

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038567.D
 Acq On : 14 Dec 2018 13:47
 Operator : JU/SJ
 Sample : J6319-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

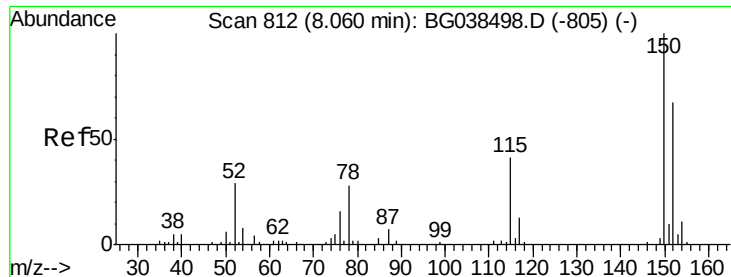
Quant Time: Dec 14 15:26:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	29315	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	120990	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	84423	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	191035	20.00	ng	0.00
76) Chrysene-d12	21.72	240	186518	20.00	ng	0.00
87) Perylene-d12	25.02	264	205752	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	120708	73.03	ng	0.00
7) Phenol-d6	7.22	99	168697	74.35	ng	0.00
23) Nitrobenzene-d5	9.24	82	111647	47.14	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	78722	67.66	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	250677	40.73	ng	0.00
79) Terphenyl-d14	20.04	244	379543	44.29	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	7.19	77	9535	6.478	ng	# 44
10) Phenol	7.24	94	10802	4.481	ng	72
15) Benzyl Alcohol	8.33	79	5660	3.196	ng	# 59
17) 2-Methylphenol	8.52	107	4119	2.550	ng	# 1
18) Hexachloroethane	9.17	117	182338	215.439	ng	# 1
19) n-Nitroso-di-n-propylamine	8.90	70	5160	3.238	ng	# 86
22) Acetophenone	8.85	105	19485	6.448	ng	# 54
24) Nitrobenzene	9.25	77	34467	14.386	ng	# 15
25) Isophorone	9.78	82	22098	5.193	ng	# 1
28) bis(2-Chloroethoxy)methane	10.28	93	6036	2.514	ng	# 1
31) Naphthalene	10.92	128	34502	5.788	ng	# 1
32) Benzoic acid	10.17	122	806	10.733	ng	# 1
35) Caprolactam	11.85	113	7405	9.152	ng	# 1
37) 2-Methylnaphthalene	12.75	142	142174	33.430	ng	96
38) 1-Methylnaphthalene	12.75	142	142174	34.451	ng	99
50) Dimethylphthalate	14.14	163	24221	3.513	ng	98
67) 4-Bromophenyl-phenylether	16.18	248	5149	2.207	ng	# 1
71) Phenanthrene	17.49	178	59111	5.967	ng	98
75) Fluoranthene	19.49	202	91345	7.452	ng	96
78) Pvrene	19.85	202	93906	7.621	ng	97
81) Benzo(a)anthracene	21.70	228	51457	4.527	ng	97
83) Chrysene	21.77	228	45528	4.159	ng	98
86) Indeno(1,2,3-cd)pyrene	28.79	276	44170	3.432	ng	# 96
88) Benzo(b)fluoranthene	23.96	252	74880	6.629	ng	99
89) Benzo(k)fluoranthene	23.96	252	74880	6.657	ng	99
90) Benzo(a)pyrene	24.71	252	39088	3.587	ng	96
92) Benzo(g,h,i)perylene	29.97	276	44000	4.115	ng	94

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

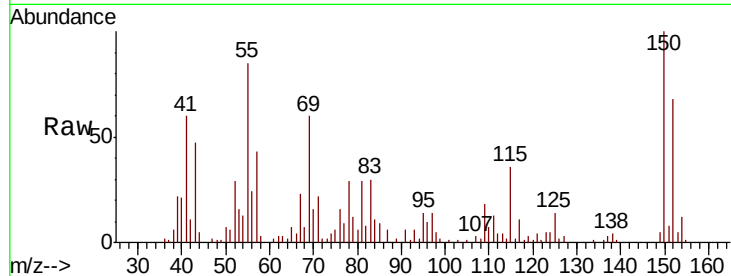


#1

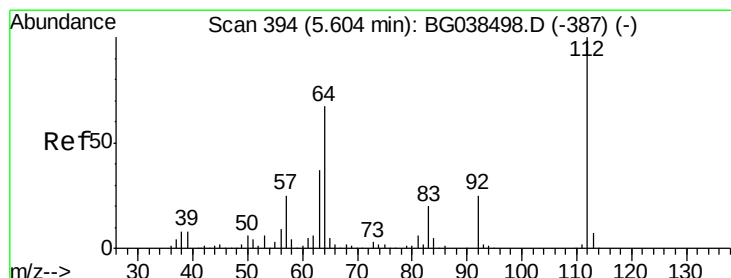
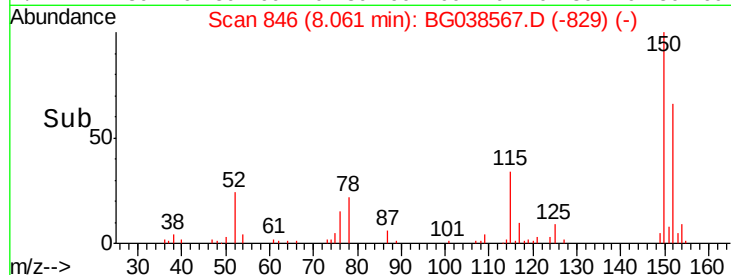
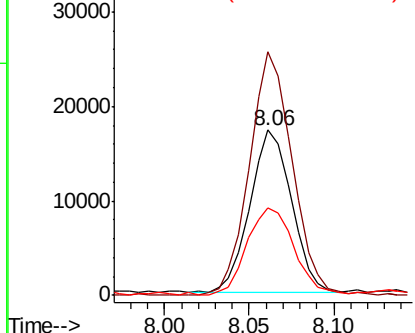
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	119.5	179.3
115	53.1	49.6	74.4



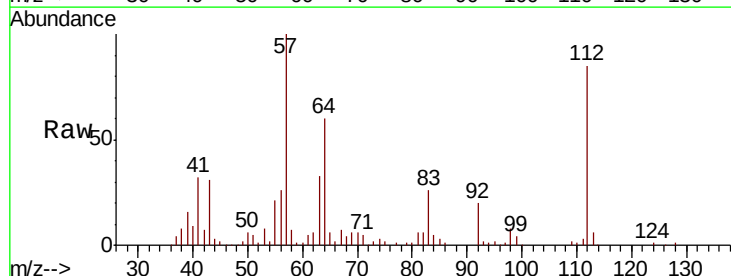
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



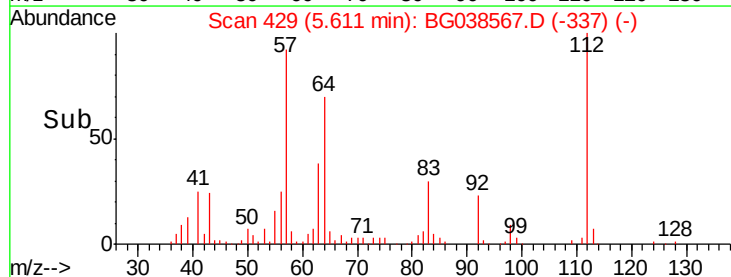
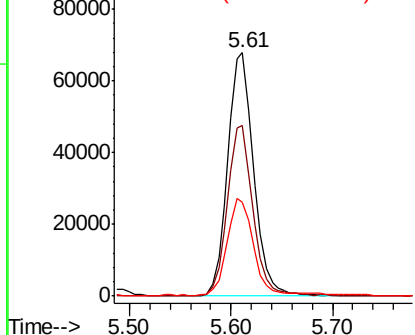
#5

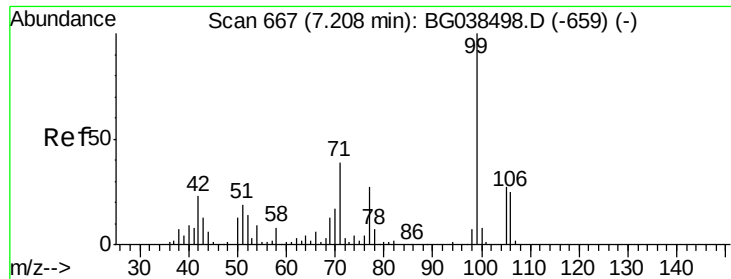
2-Fluorophenol
Concen: 73.032 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.4	80.2
63	38.3	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: 74.349 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

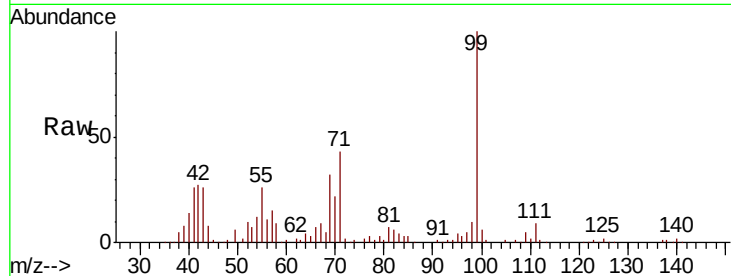
Tot Ion: 99 Resp: 168697

Ion Ratio Lower Upper

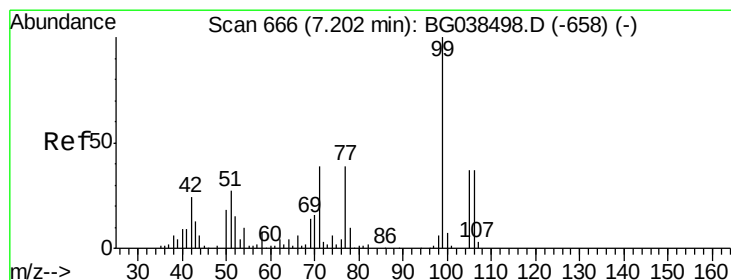
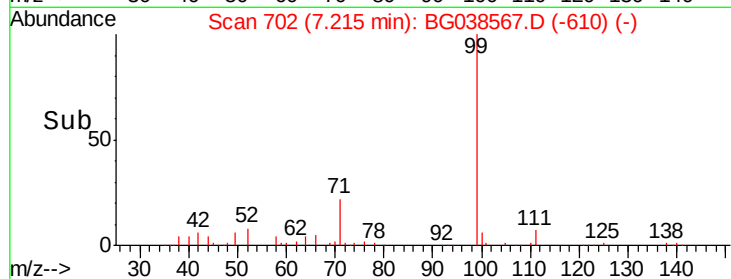
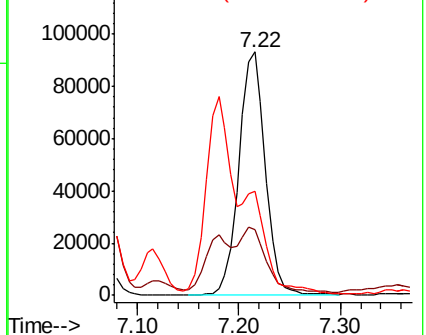
99 100

42 26.8 18.5 27.7

71 42.6 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



#9

Benzaldehyde

Concen: 6.478 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

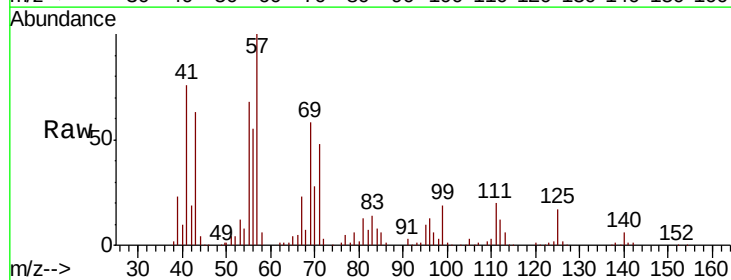
Tgt Ion: 77 Resp: 9535

Ion Ratio Lower Upper

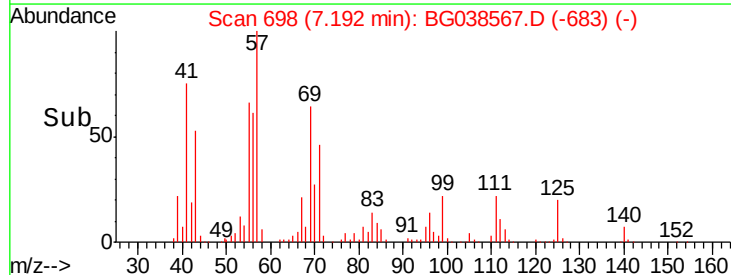
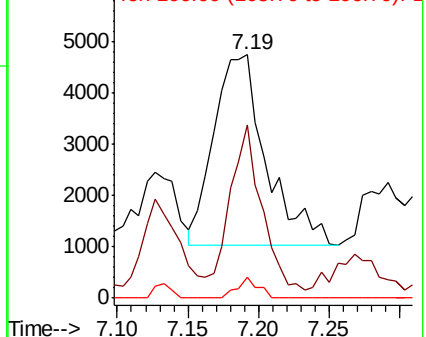
77 100

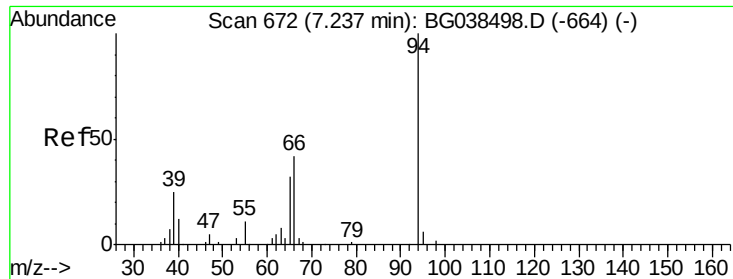
105 71.2 74.0 114.0#

106 8.7 73.9 113.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 4.481 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampled :

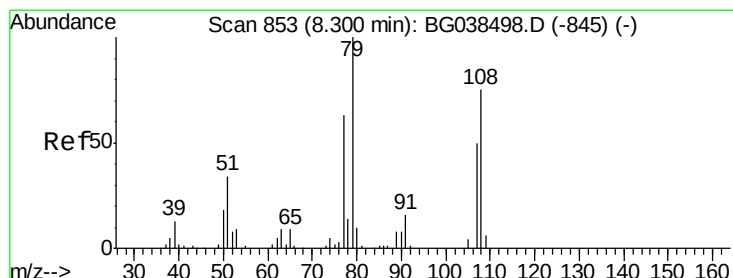
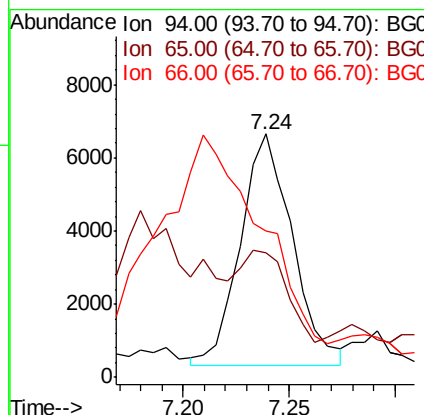
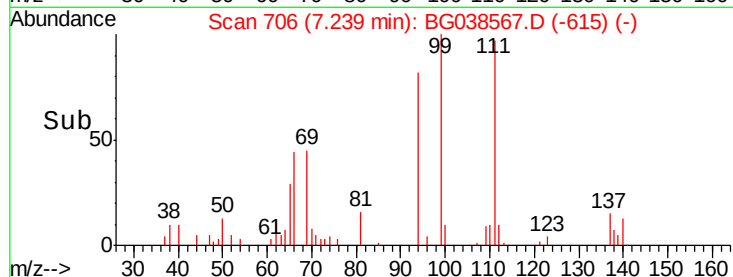
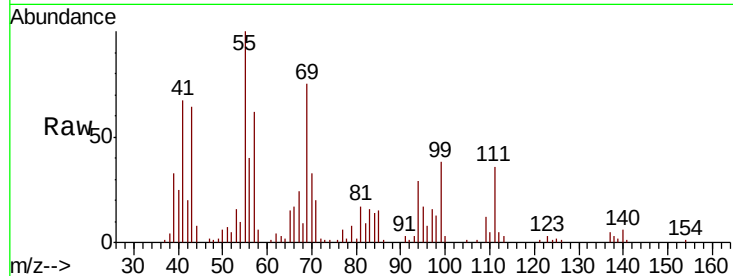
Tot Ion: 94 Resp: 10802

Ion Ratio Lower Upper

94 100

65 51.1 12.6 52.6

66 59.9 24.1 64.1



#15

Benzyl Alcohol

Concen: 3.196 ng

RT: 8.33 min Scan# 891

Delta R.T. 0.03 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

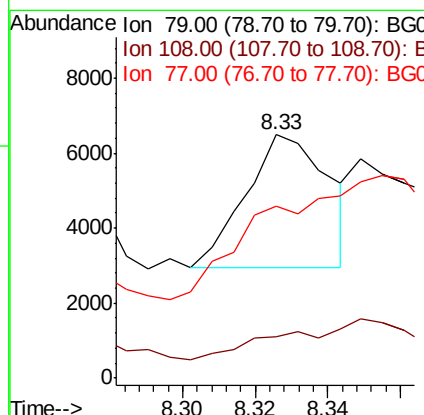
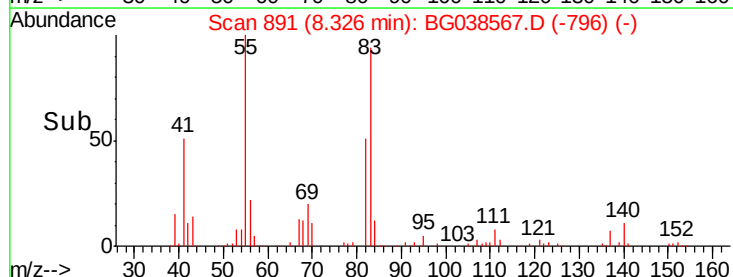
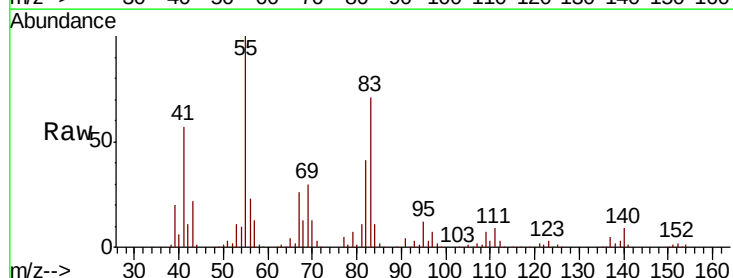
Tgt Ion: 79 Resp: 5660

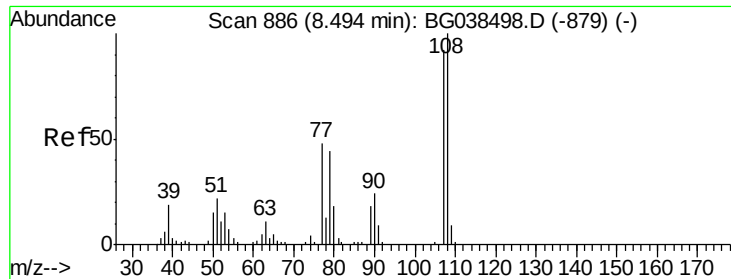
Ion Ratio Lower Upper

79 100

108 16.8 60.2 90.4#

77 70.7 50.7 76.1





#17

2-Methylphenol

Concen: 2.550 ng

RT: 8.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 4119

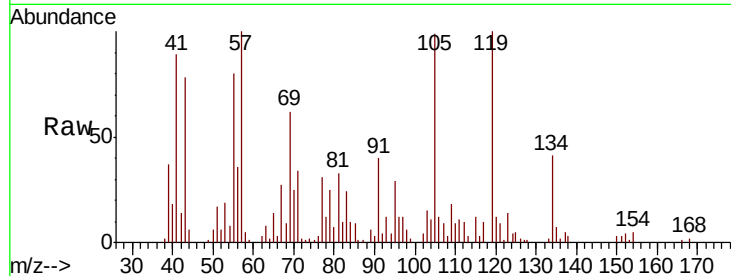
Ion Ratio Lower Upper

107 100

108 30.7 87.1 130.7#

77 351.8 42.0 63.0#

79 279.8 38.2 57.2#

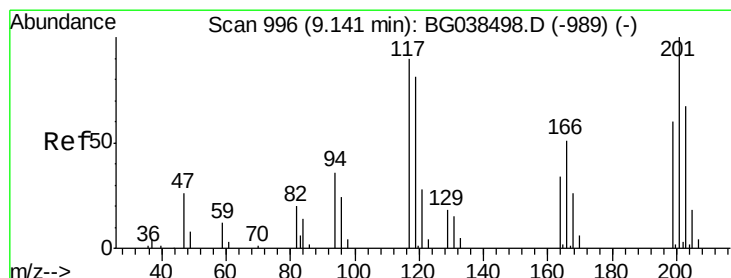
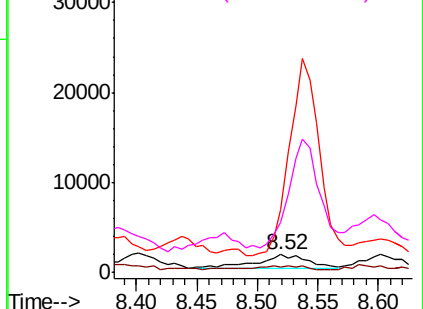
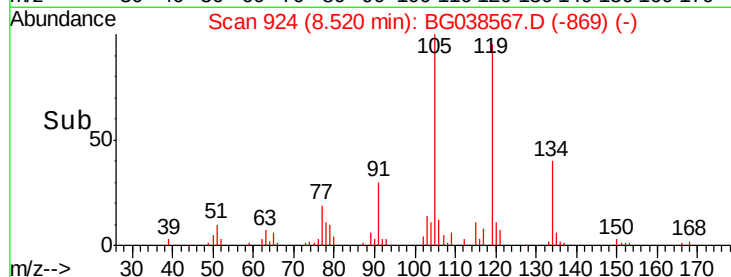


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 215.439 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.03 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

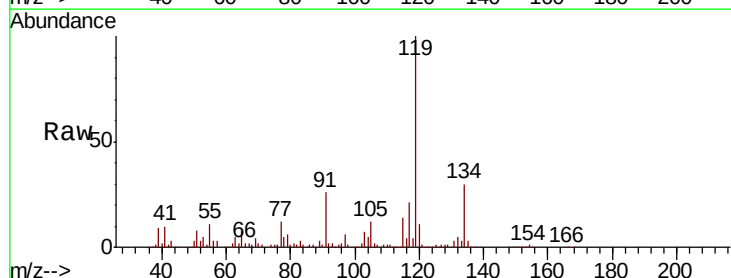
Tgt Ion:117 Resp: 182338

Ion Ratio Lower Upper

117 100

119 473.5 73.8 110.8#

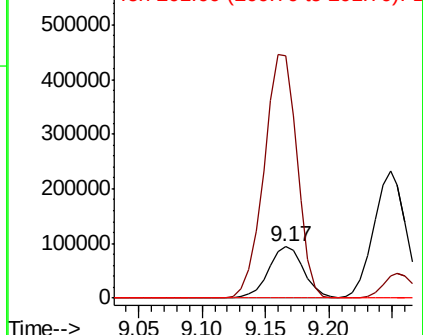
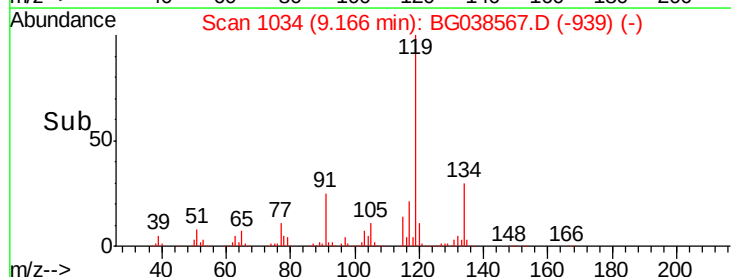
201 0.0 89.4 134.0#

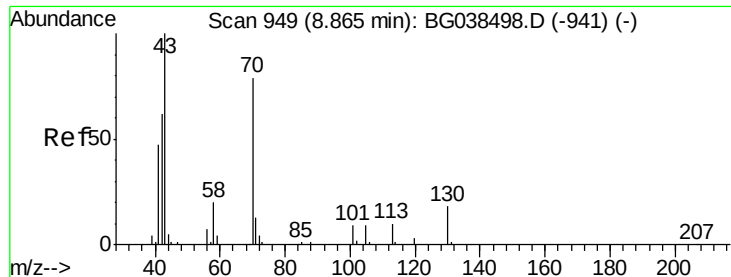


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

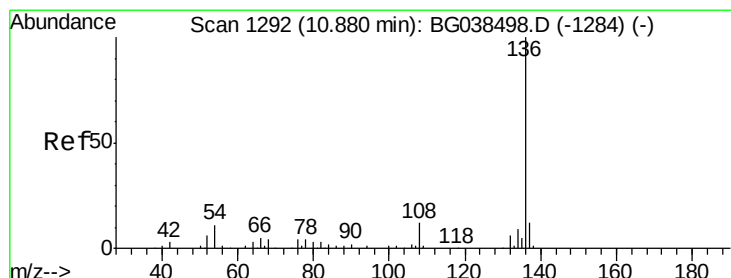
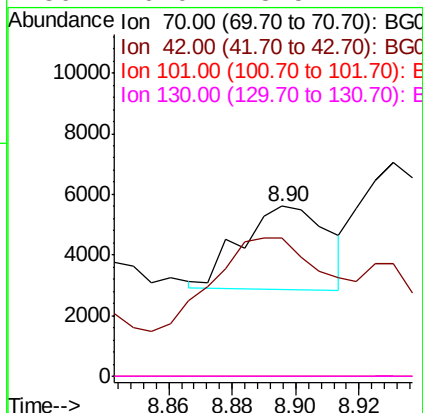
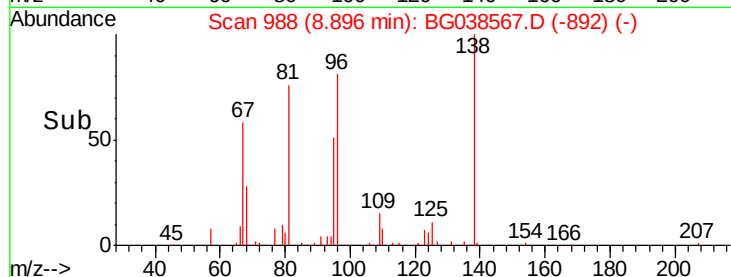
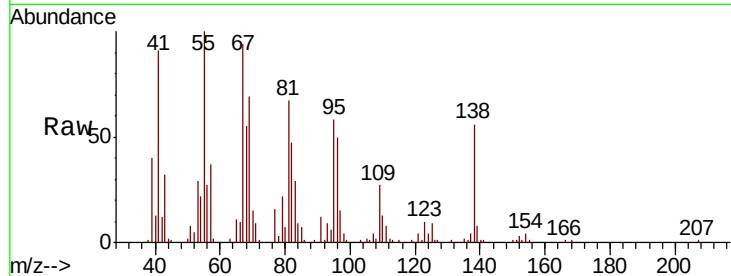




#19
n-Nitroso-di-n-propylamine
Concen: 3.238 ng
RT: 8.90 min Scan# 988
Delta R.T. 0.03 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

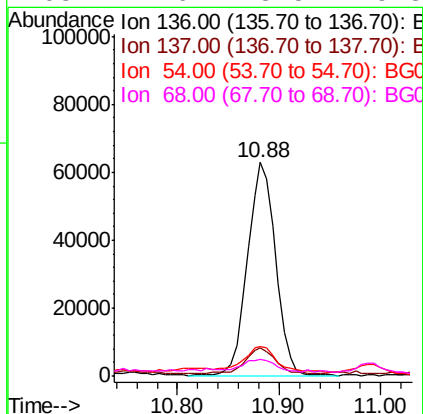
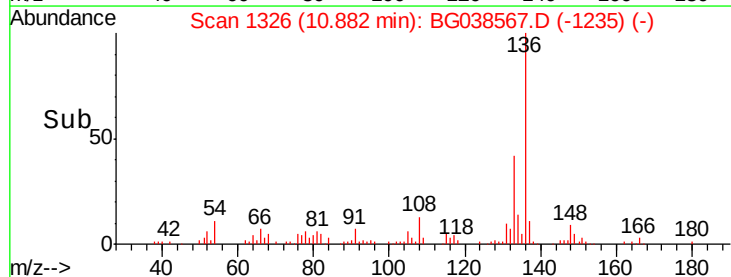
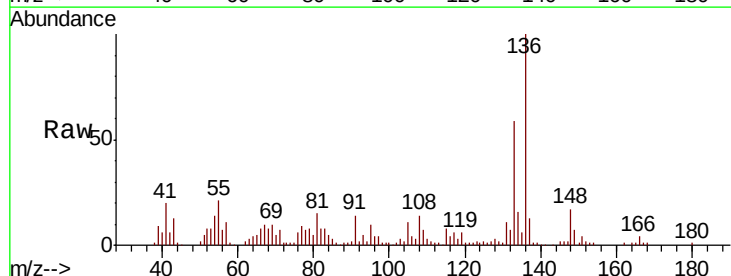
Instrument :
BNA_F
ClientSampled :

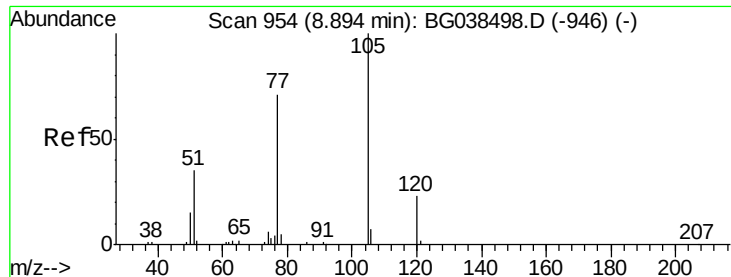
Tot Ion: 70 Resp: 5160
Ion Ratio Lower Upper
70 100
42 81.0 63.6 95.4
101 0.0 9.2 13.8#
130 0.0 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion: 136 Resp: 120990
Ion Ratio Lower Upper
136 100
137 13.1 9.3 13.9
54 13.6 8.5 12.7#
68 7.6 3.5 5.3#

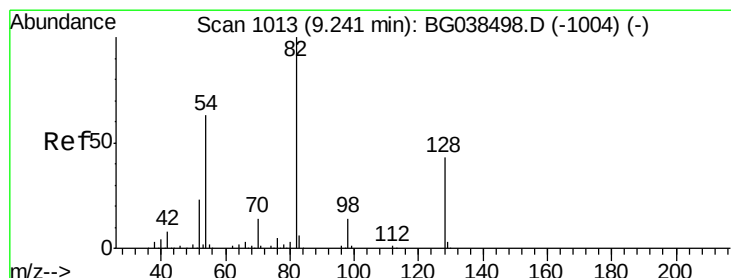
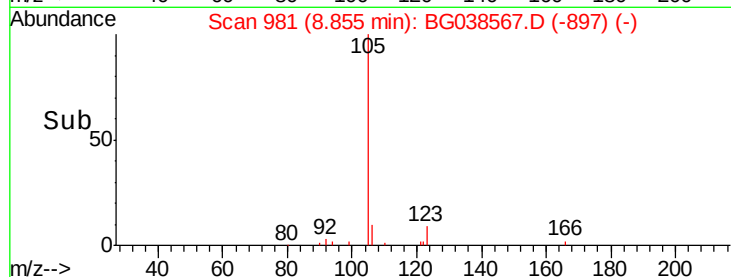
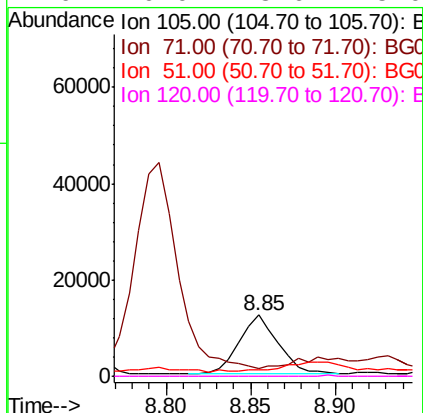
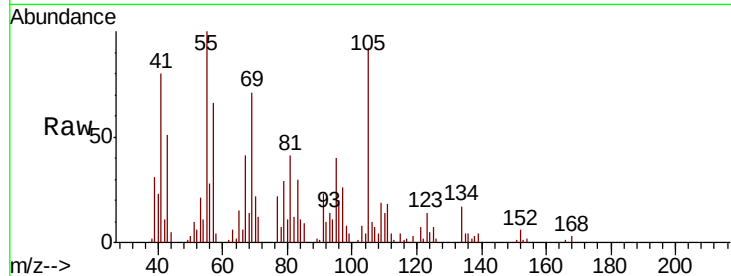




#22
Acetophenone
Concen: 6.448 ng
RT: 8.85 min Scan# 981
Delta R.T. -0.04 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

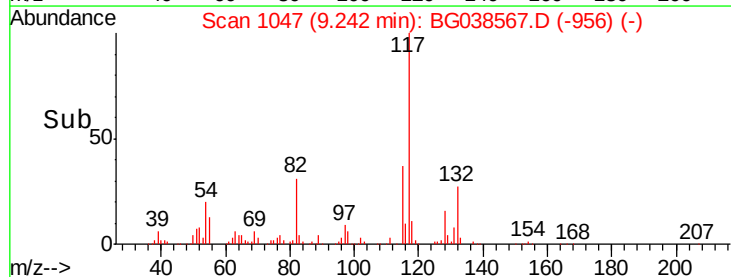
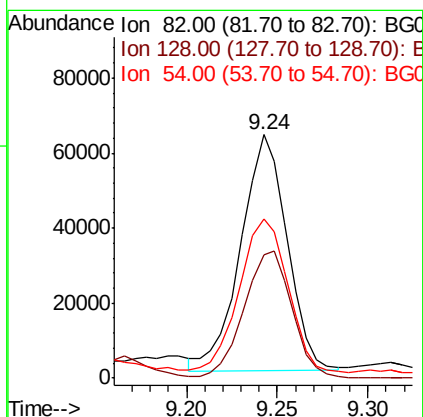
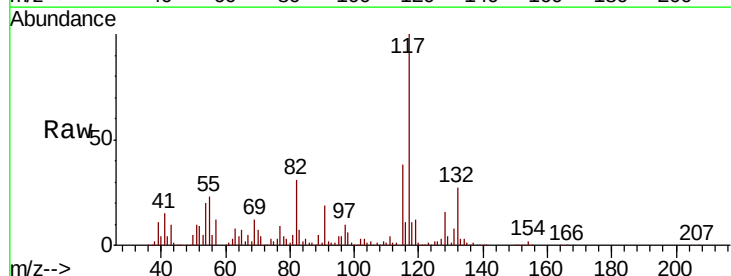
Instrument :
BNA_F
ClientSampleId :

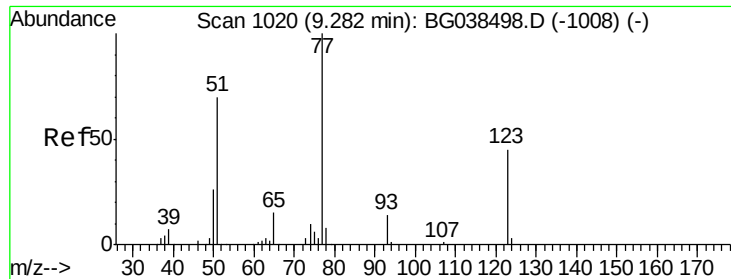
Tot Ion:105 Resp: 19485
Ion Ratio Lower Upper
105 100
71 13.4 0.4 0.6#
51 11.4 30.6 46.0#
120 0.0 18.6 28.0#



#23
Nitrobenzene-d5
Concen: 47.142 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion: 82 Resp: 111647
Ion Ratio Lower Upper
82 100
128 50.6 34.6 52.0
54 65.3 50.6 76.0

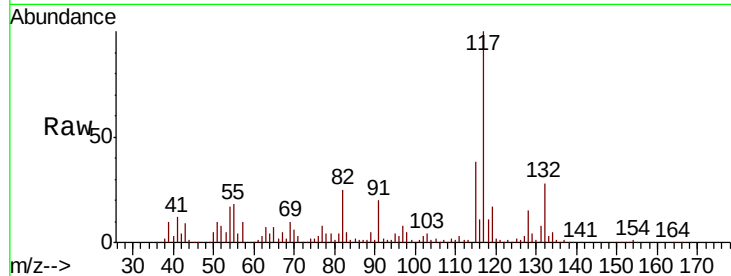




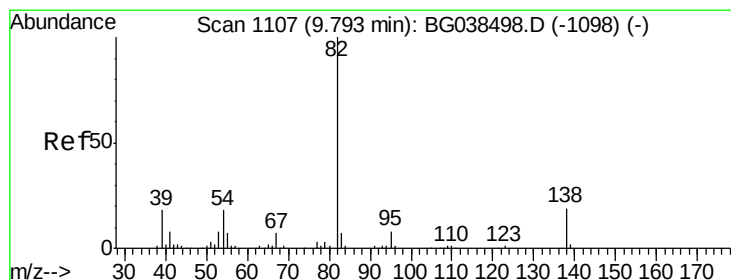
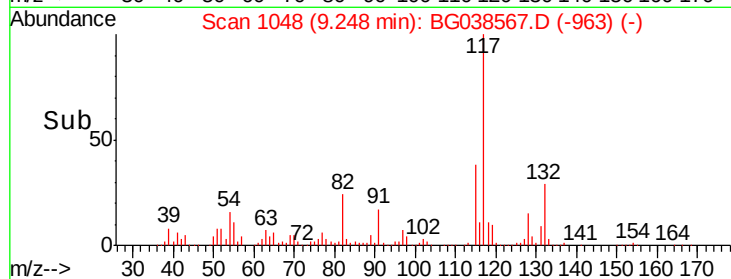
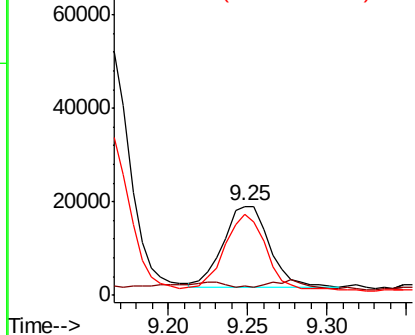
#24
Nitrobenzene
Concen: 14.386 ng
RT: 9.25 min Scan# 1048
Delta R.T. -0.03 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 34467
Ion Ratio Lower Upper
77 100
123 10.7 35.9 53.9#
65 91.4 12.0 18.0#

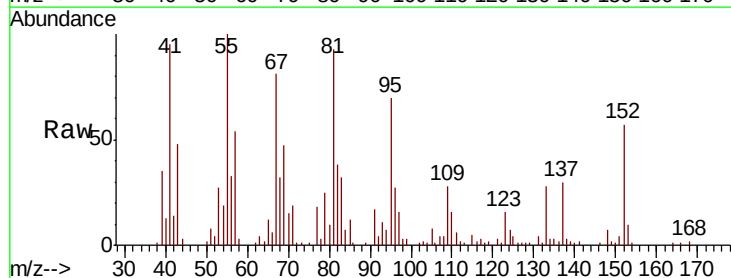


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

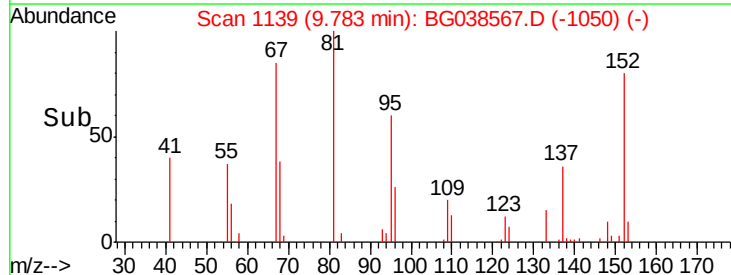
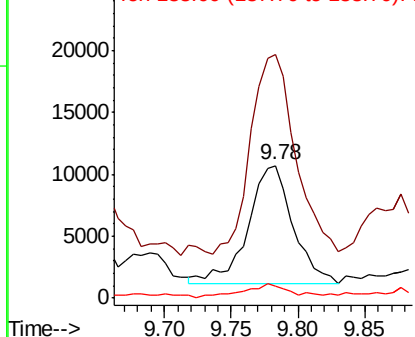


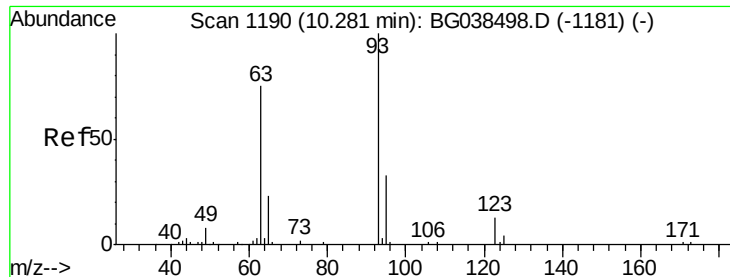
#25
Isophorone
Concen: 5.193 ng
RT: 9.78 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion: 82 Resp: 22098
Ion Ratio Lower Upper
82 100
95 183.5 6.1 9.1#
138 9.1 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

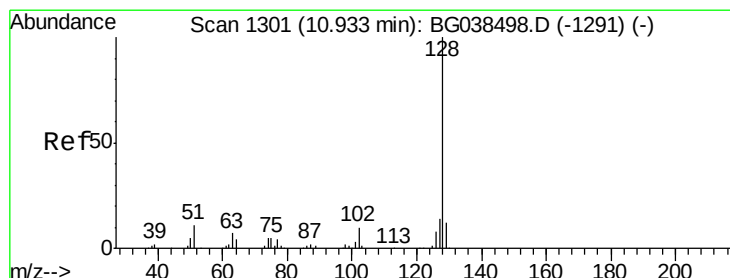
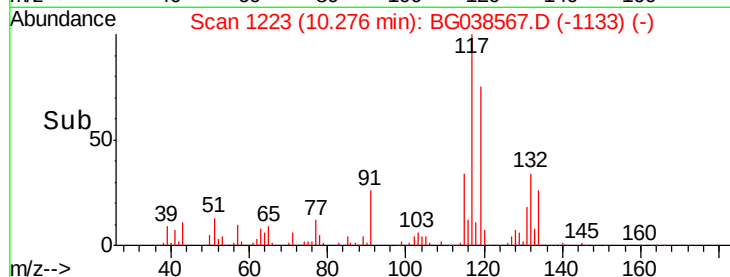
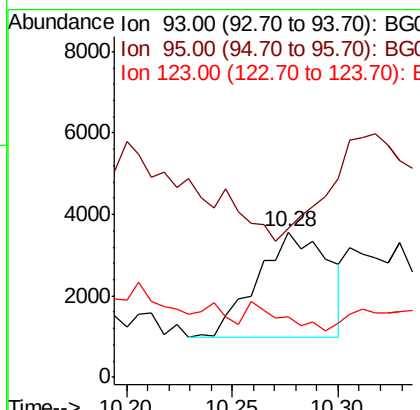
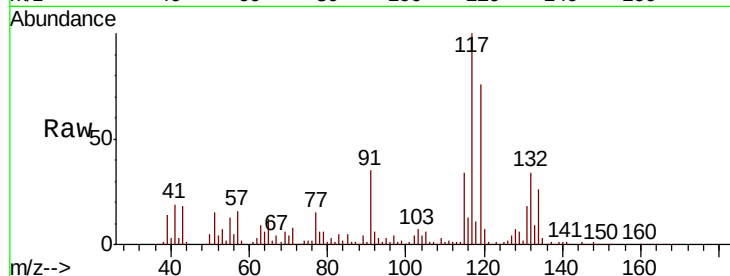




#28
 bis(2-Chloroethoxy)methane
 Concen: 2.514 ng
 RT: 10.28 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

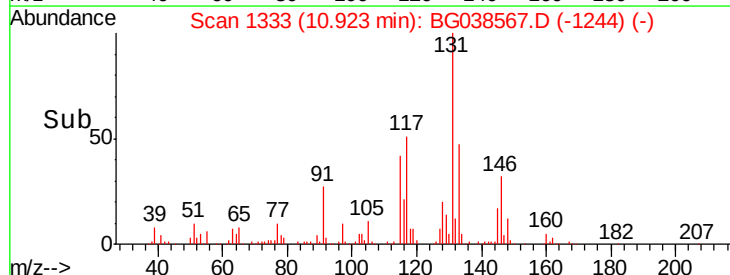
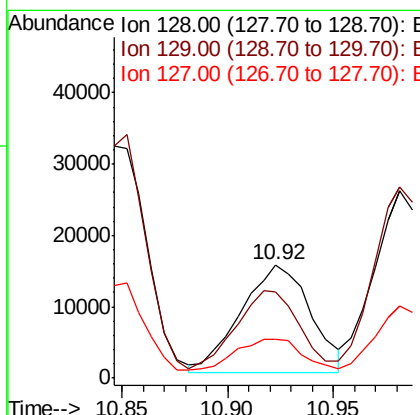
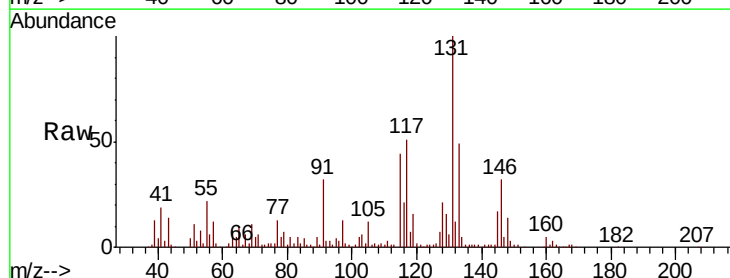
Instrument :
 BNA_F
 ClientSampled :

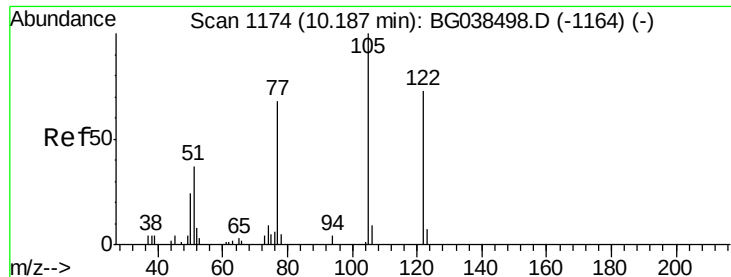
Tot Ion: 93 Resp: 6036
 Ion Ratio Lower Upper
 93 100
 95 102.9 26.6 40.0#
 123 42.2 10.6 16.0#



#31
 Naphthalene
 Concen: 5.788 ng
 RT: 10.92 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

Tgt Ion: 128 Resp: 34502
 Ion Ratio Lower Upper
 128 100
 129 75.4 9.5 14.3#
 127 34.3 10.9 16.3#

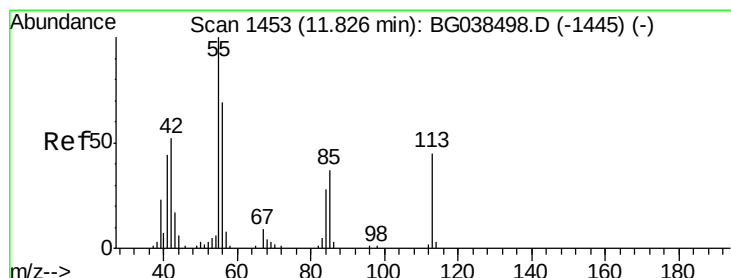
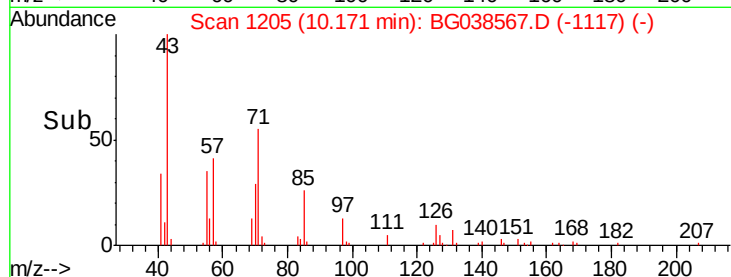
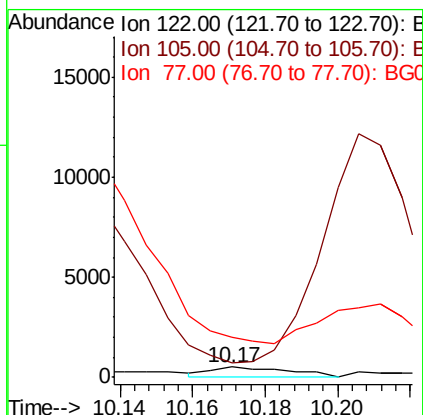
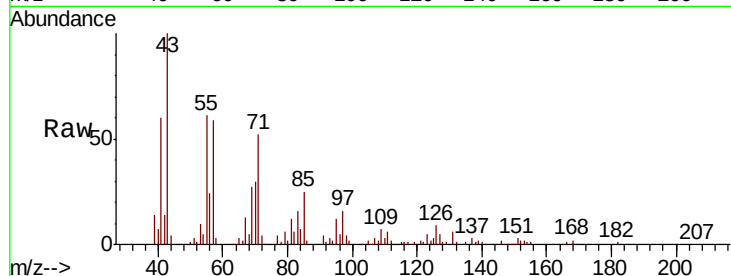




#32
Benzoic acid
Concen: 10.733 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

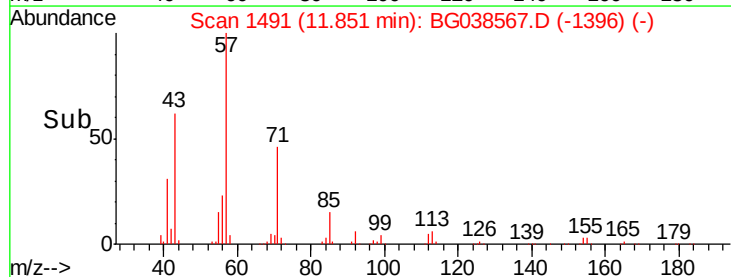
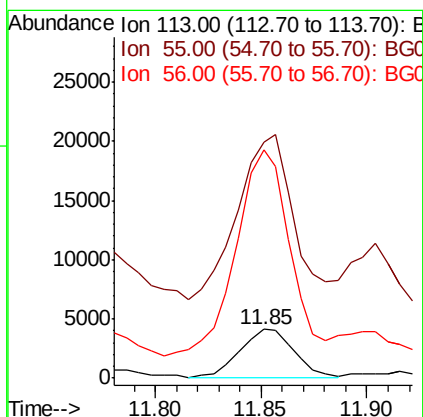
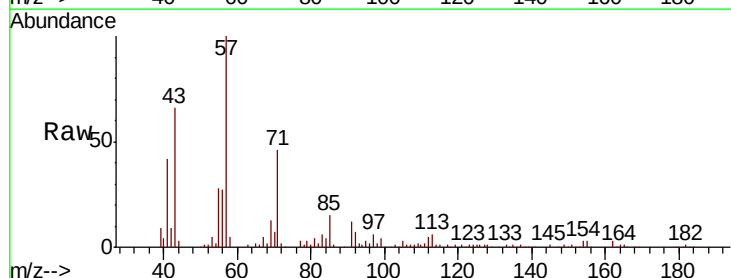
Instrument :
BNA_F
ClientSampleId :

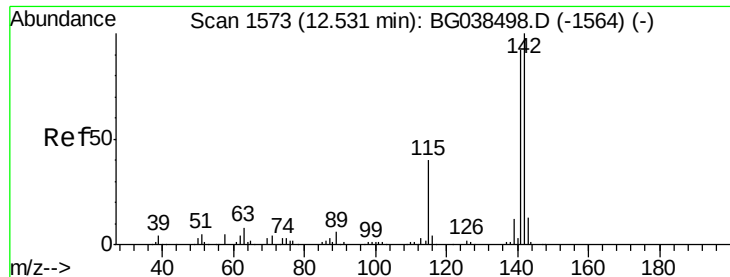
Tot Ion:122 Resp: 806
Ion Ratio Lower Upper
122 100
105 142.8 116.7 156.7
77 389.2 72.5 112.5#



#35
Caprolactam
Concen: 9.152 ng
RT: 11.85 min Scan# 1491
Delta R.T. 0.03 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion:113 Resp: 7405
Ion Ratio Lower Upper
113 100
55 486.2 204.3 244.3#
56 470.0 135.0 175.0#

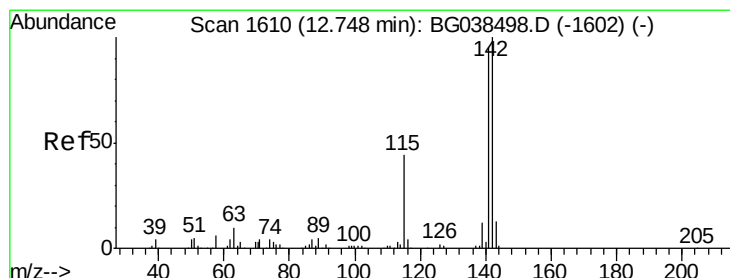
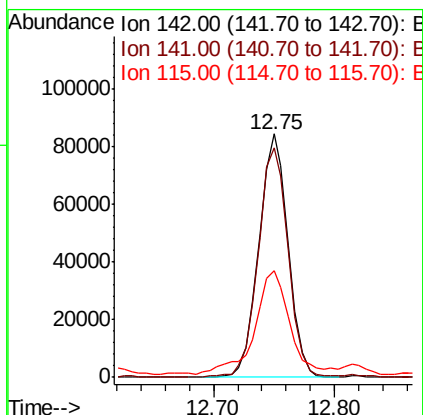
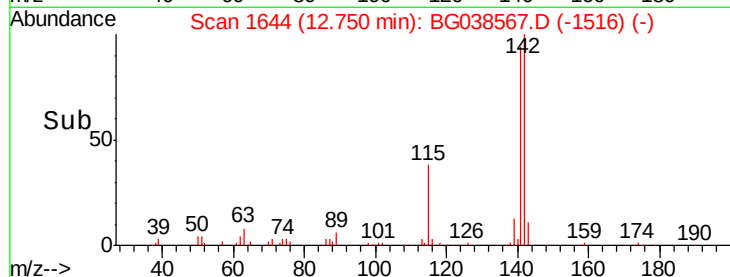
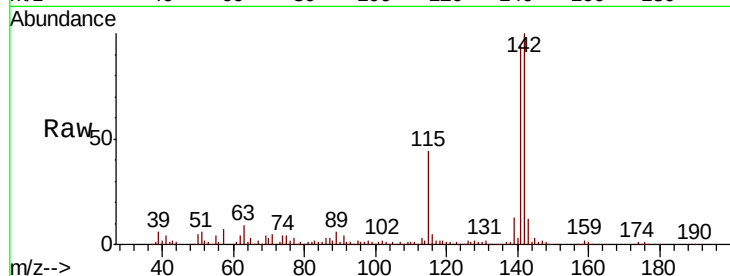




#37
2-Methylnaphthalene
Concen: 33.430 ng
RT: 12.75 min Scan# 1644
Delta R.T. 0.22 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

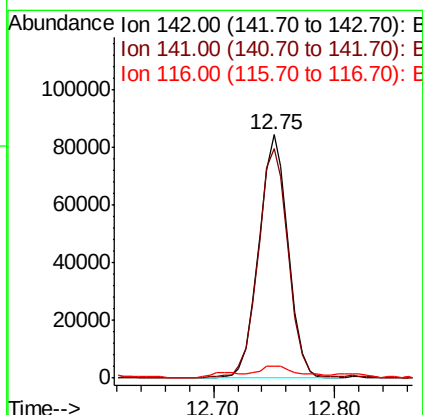
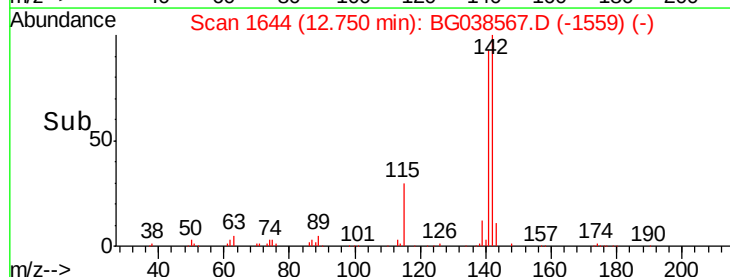
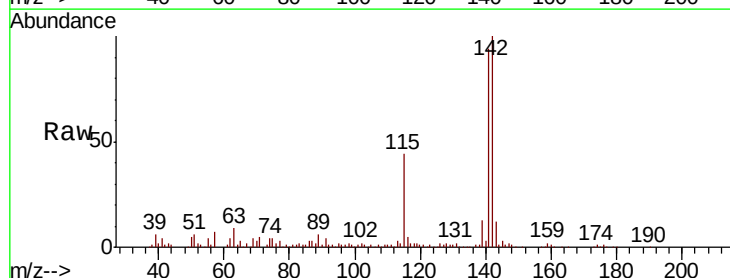
Instrument :
BNA_F
ClientSampleId :

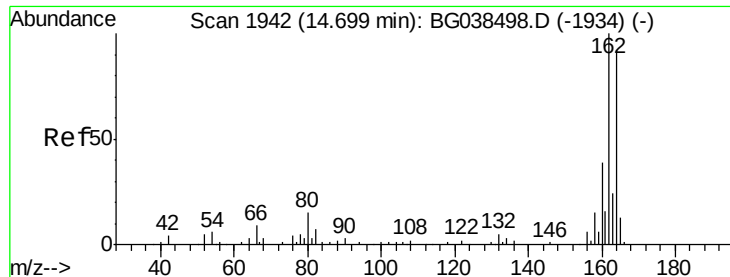
Tot Ion:142 Resp: 142174
Ion Ratio Lower Upper
142 100
141 94.2 73.5 110.3
115 44.0 31.7 47.5



#38
1-Methylnaphthalene
Concen: 34.451 ng
RT: 12.75 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion:142 Resp: 142174
Ion Ratio Lower Upper
142 100
141 94.2 75.8 113.8
116 4.8 3.6 5.4

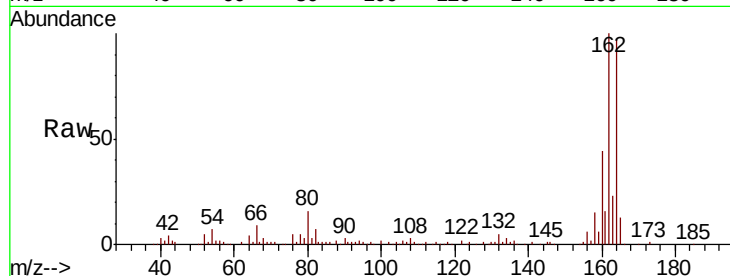




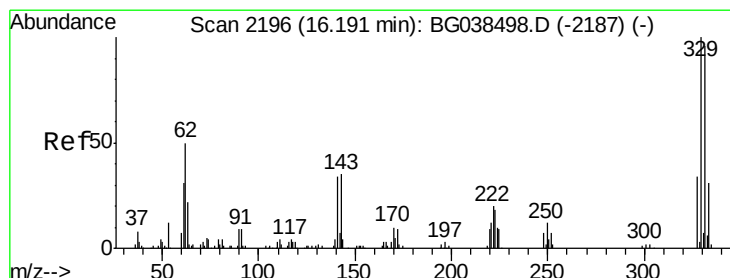
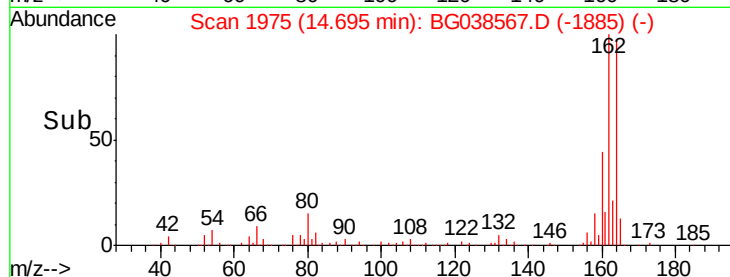
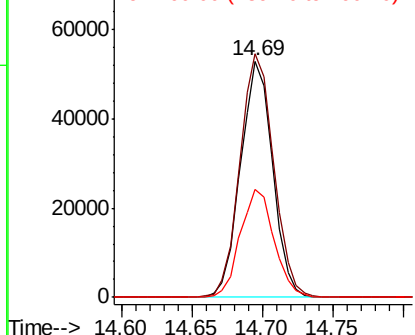
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 84423
Ion Ratio Lower Upper
164 100
162 102.9 86.6 130.0
160 45.6 34.2 51.2

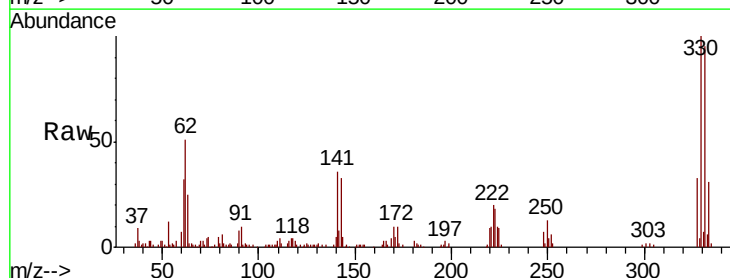


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

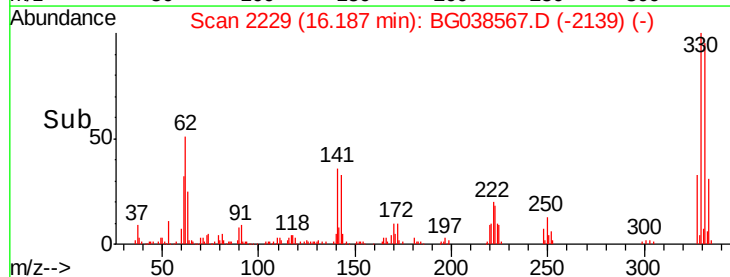
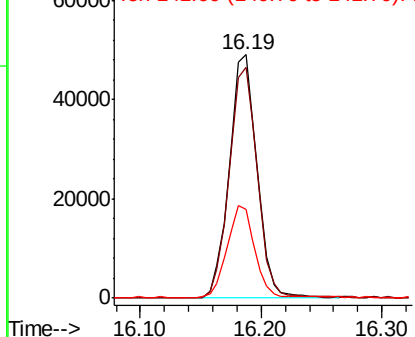


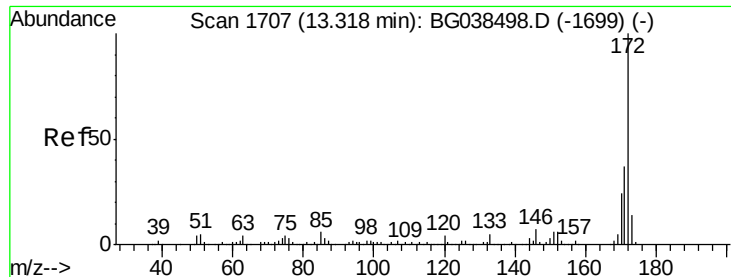
#42
2,4,6-Tribromophenol
Concen: 67.660 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion:330 Resp: 78722
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 38.1 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

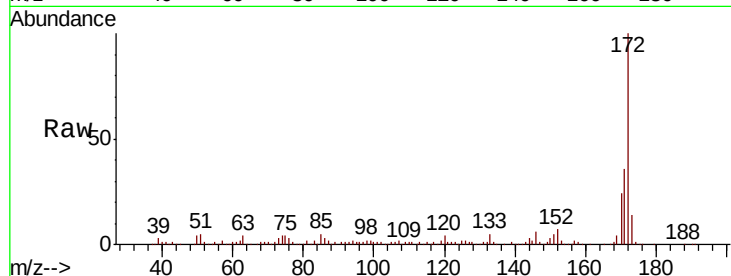




#45
2-Fluorobiphenyl
Concen: 40.734 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	23.9	19.5	29.3

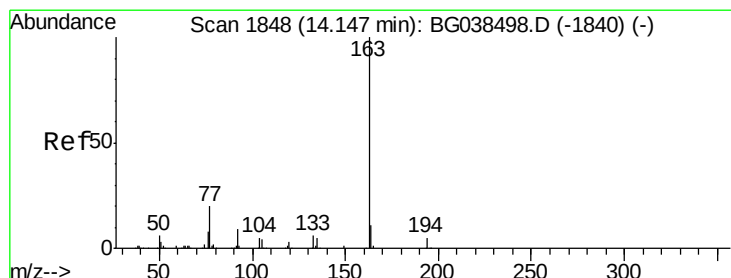
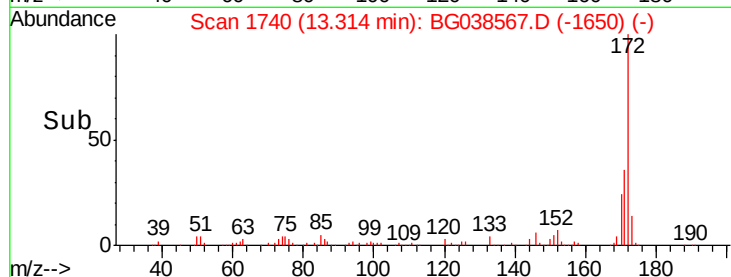
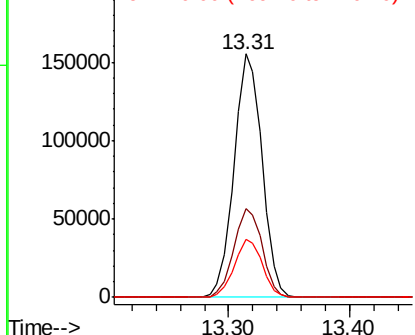


Abundance

Ion 172.00 (171.70 to 172.70): E

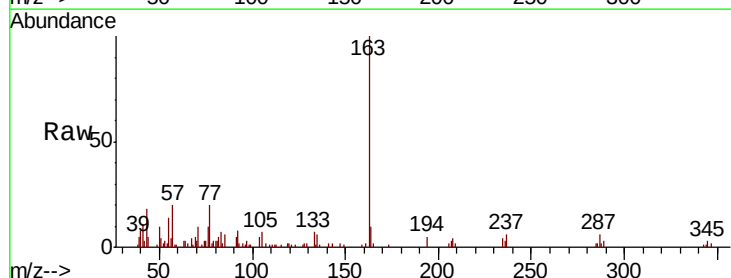
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.513 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.7	5.5
164	9.6	8.6	12.8

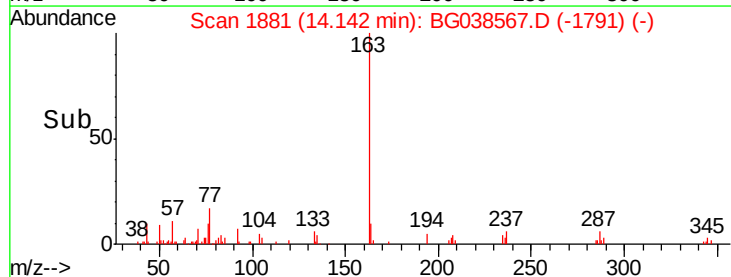
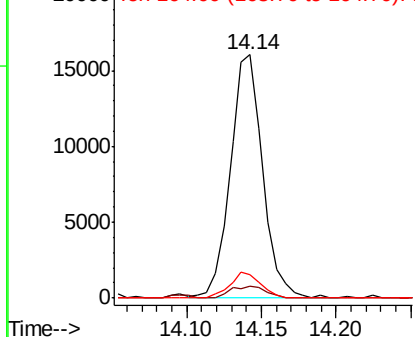


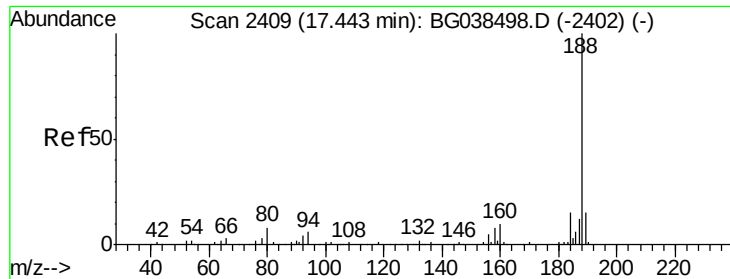
Abundance

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: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

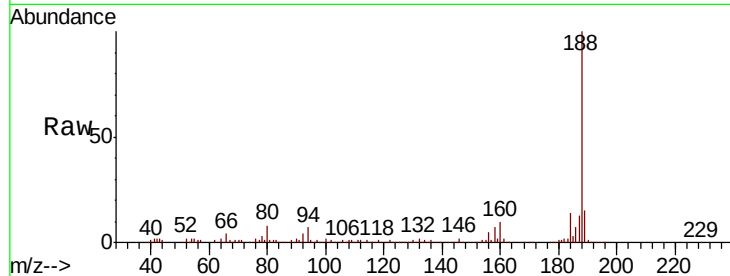
Tot Ion:188 Resp: 191035

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

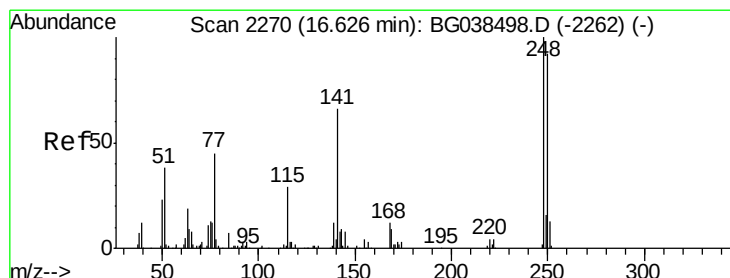
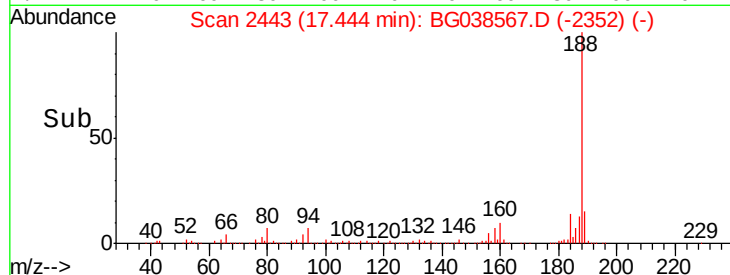
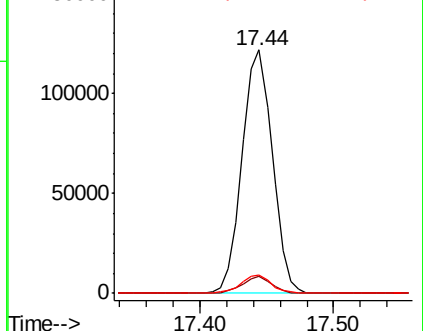
80 7.6 6.1 9.1



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: 2.207 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.44 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

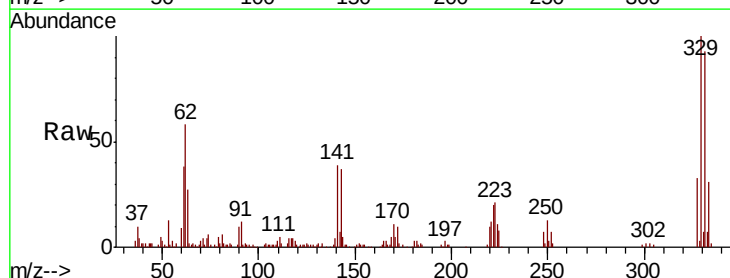
Tgt Ion:248 Resp: 5149

Ion Ratio Lower Upper

248 100

250 173.8 73.4 110.2#

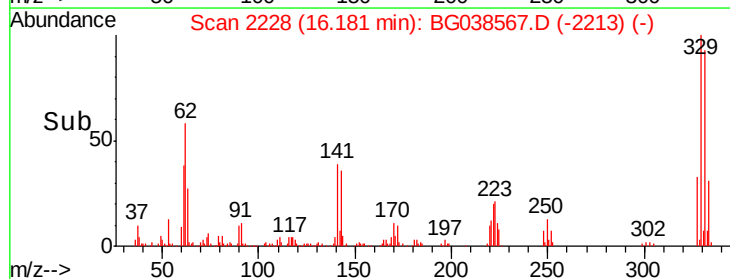
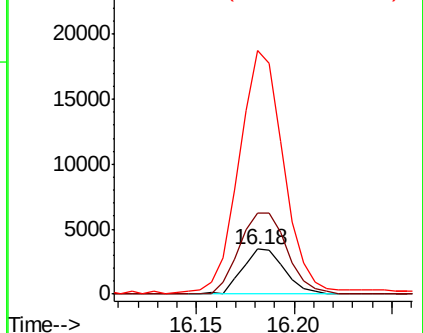
141 415.3 52.9 79.3#

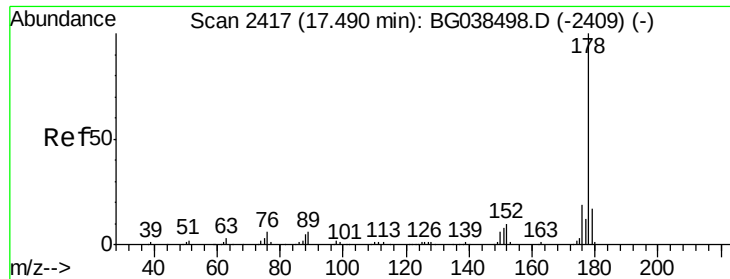


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.967 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

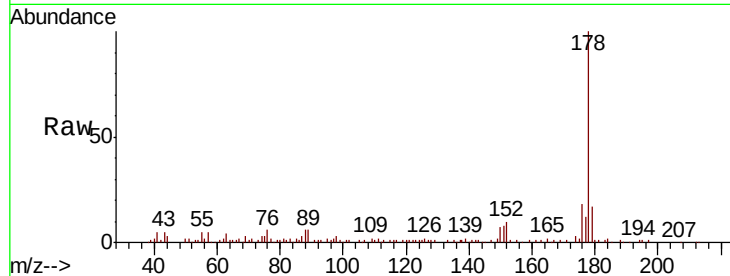
Tot Ion:178 Resp: 59111

Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

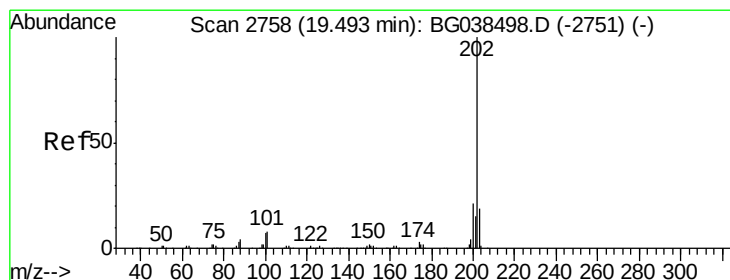
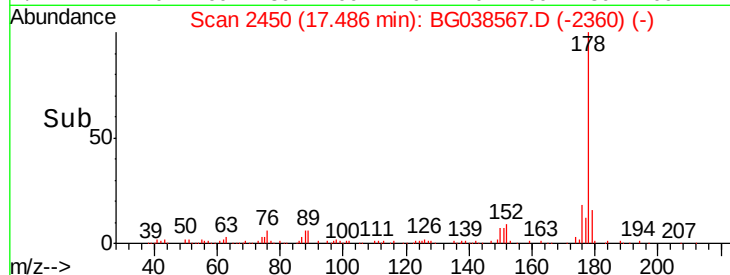
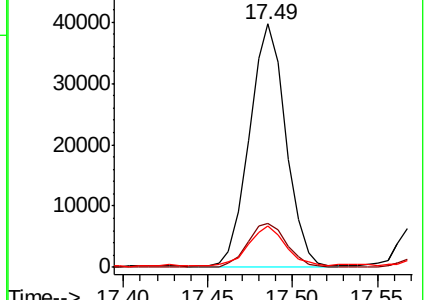
179 17.2 13.2 19.8



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: 7.452 ng

RT: 19.49 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

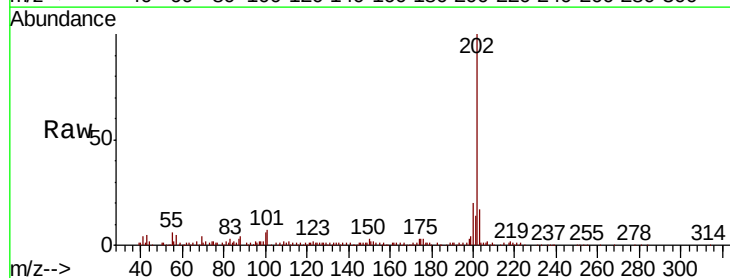
Tgt Ion:202 Resp: 91345

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.1

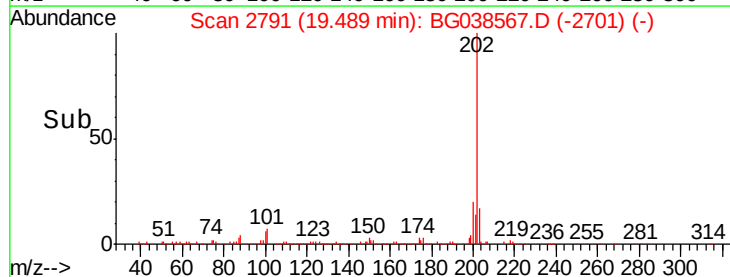
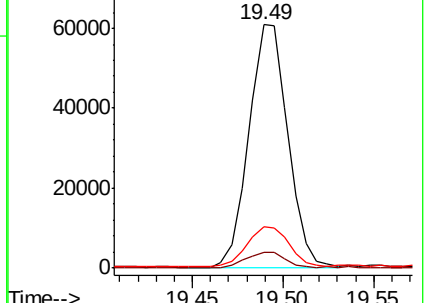
203 17.2 0.0 39.0

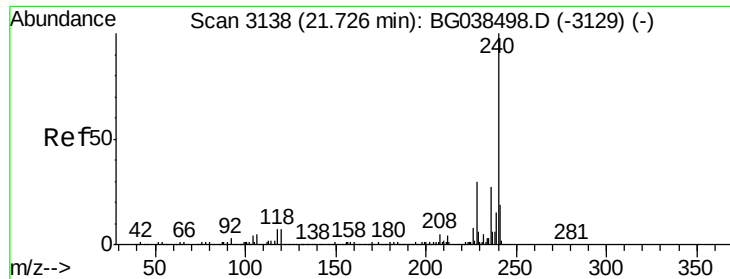


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

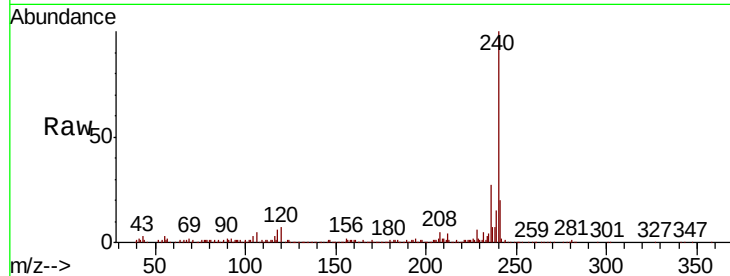




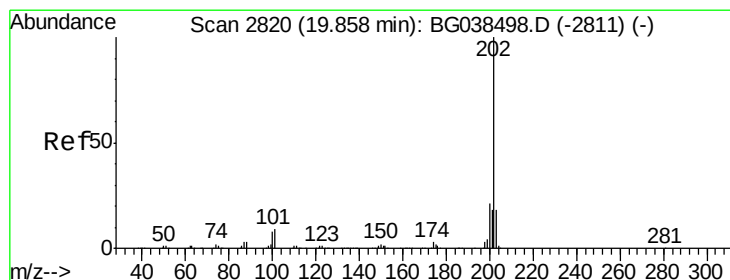
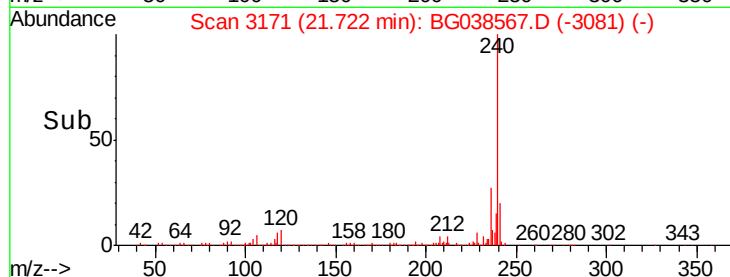
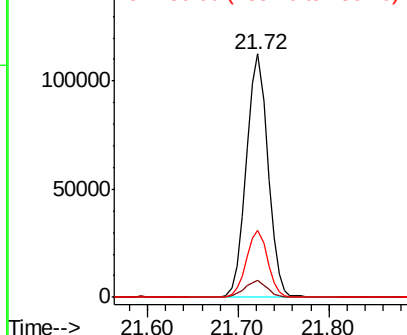
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 186518
Ion Ratio Lower Upper
240 100
120 6.9 5.3 7.9
236 27.3 21.4 32.2

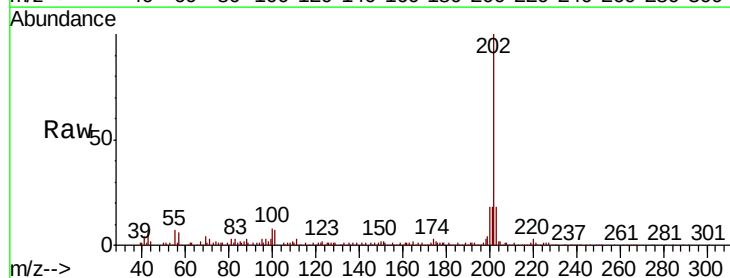


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

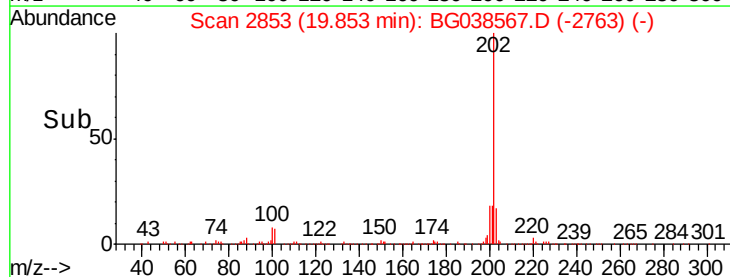
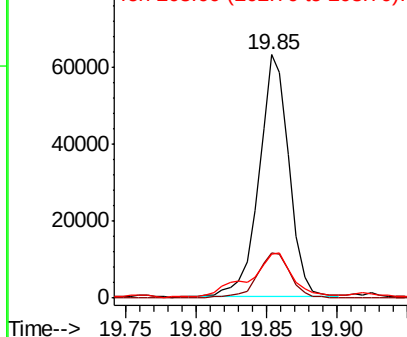


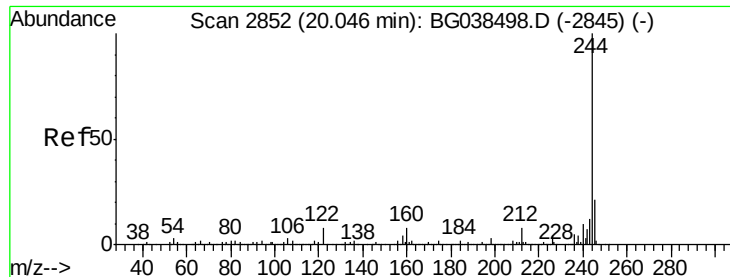
#78
Pyrene
Concen: 7.621 ng
RT: 19.85 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion:202 Resp: 93906
Ion Ratio Lower Upper
202 100
200 18.4 16.6 25.0
203 17.8 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: 44.286 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

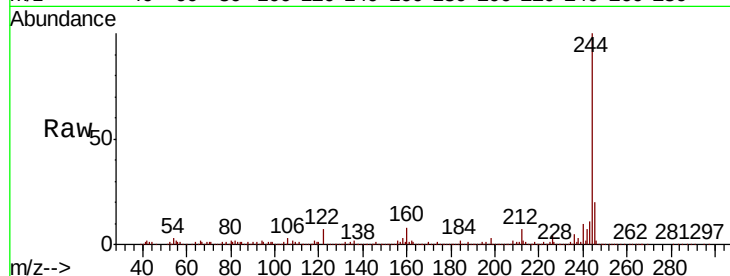
Tot Ion:244 Resp: 379543

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

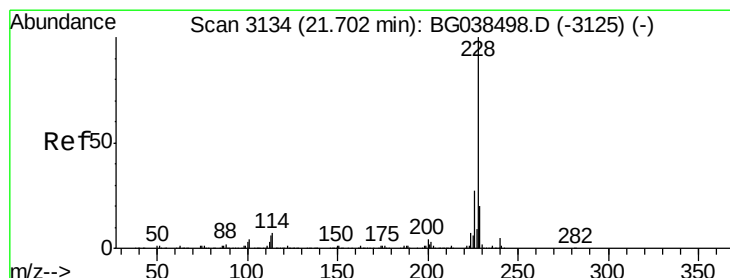
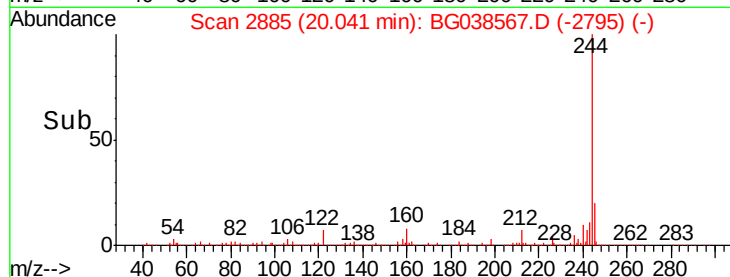
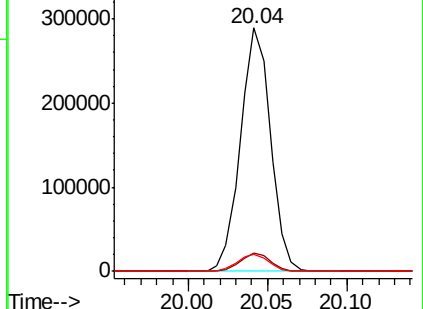
122 7.2 6.3 9.5



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: 4.527 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

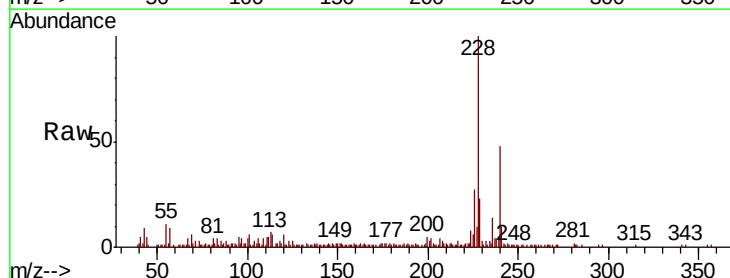
Tgt Ion:228 Resp: 51457

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

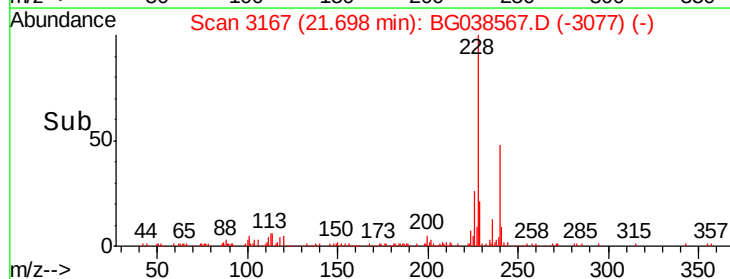
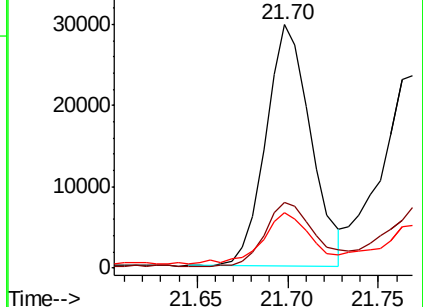
229 22.7 15.8 23.6

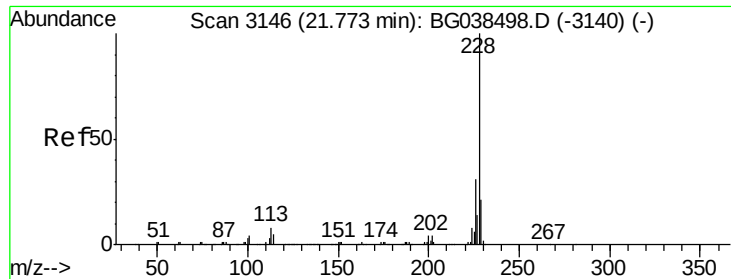


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.159 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

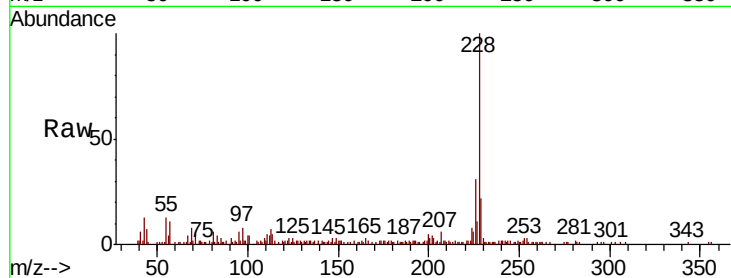
Tot Ion:228 Resp: 45528

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

229 22.5 16.5 24.7

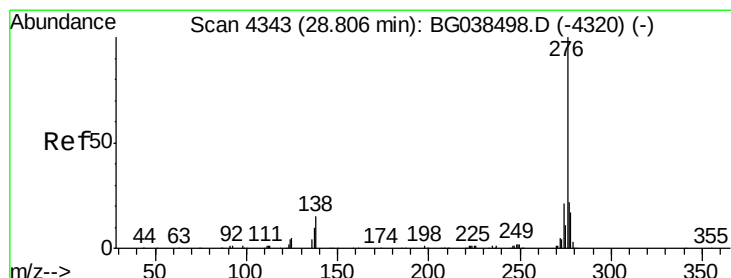
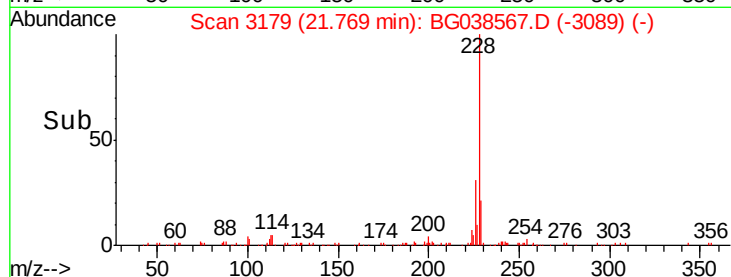
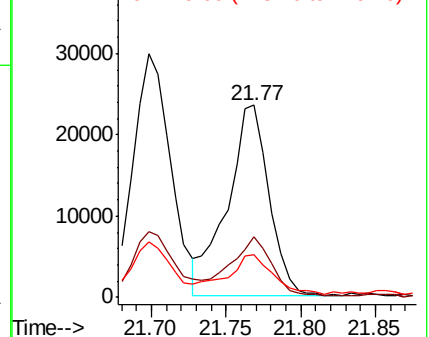


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.432 ng

RT: 28.79 min Scan# 4374

Delta R.T. -0.02 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

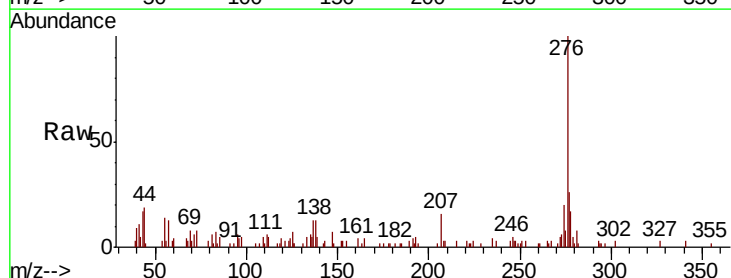
Tgt Ion:276 Resp: 44170

Ion Ratio Lower Upper

276 100

138 16.1 14.4 21.6

277 0.0 0.0 0.0

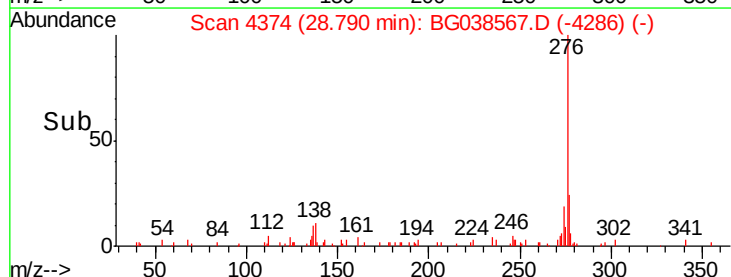
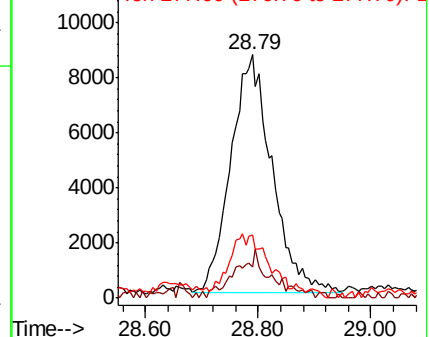


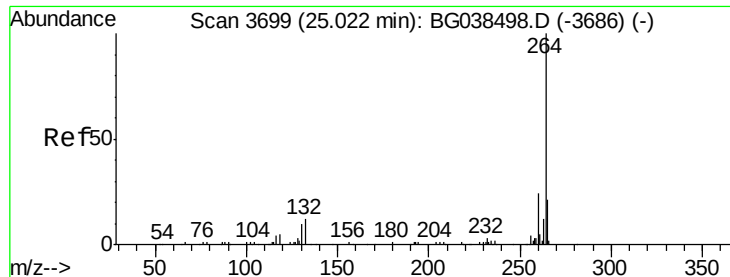
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_F

ClientSampleId :

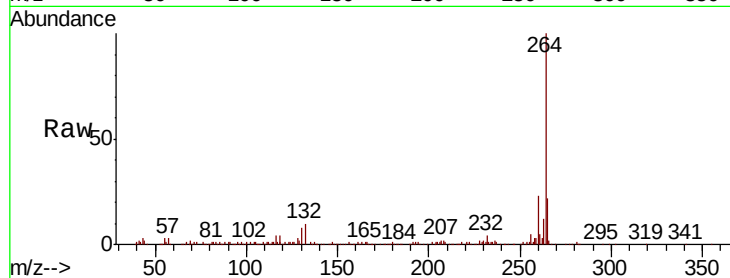
Tot Ion:264 Resp: 205752

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.4	17.0	25.4

264 100

260 23.3 18.9 28.3

265 22.4 17.0 25.4

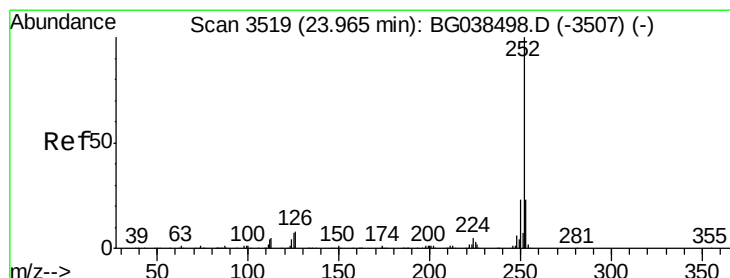
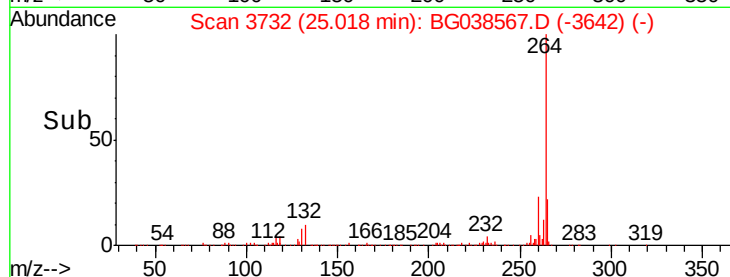
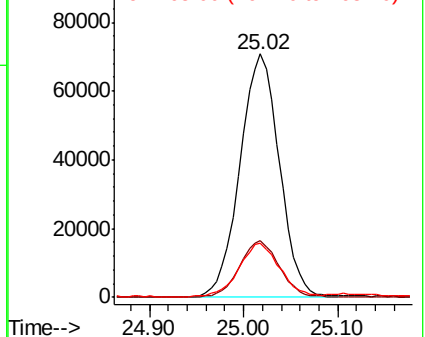


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 6.629 ng

RT: 23.96 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

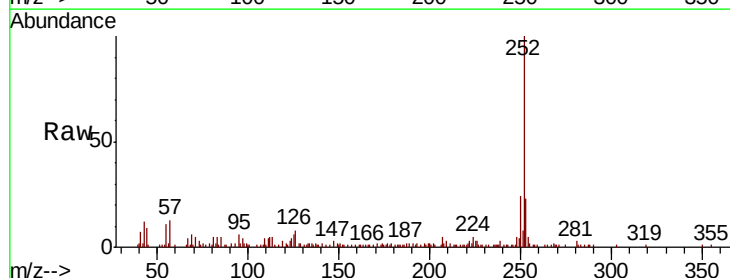
Tgt Ion:252 Resp: 74880

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	6.1	5.5	8.3

252 100

253 23.0 18.1 27.1

125 6.1 5.5 8.3

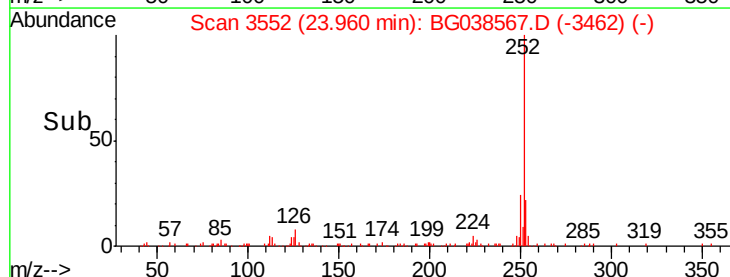
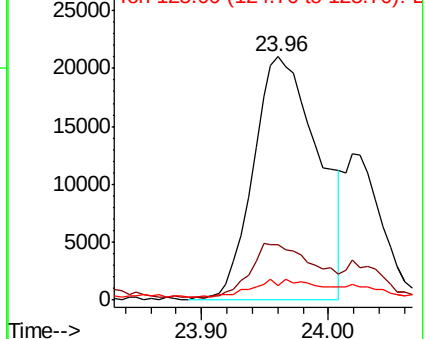


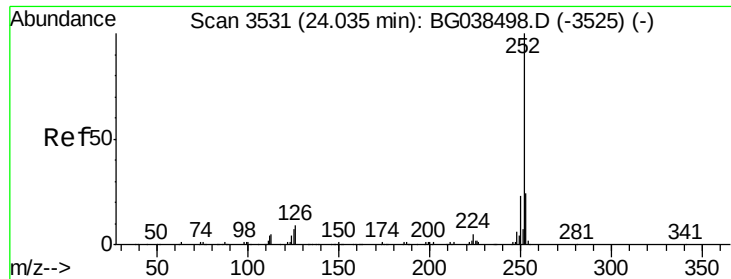
Abundance

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

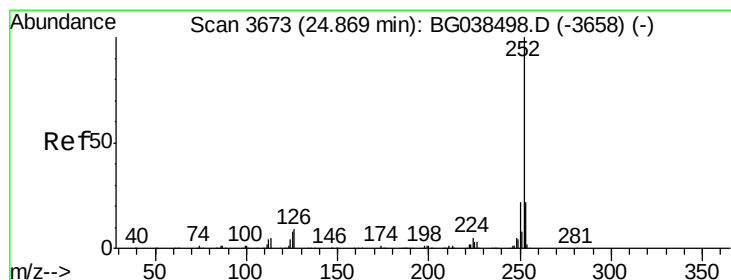
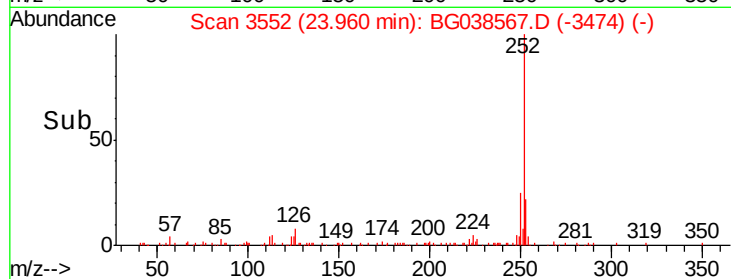
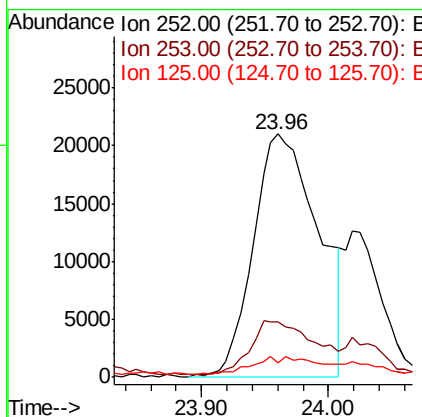
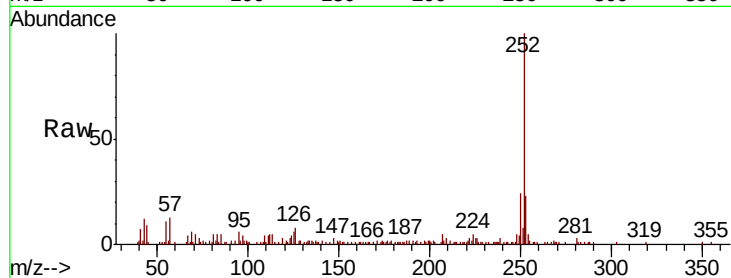




#89
Benzo(k)fluoranthene
Concen: 6.657 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.07 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

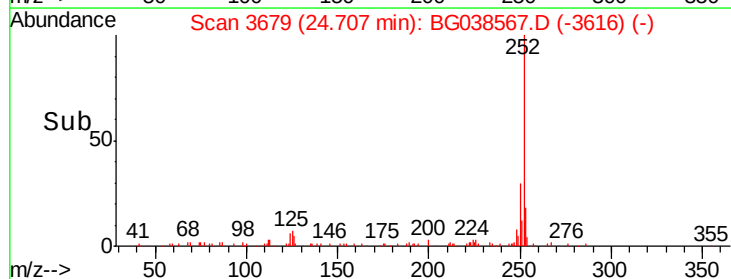
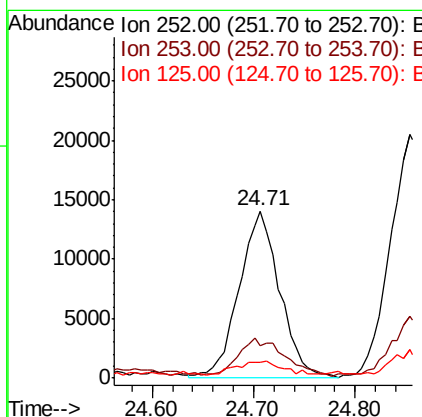
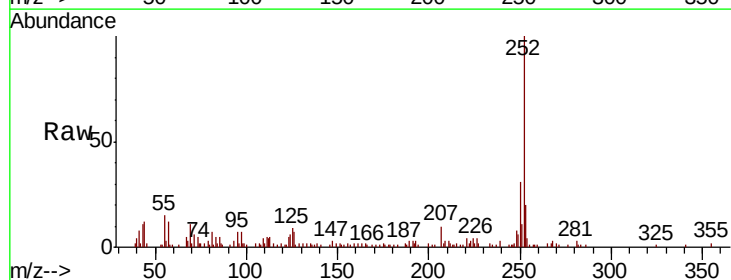
Instrument :
BNA_F
ClientSampleId :

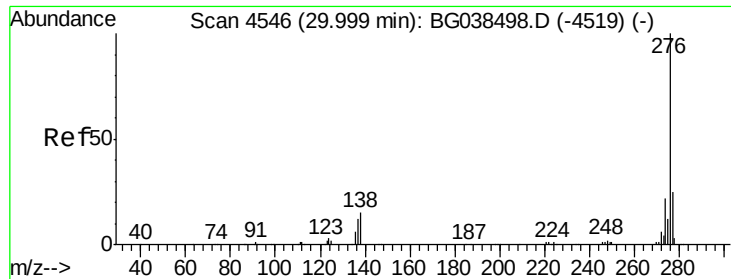
Tot Ion:252 Resp: 74880
Ion Ratio Lower Upper
252 100
253 23.0 18.9 28.3
125 6.1 5.4 8.2



#90
Benzo(a)pyrene
Concen: 3.587 ng
RT: 24.71 min Scan# 3679
Delta R.T. -0.16 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion:252 Resp: 39088
Ion Ratio Lower Upper
252 100
253 19.5 17.4 26.0
125 9.4 6.4 9.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.115 ng
 RT: 29.97 min Scan# 4575
 Delta R.T. -0.03 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.5	19.8	29.8
138	14.5	11.8	17.6

