

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011619\
 Data File : BG039173.D
 Acq On : 17 Jan 2019 1:35
 Operator : JU/SJ
 Sample : K1135-05RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CPGP-5

Quant Time: Jan 17 04:06:15 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

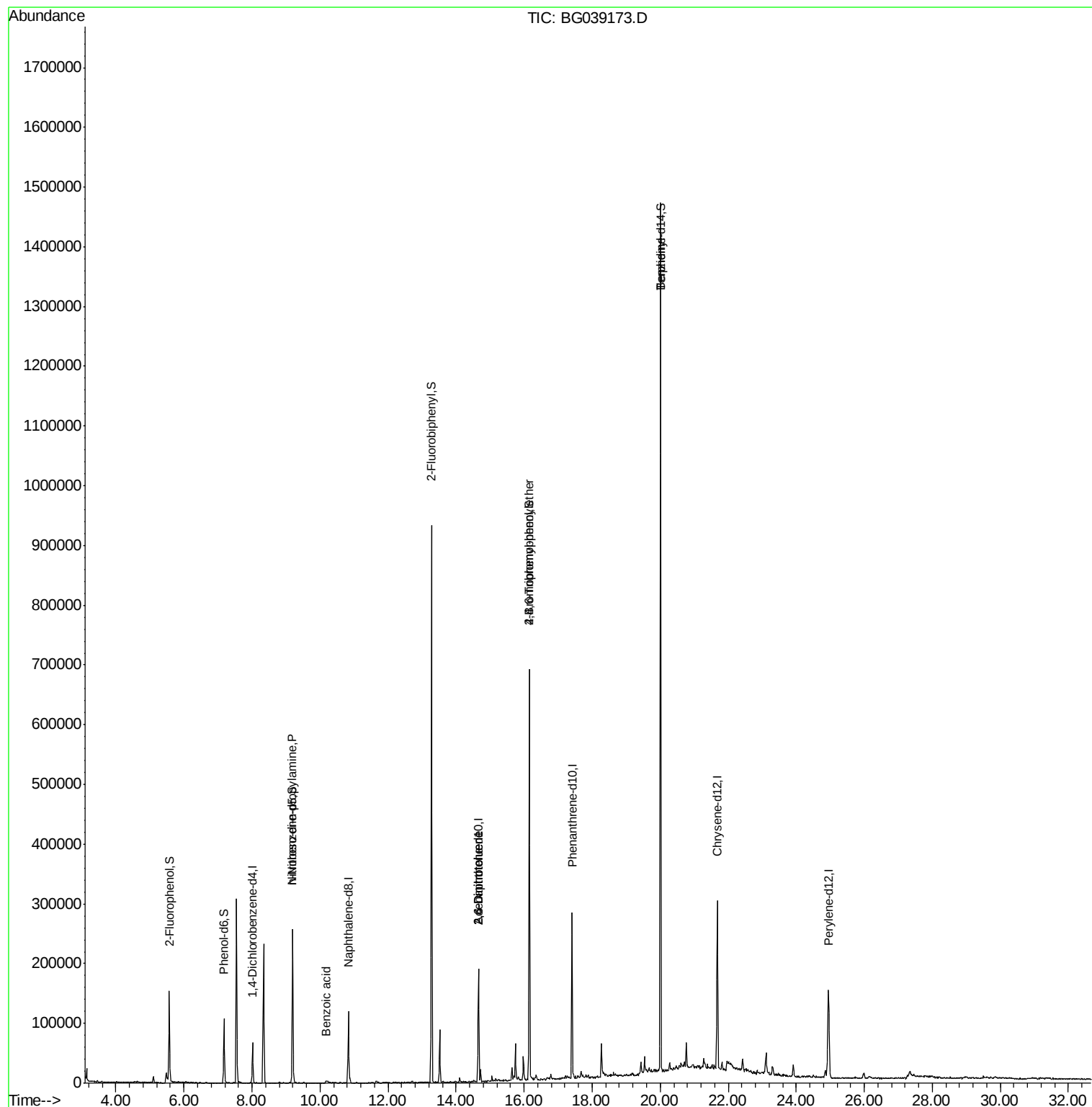
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	20890	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	109694	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	71454	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	180302	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	179660	20.00	ng	-0.03
87) Perylene-d12	24.94	264	187308	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	67920	61.68	ng	-0.01
7) Phenol-d6	7.17	99	64775	40.87	ng	-0.02
23) Nitrobenzene-d5	9.19	82	151478	75.56	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	145844	121.76	ng	-0.02
45) 2-Fluorobiphenyl	13.28	172	466195	89.29	ng	-0.01
79) Terphenyl-d14	20.01	244	744248	76.63	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	19693	18.923	ng	# 73
32) Benzoic acid	10.18	122	2522	11.584	ng	# 71
51) 2,6-Dinitrotoluene	14.66	165	9094	6.736	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	9094	4.695	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	9591	4.138	ng	# 1
77) Benzidine	20.01	184	12207	2.221	ng	# 95

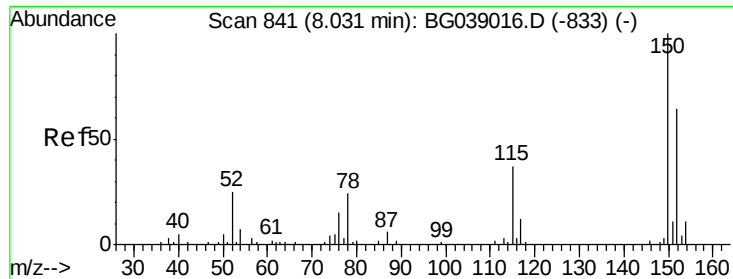
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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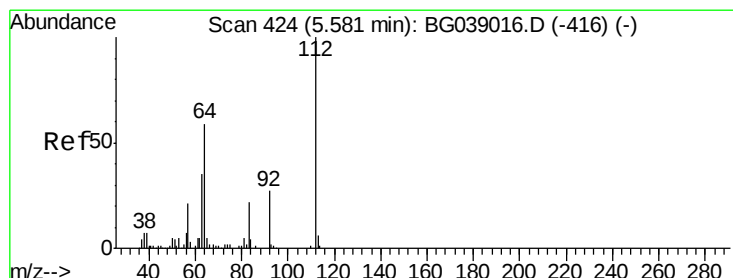
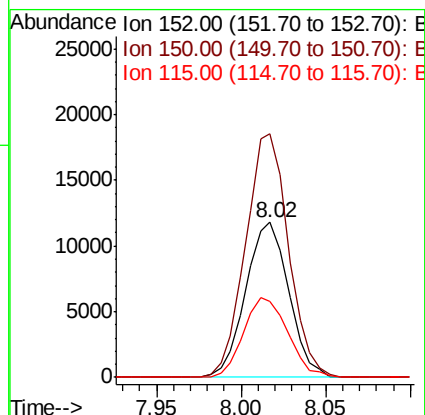
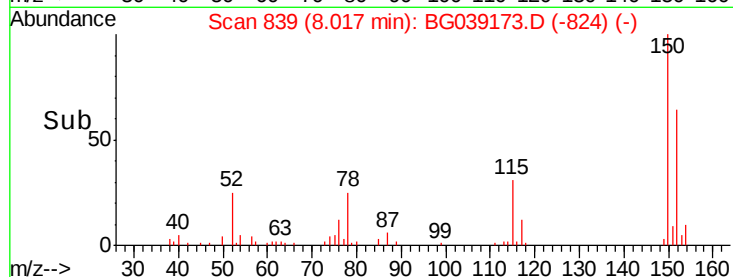
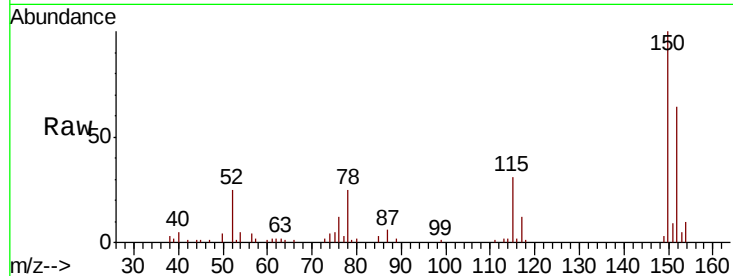


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Instrument :
BNA_G
ClientSampled :
CPGP-5

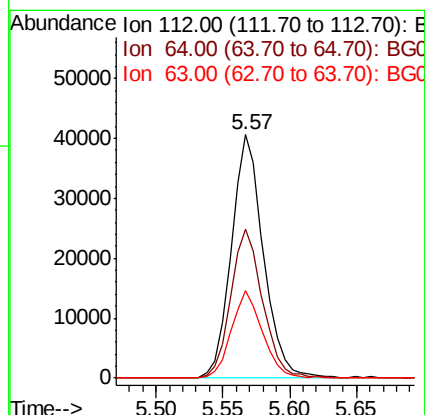
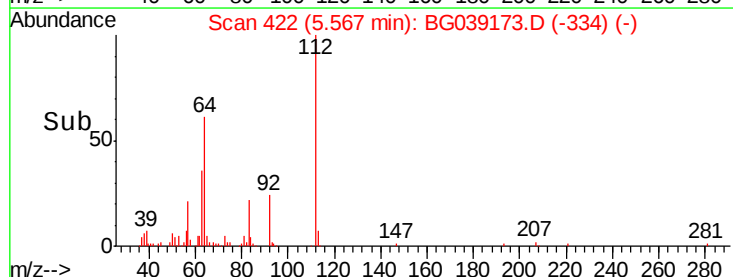
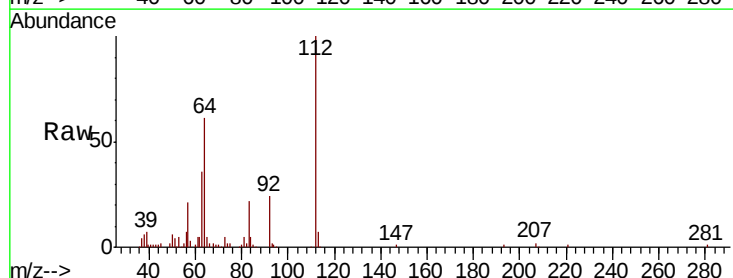
Tgt Ion:152 Resp: 20890
Ion Ratio Lower Upper
152 100
150 157.2 124.7 187.1
115 49.2 46.5 69.7

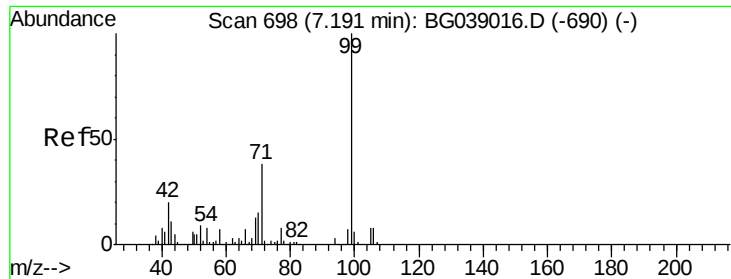


#5

2-Fluorophenol
Concen: 61.677 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Tgt Ion:112 Resp: 67920
Ion Ratio Lower Upper
112 100
64 61.3 47.0 70.6
63 35.7 28.0 42.0





#7

Phenol-d6

Concen: 40.873 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

Instrument :

BNA_G

ClientSampleId :

CPGP-5

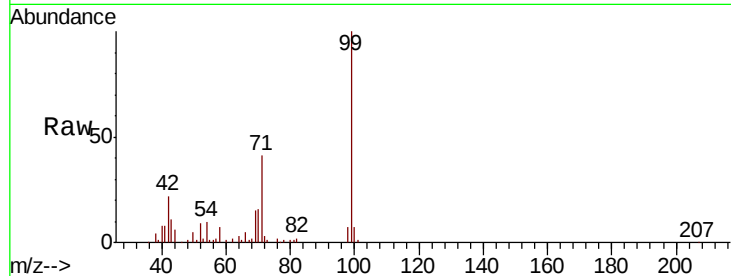
Tgt Ion: 99 Resp: 64775

Ion Ratio Lower Upper

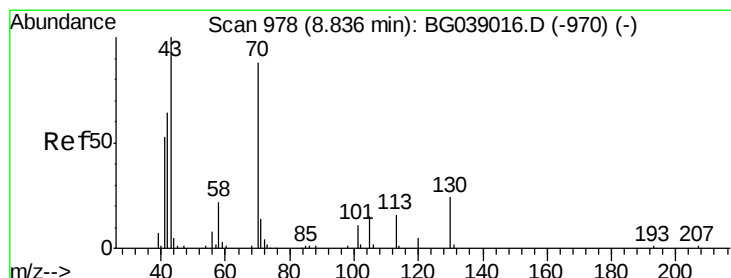
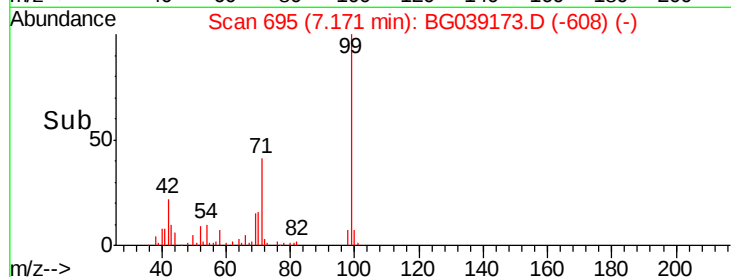
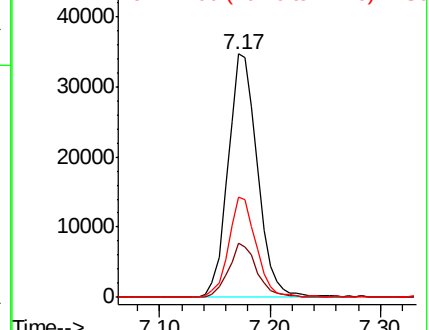
99 100

42 22.2 15.8 23.6

71 41.1 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: 18.923 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

Tgt Ion: 70 Resp: 19693

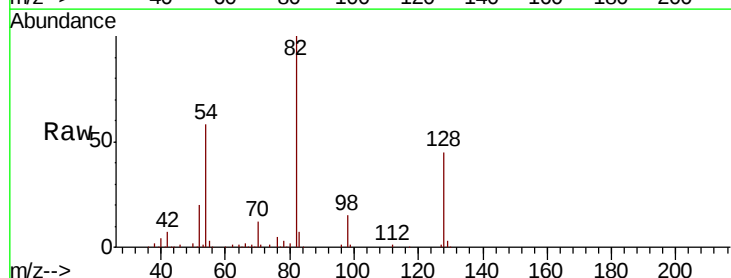
Ion Ratio Lower Upper

70 100

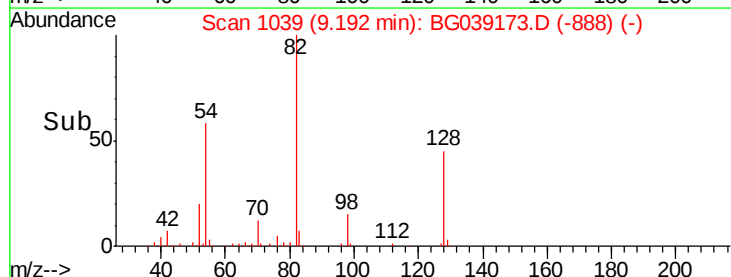
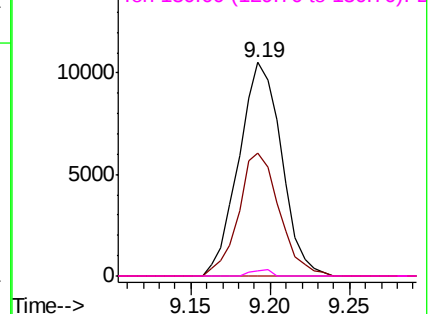
42 57.5 59.0 88.4#

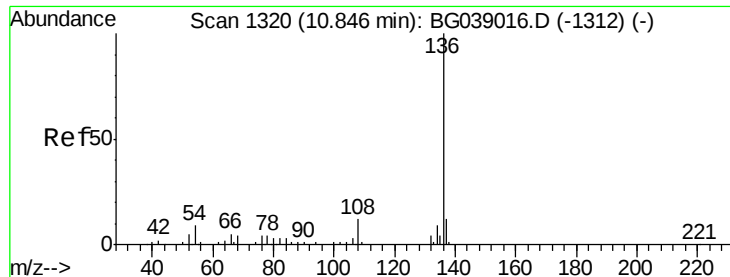
101 0.0 10.4 15.6#

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

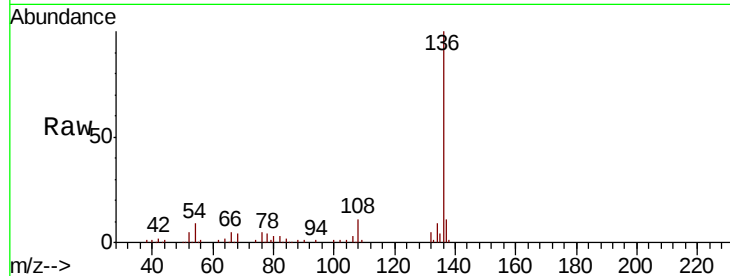




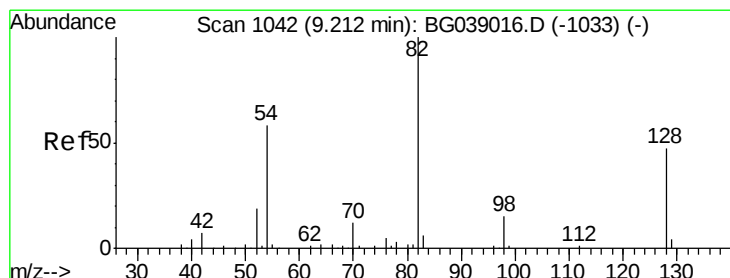
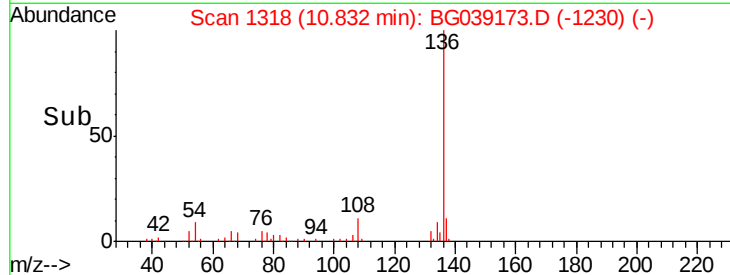
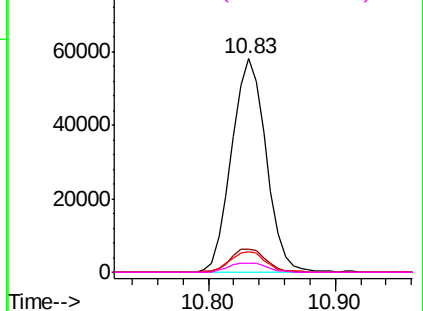
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Instrument :
BNA_G
ClientSampleId :
CPGP-5

Tgt Ion:	136	Resp:	109694
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.4	14.2
54	9.5	7.2	10.8
68	4.1	3.5	5.3

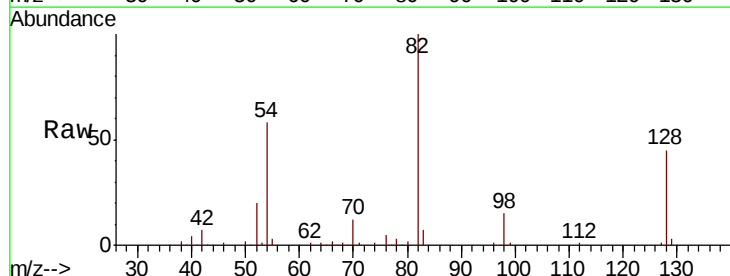


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

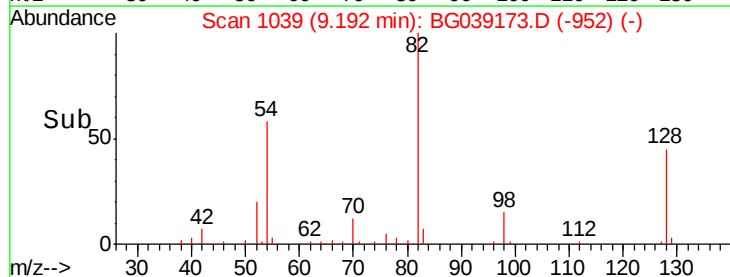
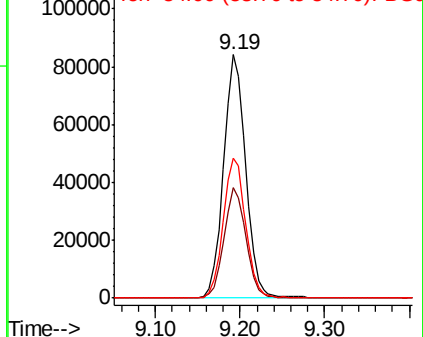


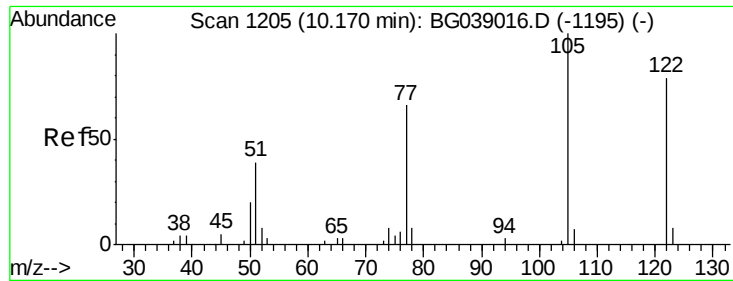
#23
Nitrobenzene-d5
Concen: 75.563 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Tgt Ion:	82	Resp:	151478
Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.3	55.9
54	57.6	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

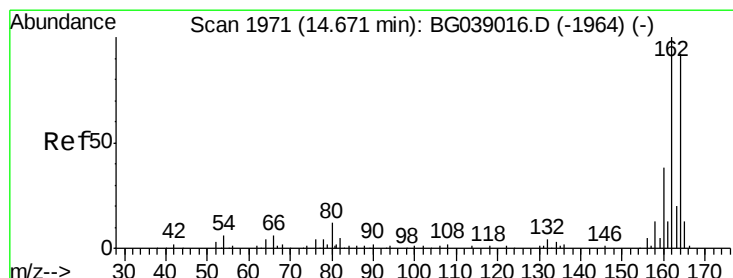
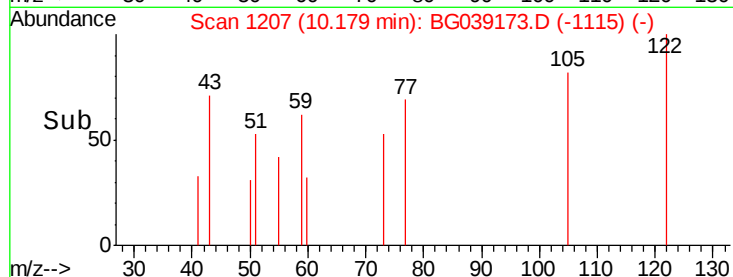
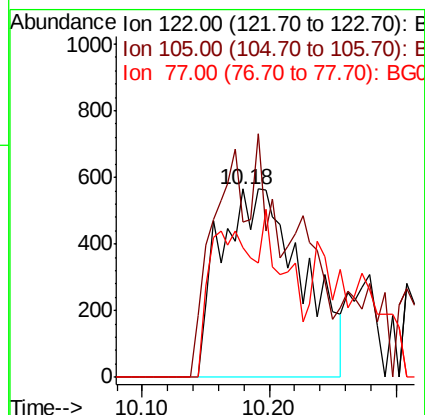
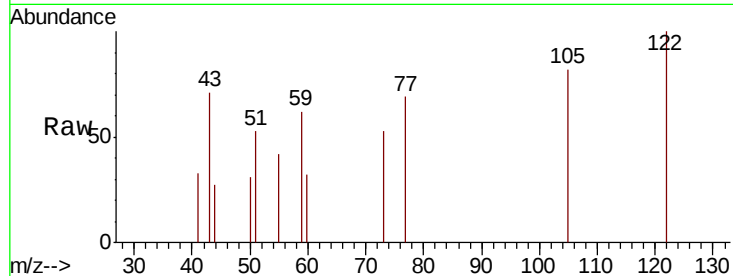




#32
Benzoic acid
Concen: 11.584 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

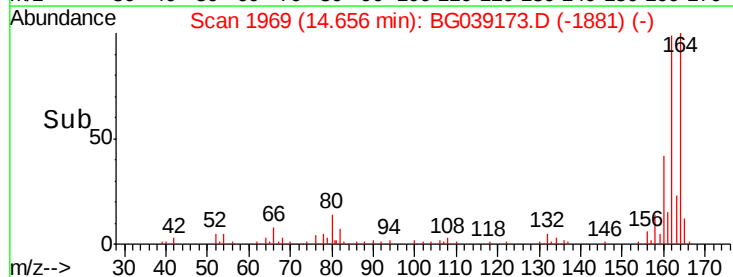
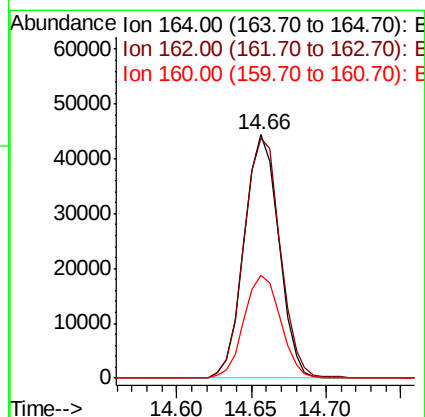
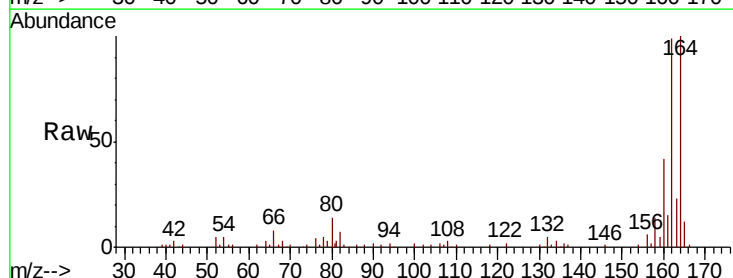
Instrument :
BNA_G
ClientSampleId :
CPGP-5

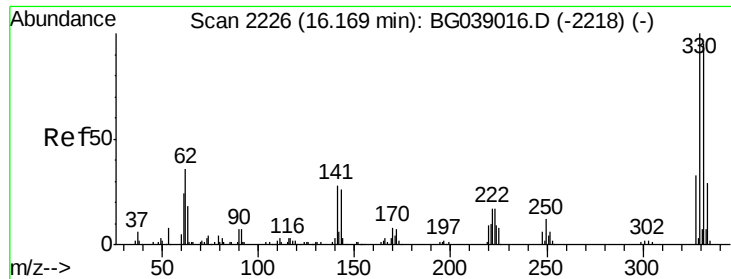
Tgt Ion:122 Resp: 2522
Ion Ratio Lower Upper
122 100
105 82.5 106.4 146.4#
77 69.2 63.6 103.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Tgt Ion:164 Resp: 71454
Ion Ratio Lower Upper
164 100
162 98.7 87.2 130.8
160 42.0 33.3 49.9

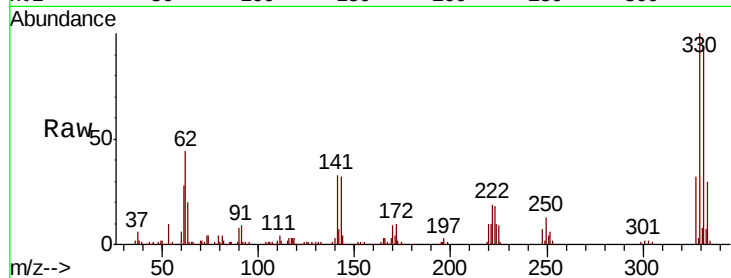




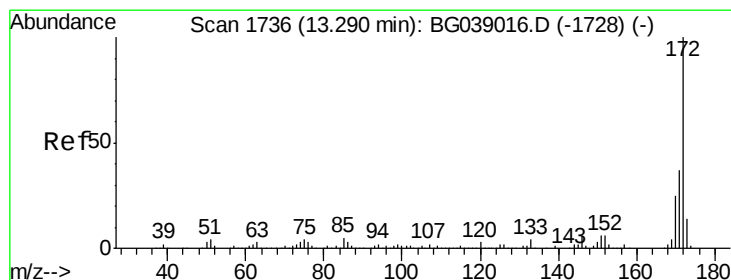
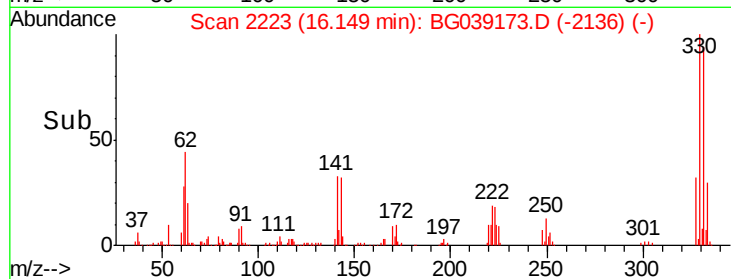
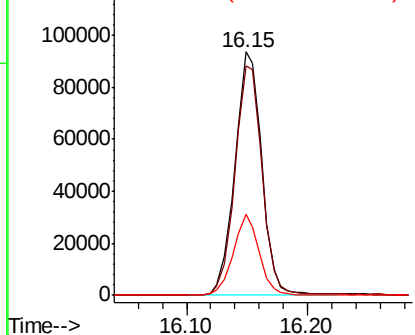
#42
 2,4,6-Tribromophenol
 Concen: 121.763 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.02 min
 Lab File: BG039173.D
 Acq: 17 Jan 2019 1:35

Instrument :
 BNA_G
 ClientSampleId :
 CPGP-5

Tgt Ion:330 Resp: 145844
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.7 113.5
 141 31.9 24.9 37.3

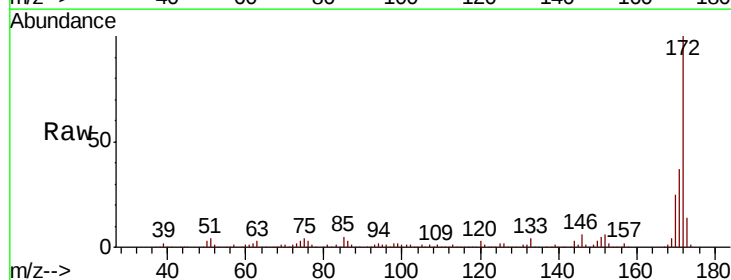


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

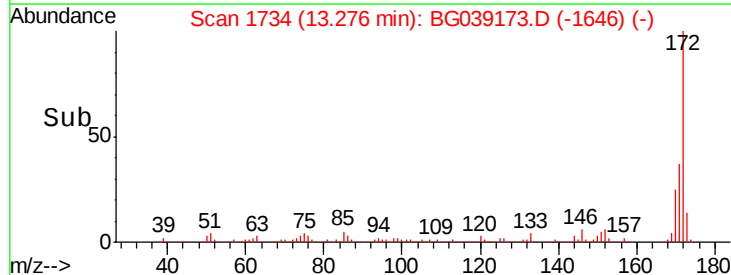
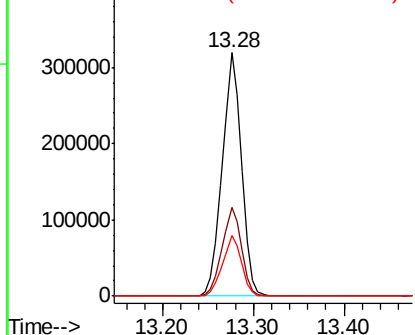


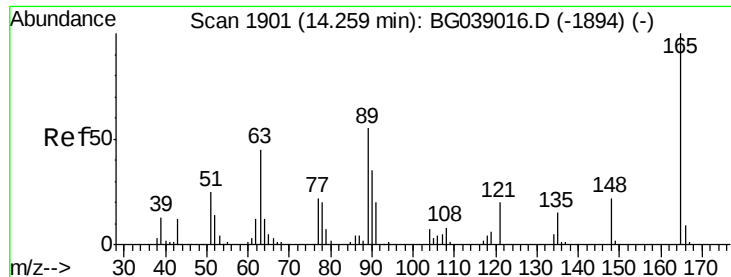
#45
 2-Fluorobiphenyl
 Concen: 89.291 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG039173.D
 Acq: 17 Jan 2019 1:35

Tgt Ion:172 Resp: 466195
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.7 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

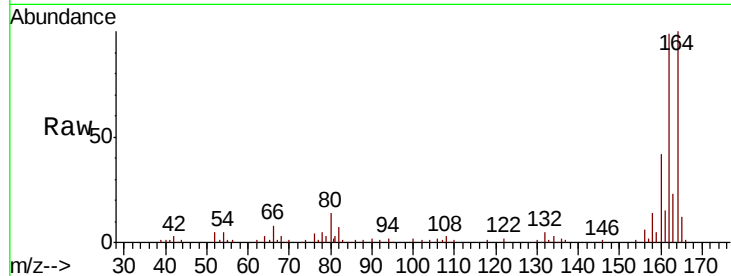




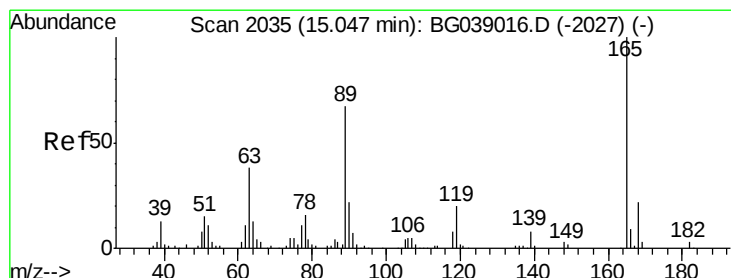
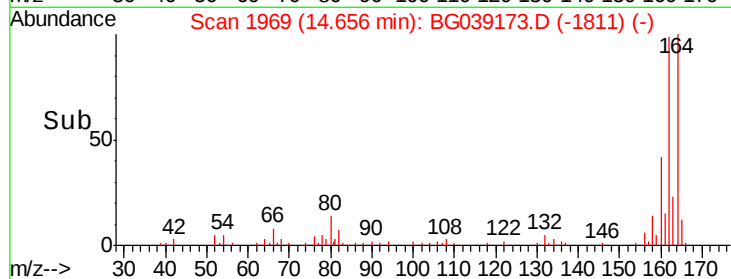
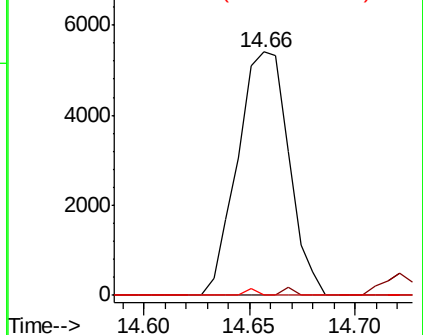
#51
 2,6-Dinitrotoluene
 Concen: 6.736 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039173.D
 Acq: 17 Jan 2019 1:35

Instrument :
 BNA_G
 ClientSampleId :
 CPGP-5

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

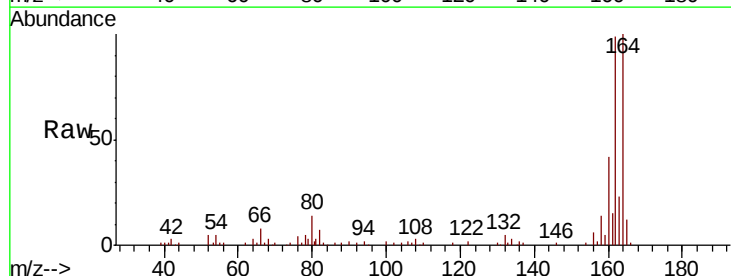


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

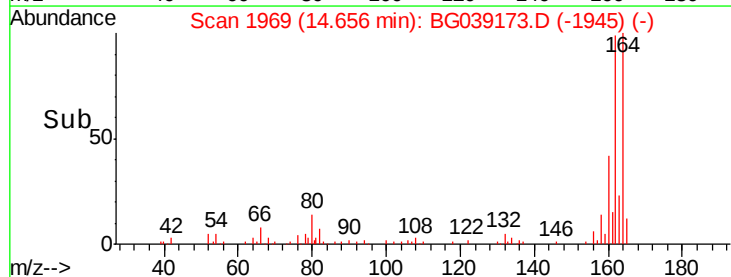
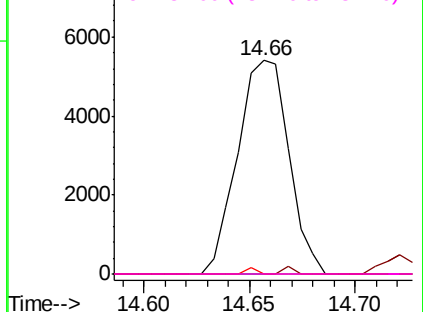


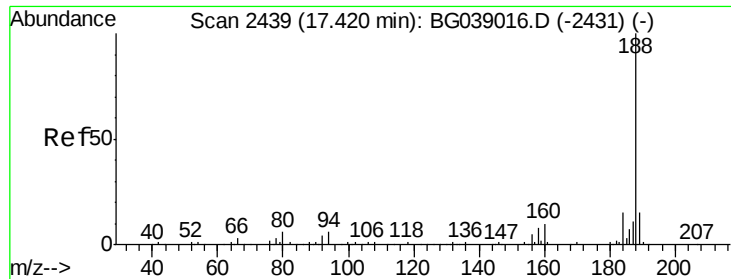
#57
 2,4-Dinitrotoluene
 Concen: 4.695 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039173.D
 Acq: 17 Jan 2019 1:35

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

Instrument :

BNA_G

ClientSampleId :

CPGP-5

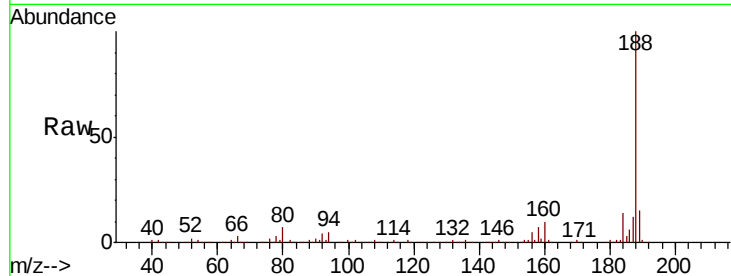
Tgt Ion:188 Resp: 180302

Ion Ratio Lower Upper

188 100

94 5.4 5.0 7.4

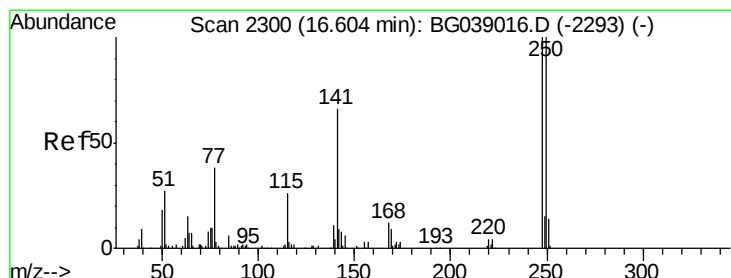
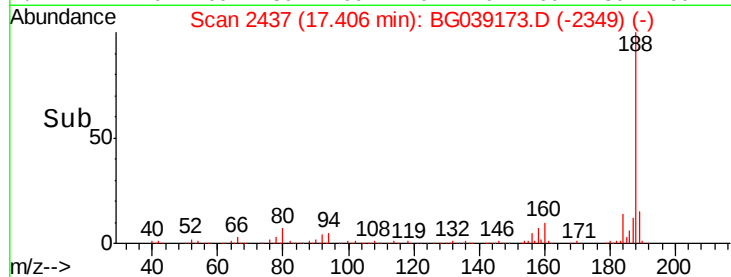
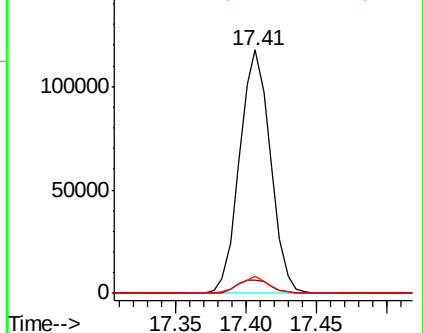
80 6.9 4.7 7.1



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: 4.138 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

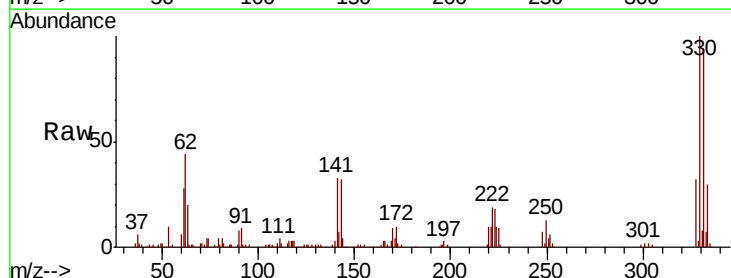
Tgt Ion:248 Resp: 9591

Ion Ratio Lower Upper

248 100

250 198.2 79.9 119.9#

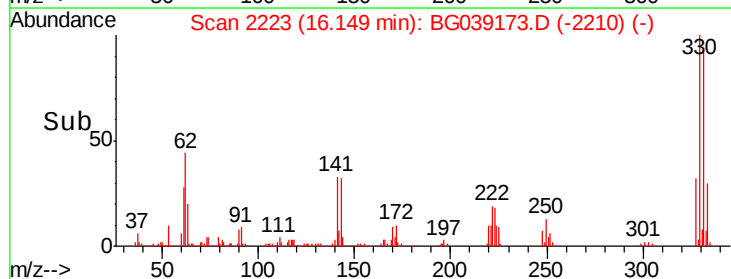
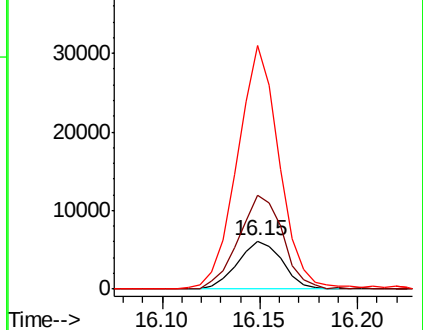
141 389.8 52.7 79.1#

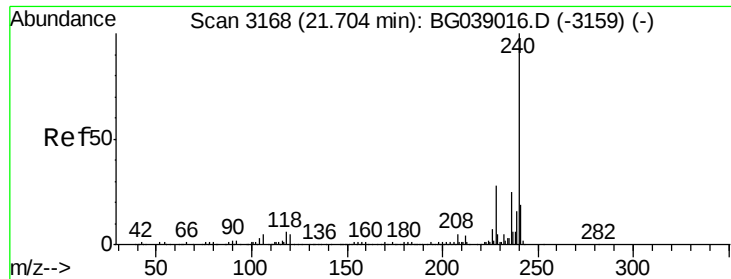


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

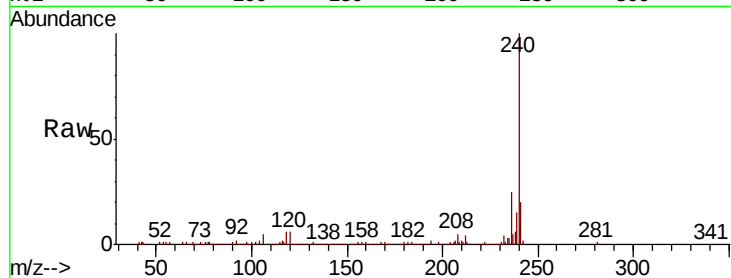




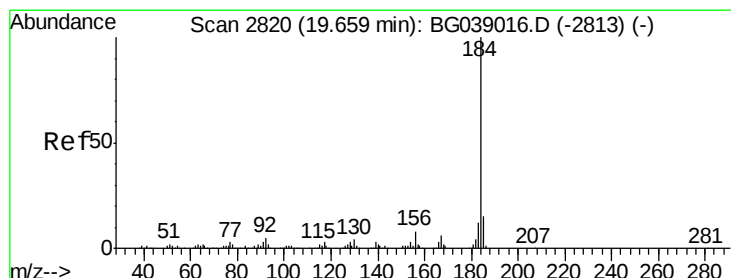
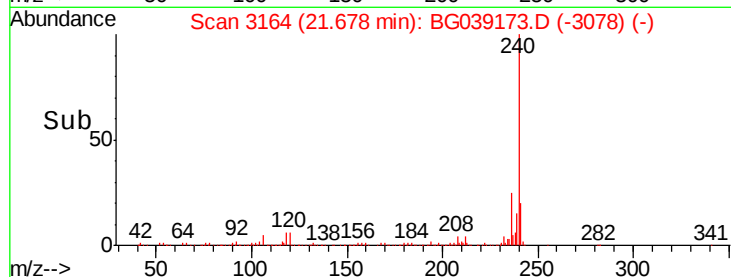
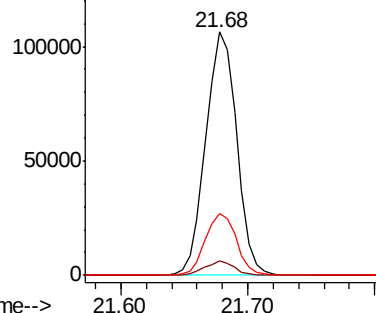
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.03 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Instrument :
BNA_G
ClientSampleId :
CPGP-5

Tgt Ion:240 Resp: 179660
Ion Ratio Lower Upper
240 100
120 6.1 4.3 6.5
236 25.5 20.1 30.1

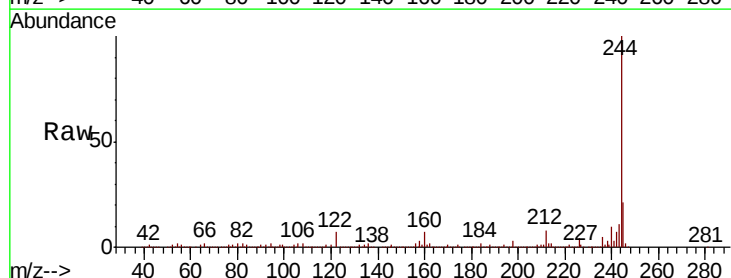


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

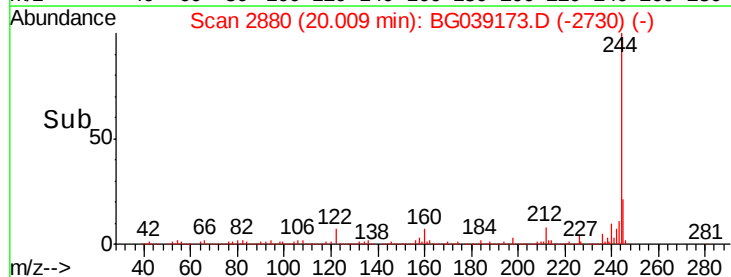
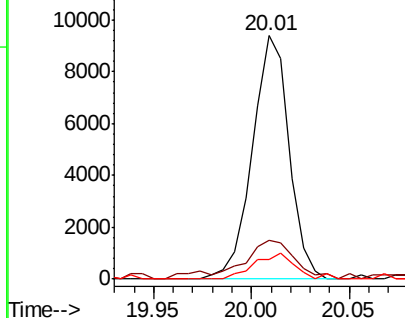


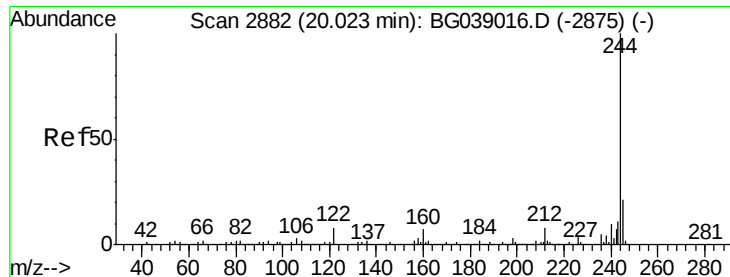
#77
Benzidine
Concen: 2.221 ng
RT: 20.01 min Scan# 2880
Delta R.T. 0.35 min
Lab File: BG039173.D
Acq: 17 Jan 2019 1:35

Tgt Ion:184 Resp: 12207
Ion Ratio Lower Upper
184 100
185 15.8 12.1 18.1
183 8.3 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: 76.632 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

Instrument :

BNA_G

ClientSampleId :

CPGP-5

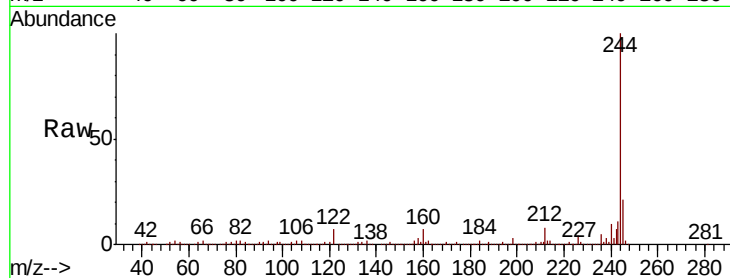
Tgt Ion:244 Resp: 744248

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

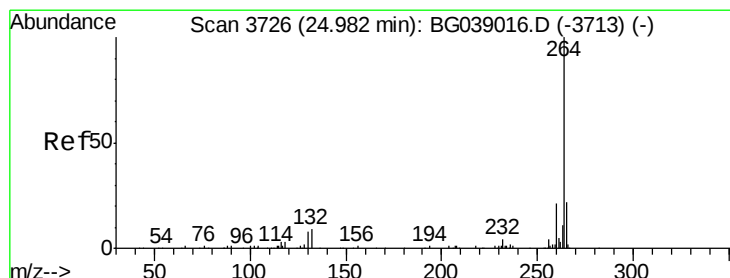
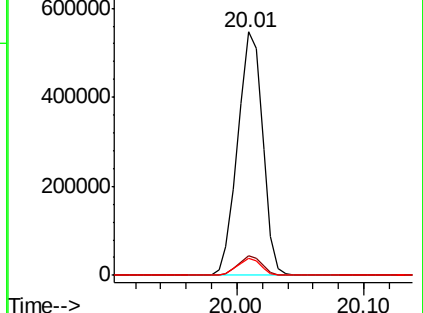
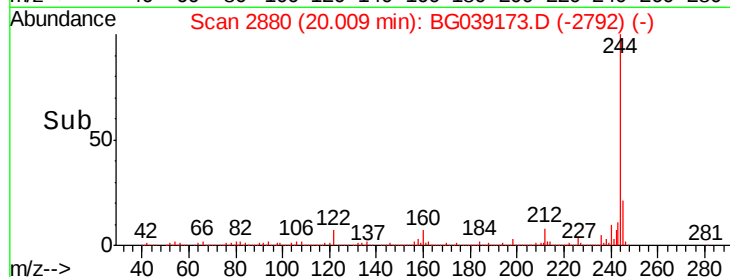
122 7.1 6.1 9.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3720

Delta R.T. -0.04 min

Lab File: BG039173.D

Acq: 17 Jan 2019 1:35

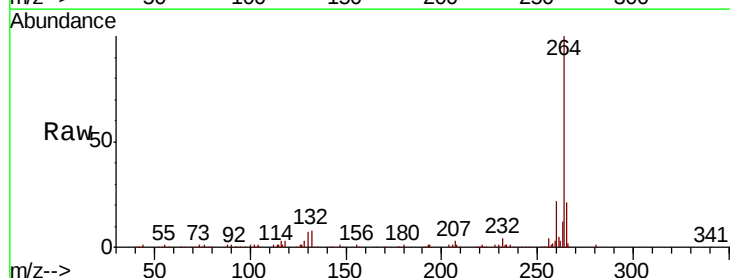
Tgt Ion:264 Resp: 187308

Ion Ratio Lower Upper

264 100

260 21.5 17.0 25.6

265 20.9 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

