

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039192.D
 Acq On : 17 Jan 2019 18:40
 Operator : JU/SJ
 Sample : K1149-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW001-190114-01

Quant Time: Jan 18 04:13:00 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	8.01	152	23595	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	90193	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	69558	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	187591	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	210172	20.00	ng	-0.03
87) Perylene-d12	24.94	264	205468	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	92191	74.12	ng	-0.01
7) Phenol-d6	7.17	99	75256	42.04	ng	-0.02
23) Nitrobenzene-d5	9.19	82	145715	88.40	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	155108	133.03	ng	-0.02
45) 2-Fluorobiphenyl	13.28	172	449810	88.50	ng	-0.01
79) Terphenyl-d14	20.01	244	962042	84.68	ng	-0.01

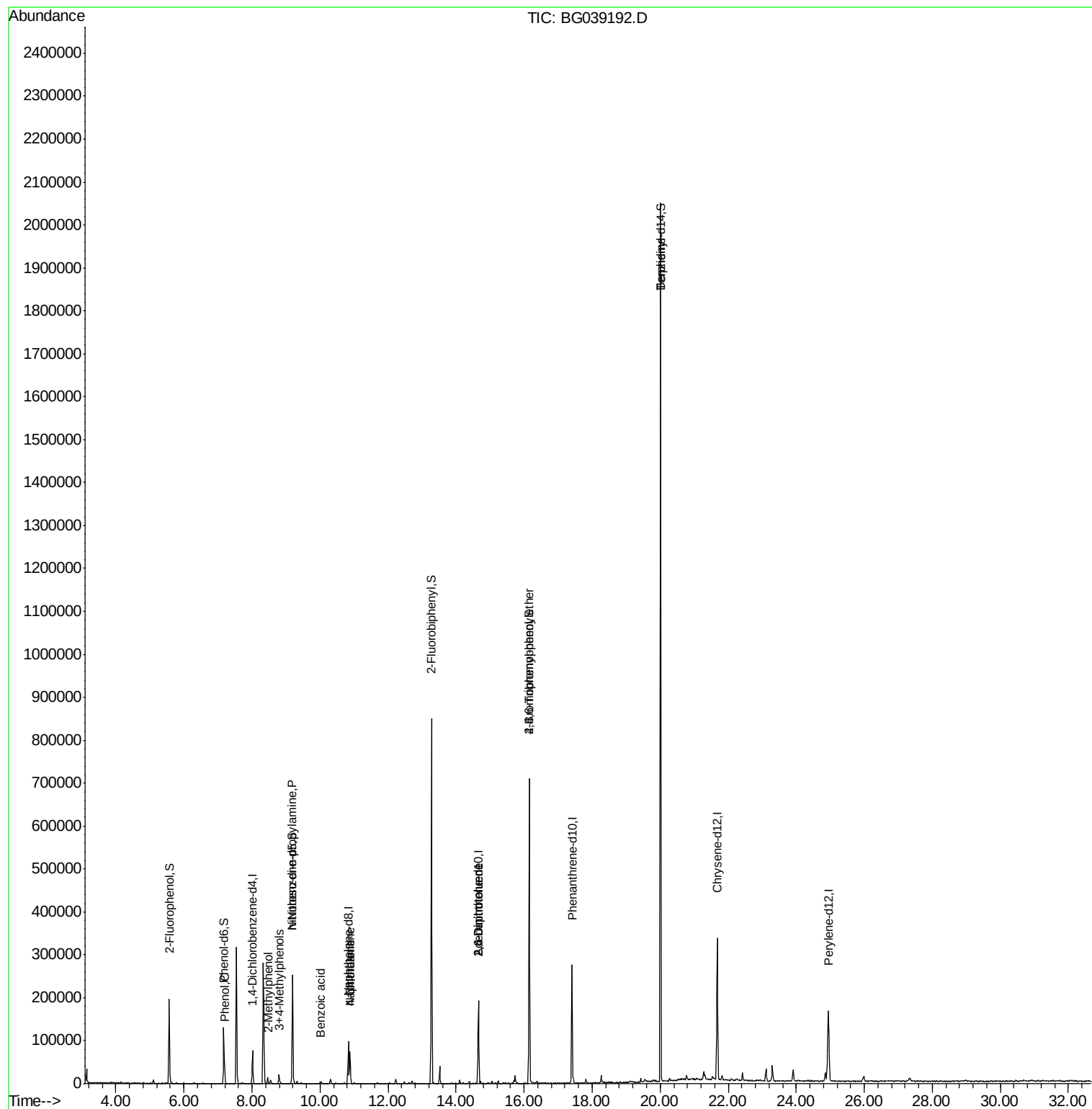
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.20	94	11205	6.244	ng	91
17) 2-Methylphenol	8.46	107	4952	3.974	ng	94
19) n-Nitroso-di-n-propylamine	9.19	70	19096	16.246	ng	# 71
20) 3+4-Methylphenols	8.79	107	9819	5.527	ng	90
31) Naphthalene	10.88	128	67802	14.989	ng	99
32) Benzoic acid	10.03	122	1630	11.127	ng	# 11
33) 4-Chloroaniline	10.88	127	8812	4.354	ng	# 43
51) 2,6-Dinitrotoluene	14.66	165	8830	6.719	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	8830	4.683	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	10016	4.154	ng	# 1
77) Benzidine	20.01	184	15768	2.453	ng	96

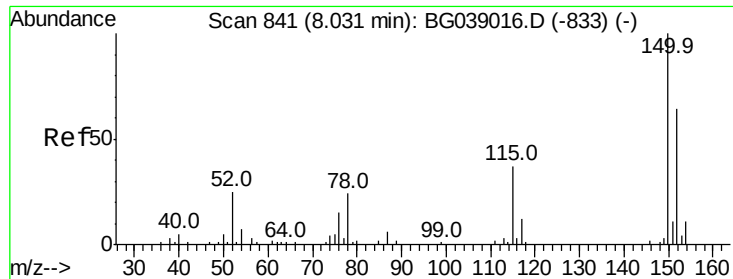
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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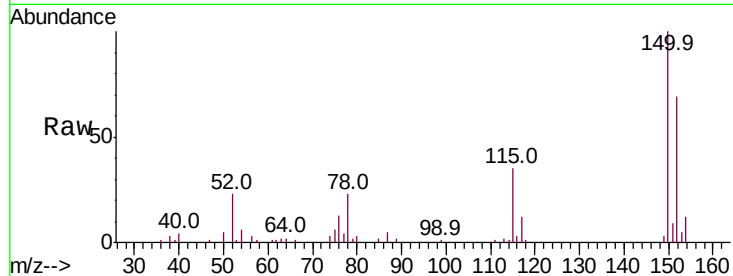


#1

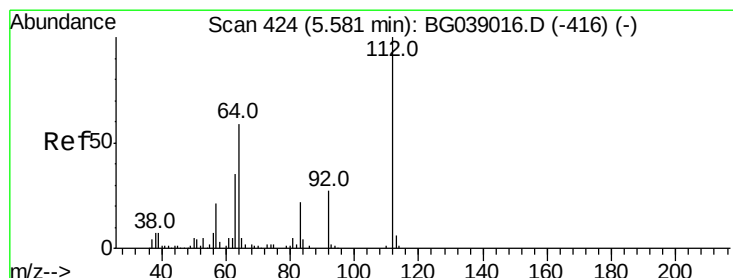
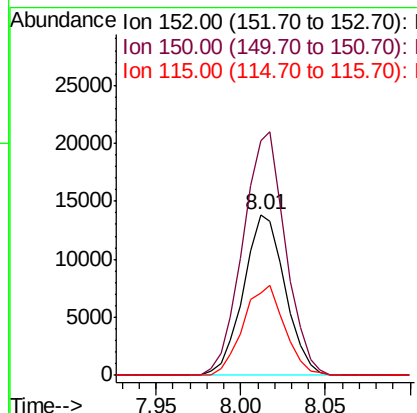
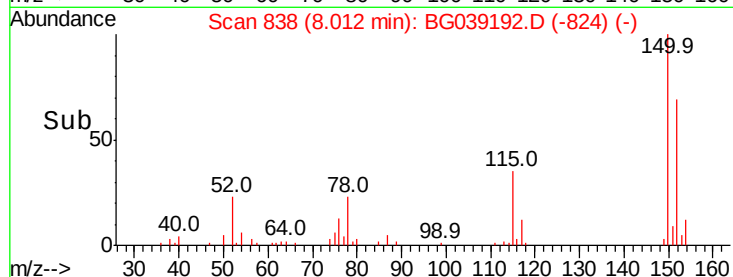
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.02 min
Lab File: BG039192.D
Acq: 17 Jan 2019 18:40

Instrument :
BNA_G
ClientSampleId :
SW001-190114-01

Tot Ion:152 Resp: 23595
Ion Ratio Lower Upper
152 100
150 145.7 124.7 187.1
115 51.1 46.5 69.7



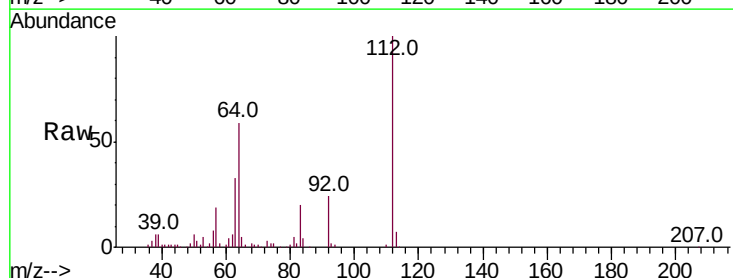
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



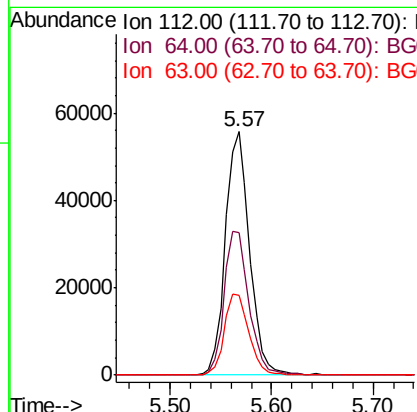
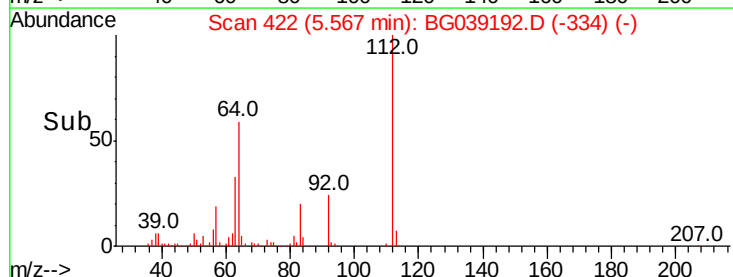
#5

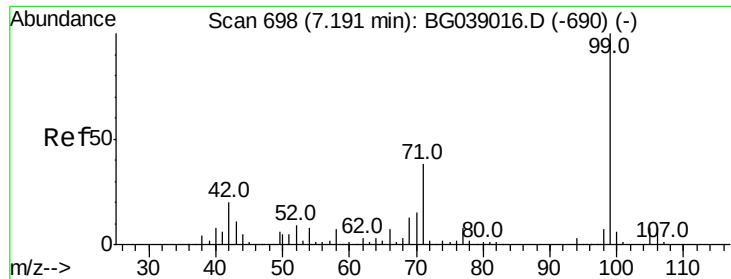
2-Fluorophenol
Concen: 74.119 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039192.D
Acq: 17 Jan 2019 18:40

Tgt Ion:112 Resp: 92191
Ion Ratio Lower Upper
112 100
64 58.6 47.0 70.6
63 32.7 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: 42.042 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

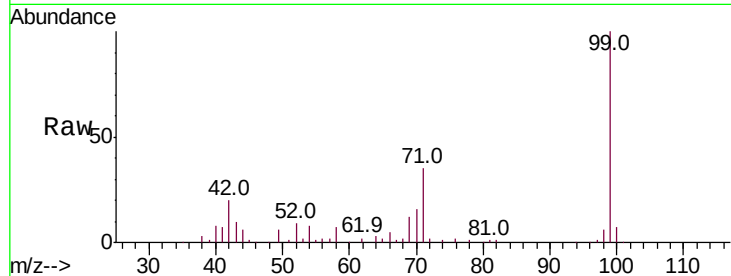
Tot Ion: 99 Resp: 75256

Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

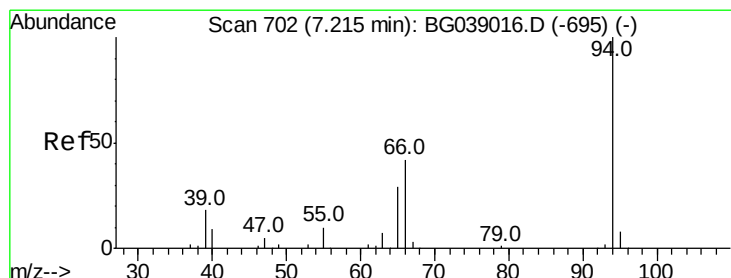
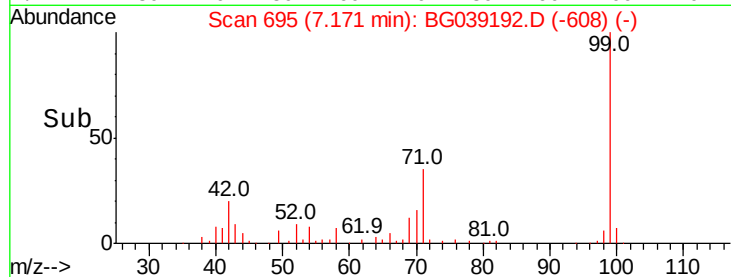
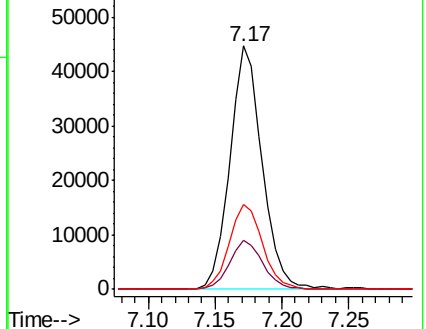
71 35.1 30.2 45.4



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



#10

Phenol

Concen: 6.244 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

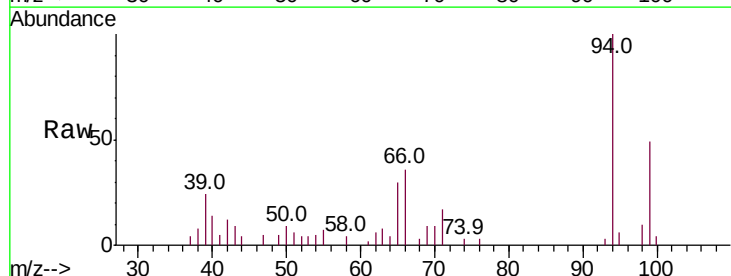
Tgt Ion: 94 Resp: 11205

Ion Ratio Lower Upper

94 100

65 30.4 10.3 50.3

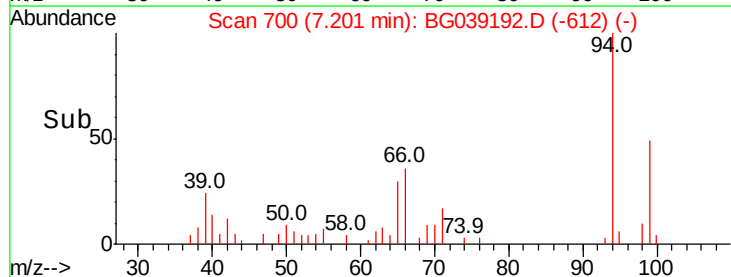
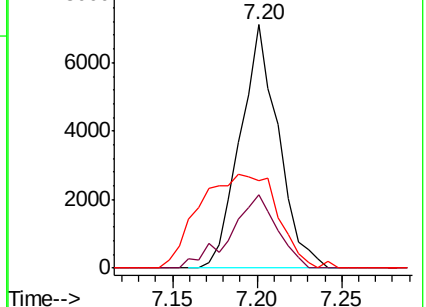
66 35.7 25.1 65.1

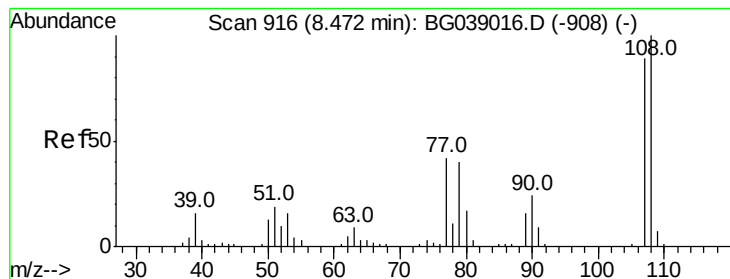


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#17

2-Methylphenol

Concen: 3.974 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

Tot Ion:107 Resp: 4952

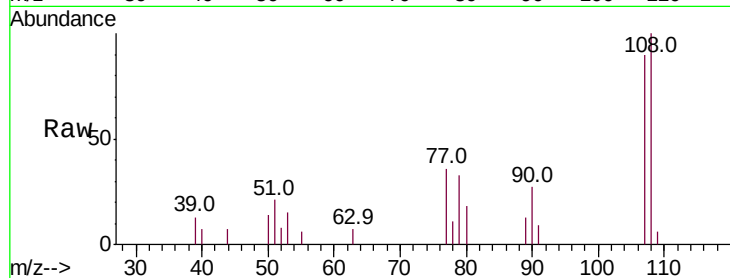
Ion Ratio Lower Upper

107 100

108 111.5 90.3 135.5

77 39.7 38.3 57.5

79 37.0 35.8 53.6

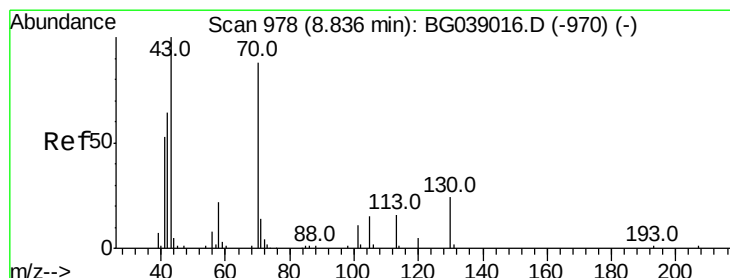
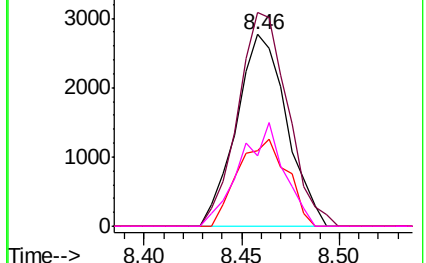
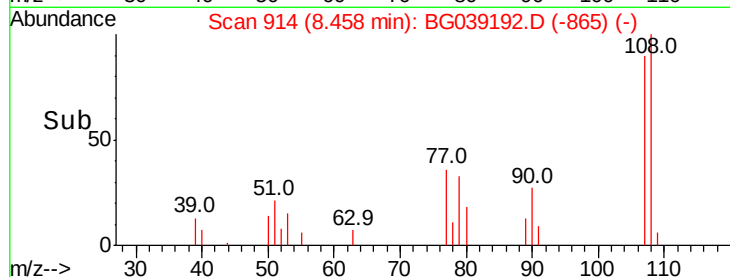


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#19

n-Nitroso-di-n-propylamine

Concen: 16.246 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Tgt Ion: 70 Resp: 19096

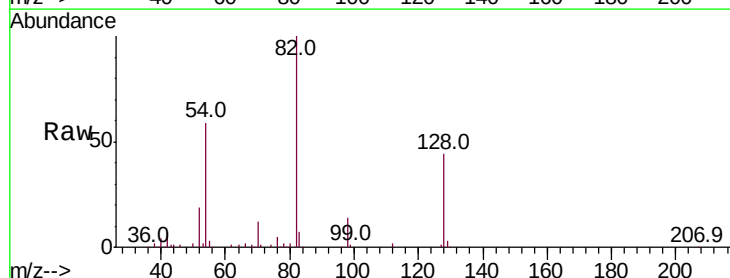
Ion Ratio Lower Upper

70 100

42 54.8 59.0 88.4#

101 0.0 10.4 15.6#

130 3.1 21.6 32.4#

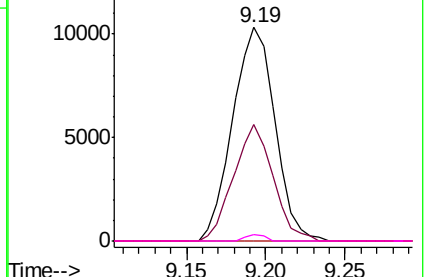
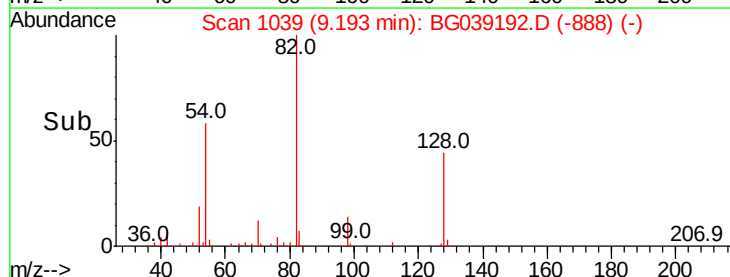


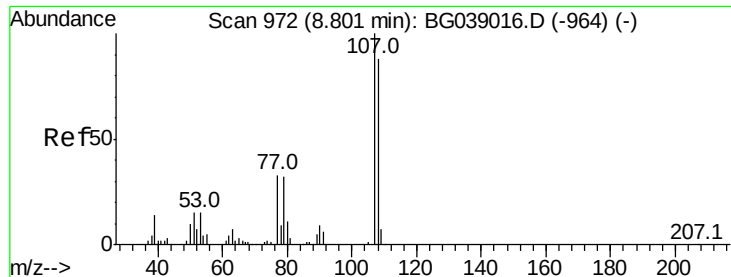
Abundance Ion 70.00 (69.70 to 70.70): BG

Ion 42.00 (41.70 to 42.70): BG

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 5.527 ng

RT: 8.79 min Scan# 971

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

Tot Ion:107 Resp: 9819

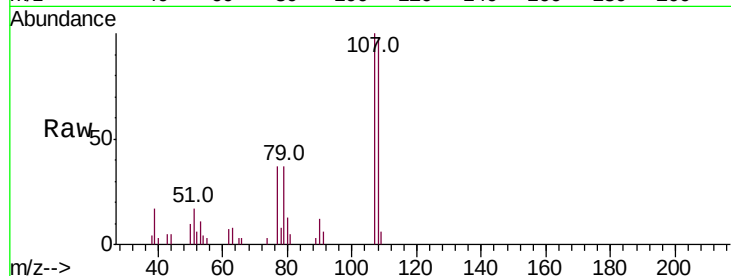
Ion Ratio Lower Upper

107 100

108 98.4 68.4 108.4

77 37.0 13.3 53.3

79 36.9 11.6 51.6



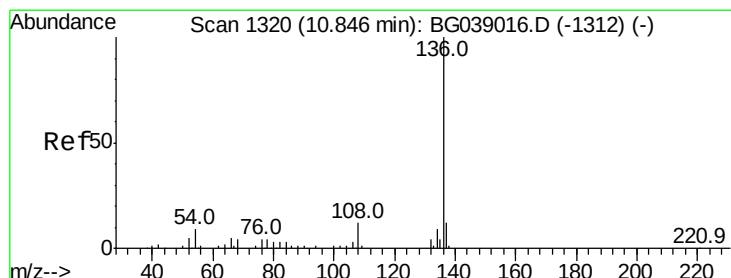
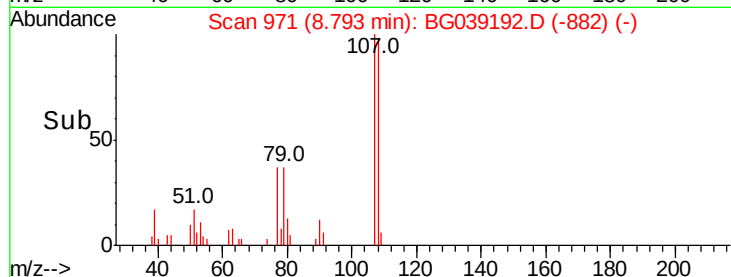
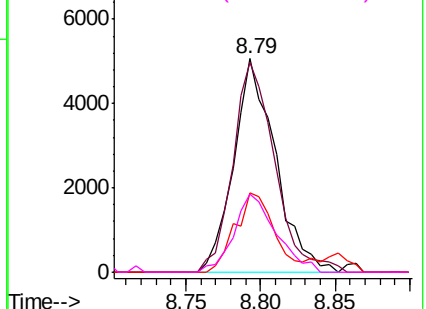
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Tgt Ion:136 Resp: 90193

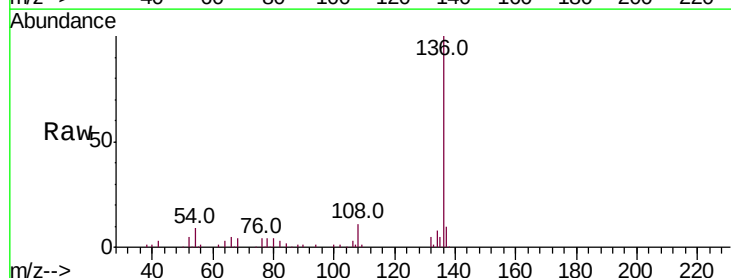
Ion Ratio Lower Upper

136 100

137 10.4 9.4 14.2

54 8.8 7.2 10.8

68 3.9 3.5 5.3



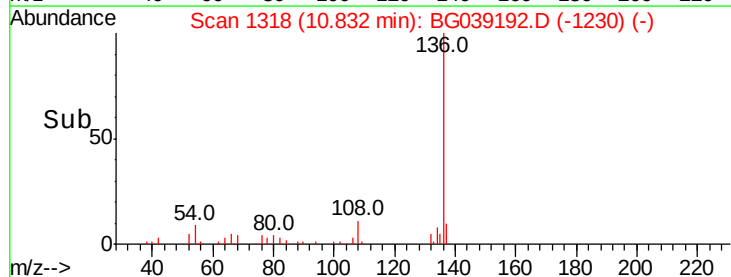
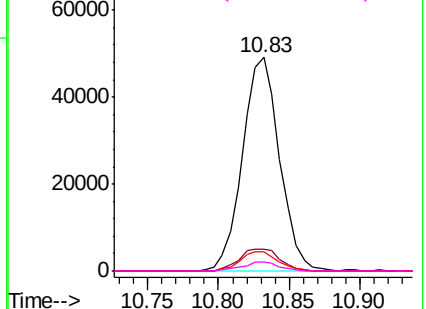
Abundance

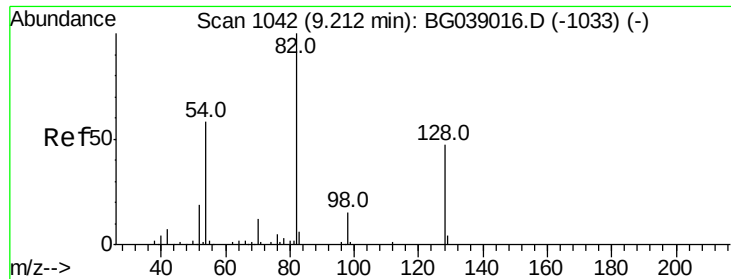
Ion 136.00 (135.70 to 136.70): E

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

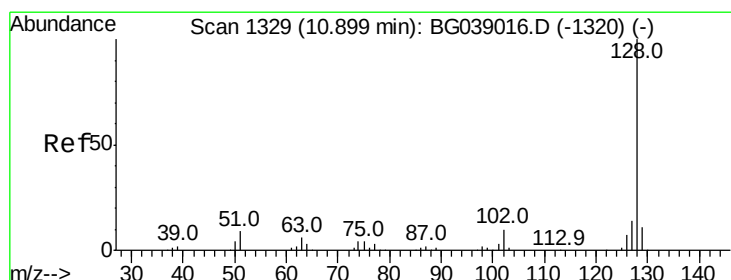
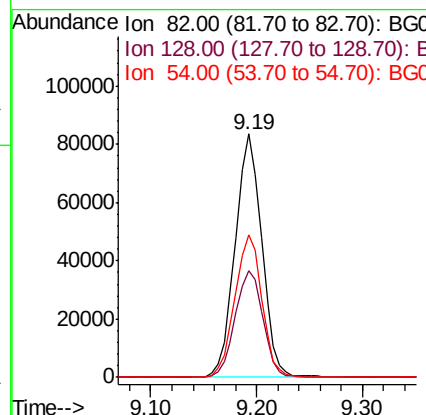
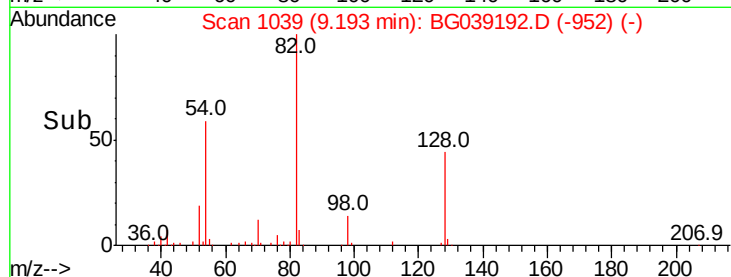
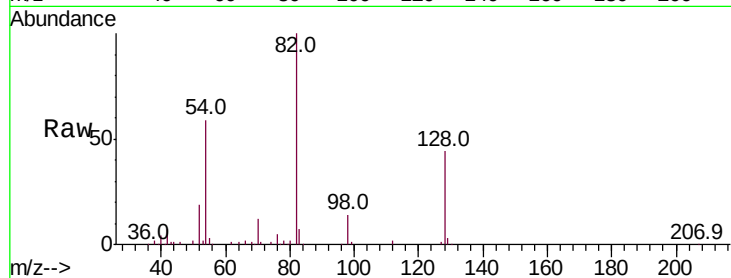




#23
Nitrobenzene-d5
Concen: 88.404 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG039192.D
Acq: 17 Jan 2019 18:40

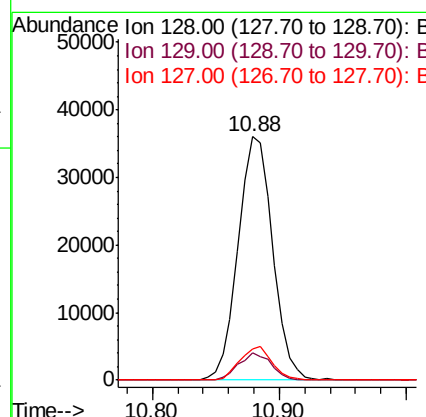
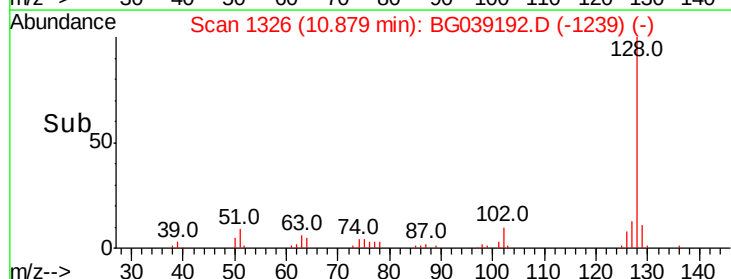
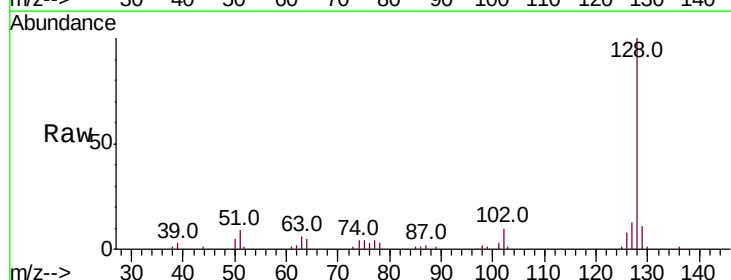
Instrument :
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SW001-190114-01

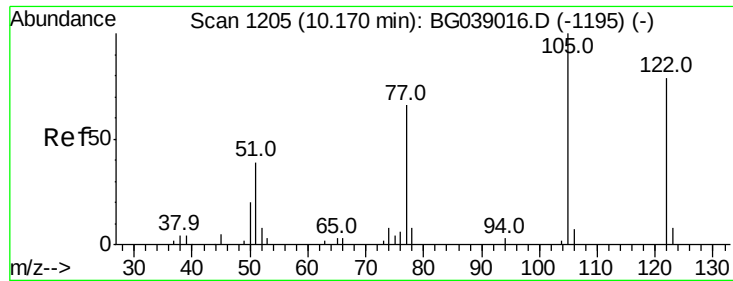
Tot Ion: 82 Resp: 145715
Ion Ratio Lower Upper
82 100
128 43.6 37.3 55.9
54 58.7 46.4 69.6



#31
Naphthalene
Concen: 14.989 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BG039192.D
Acq: 17 Jan 2019 18:40

Tgt Ion: 128 Resp: 67802
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.0 11.2 16.8





#32

Benzoic acid

Concen: 11.127 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.14 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

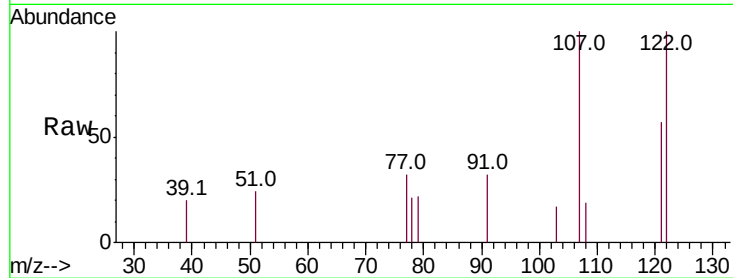
Tot Ion:122 Resp: 1630

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

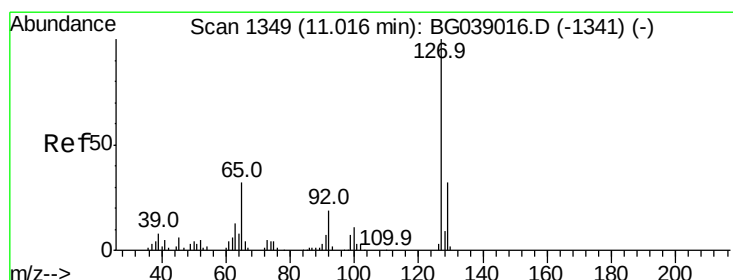
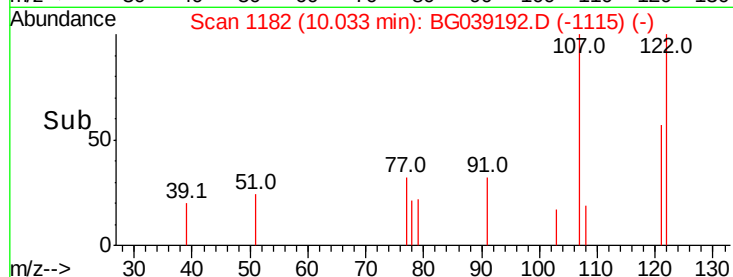
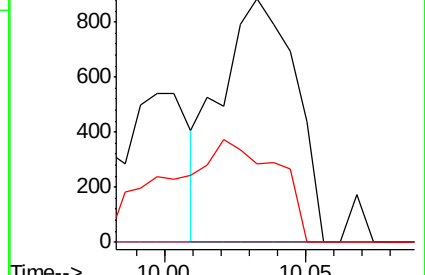
77 32.1 63.6 103.6#



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



#33

4-Chloroaniline

Concen: 4.354 ng

RT: 10.88 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Tgt Ion:127 Resp: 8812

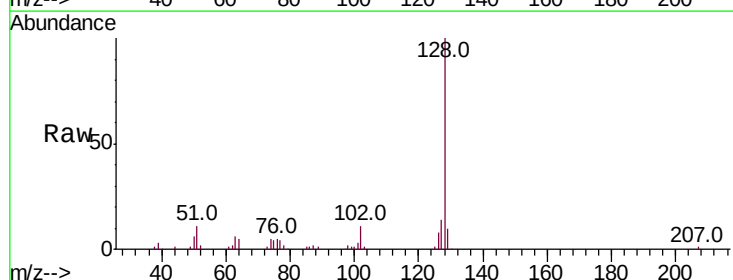
Ion Ratio Lower Upper

127 100

129 67.9 25.4 38.0#

65 0.0 25.4 38.0#

92 0.0 15.2 22.8#

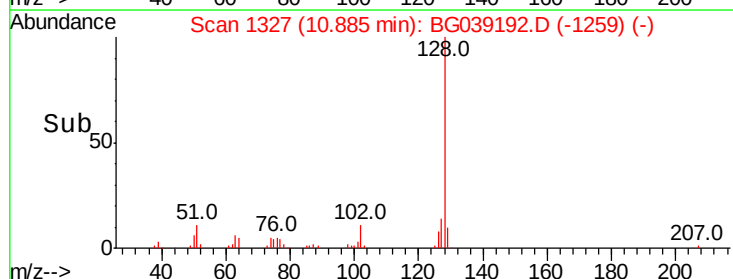
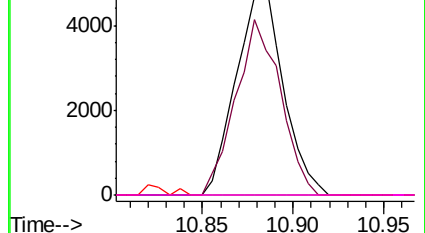


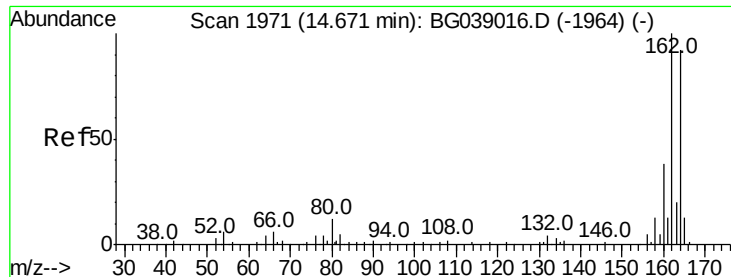
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

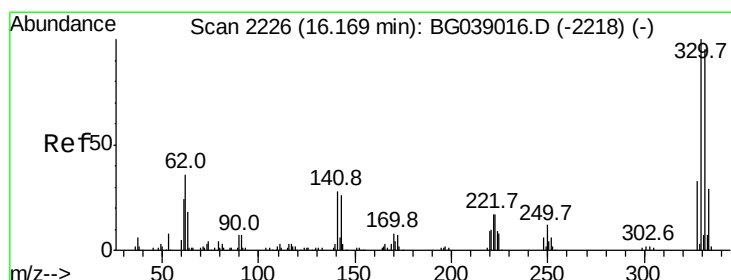
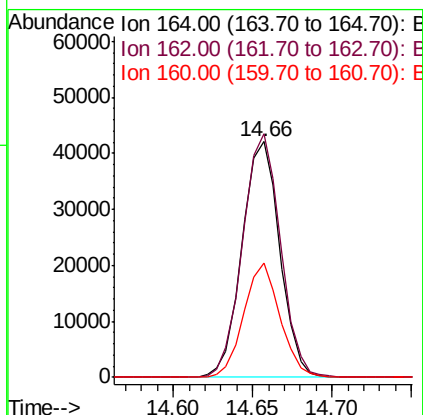
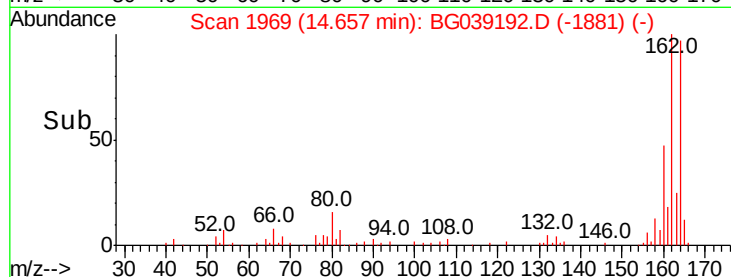
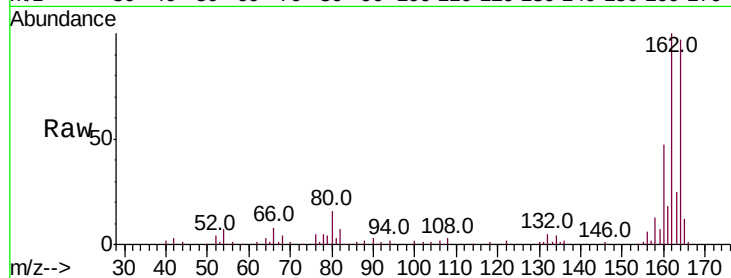
BNA_G

ClientSampleId :

SW001-190114-01

Tot Ion:164 Resp: 69558

Ion	Ratio	Lower	Upper
164	100		
162	103.4	87.2	130.8
160	48.6	33.3	49.9



#42

2,4,6-Tribromophenol

Concen: 133.028 ng

RT: 16.15 min Scan# 2223

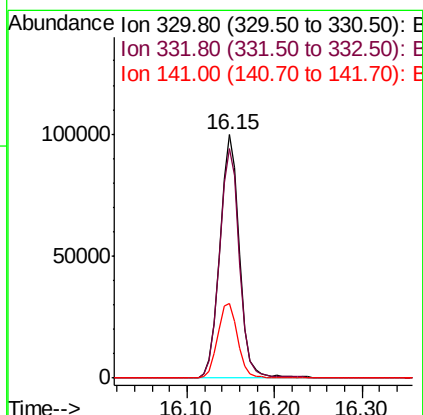
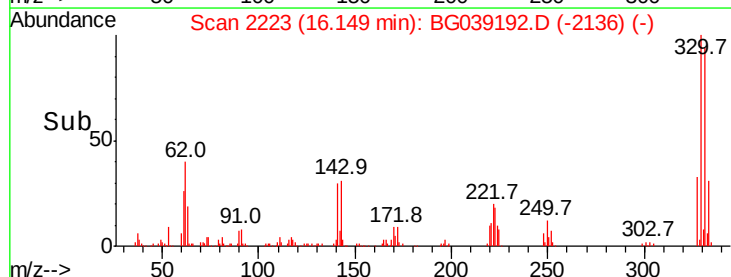
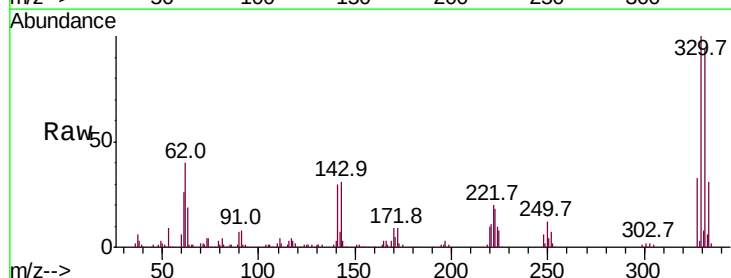
Delta R.T. -0.02 min

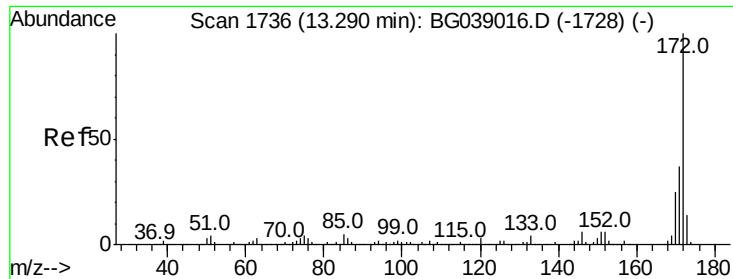
Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Tgt Ion:330 Resp: 155108

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.7	113.5
141	31.8	24.9	37.3





#45

2-Fluorobiphenyl

Concen: 88.501 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

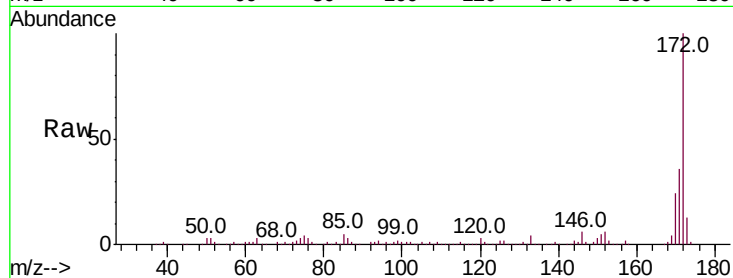
Tot Ion:172 Resp: 449810

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

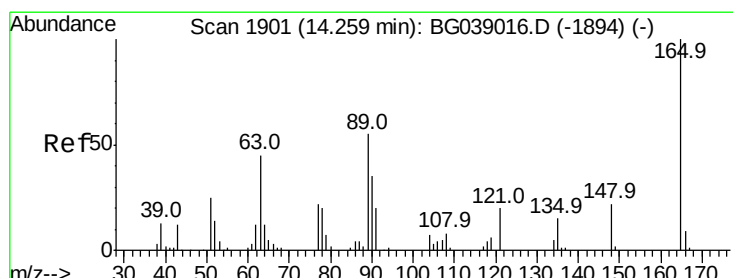
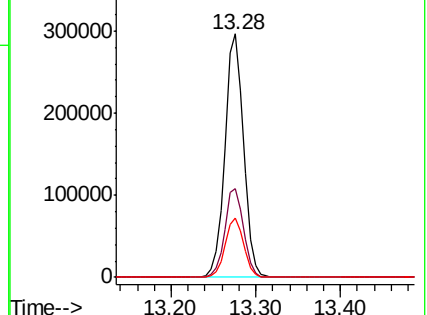
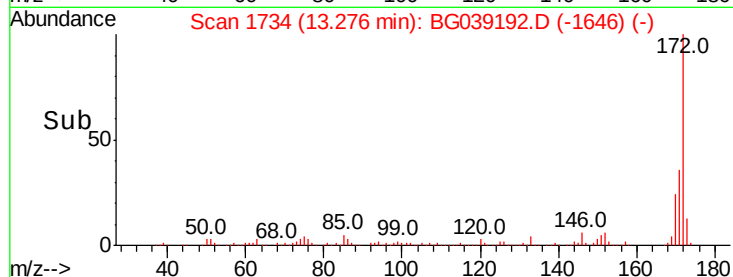
170 24.2 20.1 30.1



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: 6.719 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.40 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

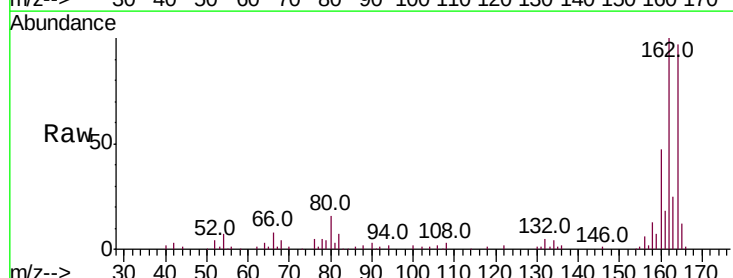
Tgt Ion:165 Resp: 8830

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

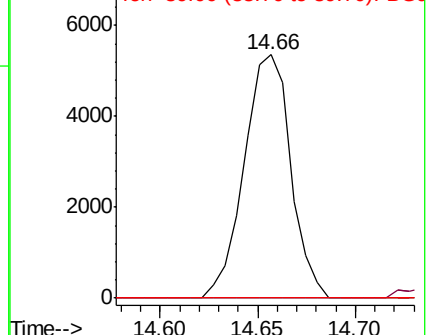
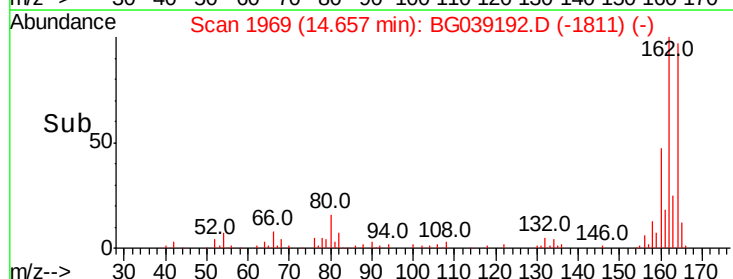
89 0.0 43.7 65.5#

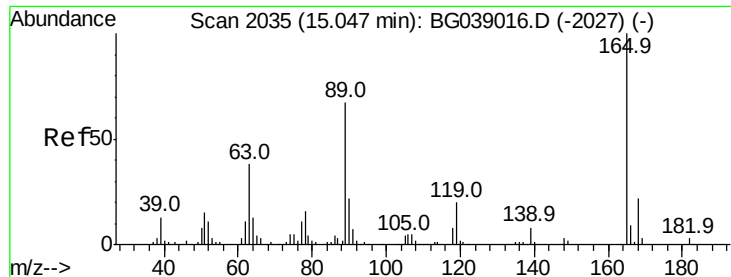


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

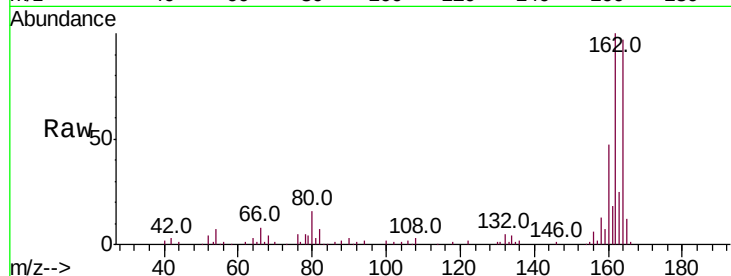




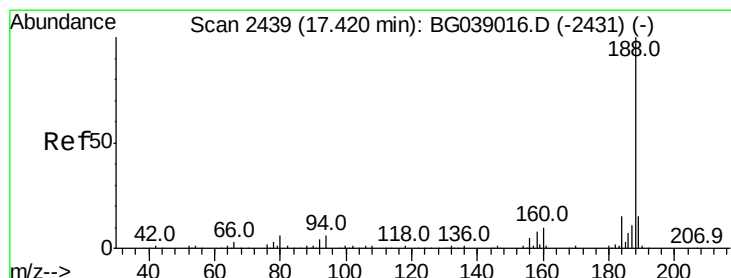
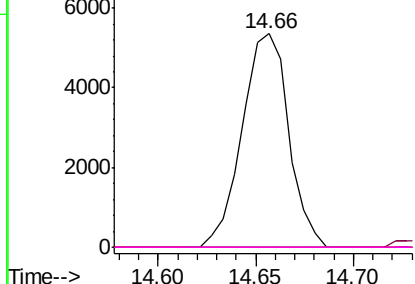
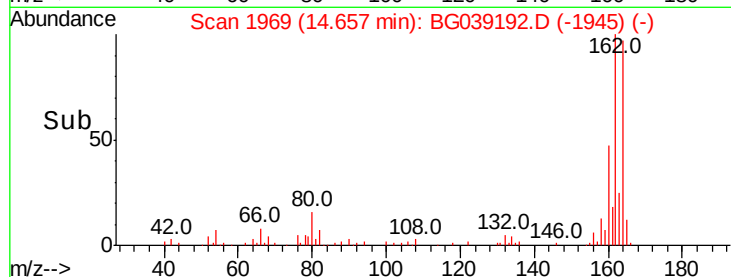
#57
 2,4-Dinitrotoluene
 Concen: 4.683 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039192.D
 Acq: 17 Jan 2019 18:40

Instrument :
 BNA_G
 ClientSampleId :
 SW001-190114-01

Tot Ion:165 Resp: 8830
 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#

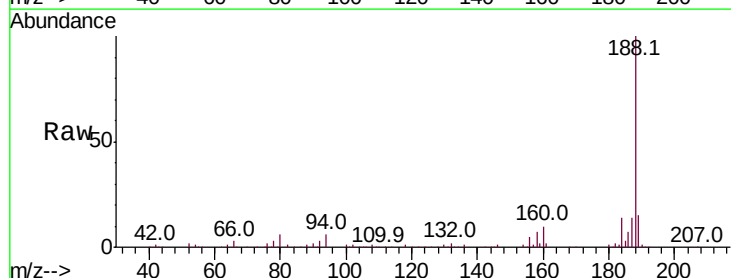


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

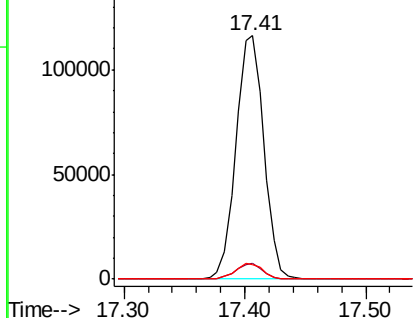
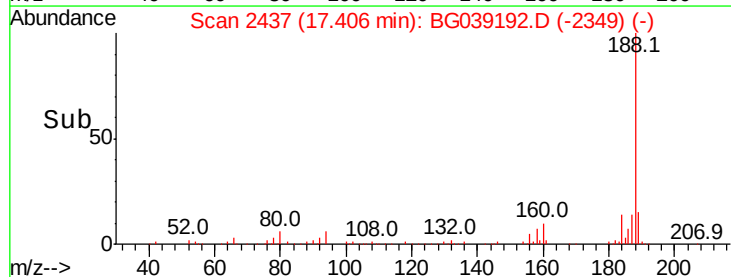


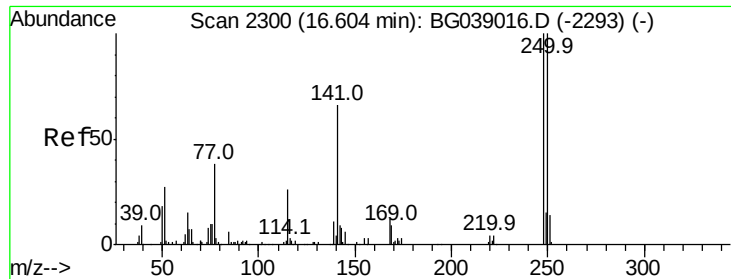
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG039192.D
 Acq: 17 Jan 2019 18:40

Tgt Ion:188 Resp: 187591
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.0 7.4
 80 6.0 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

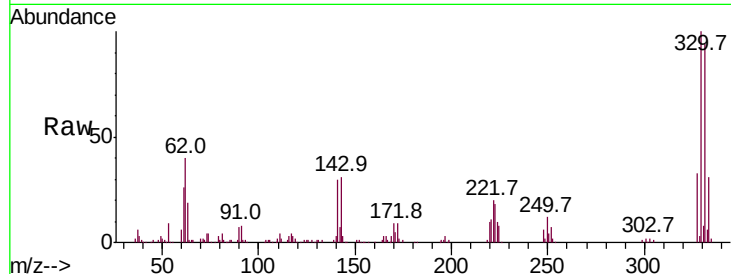




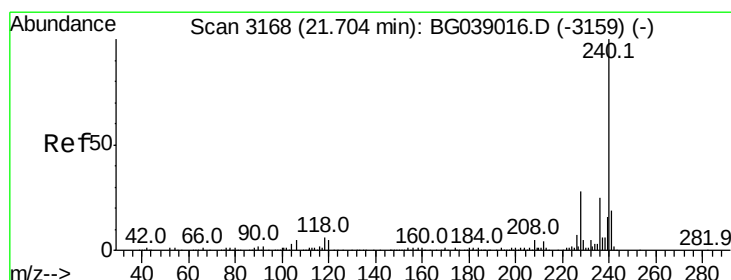
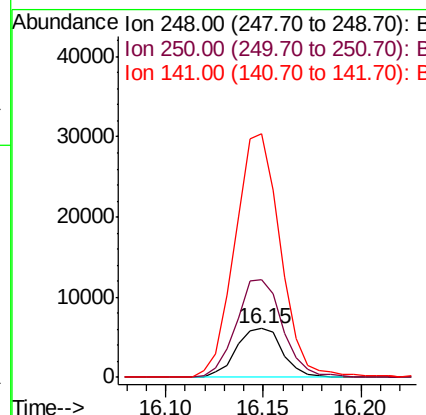
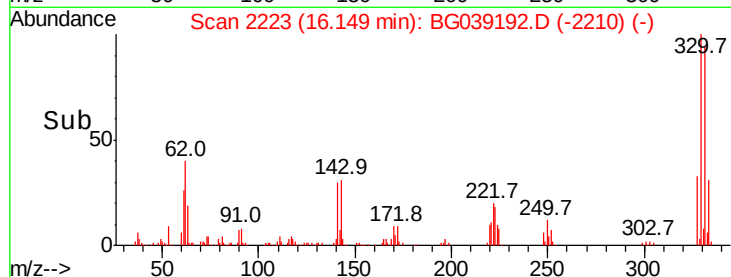
#67
 4-Bromophenyl-phenylether
 Concen: 4.154 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG039192.D
 Acq: 17 Jan 2019 18:40

Instrument :
 BNA_G
 ClientSampleId :
 SW001-190114-01

Tot Ion:248 Resp: 10016
 Ion Ratio Lower Upper
 248 100
 250 206.9 79.9 119.9#
 141 388.1 52.7 79.1#

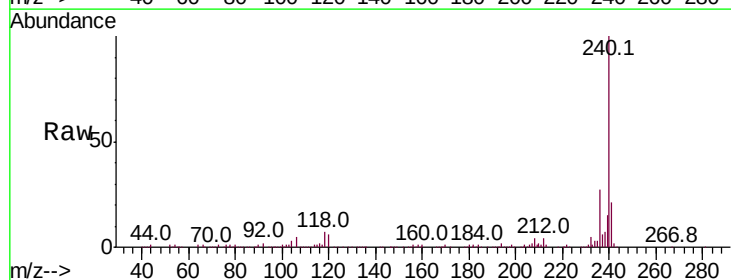


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

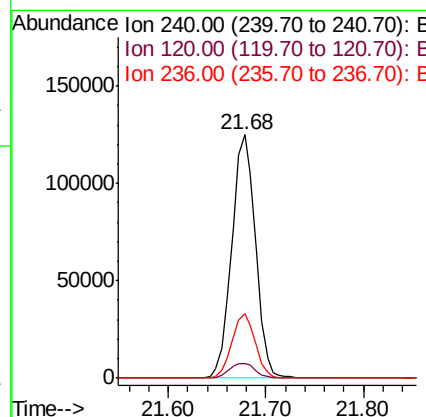
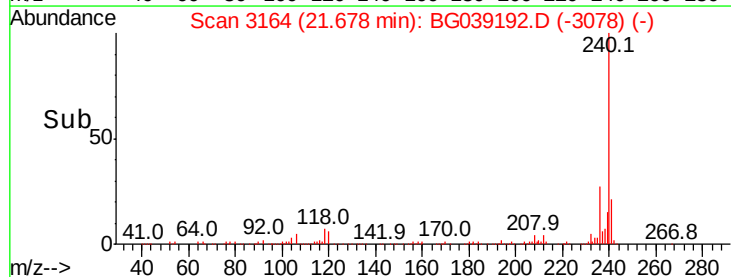


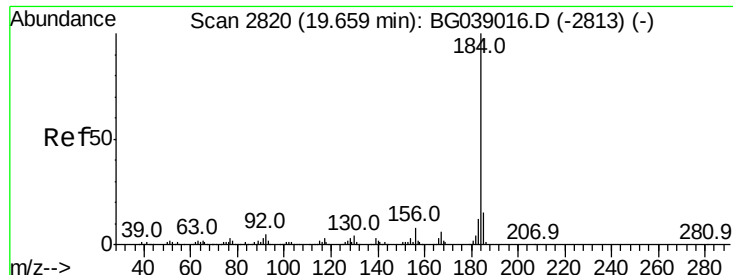
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.03 min
 Lab File: BG039192.D
 Acq: 17 Jan 2019 18:40

Tgt Ion:240 Resp: 210172
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.3 6.5
 236 26.6 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: 2.453 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.35 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

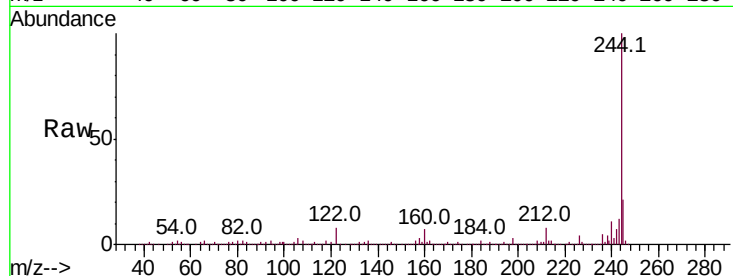
Tot Ion:184 Resp: 15768

Ion Ratio Lower Upper

184 100

185 16.4 12.1 18.1

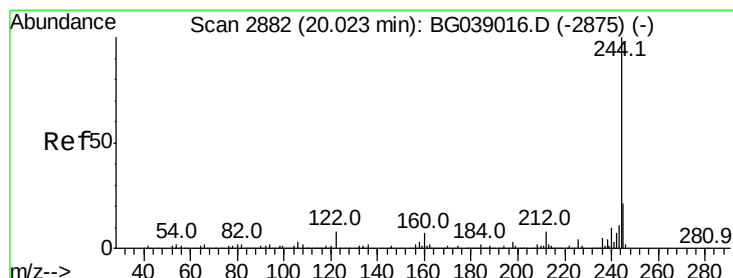
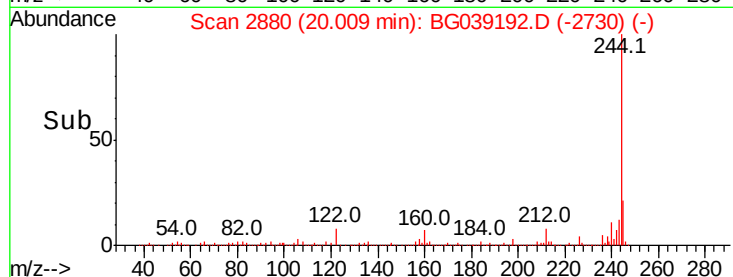
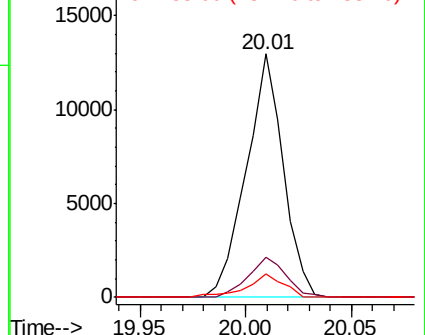
183 9.9 9.5 14.3



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: 84.677 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

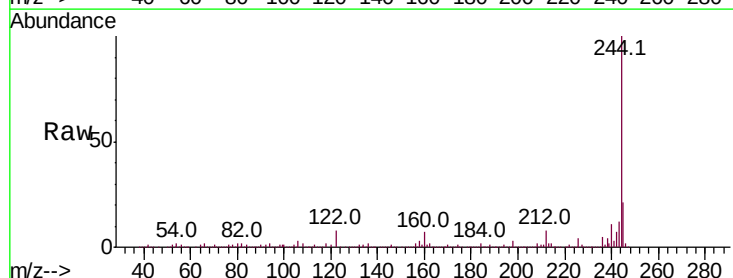
Tgt Ion:244 Resp: 962042

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

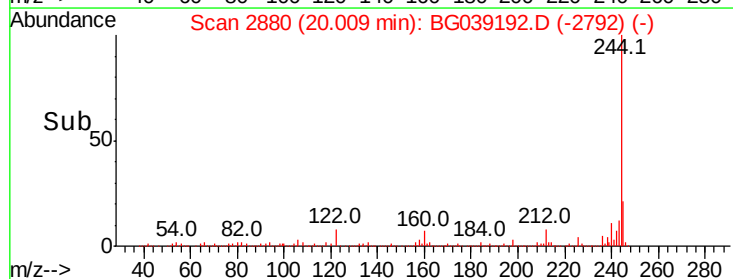
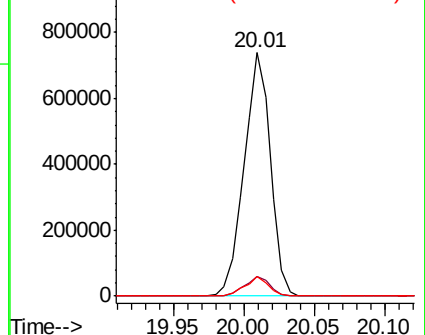
122 8.1 6.1 9.1

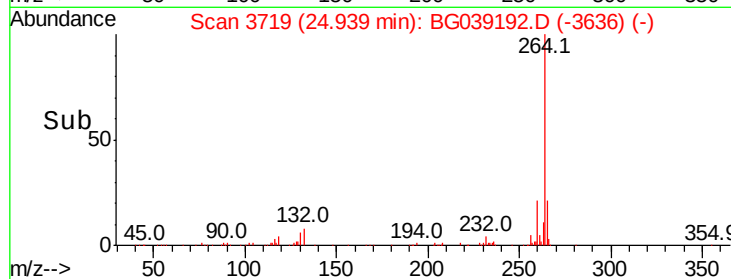
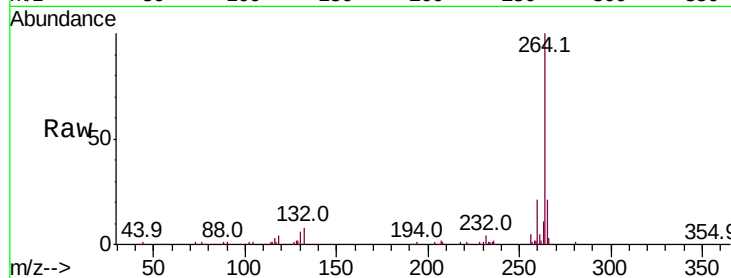
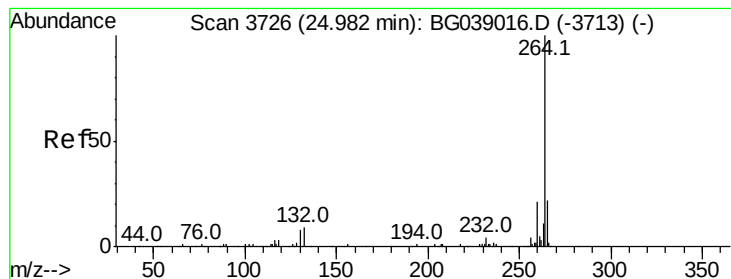


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3719

Delta R.T. -0.04 min

Lab File: BG039192.D

Acq: 17 Jan 2019 18:40

Instrument :

BNA_G

ClientSampleId :

SW001-190114-01

Tot Ion:264 Resp: 205468

Ion Ratio Lower Upper

264 100

260 21.2 17.0 25.6

265 21.4 17.2 25.8

