

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039080.D
 Acq On : 11 Jan 2019 9:02
 Operator : JU/SJ
 Sample : K1094-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 11:02:33 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	24526	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	93393	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	65440	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	177742	20.00	ng	0.00
76) Chrysene-d12	21.69	240	203203	20.00	ng	-0.01
87) Perylene-d12	24.97	264	214876	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	180958	139.96	ng	0.00
7) Phenol-d6	7.19	99	217490	116.89	ng	0.00
23) Nitrobenzene-d5	9.20	82	162515	95.22	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	161053	146.82	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	457220	95.62	ng	0.00
79) Terphenyl-d14	20.02	244	988714	90.01	ng	0.00

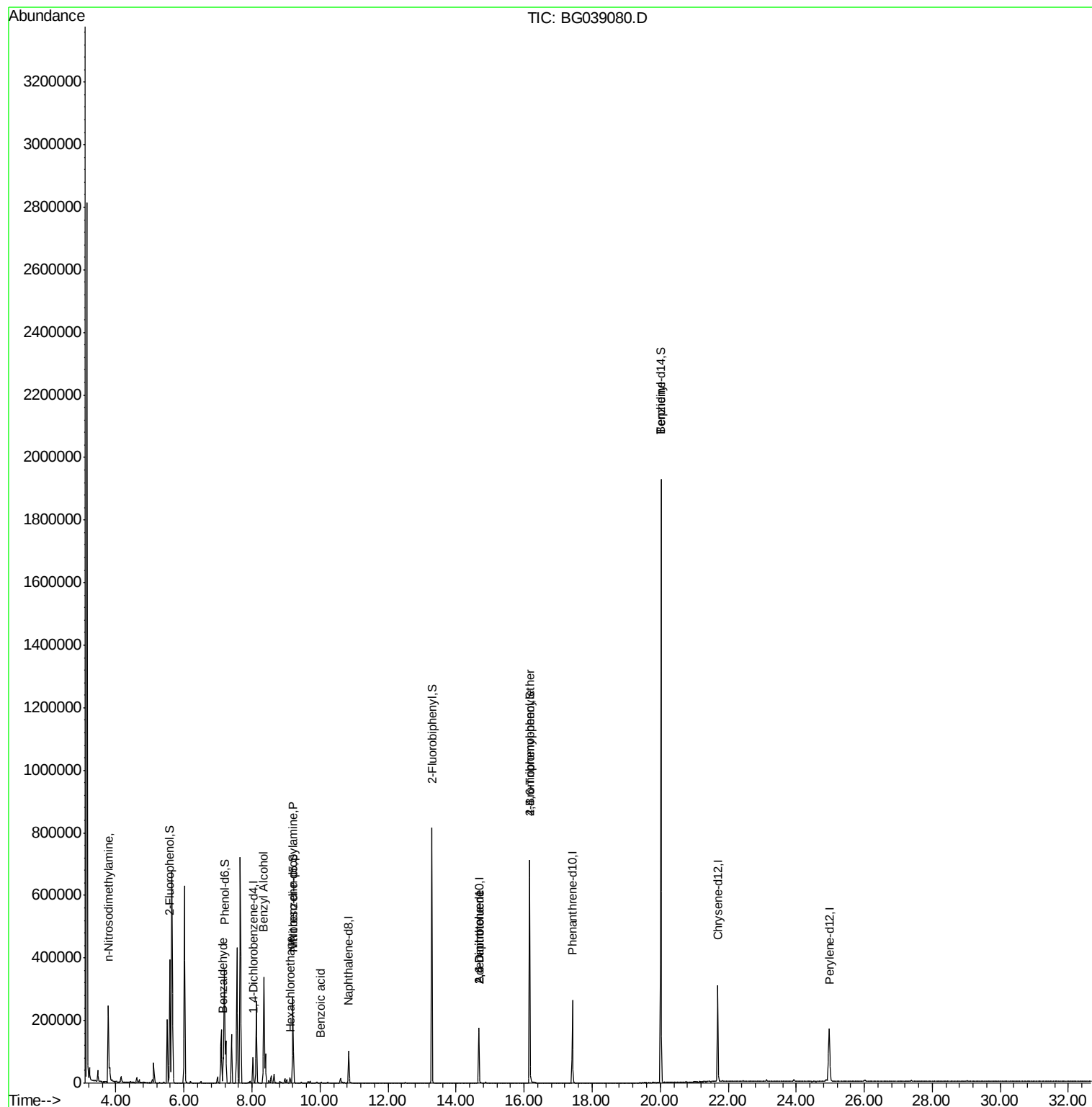
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.78	42	12323	19.906	ng	# 1
9) Benzaldehyde	7.15	77	4717	4.396	ng	# 1
15) Benzyl Alcohol	8.35	79	3016	2.152	ng	# 49
18) Hexachloroethane	9.12	117	1293	2.058	ng	# 1
19) n-Nitroso-di-n-propylamine	9.20	70	20821	17.041	ng	# 68
32) Benzoic acid	10.03	122	222	9.669	ng	# 23
51) 2,6-Dinitrotoluene	14.67	165	8321	6.730	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	8321	4.691	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10485	4.589	ng	# 1
77) Benzidine	20.02	184	15733	2.531	ng	# 94

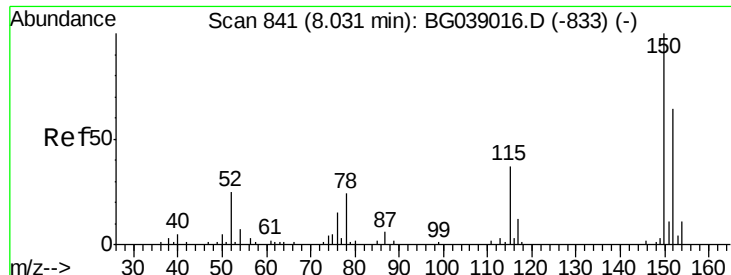
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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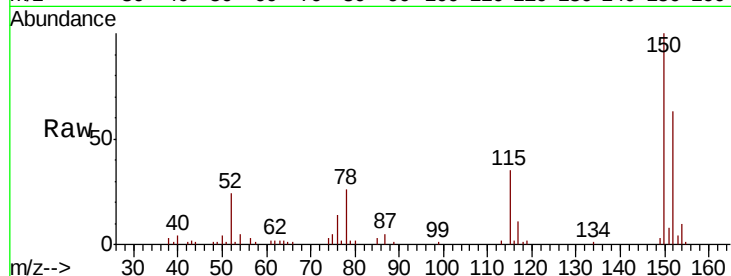


#1

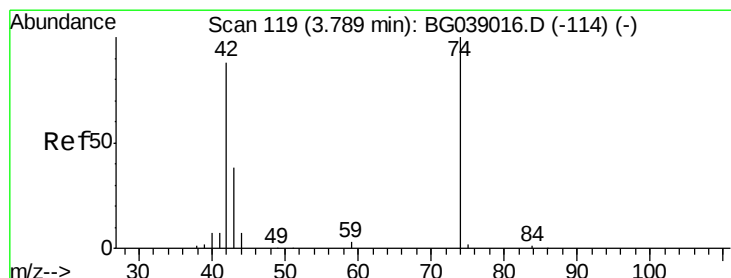
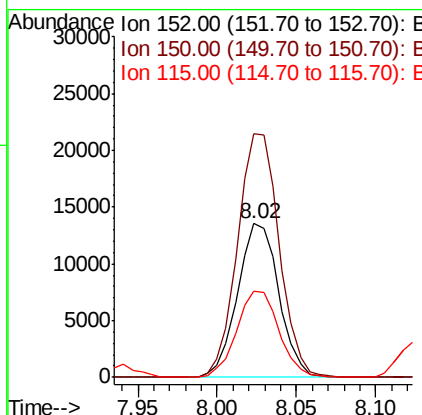
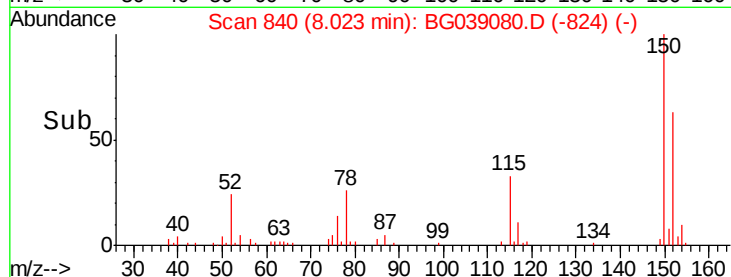
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24526
Ion Ratio Lower Upper
152 100
150 158.7 124.7 187.1
115 56.2 46.5 69.7



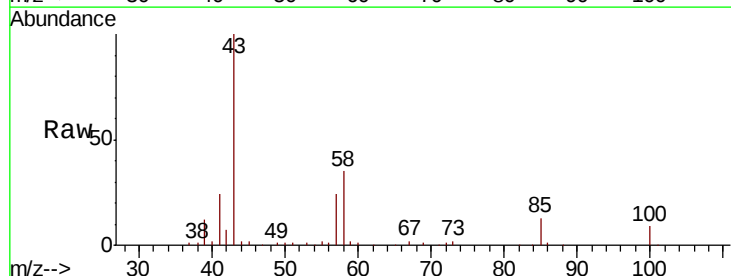
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



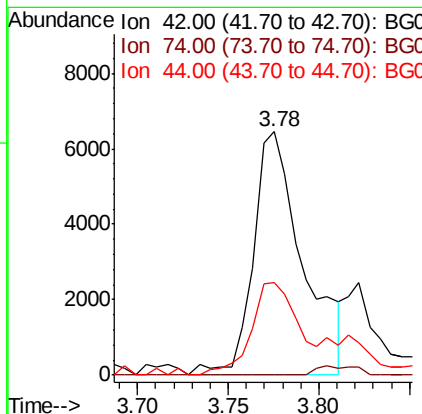
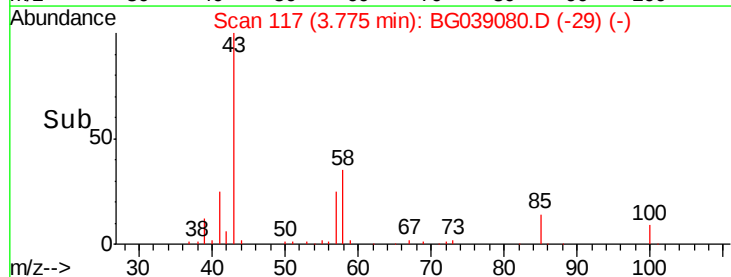
#4

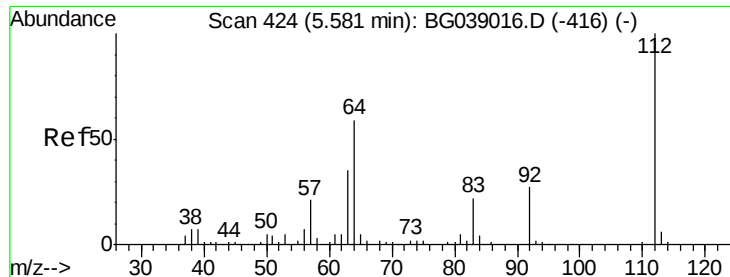
n-Nitrosodimethylamine
Concen: 19.906 ng
RT: 3.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Tgt Ion: 42 Resp: 12323
Ion Ratio Lower Upper
42 100
74 0.0 90.7 136.1#
44 37.9 6.5 9.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 139.963 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG039080.D

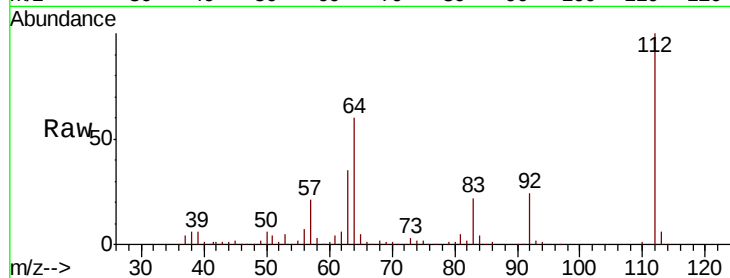
Acq: 11 Jan 2019 9:02

Instrument :

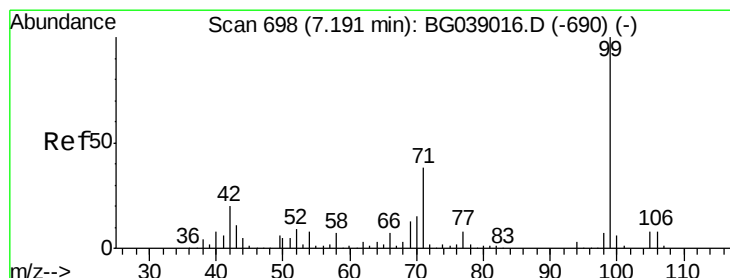
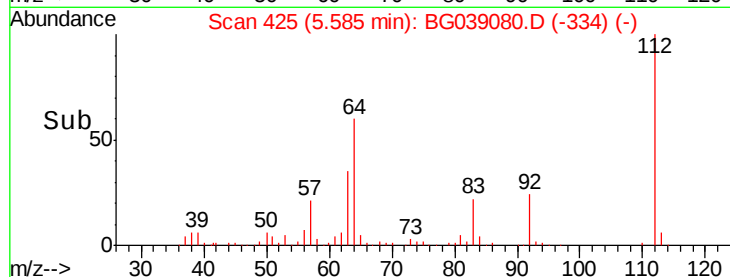
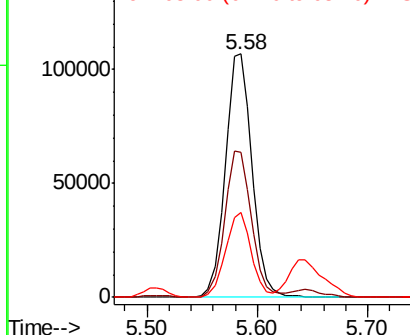
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	180958
Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.0	70.6
63	35.0	28.0	42.0



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 116.890 ng

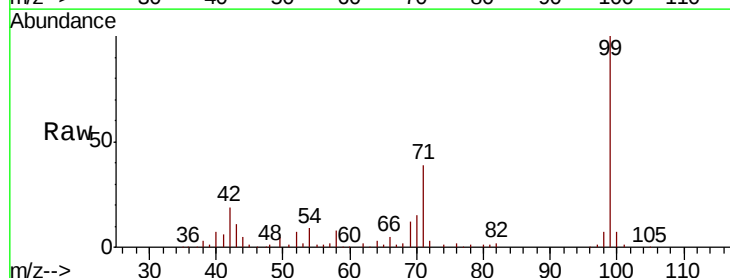
RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

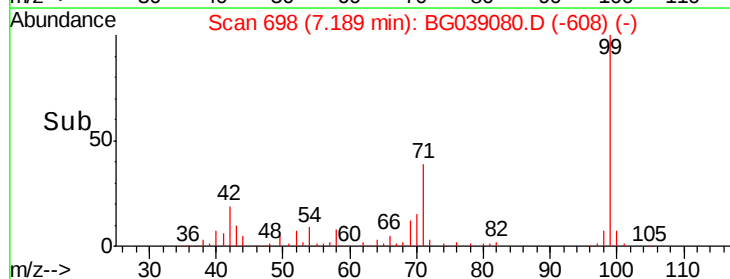
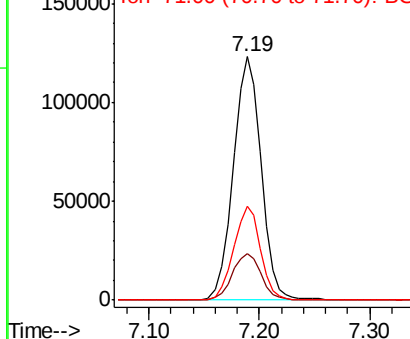
Lab File: BG039080.D

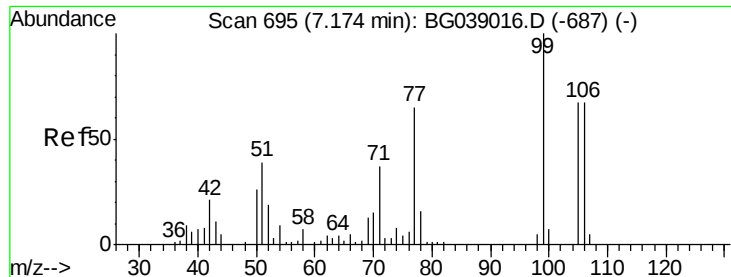
Acq: 11 Jan 2019 9:02

Tgt Ion:	99	Resp:	217490
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.8	23.6
71	38.7	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





#9

Benzaldehyde

Concen: 4.396 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.02 min

Lab File: BG039080.D

Acq: 11 Jan 2019 9:02

Instrument :

BNA_G

ClientSampleId :

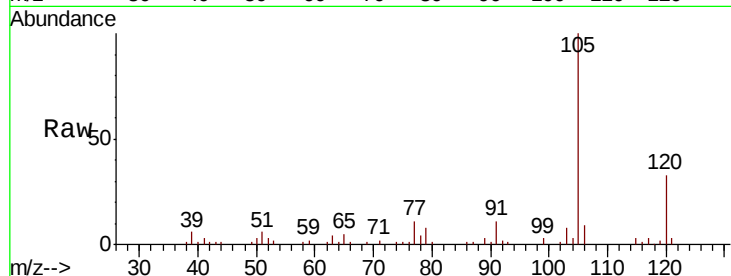
Tot Ion: 77 Resp: 4717

Ion Ratio Lower Upper

77 100

105 926.2 82.4 122.4#

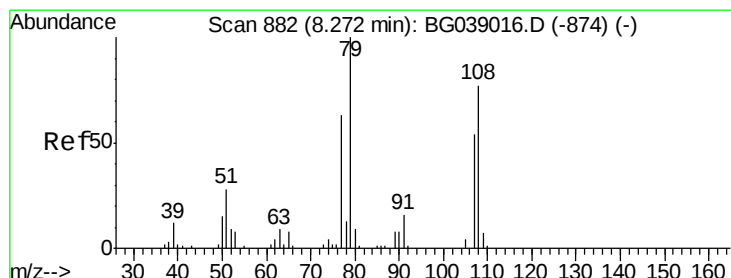
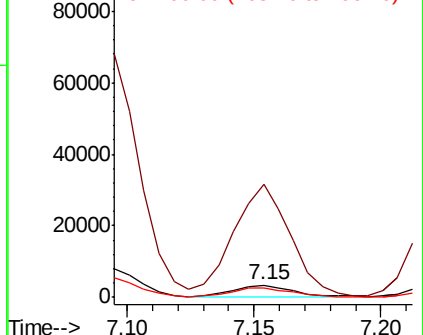
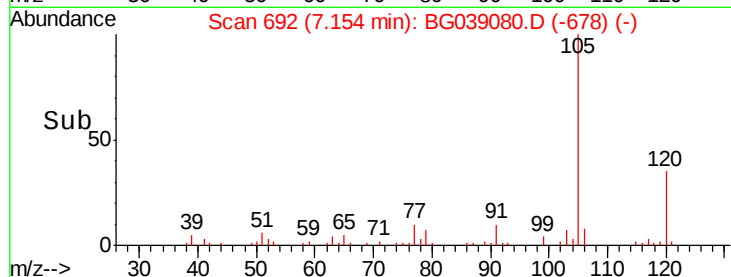
106 81.0 82.8 122.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#15

Benzyl Alcohol

Concen: 2.152 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG039080.D

Acq: 11 Jan 2019 9:02

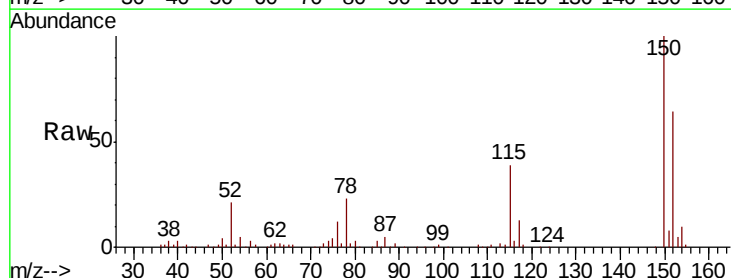
Tgt Ion: 79 Resp: 3016

Ion Ratio Lower Upper

79 100

108 50.8 62.0 93.0#

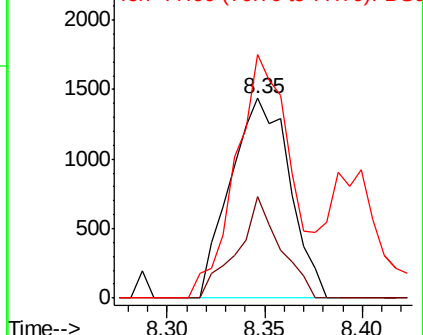
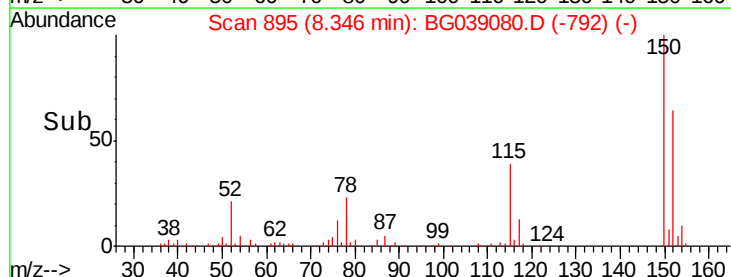
77 121.8 50.1 75.1#

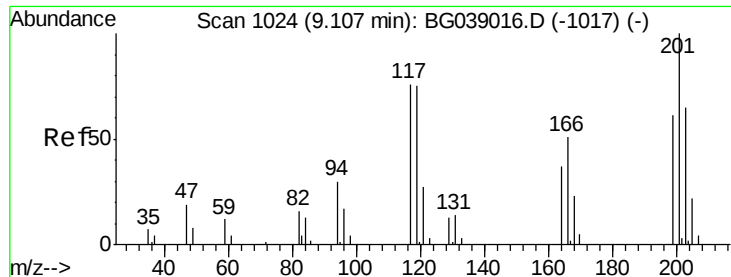


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

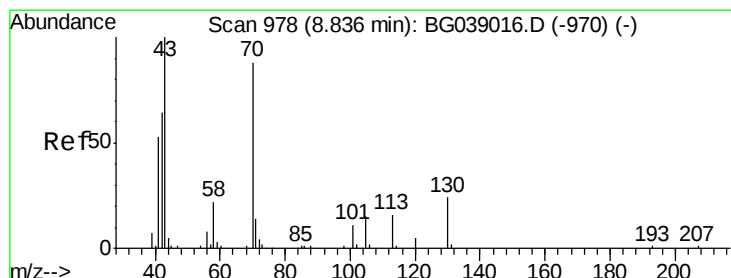
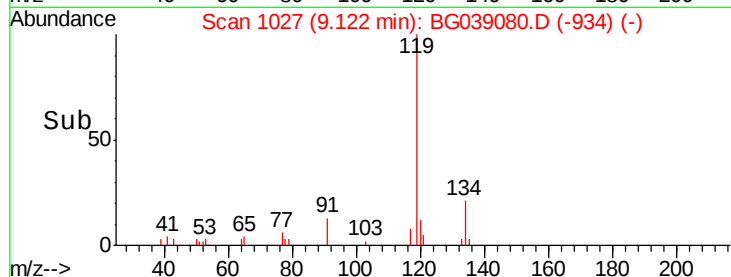
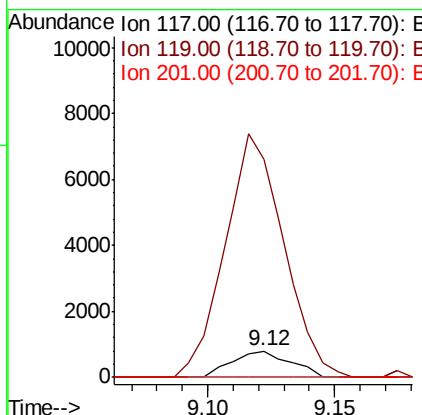
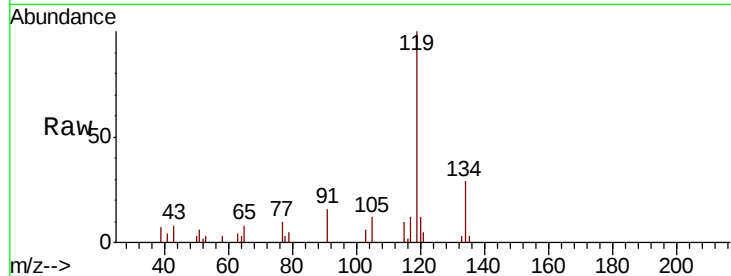




#18
 Hexachloroethane
 Concen: 2.058 ng
 RT: 9.12 min Scan# 1027
 Delta R.T. 0.02 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

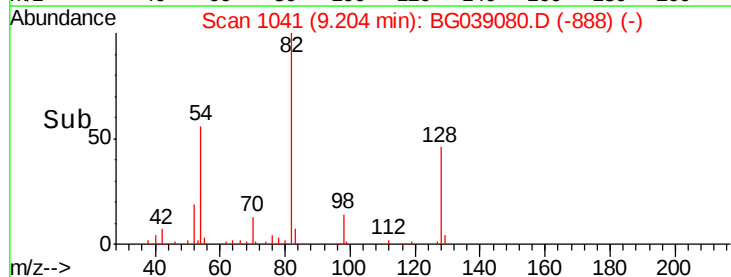
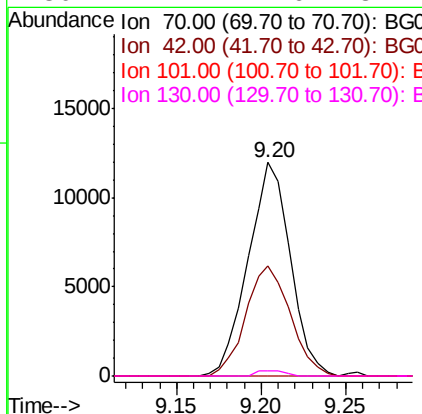
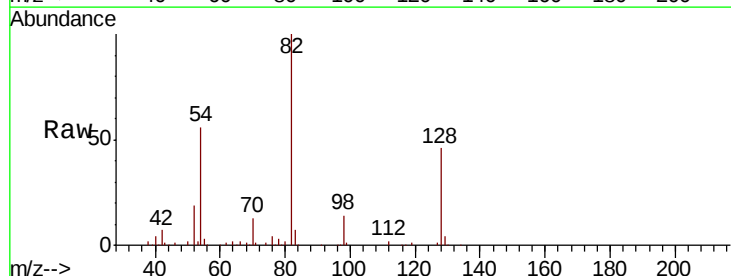
Instrument :
 BNA_G
 ClientSampled :

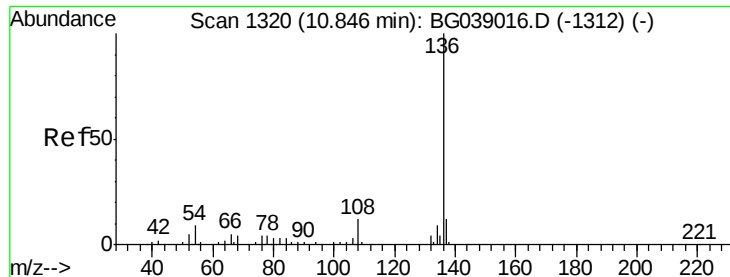
Tot Ion: 117 Resp: 1293
 Ion Ratio Lower Upper
 117 100
 119 832.5 78.7 118.1#
 201 0.0 108.1 162.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 17.041 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. 0.37 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

Tgt Ion: 70 Resp: 20821
 Ion Ratio Lower Upper
 70 100
 42 51.4 59.0 88.4#
 101 0.0 10.4 15.6#
 130 2.4 21.6 32.4#

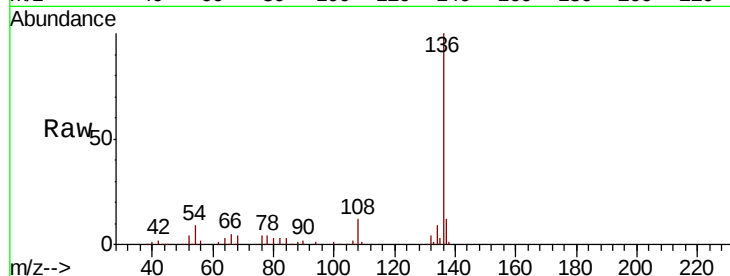




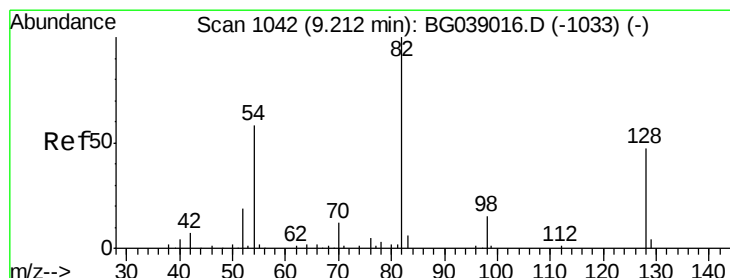
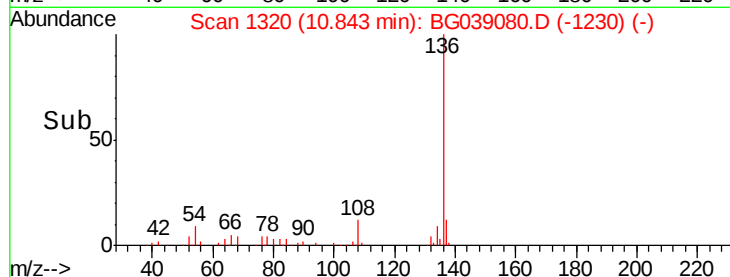
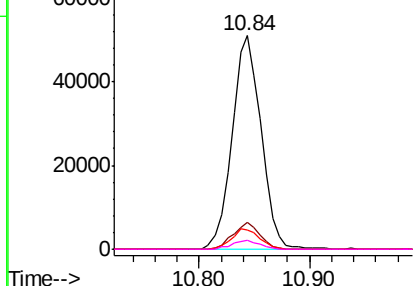
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	93393
Ion	Ratio	Lower Upper
136	100	
137	12.5	9.4 14.2
54	9.5	7.2 10.8
68	4.3	3.5 5.3

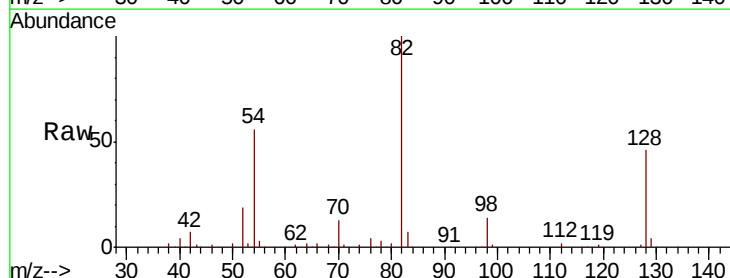


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

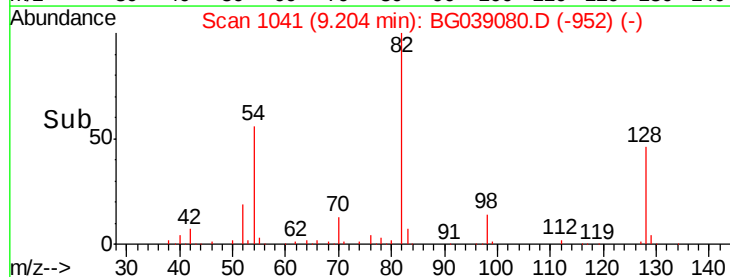
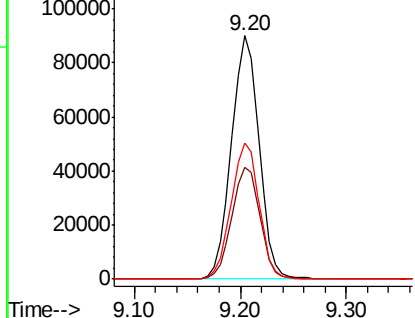


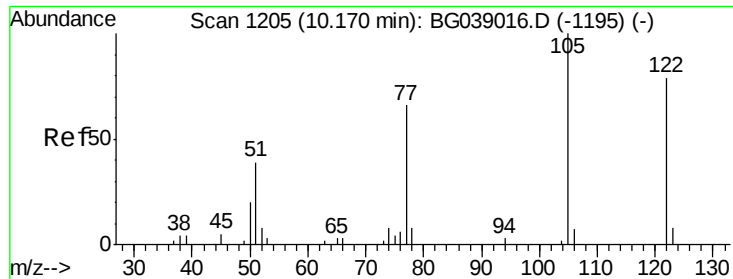
#23
Nitrobenzene-d5
Concen: 95.218 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Tgt Ion: 82	Resp:	162515
Ion	Ratio	Lower Upper
82	100	
128	45.8	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

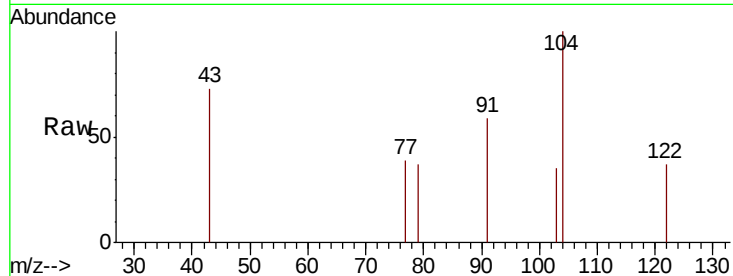




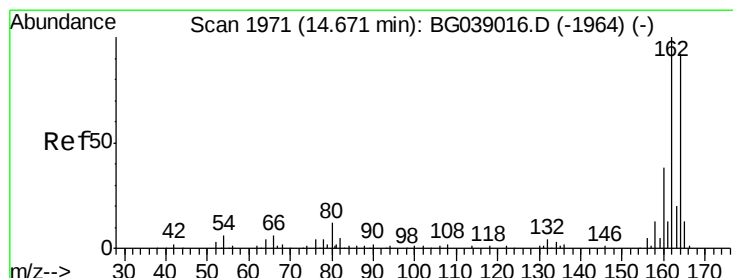
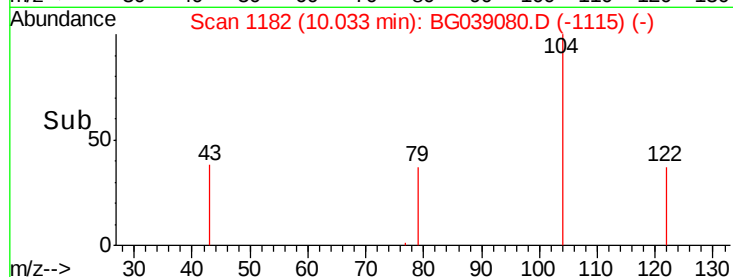
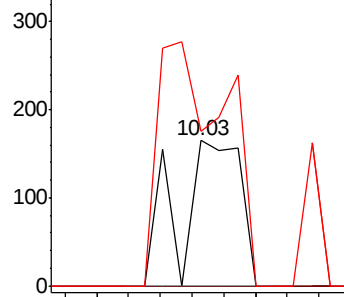
#32
Benzoic acid
Concen: 9.669 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.14 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 222
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 106.7 63.6 103.6#

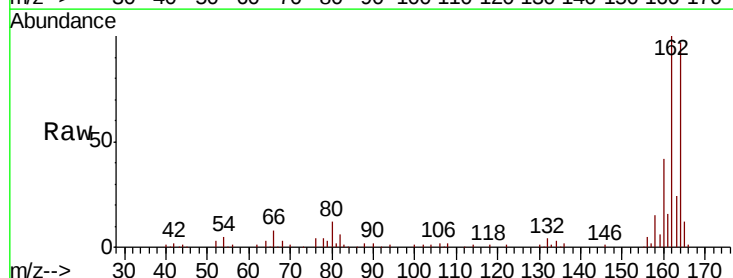


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

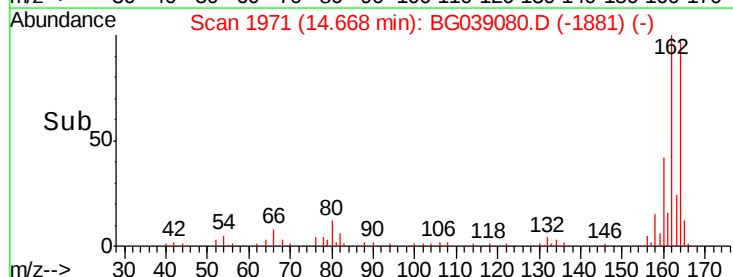
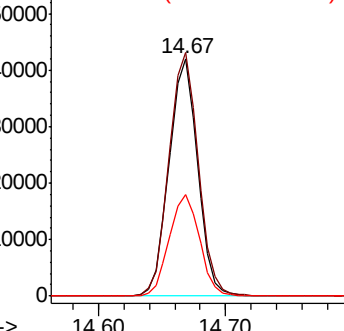


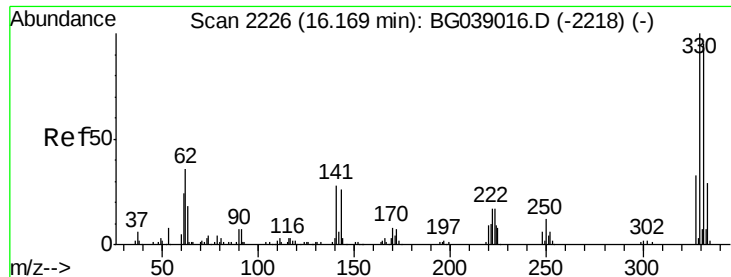
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Tgt Ion:164 Resp: 65440
Ion Ratio Lower Upper
164 100
162 102.6 87.2 130.8
160 42.9 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

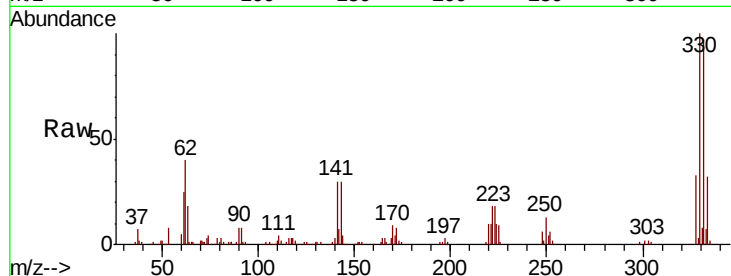




#42
 2,4,6-Tribromophenol
 Concen: 146.818 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.7	113.5
141	30.4	24.9	37.3

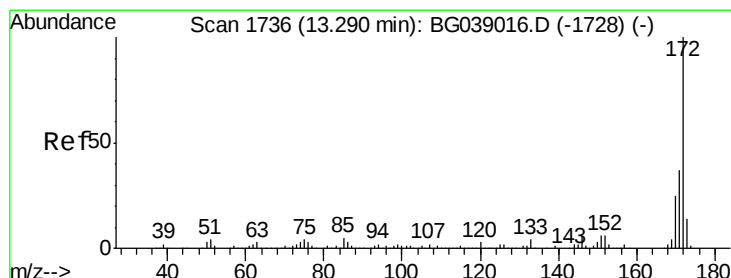
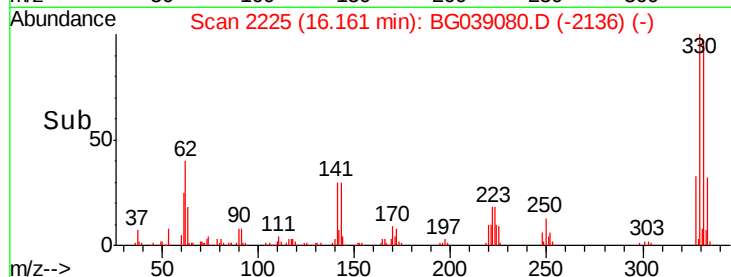
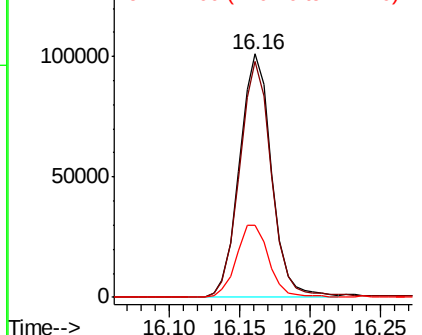


Abundance

Ion 329.80 (329.50 to 330.50): E

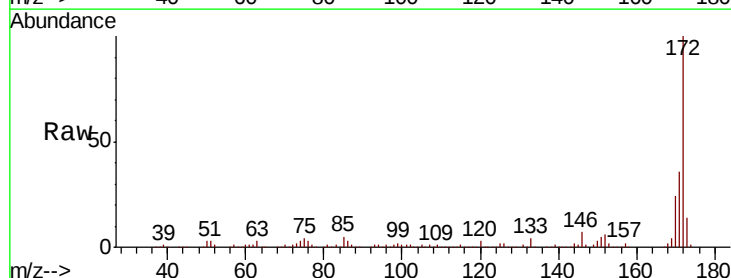
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.620 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	23.9	20.1	30.1

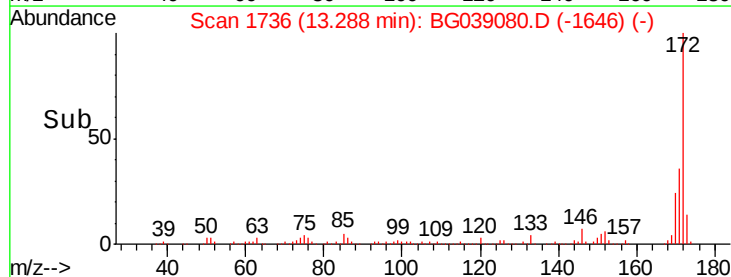
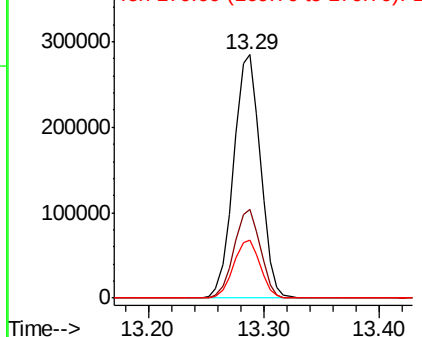


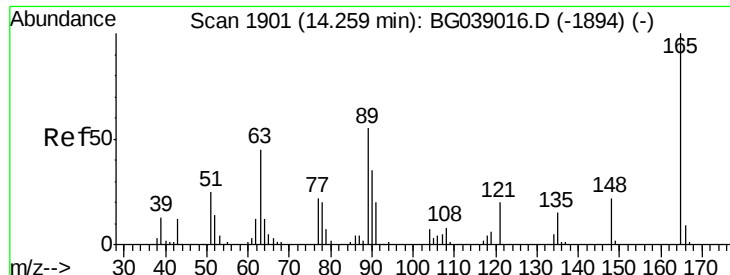
Abundance

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

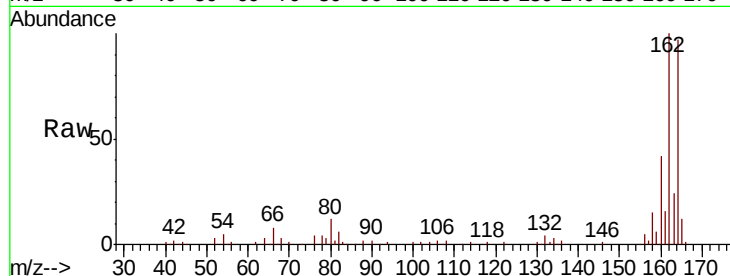




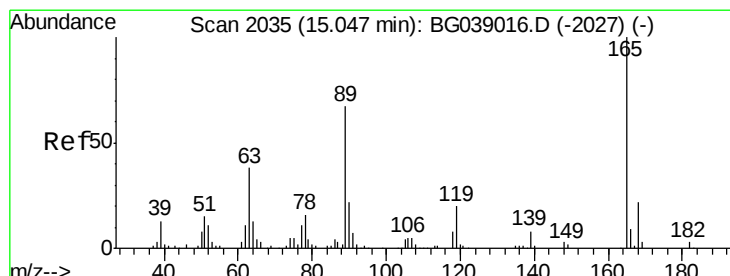
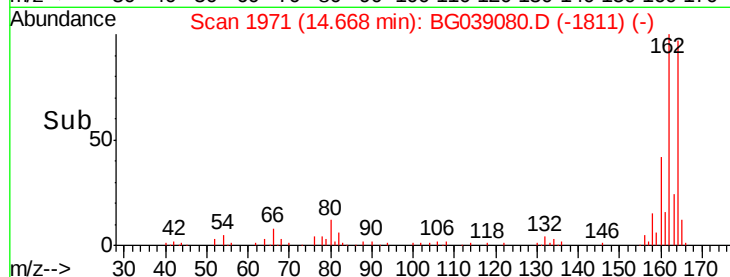
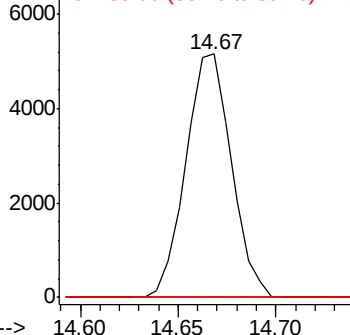
#51
 2,6-Dinitrotoluene
 Concen: 6.730 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

Instrument :
 BNA_G
 ClientSampleId :

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



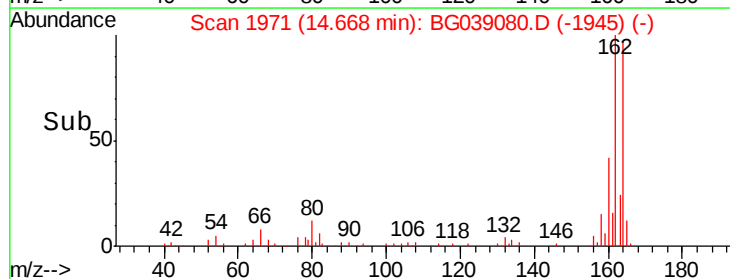
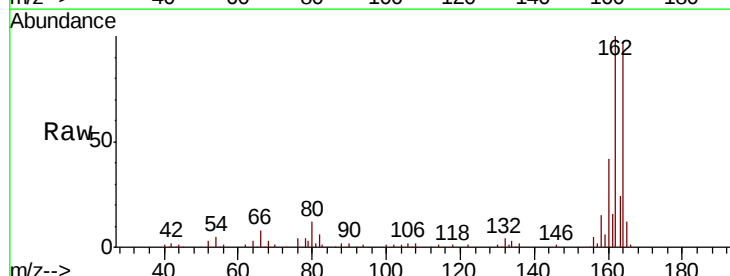
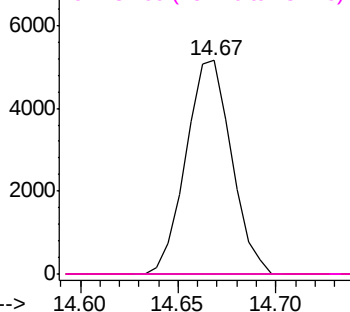
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

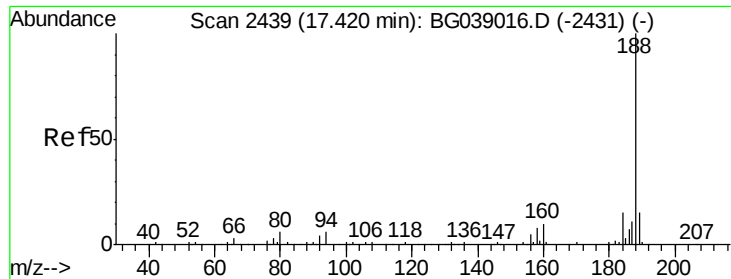


#57
 2,4-Dinitrotoluene
 Concen: 4.691 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039080.D
 Acq: 11 Jan 2019 9:02

Tgt 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: BG039080.D

Acq: 11 Jan 2019 9:02

Instrument :

BNA_G

ClientSampleId :

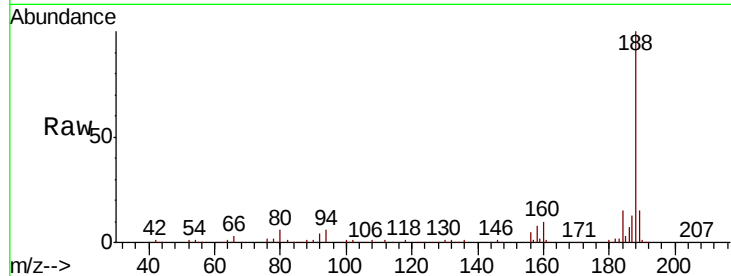
Tot Ion:188 Resp: 177742

Ion Ratio Lower Upper

188 100

94 6.1 5.0 7.4

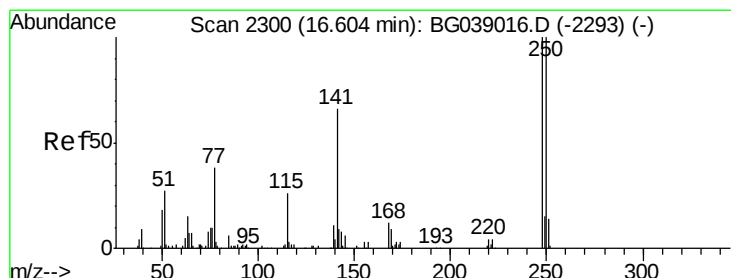
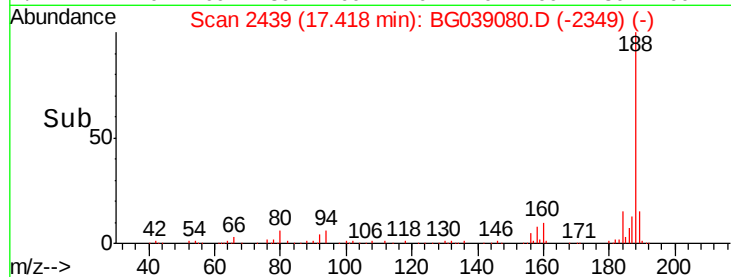
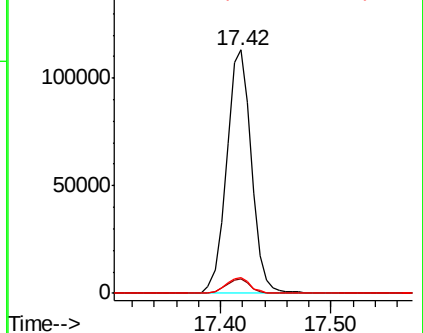
80 6.3 4.7 7.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.589 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG039080.D

Acq: 11 Jan 2019 9:02

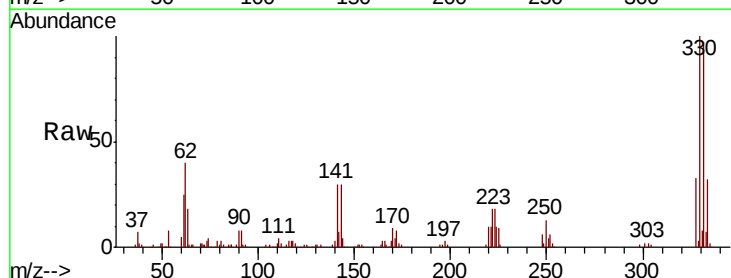
Tgt Ion:248 Resp: 10485

Ion Ratio Lower Upper

248 100

250 196.9 79.9 119.9#

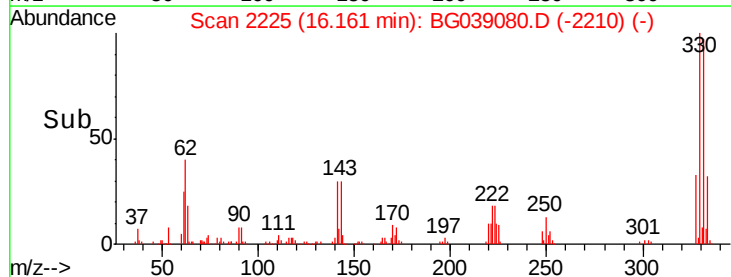
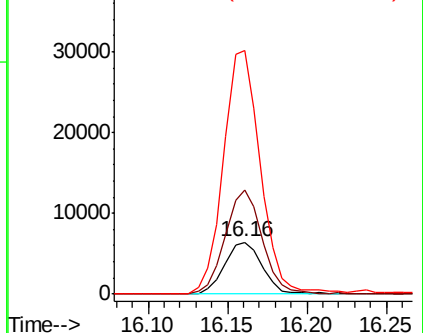
141 354.4 52.7 79.1#

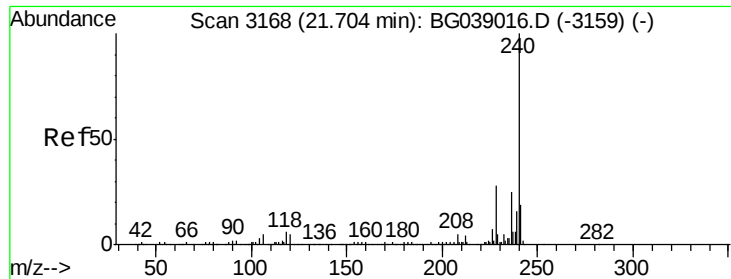


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

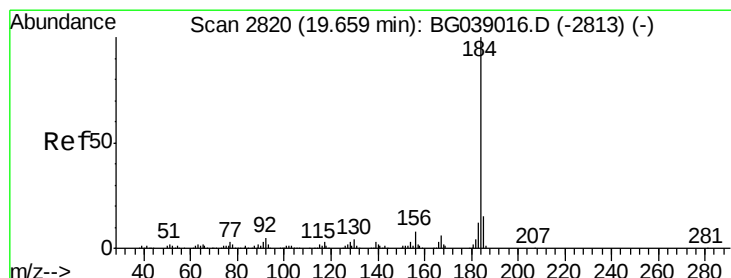
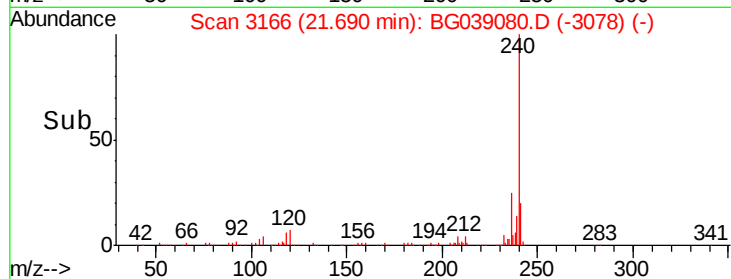
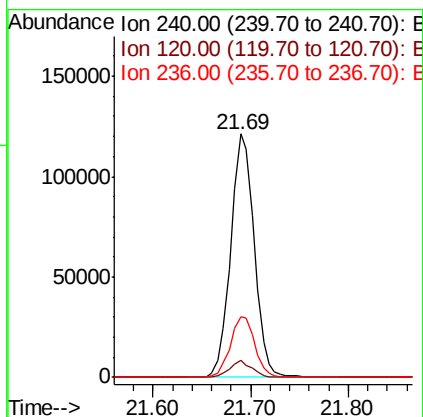
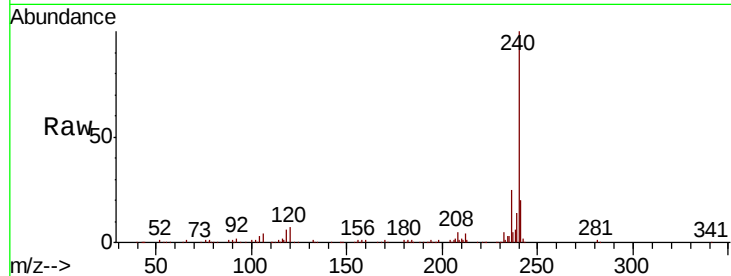




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

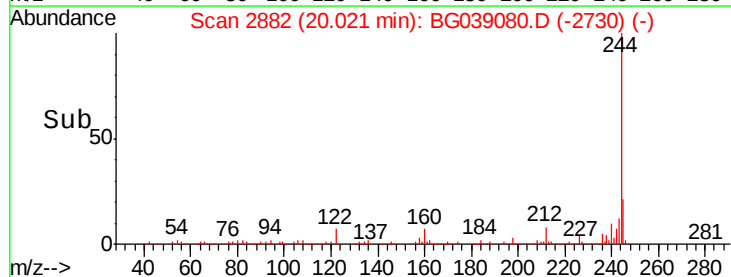
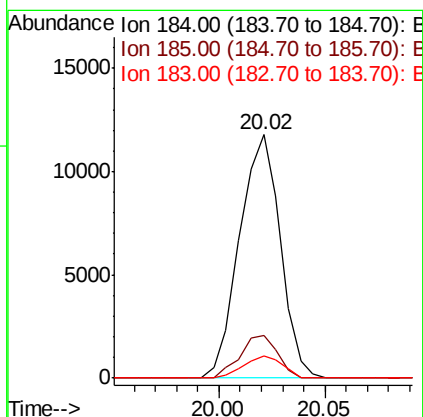
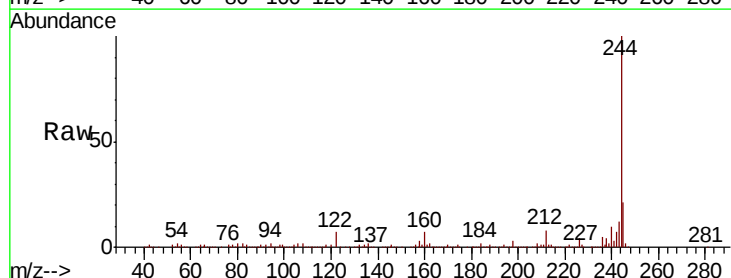
Instrument :
BNA_G
ClientSampleId :

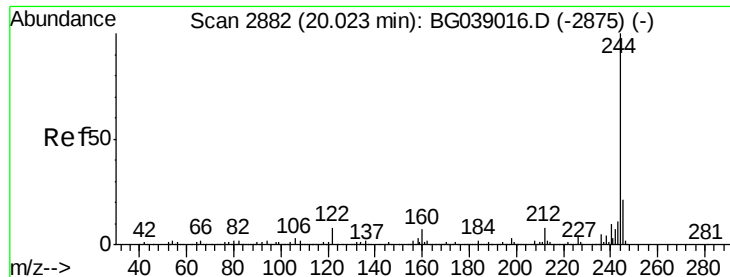
Tot Ion:240 Resp: 203203
Ion Ratio Lower Upper
240 100
120 6.9 4.3 6.5#
236 24.9 20.1 30.1



#77
Benzidine
Concen: 2.531 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG039080.D
Acq: 11 Jan 2019 9:02

Tgt Ion:184 Resp: 15733
Ion Ratio Lower Upper
184 100
185 17.3 12.1 18.1
183 9.2 9.5 14.3#





#79

Terphenyl-d14

Concen: 90.009 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039080.D

Acq: 11 Jan 2019 9:02

Instrument :

BNA_G

ClientSampled :

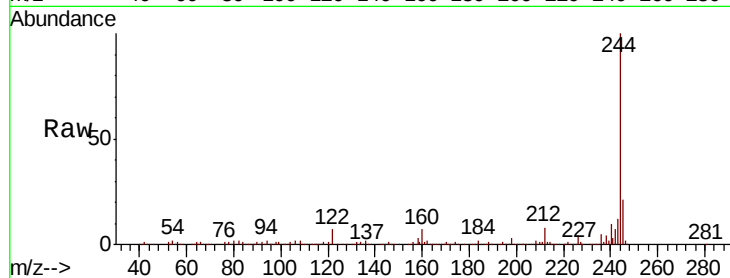
Tot Ion:244 Resp: 988714

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

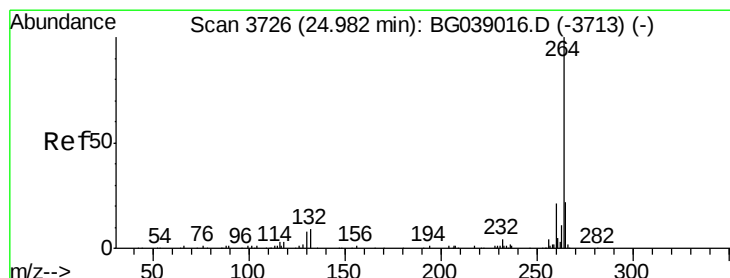
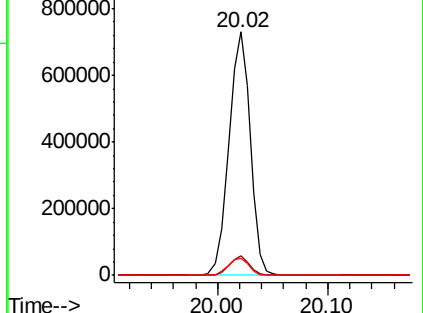
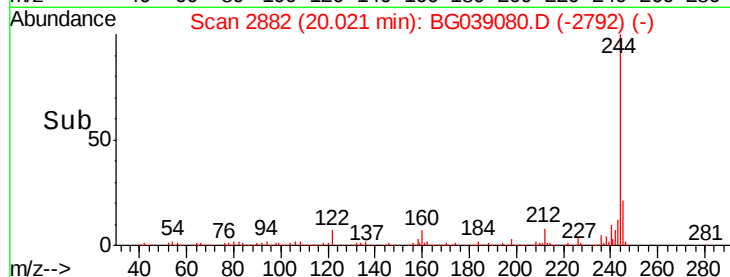
122 6.8 6.1 9.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG039080.D

Acq: 11 Jan 2019 9:02

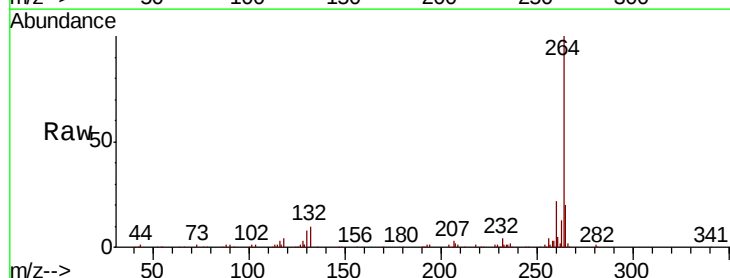
Tgt Ion:264 Resp: 214876

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.6

265 20.0 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

