

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039119.D
 Acq On : 12 Jan 2019 15:04
 Operator : JU/SJ
 Sample : K1123-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:04:47 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	19304	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	95414	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	81139	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219063	20.00	ng	0.00
76) Chrysene-d12	21.69	240	182206	20.00	ng	-0.01
87) Perylene-d12	24.96	264	199479	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	70518	69.30	ng	0.00
7) Phenol-d6	7.18	99	72660	49.61	ng	0.00
23) Nitrobenzene-d5	9.20	82	132770	76.14	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	170070	125.04	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	428477	72.27	ng	0.00
79) Terphenyl-d14	20.01	244	755215	76.68	ng	0.00

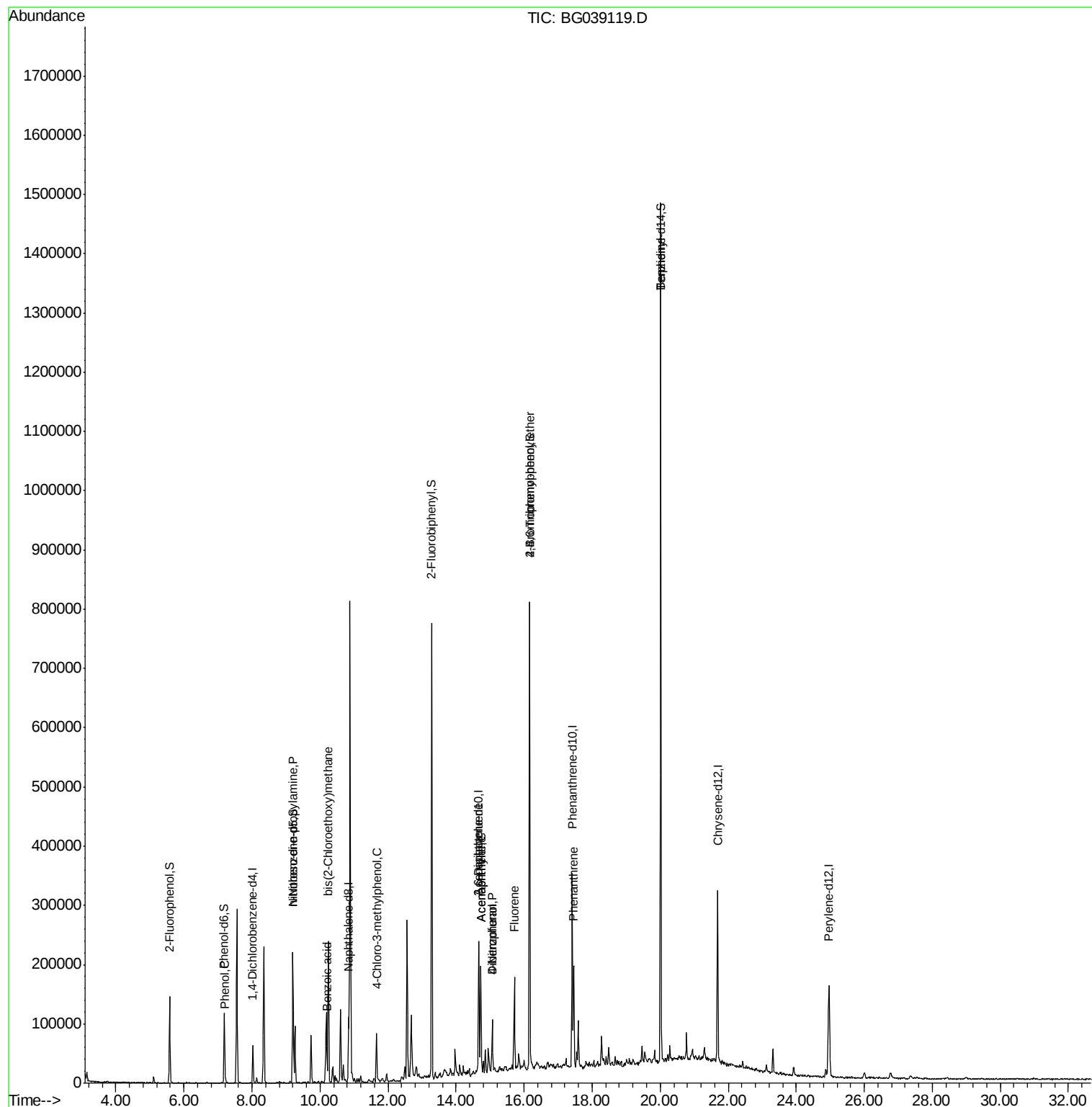
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.21	94	4293	2.924	ng	# 67
19) n-Nitroso-di-n-propylamine	9.20	70	18770	19.518	ng	# 62
28) bis(2-Chloroethoxy)methane	10.24	93	9660	5.351	ng	# 1
32) Benzoic acid	10.21	122	221	9.663	ng	# 1
36) 4-Chloro-3-methylphenol	11.66	107	72464	40.662	ng	# 15
49) Acenaphthylene	14.73	152	34763	4.445	ng	# 1
51) 2,6-Dinitrotoluene	14.67	165	11036	7.199	ng	# 26
52) Acenaphthene	14.73	154	64838	13.800	ng	98
55) Dibenzofuran	15.06	168	57654	6.948	ng	96
56) 4-Nitrophenol	15.06	139	21644	19.344	ng	# 4
58) Fluorene	15.71	166	70119	11.226	ng	99
67) 4-Bromophenyl-phenylether	16.16	248	11492	4.081	ng	# 1
71) Phenanthrene	17.46	178	116418	10.054	ng	99
77) Benzdine	20.01	184	13035	2.339	ng	95

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

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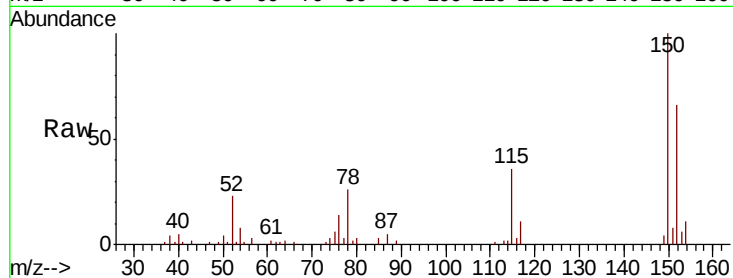


#1

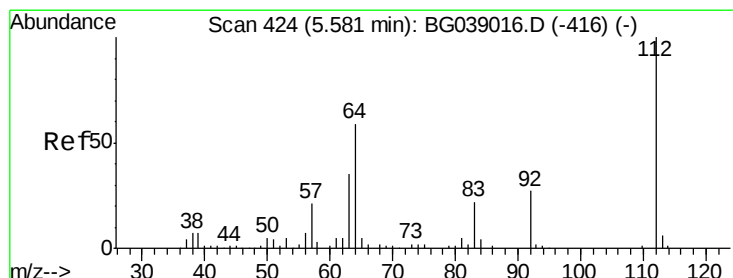
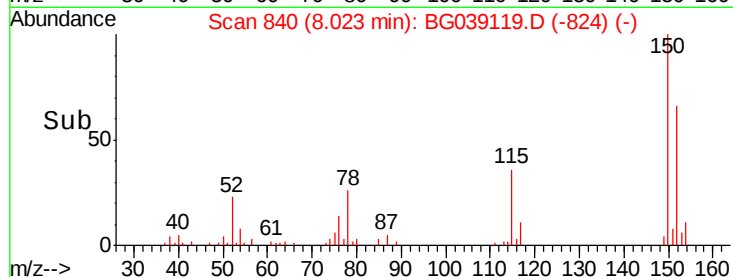
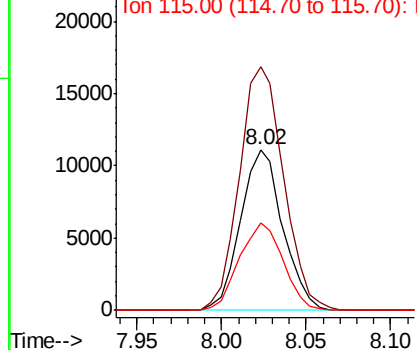
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 19304
Ion Ratio Lower Upper
152 100
150 151.3 124.7 187.1
115 54.1 46.5 69.7



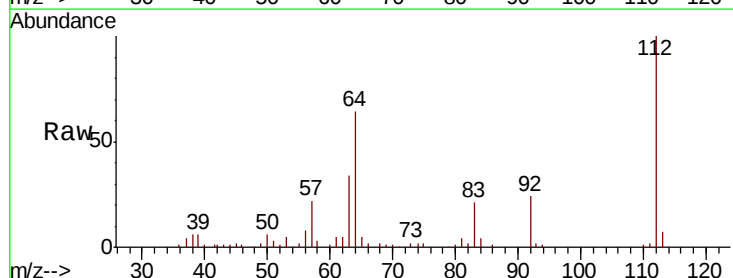
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



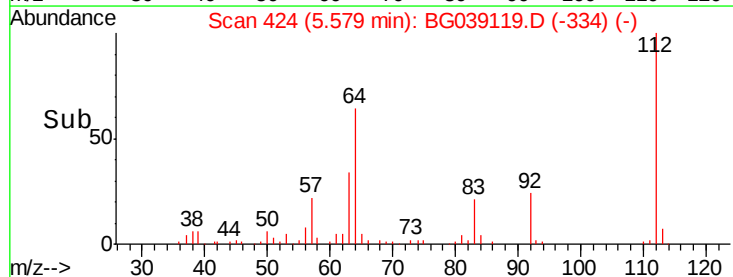
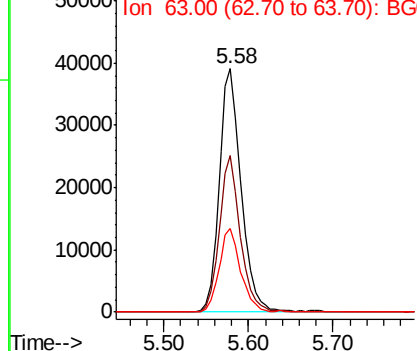
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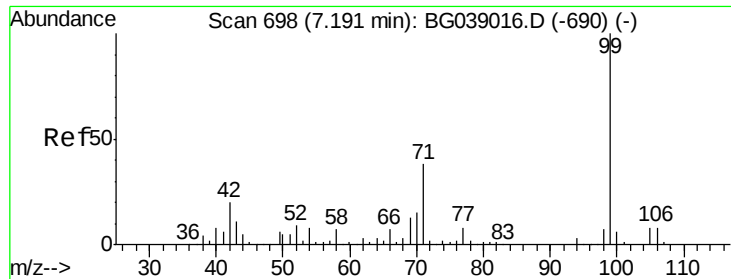
2-Fluorophenol
Concen: 69.297 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion:112 Resp: 70518
Ion Ratio Lower Upper
112 100
64 64.1 47.0 70.6
63 34.4 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: 49.615 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

Instrument :

BNA_G

ClientSampled :

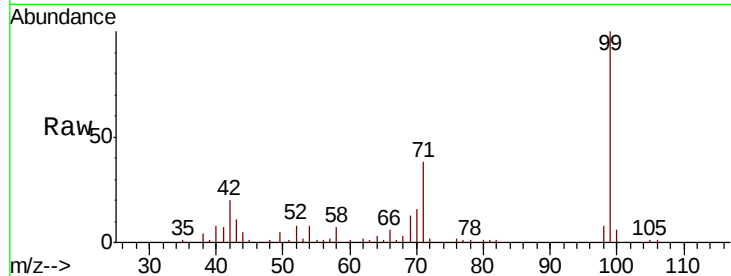
Tot Ion: 99 Resp: 72660

Ion Ratio Lower Upper

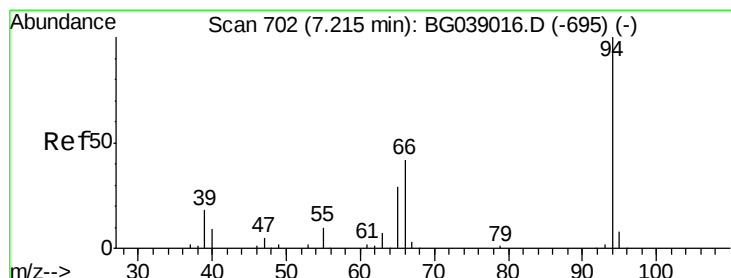
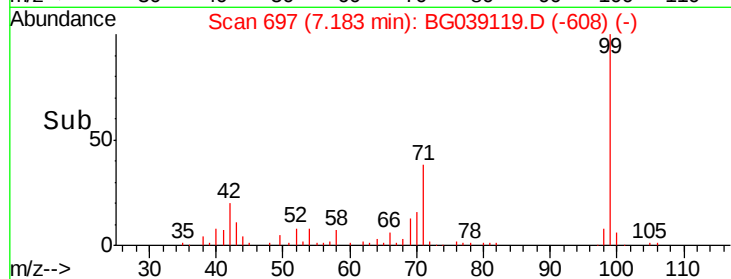
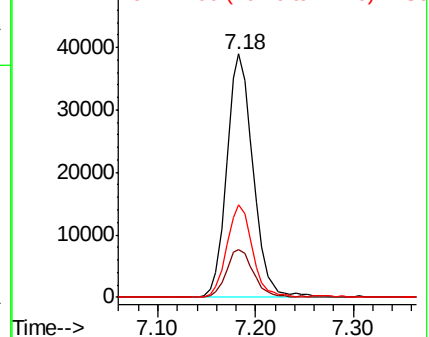
99 100

42 19.8 15.8 23.6

71 37.9 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: 2.924 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

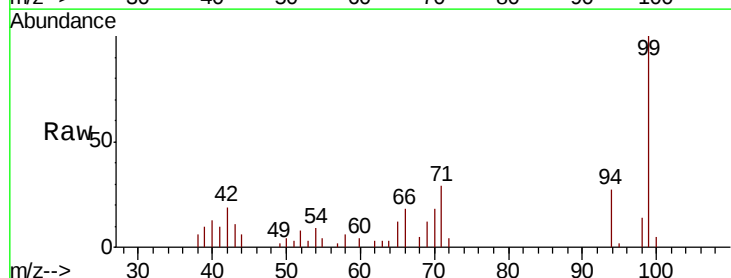
Tgt Ion: 94 Resp: 4293

Ion Ratio Lower Upper

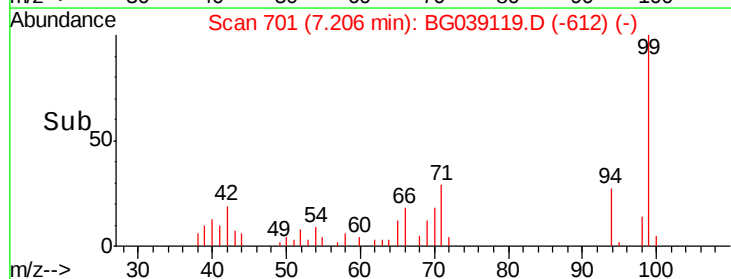
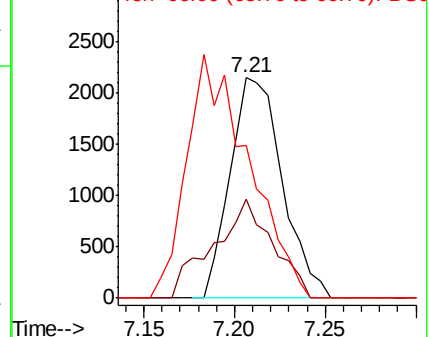
94 100

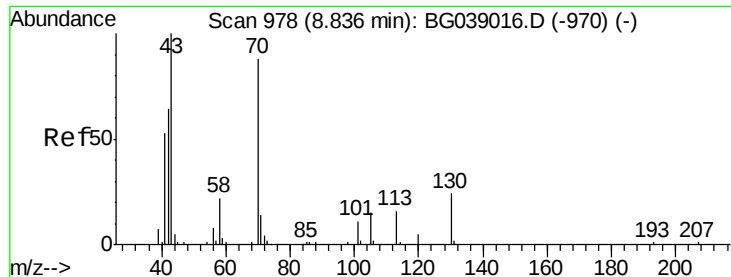
65 44.7 10.3 50.3

66 69.1 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

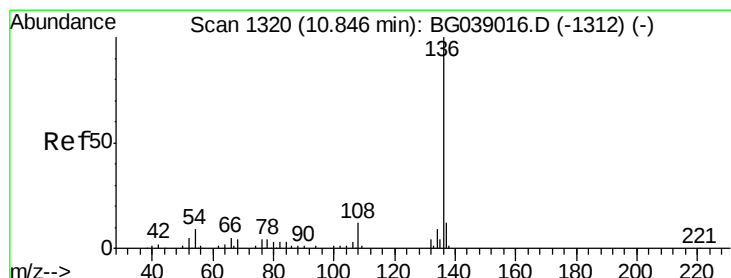
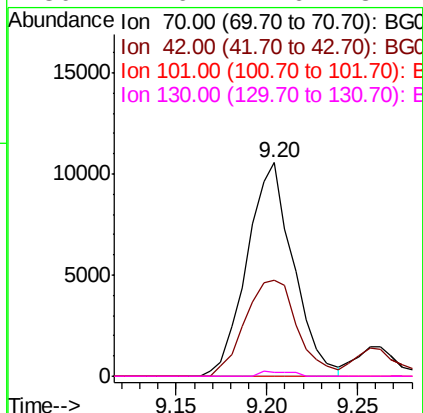
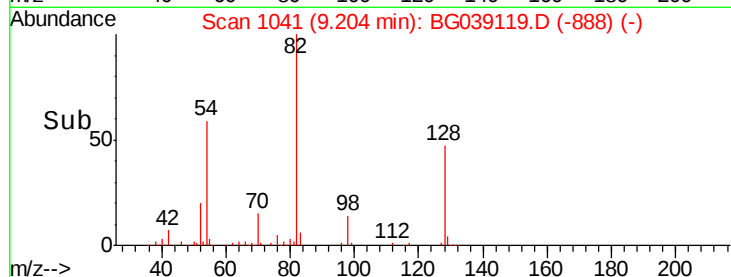
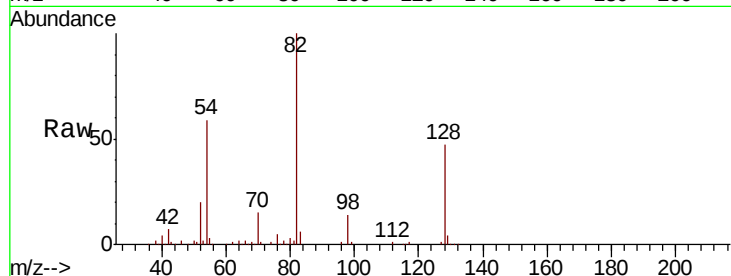




#19
n-Nitroso-di-n-propylamine
Concen: 19.518 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

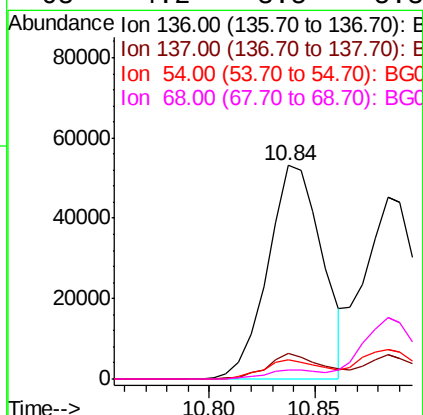
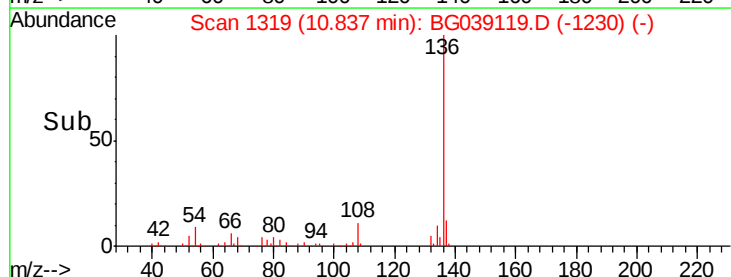
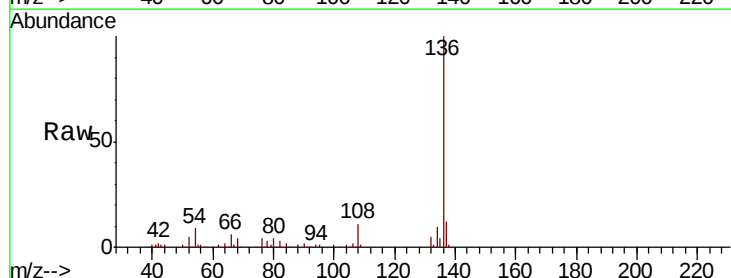
Instrument :
BNA_G
ClientSampleId :

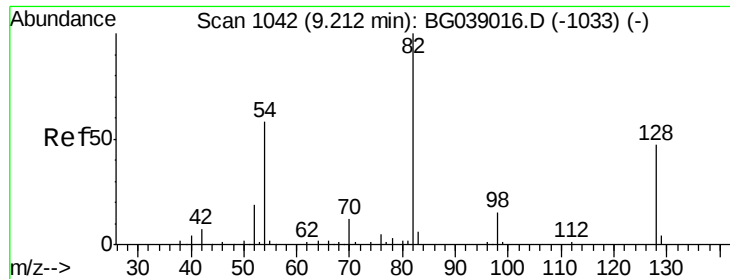
Tot Ion: 70 Resp: 18770
Ion Ratio Lower Upper
70 100
42 44.9 59.0 88.4#
101 0.0 10.4 15.6#
130 1.6 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion: 136 Resp: 95414
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.2
54 9.1 7.2 10.8
68 4.2 3.5 5.3

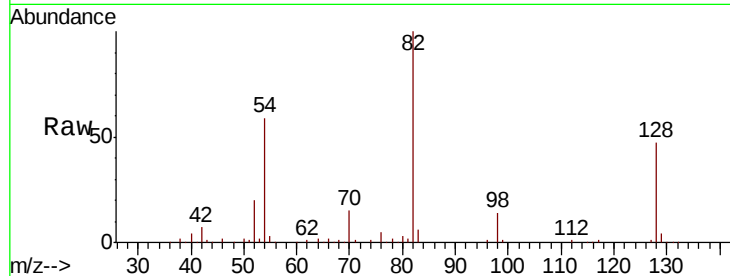




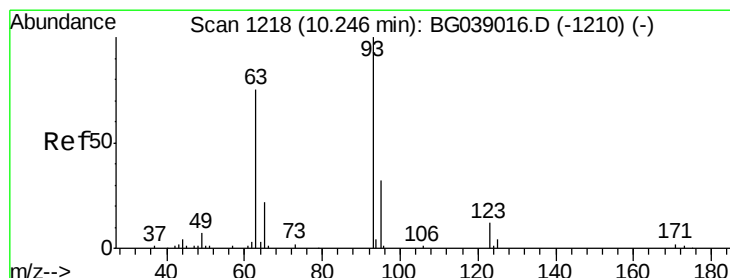
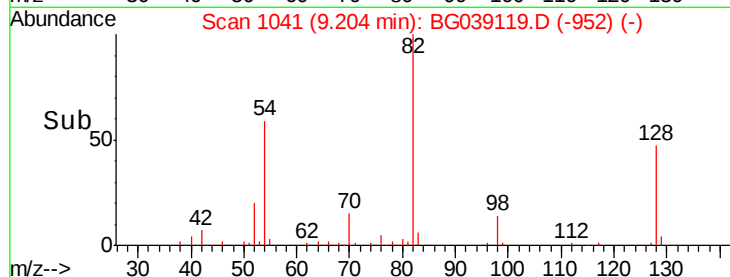
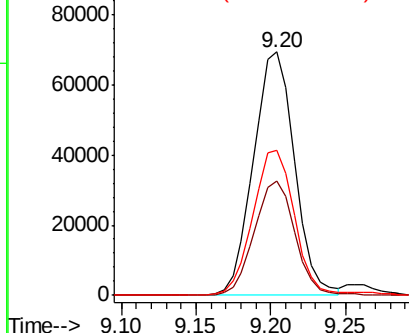
#23
Nitrobenzene-d5
Concen: 76.143 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 132770
Ion Ratio Lower Upper
82 100
128 46.8 37.3 55.9
54 59.4 46.4 69.6

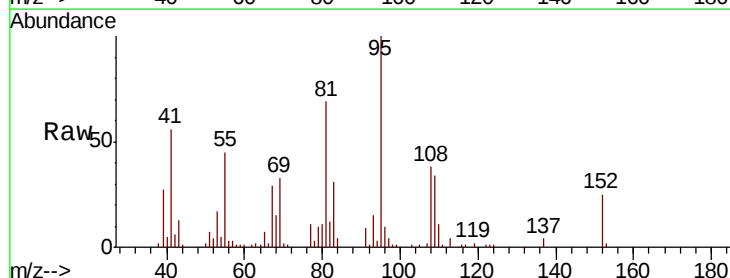


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

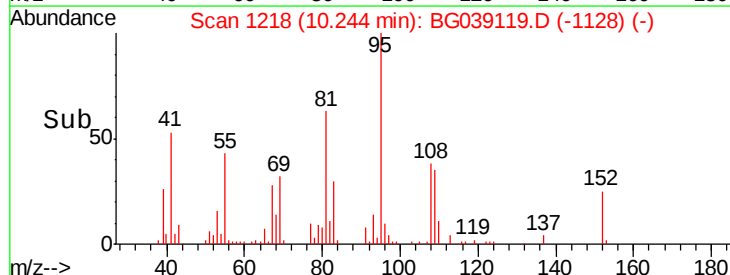
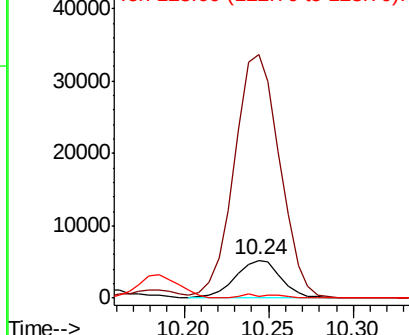


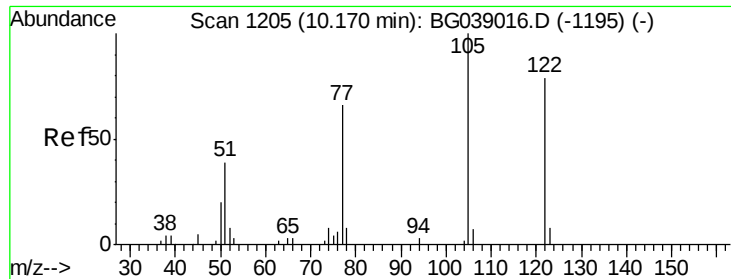
#28
bis(2-Chloroethoxy)methane
Concen: 5.351 ng
RT: 10.24 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion: 93 Resp: 9660
Ion Ratio Lower Upper
93 100
95 647.1 25.6 38.4#
123 6.0 10.1 15.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC

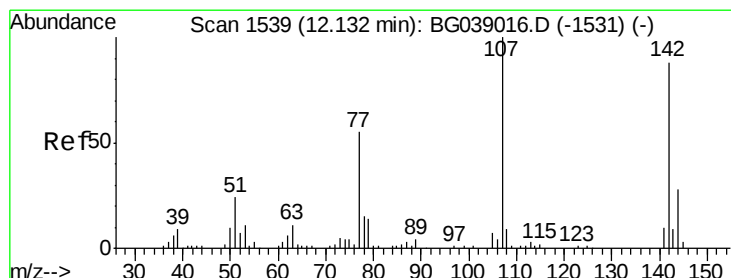
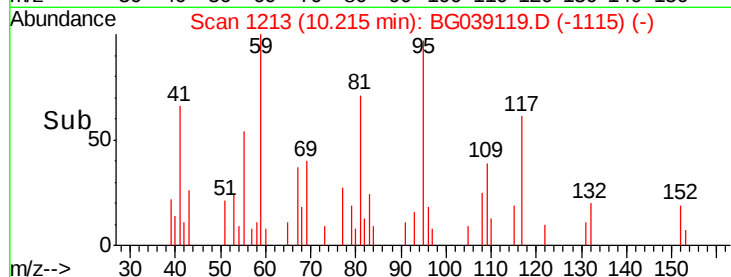
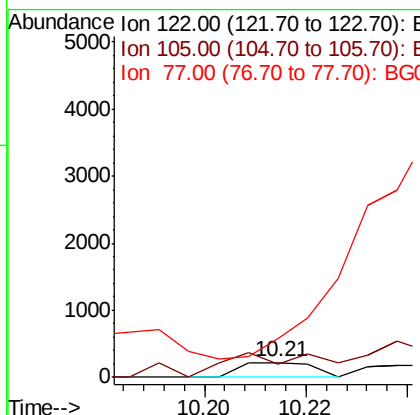
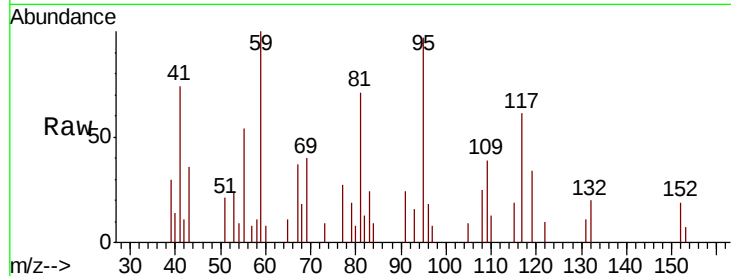




#32
Benzoic acid
Concen: 9.663 ng
RT: 10.21 min Scan# 1213
Delta R.T. 0.04 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

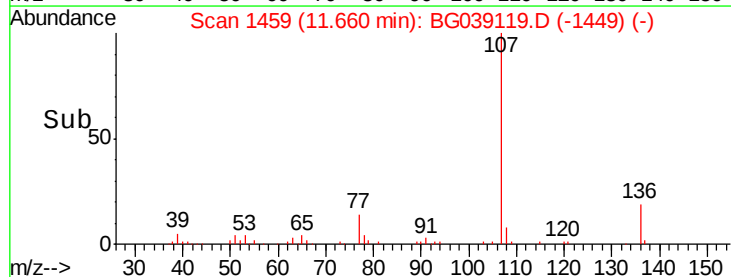
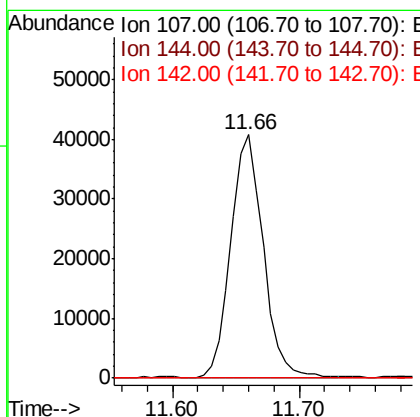
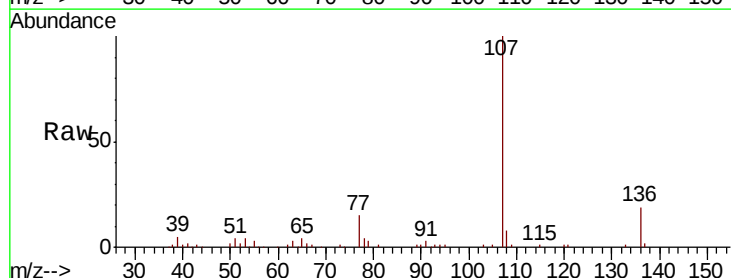
Instrument :
BNA_G
ClientSampled :

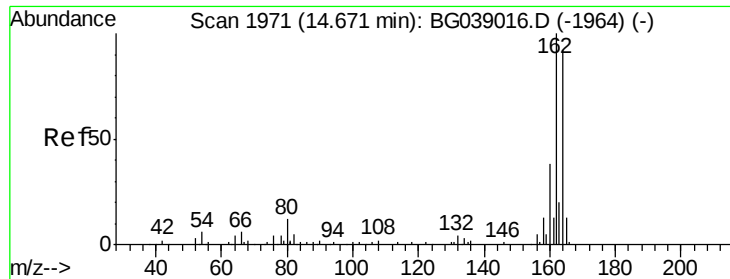
Tot Ion:122 Resp: 221
Ion Ratio Lower Upper
122 100
105 91.4 106.4 146.4#
77 266.1 63.6 103.6#



#36
4-Chloro-3-methylphenol
Concen: 40.662 ng
RT: 11.66 min Scan# 1459
Delta R.T. -0.47 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion:107 Resp: 72464
Ion Ratio Lower Upper
107 100
144 0.0 22.6 34.0#
142 0.0 70.2 105.4#

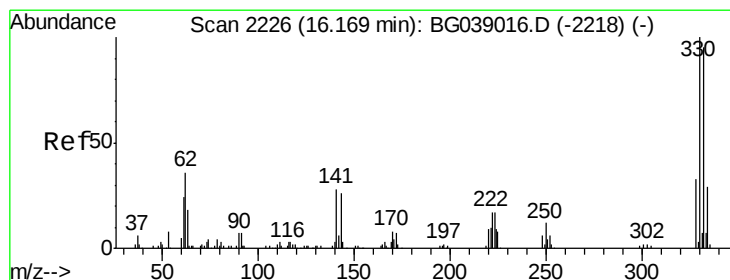
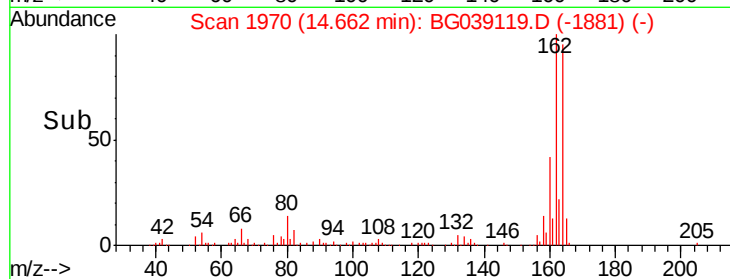
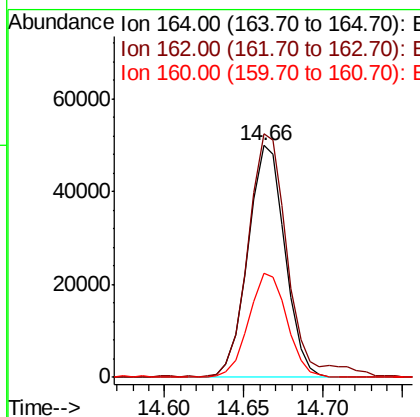
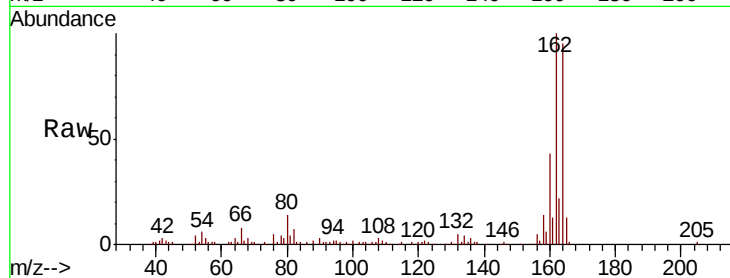




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

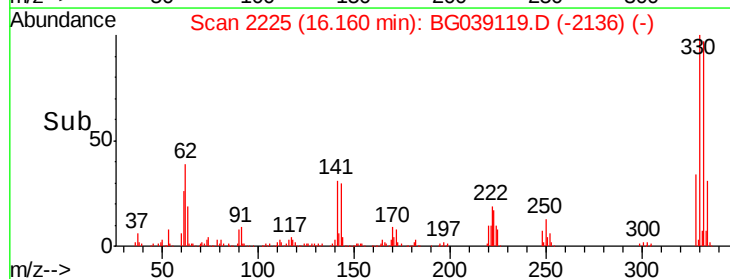
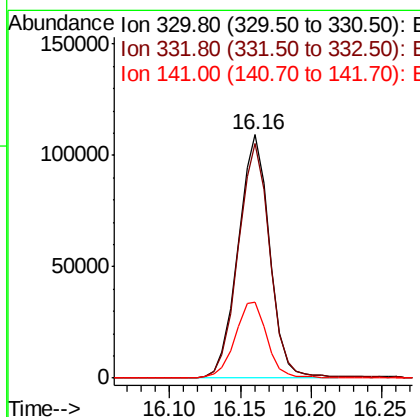
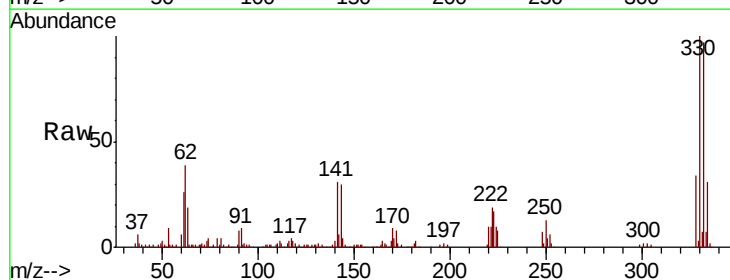
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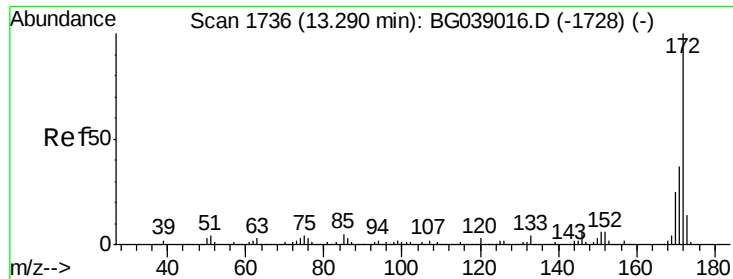
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	87.2	130.8
160	44.8	33.3	49.9



#42
2,4,6-Tribromophenol
Concen: 125.041 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	75.7	113.5
141	32.3	24.9	37.3

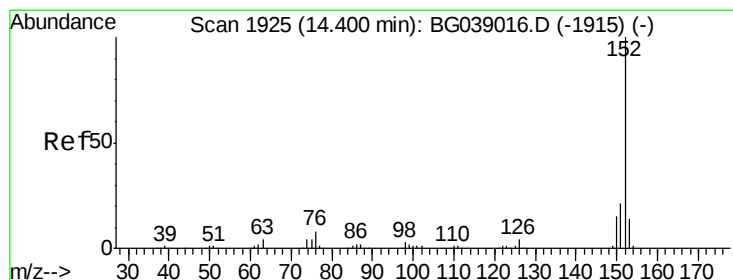
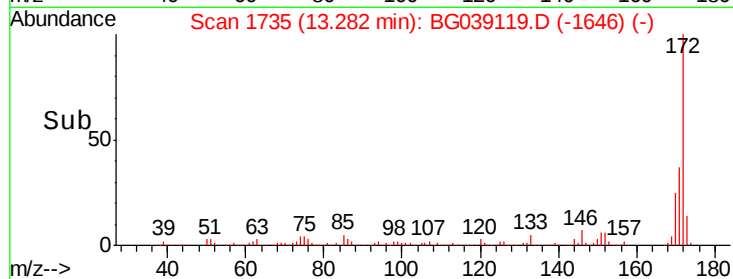
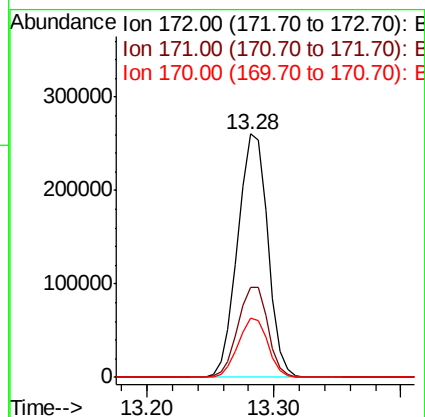
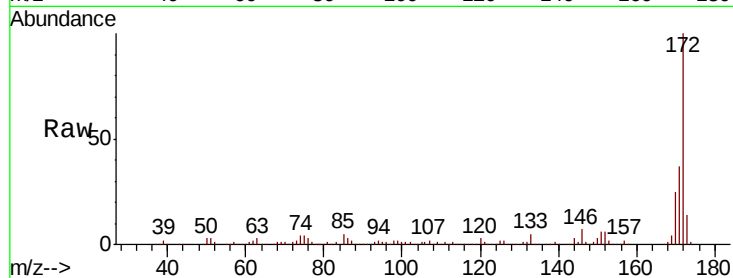




#45
2-Fluorobiphenyl
Concen: 72.271 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

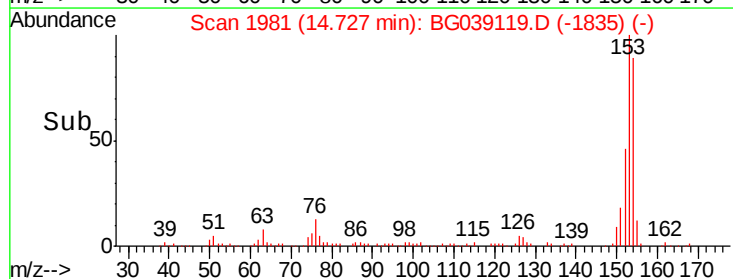
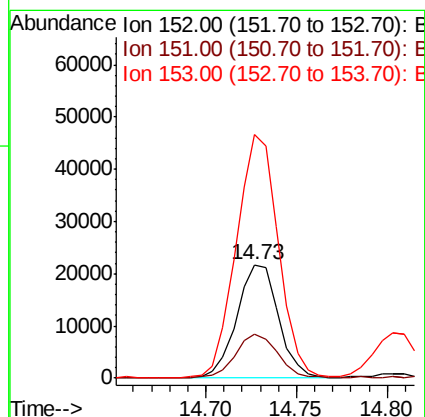
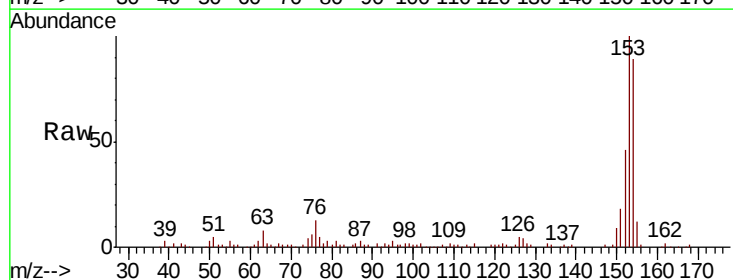
Instrument :
BNA_G
ClientSampleId :

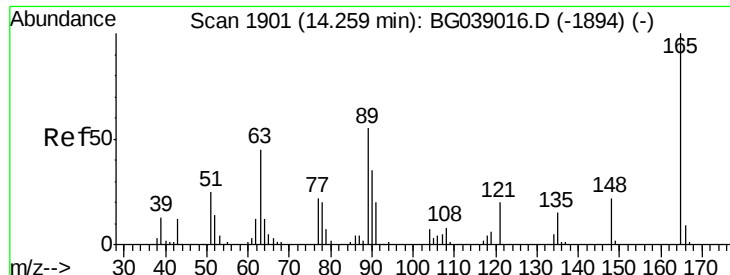
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.5	20.1	30.1



#49
Acenaphthylene
Concen: 4.445 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.33 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	38.6	17.0	25.4#
153	215.2	11.2	16.8#

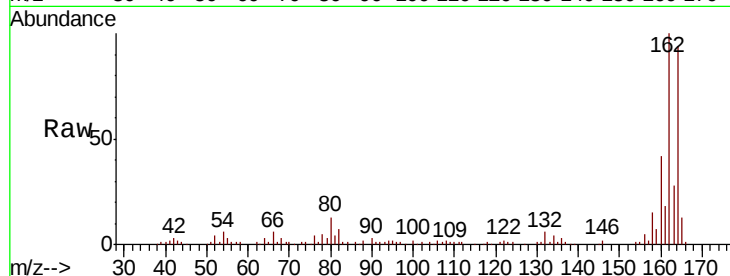




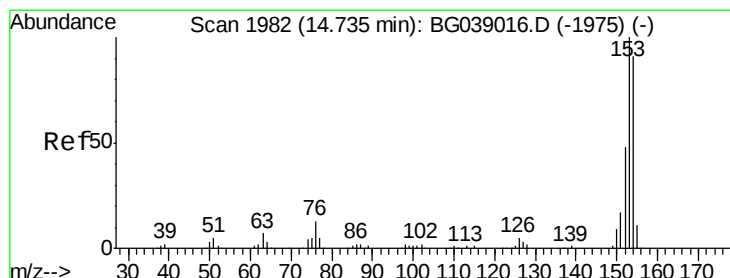
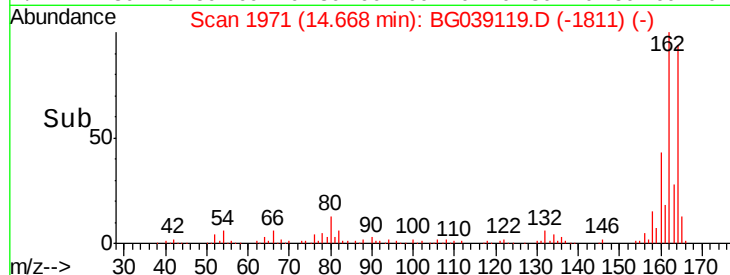
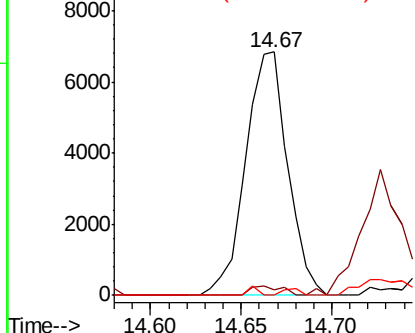
#51
 2,6-Dinitrotoluene
 Concen: 7.199 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039119.D
 Acq: 12 Jan 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 11036
 Ion Ratio Lower Upper
 165 100
 63 2.5 43.6 65.4#
 89 0.0 43.7 65.5#

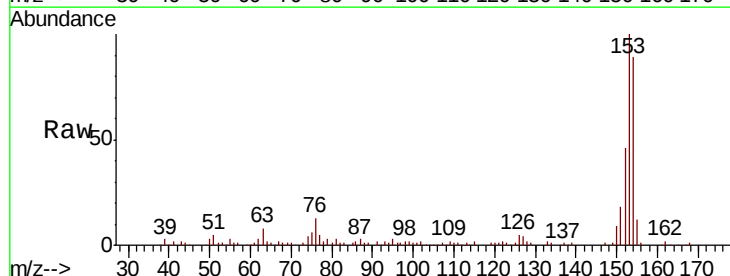


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

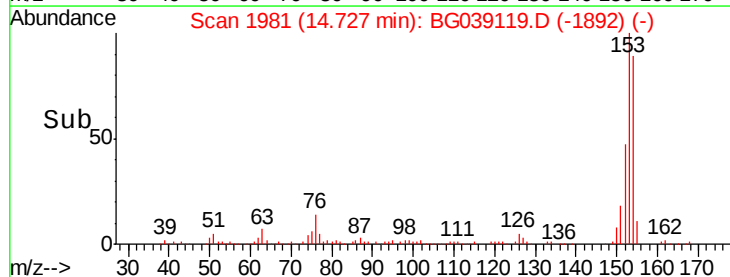
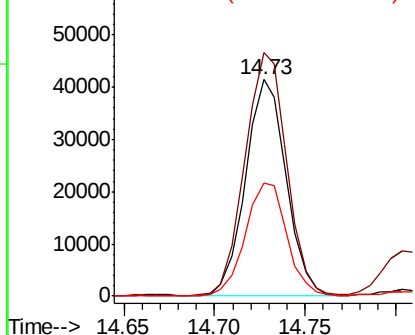


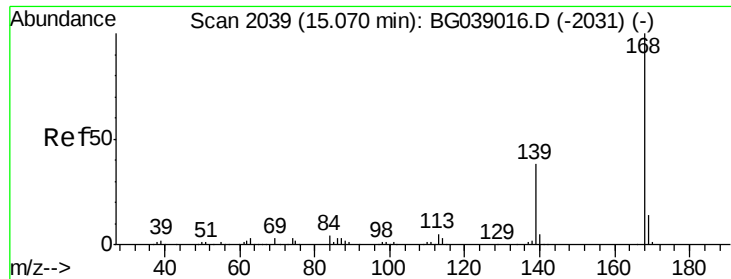
#52
 Acenaphthene
 Concen: 13.800 ng
 RT: 14.73 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: BG039119.D
 Acq: 12 Jan 2019 15:04

Tgt Ion:154 Resp: 64838
 Ion Ratio Lower Upper
 154 100
 153 112.4 87.9 131.9
 152 52.2 42.2 63.2



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 6.948 ng

RT: 15.06 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

Instrument :

BNA_G

ClientSampled :

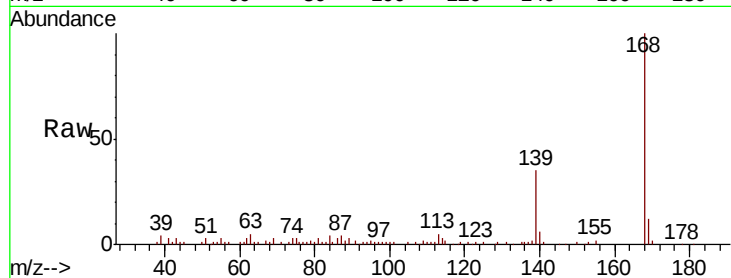
Tot Ion:168 Resp: 57654

Ion Ratio Lower Upper

168 100

139 35.4 30.1 45.1

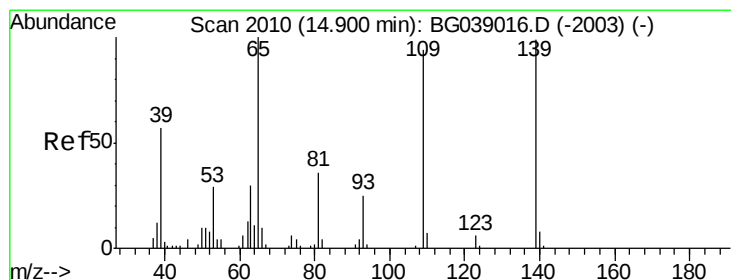
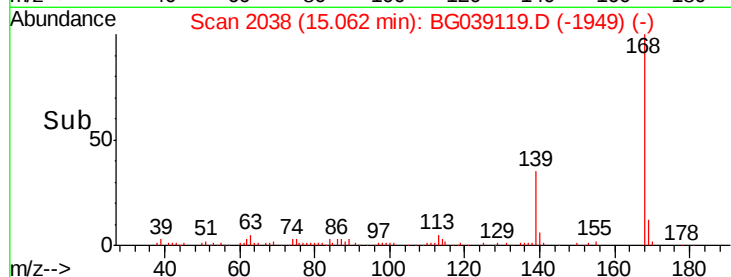
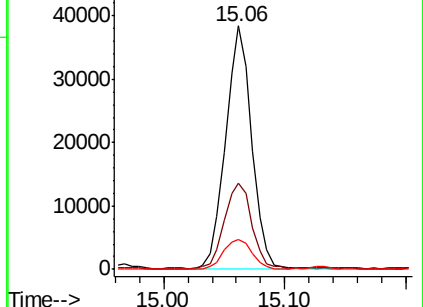
169 12.1 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 19.344 ng

RT: 15.06 min Scan# 2038

Delta R.T. 0.16 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

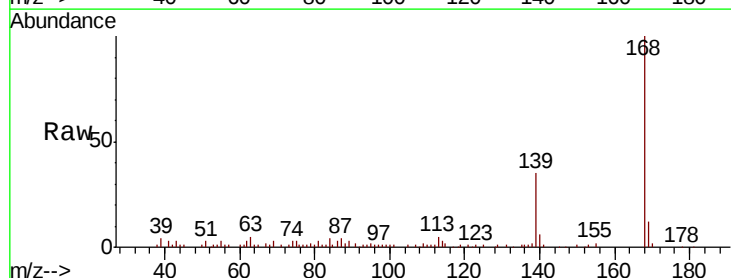
Tgt Ion:139 Resp: 21644

Ion Ratio Lower Upper

139 100

109 4.8 75.6 115.6#

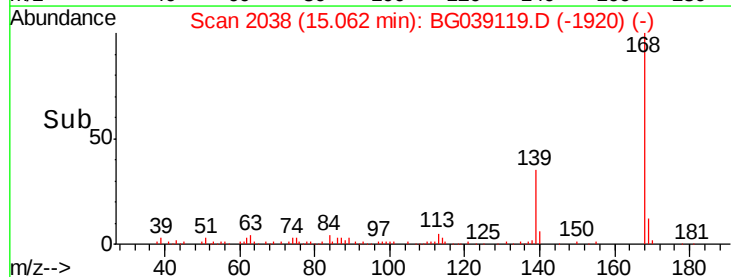
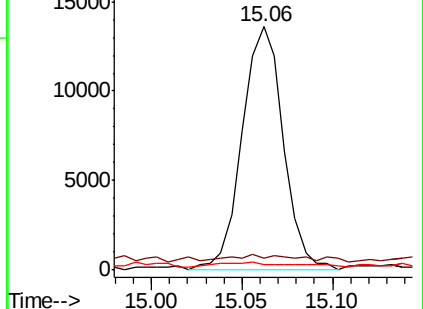
65 2.2 81.2 121.2#

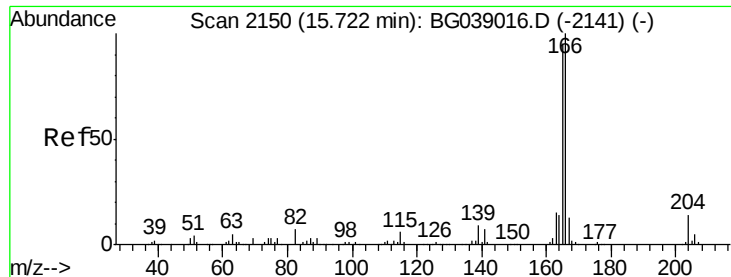


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#58

Fluorene

Concen: 11.226 ng

RT: 15.71 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

Instrument :

BNA_G

ClientSampleId :

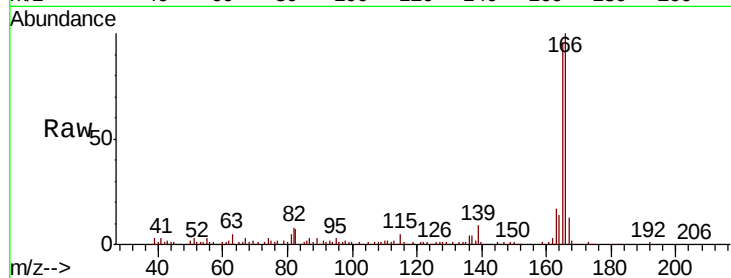
Tot Ion:166 Resp: 70119

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.2	114.2
167	13.3	10.6	16.0

166 100

165 96.5 76.2 114.2

167 13.3 10.6 16.0

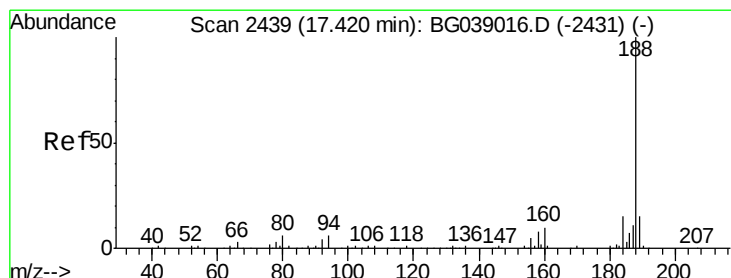
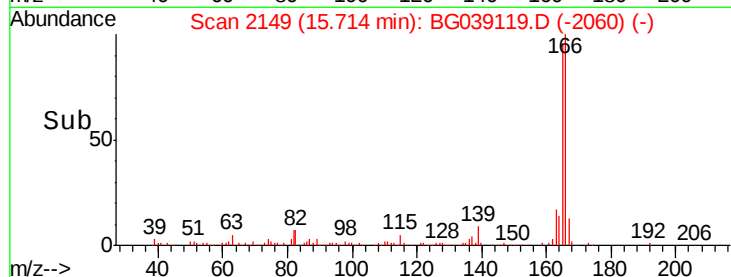
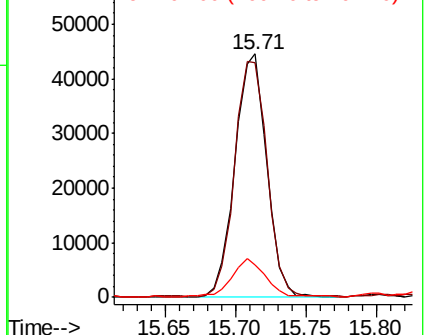


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

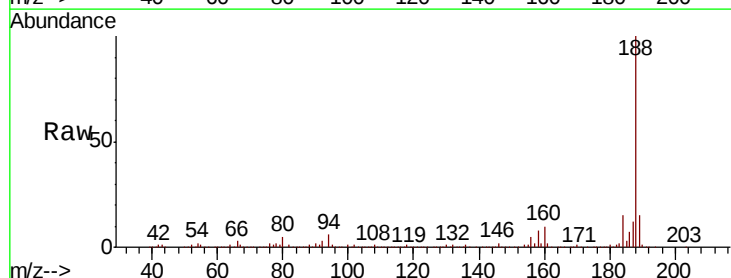
Tgt Ion:188 Resp: 219063

Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.0	7.4
80	5.5	4.7	7.1

188 100

94 5.8 5.0 7.4

80 5.5 4.7 7.1

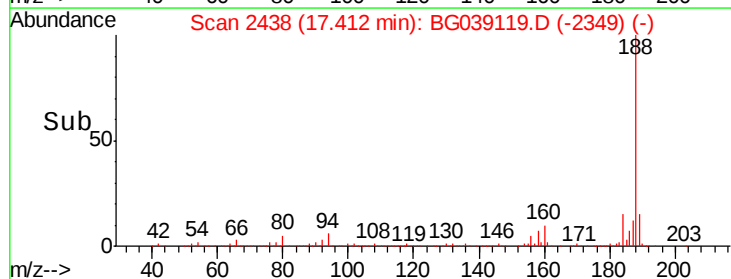
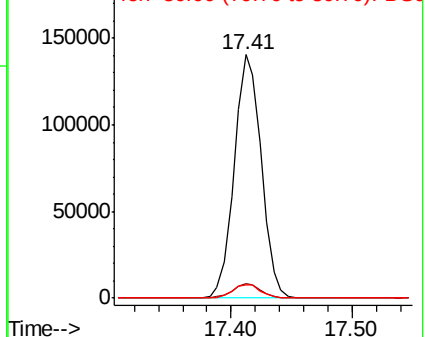


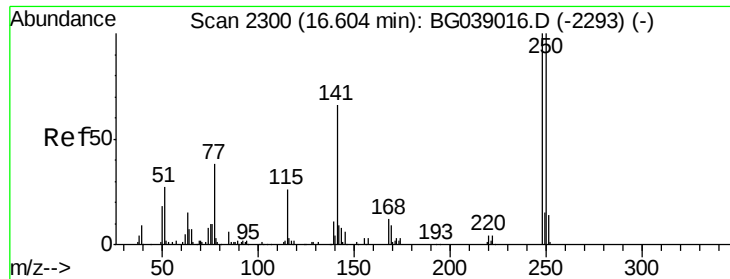
Abundance

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

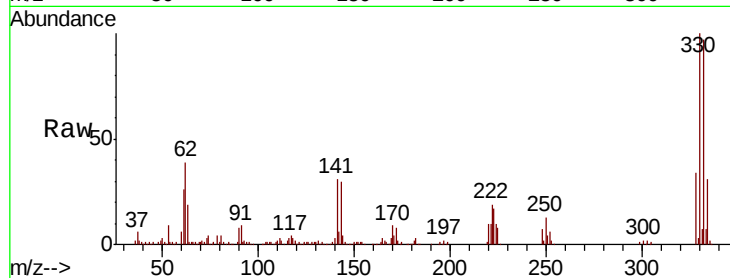




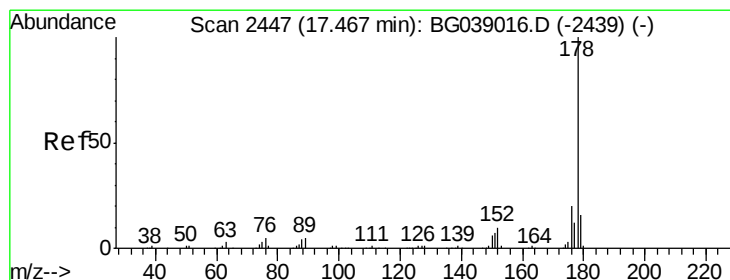
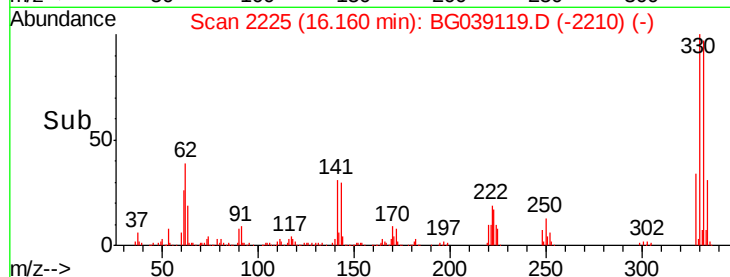
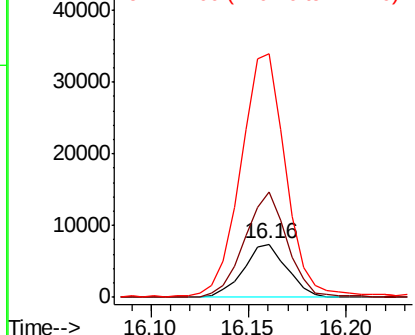
#67
 4-Bromophenyl-phenylether
 Concen: 4.081 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039119.D
 Acq: 12 Jan 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 11492
 Ion Ratio Lower Upper
 248 100
 250 198.0 79.9 119.9#
 141 342.3 52.7 79.1#

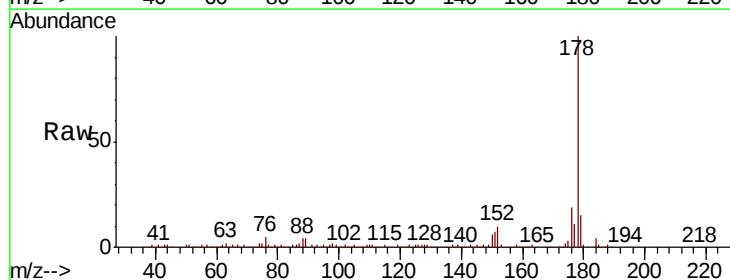


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

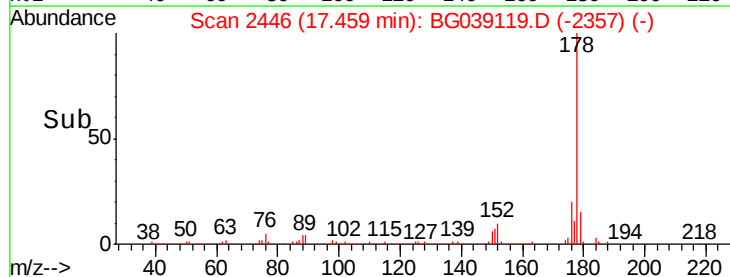
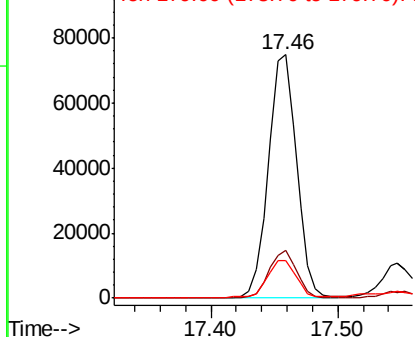


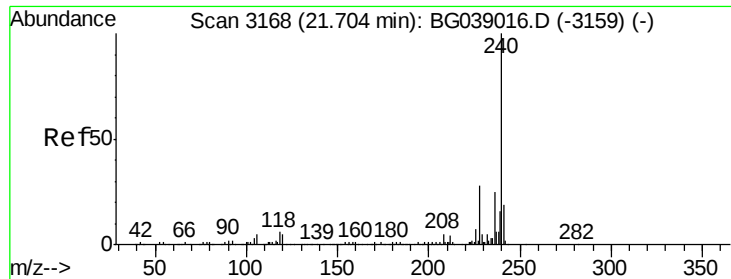
#71
 Phenanthrene
 Concen: 10.054 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG039119.D
 Acq: 12 Jan 2019 15:04

Tgt Ion:178 Resp: 116418
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.7 23.5
 179 15.2 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

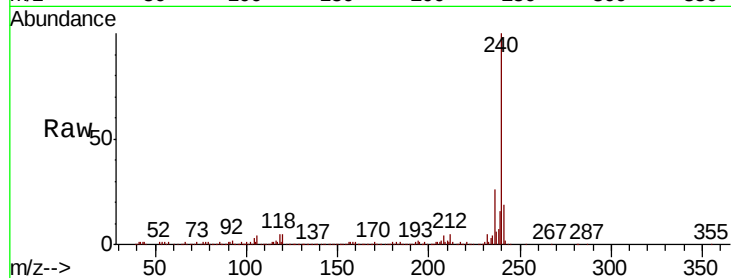




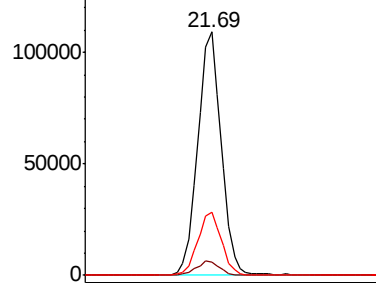
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

Instrument :
BNA_G
ClientSampled :

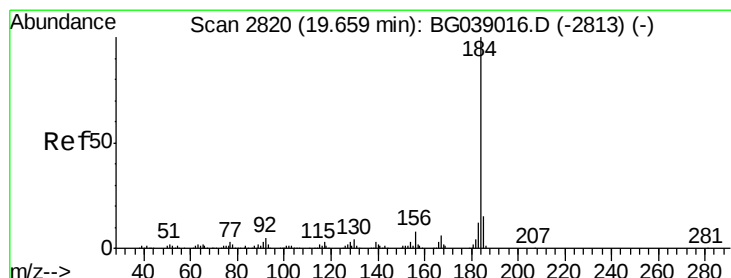
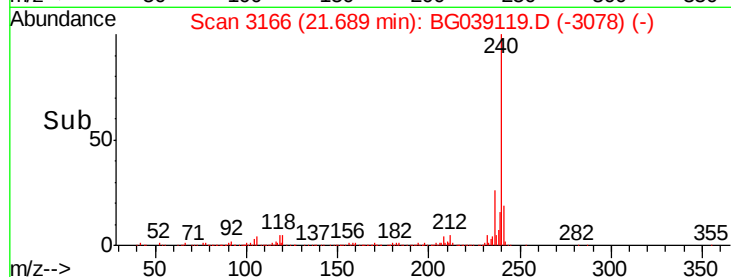
Tot Ion:240 Resp: 182206
Ion Ratio Lower Upper
240 100
120 5.3 4.3 6.5
236 26.0 20.1 30.1



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

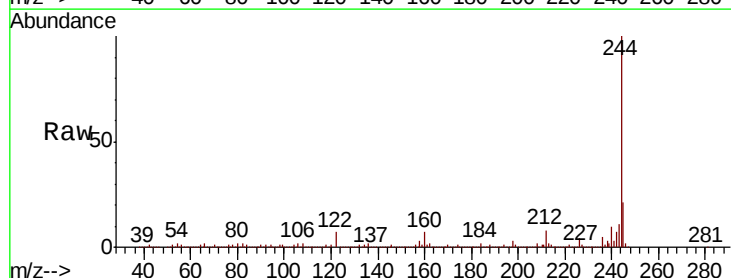


Time-->

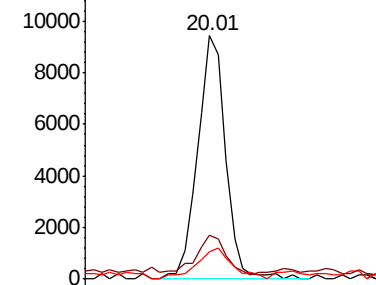


#77
Benzidine
Concen: 2.339 ng
RT: 20.01 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039119.D
Acq: 12 Jan 2019 15:04

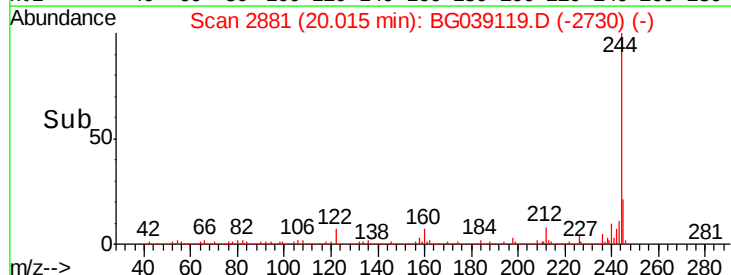
Tgt Ion:184 Resp: 13035
Ion Ratio Lower Upper
184 100
185 18.0 12.1 18.1
183 11.3 9.5 14.3

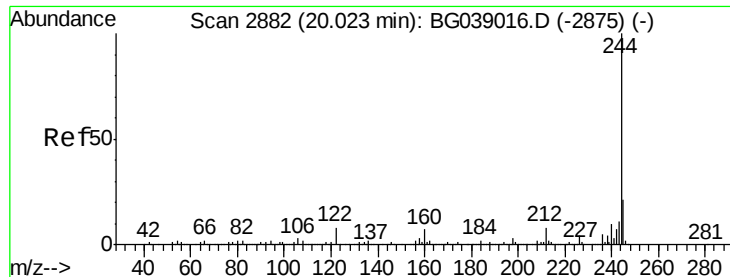


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 76.675 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

Instrument :

BNA_G

ClientSampleId :

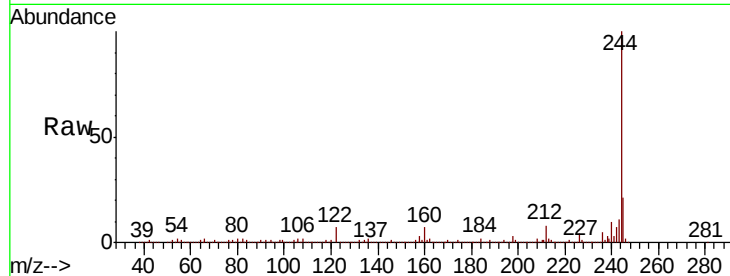
Tot Ion:244 Resp: 755215

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

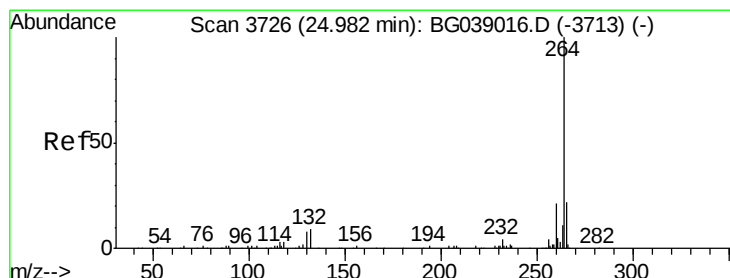
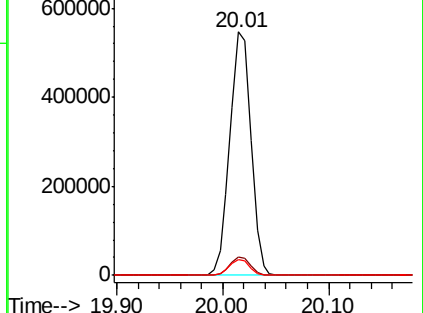
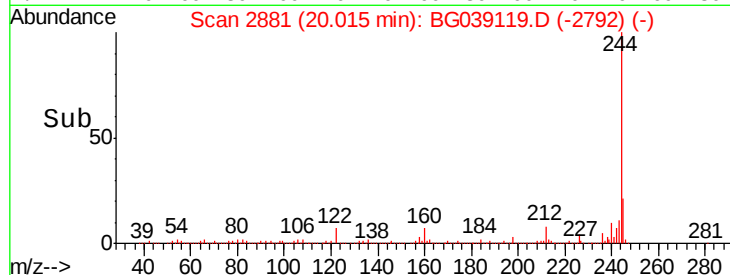
122 6.7 6.1 9.1



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: 24.96 min Scan# 3722

Delta R.T. -0.03 min

Lab File: BG039119.D

Acq: 12 Jan 2019 15:04

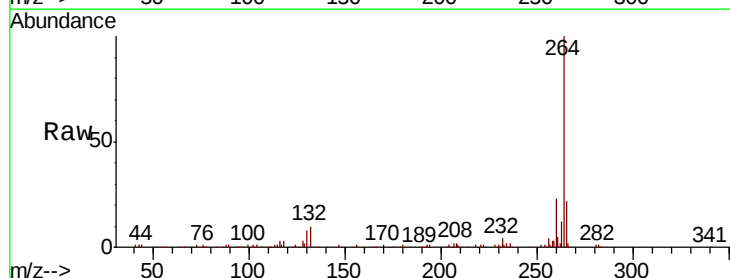
Tgt Ion:264 Resp: 199479

Ion Ratio Lower Upper

264 100

260 22.9 17.0 25.6

265 22.2 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

