

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011819\
 Data File : BG039216.D
 Acq On : 18 Jan 2019 15:16
 Operator : JU/SJ
 Sample : K1157-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-05-011519

Quant Time: Jan 18 16:20:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	21751	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	86639	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	51547	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	128394	20.00	ng	0.00
76) Chrysene-d12	21.67	240	129919	20.00	ng	-0.01
87) Perylene-d12	24.93	264	145888	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	101536	88.55	ng	0.00
7) Phenol-d6	7.17	99	142288	86.23	ng	0.00
23) Nitrobenzene-d5	9.19	82	93736	59.20	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	70344	81.41	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	209501	55.62	ng	0.00
79) Terphenyl-d14	20.00	244	318164	45.30	ng	0.00

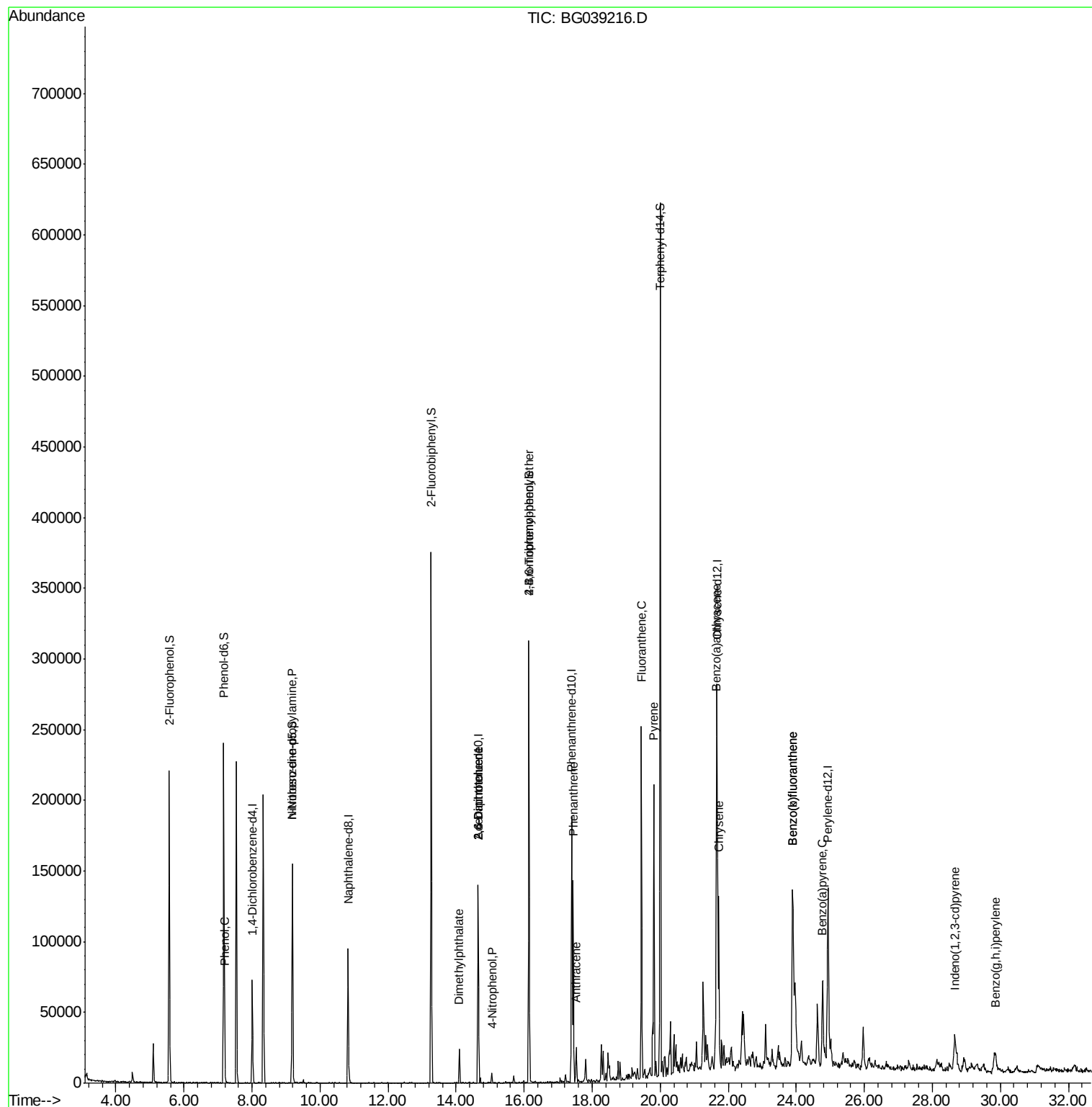
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.20	94	8754	5.291	ng	90
19) n-Nitroso-di-n-propylamine	9.19	70	12228	11.285	ng	# 65
50) Dimethylphthalate	14.10	163	18064	4.147	ng	# 95
51) 2,6-Dinitrotoluene	14.65	165	6711	6.891	ng	# 24
56) 4-Nitrophenol	15.04	139	1966	2.766	ng	# 1
57) 2,4-Dinitrotoluene	14.65	165	6711	4.803	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	4396	2.664	ng	# 1
71) Phenanthrene	17.44	178	98452	14.507	ng	97
72) Anthracene	17.53	178	19721	2.939	ng	99
75) Fluoranthene	19.45	202	169950	20.201	ng	97
78) Pyrene	19.81	202	145038	17.518	ng	99
81) Benzo(a)anthracene	21.65	228	101767	12.868	ng	98
83) Chrysene	21.72	228	88948	11.825	ng	96
86) Indeno(1,2,3-cd)pyrene	28.66	276	41393	4.605	ng	96
88) Benzo(b)fluoranthene	23.89	252	128072	15.921	ng	# 97
89) Benzo(k)fluoranthene	23.89	252	128072	16.103	ng	# 95
90) Benzo(a)pyrene	24.77	252	77957	10.026	ng	98
92) Benzo(g,h,i)perylene	29.86	276	38054	4.970	ng	# 96

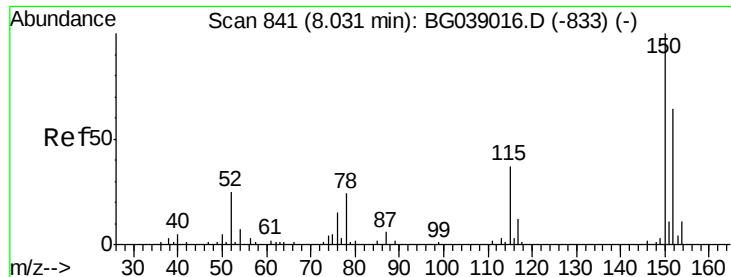
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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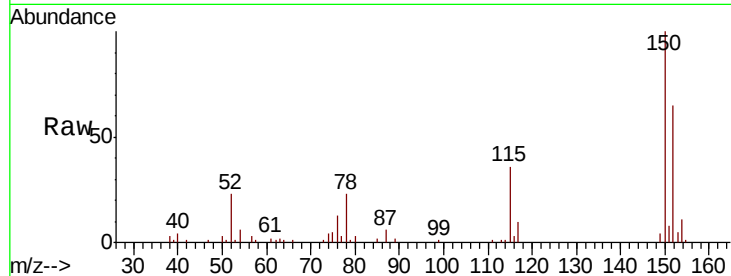


#1

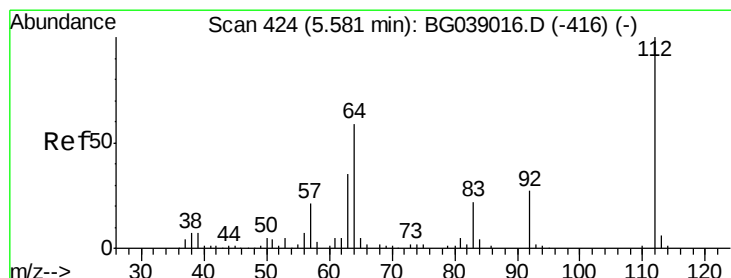
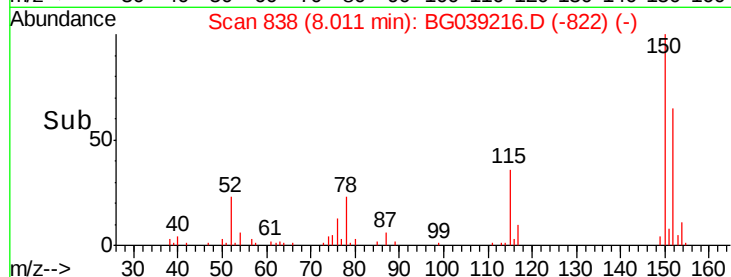
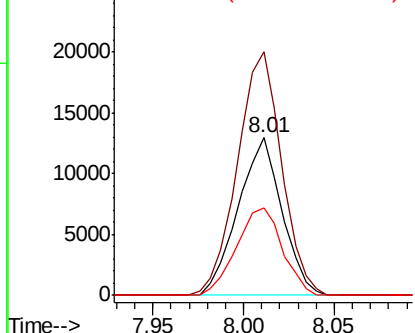
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Instrument :
BNA_G
ClientSampleId :
WC-05-011519

Tot Ion:152 Resp: 21751
Ion Ratio Lower Upper
152 100
150 154.8 124.7 187.1
115 55.8 46.5 69.7



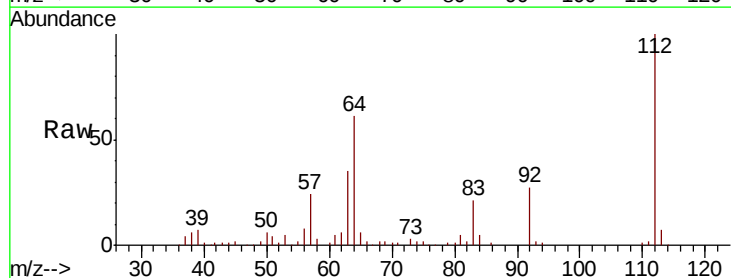
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



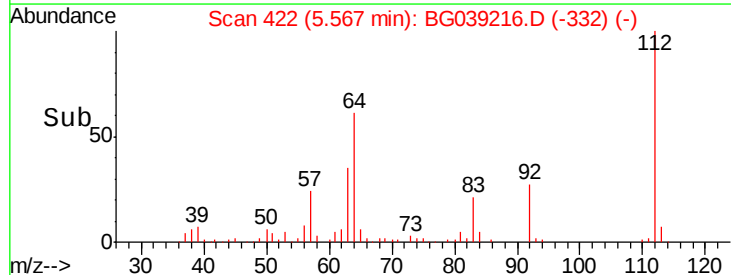
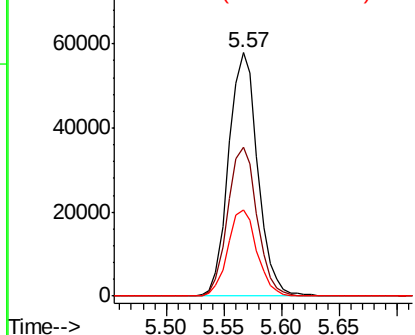
#5

2-Fluorophenol
Concen: 88.553 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:112 Resp: 101536
Ion Ratio Lower Upper
112 100
64 61.2 47.0 70.6
63 35.3 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: 86.229 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

Instrument :

BNA_G

ClientSampleId :

WC-05-011519

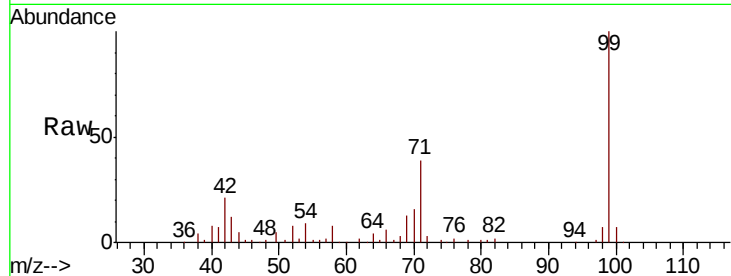
Tot Ion: 99 Resp: 142288

Ion Ratio Lower Upper

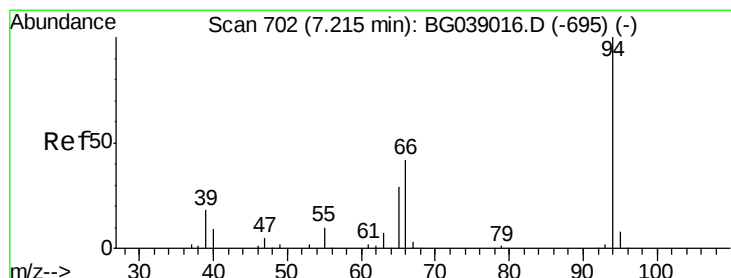
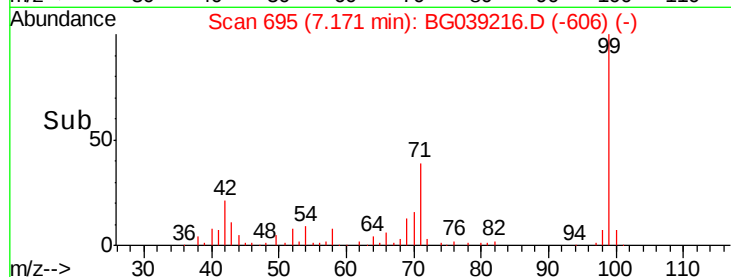
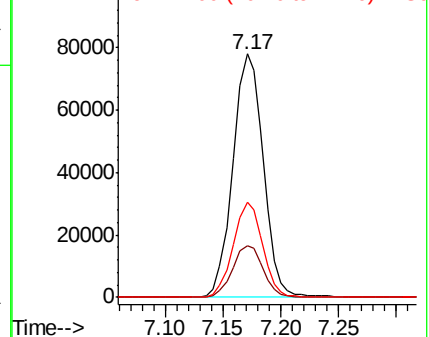
99 100

42 21.2 15.8 23.6

71 38.8 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: 5.291 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

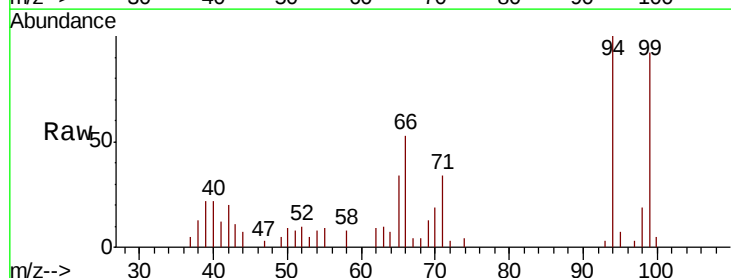
Tgt Ion: 94 Resp: 8754

Ion Ratio Lower Upper

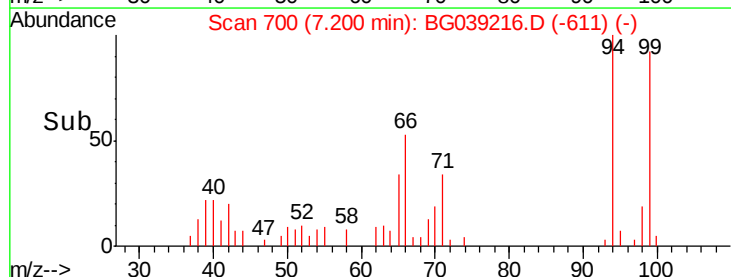
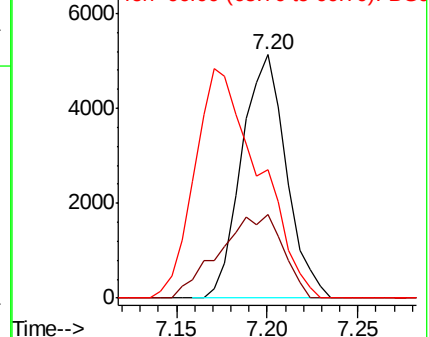
94 100

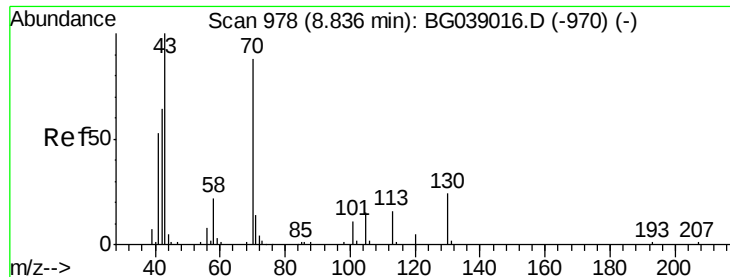
65 34.2 10.3 50.3

66 52.6 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

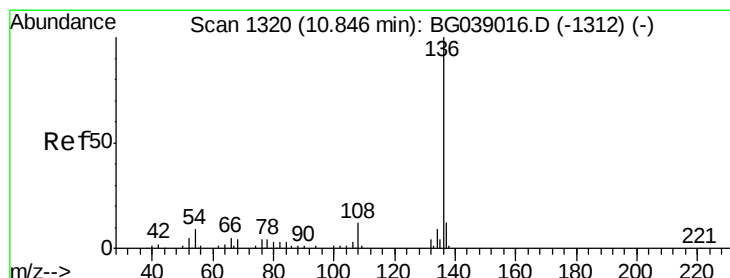
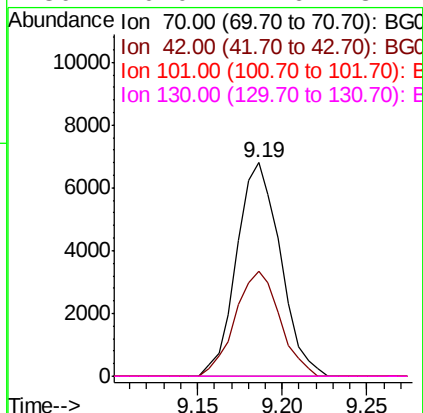
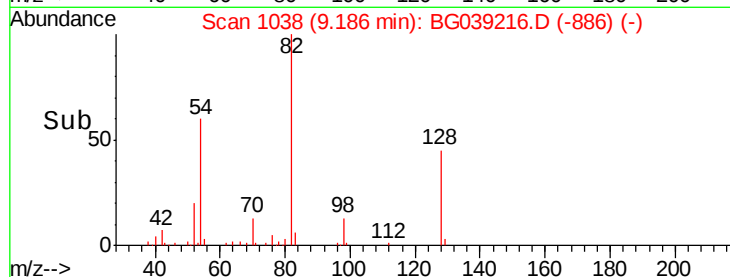
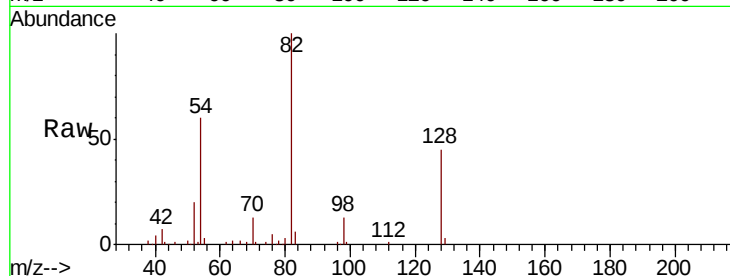




#19
n-Nitroso-di-n-propylamine
Concen: 11.285 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.37 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

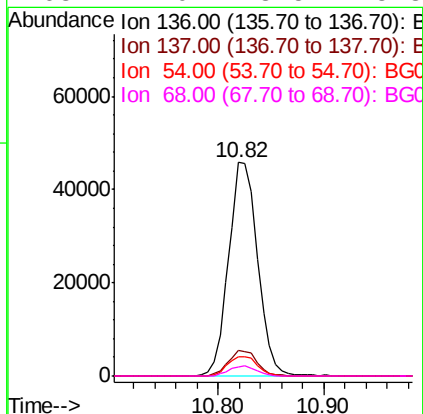
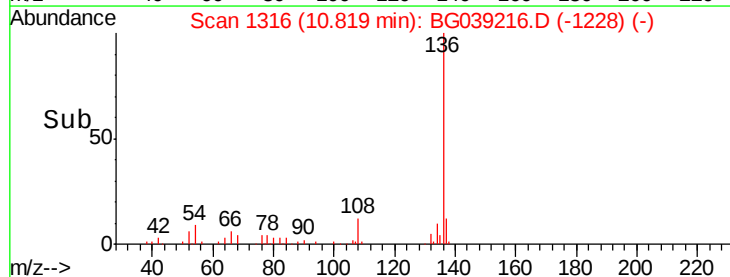
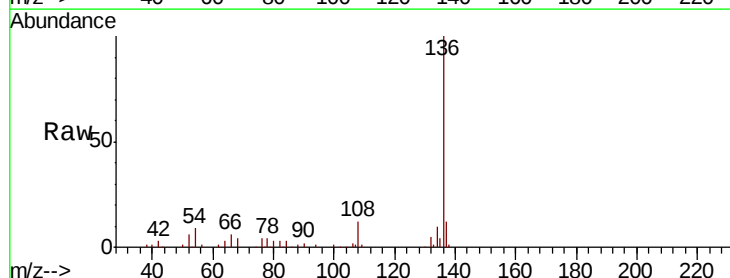
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WC-05-011519

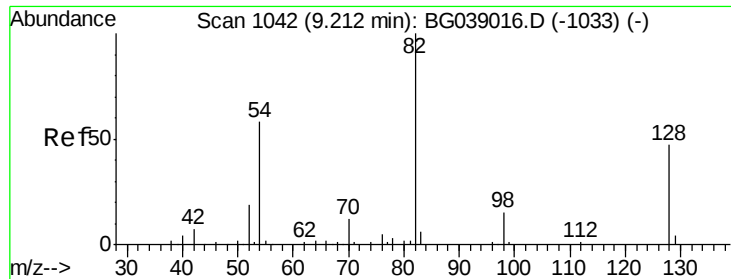
Tot Ion: 70 Resp: 12228
Ion Ratio Lower Upper
70 100
42 49.3 59.0 88.4#
101 0.0 10.4 15.6#
130 0.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:136 Resp: 86639
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 9.0 7.2 10.8
68 4.0 3.5 5.3

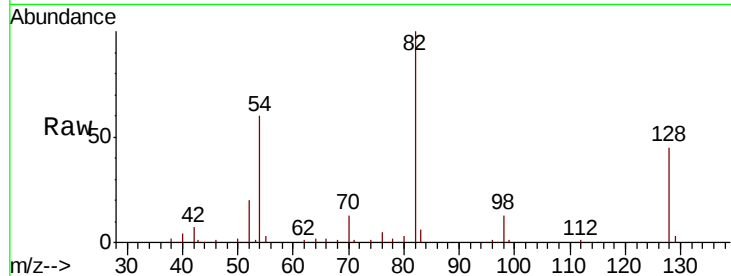




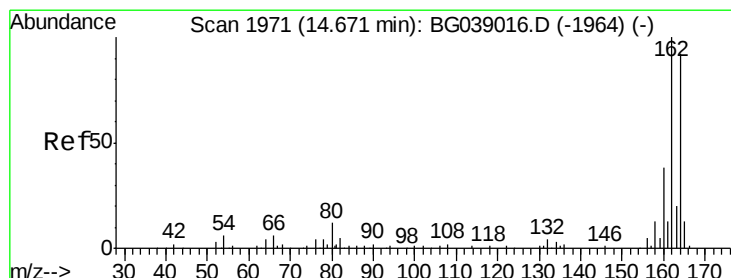
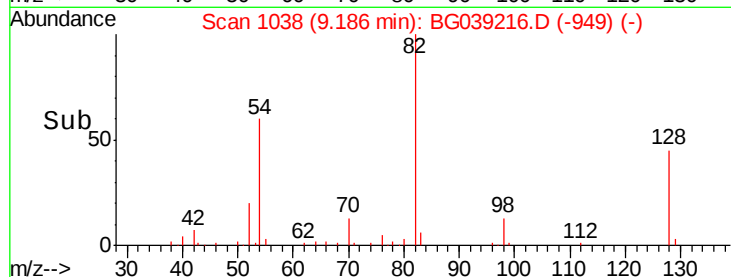
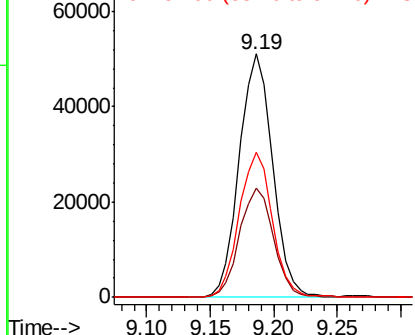
#23
 Nitrobenzene-d5
 Concen: 59.202 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Instrument :
 BNA_G
 ClientSampleId :
 WC-05-011519

Tot Ion: 82 Resp: 93736
 Ion Ratio Lower Upper
 82 100
 128 45.0 37.3 55.9
 54 59.5 46.4 69.6

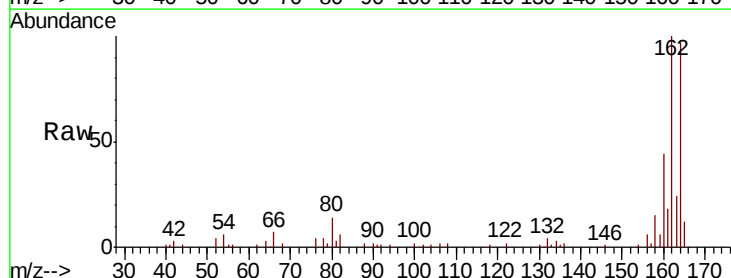


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

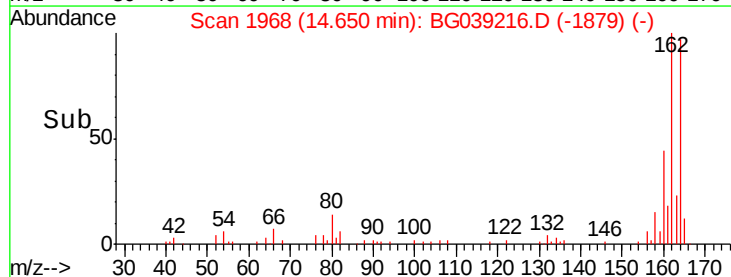
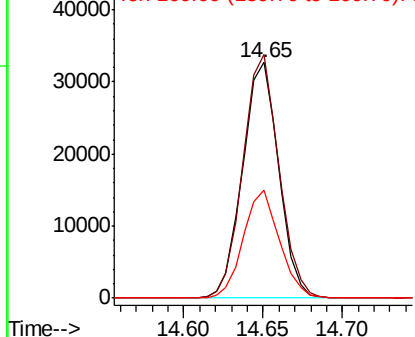


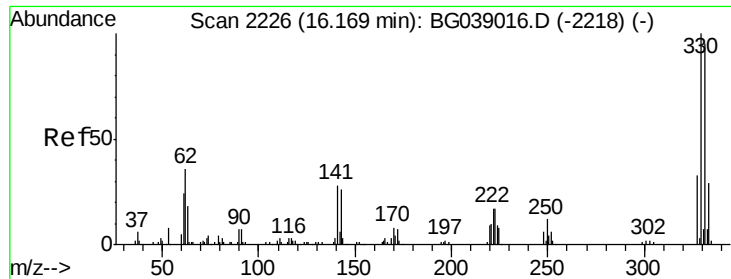
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Tgt Ion: 164 Resp: 51547
 Ion Ratio Lower Upper
 164 100
 162 103.5 87.2 130.8
 160 45.8 33.3 49.9



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

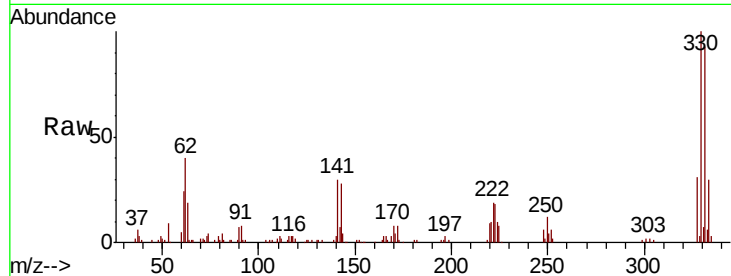




#42
 2,4,6-Tribromophenol
 Concen: 81.410 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Instrument :
 BNA_G
 ClientSampleId :
 WC-05-011519

Tot Ion	330	332	141
Resp:	70344		
Ion Ratio	100	95.5	31.5
Lower		75.7	24.9
Upper		113.5	37.3

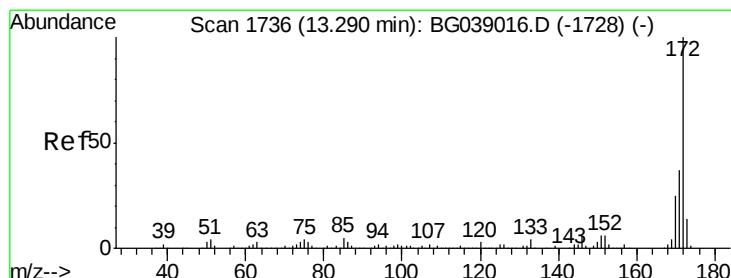
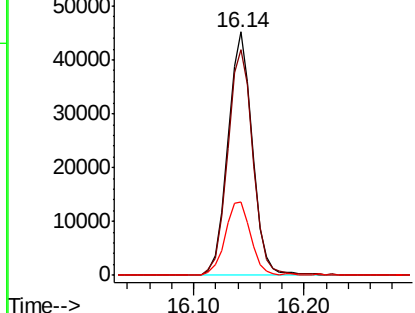
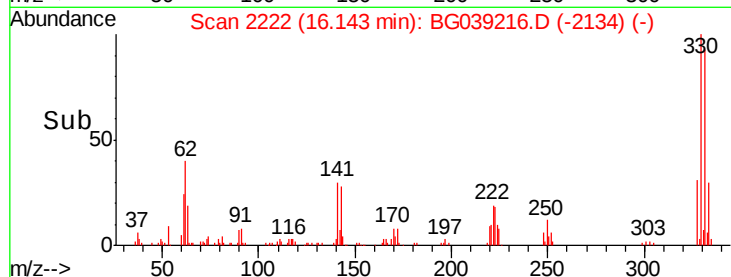


Abundance

Ion 329.80 (329.50 to 330.50): E

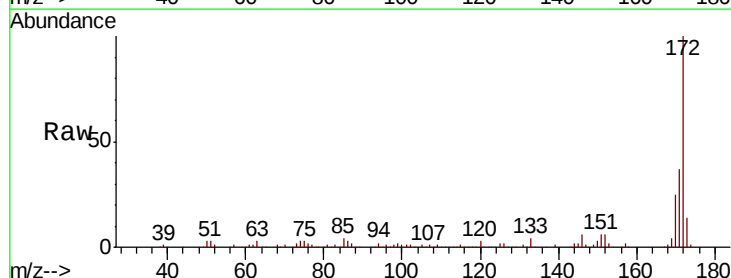
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 55.622 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Tgt Ion	172	171	170
Resp:	209501		
Ion Ratio	100	36.6	24.6
Lower		29.4	20.1
Upper		44.0	30.1

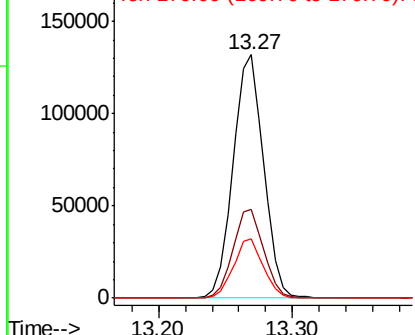
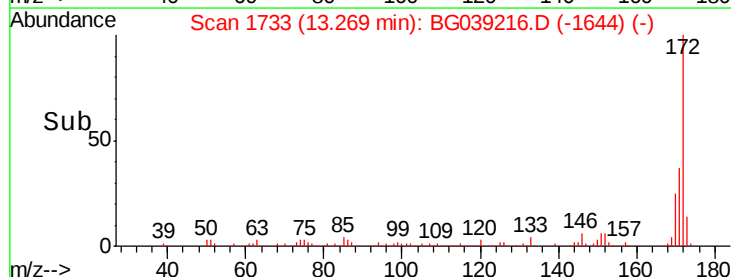


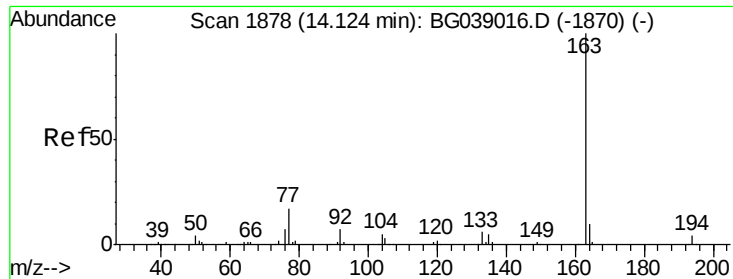
Abundance

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

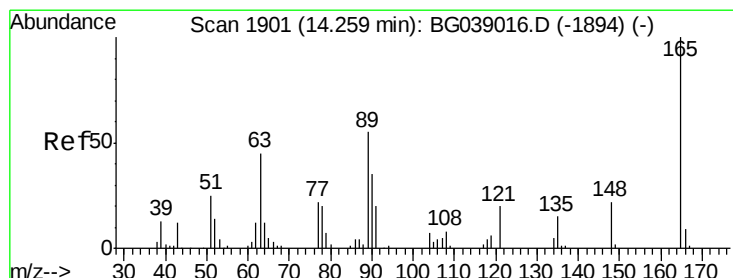
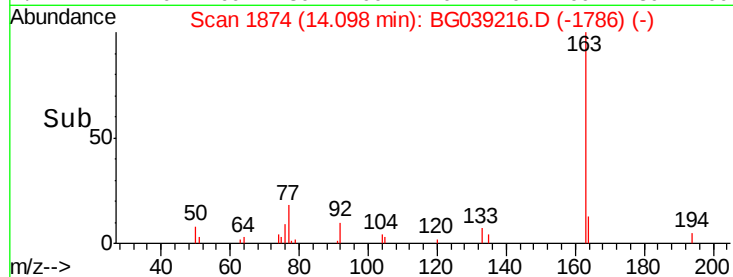
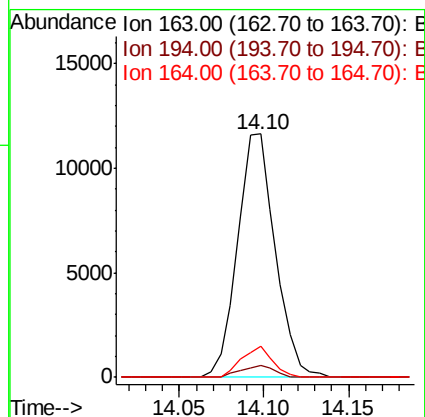
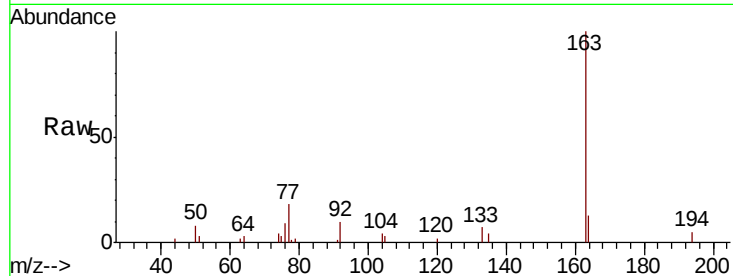




#50
Dimethylphthalate
Concen: 4.147 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

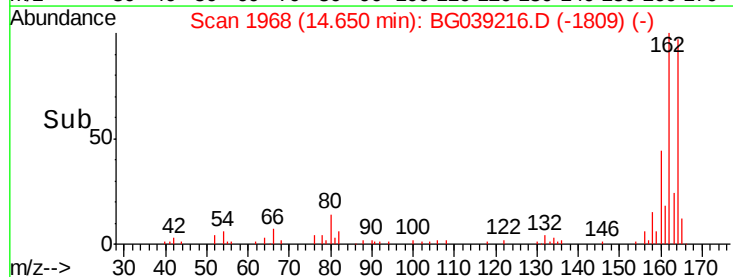
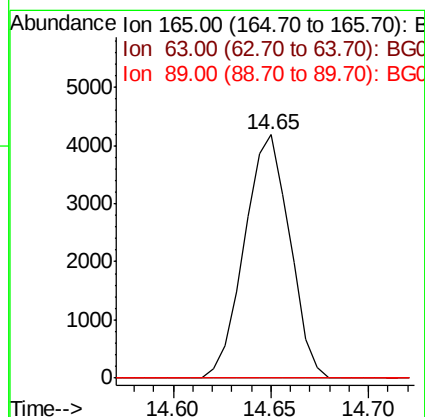
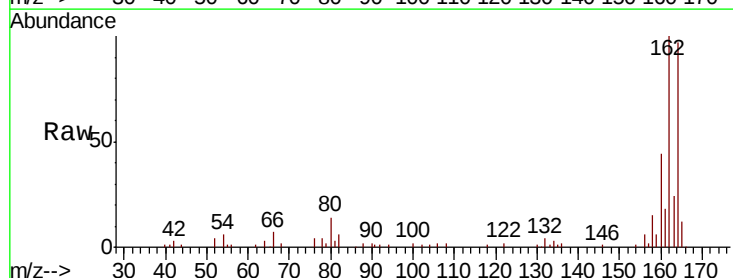
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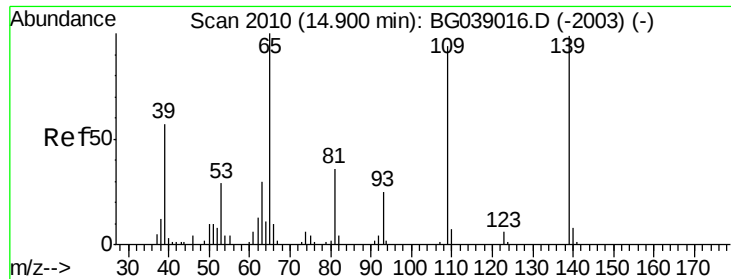
Tot Ion:163 Resp: 18064
Ion Ratio Lower Upper
163 100
194 4.9 3.6 5.4
164 12.6 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.891 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.41 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:165 Resp: 6711
Ion Ratio Lower Upper
165 100
63 0.0 43.6 65.4#
89 0.0 43.7 65.5#

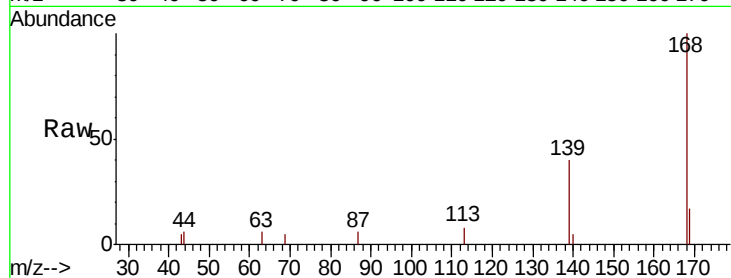




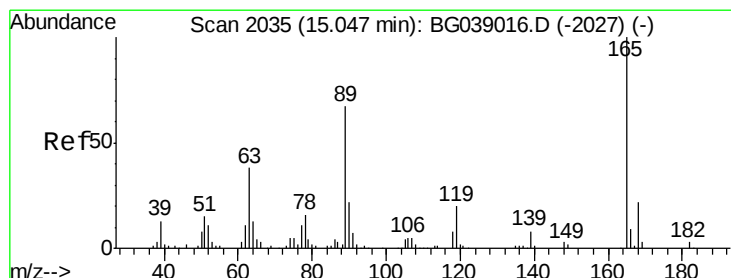
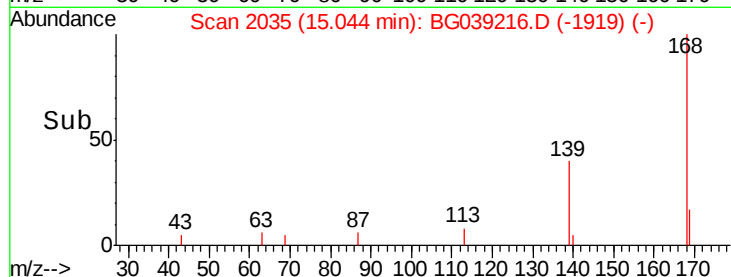
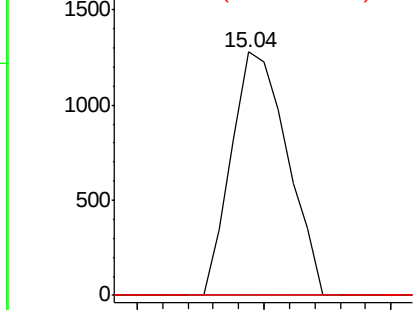
#56
4-Nitrophenol
Concen: 2.766 ng
RT: 15.04 min Scan# 2035
Delta R.T. 0.15 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Instrument :
BNA_G
ClientSampleId :
WC-05-011519

Tot Ion:139 Resp: 1966
Ion Ratio Lower Upper
139 100
109 0.0 75.6 115.6#
65 0.0 81.2 121.2#

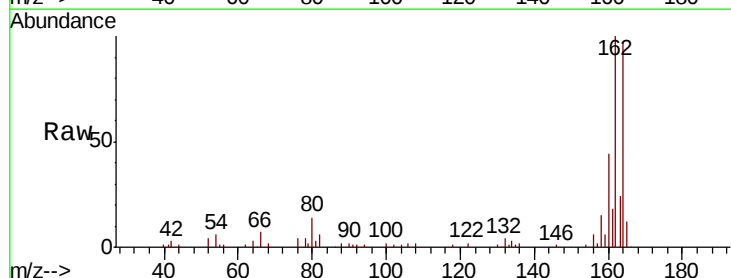


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

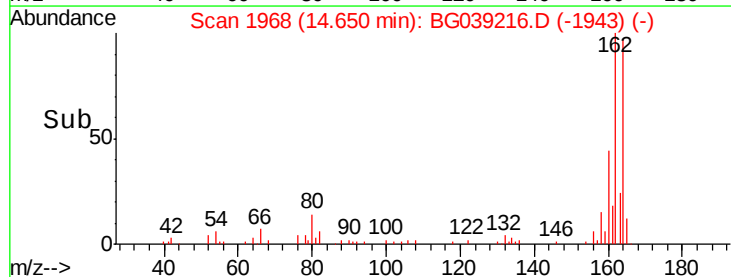
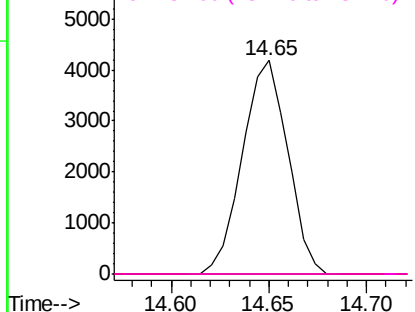


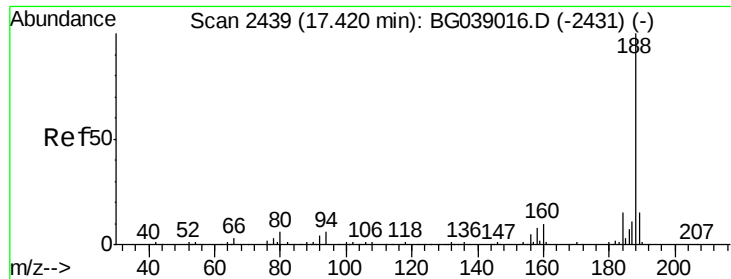
#57
2,4-Dinitrotoluene
Concen: 4.803 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.38 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:165 Resp: 6711
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

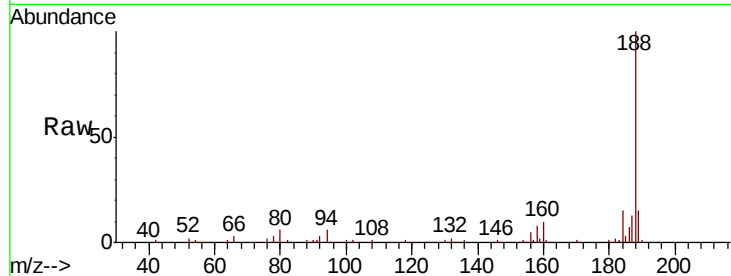




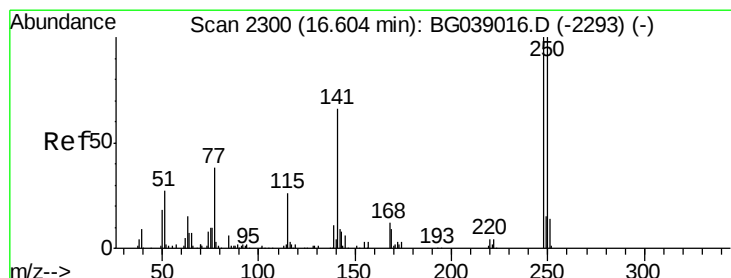
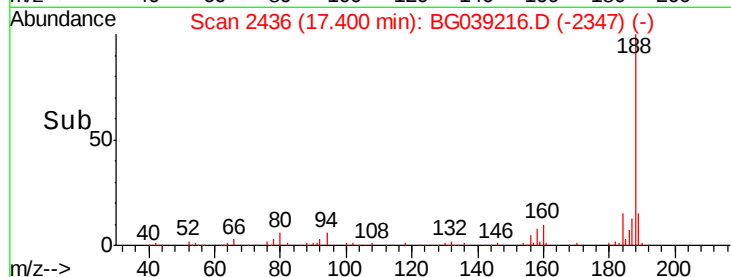
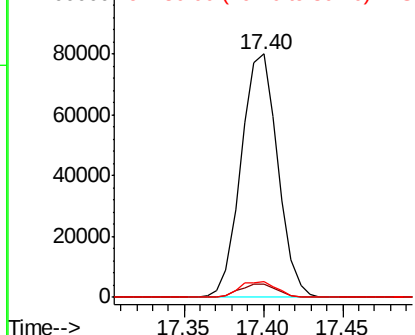
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Instrument :
 BNA_G
 ClientSampleId :
 WC-05-011519

Tot Ion:188 Resp: 128394
 Ion Ratio Lower Upper
 188 100
 94 5.5 5.0 7.4
 80 6.4 4.7 7.1

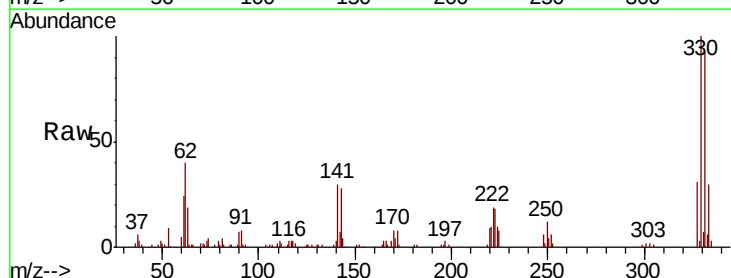


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

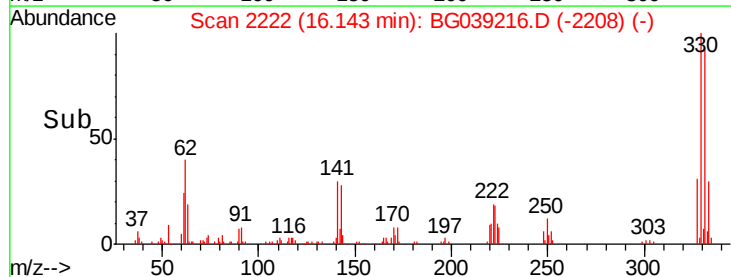
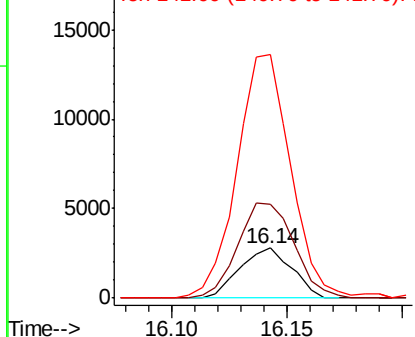


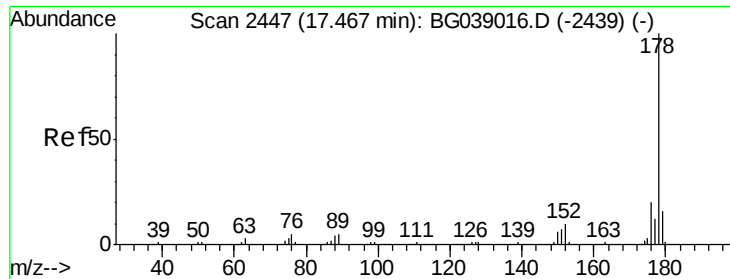
#67
 4-Bromophenyl-phenylether
 Concen: 2.664 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039216.D
 Acq: 18 Jan 2019 15:16

Tgt Ion:248 Resp: 4396
 Ion Ratio Lower Upper
 248 100
 250 185.2 79.9 119.9#
 141 359.9 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

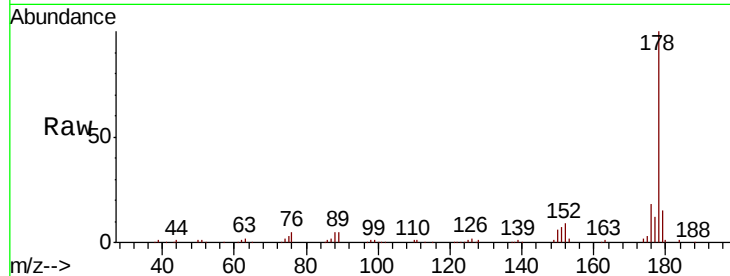




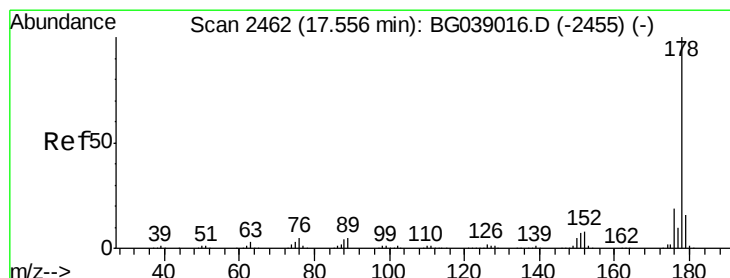
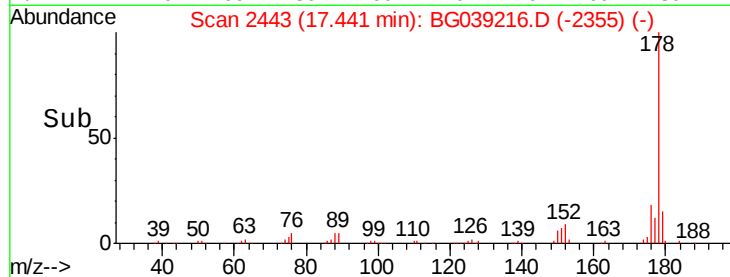
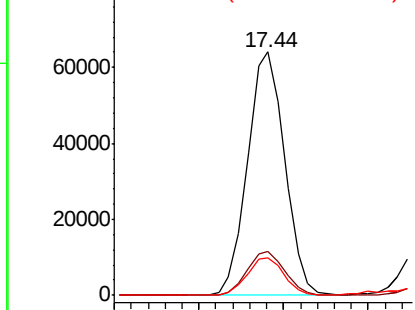
#71
Phenanthrene
Concen: 14.507 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Instrument :
BNA_G
ClientSampleId :
WC-05-011519

Tot Ion:178 Resp: 98452
Ion Ratio Lower Upper
178 100
176 18.0 15.7 23.5
179 15.5 12.9 19.3

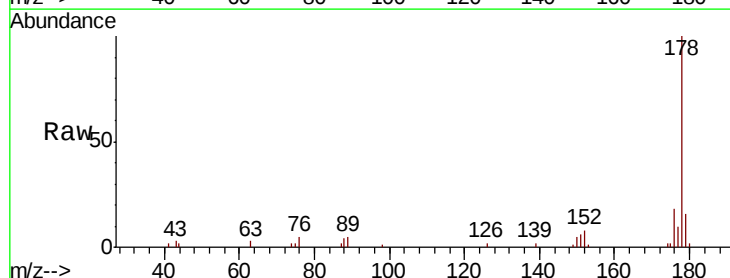


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

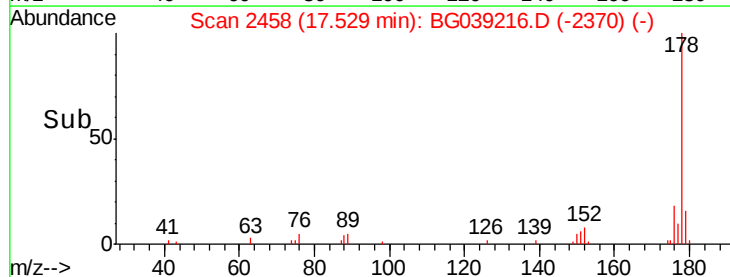
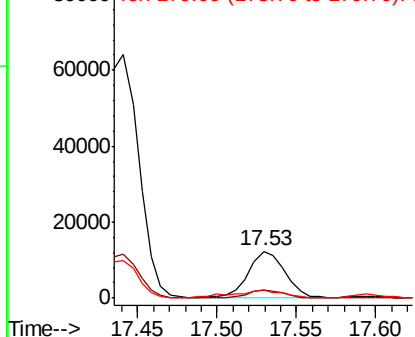


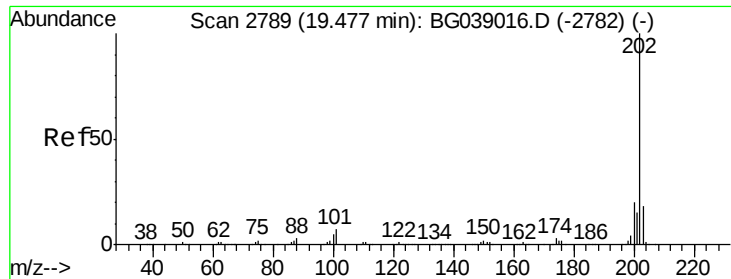
#72
Anthracene
Concen: 2.939 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:178 Resp: 19721
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 16.3 13.0 19.4



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





#75

Fluoranthene

Concen: 20.201 ng

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

Instrument :

BNA_G

ClientSampleId :

WC-05-011519

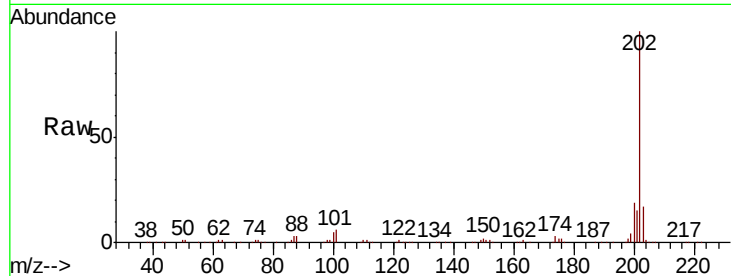
Tot Ion:202 Resp: 169950

Ion Ratio Lower Upper

202 100

101 5.8 0.0 26.9

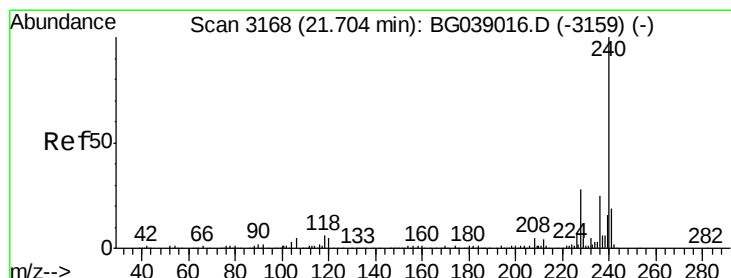
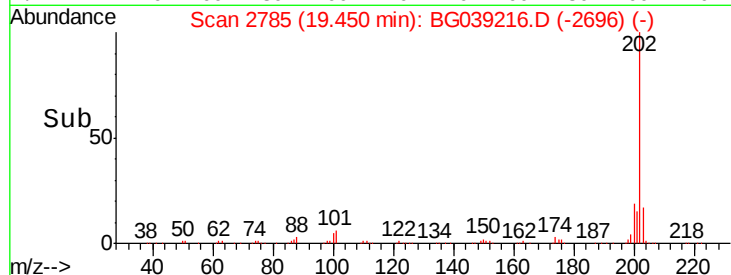
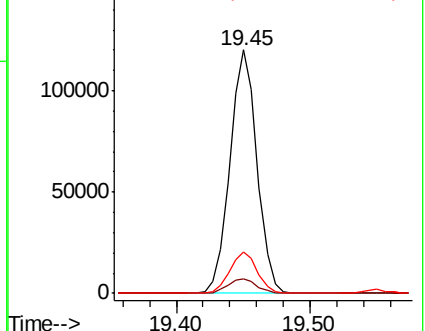
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

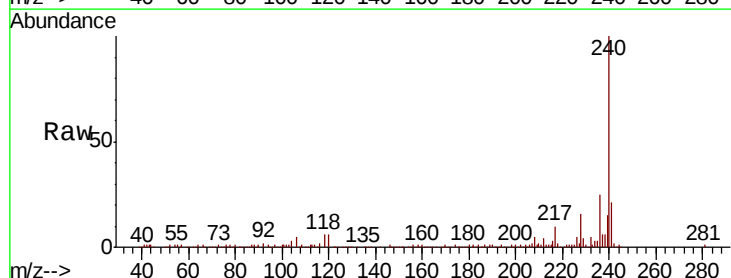
Tgt Ion:240 Resp: 129919

Ion Ratio Lower Upper

240 100

120 6.2 4.3 6.5

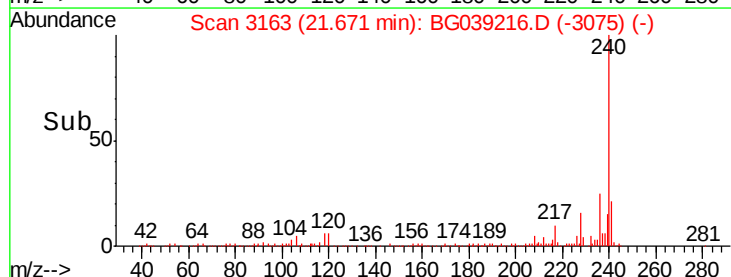
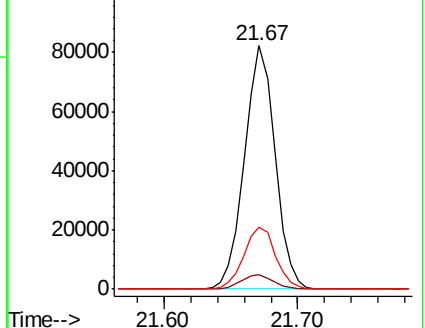
236 25.3 20.1 30.1

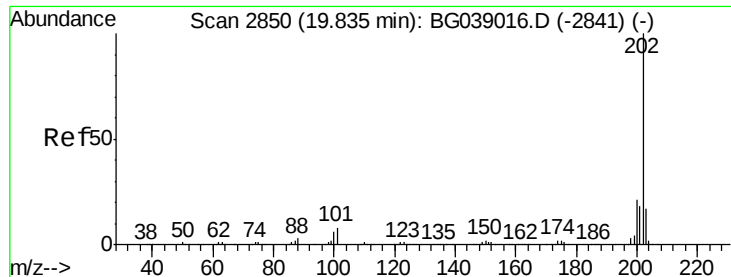


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

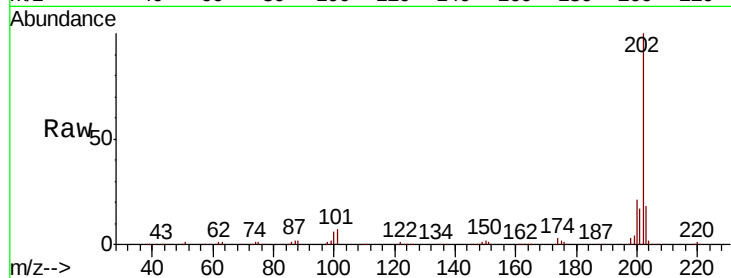




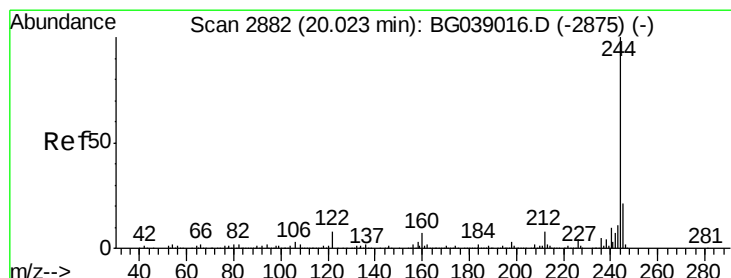
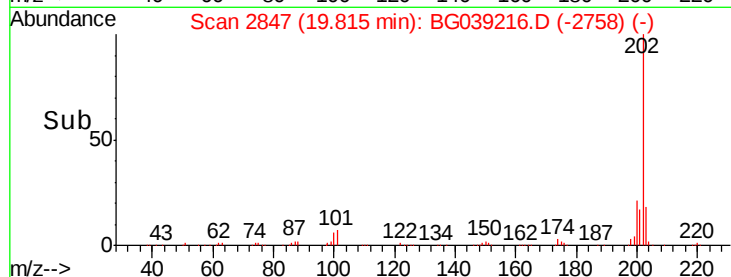
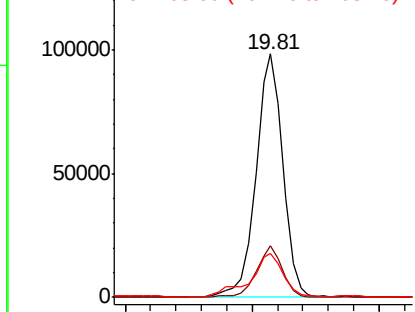
#78
Pvrene
Concen: 17.518 ng
RT: 19.81 min Scan# 2847
Delta R.T. -0.00 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Instrument :
BNA_G
ClientSampleId :
WC-05-011519

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	18.0	14.0	21.0

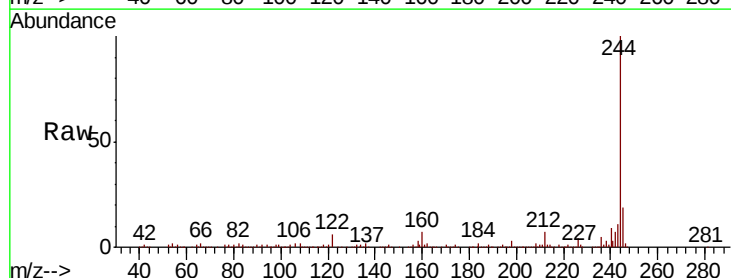


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

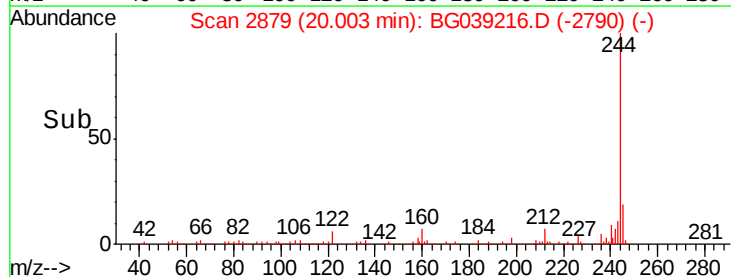
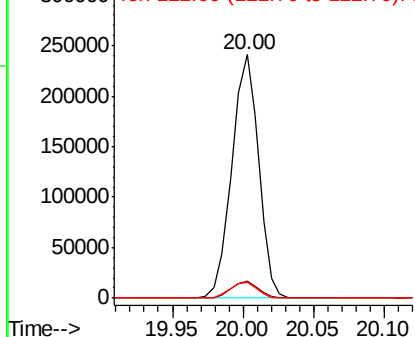


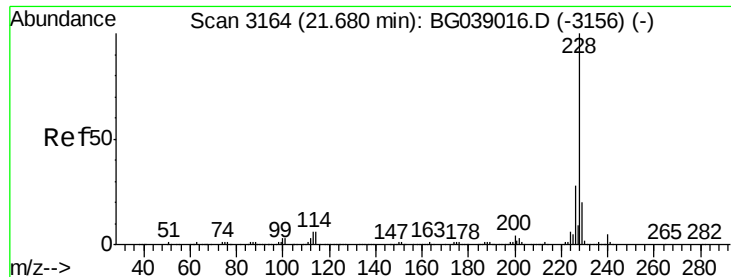
#79
Terphenyl-d14
Concen: 45.303 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.3	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





#81

Benzo(a)anthracene

Concen: 12.868 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

Instrument :

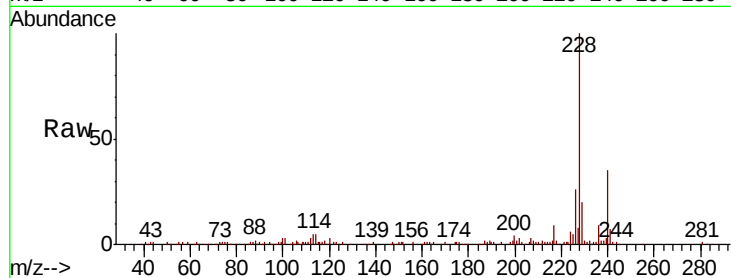
BNA_G

ClientSampleId :

WC-05-011519

Tot Ion:228 Resp: 101767

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.4	33.6
229	20.4	16.2	24.2

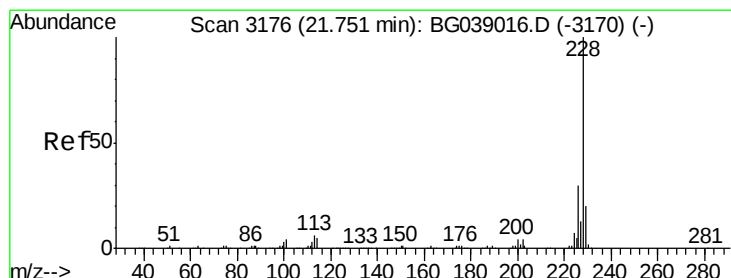
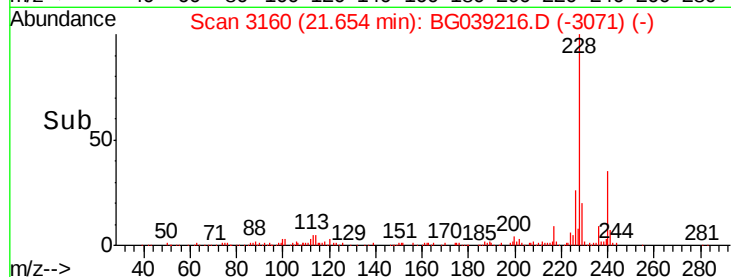
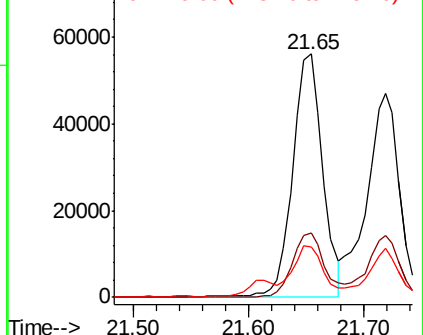


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 11.825 ng

RT: 21.72 min Scan# 3171

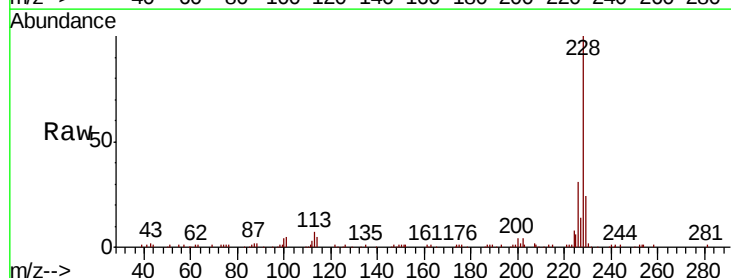
Delta R.T. -0.01 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

Tgt Ion:228 Resp: 88948

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	23.9	16.0	24.0

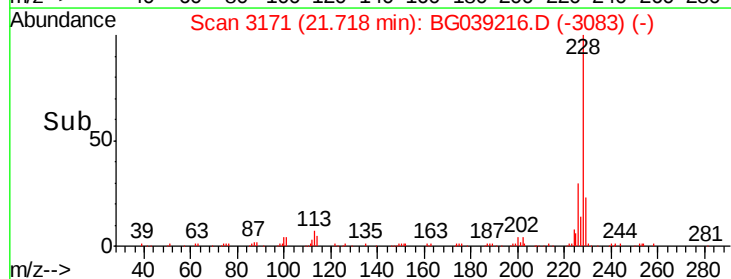
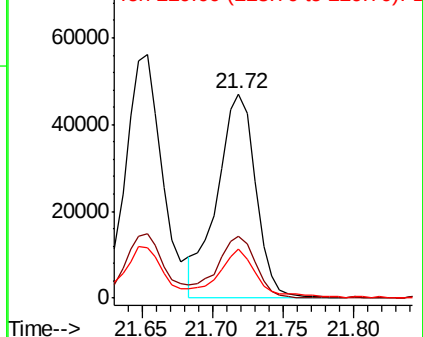


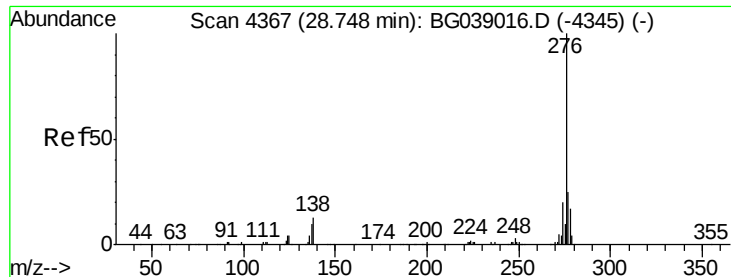
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

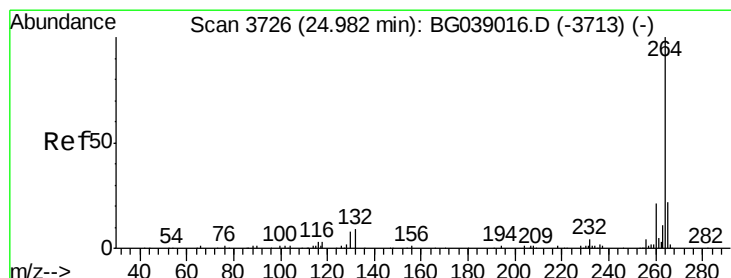
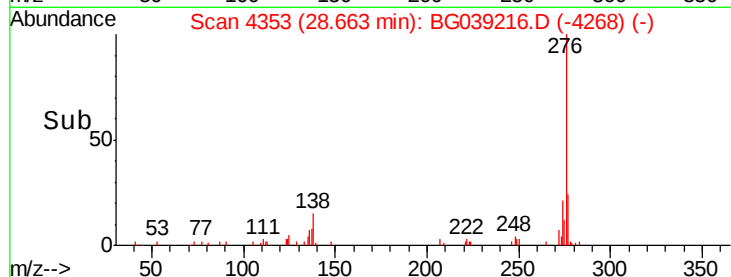
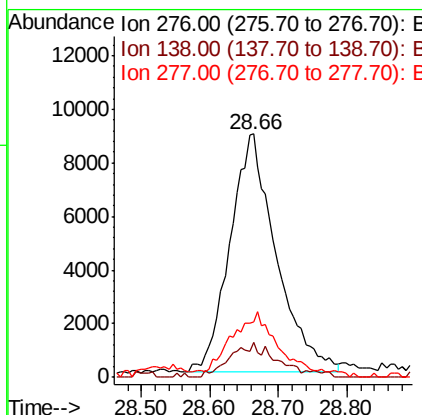
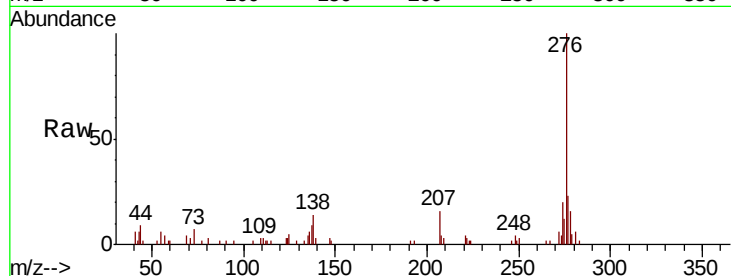




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.605 ng
RT: 28.66 min Scan# 4353
Delta R.T. -0.03 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

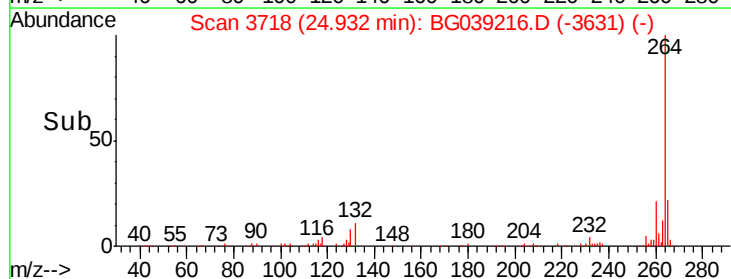
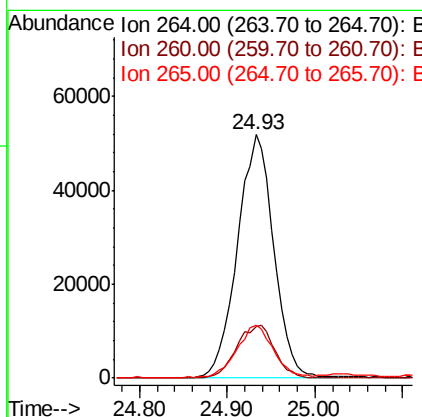
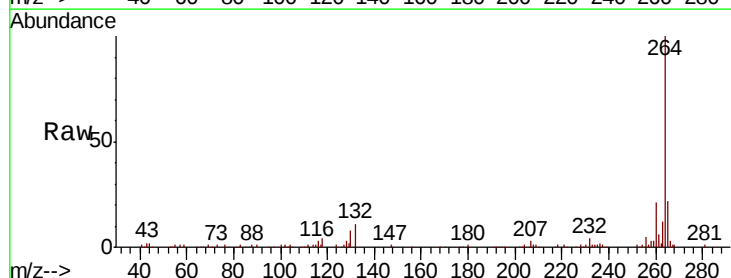
Instrument :
BNA_G
ClientSampleId :
WC-05-011519

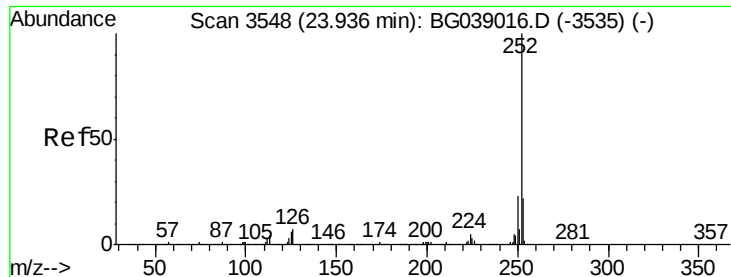
Tot Ion:276 Resp: 41393
Ion Ratio Lower Upper
276 100
138 9.2 8.0 12.0
277 23.2 20.3 30.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.02 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:264 Resp: 145888
Ion Ratio Lower Upper
264 100
260 21.5 17.0 25.6
265 21.7 17.2 25.8

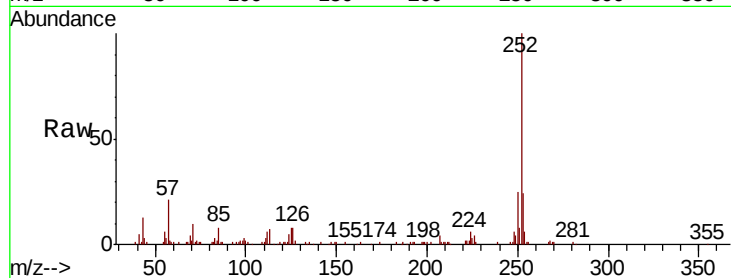




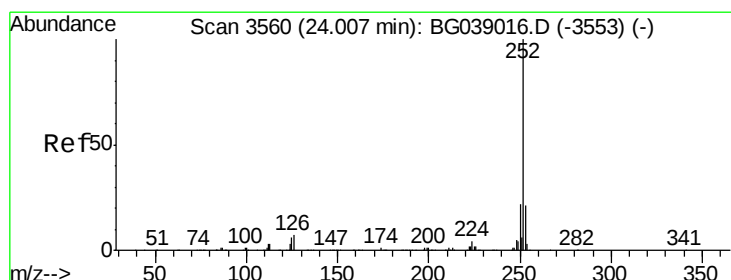
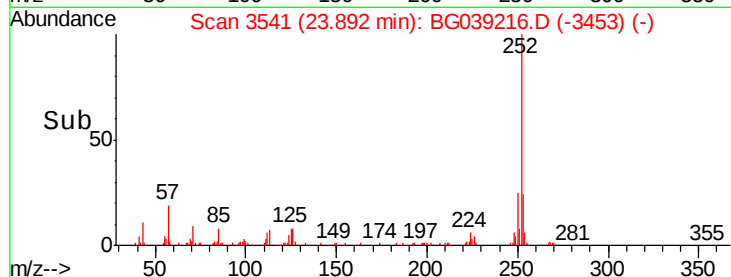
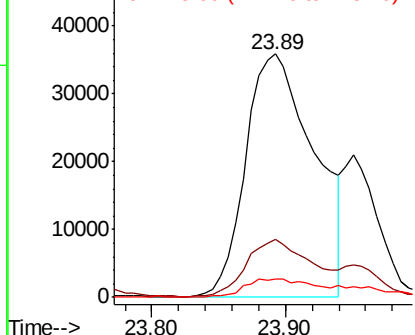
#88
Benzo(b)fluoranthene
Concen: 15.921 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.01 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Instrument :
BNA_G
ClientSampleId :
WC-05-011519

Tot Ion:252 Resp: 128072
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 7.6 4.9 7.3#

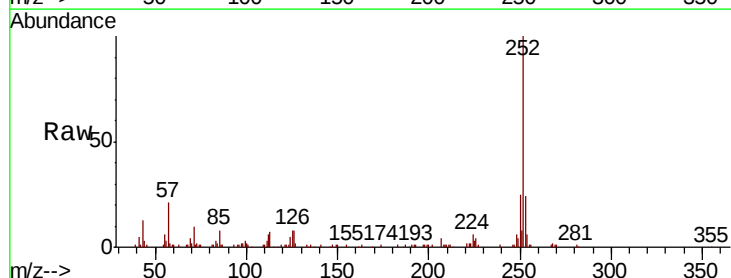


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

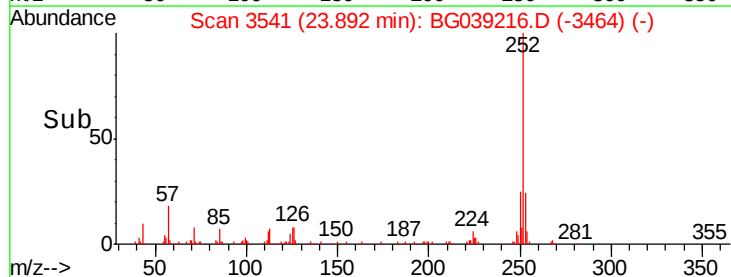
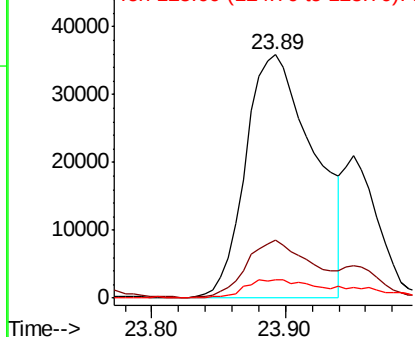


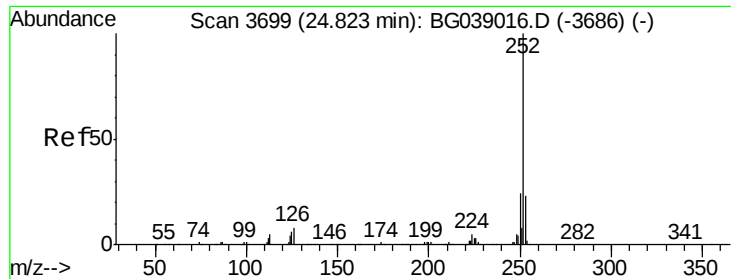
#89
Benzo(k)fluoranthene
Concen: 16.103 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.07 min
Lab File: BG039216.D
Acq: 18 Jan 2019 15:16

Tgt Ion:252 Resp: 128072
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 7.6 4.6 7.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.026 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.02 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

Instrument :

BNA_G

ClientSampleId :

WC-05-011519

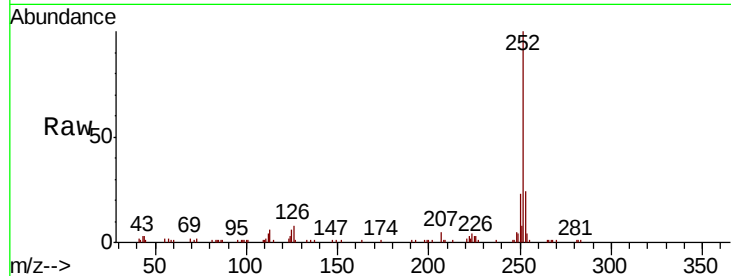
Tot Ion:252 Resp: 77957

Ion Ratio Lower Upper

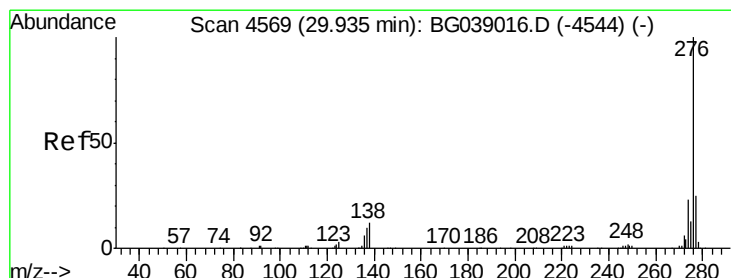
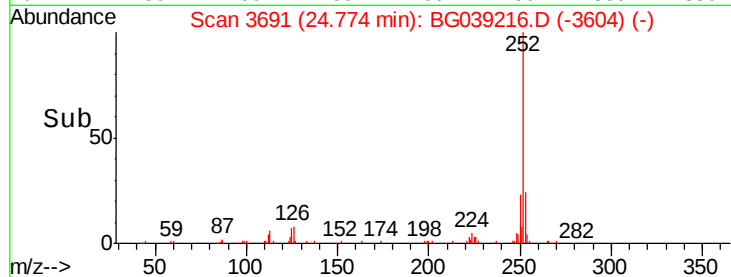
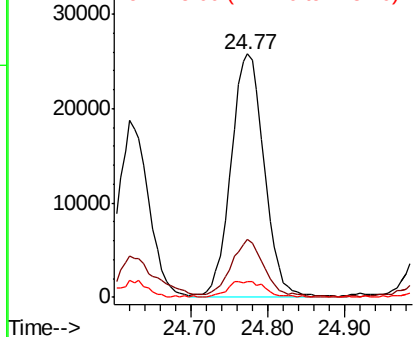
252 100

253 24.1 18.3 27.5

125 6.5 4.9 7.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.970 ng

RT: 29.86 min Scan# 4556

Delta R.T. -0.02 min

Lab File: BG039216.D

Acq: 18 Jan 2019 15:16

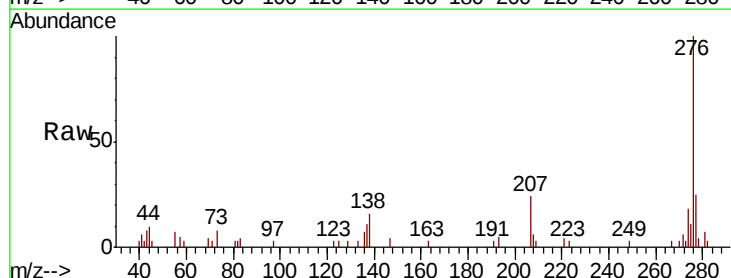
Tgt Ion:276 Resp: 38054

Ion Ratio Lower Upper

276 100

277 25.0 20.3 30.5

138 15.8 9.4 14.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

