

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042665.D
 Acq On : 1 Sep 2019 16:03
 Operator : HP/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Sep 03 12:16:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.01
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.83
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.66
64) Phenanthrene-d10	17.42	188	217	20.00	ng	0.00
76) Chrysene-d12	21.70	240	526	20.00	ng	0.00
87) Perylene-d12	24.95	264	508	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	20.02	244	1259	51.75	ng	0.00

Target Compounds

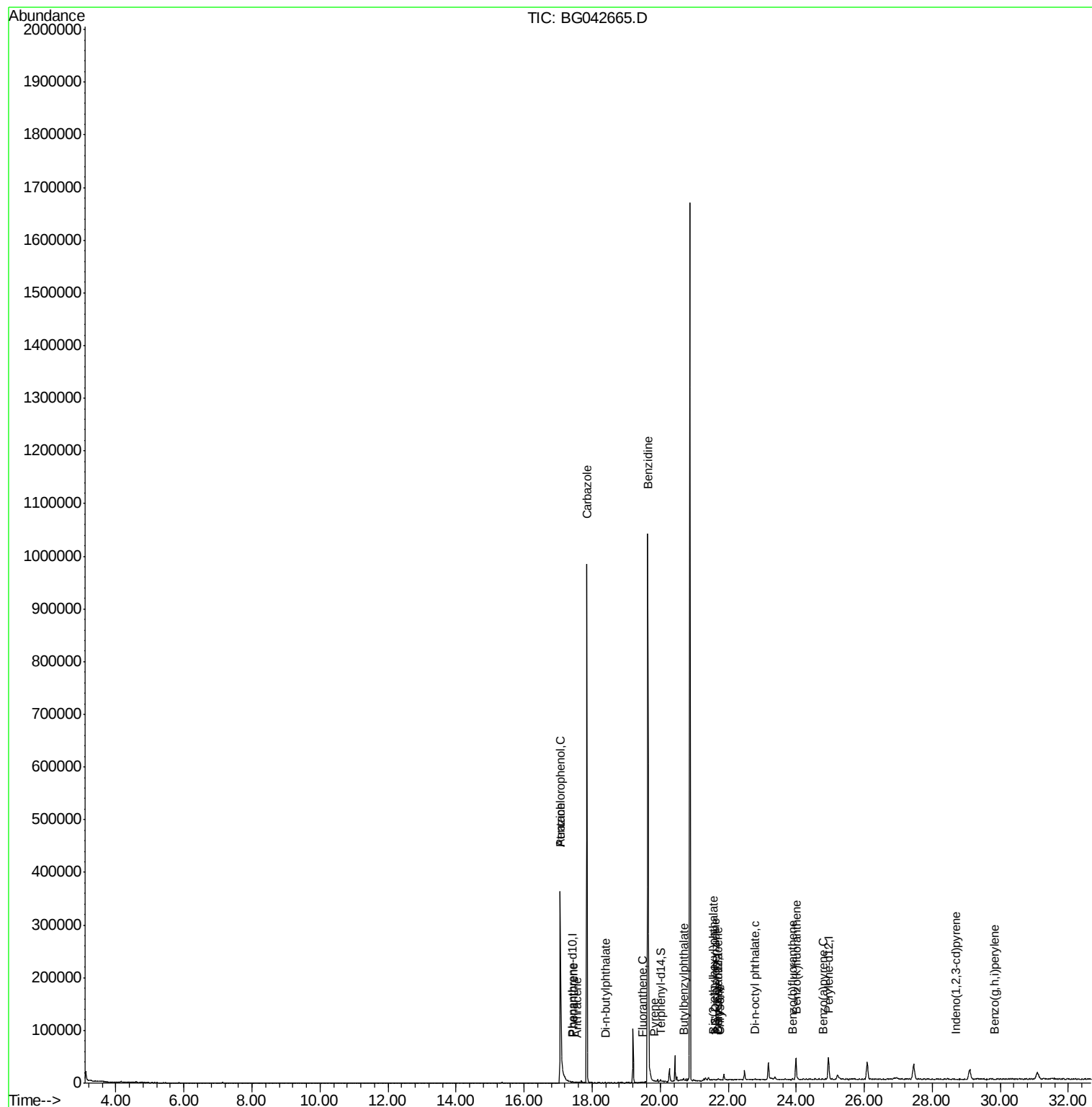
						Qvalue
69) Atrazine	17.07	200	19641	9306.997	ng	# 35
70) Pentachlorophenol	17.07	266	128646	82747.267	ng	# 99
71) Phenanthrene	17.46	178	320	29.688	ng	# 59
72) Anthracene	17.56	178	182	16.914	ng	# 60
73) Carbazole	17.85	167	6427	670.167	ng	# 85
74) Di-n-butylphthalate	18.38	149	469	41.371	ng	# 77
75) Fluoranthene	19.47	202	532	40.442	ng	# 63
77) Benzidine	19.64	184	753156	49941.902	ng	# 99
78) Pyrene	19.83	202	666	20.652	ng	# 55
80) Butylbenzylphthalate	20.71	149	271	21.365	ng	# 70
81) Benzo(a)anthracene	21.68	228	554	17.314	ng	# 49
82) 3,3'-Dichlorobenzidine	21.60	252	801	62.243	ng	# 90
83) Chrysene	21.75	228	749	24.272	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.56	149	1193	67.741	ng	# 87
85) Di-n-octyl phthalate	22.78	149	768	25.355	ng	# 84
86) Indeno(1,2,3-cd)pyrene	28.70	276	182	4.340	ng	# 55
88) Benzo(b)fluoranthene	23.91	252	251	8.987	ng	# 59
89) Benzo(k)fluoranthene	24.00	252	946	35.240	ng	# 1
90) Benzo(a)pyrene	24.79	252	61	2.302	ng	# 59
92) Benzo(a,h,i)perylene	29.83	276	61	2.273	ng	# 56

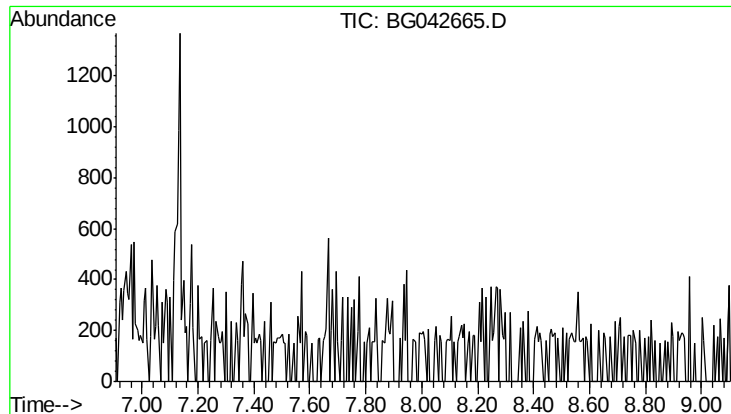
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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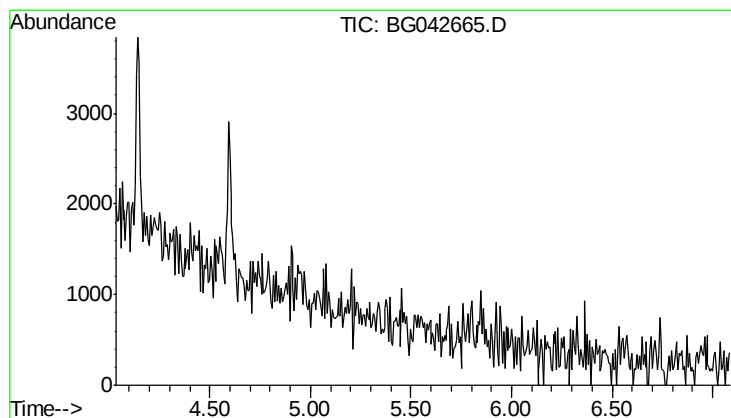
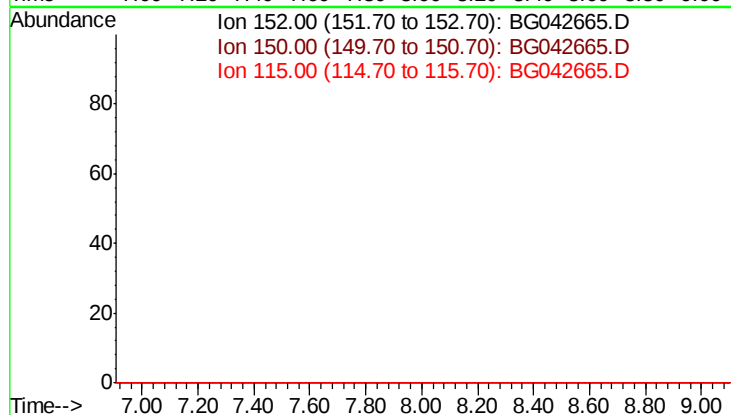




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.01 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

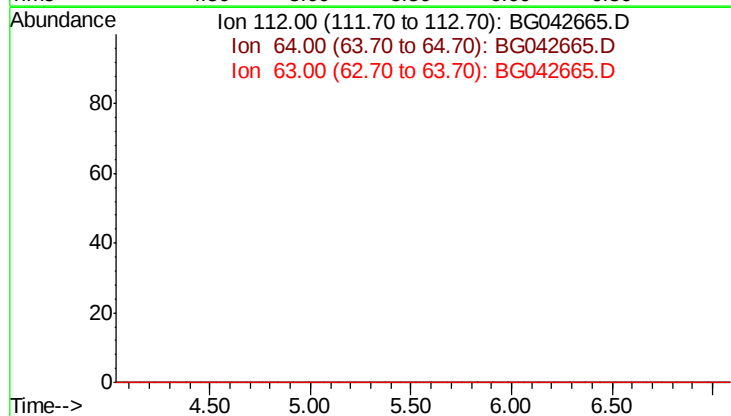
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

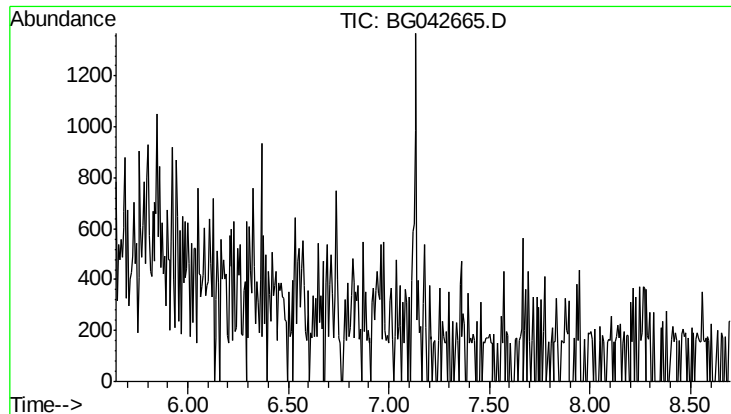
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 156.7
 115 48.1



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.56 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 53.5
 63 28.4





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.17 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

DFTPP

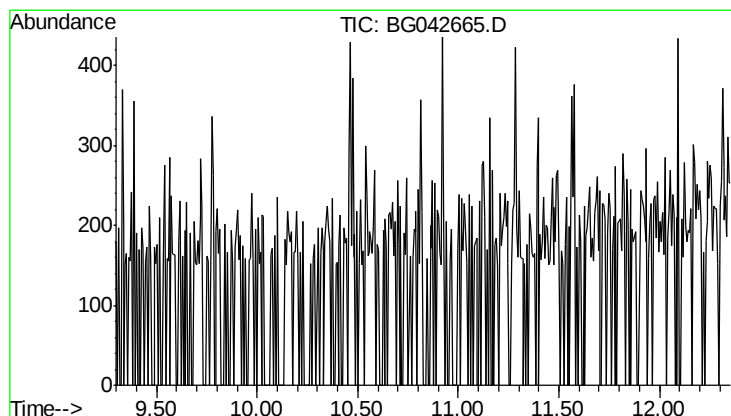
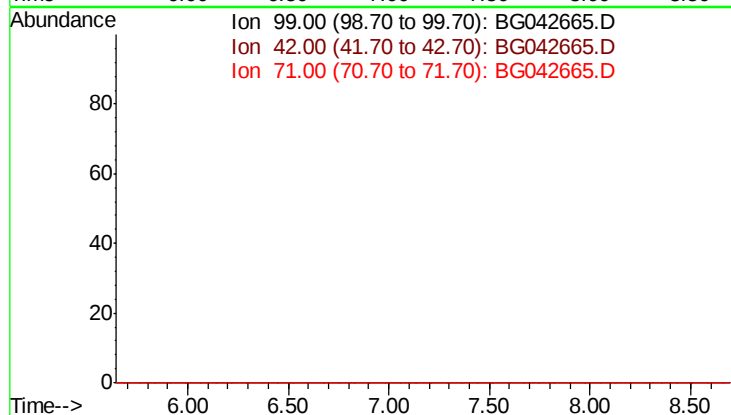
Tot Ion: 99

Sig Exp Ratio

99 100

42 15.0

71 32.9



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.83 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Tgt Ion: 136

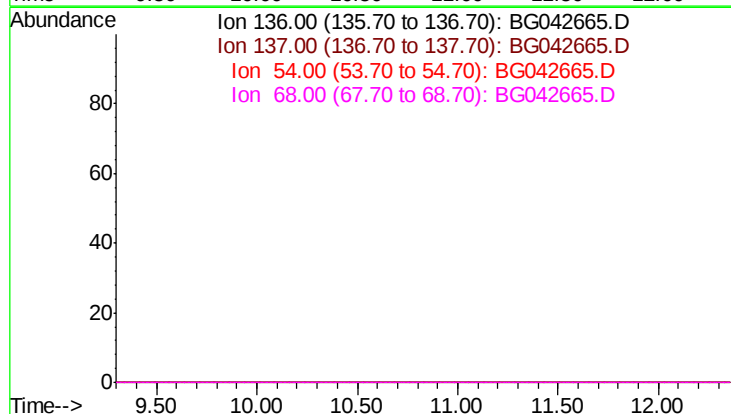
Sig Exp Ratio

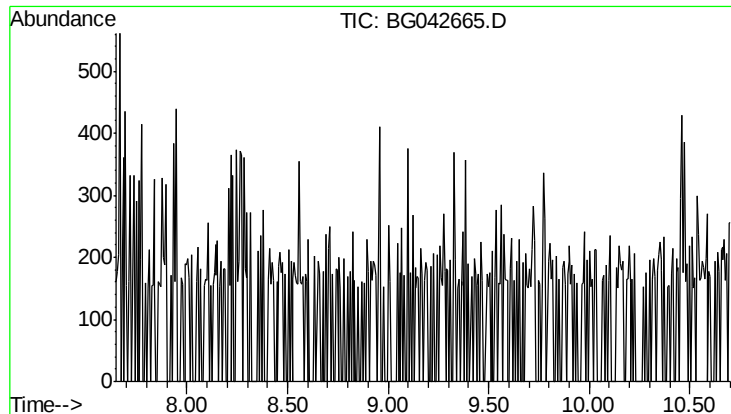
136 100

137 10.9

54 6.1

68 4.5

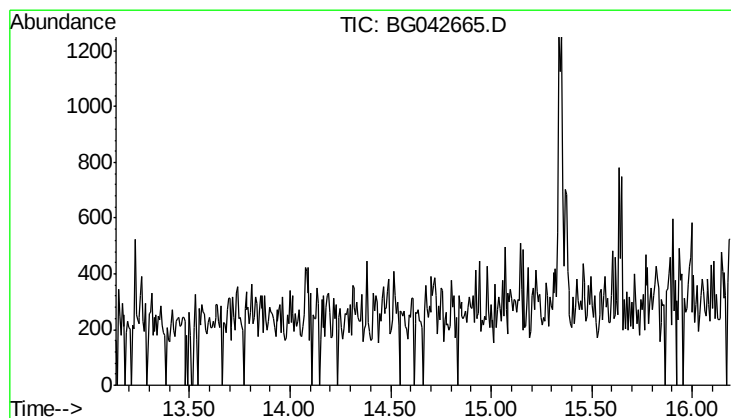
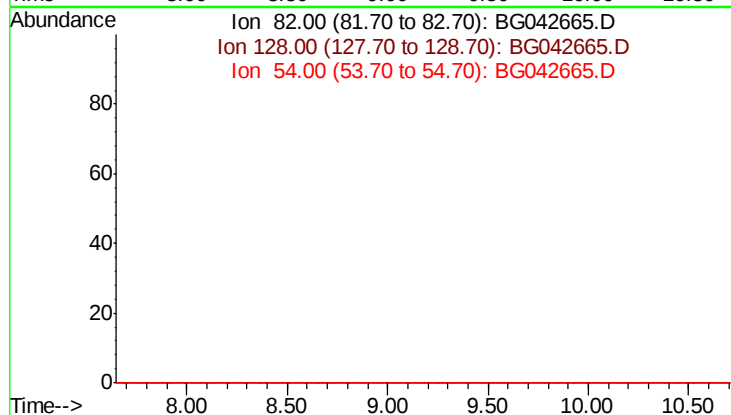




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.18 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

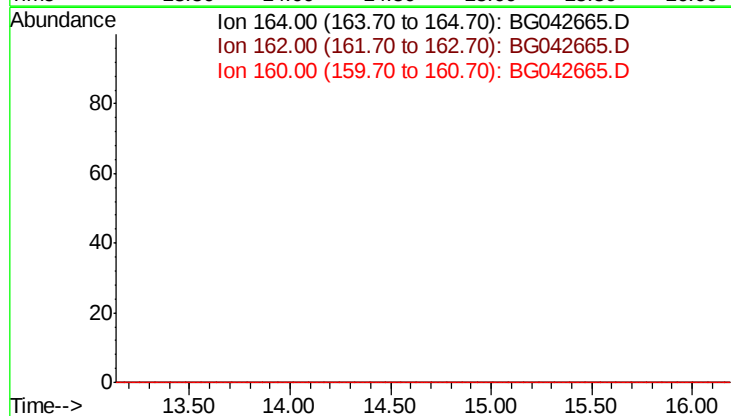
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

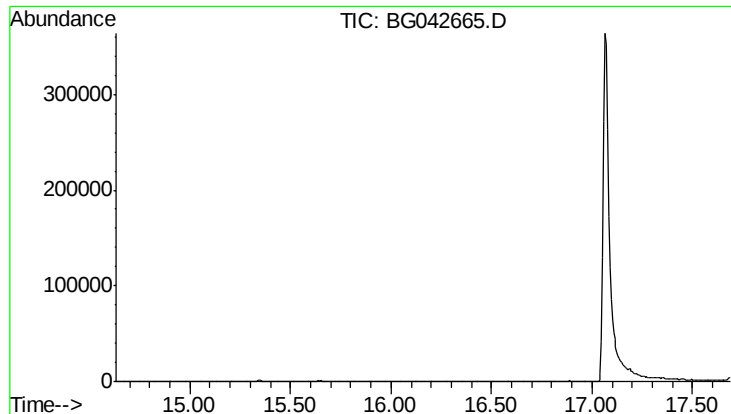
Tot Ion	82
Sig	Exp Ratio
82	100
128	50.9
54	45.4



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.66 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

Tgt Ion	164
Sig	Exp Ratio
164	100
162	99.9
160	42.9

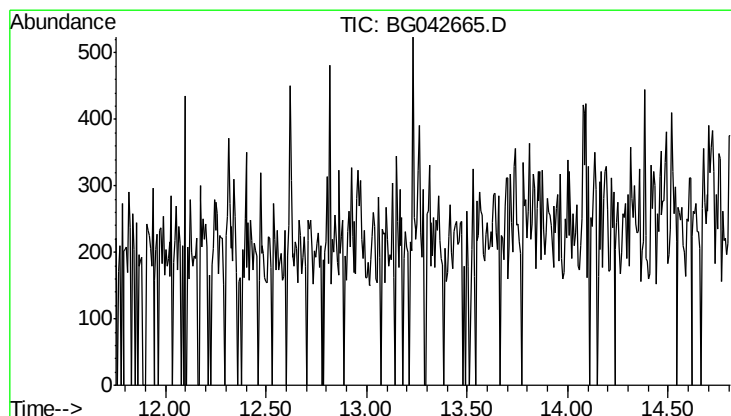
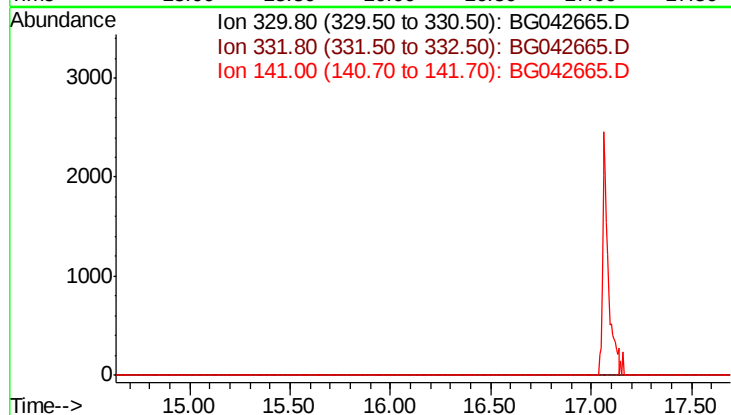




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.16 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

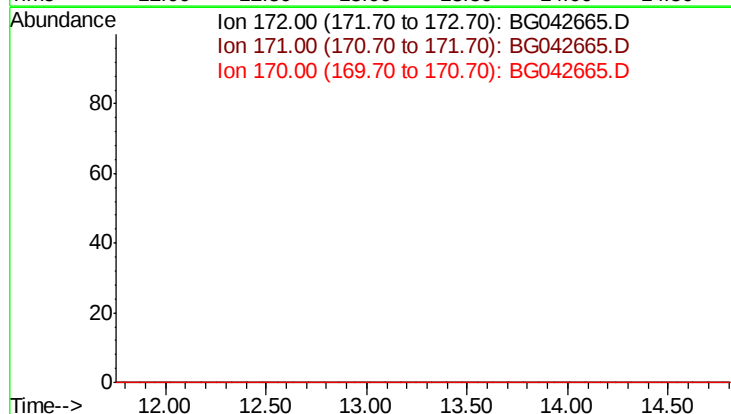
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

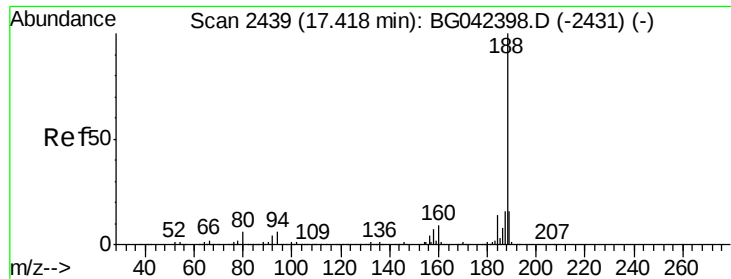
Tot Ion	330	332	141
Sig	100	96.7	26.7
Exp Ratio			



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.28 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

Tgt Ion	172	171	170
Sig	100	38.1	25.2
Exp Ratio			

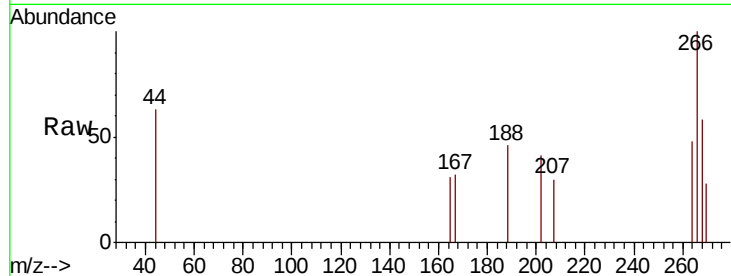




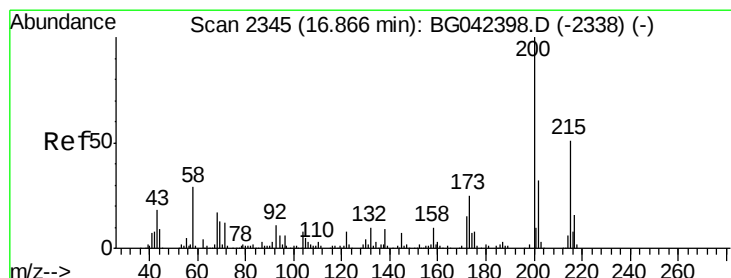
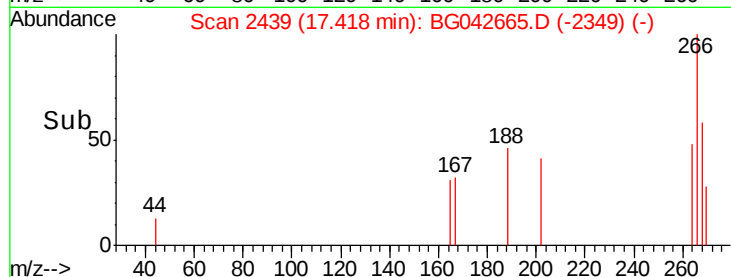
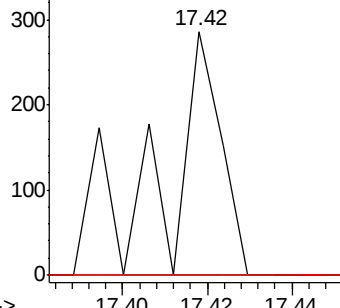
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tot Ion:188 Resp: 217
Ion Ratio Lower Upper
188 100
94 0.0 4.5 6.7#
80 0.0 4.9 7.3#

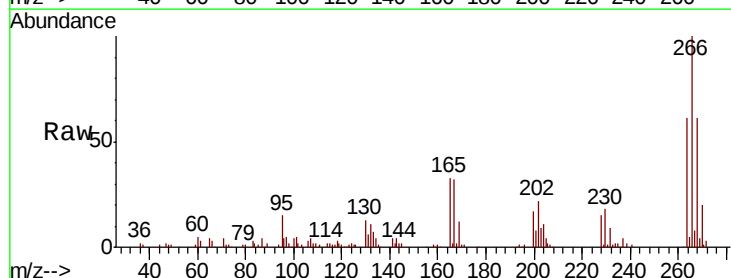


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

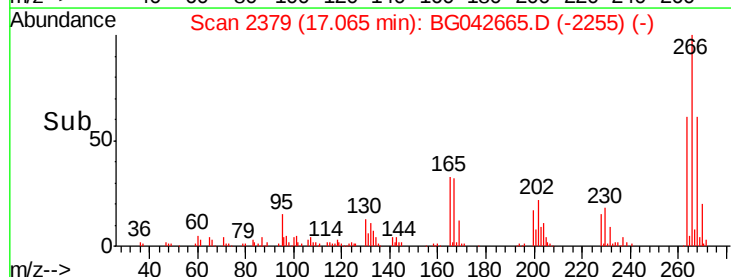
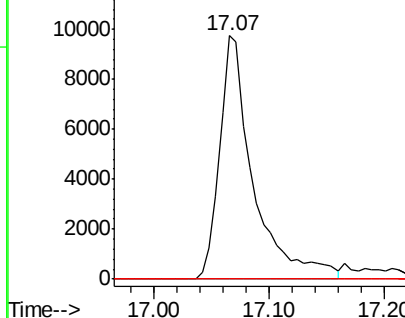


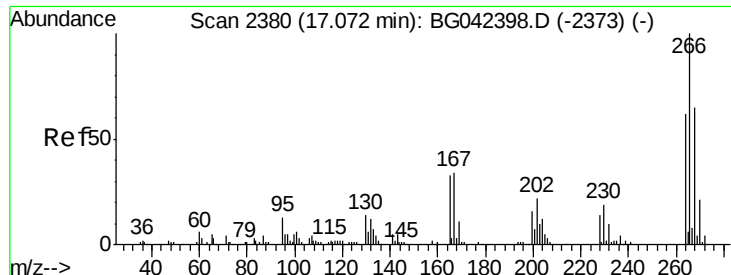
#69
Atrazine
Concen: 9306.997 ng
RT: 17.07 min Scan# 2379
Delta R.T. 0.20 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion:200 Resp: 19641
Ion Ratio Lower Upper
200 100
173 0.0 4.9 44.9#
215 0.0 30.7 70.7#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

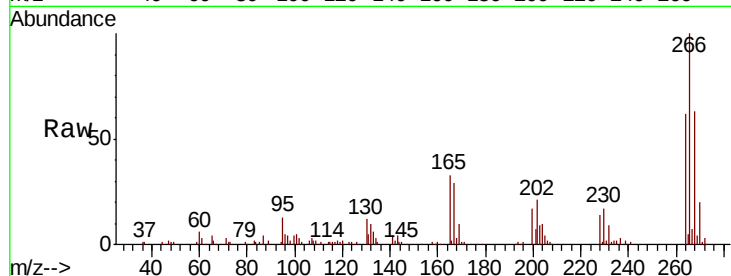




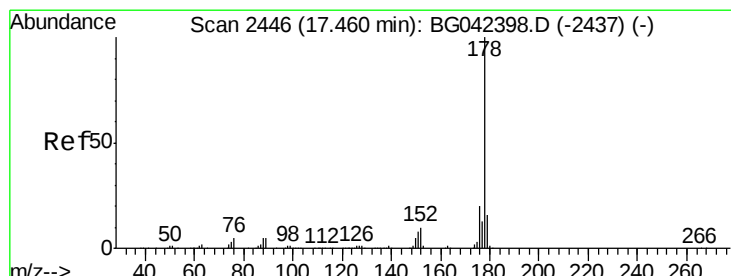
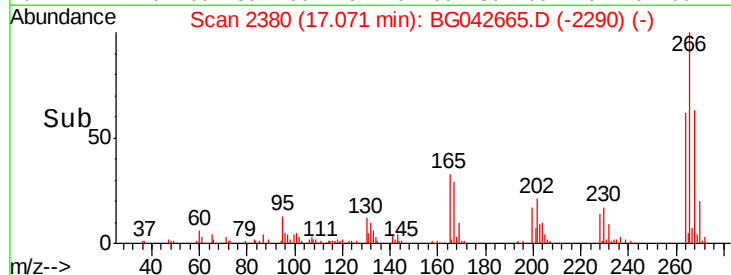
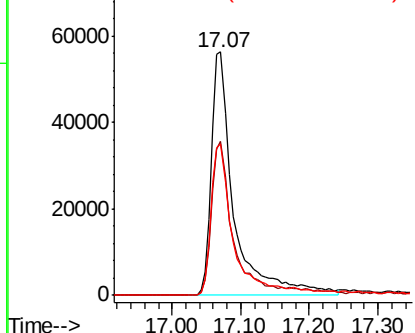
#70
 Pentachlorophenol
 Concen: 82747.267 ng
 RT: 17.07 min Scan# 2380
 Delta R.T. -0.00 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.3	52.1	78.1
264	62.1	49.4	74.2

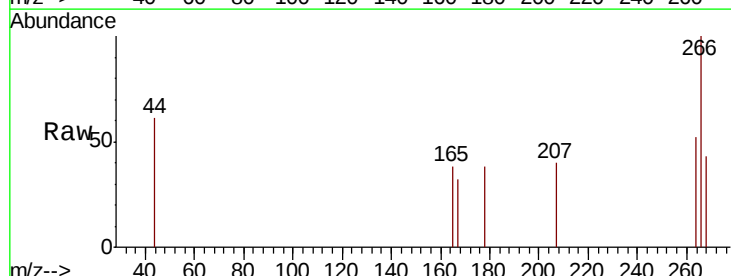


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

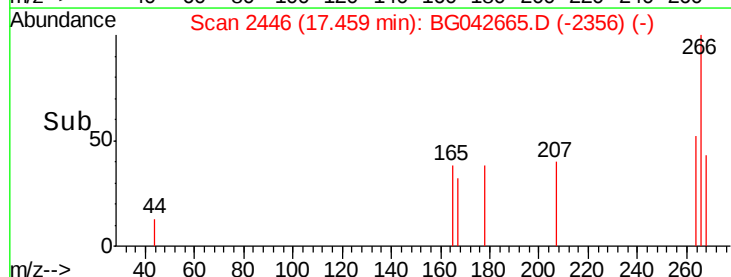
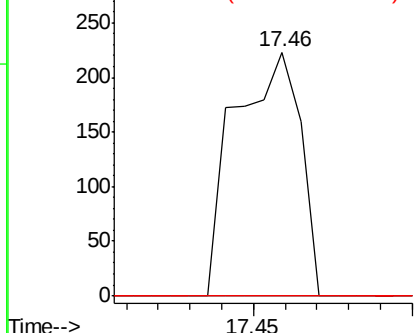


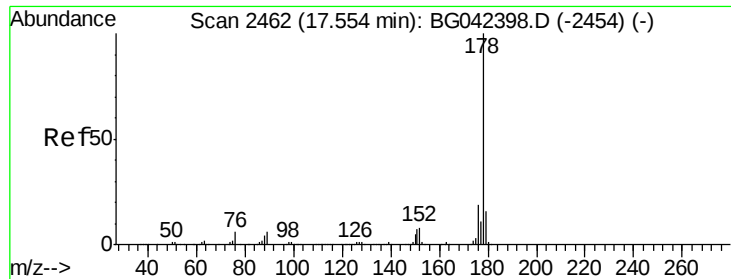
#71
 Phenanthrene
 Concen: 29.688 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG042665.D
 Acq: 1 Sep 2019 16:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.9	23.9#
179	0.0	12.7	19.1#



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





#72

Anthracene

Concen: 16.914 ng

RT: 17.56 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

DFTPP

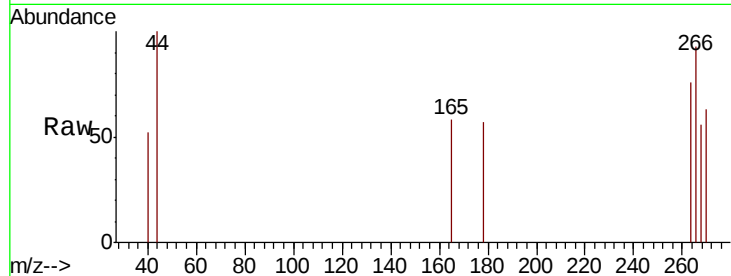
Tot Ion:178 Resp: 182

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

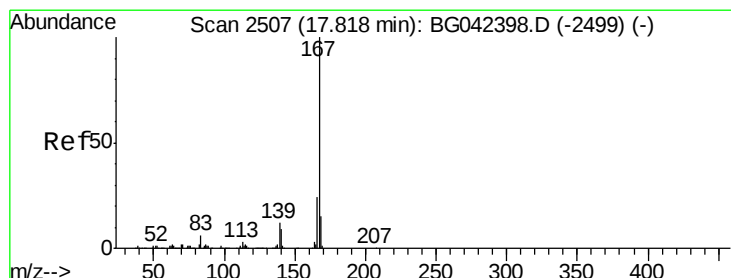
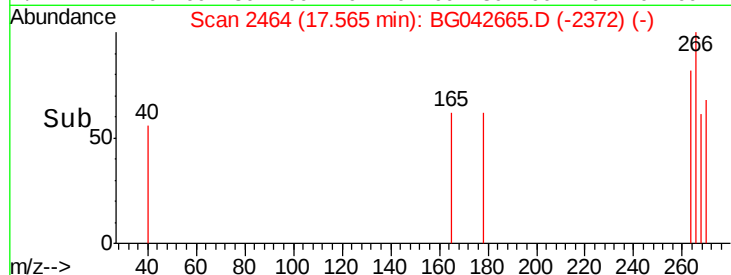
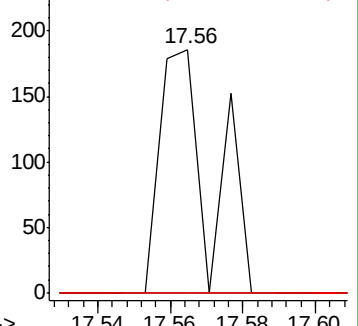
179 0.0 12.9 19.3#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 670.167 ng

RT: 17.85 min Scan# 2512

Delta R.T. 0.03 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

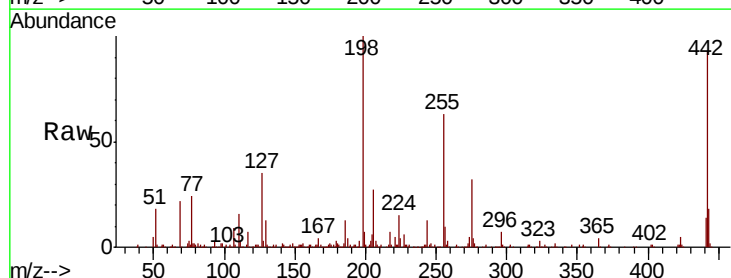
Tgt Ion:167 Resp: 6427

Ion Ratio Lower Upper

167 100

166 20.5 18.9 28.3

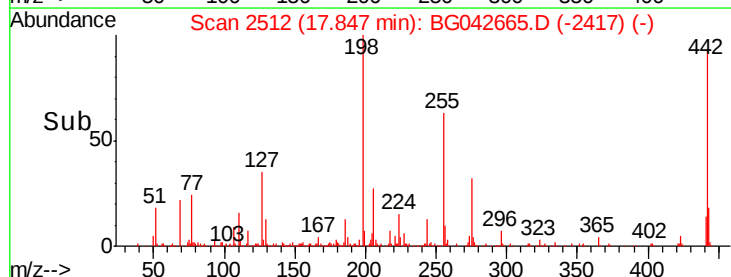
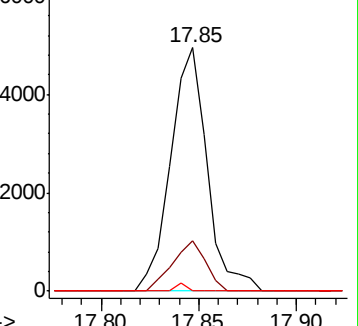
139 0.0 9.8 14.6#

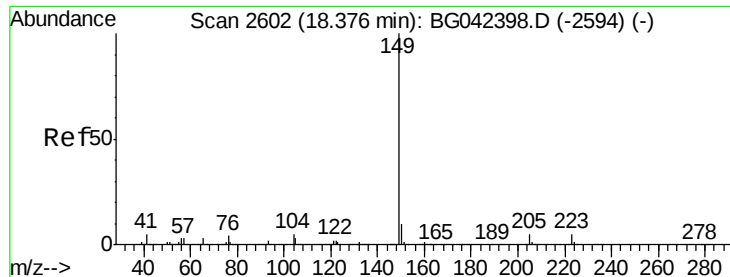


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

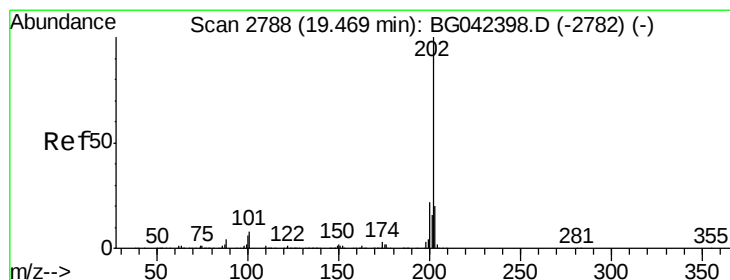
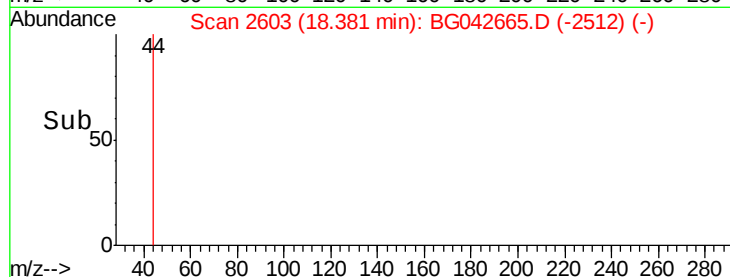
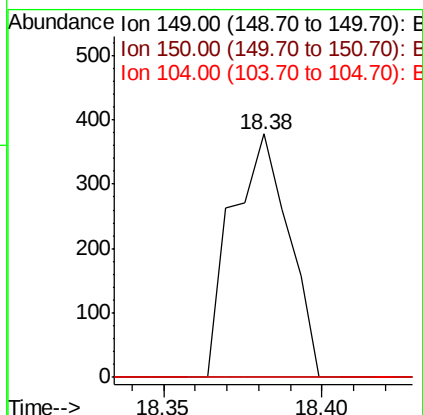
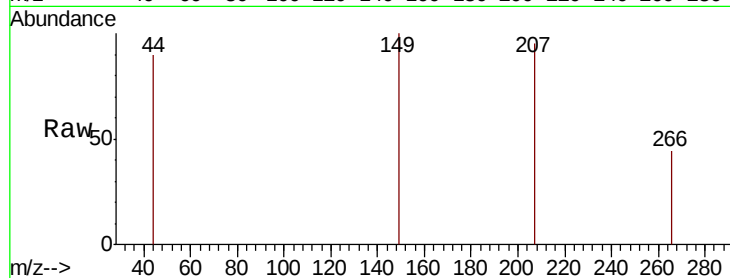




#74
Di-n-butylphthalate
Concen: 41.371 ng
RT: 18.38 min Scan# 2603
Delta R.T. 0.01 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

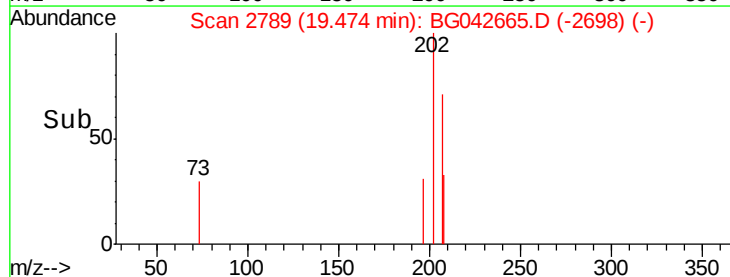
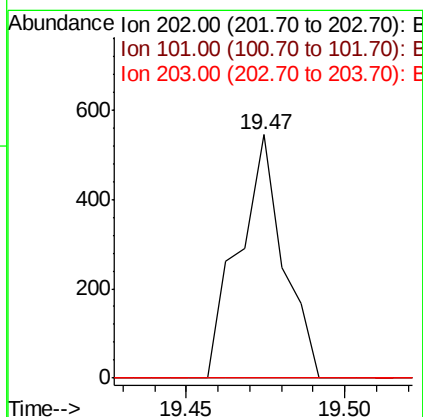
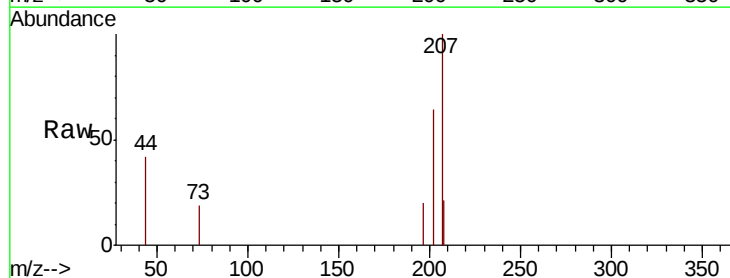
Instrument :
BNA_G
ClientSampleId :
DFTPP

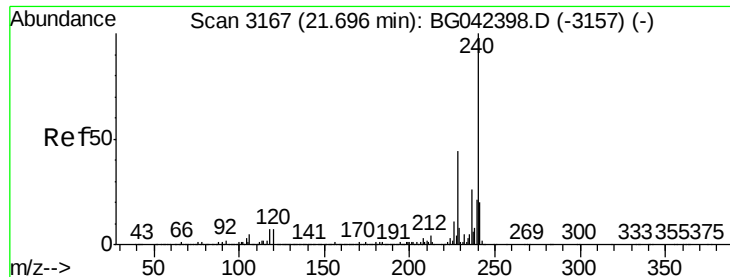
Tot Ion:149 Resp: 469
Ion Ratio Lower Upper
149 100
150 0.0 8.1 12.1#
104 0.0 3.7 5.5#



#75
Fluoranthene
Concen: 40.442 ng
RT: 19.47 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion:202 Resp: 532
Ion Ratio Lower Upper
202 100
101 0.0 0.0 28.3
203 0.0 0.0 39.6

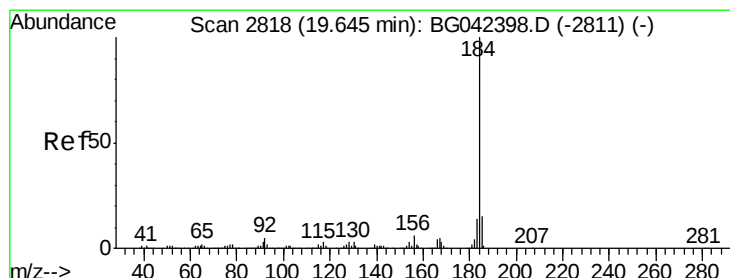
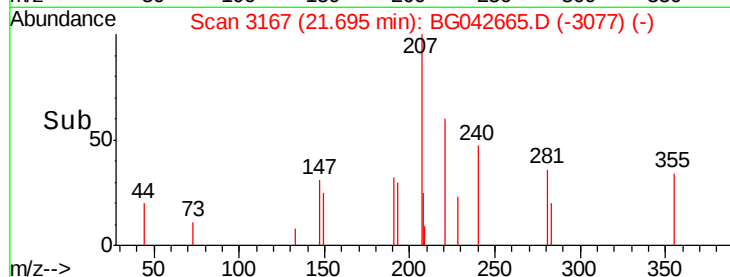
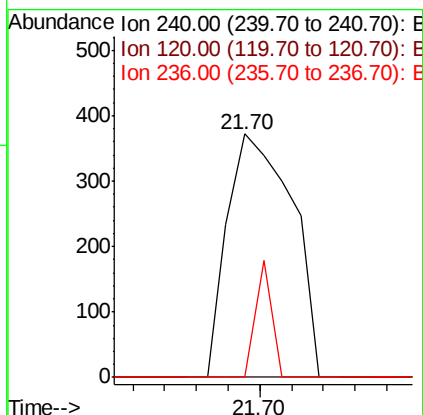
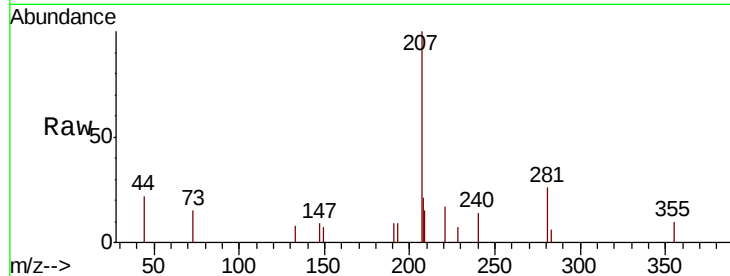




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

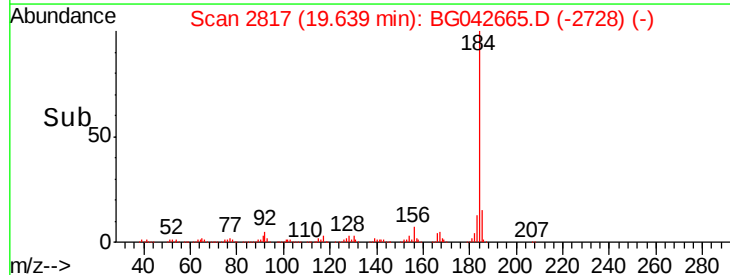
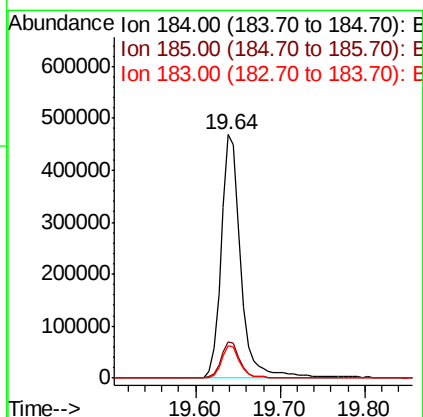
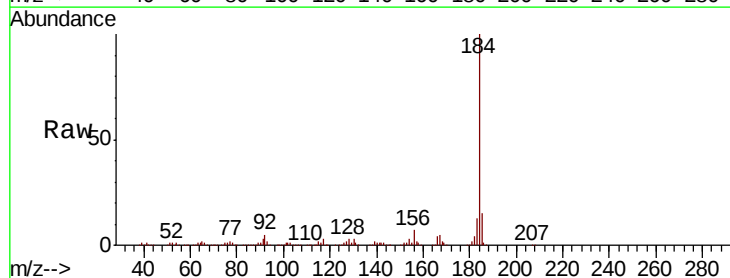
Instrument :
BNA_G
ClientSampleId :
DFTPP

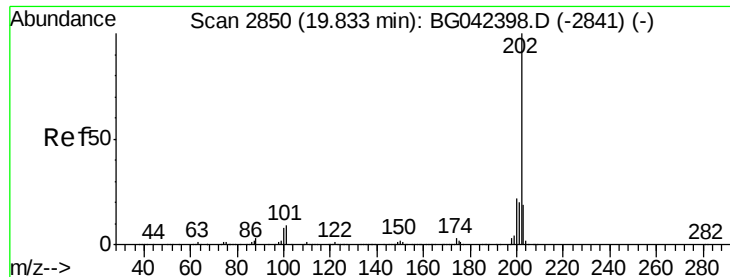
Tot Ion:240 Resp: 526
Ion Ratio Lower Upper
240 100
120 0.0 5.7 8.5#
236 0.0 21.0 31.4#



#77
Benzidine
Concen: 49941.902 ng
RT: 19.64 min Scan# 2817
Delta R.T. -0.01 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion:184 Resp: 753156
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.4
183 13.3 10.8 16.2





#78

Pvrene

Concen: 20.652 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

DFTPP

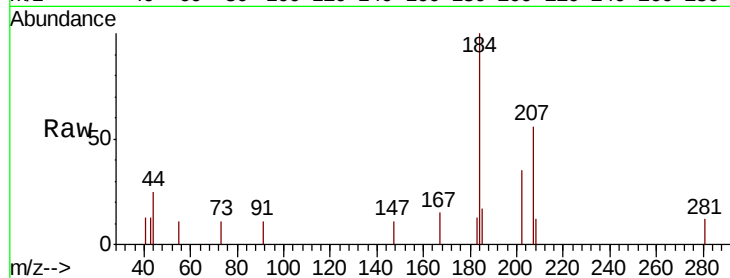
Tot Ion:202 Resp: 666

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

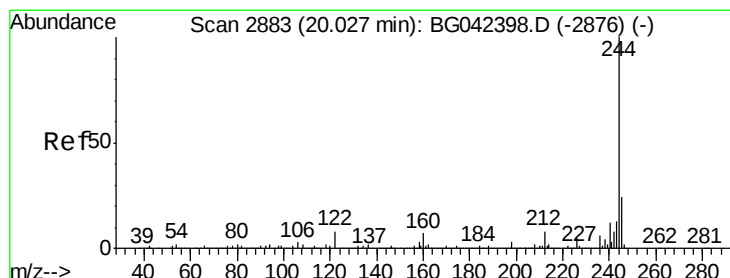
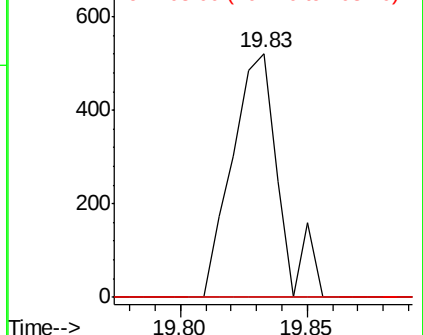
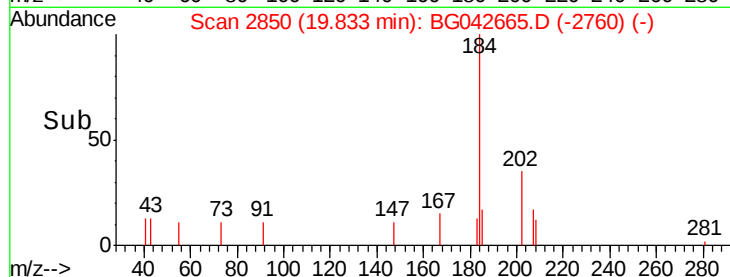
203 0.0 15.5 23.3#



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: 51.746 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

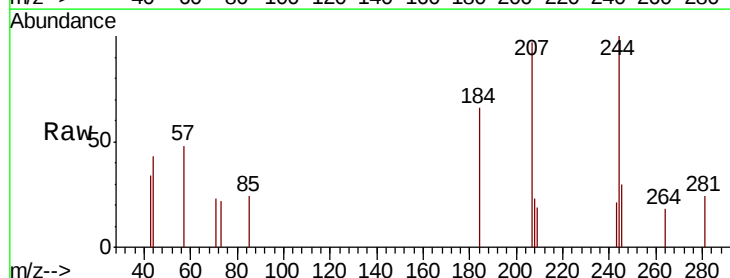
Tgt Ion:244 Resp: 1259

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

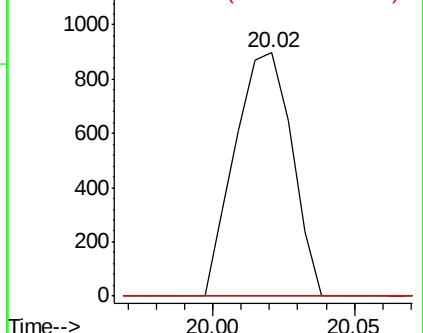
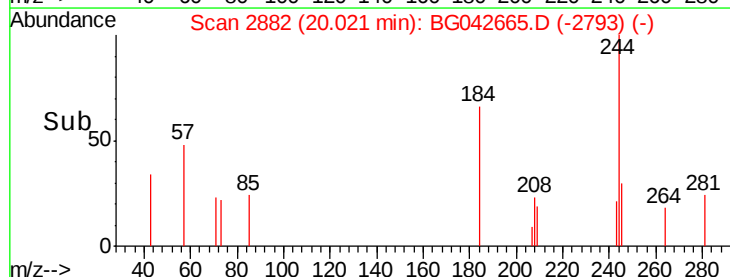
122 0.0 6.7 10.1#

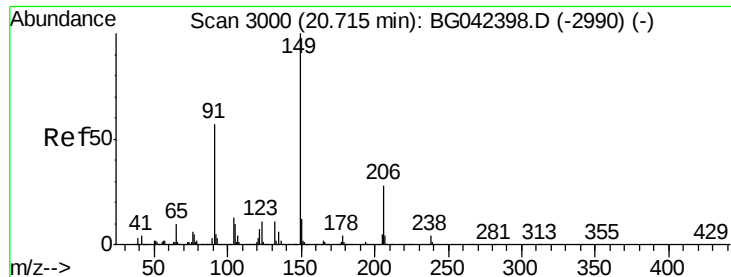


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Butylbenzylphthalate

Concen: 21.365 ng

RT: 20.71 min Scan# 2999

Delta R.T. -0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

DFTPP

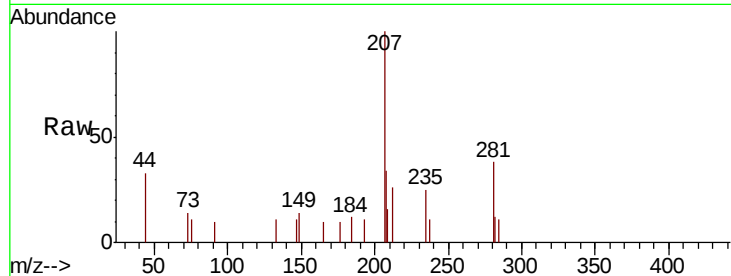
Tot Ion:149 Resp: 271

Ion Ratio Lower Upper

149 100

91 71.6 45.9 68.9#

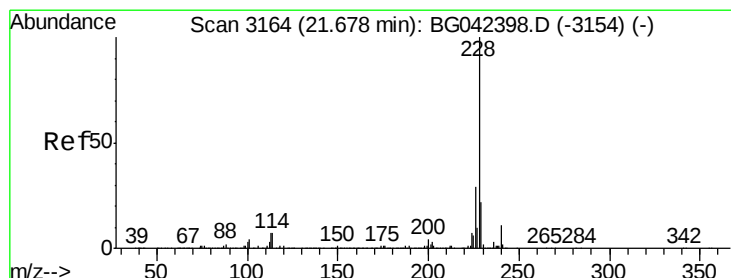
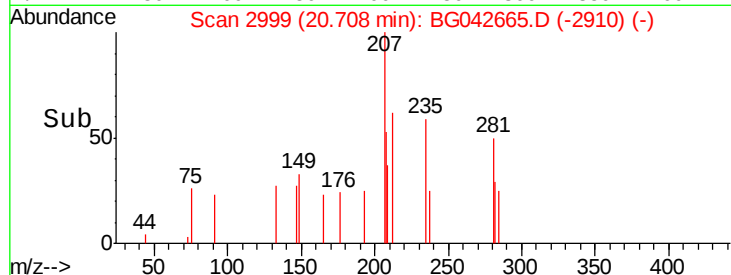
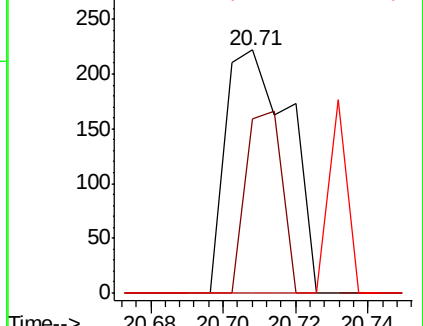
206 0.0 22.5 33.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#81

Benzo(a)anthracene

Concen: 17.314 ng

RT: 21.68 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

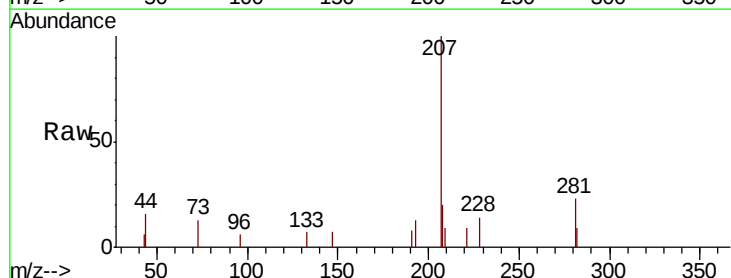
Tgt Ion:228 Resp: 554

Ion Ratio Lower Upper

228 100

226 0.0 23.4 35.2#

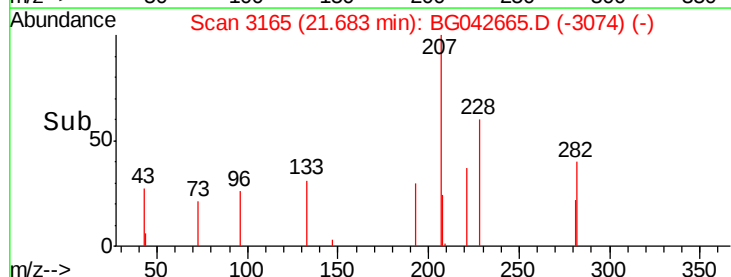
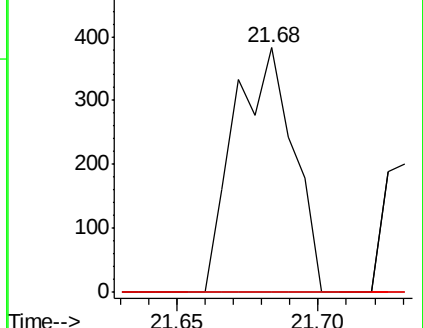
229 0.0 17.4 26.2#

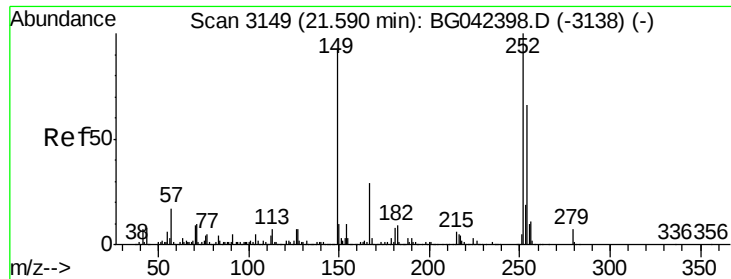


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 62.243 ng

RT: 21.60 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampled :

DFTPP

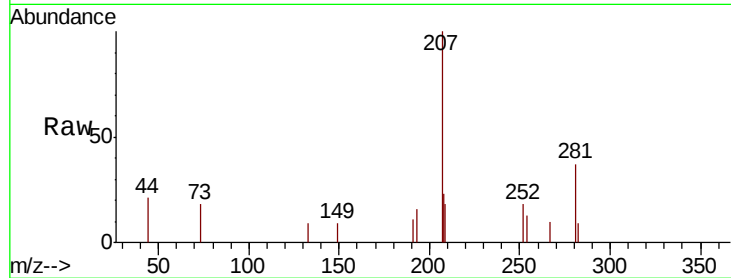
Tot Ion:252 Resp: 801

Ion Ratio Lower Upper

252 100

254 73.6 53.0 79.4

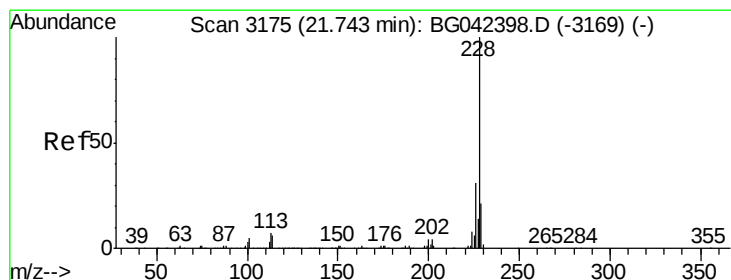
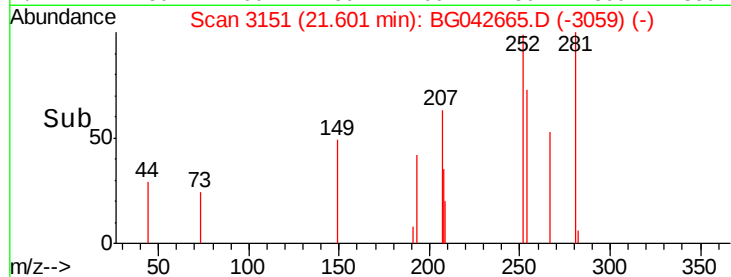
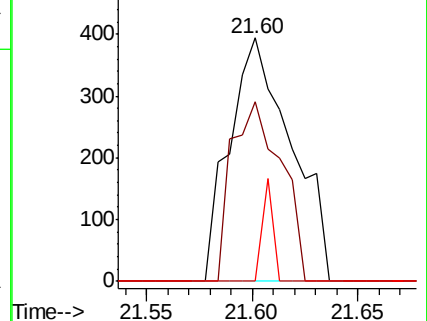
126 0.0 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 24.272 ng

RT: 21.75 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

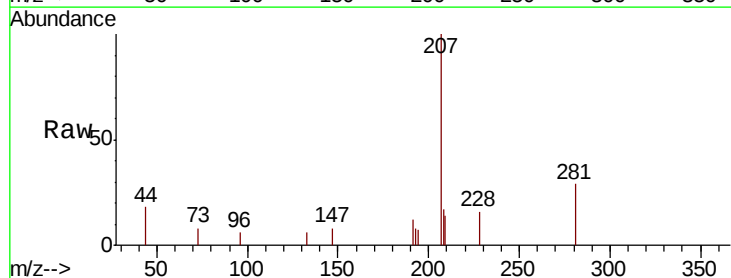
Tgt Ion:228 Resp: 749

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

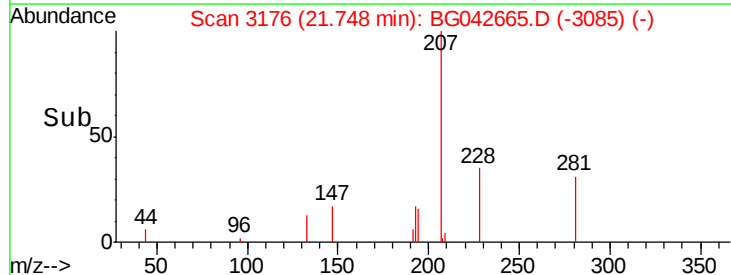
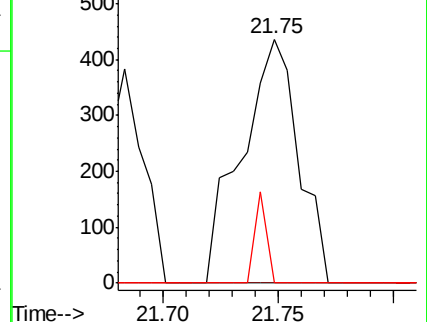
229 0.0 16.9 25.3#

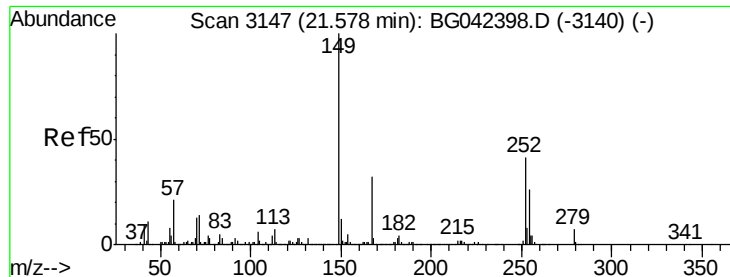


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 67.741 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

Instrument :

BNA_G

ClientSampleId :

DFTPP

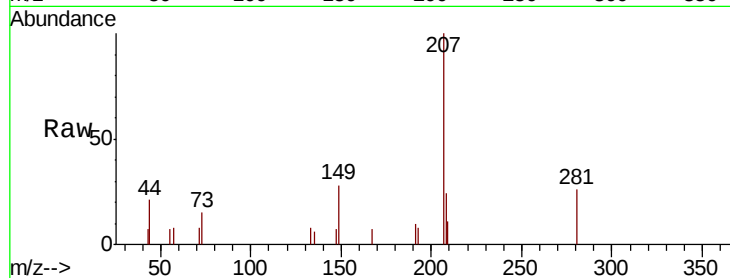
Tot Ion:149 Resp: 1193

Ion Ratio Lower Upper

149 100

167 25.7 26.0 39.0#

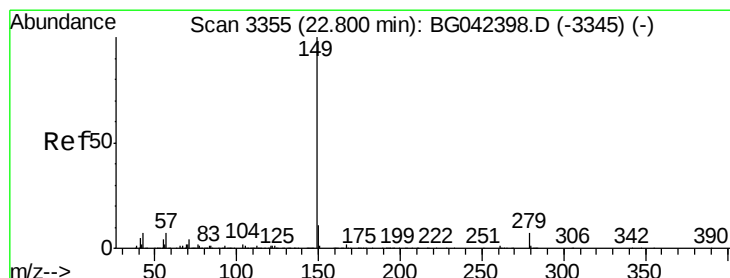
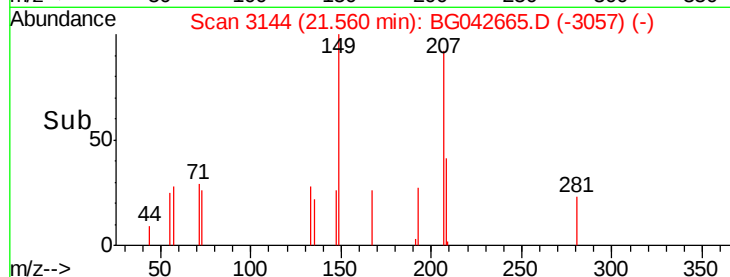
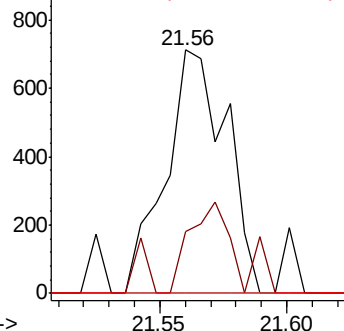
279 0.0 5.4 8.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 25.355 ng

RT: 22.78 min Scan# 3351

Delta R.T. -0.02 min

Lab File: BG042665.D

Acq: 1 Sep 2019 16:03

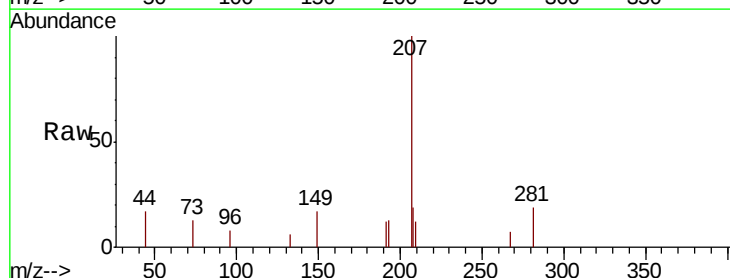
Tgt Ion:149 Resp: 768

Ion Ratio Lower Upper

149 100

167 0.0 1.6 2.4#

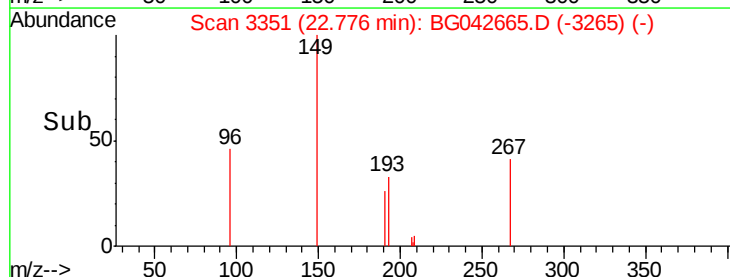
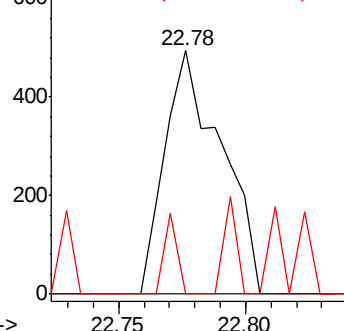
43 0.0 5.3 7.9#

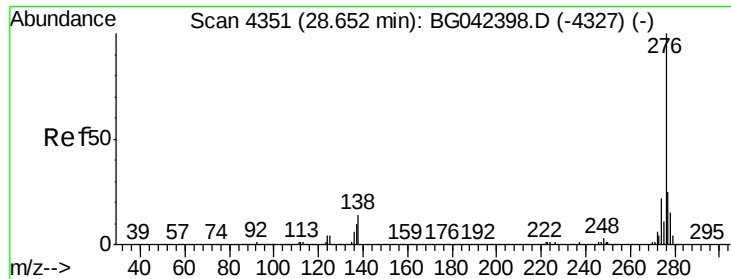


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

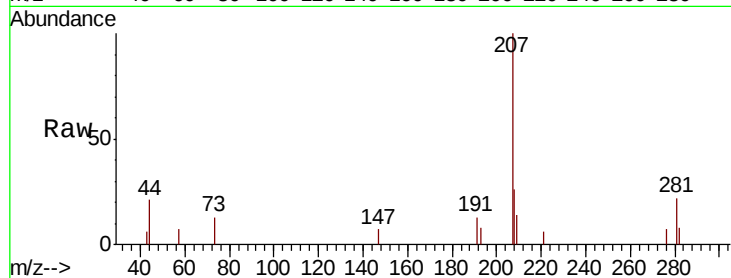




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.340 ng
RT: 28.70 min Scan# 4360
Delta R.T. 0.05 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

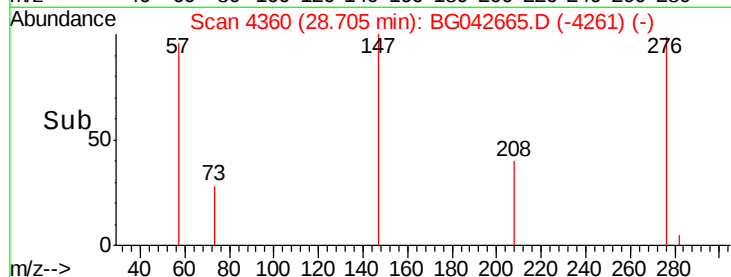
Instrument :
BNA_G
ClientSampleId :
DFTPP

Tot Ion:276 Resp: 182
Ion Ratio Lower Upper
276 100
138 0.0 9.2 13.8#
277 0.0 21.0 31.6#

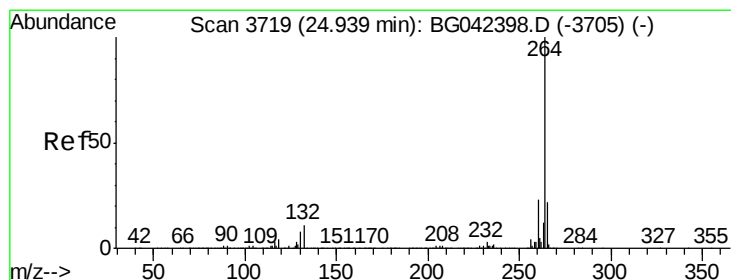


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

28.70

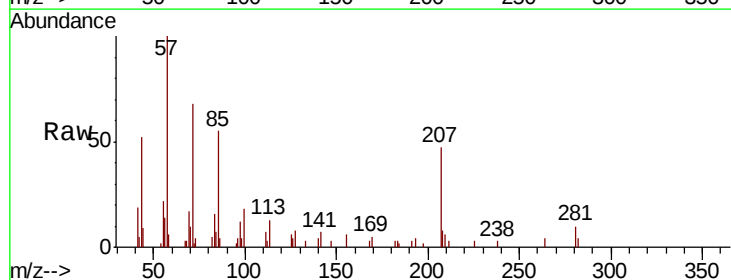


Time-->



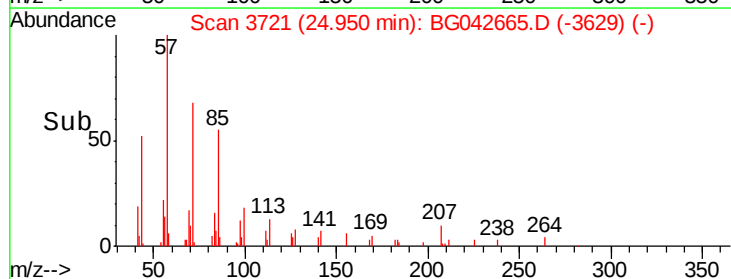
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3721
Delta R.T. 0.01 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion:264 Resp: 508
Ion Ratio Lower Upper
264 100
260 0.0 18.5 27.7#
265 0.0 17.6 26.4#

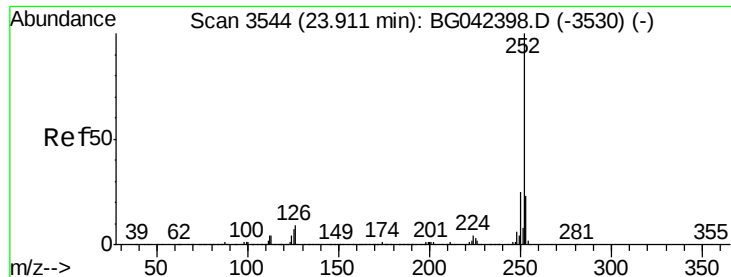


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

24.95



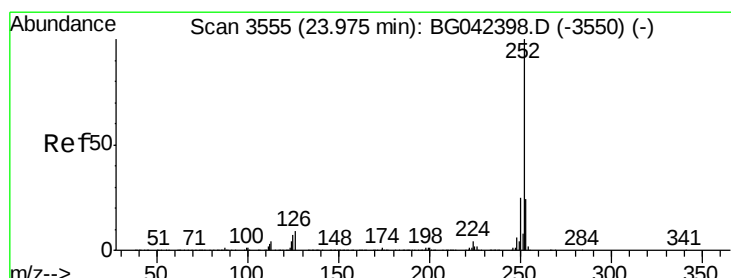
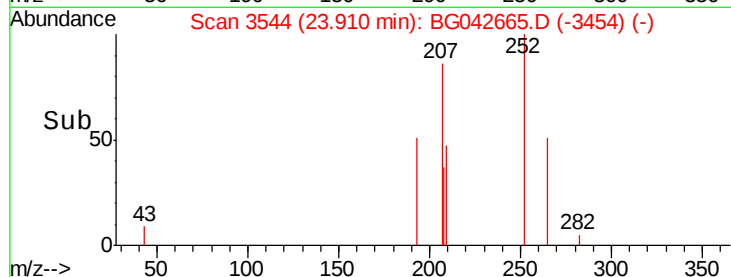
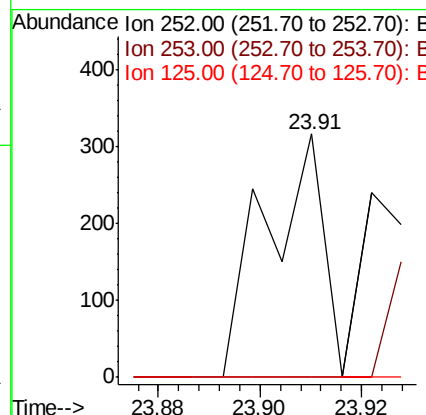
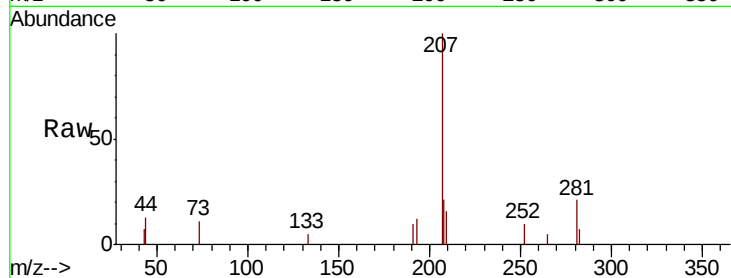
Time-->



#88
Benzo(b)fluoranthene
Concen: 8.987 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

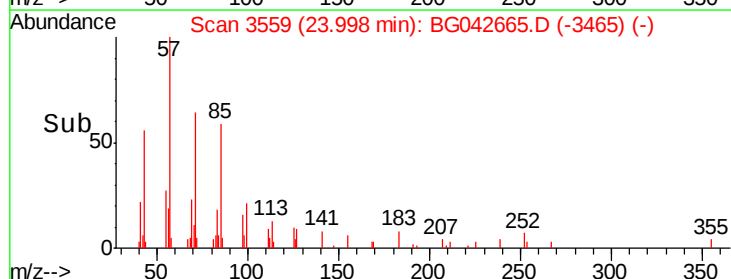
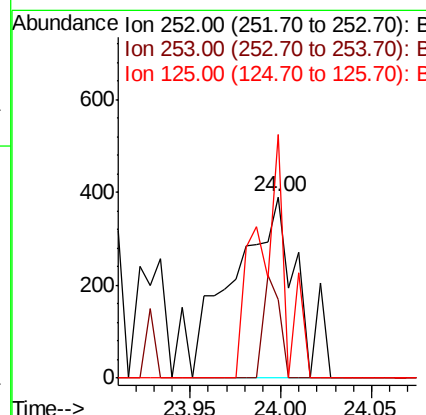
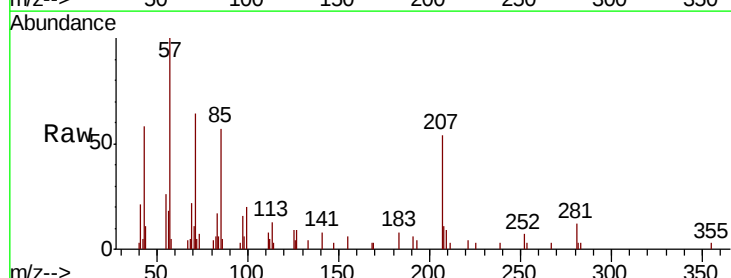
Instrument :
BNA_G
ClientSampleId :
DFTPP

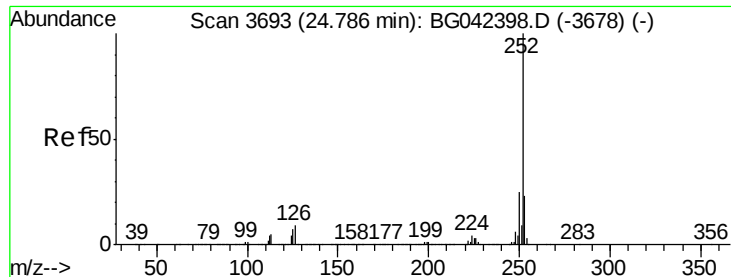
Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.6	27.8#
125	0.0	5.6	8.4#



#89
Benzo(k)fluoranthene
Concen: 35.240 ng
RT: 24.00 min Scan# 3559
Delta R.T. 0.02 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.6	18.6	27.8#
125	134.4	5.8	8.6#

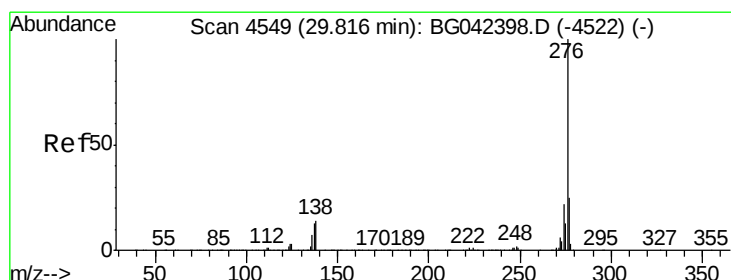
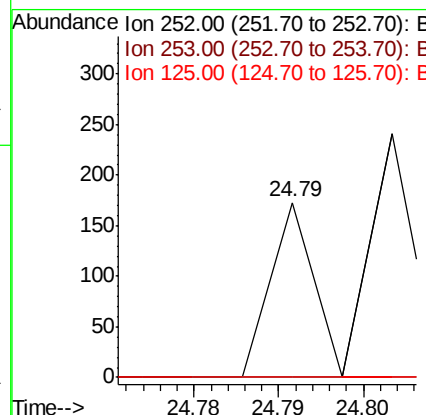
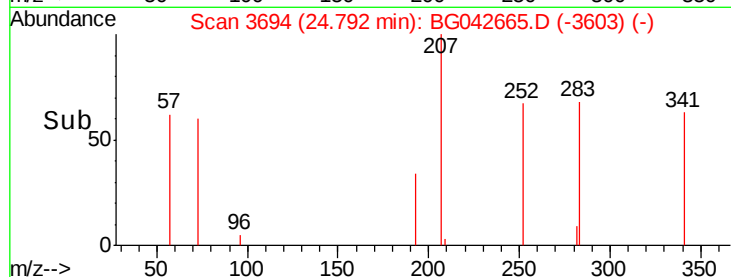
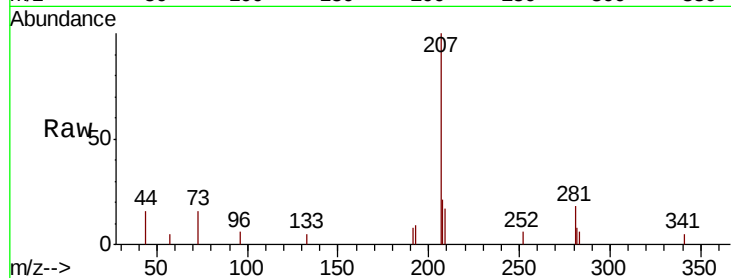




#90
Benzo(a)pyrene
Concen: 2.302 ng
RT: 24.79 min Scan# 3694
Delta R.T. 0.01 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Instrument :
BNA_G
ClientSampled :
DFTPP

Tot Ion:252 Resp: 61
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 0.0 6.0 9.0#



#92
Benzo(g,h,i)perylene
Concen: 2.273 ng
RT: 29.83 min Scan# 4552
Delta R.T. 0.02 min
Lab File: BG042665.D
Acq: 1 Sep 2019 16:03

Tgt Ion:276 Resp: 61
Ion Ratio Lower Upper
276 100
277 0.0 19.8 29.8#
138 0.0 11.4 17.0#

