

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038927.D
 Acq On : 4 Jan 2019 12:39
 Operator : JU/SJ
 Sample : K1019-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 14:05:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	29022	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	118249	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	89260	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	224424	20.00	ng	0.00
76) Chrysene-d12	21.71	240	223948	20.00	ng	-0.01
87) Perylene-d12	25.01	264	238606	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	187957	114.87	ng	0.00
7) Phenol-d6	7.21	99	265304	118.11	ng	0.00
23) Nitrobenzene-d5	9.23	82	159365	68.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	151884	123.47	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	446947	68.69	ng	-0.01
79) Terphenyl-d14	20.04	244	773349	75.15	ng	0.00

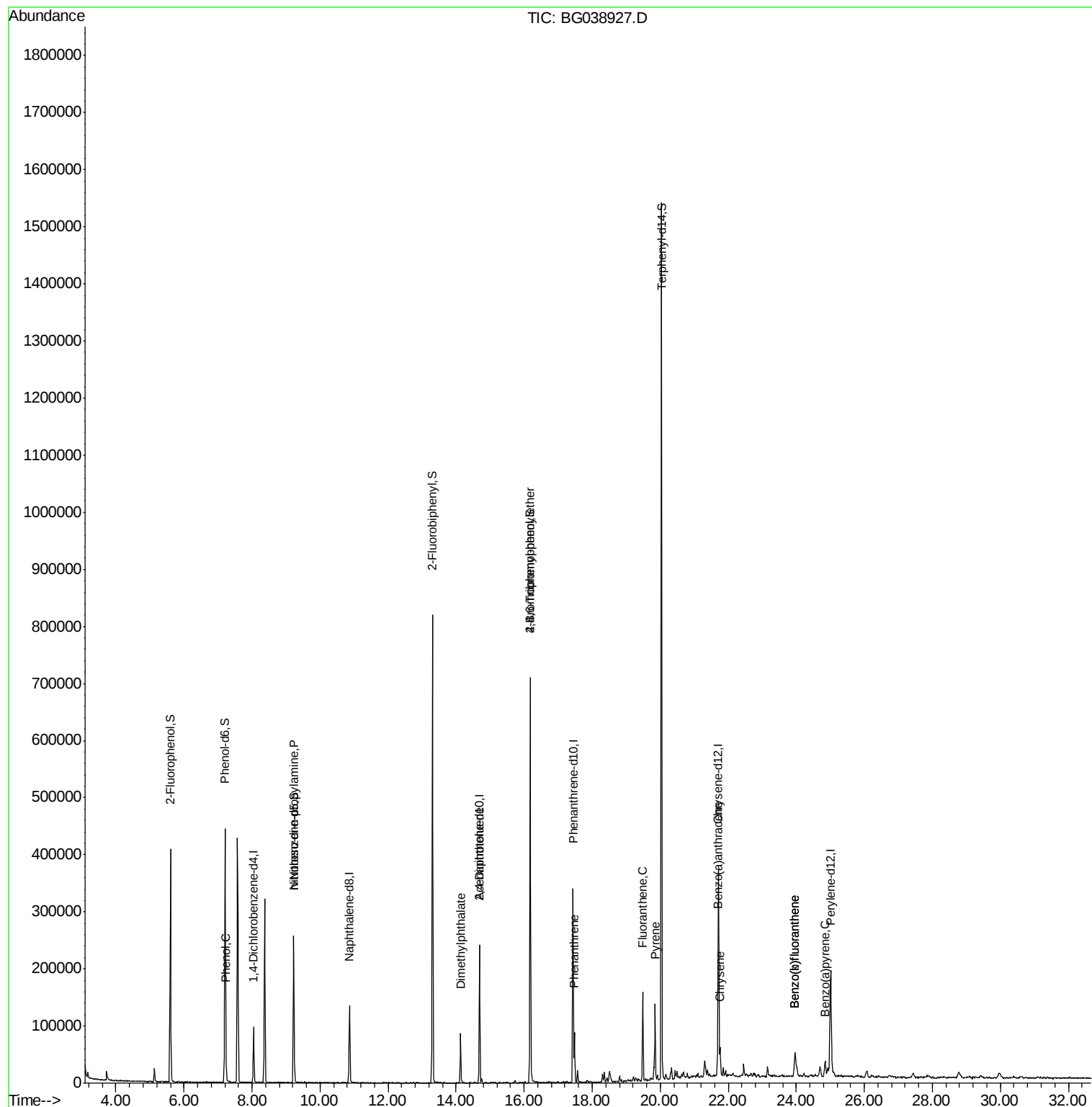
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	11907	4.989	ng	94
19) n-Nitroso-di-n-propylamine	9.23	70	21666	13.733	ng	# 64
50) Dimethylphthalate	14.13	163	64447	8.841	ng	99
57) 2,4-Dinitrotoluene	14.69	165	11024	4.738	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9718	3.546	ng	# 1
71) Phenanthrene	17.48	178	59375	5.102	ng	98
75) Fluoranthene	19.49	202	103515	7.189	ng	97
78) Pyrene	19.85	202	94169	6.365	ng	99
81) Benzo(a)anthracene	21.69	228	43279	3.171	ng	99
83) Chrysene	21.76	228	36784	2.799	ng	97
88) Benzo(b)fluoranthene	23.96	252	42844	3.270	ng	97
89) Benzo(k)fluoranthene	23.96	252	42844	3.284	ng	99
90) Benzo(a)pyrene	24.85	252	33184	2.626	ng	# 95

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

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Quant Time: Jan 04 14:05:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



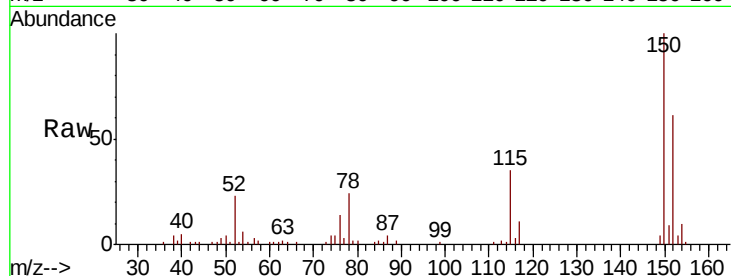


#1

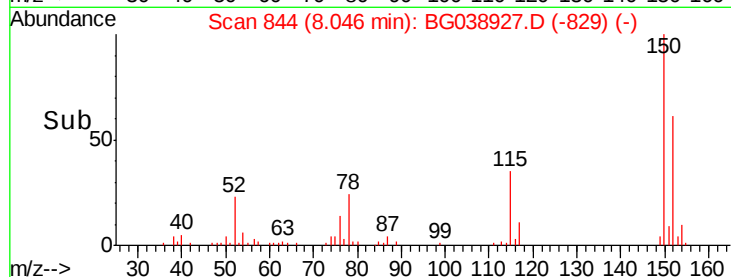
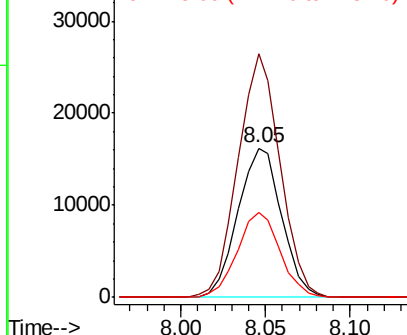
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29022
Ion Ratio Lower Upper
152 100
150 163.4 119.5 179.3
115 56.7 49.6 74.4



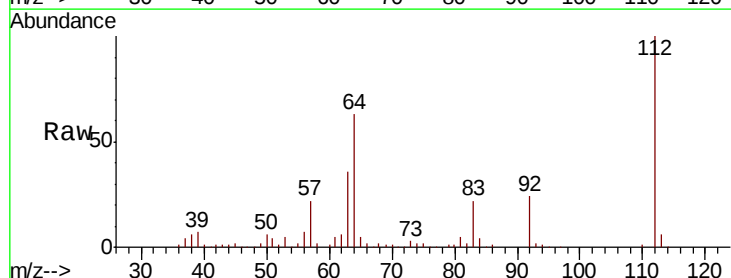
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



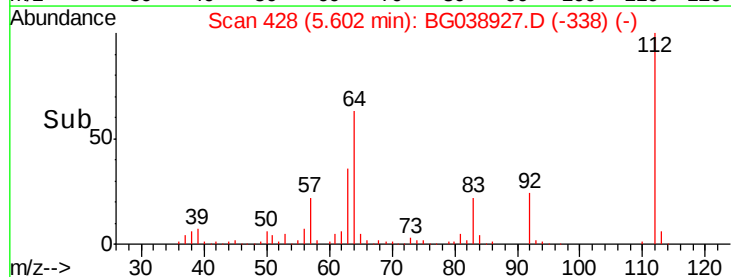
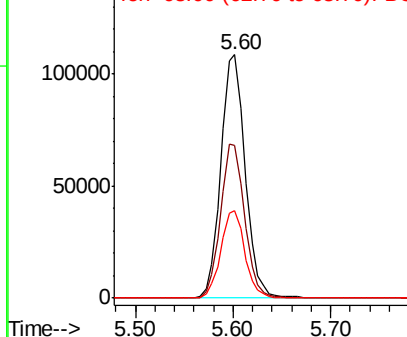
#5

2-Fluorophenol
Concen: 114.868 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Tgt Ion:112 Resp: 187957
Ion Ratio Lower Upper
112 100
64 62.8 53.4 80.2
63 35.9 29.3 43.9



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: 118.107 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Instrument :

BNA_G

ClientSampleId :

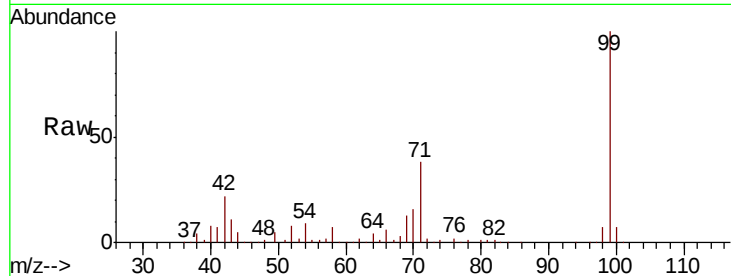
Tot Ion: 99 Resp: 265304

Ion Ratio Lower Upper

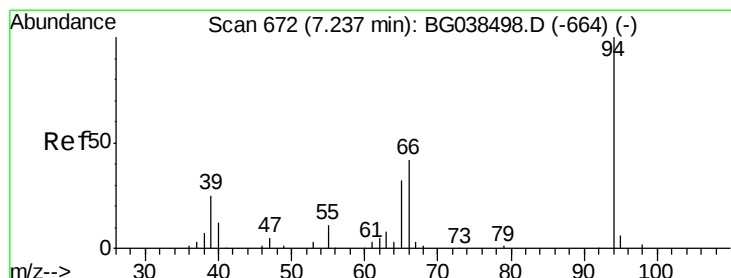
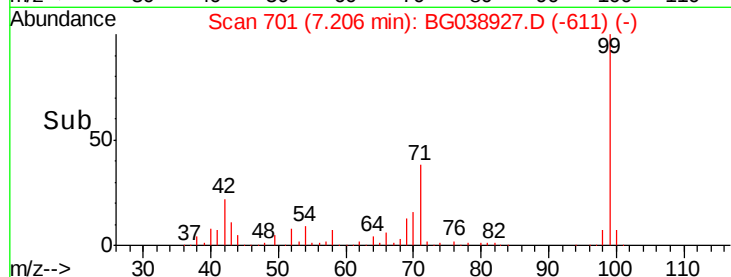
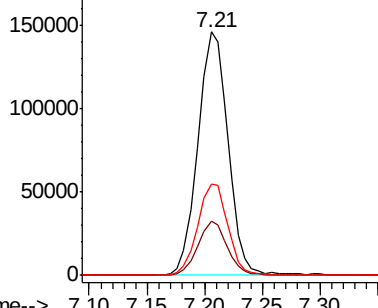
99 100

42 22.1 18.5 27.7

71 37.5 31.1 46.7



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: 4.989 ng

RT: 7.23 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

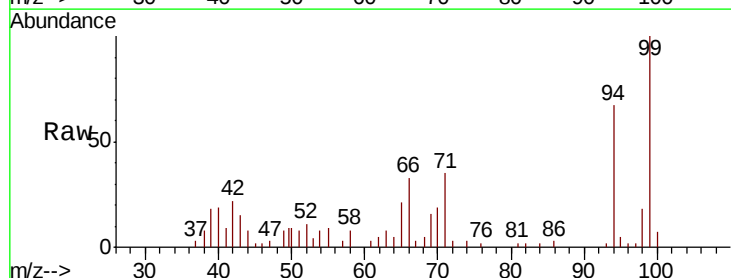
Tgt Ion: 94 Resp: 11907

Ion Ratio Lower Upper

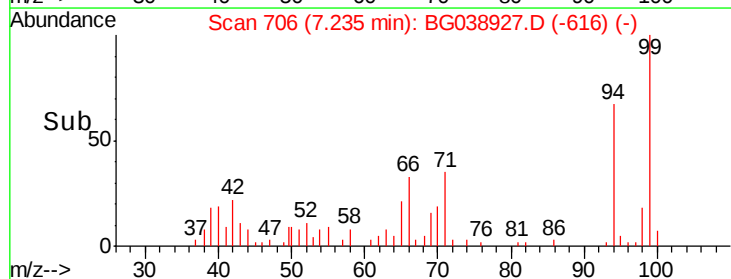
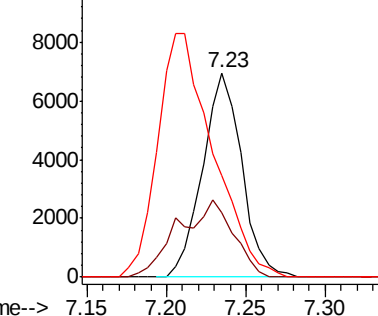
94 100

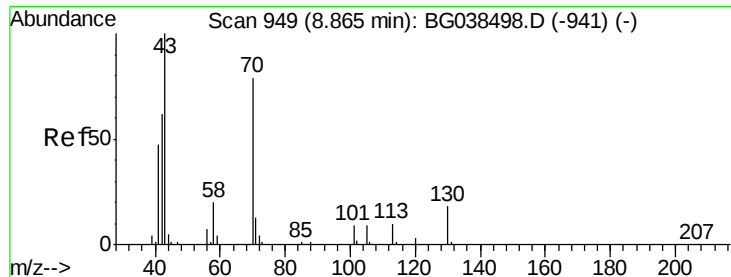
65 31.3 12.6 52.6

66 49.6 24.1 64.1



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: 13.733 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21666

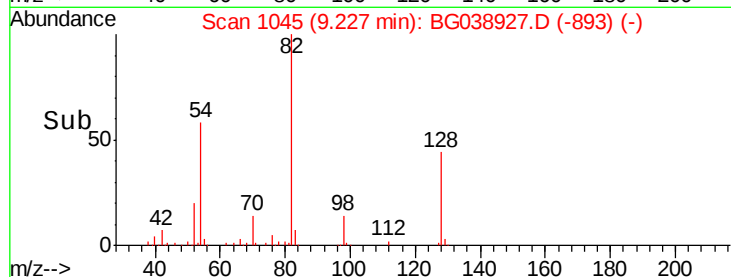
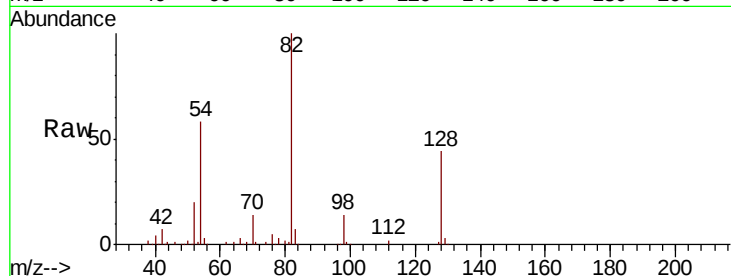
Ion Ratio Lower Upper

70 100

42 49.2 63.6 95.4#

101 0.0 9.2 13.8#

130 2.5 18.5 27.7#

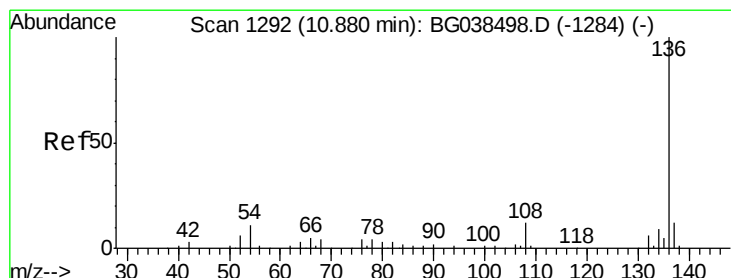
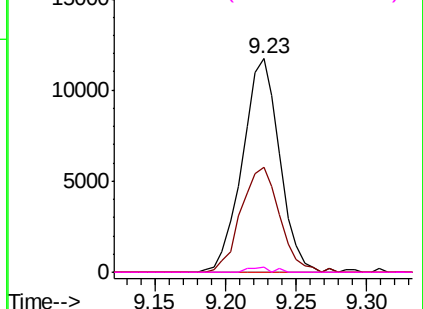


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Tgt Ion: 136 Resp: 118249

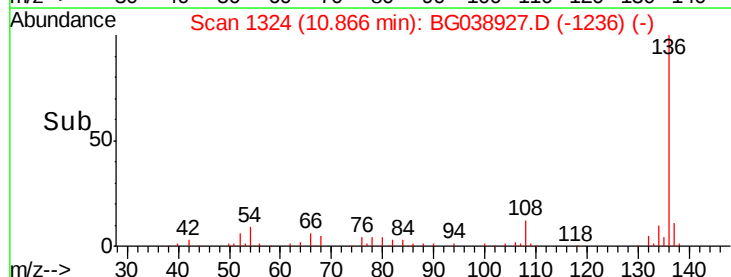
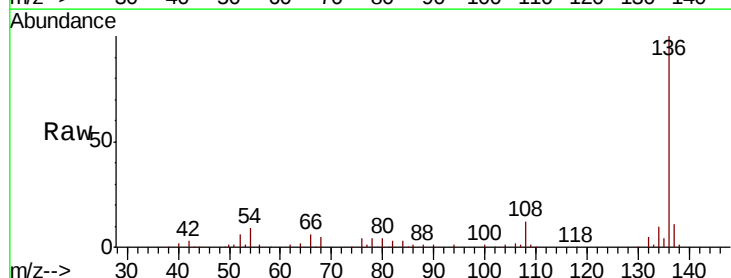
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 9.4 8.5 12.7

68 4.7 3.5 5.3

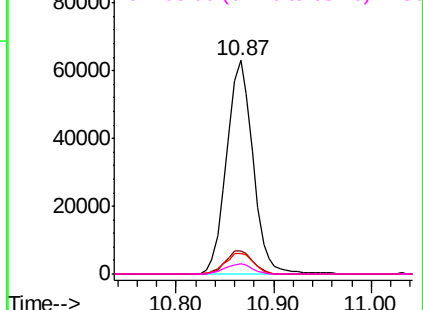


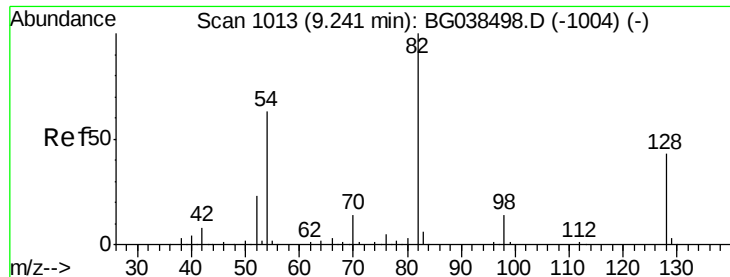
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

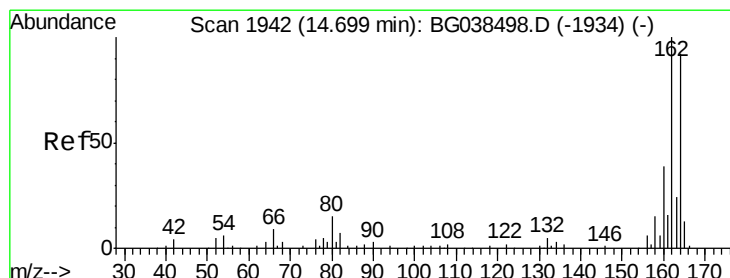
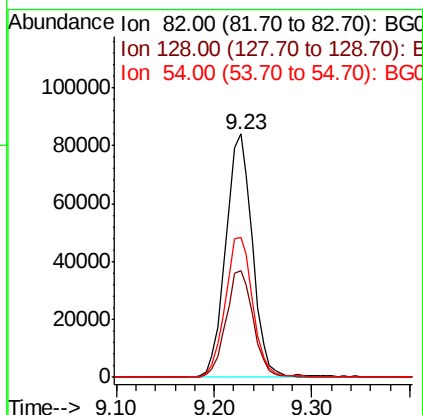
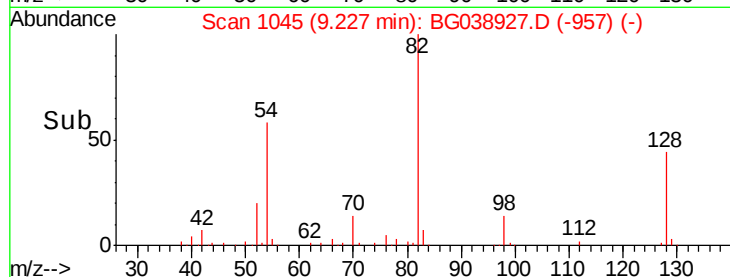
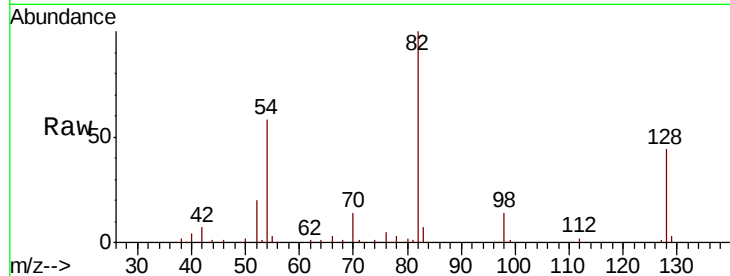




#23
Nitrobenzene-d5
Concen: 68.850 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

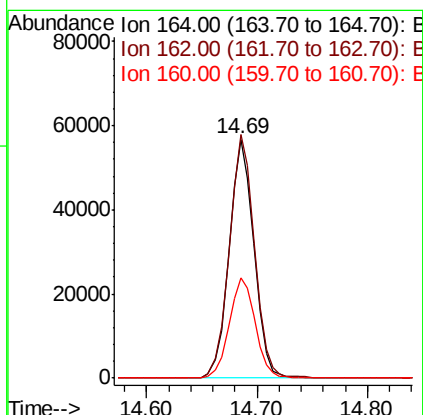
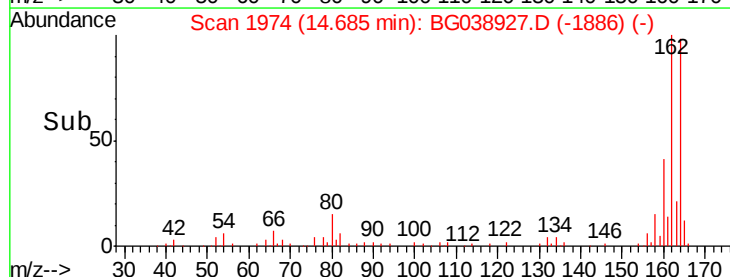
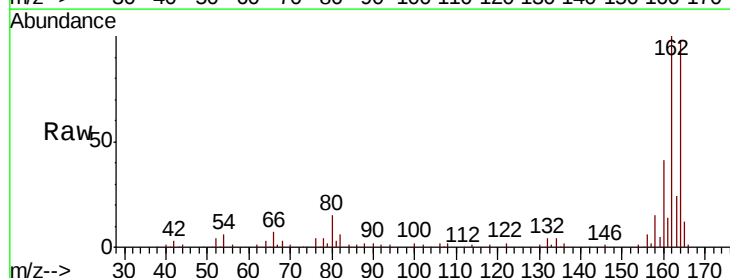
Instrument :
BNA_G
ClientSampled :

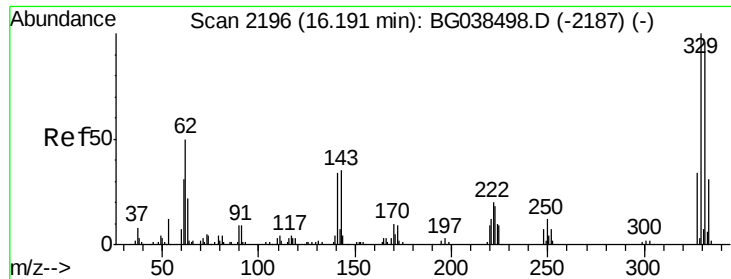
Tot Ion: 82 Resp: 159365
Ion Ratio Lower Upper
82 100
128 43.8 34.6 52.0
54 57.6 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Tgt Ion:164 Resp: 89260
Ion Ratio Lower Upper
164 100
162 101.8 86.6 130.0
160 41.8 34.2 51.2

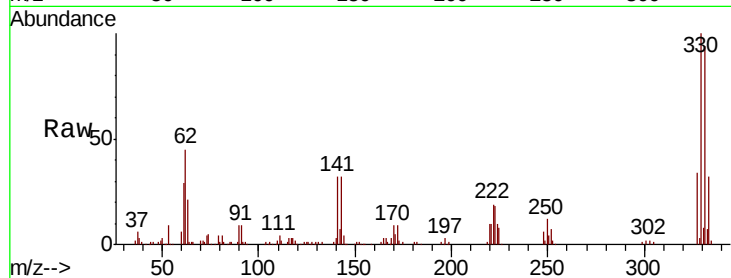




#42
 2,4,6-Tribromophenol
 Concen: 123.467 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	32.1	28.8	43.2

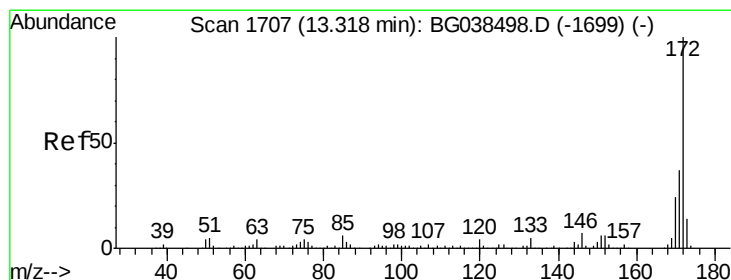
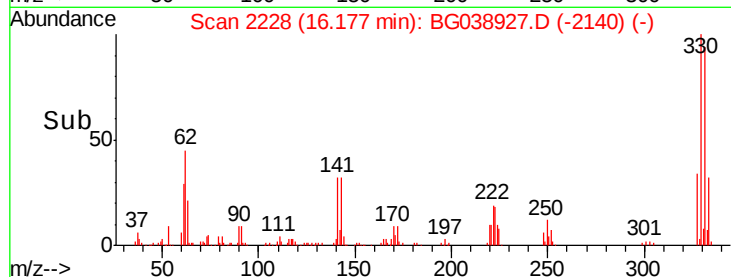
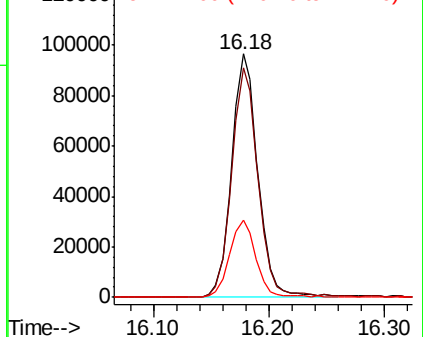


Abundance

Ion 329.80 (329.50 to 330.50): E

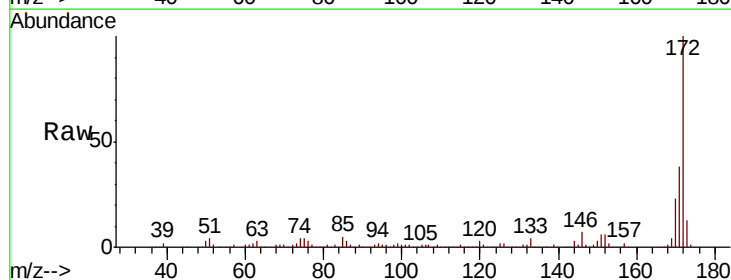
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 68.692 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.6
170	23.2	19.5	29.3

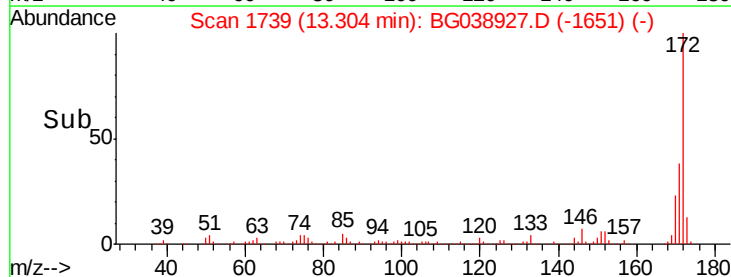
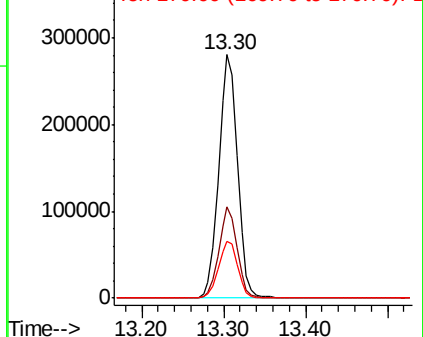


Abundance

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: 8.841 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Instrument :

BNA_G

ClientSampled :

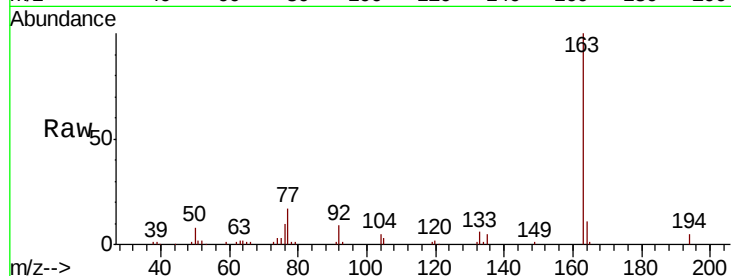
Tot Ion:163 Resp: 64447

Ion Ratio Lower Upper

163 100

194 4.8 3.7 5.5

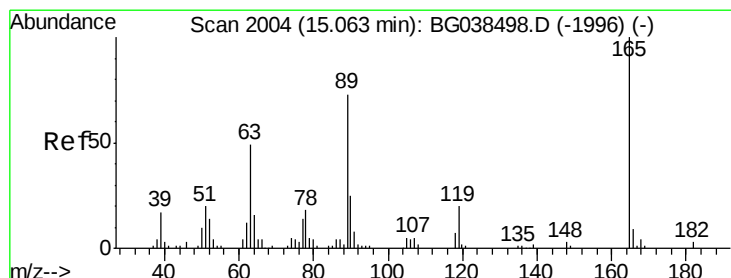
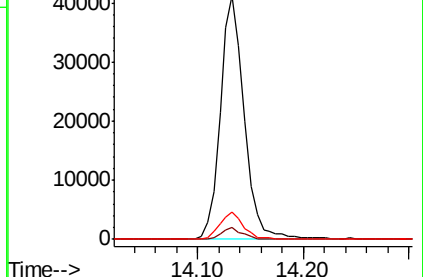
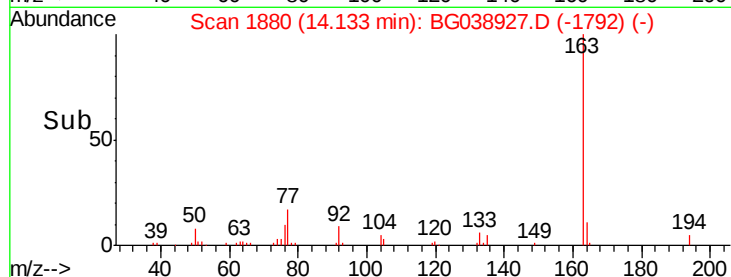
164 11.0 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.738 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.38 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Tgt Ion:165 Resp: 11024

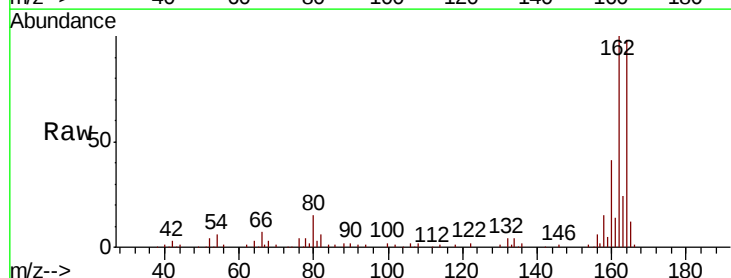
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

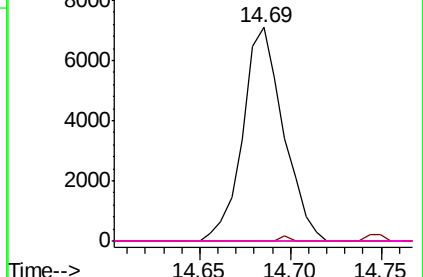
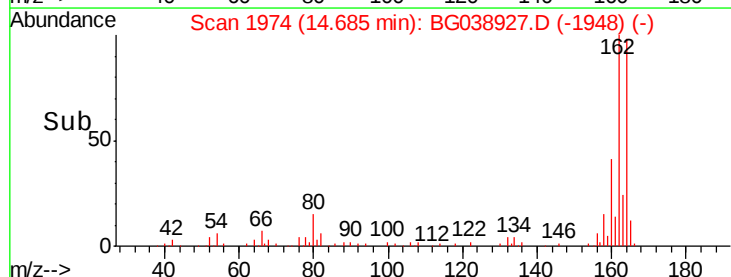


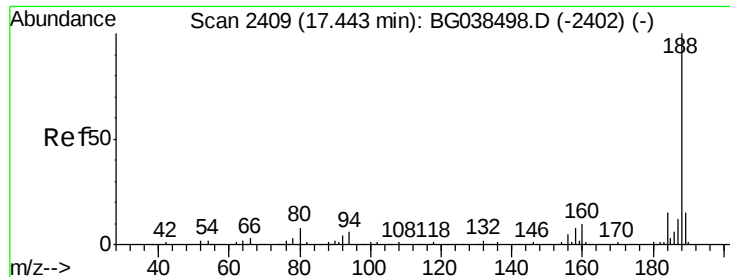
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

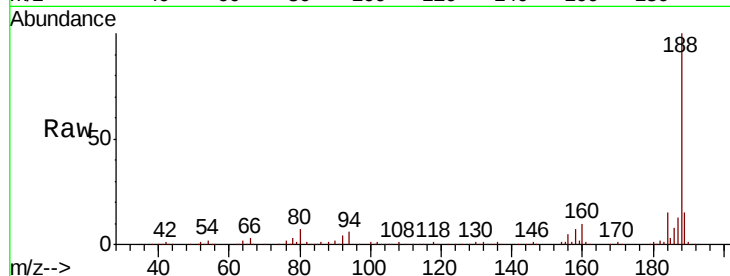




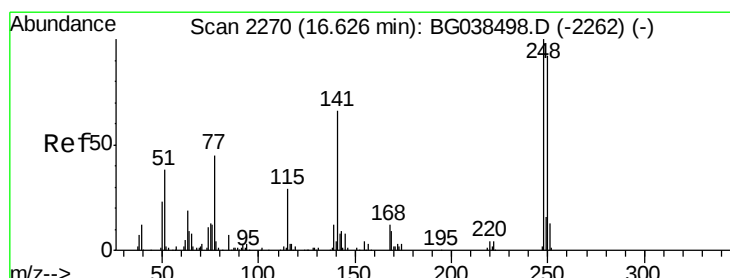
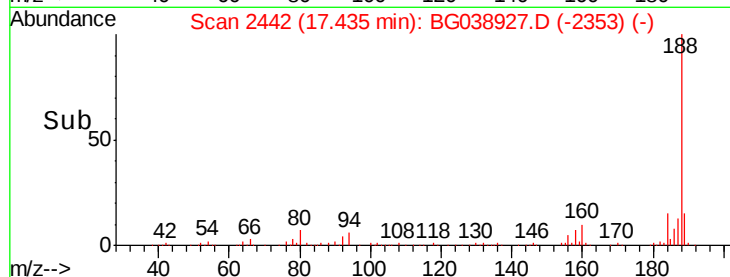
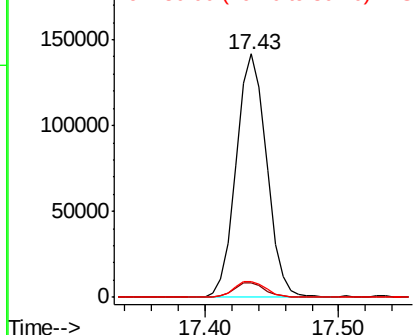
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 224424
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.1 7.7
 80 6.7 6.1 9.1

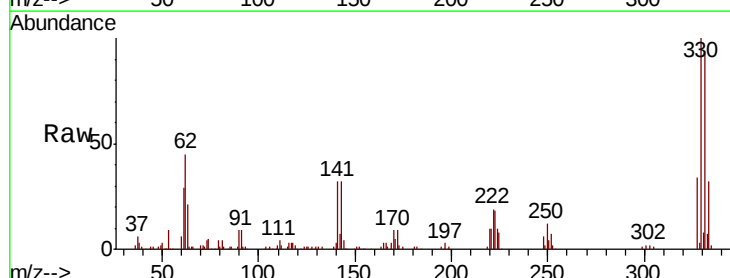


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

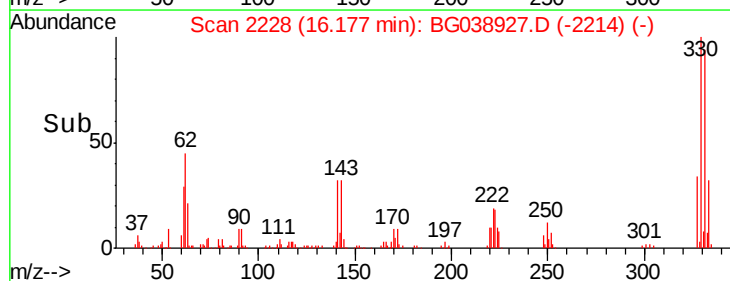
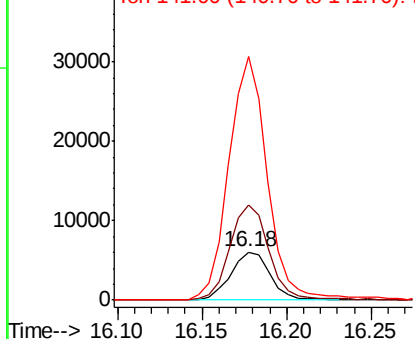


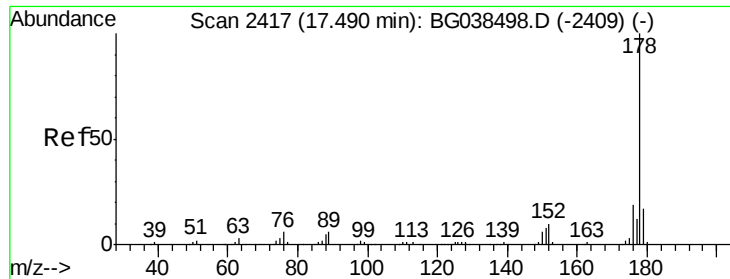
#67
 4-Bromophenyl-phenylether
 Concen: 3.546 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Tgt Ion:248 Resp: 9718
 Ion Ratio Lower Upper
 248 100
 250 188.9 73.4 110.2#
 141 374.7 52.9 79.3#



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

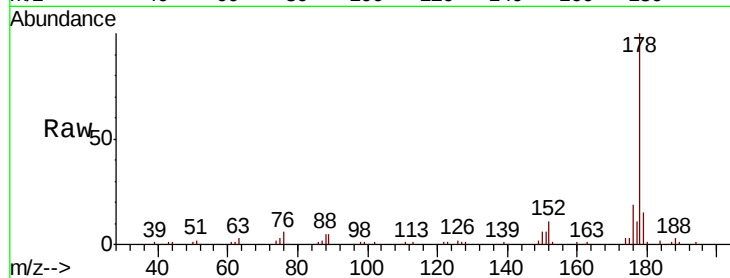




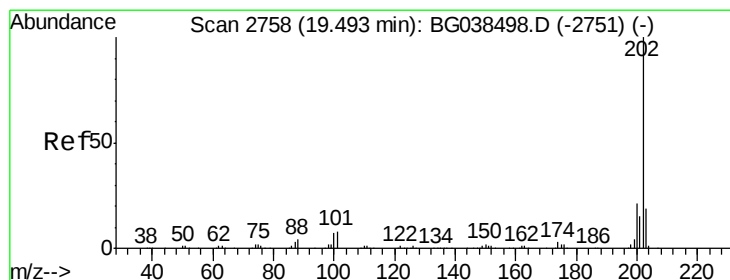
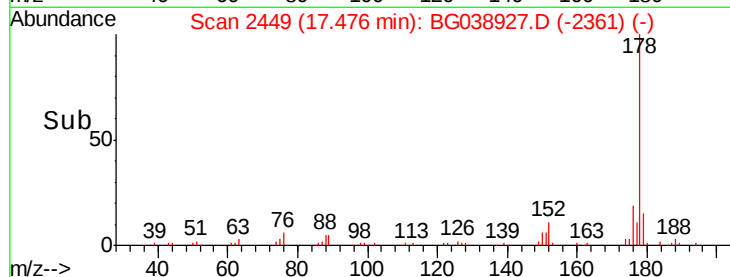
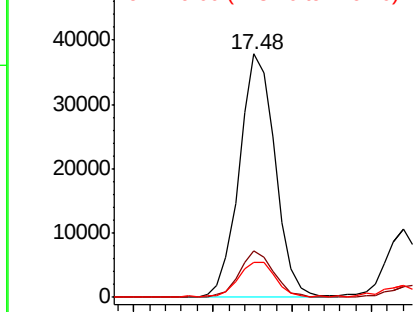
#71
Phenanthrene
Concen: 5.102 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 59375
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 14.5 13.2 19.8

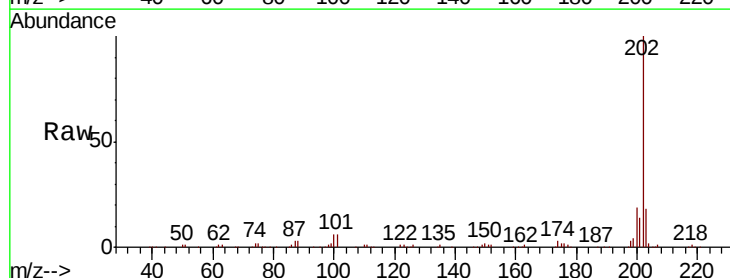


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

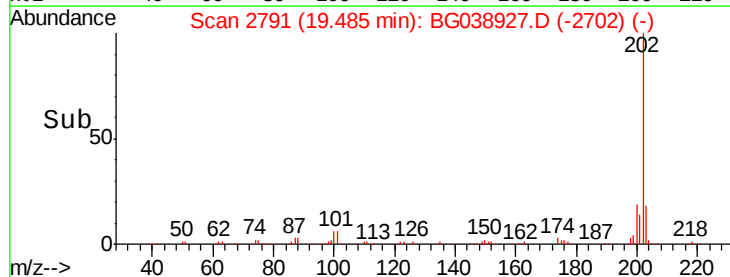
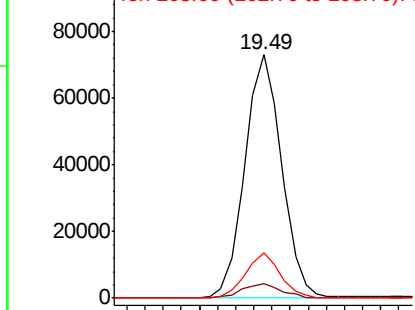


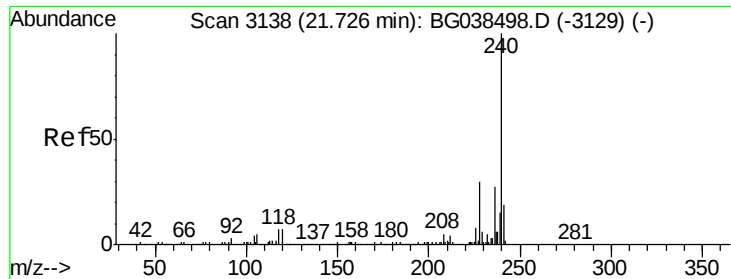
#75
Fluoranthene
Concen: 7.189 ng
RT: 19.49 min Scan# 2791
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Tgt Ion:202 Resp: 103515
Ion Ratio Lower Upper
202 100
101 6.0 0.0 28.1
203 18.4 0.0 39.0



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

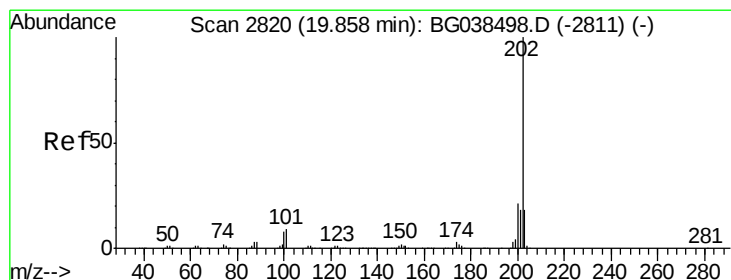
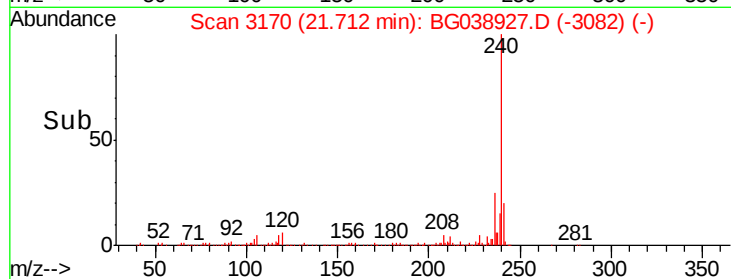
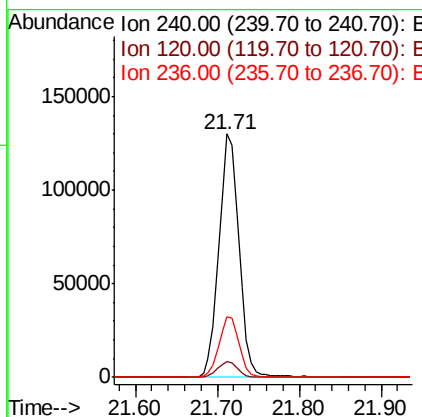
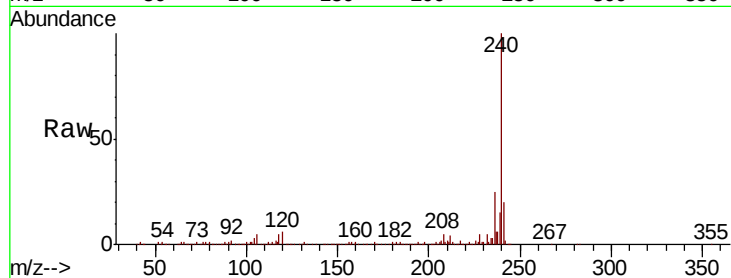




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

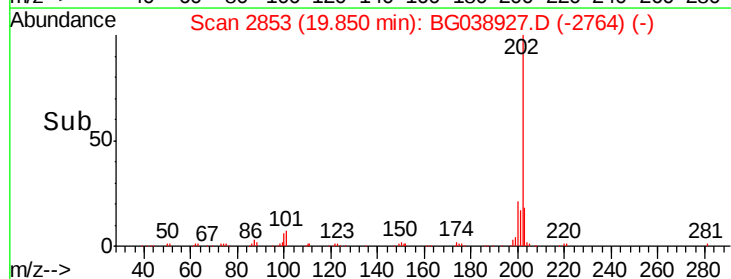
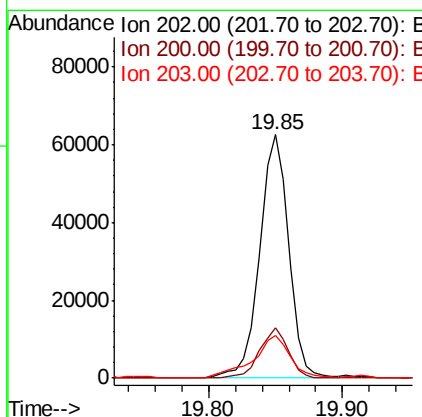
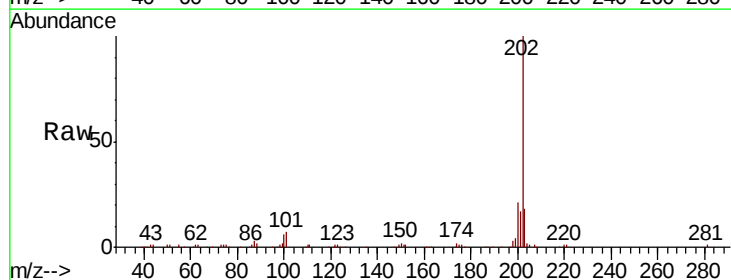
Instrument :
 BNA_G
 ClientSampleId :

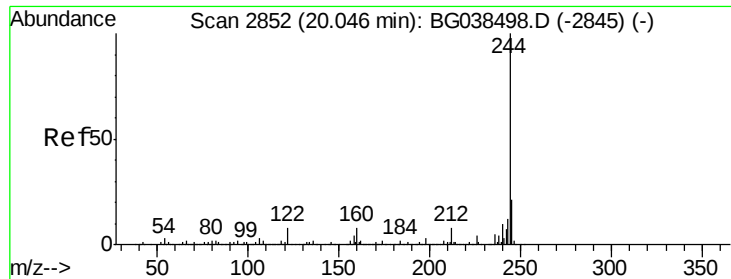
Tot Ion:240 Resp: 223948
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.3 7.9
 236 25.0 21.4 32.2



#78
 Pyrene
 Concen: 6.365 ng
 RT: 19.85 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Tgt Ion:202 Resp: 94169
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 17.5 14.6 21.8





#79

Terphenyl-d14

Concen: 75.154 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

Instrument :

BNA_G

ClientSampleId :

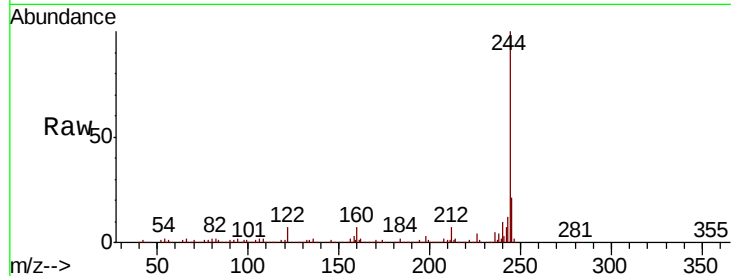
Tot Ion:244 Resp: 773349

Ion Ratio Lower Upper

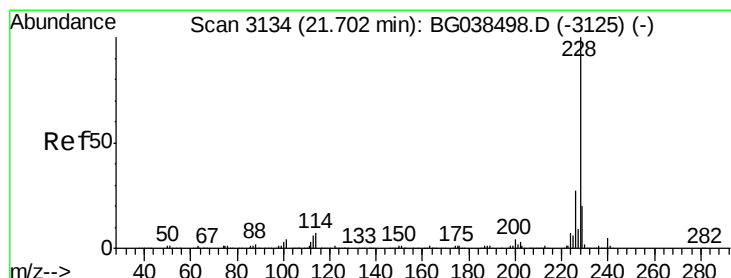
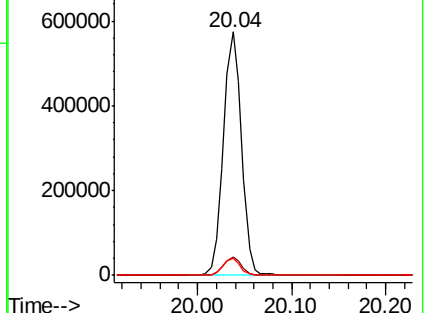
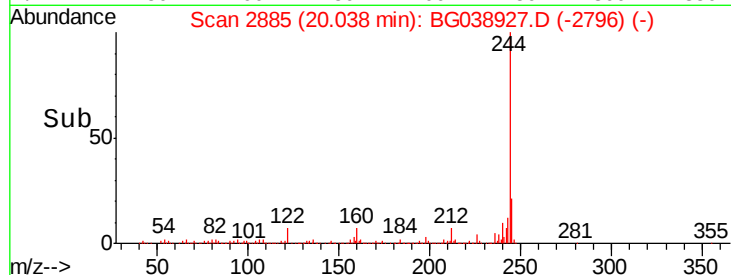
244 100

212 7.5 6.2 9.2

122 7.0 6.3 9.5



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: 3.171 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG038927.D

Acq: 4 Jan 2019 12:39

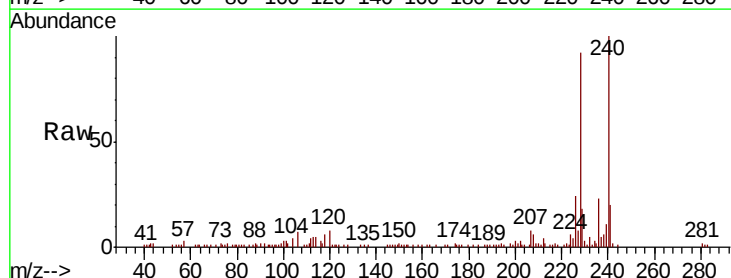
Tgt Ion:228 Resp: 43279

Ion Ratio Lower Upper

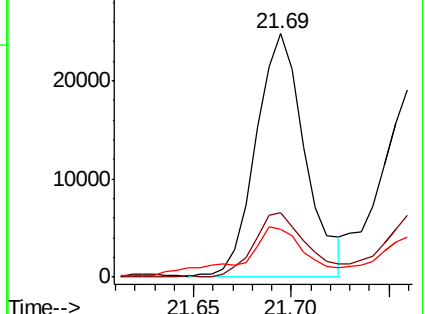
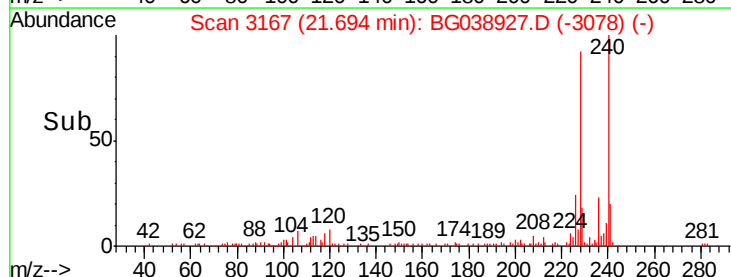
228 100

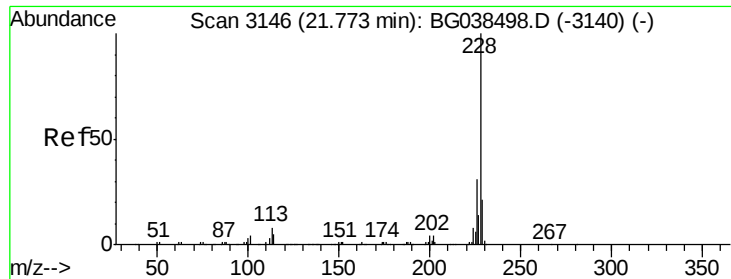
226 26.6 21.8 32.8

229 19.6 15.8 23.6



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

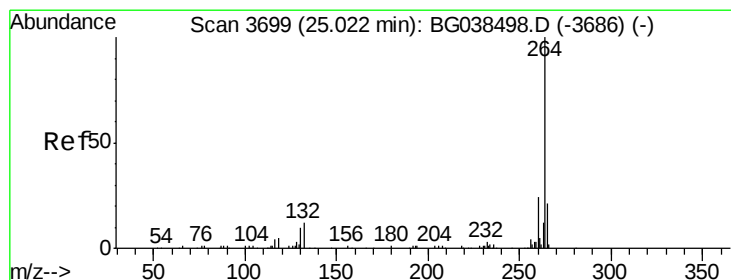
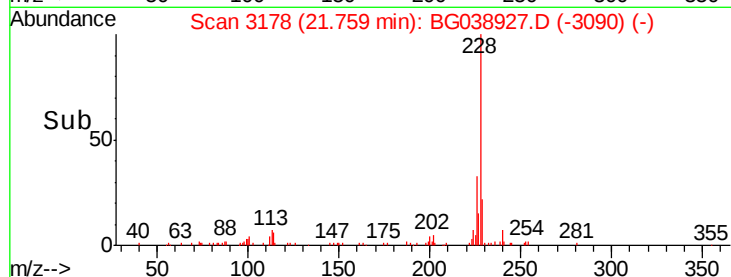
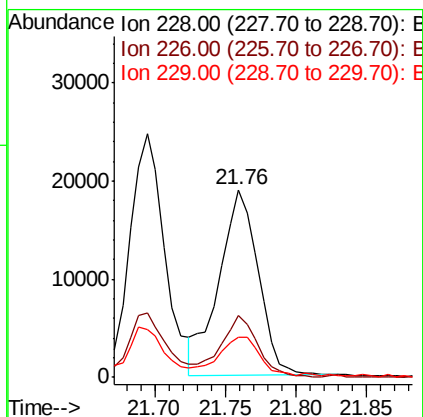
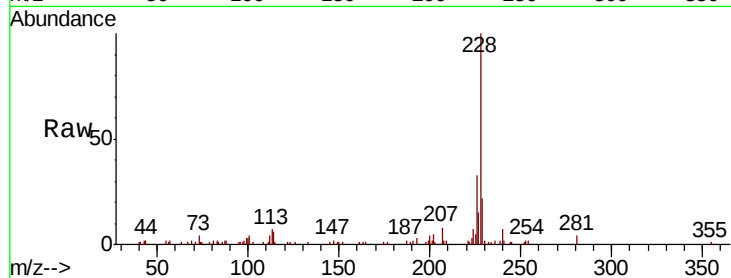




#83
Chrysene
Concen: 2.799 ng
RT: 21.76 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

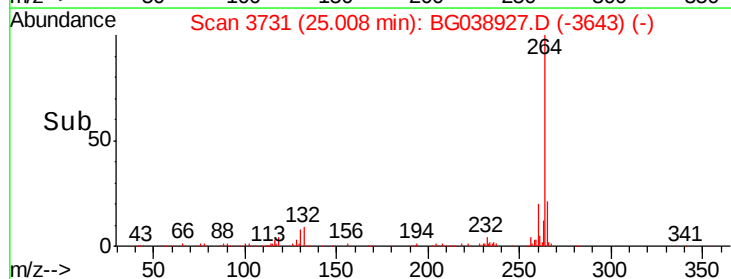
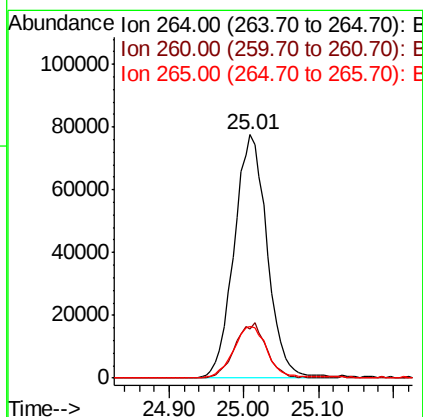
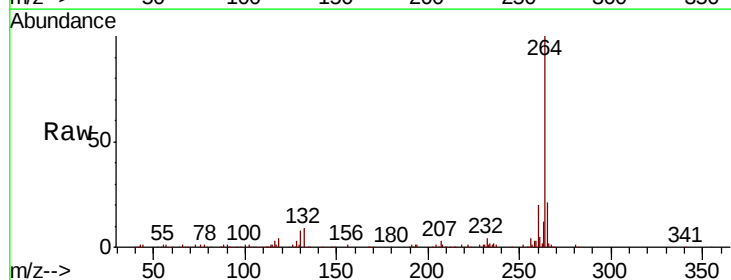
Instrument :
BNA_G
ClientSampleId :

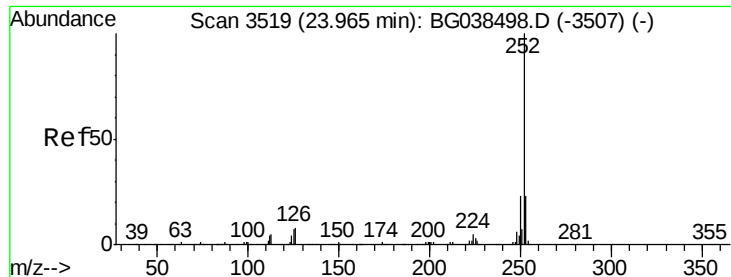
Tot Ion:228 Resp: 36784
Ion Ratio Lower Upper
228 100
226 33.3 25.0 37.4
229 21.5 16.5 24.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3731
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Tgt Ion:264 Resp: 238606
Ion Ratio Lower Upper
264 100
260 20.1 18.9 28.3
265 21.3 17.0 25.4

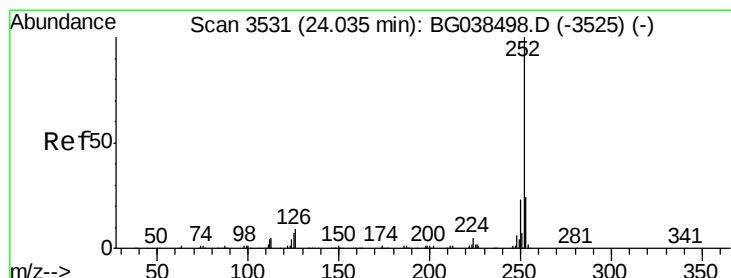
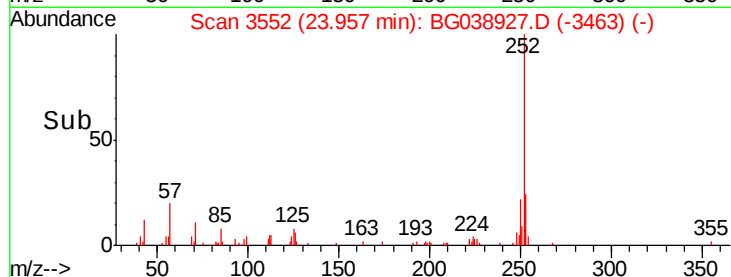
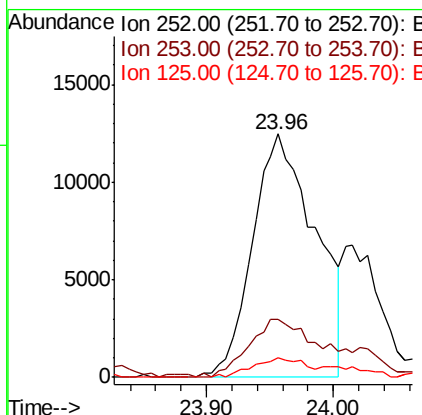
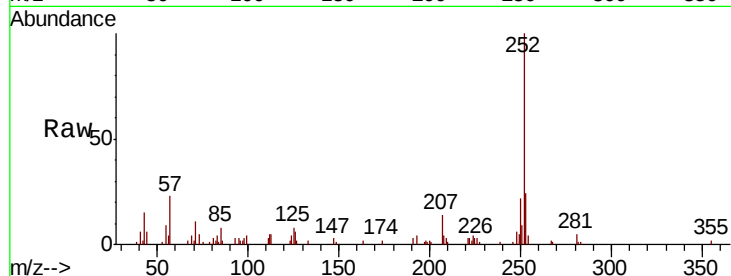




#88
Benzo(b)fluoranthene
Concen: 3.270 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

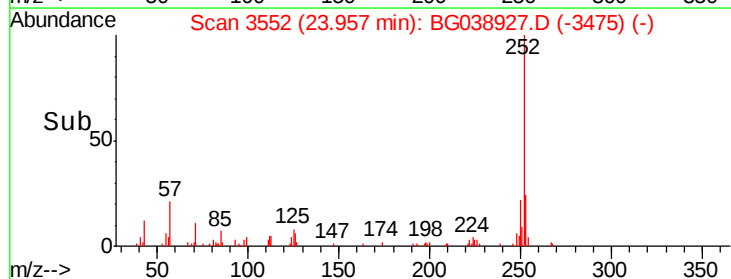
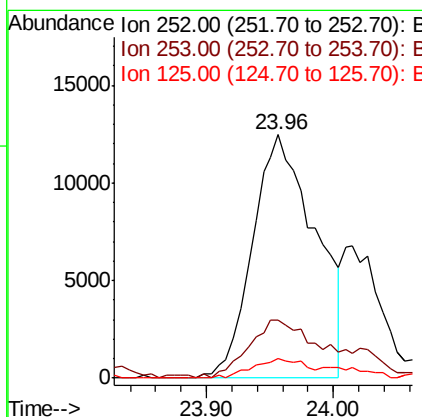
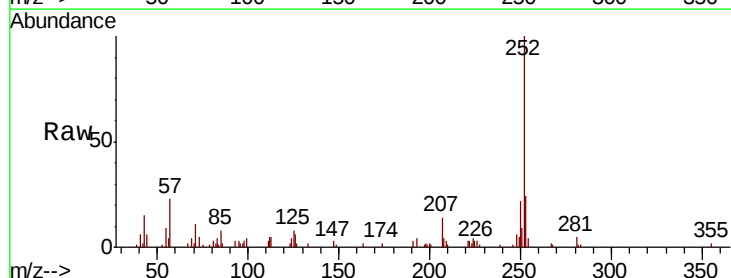
Instrument :
BNA_G
ClientSampleId :

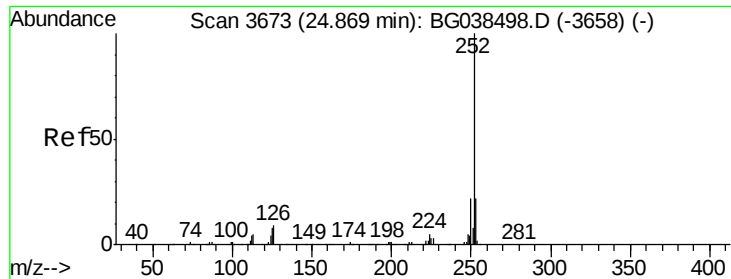
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	8.0	5.5	8.3



#89
Benzo(k)fluoranthene
Concen: 3.284 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.08 min
Lab File: BG038927.D
Acq: 4 Jan 2019 12:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.9	28.3
125	8.0	5.4	8.2





#90
 Benzo(a)pyrene
 Concen: 2.626 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG038927.D
 Acq: 4 Jan 2019 12:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.4	26.0
125	5.4	6.4	9.6

