 Resp: 22733

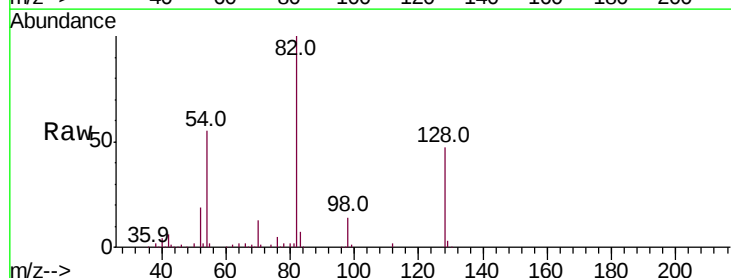
Ion Ratio Lower Upper

70 100

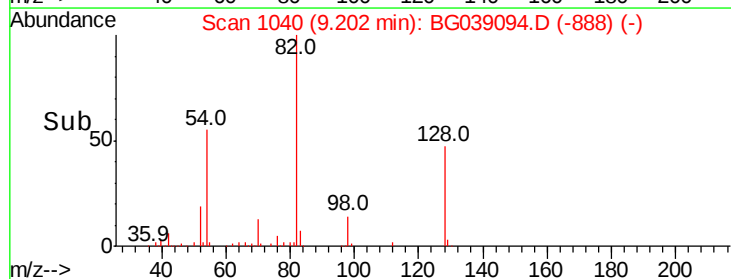
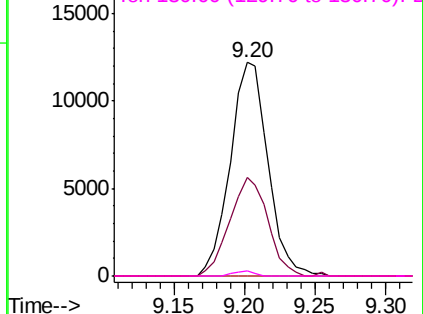
42 46.0 59.0 88.4#

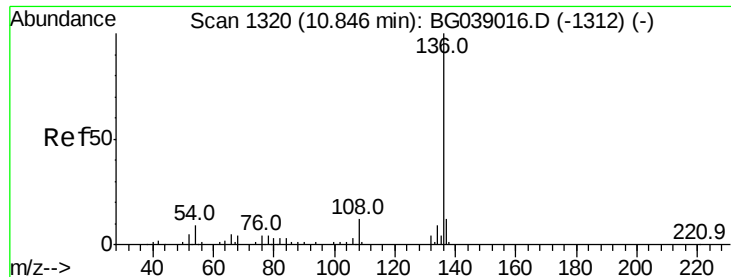
101 0.0 10.4 15.6#

130 2.4 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

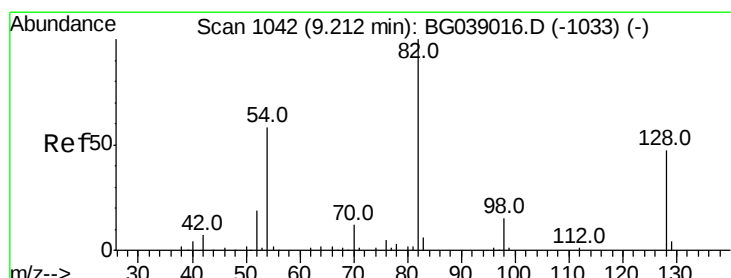
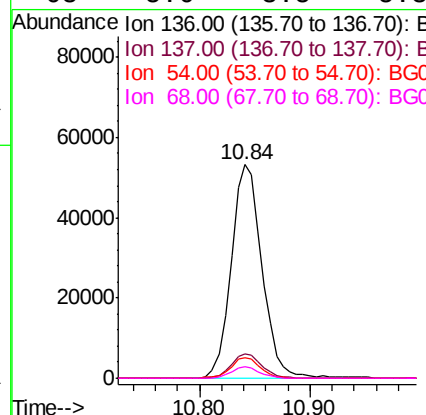
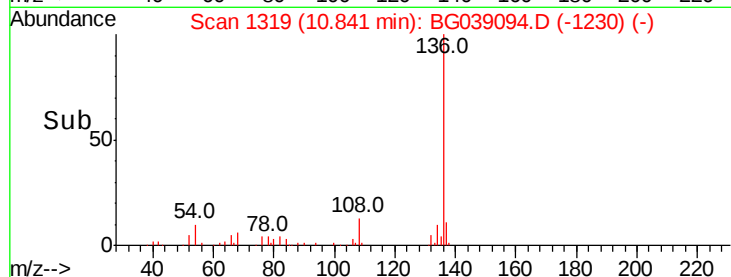
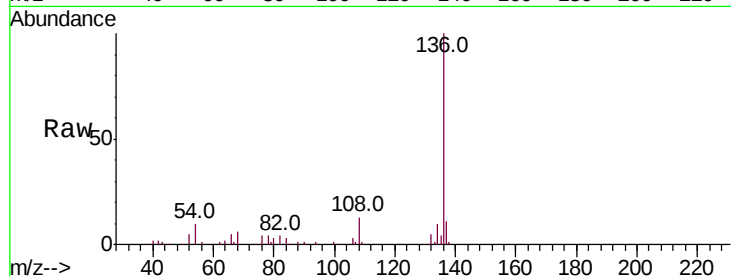




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

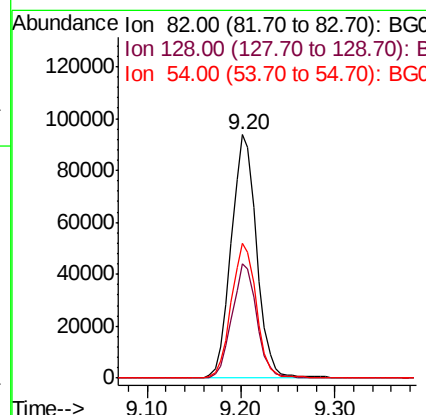
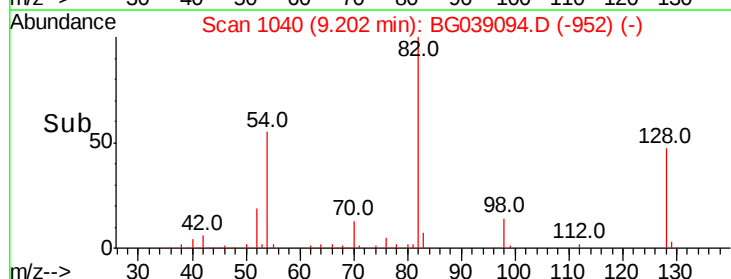
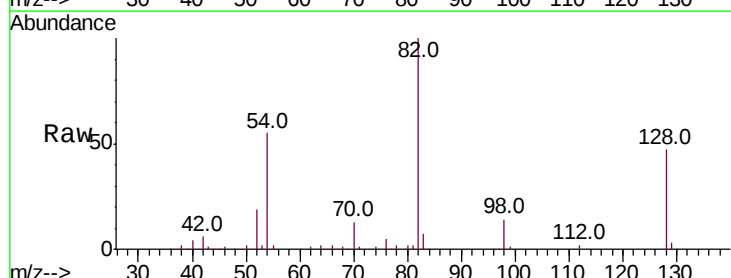
Instrument :
BNA_G
ClientSampleId :

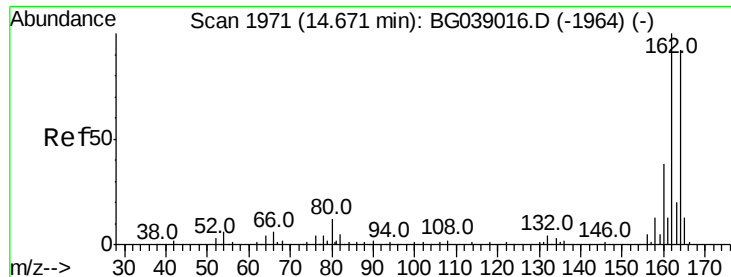
Tot Ion:136	Resp:	103597
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.4 14.2
54	9.5	7.2 10.8
68	5.6	3.5 5.3#



#23
Nitrobenzene-d5
Concen: 93.029 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

Tgt Ion: 82	Resp:	176127
Ion Ratio	Lower	Upper
82	100	
128	46.8	37.3 55.9
54	55.5	46.4 69.6

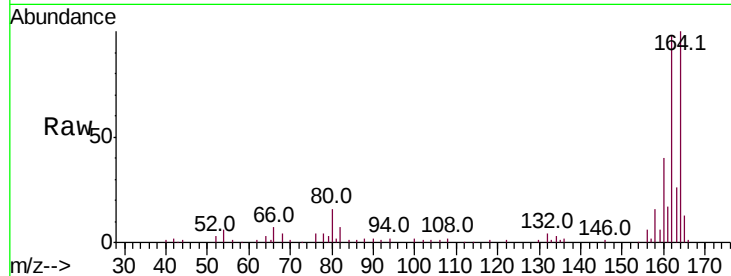




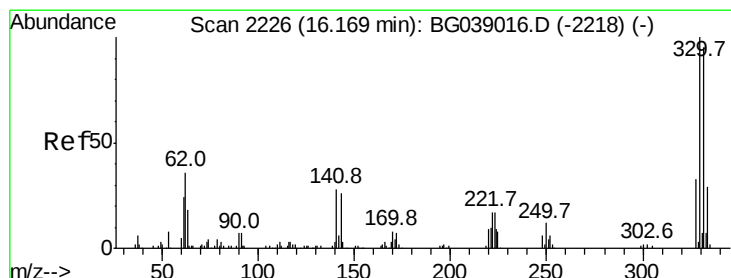
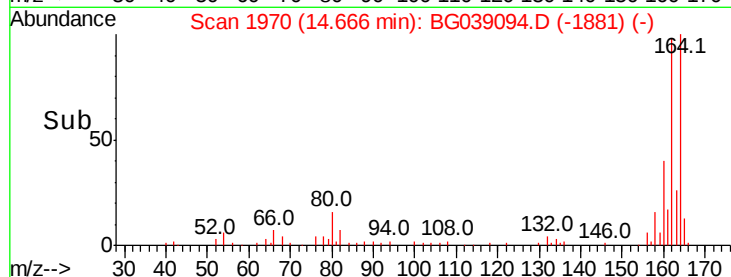
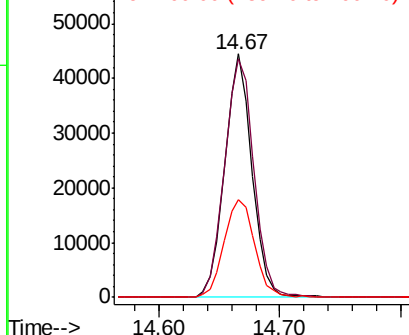
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 69246
Ion Ratio Lower Upper
164 100
162 98.1 87.2 130.8
160 40.0 33.3 49.9

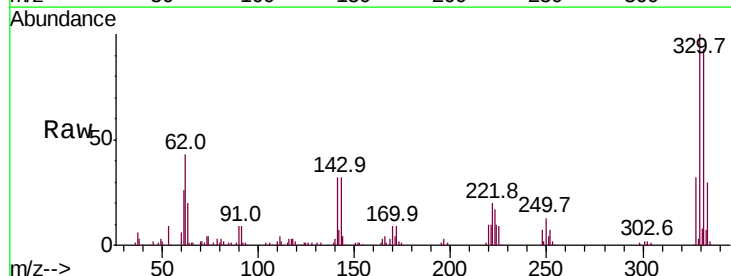


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

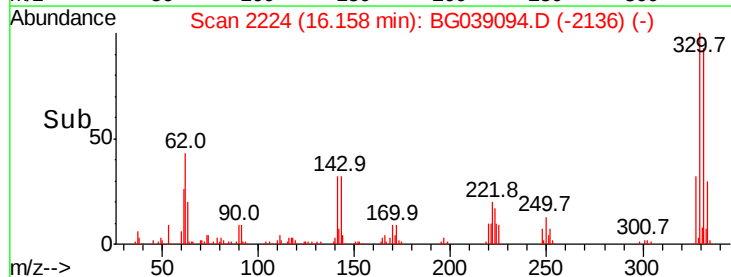
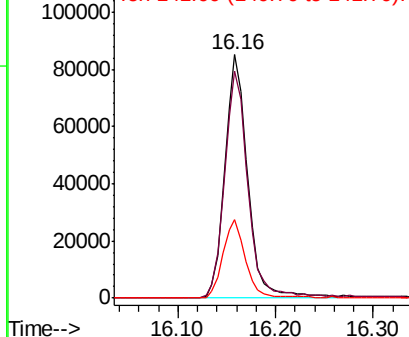


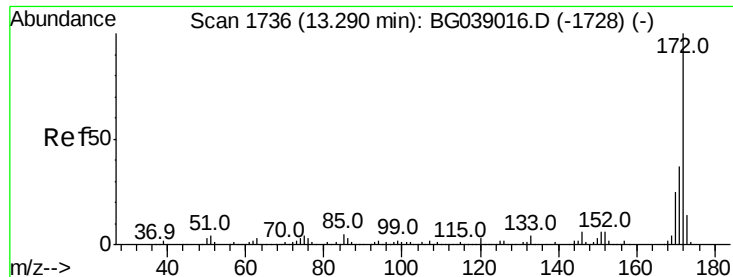
#42
2,4,6-Tribromophenol
Concen: 119.153 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG039094.D
Acq: 11 Jan 2019 20:45

Tgt Ion:330 Resp: 138307
Ion Ratio Lower Upper
330 100
332 95.7 75.7 113.5
141 32.1 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

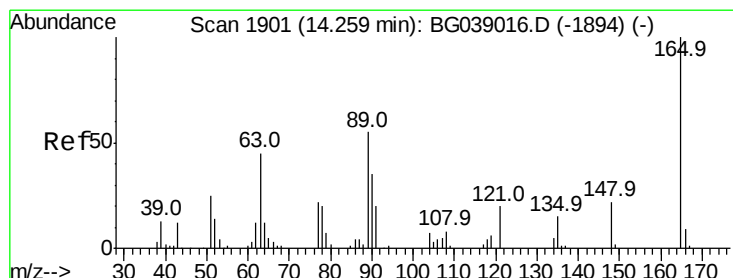
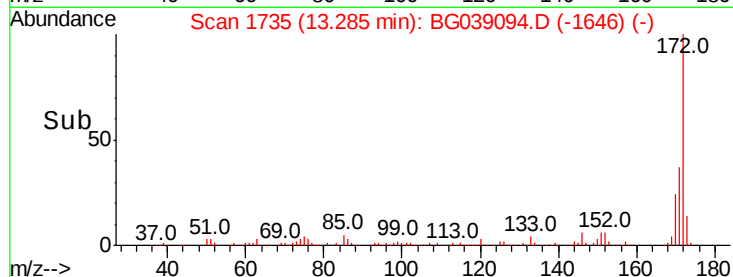
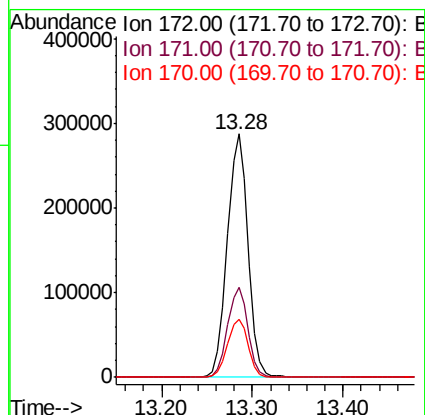
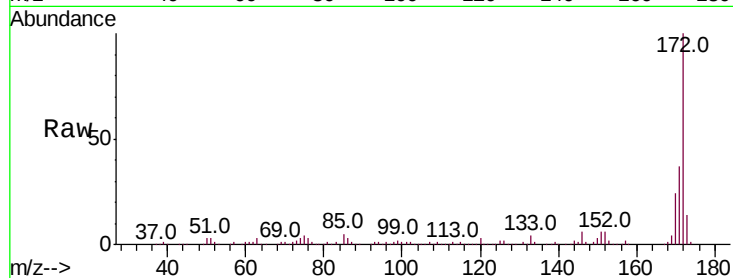




#45
 2-Fluorobiphenyl
 Concen: 89.839 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG039094.D
 Acq: 11 Jan 2019 20:45

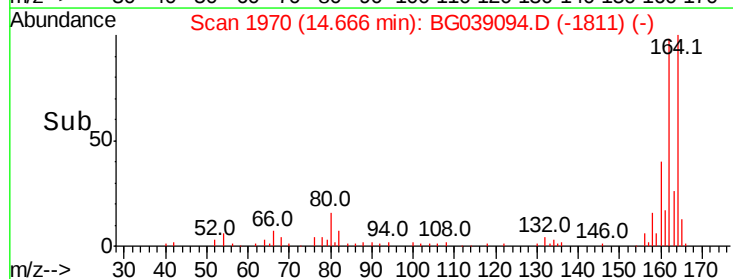
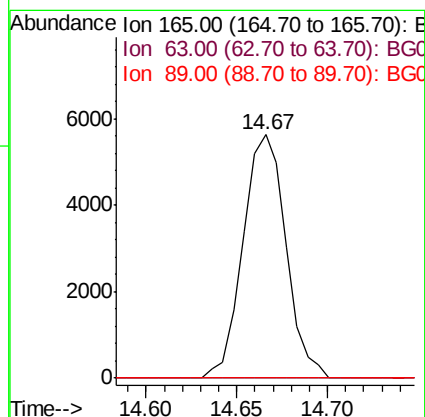
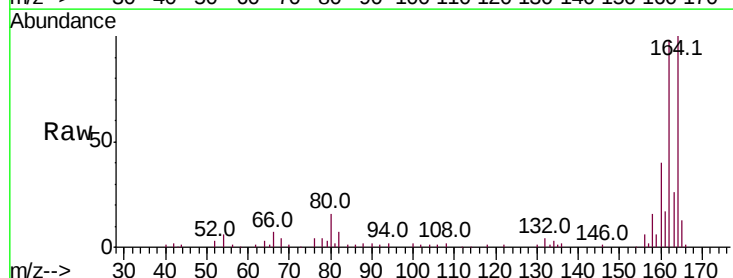
Instrument :
 BNA_G
 ClientSampleId :

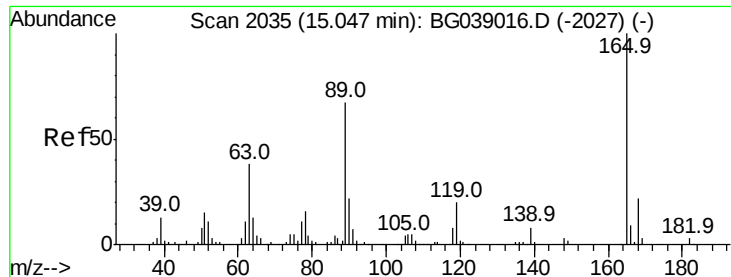
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	23.8	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.106 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.41 min
 Lab File: BG039094.D
 Acq: 11 Jan 2019 20:45

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

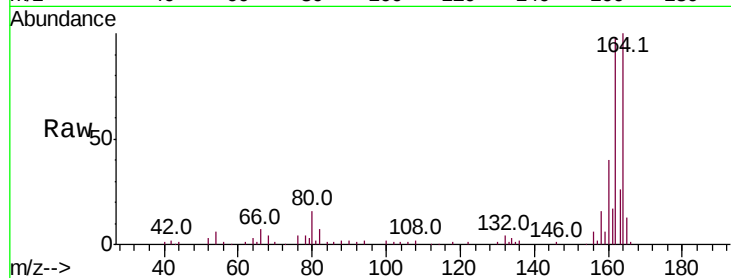




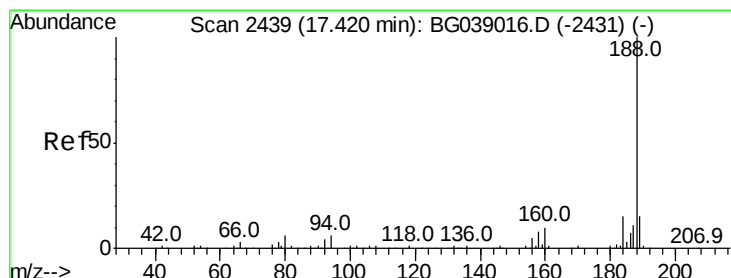
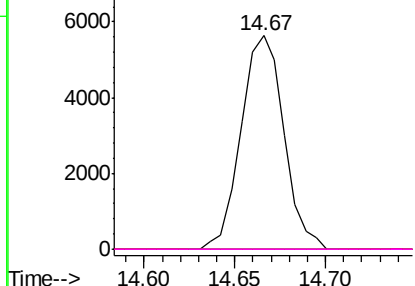
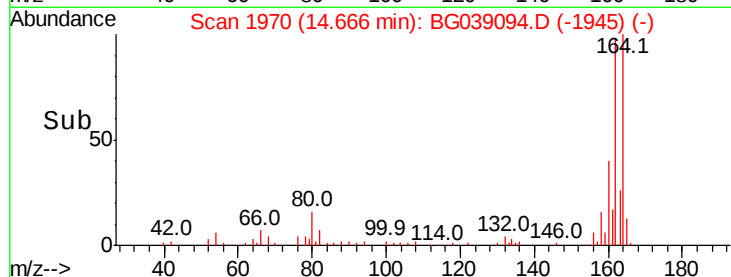
#57
 2,4-Dinitrotoluene
 Concen: 4.953 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039094.D
 Acq: 11 Jan 2019 20:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9296
 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#

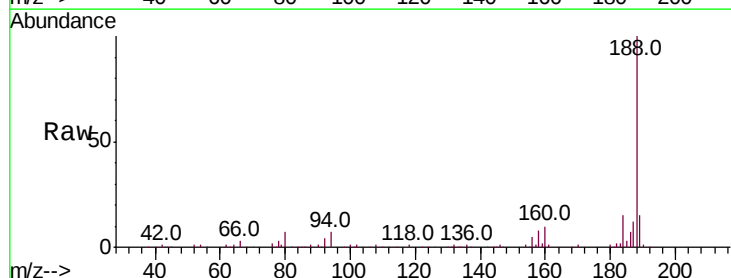


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

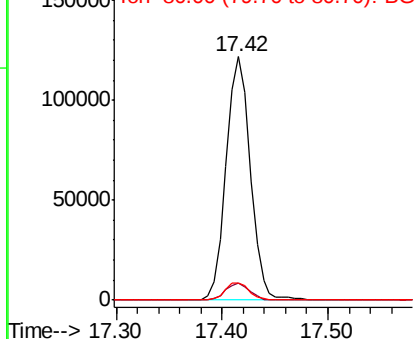
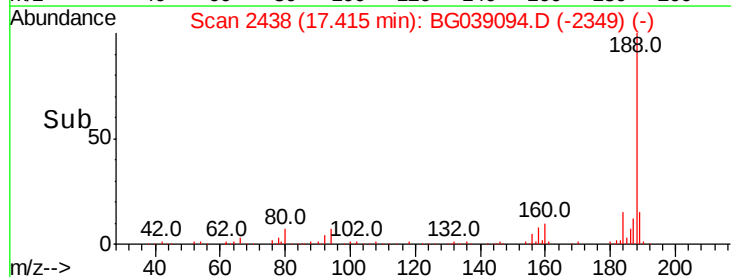


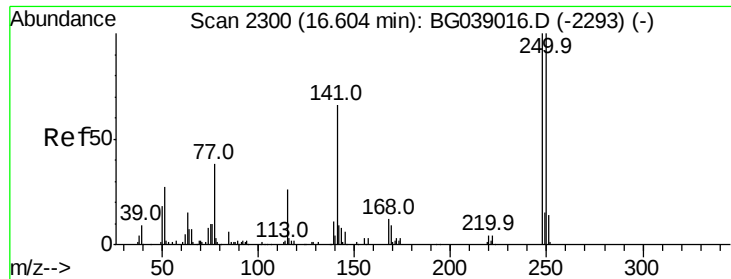
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG039094.D
 Acq: 11 Jan 2019 20:45

Tgt Ion:188 Resp: 193400
 Ion Ratio Lower Upper
 188 100
 94 7.1 5.0 7.4
 80 7.1 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: 3.726 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

Instrument :

BNA_G

ClientSampleId :

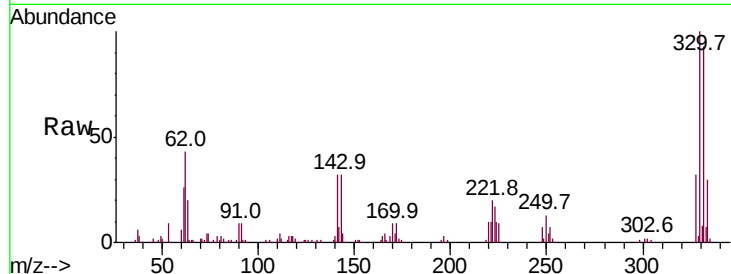
Tot Ion:248 Resp: 9263

Ion Ratio Lower Upper

248 100

250 145.0 79.9 119.9#

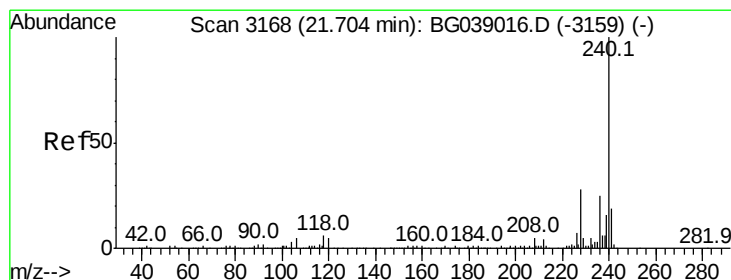
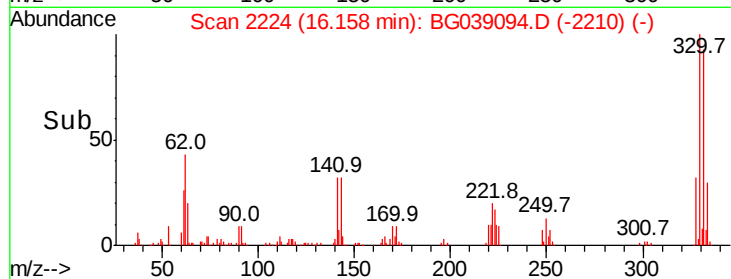
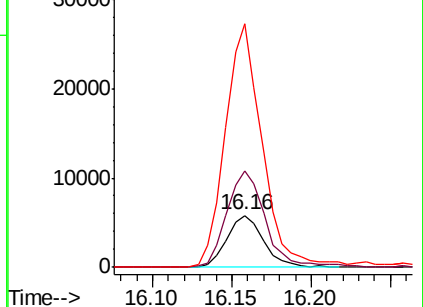
141 364.6 52.7 79.1#



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: 21.69 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

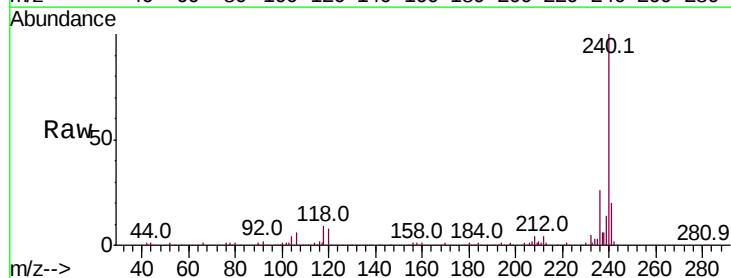
Tgt Ion:240 Resp: 230725

Ion Ratio Lower Upper

240 100

120 8.3 4.3 6.5#

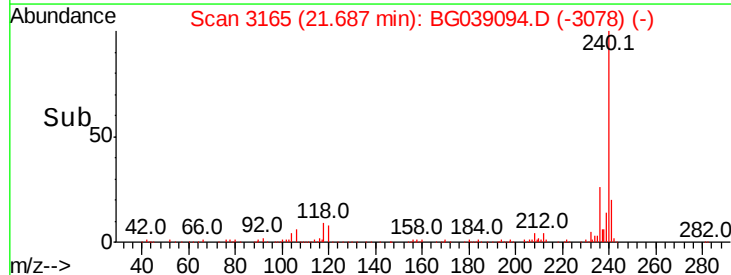
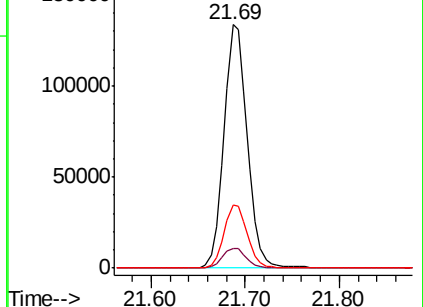
236 25.8 20.1 30.1

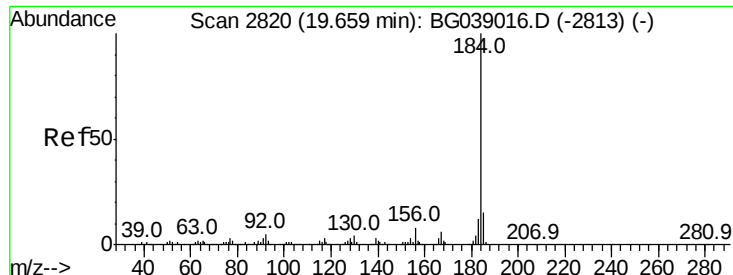


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.146 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

Instrument :

BNA_G

ClientSampled :

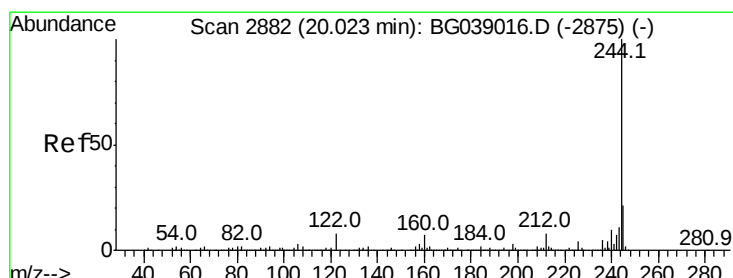
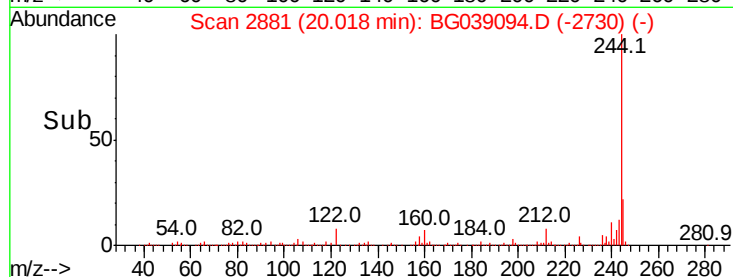
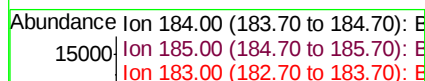
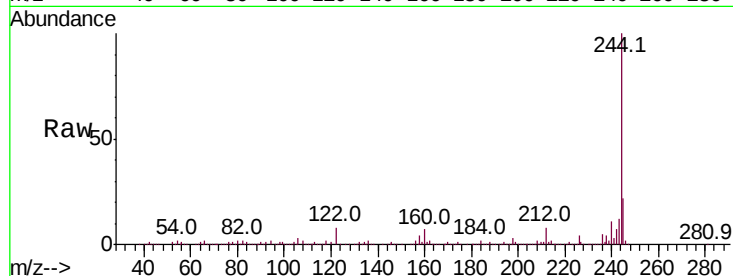
Tot Ion:184 Resp: 15145

Ion Ratio Lower Upper

184 100

185 17.2 12.1 18.1

183 10.5 9.5 14.3



#79

Terphenyl-d14

Concen: 78.978 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG039094.D

Acq: 11 Jan 2019 20:45

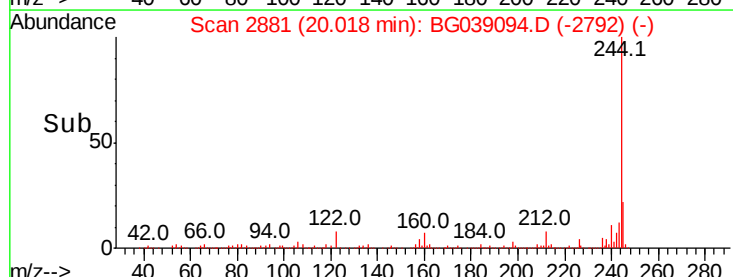
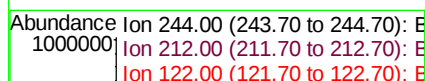
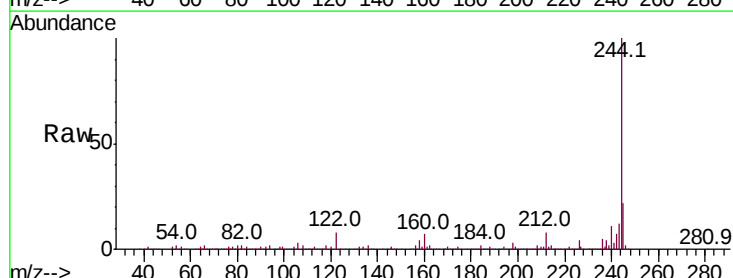
Tgt Ion:244 Resp: 985039

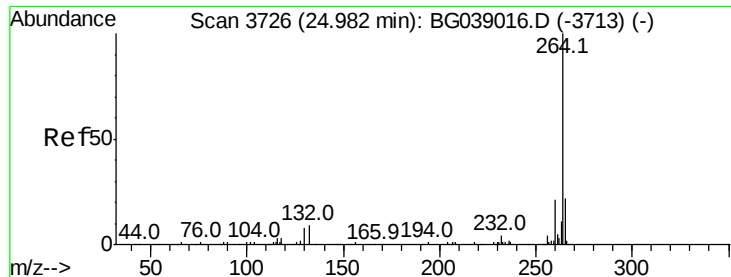
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 7.7 6.1 9.1





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3723
 Delta R.T. -0.02 min
 Lab File: BG039094.D
 Acq: 11 Jan 2019 20:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.0	25.6
265	21.7	17.2	25.8

