

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038565.D
 Acq On : 14 Dec 2018 12:28
 Operator : JU/SJ
 Sample : J6329-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071-PIPE-1

Quant Time: Dec 14 13:21:56 2018
 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

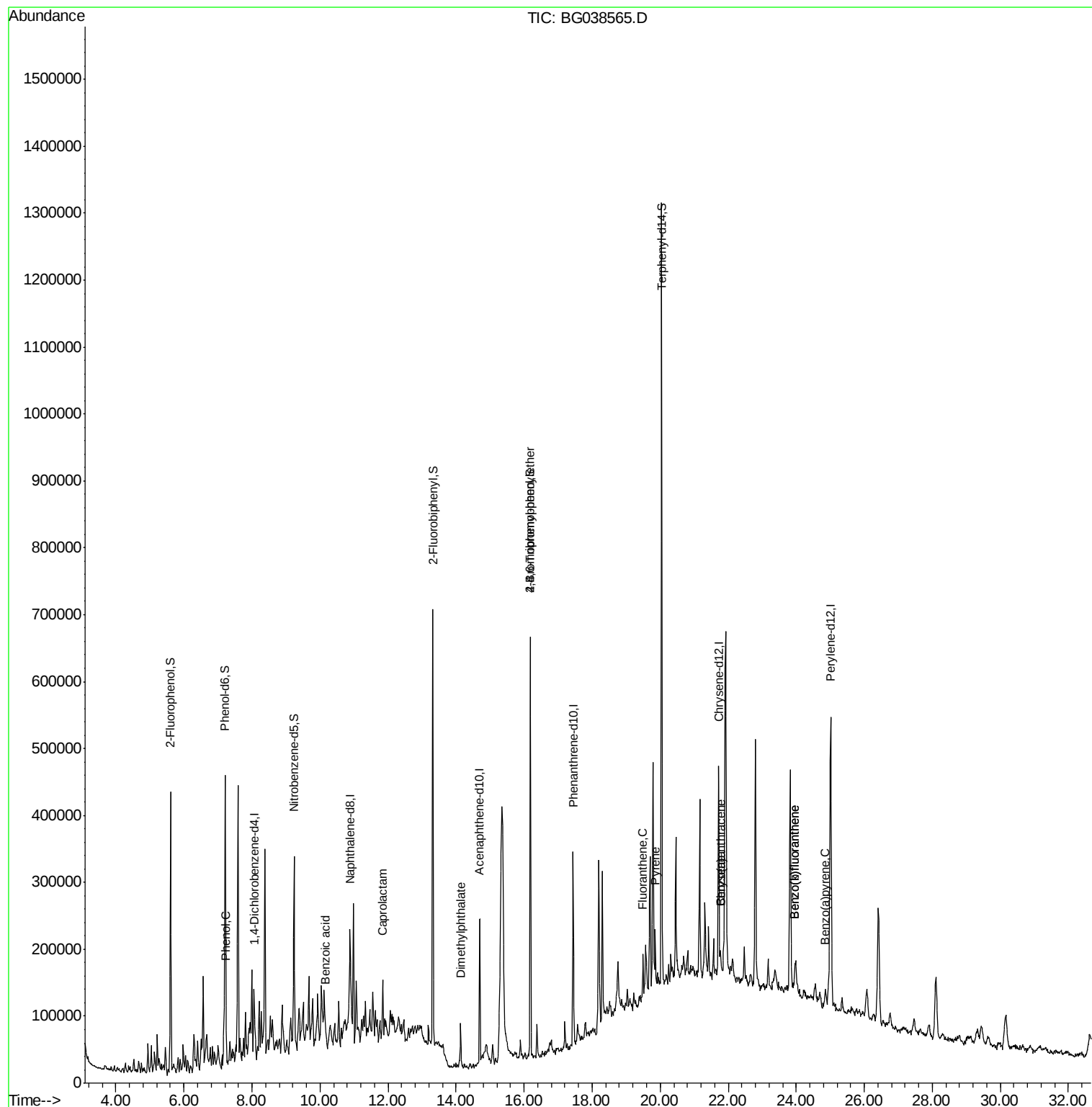
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	26326	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	106459	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	77021	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	177975	20.00	ng	0.00
76) Chrysene-d12	21.72	240	179876	20.00	ng	0.00
87) Perylene-d12	25.02	264	199030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	171224	115.36	ng	0.00
7) Phenol-d6	7.21	99	228482	112.13	ng	0.00
23) Nitrobenzene-d5	9.23	82	143706	68.96	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	117002	110.22	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	342742	61.05	ng	0.00
79) Terphenyl-d14	20.04	244	561562	67.94	ng	0.00
Target Compounds						
10) Phenol	7.24	94	16267	7.514	ng	95
32) Benzoic acid	10.16	122	442	10.519	ng	# 37
35) Caprolactam	11.85	113	3442	4.835	ng	# 27
50) Dimethylphthalate	14.14	163	32655	5.192	ng	98
67) 4-Bromophenyl-phenylether	16.18	248	7784	3.581	ng	# 1
75) Fluoranthene	19.49	202	43163	3.780	ng	98
78) Pyrene	19.86	202	52921	4.453	ng	95
81) Benzo(a)anthracene	21.77	228	22003	2.007	ng	93
83) Chrysene	21.77	228	22003	2.084	ng	97
88) Benzo(b)fluoranthene	23.96	252	26539	2.429	ng	# 80
89) Benzo(k)fluoranthene	23.96	252	26539	2.439	ng	# 82
90) Benzo(a)pyrene	24.86	252	24254	2.301	ng	# 92

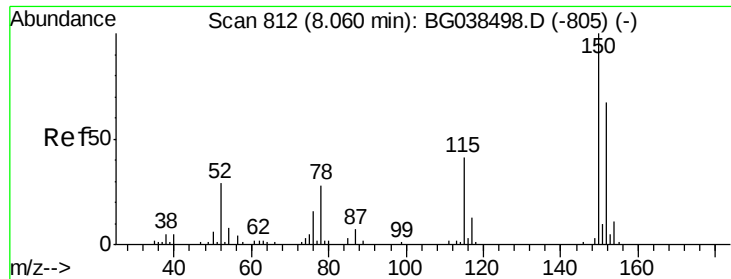
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038565.D
Acq On : 14 Dec 2018 12:28
Operator : JU/SJ
Sample : J6329-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
071-PIPE-1

Quant Time: Dec 14 13:21:56 2018
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



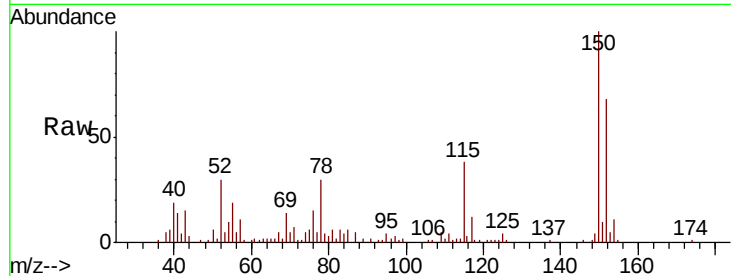


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Instrument :
BNA_G
ClientSampleId :
071-PIPE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.0	119.5	179.3
115	56.1	49.6	74.4

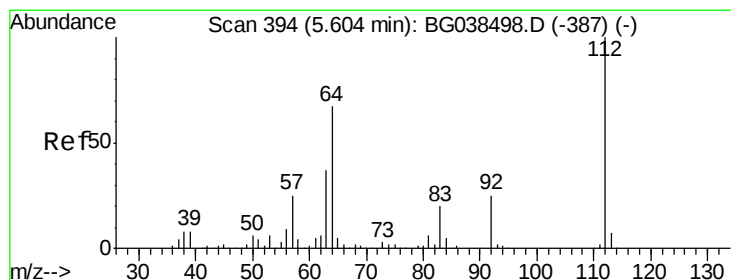
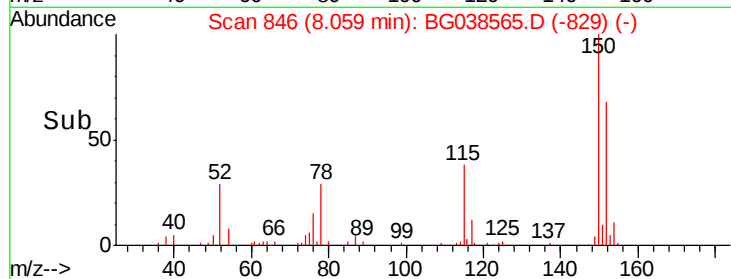
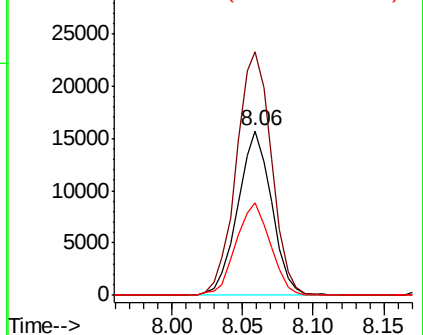


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

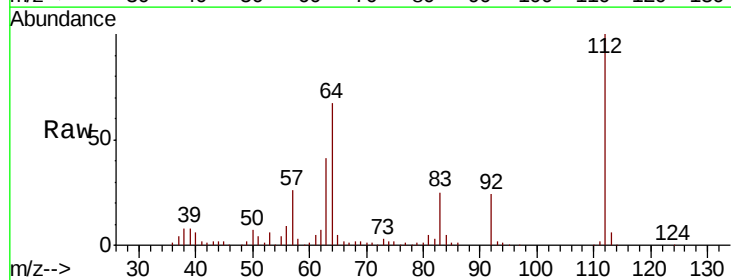
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.358 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	40.7	29.3	43.9

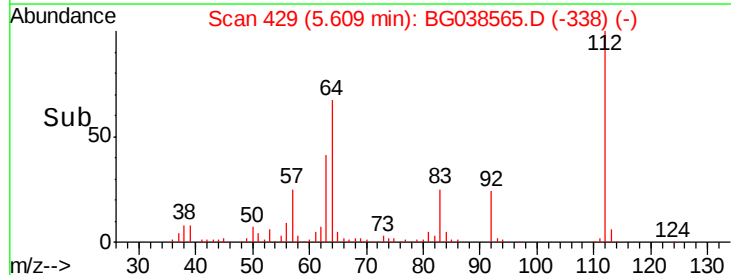
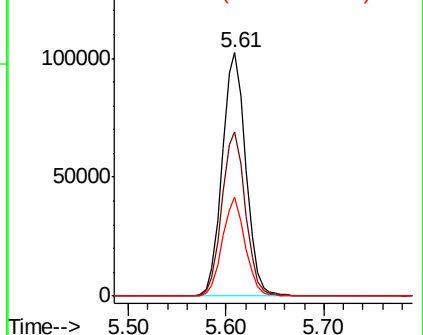


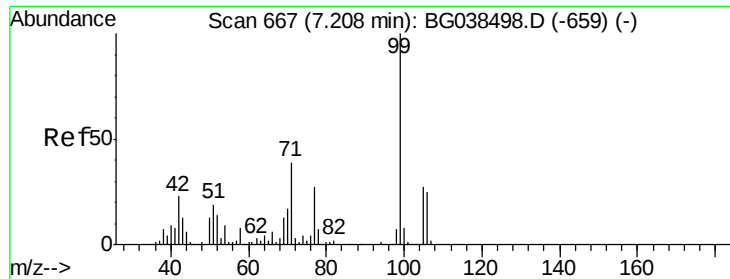
Abundance

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: 112.131 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

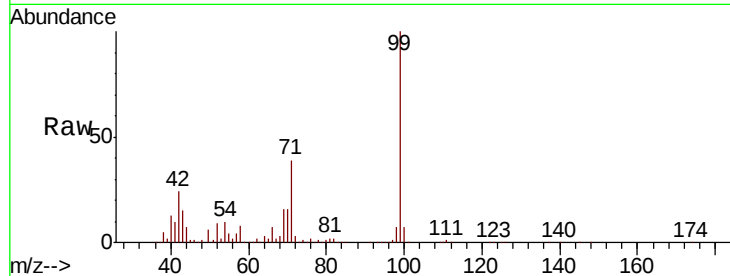
Tot Ion: 99 Resp: 228482

Ion Ratio Lower Upper

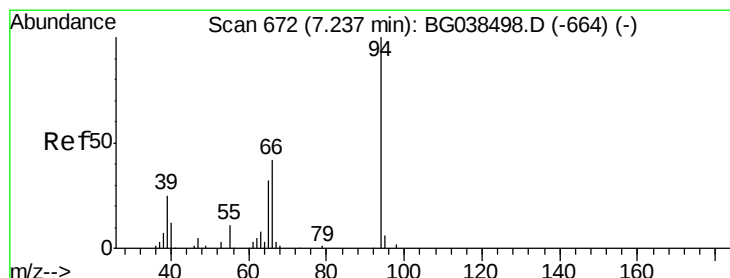
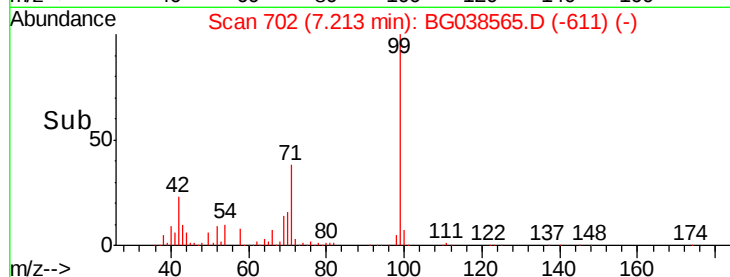
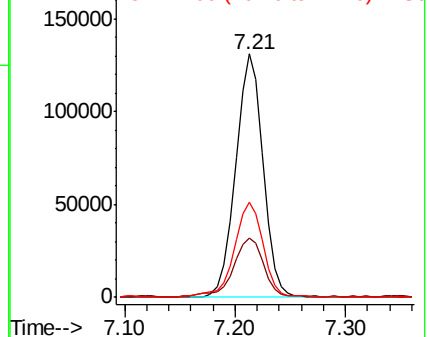
99 100

42 24.2 18.5 27.7

71 39.2 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: 7.514 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

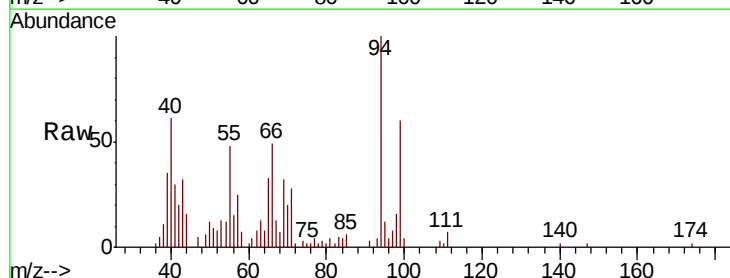
Tgt Ion: 94 Resp: 16267

Ion Ratio Lower Upper

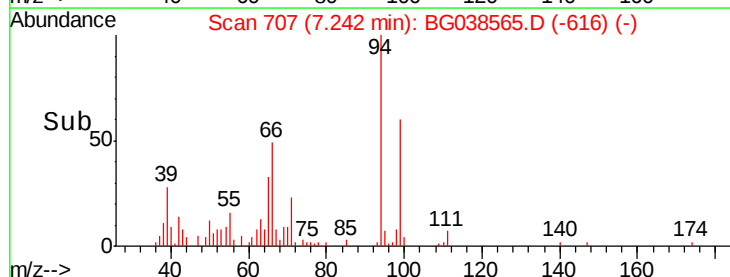
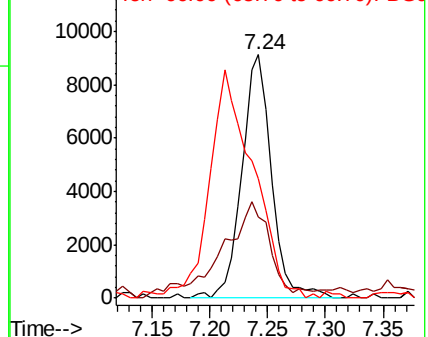
94 100

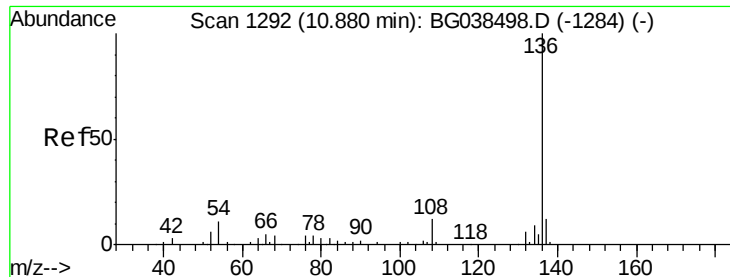
65 33.2 12.6 52.6

66 49.2 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

Tot Ion:136 Resp: 106459

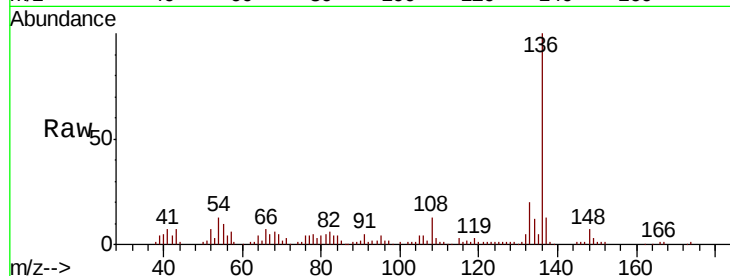
Ion Ratio Lower Upper

136 100

137 13.0 9.3 13.9

54 13.3 8.5 12.7#

68 6.3 3.5 5.3#

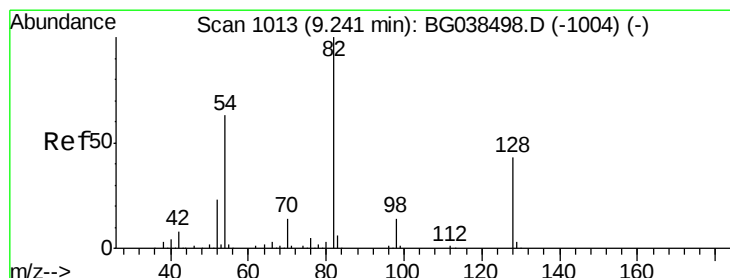
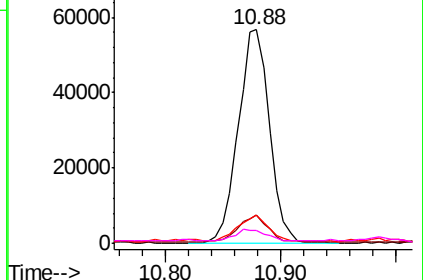
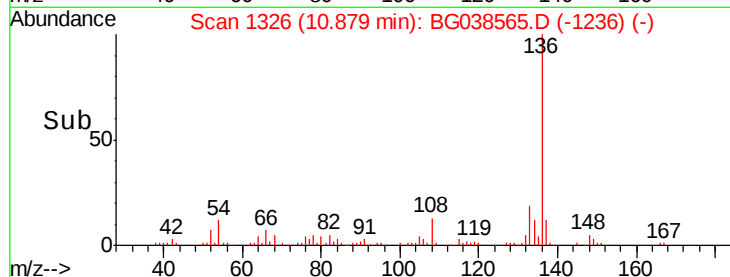


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.961 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

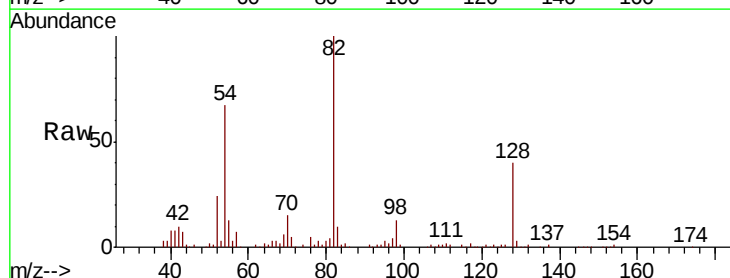
Tgt Ion: 82 Resp: 143706

Ion Ratio Lower Upper

82 100

128 39.7 34.6 52.0

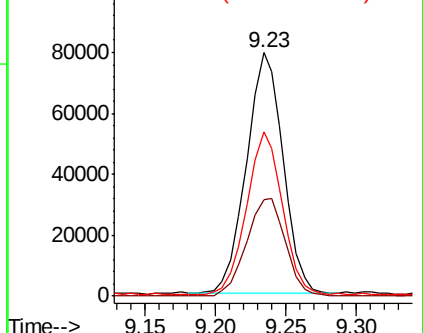
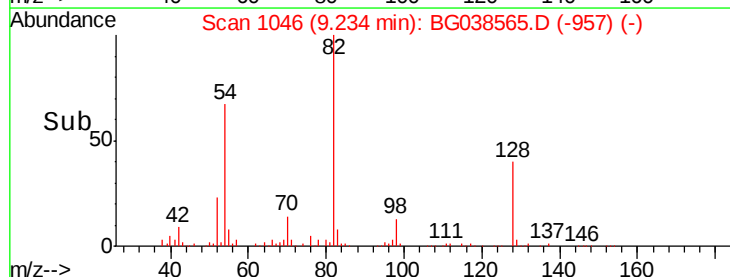
54 67.4 50.6 76.0

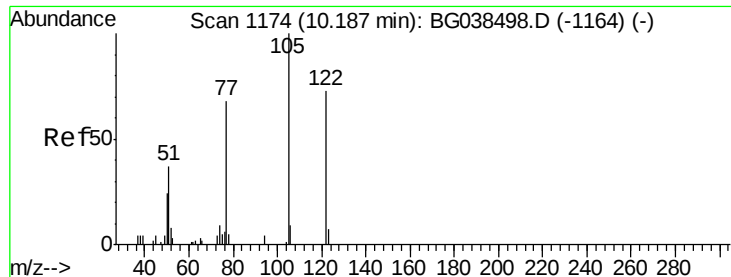


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 10.519 ng

RT: 10.16 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

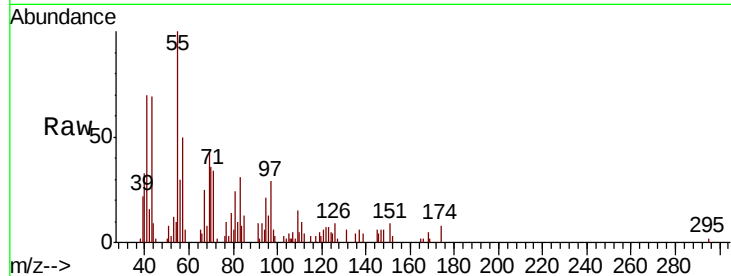
Tot Ion:122 Resp: 442

Ion Ratio Lower Upper

122 100

105 57.4 116.7 156.7#

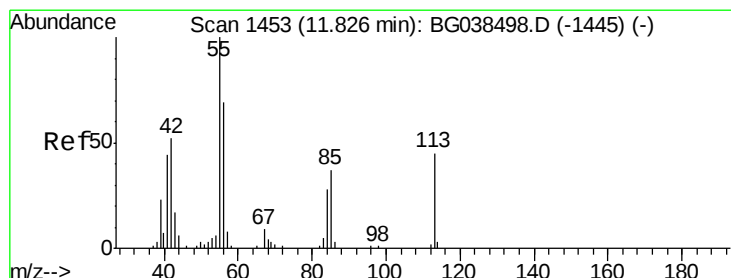
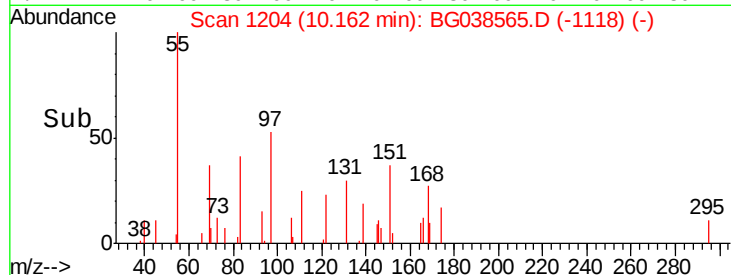
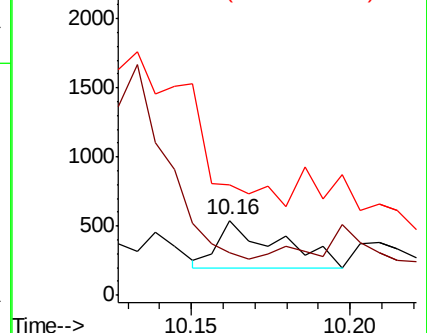
77 148.7 72.5 112.5#



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



#35

Caprolactam

Concen: 4.835 ng

RT: 11.85 min Scan# 1492

Delta R.T. 0.03 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

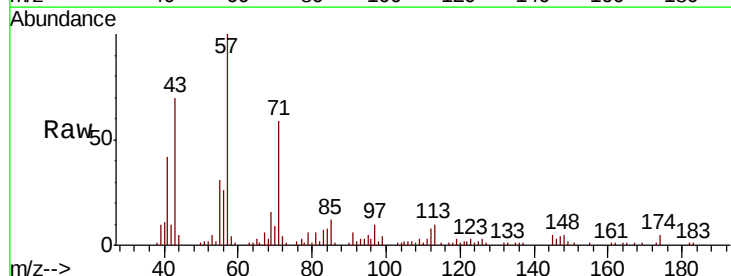
Tgt Ion:113 Resp: 3442

Ion Ratio Lower Upper

113 100

55 323.6 204.3 244.3#

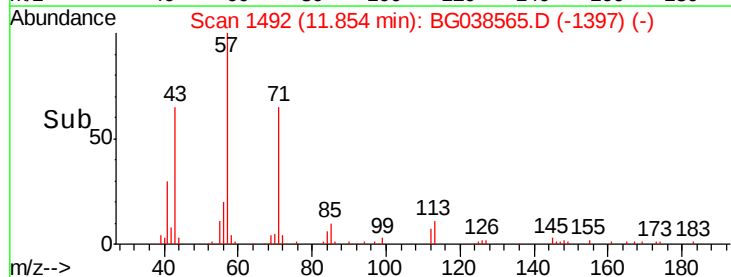
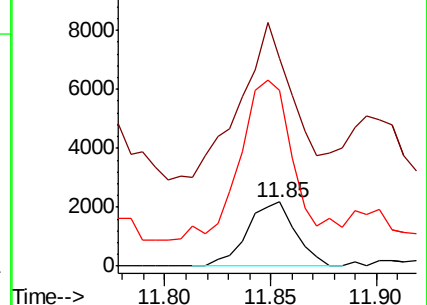
56 273.0 135.0 175.0#

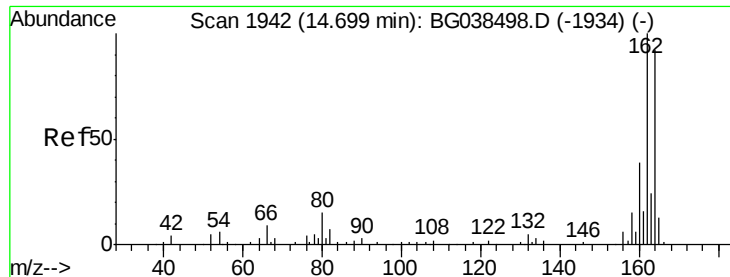


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

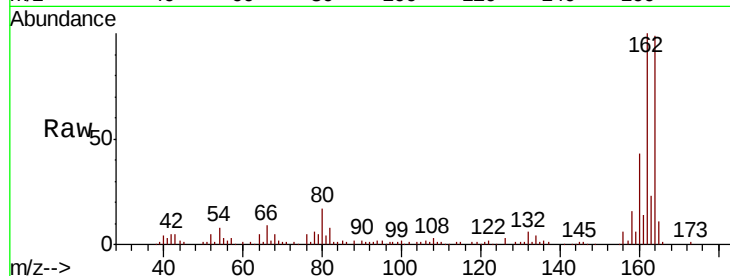
Tot Ion:164 Resp: 77021

Ion Ratio Lower Upper

164 100

162 100.7 86.6 130.0

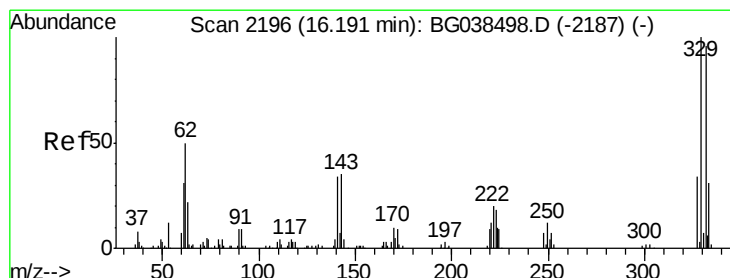
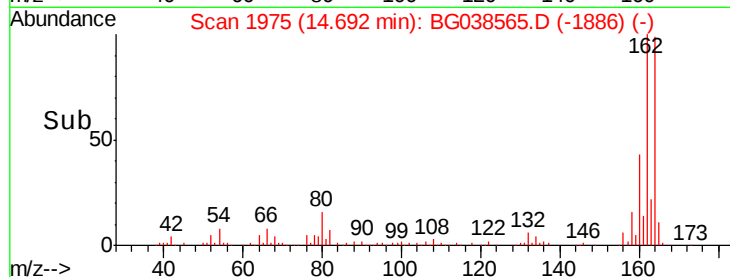
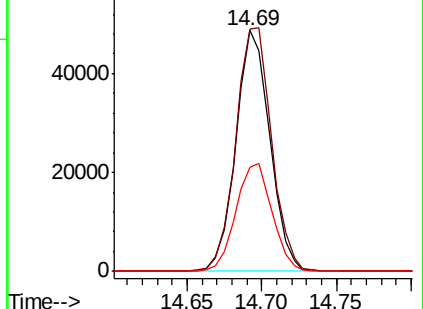
160 43.5 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 110.225 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

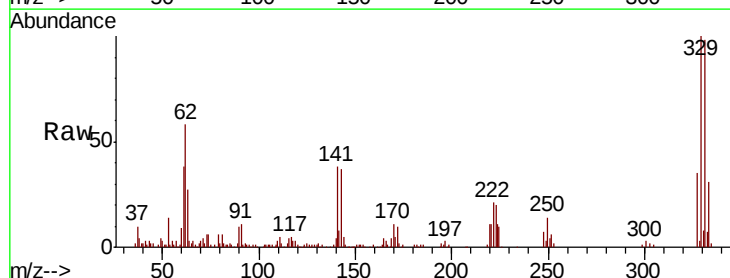
Tgt Ion:330 Resp: 117002

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

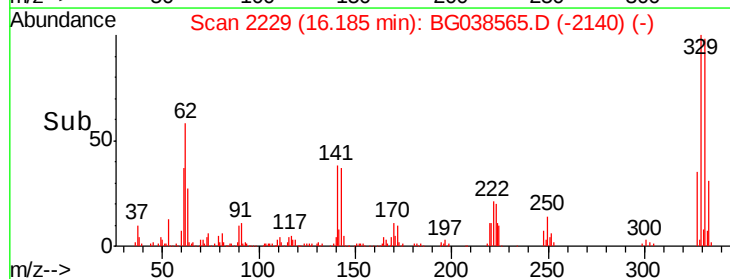
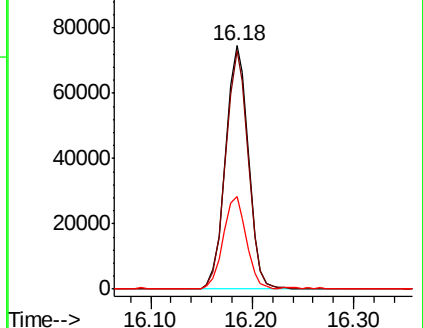
141 38.6 28.8 43.2

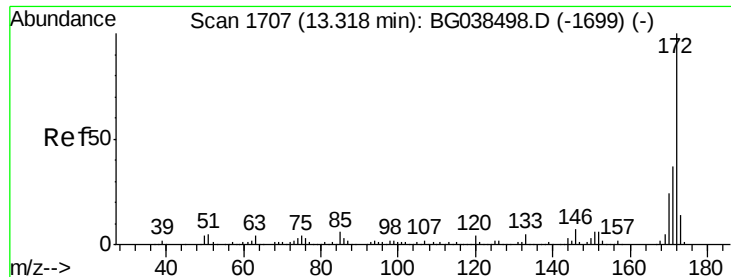


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

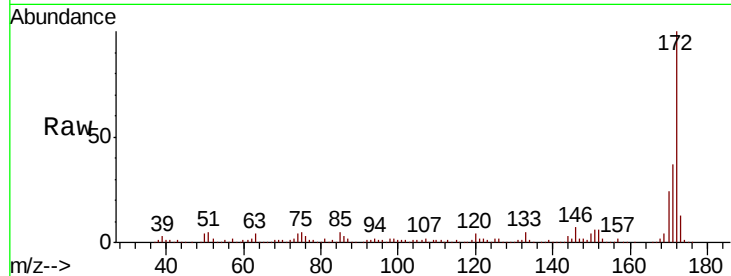




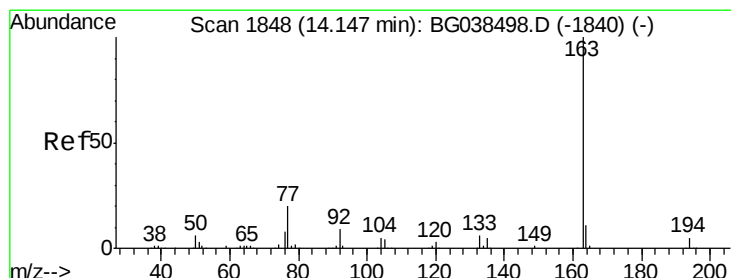
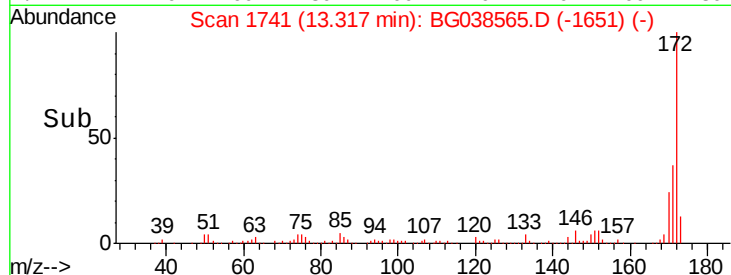
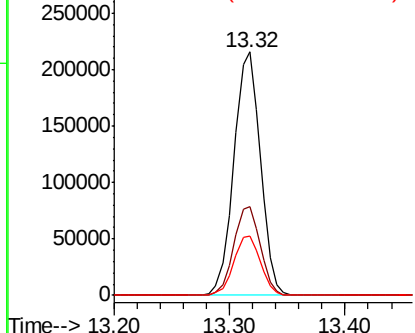
#45
2-Fluorobiphenyl
Concen: 61.047 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Instrument :
BNA_G
ClientSampleId :
071-PIPE-1

Tot Ion:172 Resp: 342742
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.5 19.5 29.3

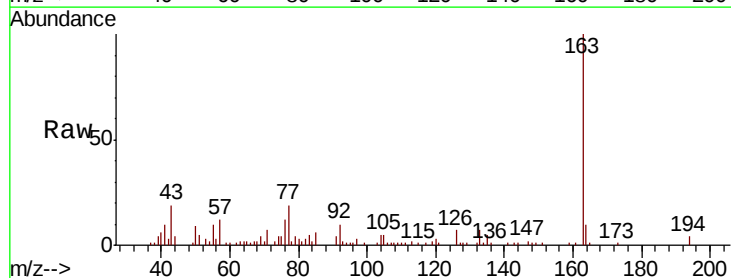


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

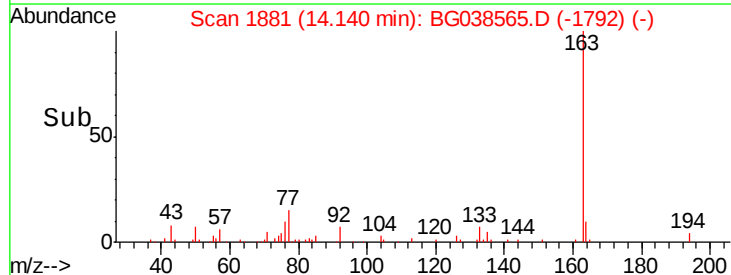
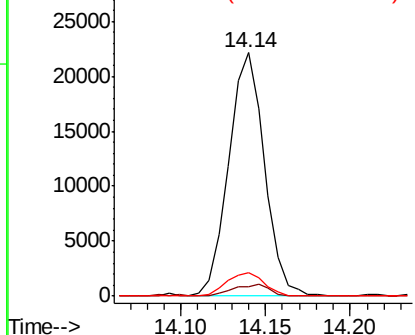


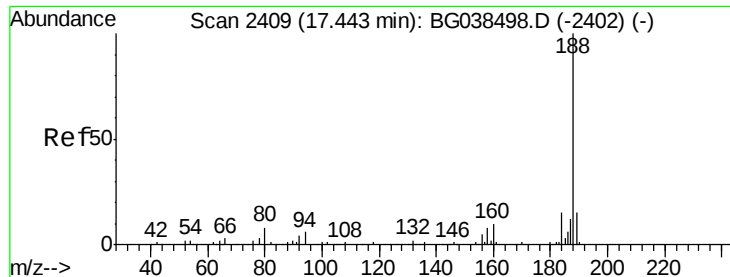
#50
Dimethylphthalate
Concen: 5.192 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Tgt Ion:163 Resp: 32655
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 9.7 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

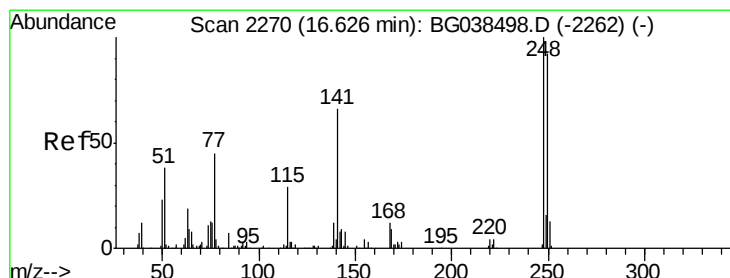
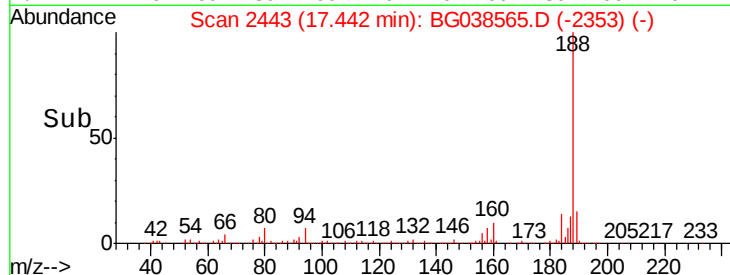
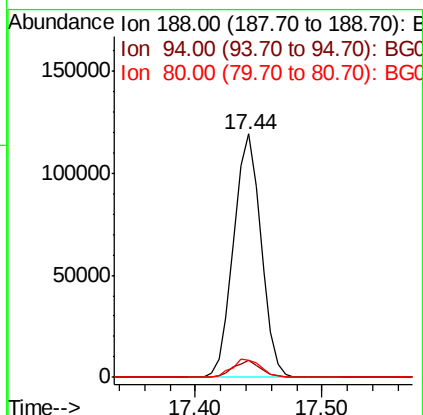
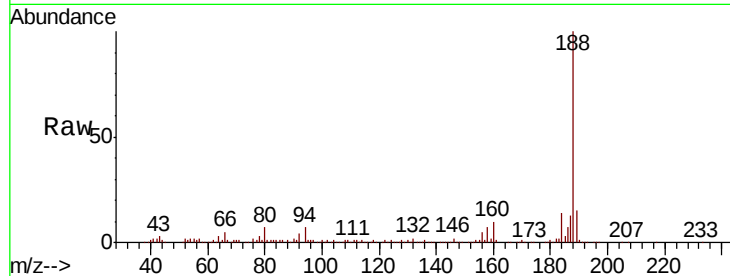




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038565.D
 Acq: 14 Dec 2018 12:28

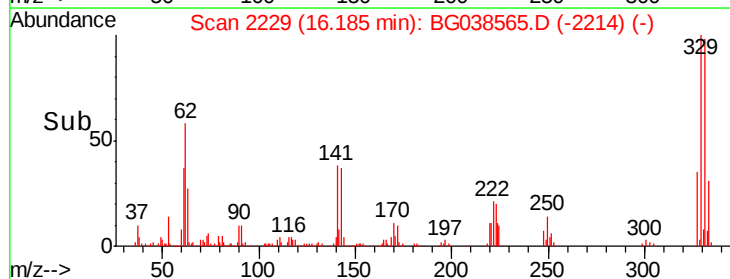
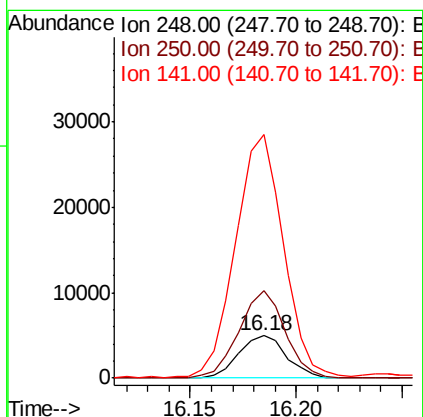
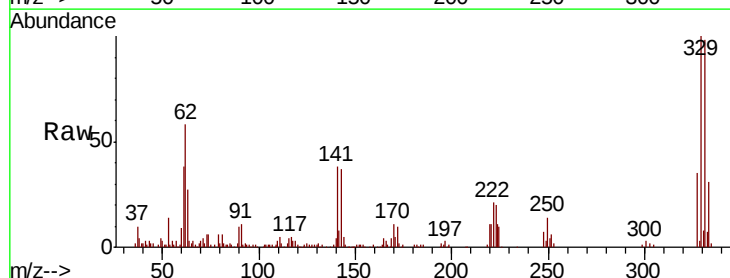
Instrument :
 BNA_G
 ClientSampleId :
 071-PIPE-1

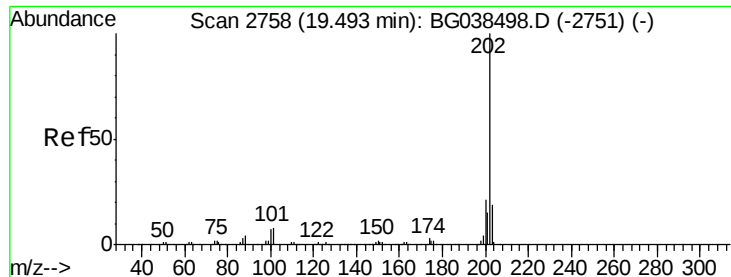
Tot Ion:188 Resp: 177975
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.1 7.7
 80 7.2 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.581 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038565.D
 Acq: 14 Dec 2018 12:28

Tgt Ion:248 Resp: 7784
 Ion Ratio Lower Upper
 248 100
 250 193.5 73.4 110.2#
 141 417.9 52.9 79.3#





#75

Fluoranthene

Concen: 3.780 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

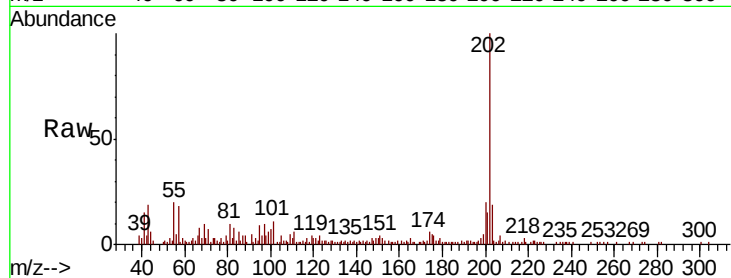
Tot Ion:202 Resp: 43163

Ion Ratio Lower Upper

202 100

101 10.7 0.0 28.1

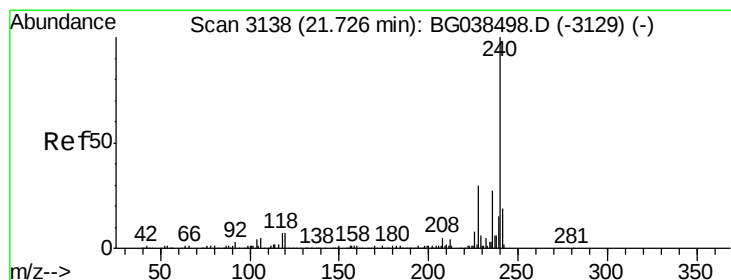
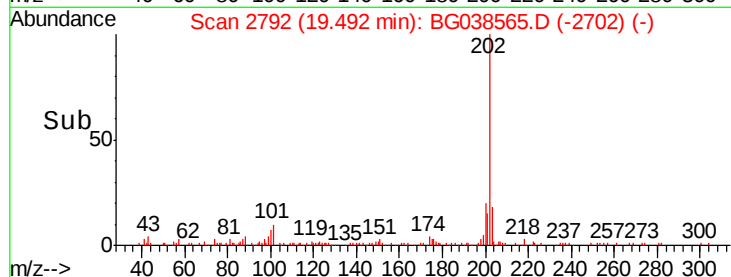
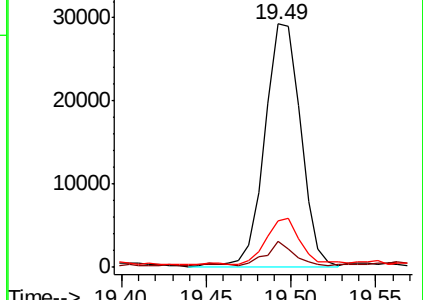
203 19.2 0.0 39.0



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: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

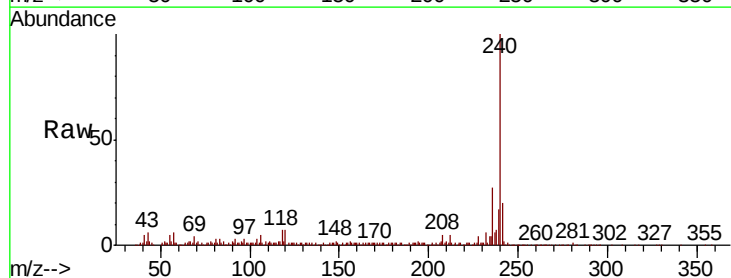
Tgt Ion:240 Resp: 179876

Ion Ratio Lower Upper

240 100

120 7.3 5.3 7.9

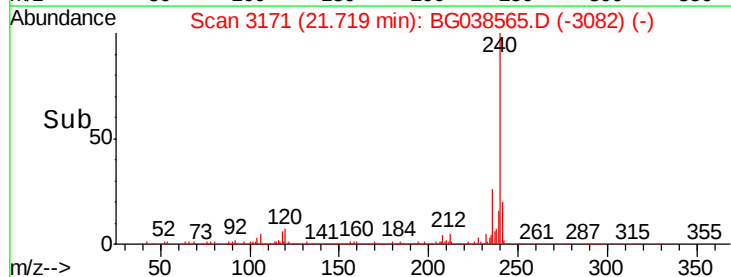
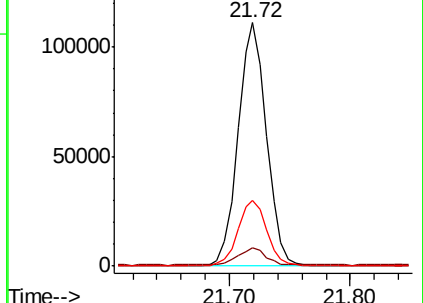
236 26.8 21.4 32.2

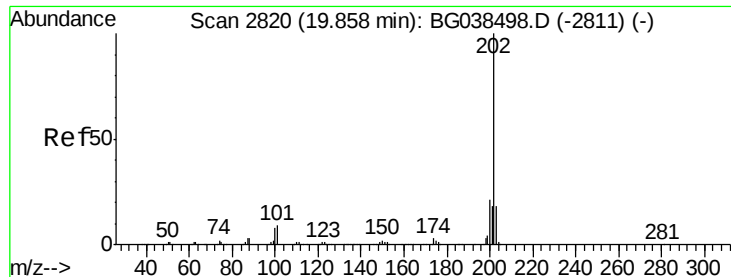


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.453 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

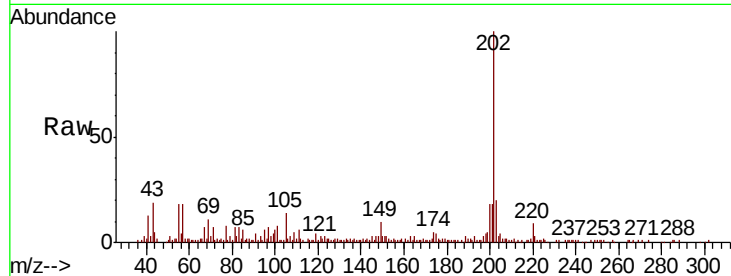
Tot Ion:202 Resp: 52921

Ion Ratio Lower Upper

202 100

200 18.3 16.6 25.0

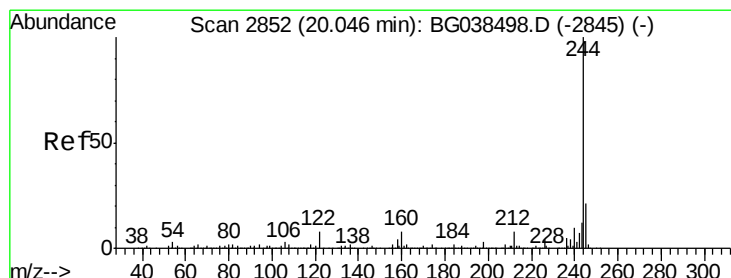
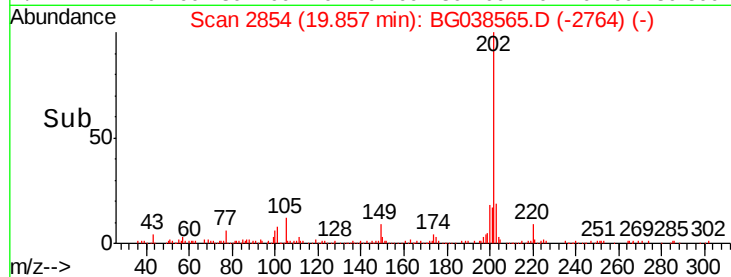
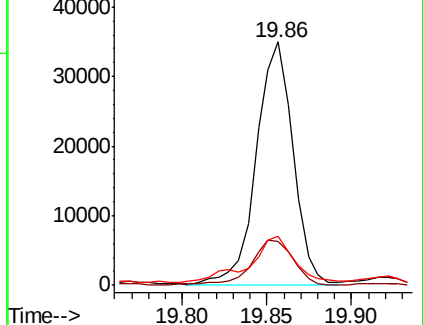
203 20.0 14.6 21.8



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: 67.944 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

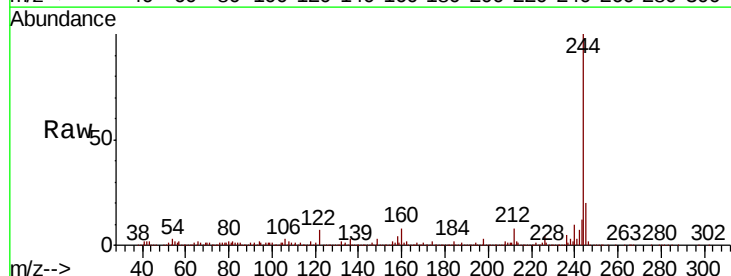
Tgt Ion:244 Resp: 561562

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

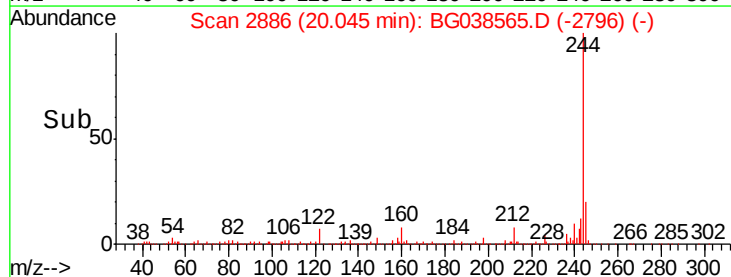
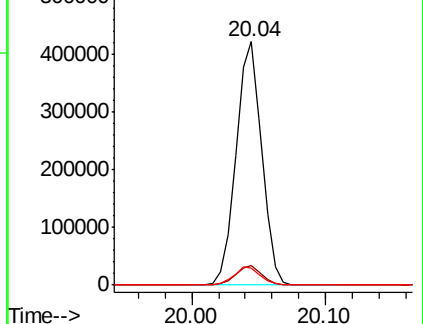
122 6.8 6.3 9.5

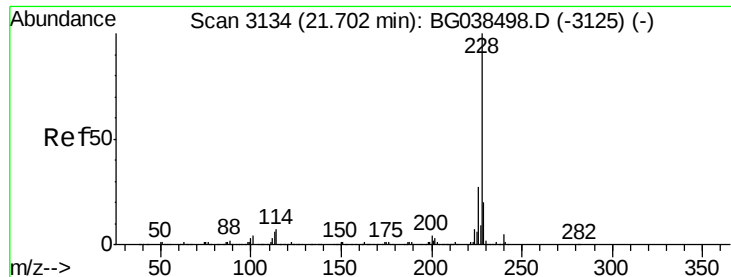


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.007 ng

RT: 21.77 min Scan# 3179

Delta R.T. 0.06 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

Instrument :

BNA_G

ClientSampleId :

071-PIPE-1

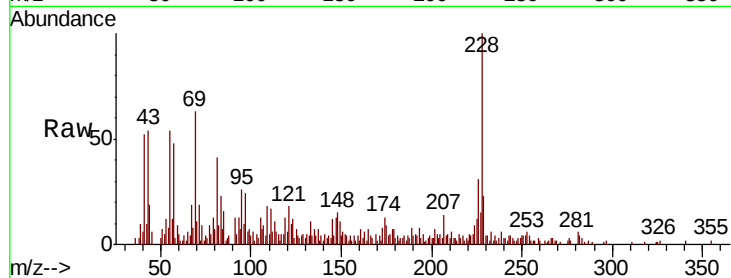
Tot Ion:228 Resp: 22003

Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

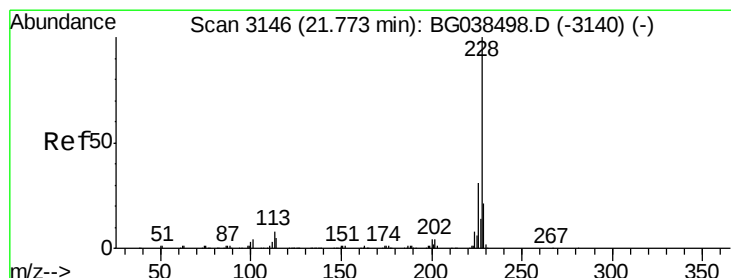
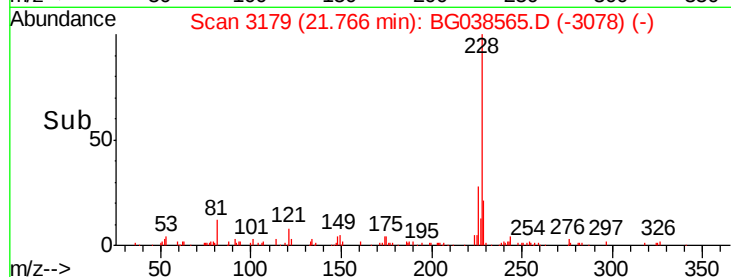
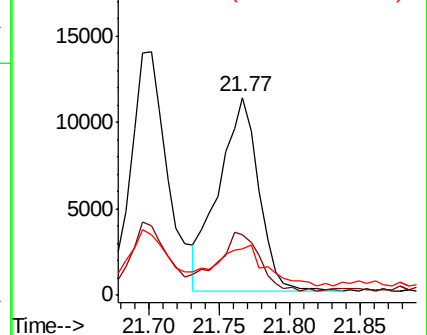
229 23.4 15.8 23.6



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: 2.084 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BG038565.D

Acq: 14 Dec 2018 12:28

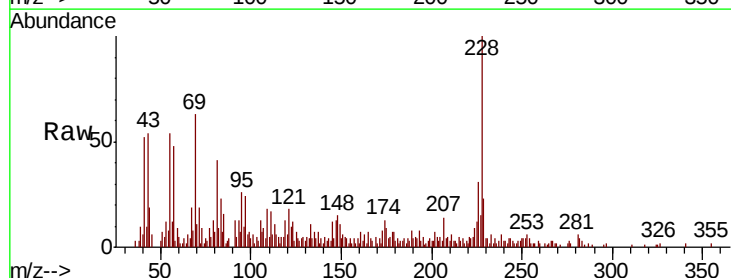
Tgt Ion:228 Resp: 22003

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

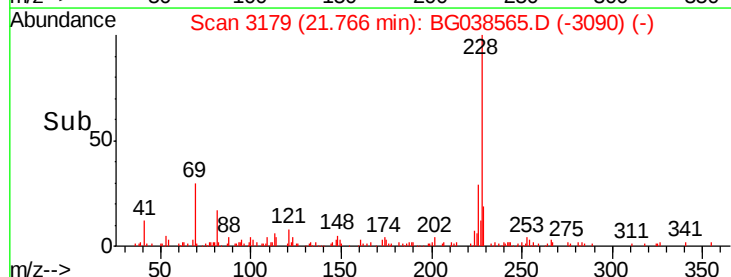
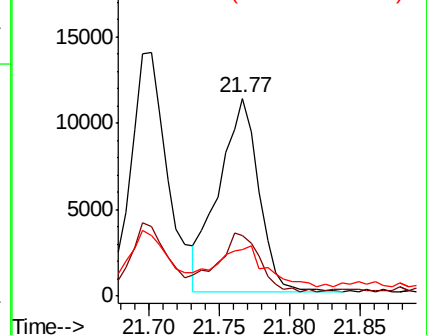
229 23.4 16.5 24.7

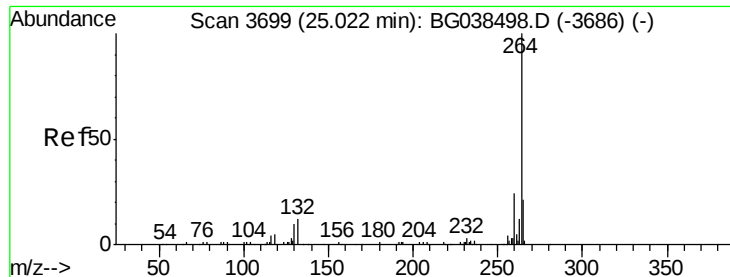


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



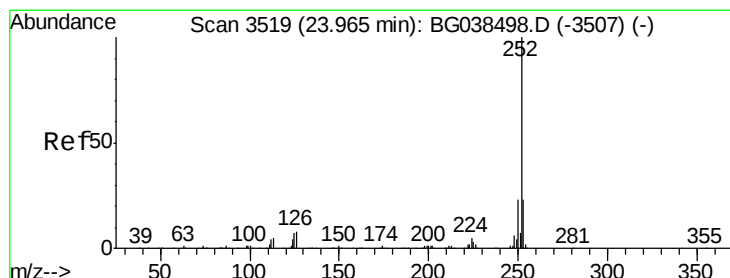
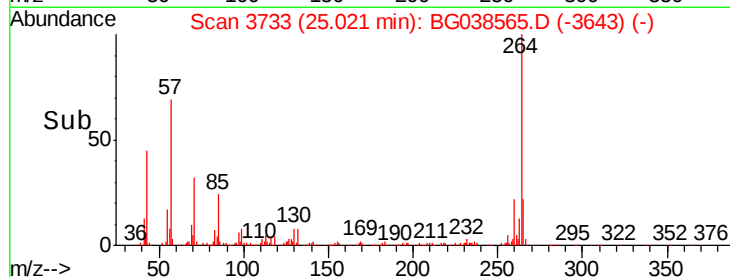
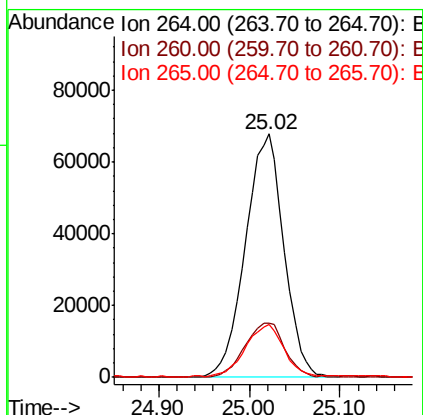
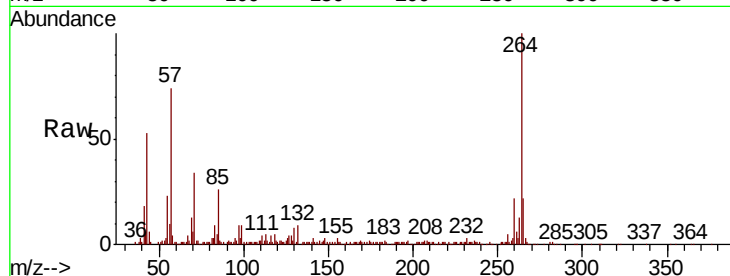


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.00 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Instrument :
BNA_G
ClientSampleId :
071-PIPE-1

Tot Ion:264 Resp: 199030

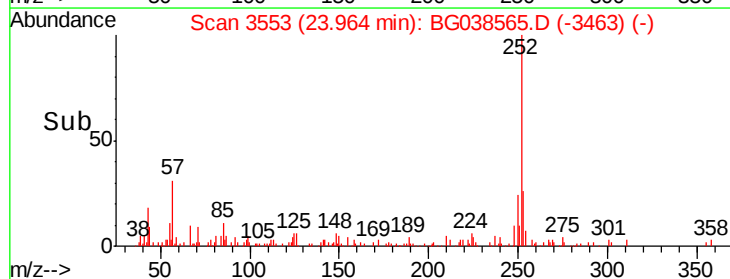
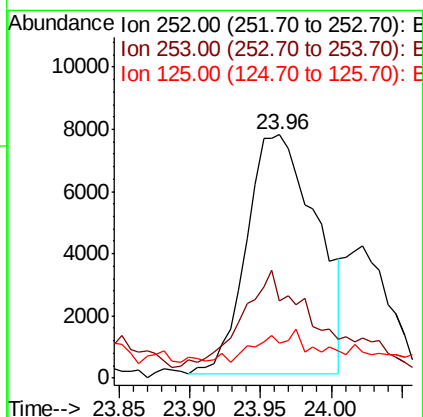
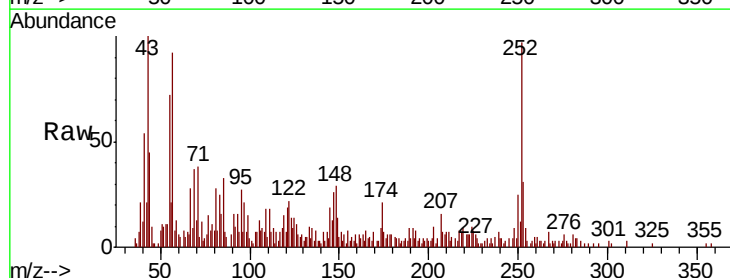
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	21.9	17.0	25.4

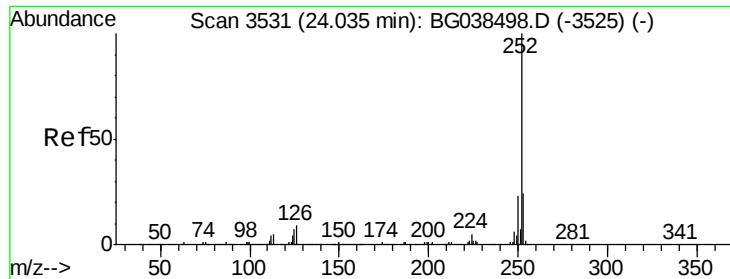


#88
Benzo(b)fluoranthene
Concen: 2.429 ng
RT: 23.96 min Scan# 3553
Delta R.T. -0.00 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Tgt Ion:252 Resp: 26539

Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.1	27.1#
125	14.5	5.5	8.3#

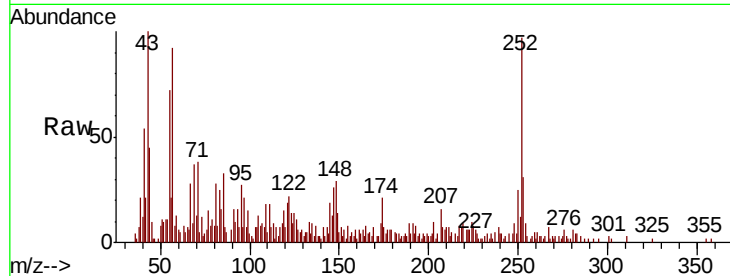




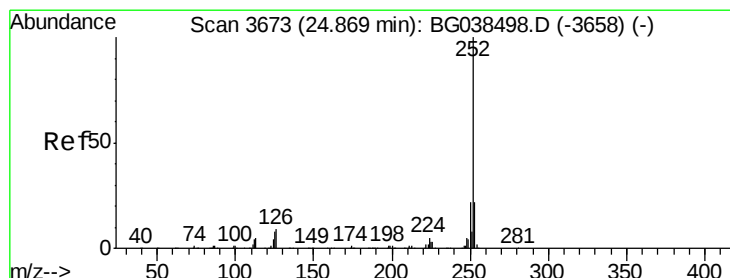
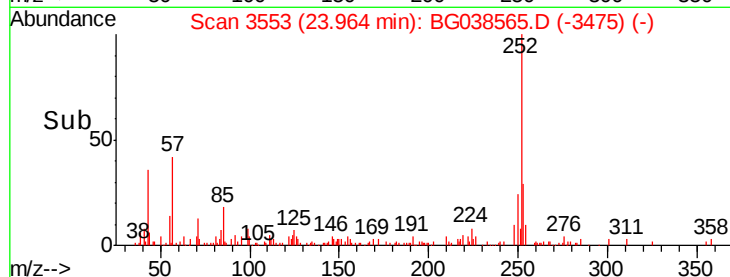
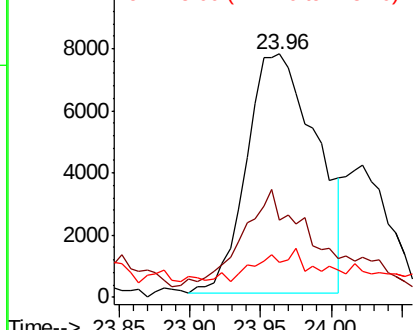
#89
Benzo(k)fluoranthene
Concen: 2.439 ng
RT: 23.96 min Scan# 3553
Delta R.T. -0.07 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Instrument :
BNA_G
ClientSampleId :
071-PIPE-1

Tot Ion:252 Resp: 26539
Ion Ratio Lower Upper
252 100
253 31.8 18.9 28.3#
125 14.5 5.4 8.2#

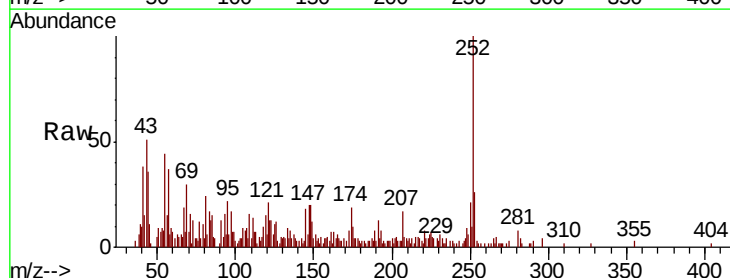


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.301 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG038565.D
Acq: 14 Dec 2018 12:28

Tgt Ion:252 Resp: 24254
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 10.7 6.4 9.6#



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

