

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
 Data File : BG046469.D
 Acq On : 31 Aug 2020 14:28
 Operator : CG/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Aug 31 18:02:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 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	-7.93
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.73
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.56
64) Phenanthrene-d10	17.75	188	297	20.00	ng	0.45
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.56
86) Perylene-d12	24.66	264	4075	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	19.91	244	1999	0.00	ng	0.00

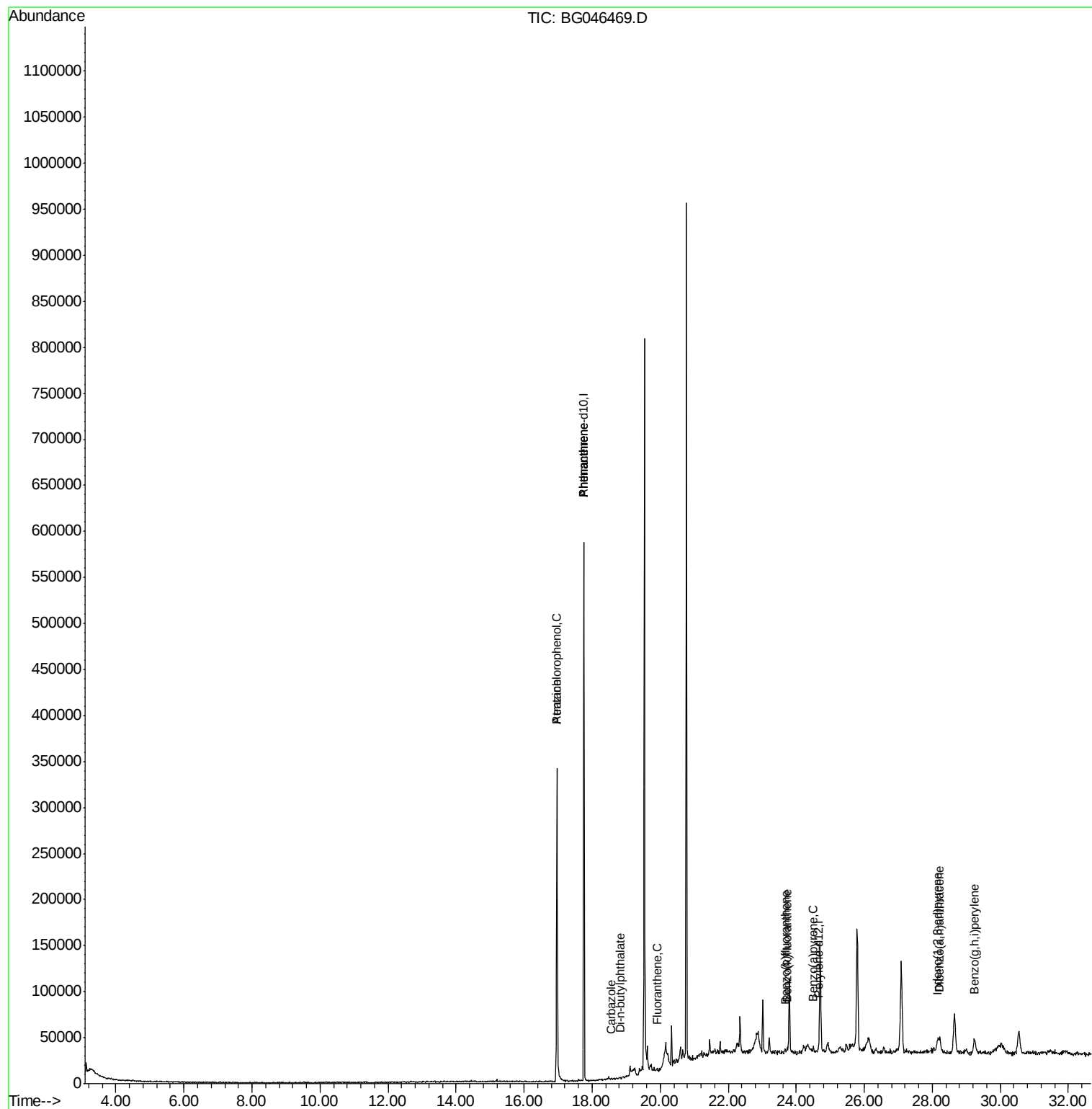
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
69) Atrazine	16.96	200	14572	4458.052	ng	# 35
70) Pentachlorophenol	16.96	266	80254	40027.146	ng	# 98
71) Phenanthrene	17.76	178	377	25.043	ng	# 1
72) Anthracene	17.76	178	377	25.382	ng	# 1
73) Carbazole	18.56	167	882	62.895	ng	# 57
74) Di-n-butylphthalate	18.83	149	57	3.535	ng	# 77
75) Fluoranthene	19.90	202	67	3.458	ng	# 62
87) Indeno(1,2,3-cd)pyrene	28.15	276	27986	95.621	ng	# 81
88) Benzo(b)fluoranthene	23.67	252	4422	17.379	ng	# 87
89) Benzo(k)fluoranthene	23.74	252	3577	14.546	ng	# 87
90) Benzo(a)pyrene	24.50	252	7549	31.791	ng	# 91
91) Dibenzo(a,h)anthracene	28.21	278	24001	101.621	ng	# 99
92) Benzo(a,h,i)perylene	29.24	276	26912	114.108	ng	# 92

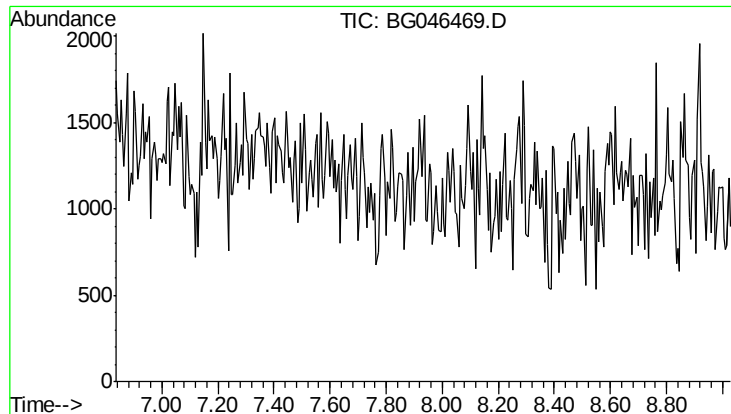
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 7.93 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

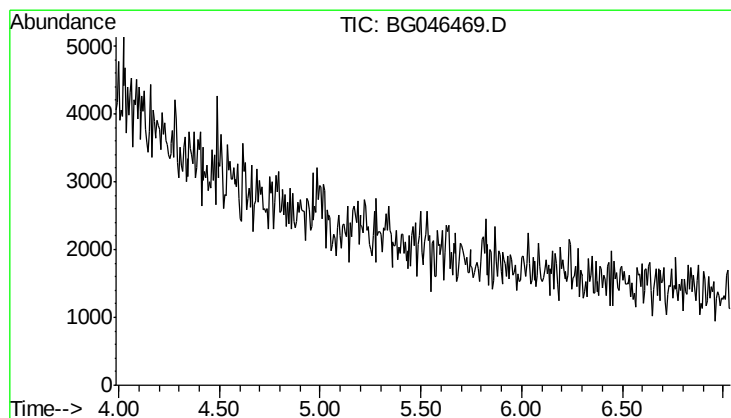
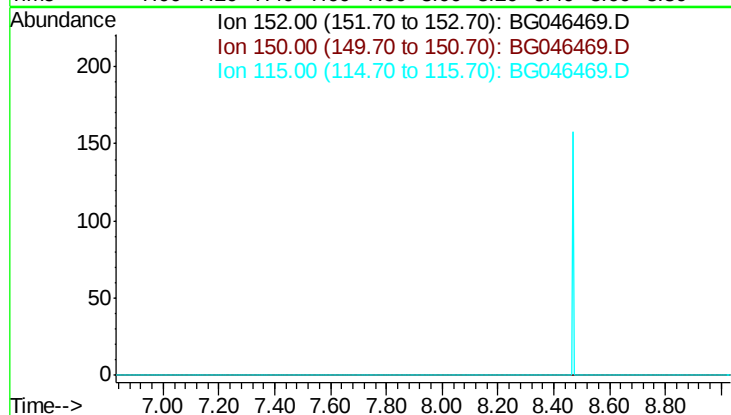
Tot Ion: 152

Sig Exp Ratio

152 100

150 149.4

115 55.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.51 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

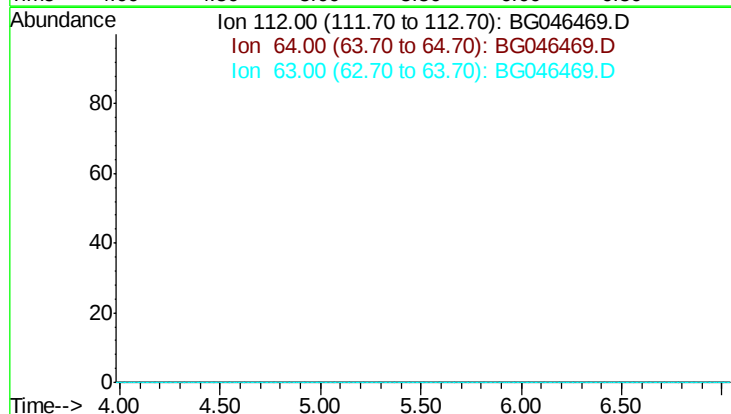
Tgt Ion: 112

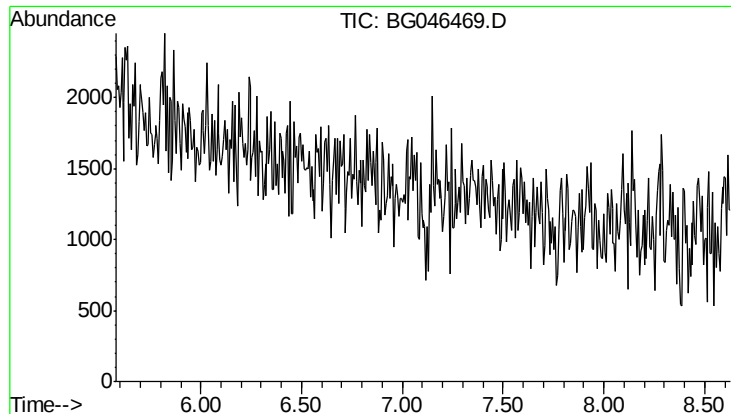
Sig Exp Ratio

112 100

64 58.8

63 29.4





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.10 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

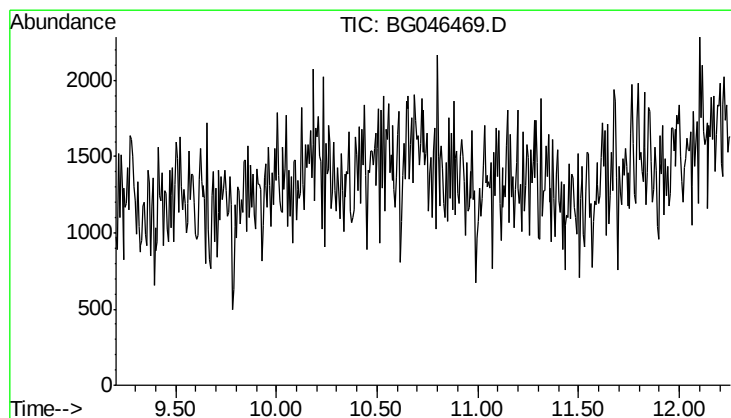
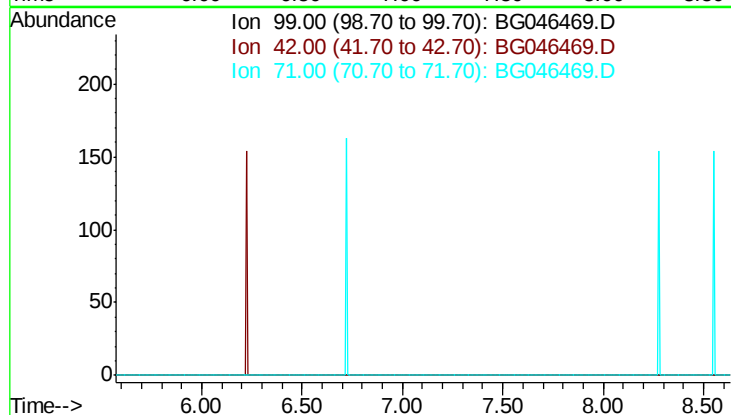
Tot Ion: 99

Sig Exp Ratio

99 100

42 16.6

71 31.6



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.73 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Tgt Ion: 136

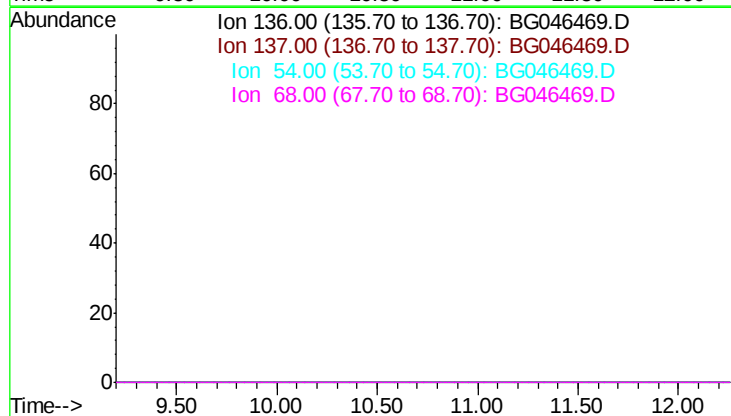
Sig Exp Ratio

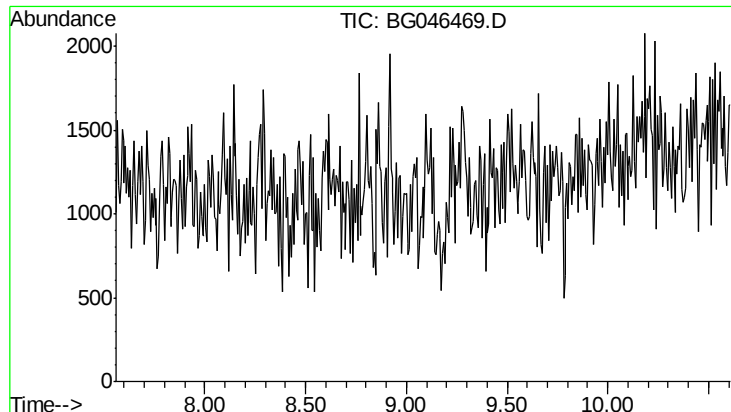
136 100

137 11.0

54 7.6

68 6.0

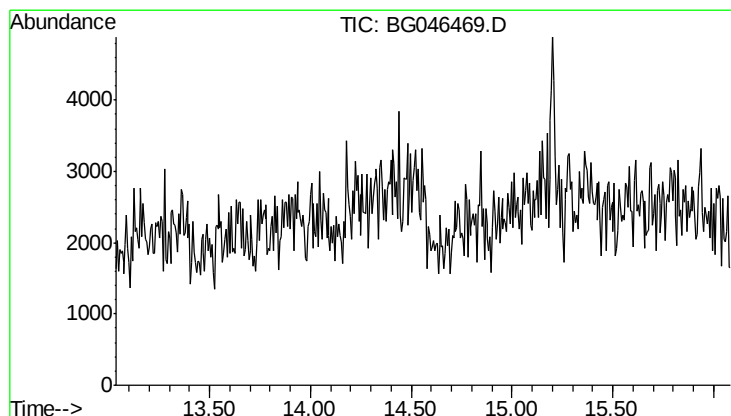
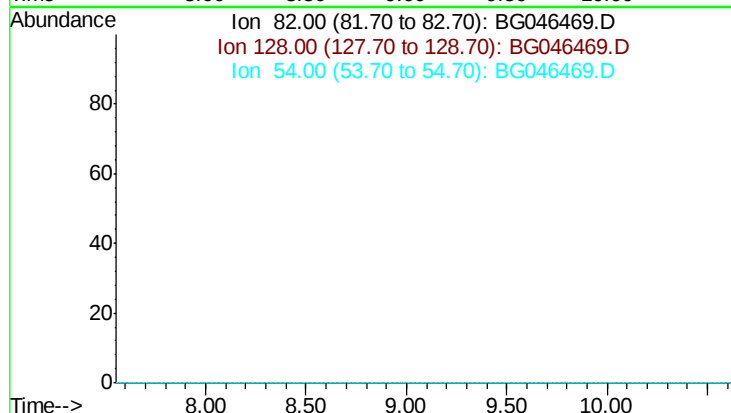




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.08 min
 Lab File: BG046469.D
 Acq: 31 Aug 2020 14:28

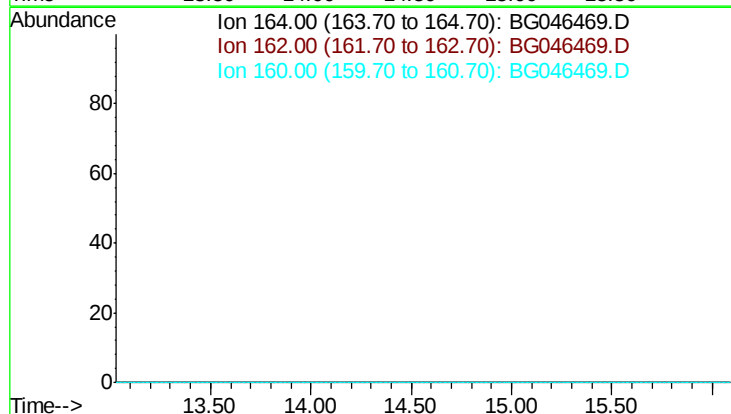
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

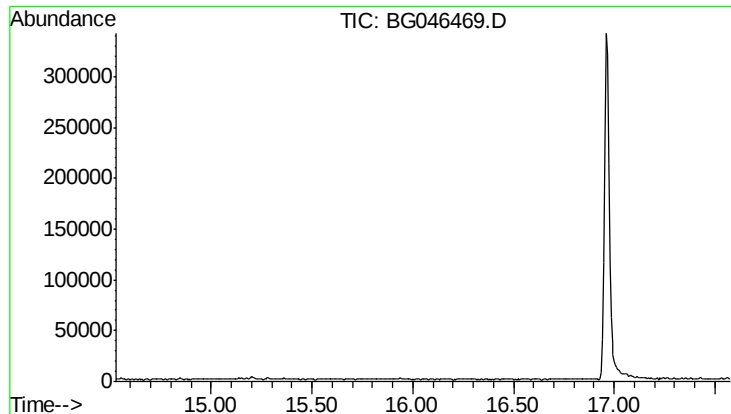
Tot Ion	82
Sig	Exp Ratio
82	100
128	44.6
54	49.2



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.56 min
 Lab File: BG046469.D
 Acq: 31 Aug 2020 14:28

Tgt Ion	164
Sig	Exp Ratio
164	100
162	104.1
160	43.8





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.05 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

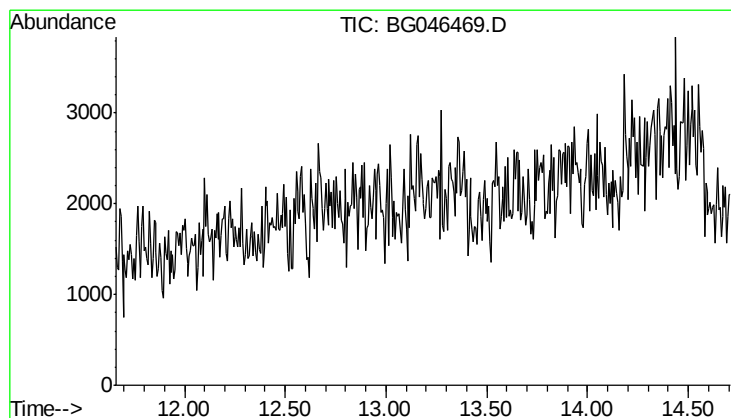
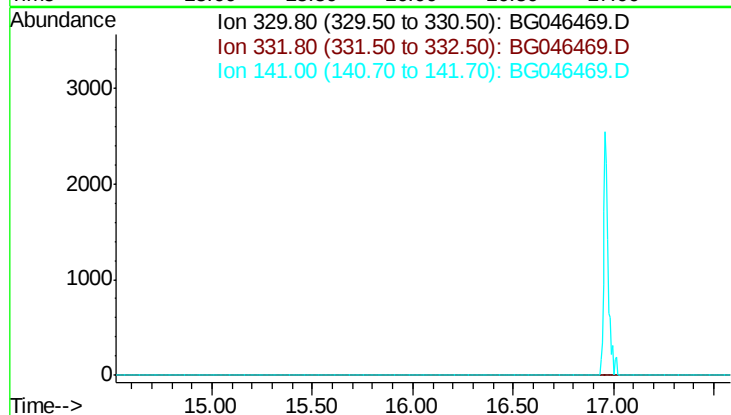
Tot Ion: 330

Sig Exp Ratio

330 100

332 95.1

141 32.6



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.19 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

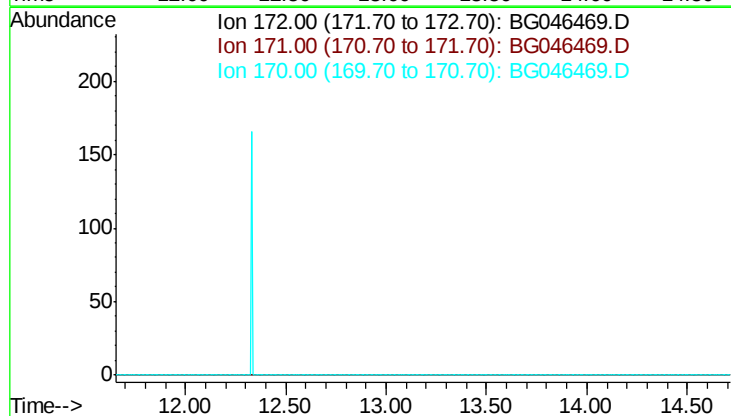
Tgt Ion: 172

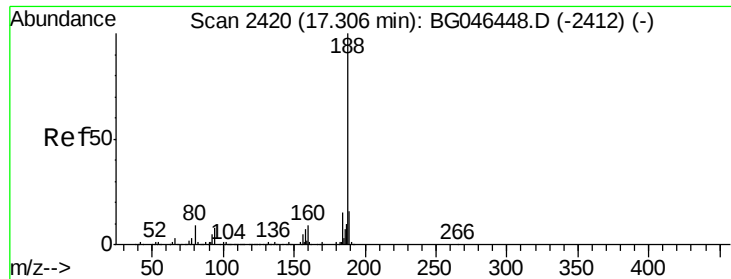
Sig Exp Ratio

172 100

171 39.7

170 25.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.75 min Scan# 2496

Delta R.T. 0.45 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

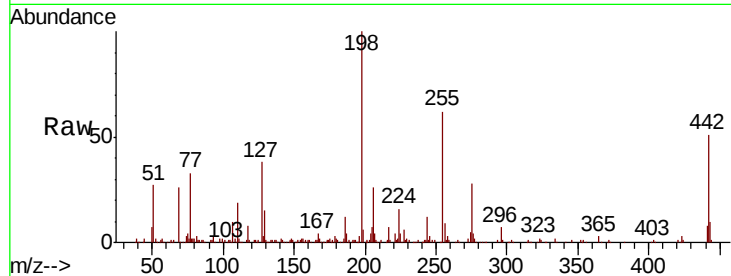
Tot Ion:188 Resp: 297

Ion Ratio Lower Upper

188 100

94 63.9 6.3 9.5#

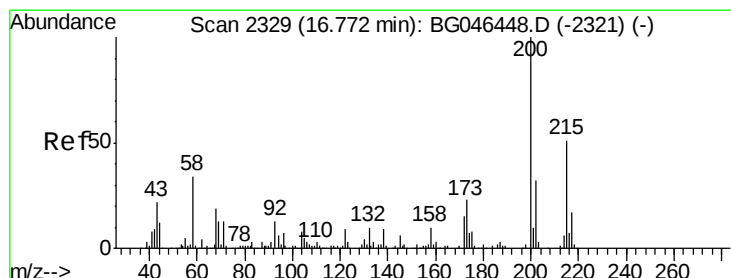
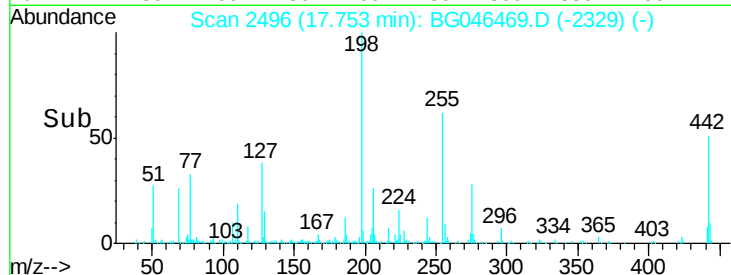
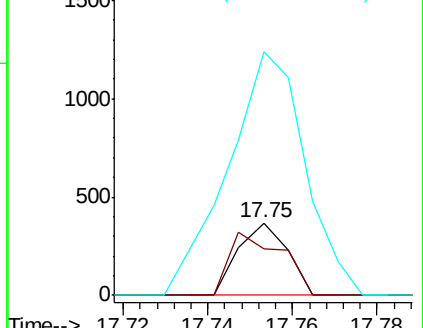
80 336.4 6.9 10.3#



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



#69

Atrazine

Concen: 4458.052 ng

RT: 16.96 min Scan# 2361

Delta R.T. 0.19 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

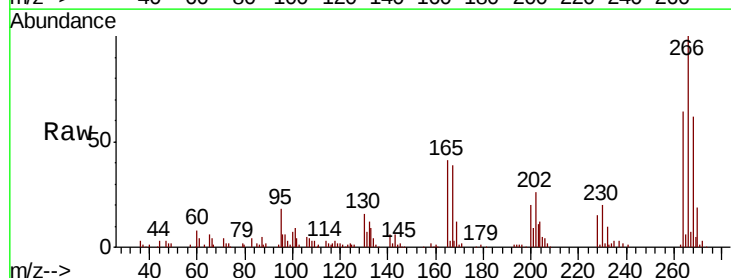
Tgt Ion:200 Resp: 14572

Ion Ratio Lower Upper

200 100

173 0.0 3.3 43.3#

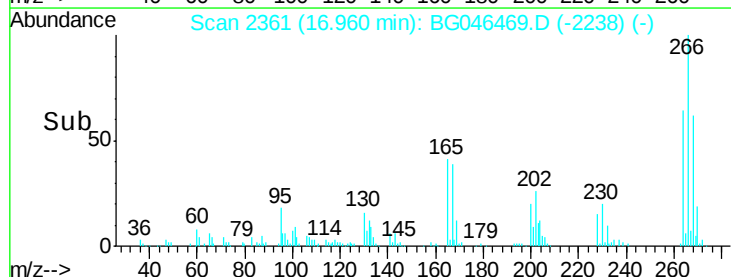
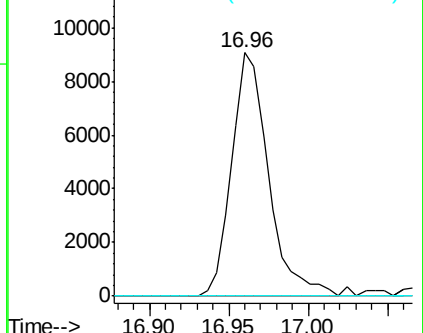
215 0.0 30.9 70.9#

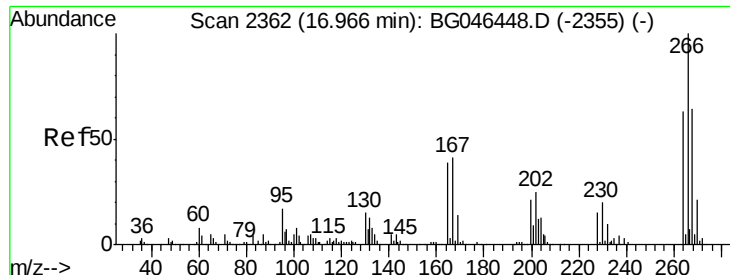


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

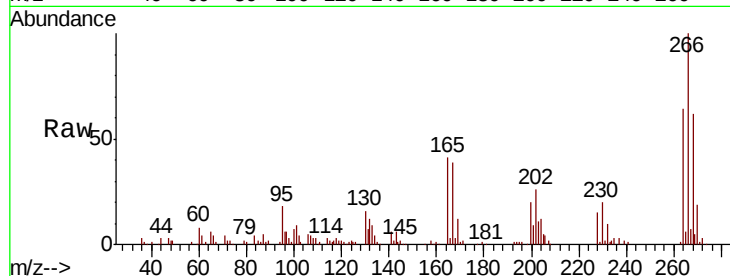




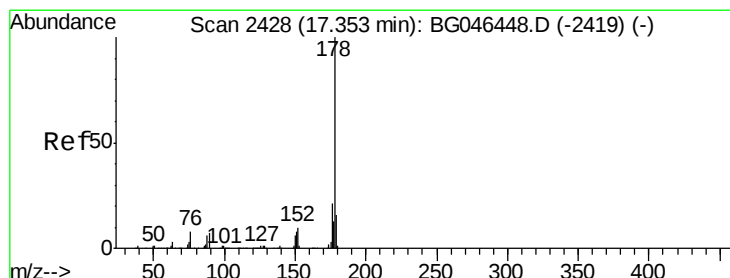
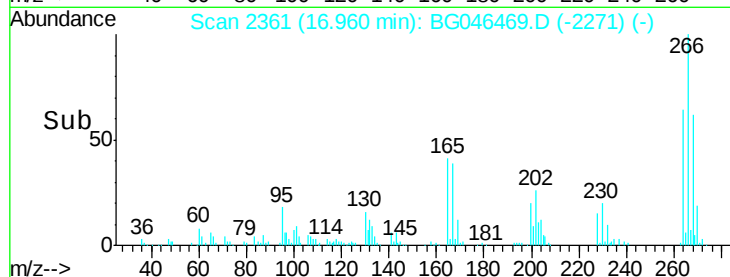
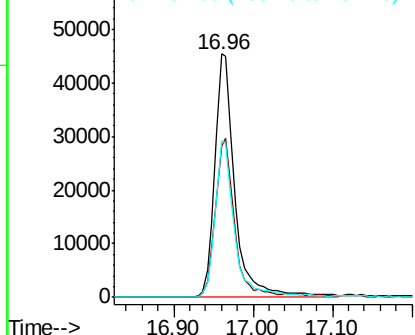
#70
 Pentachlorophenol
 Concen: 40027.146 ng
 RT: 16.96 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: BG046469.D
 Acq: 31 Aug 2020 14:28

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tot Ion:266 Resp: 80254
 Ion Ratio Lower Upper
 266 100
 268 62.5 51.1 76.7
 264 64.4 50.2 75.2

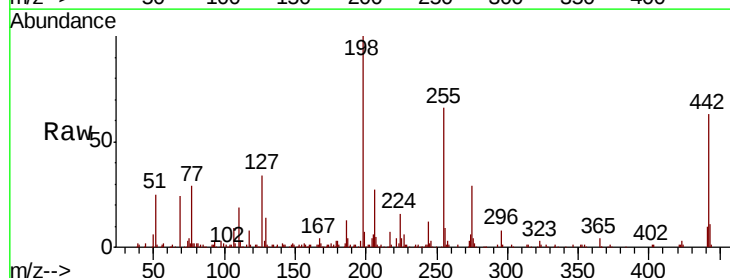


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

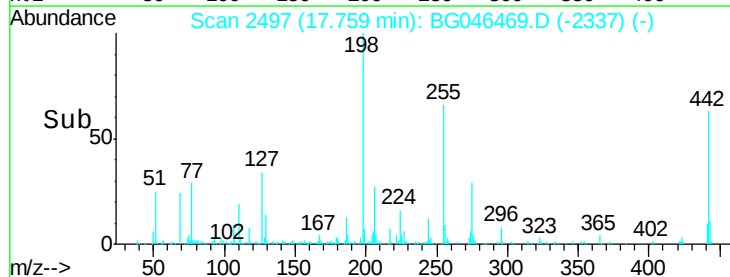
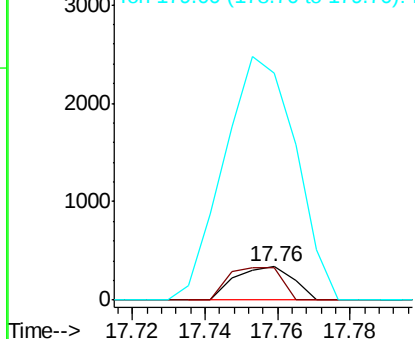


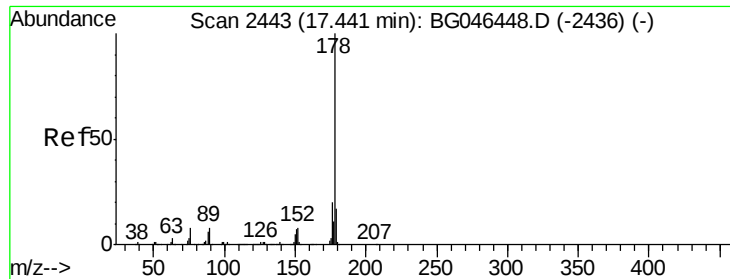
#71
 Phenanthrene
 Concen: 25.043 ng
 RT: 17.76 min Scan# 2497
 Delta R.T. 0.41 min
 Lab File: BG046469.D
 Acq: 31 Aug 2020 14:28

Tgt Ion:178 Resp: 377
 Ion Ratio Lower Upper
 178 100
 176 98.8 16.8 25.2#
 179 678.8 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





#72

Anthracene

Concen: 25.382 ng

RT: 17.76 min Scan# 2497

Delta R.T. 0.32 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

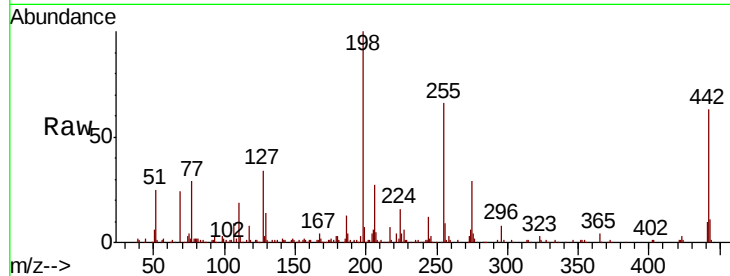
Tot Ion:178 Resp: 377

Ion Ratio Lower Upper

178 100

176 98.8 16.1 24.1#

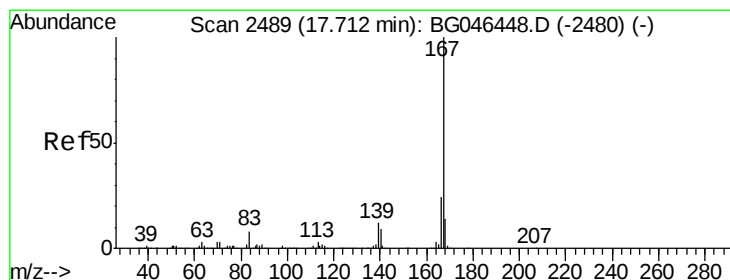
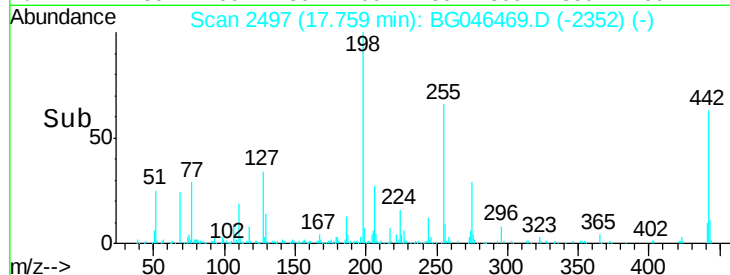
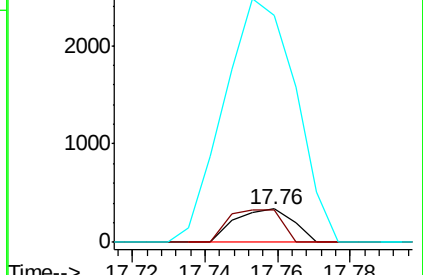
179 678.8 13.3 19.9#



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: 62.895 ng

RT: 18.56 min Scan# 2634

Delta R.T. 0.85 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

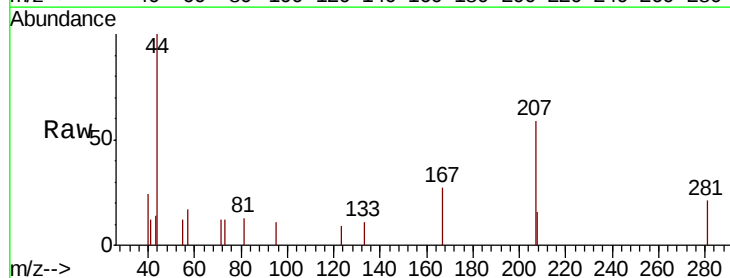
Tgt Ion:167 Resp: 882

Ion Ratio Lower Upper

167 100

166 0.0 19.3 28.9#

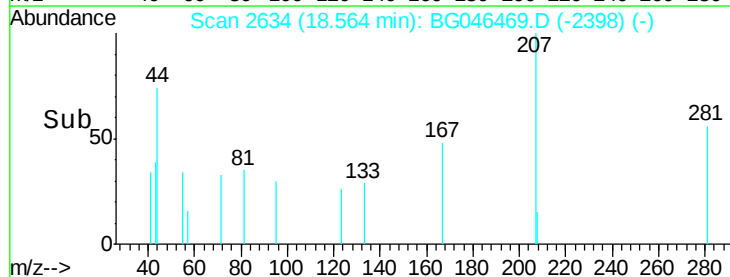
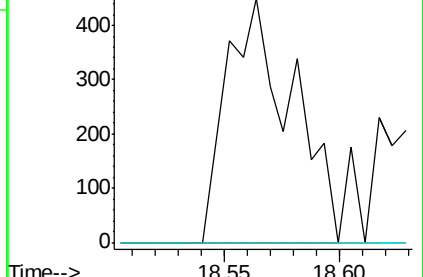
139 0.0 9.7 14.5#

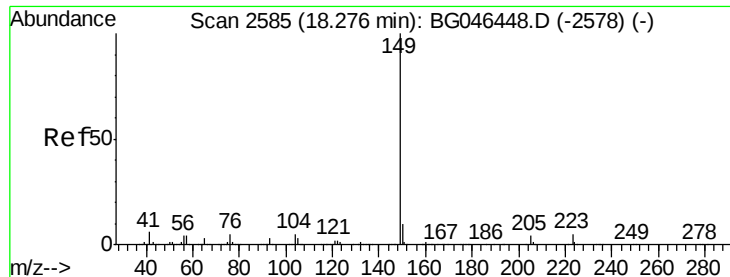


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

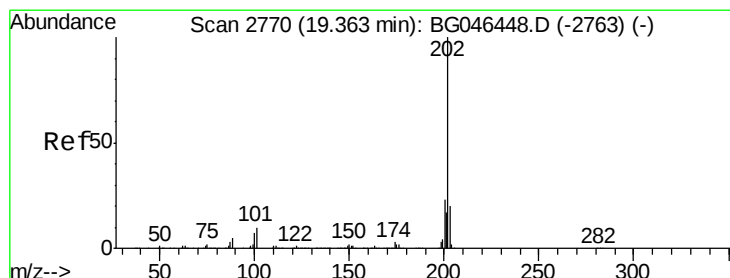
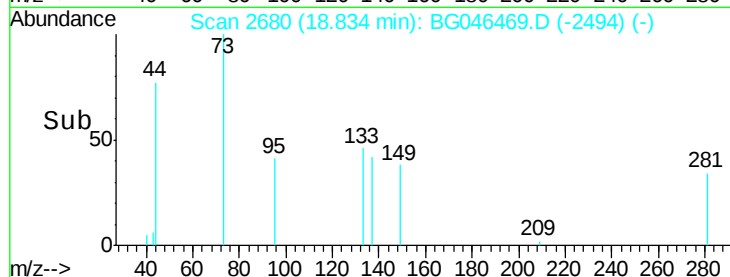
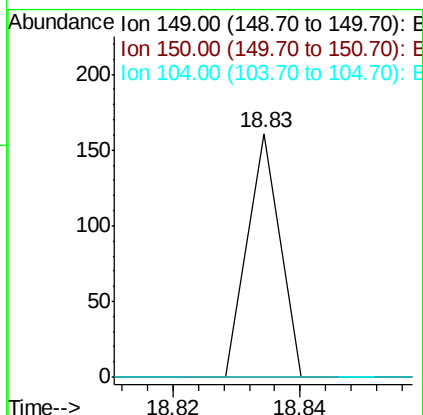
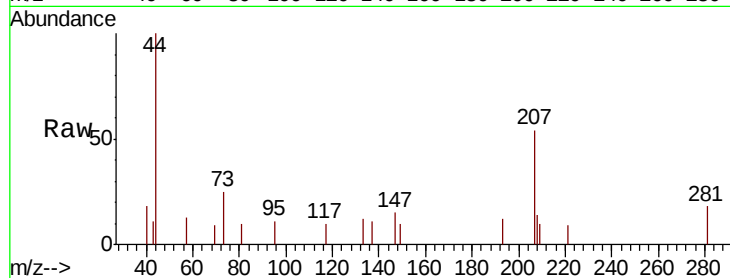




#74
Di-n-butylphthalate
Concen: 3.535 ng
RT: 18.83 min Scan# 2680
Delta R.T. 0.56 min
Lab File: BG046469.D
Acq: 31 Aug 2020 14:28

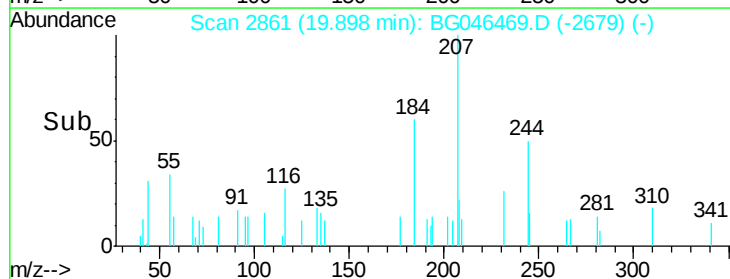
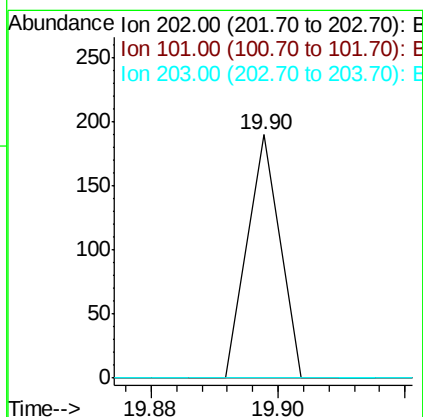
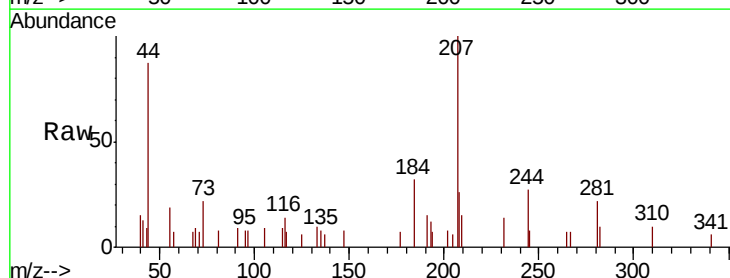
Instrument :
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DFTPP

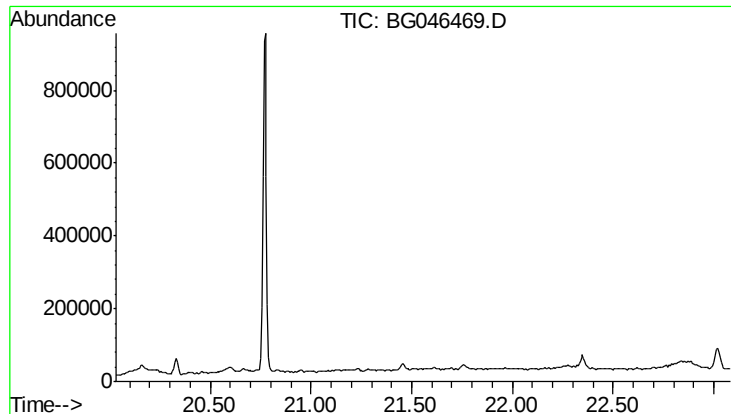
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.1	12.1#
104	0.0	4.0	6.0#



#75
Fluoranthene
Concen: 3.458 ng
RT: 19.90 min Scan# 2861
Delta R.T. 0.54 min
Lab File: BG046469.D
Acq: 31 Aug 2020 14:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.9
203	0.0	0.0	40.0





#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.56 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

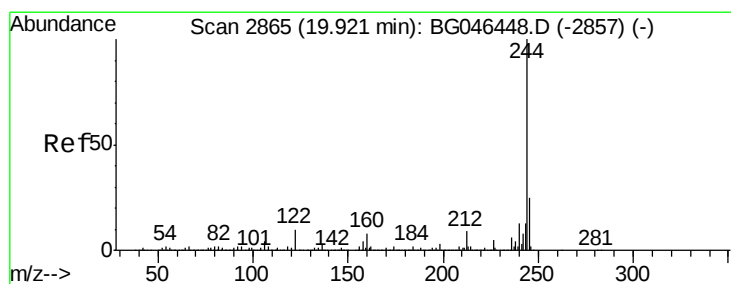
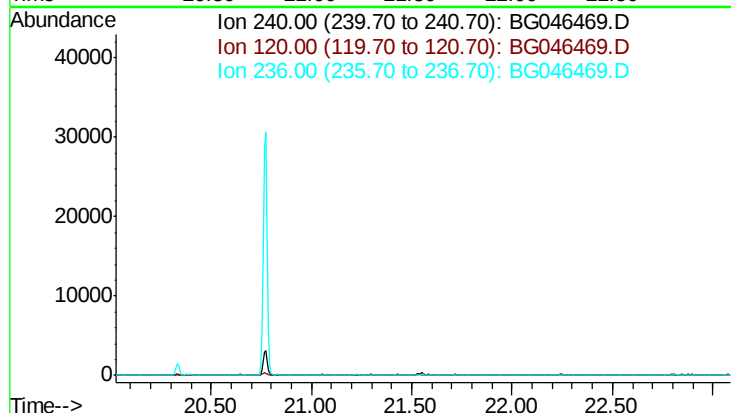
Tot Ion: 240

Sig Exp Ratio

240 100

120 8.3

236 26.8



#79

Terphenyl-d14

Concen: 0.000 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

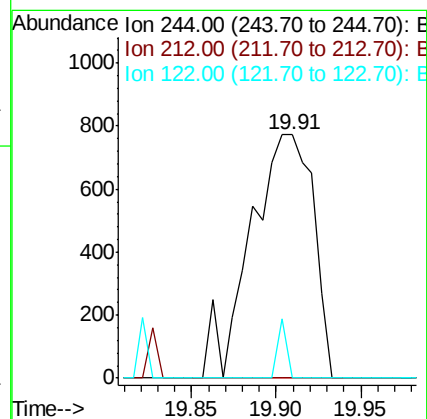
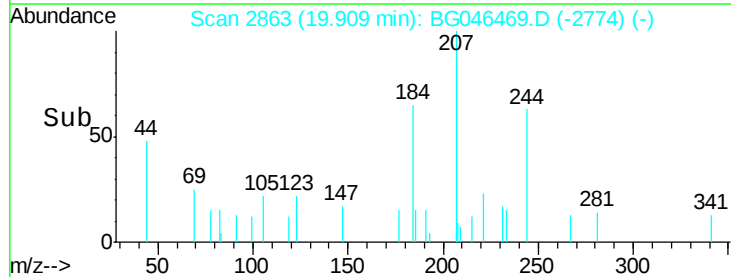
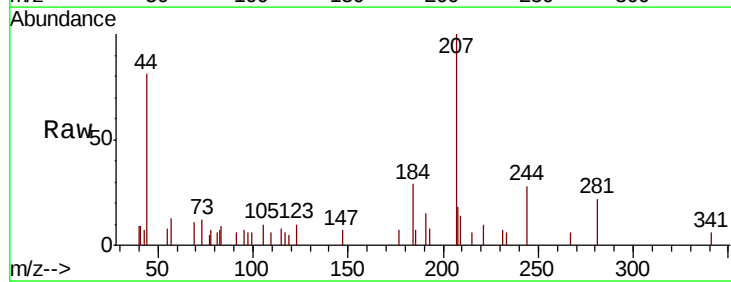
Tgt Ion: 244 Resp: 1999

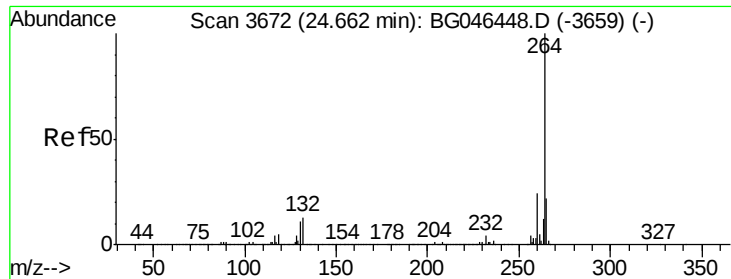
Ion Ratio Lower Upper

244 100

212 0.0 6.9 10.3#

122 0.0 8.2 12.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.66 min Scan# 3672

Delta R.T. 0.01 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

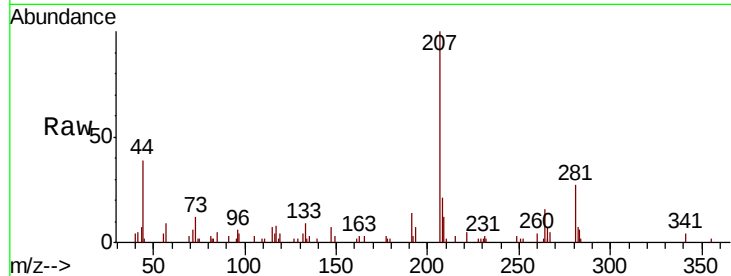
Tot Ion:264 Resp: 4075

Ion Ratio Lower Upper

264 100

260 27.4 19.2 28.8

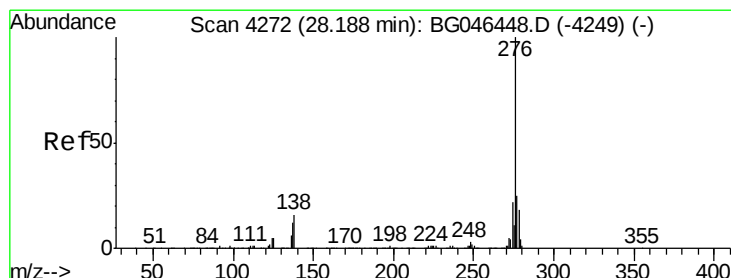
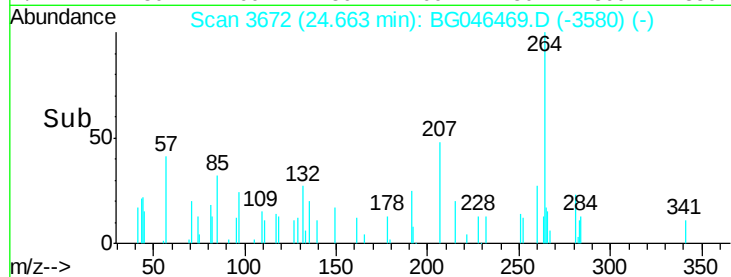
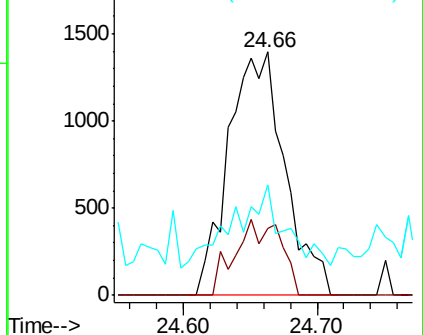
265 45.5 17.9 26.9#



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



#87

Indeno(1,2,3-cd)pyrene

Concen: 95.621 ng

RT: 28.15 min Scan# 4266

Delta R.T. -0.01 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

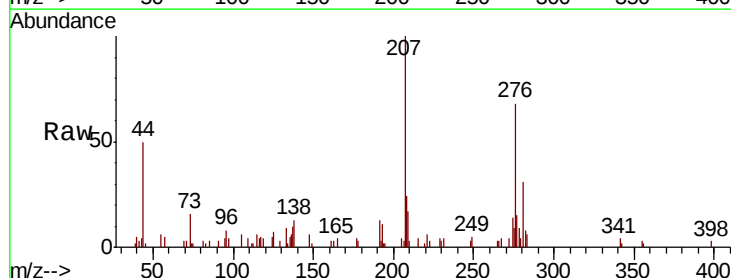
Tgt Ion:276 Resp: 27986

Ion Ratio Lower Upper

276 100

138 17.2 16.5 24.7

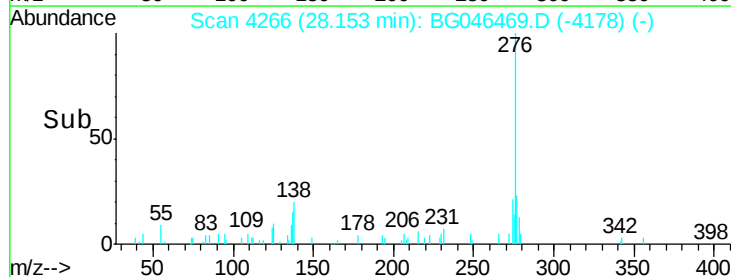
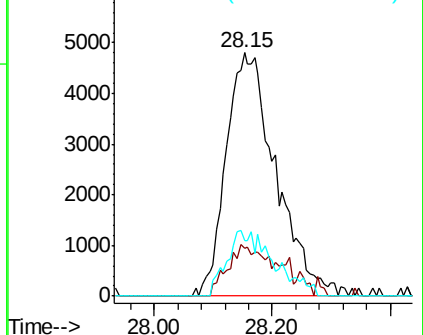
277 11.3 20.7 31.1#

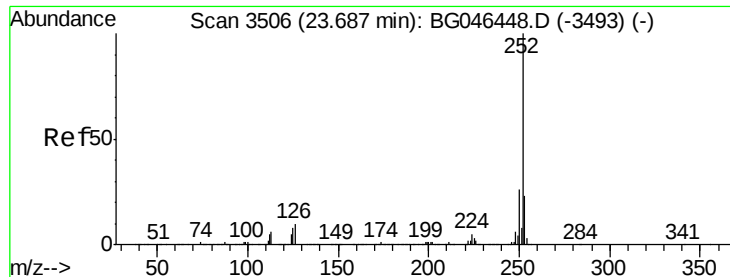


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 17.379 ng

RT: 23.67 min Scan# 3503

Delta R.T. -0.01 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampled :

DFTPP

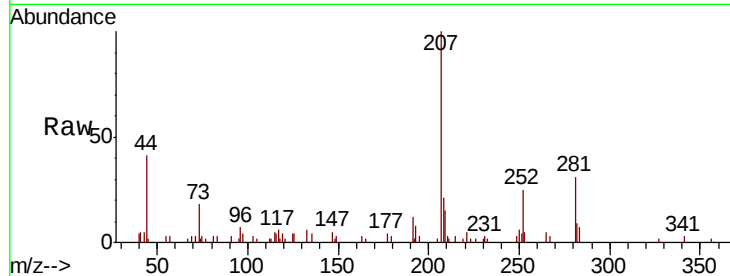
Tot Ion:252 Resp: 4422

Ion Ratio Lower Upper

252 100

253 17.9 18.2 27.4#

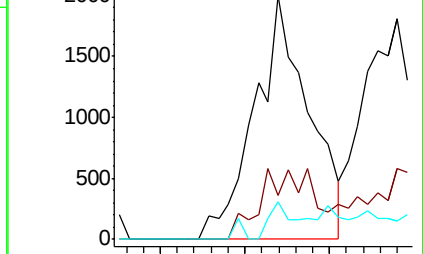
125 15.7 6.2 9.2#



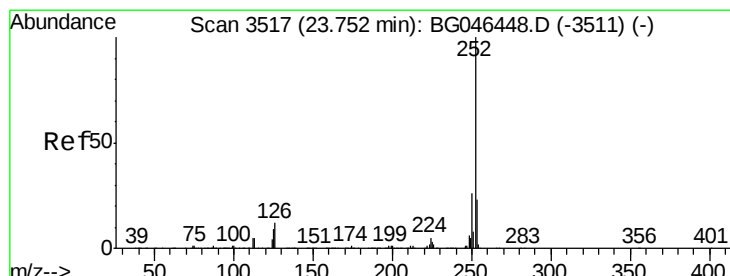
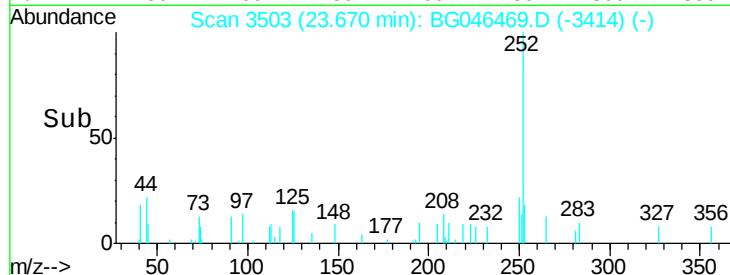
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(k)fluoranthene

Concen: 14.546 ng

RT: 23.74 min Scan# 3515

Delta R.T. -0.00 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

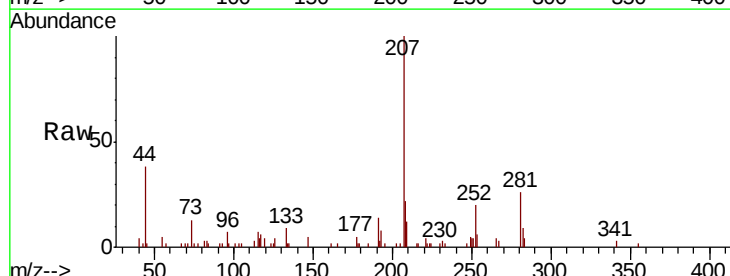
Tgt Ion:252 Resp: 3577

Ion Ratio Lower Upper

252 100

253 32.0 18.5 27.7#

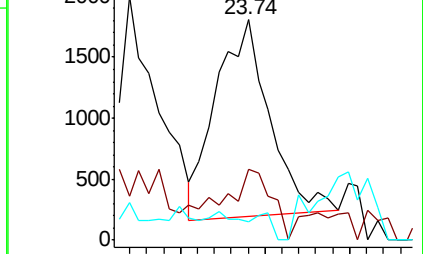
125 8.4 6.8 10.2



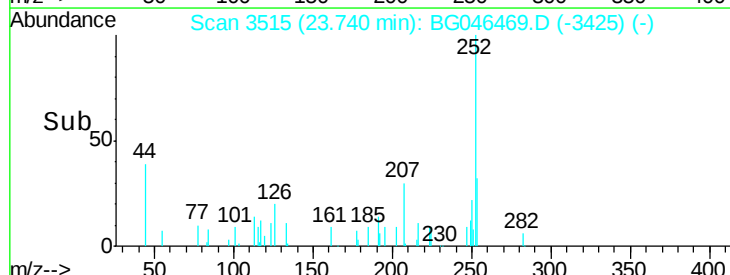
Abundance Ion 252.00 (251.70 to 252.70): E

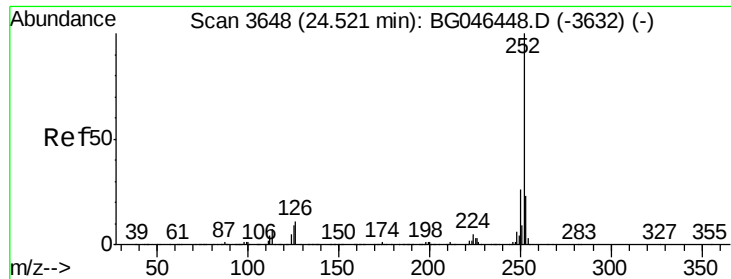
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 31.791 ng

RT: 24.50 min Scan# 3644

Delta R.T. -0.01 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

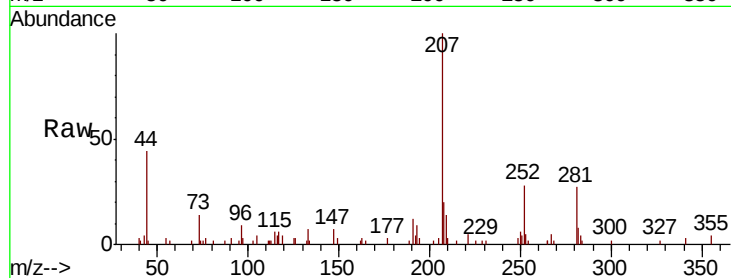
Tot Ion:252 Resp: 7549

Ion Ratio Lower Upper

252 100

253 17.3 18.2 27.4#

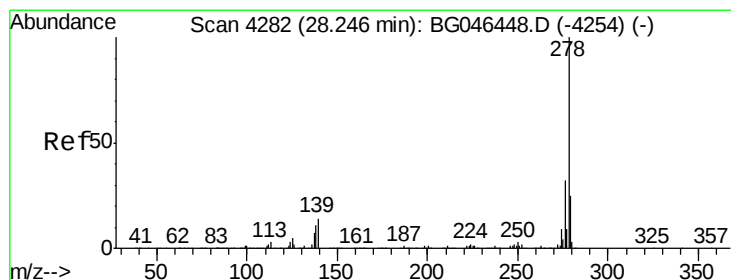
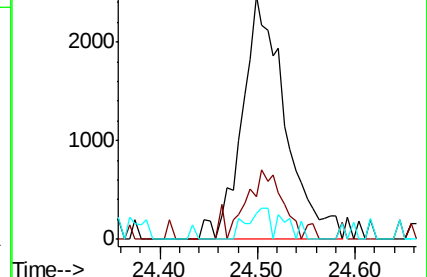
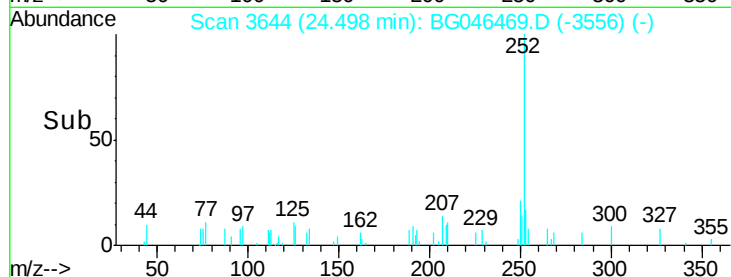
125 10.8 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 101.621 ng

RT: 28.21 min Scan# 4276

Delta R.T. -0.02 min

Lab File: BG046469.D

Acq: 31 Aug 2020 14:28

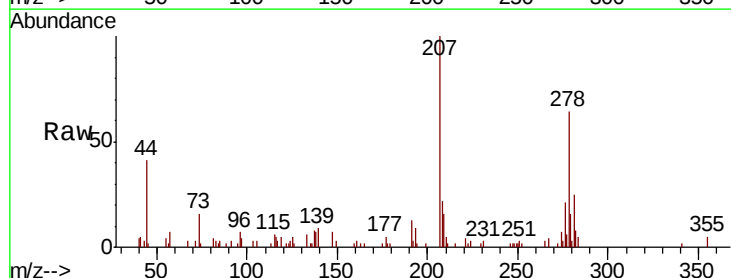
Tgt Ion:278 Resp: 24001

Ion Ratio Lower Upper

278 100

139 13.5 11.2 16.8

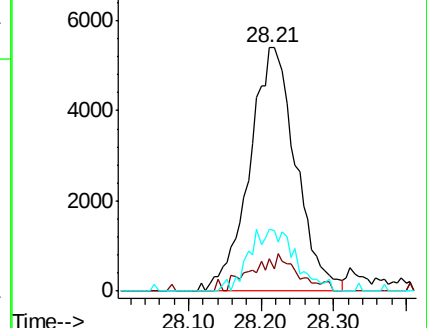
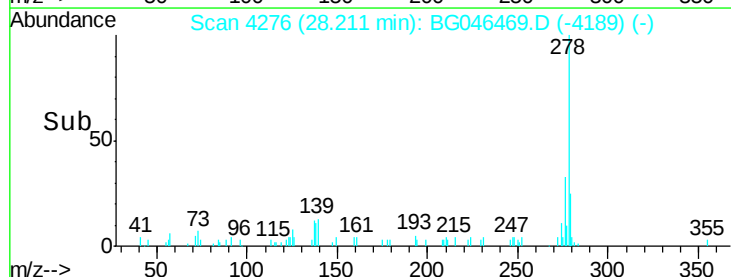
279 25.3 19.8 29.8

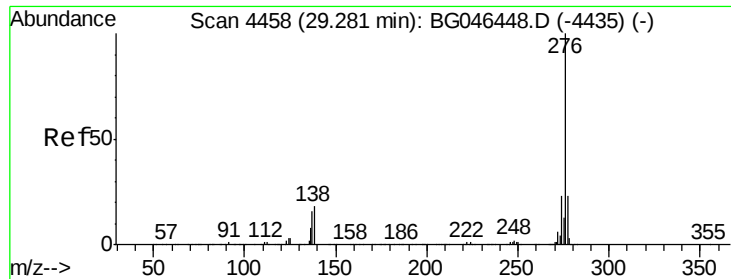


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 114.108 ng
 RT: 29.24 min Scan# 4451
 Delta R.T. -0.03 min
 Lab File: BG046469.D
 Acq: 31 Aug 2020 14:28

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.6	18.7	28.1	
138	24.9	14.7	22.1	

