

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073019\
 Data File : BG041825.D
 Acq On : 31 Jul 2019 6:47
 Operator : HP/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 07:27:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 07:53:52 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	-8.05
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.87
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.70
64) Phenanthrene-d10	17.89	188	453	20.00	ng	0.44
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.74
87) Perylene-d12	25.02	264	154	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	7.65	99	55	0.00	ng	0.46
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	20.07	244	301	0.00	ng	0.00

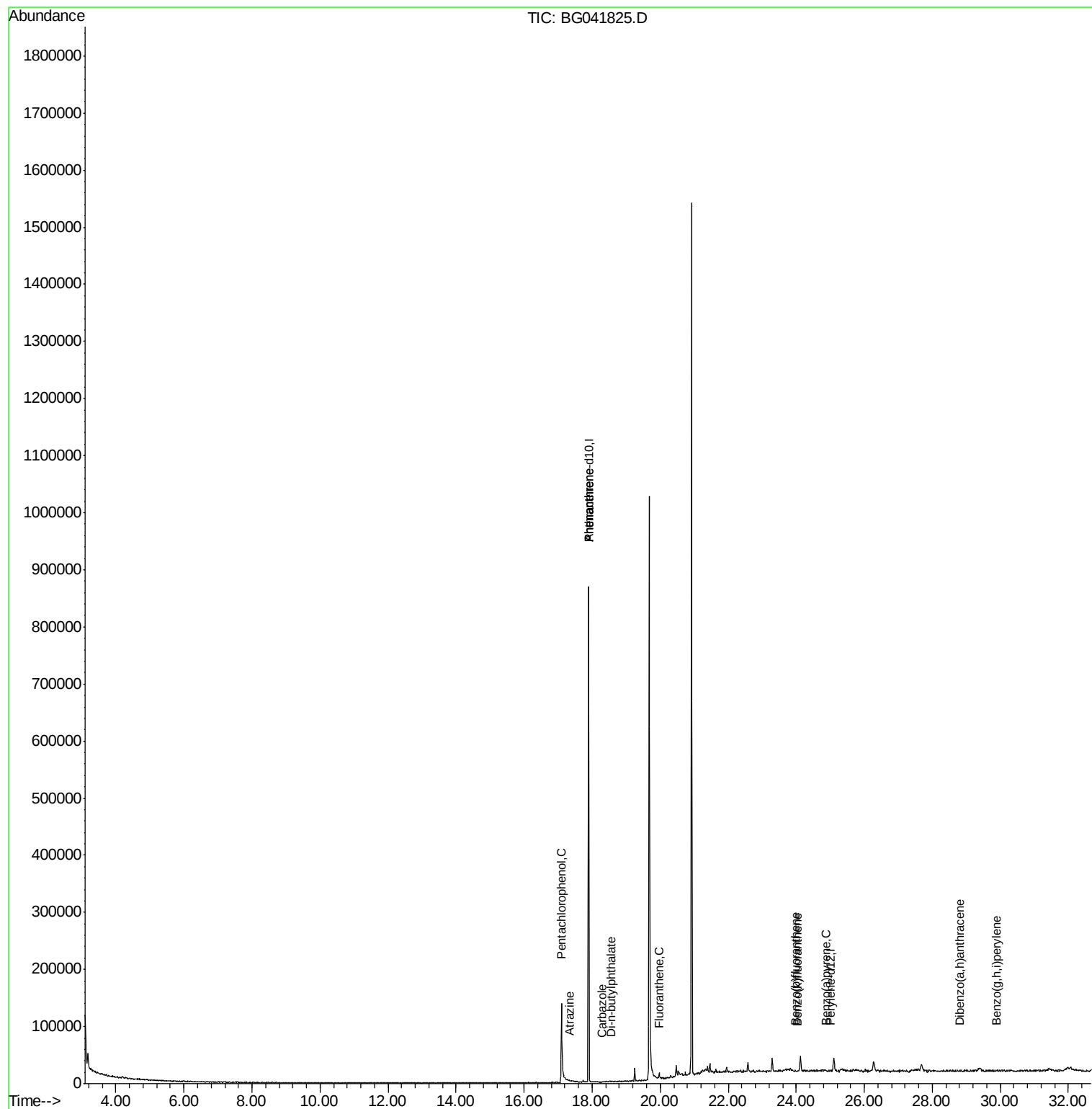
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
69) Atrazine	17.34	200	195	40.221	ng	# 34
70) Pentachlorophenol	17.10	266	44562	13437.202	ng	# 97
71) Phenanthrene	17.89	178	333	15.336	ng	# 1
72) Anthracene	17.89	178	333	15.377	ng	# 1
73) Carbazole	18.31	167	259	13.325	ng	# 54
74) Di-n-butylphthalate	18.55	149	60	2.723	ng	# 72
75) Fluoranthene	19.98	202	56	2.122	ng	# 57
88) Benzo(b)fluoranthene	23.98	252	149	17.687	ng	# 56
89) Benzo(k)fluoranthene	24.04	252	455	55.445	ng	# 56
90) Benzo(a)pyrene	24.86	252	537	66.463	ng	# 57
91) Dibenzo(a,h)anthracene	28.82	278	81	10.210	ng	# 54
92) Benzo(a,h,i)perylene	29.90	276	228	28.765	ng	# 53

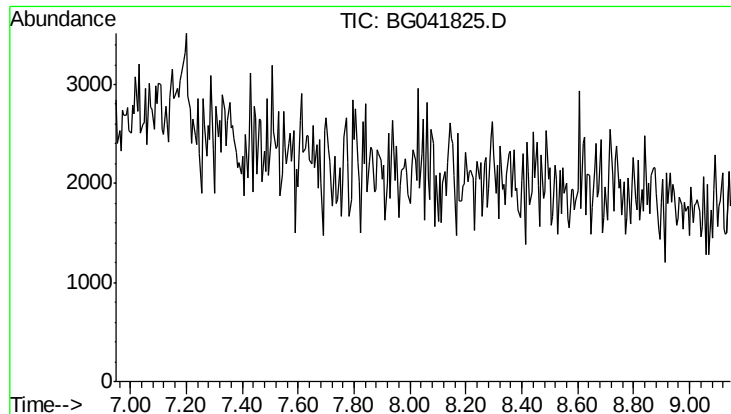
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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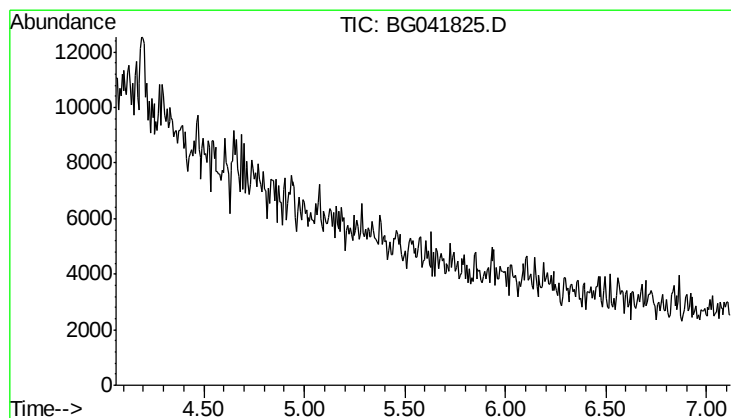
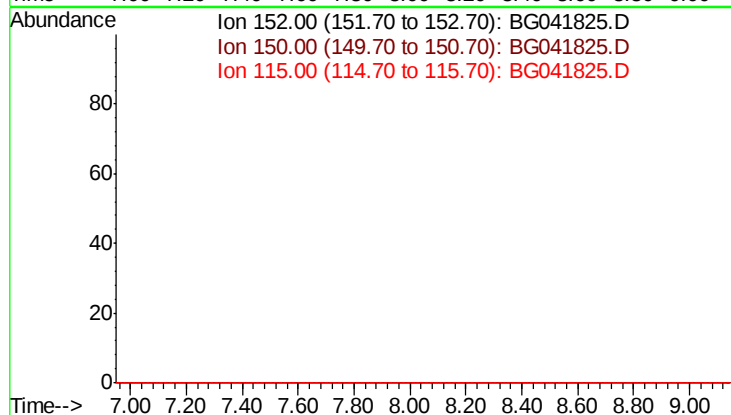




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.05 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

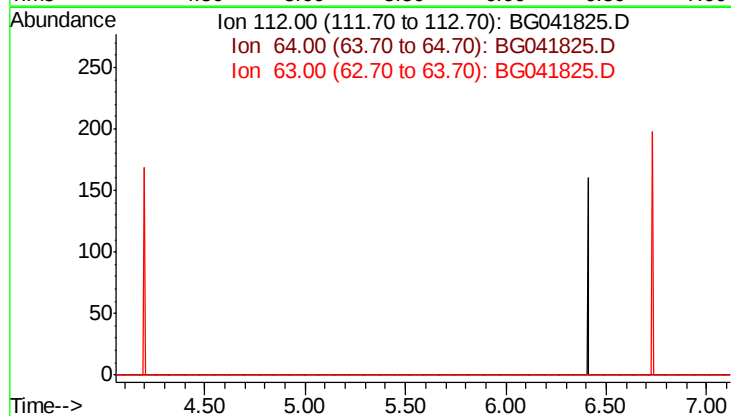
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 158.6
 115 56.3



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.59 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 69.3
 63 36.4





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.65 min Scan# 777

Delta R.T. 0.46 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Instrument :

BNA_G

ClientSampleId :

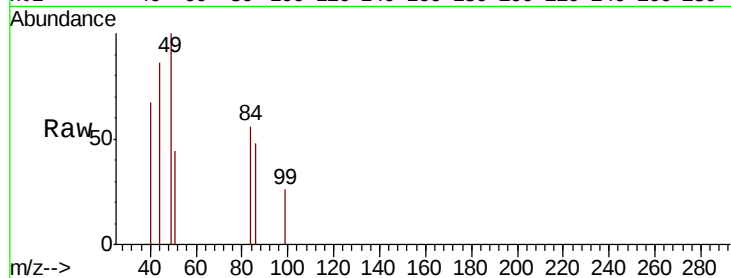
Tot Ion: 99 Resp: 55

Ion Ratio Lower Upper

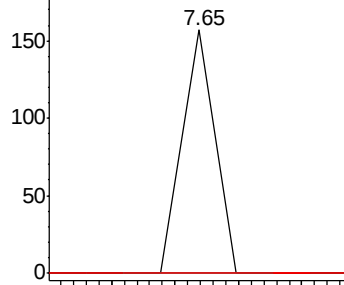
99 100

42 0.0 17.6 26.4#

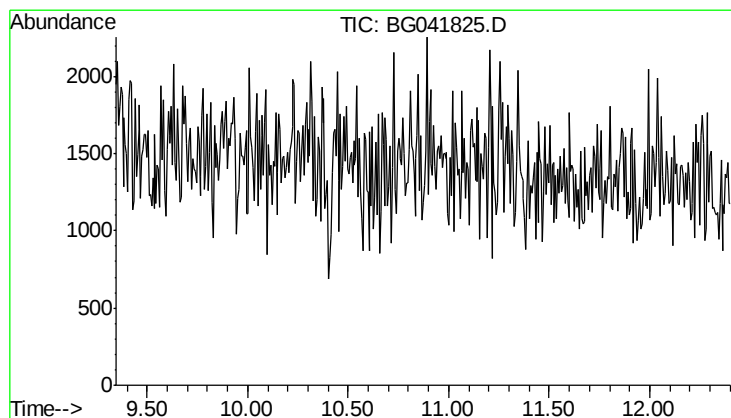
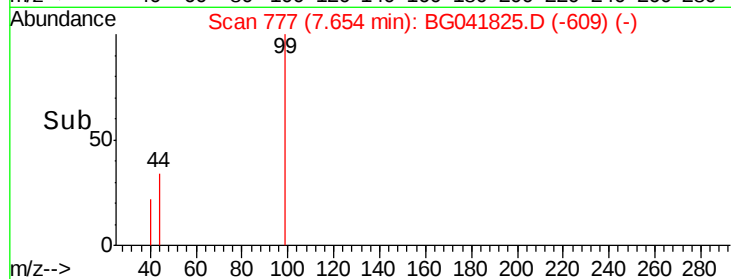
71 0.0 27.8 41.6#



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



Time--> 7.64 7.65 7.66 7.67



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.87 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Tgt Ion: 136

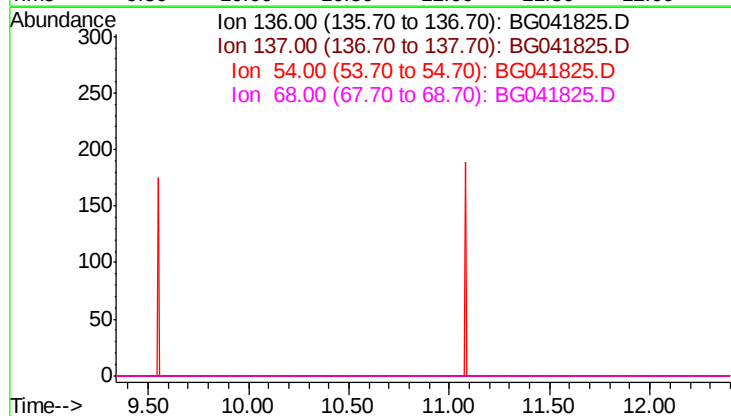
Sig Exp Ratio

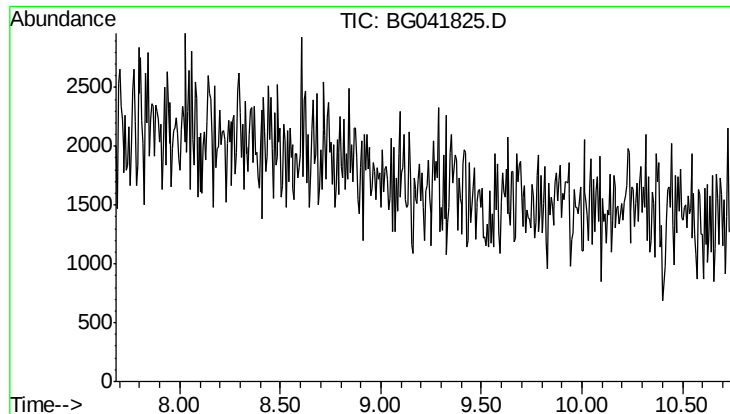
136 100

137 11.5

54 10.9

68 6.9

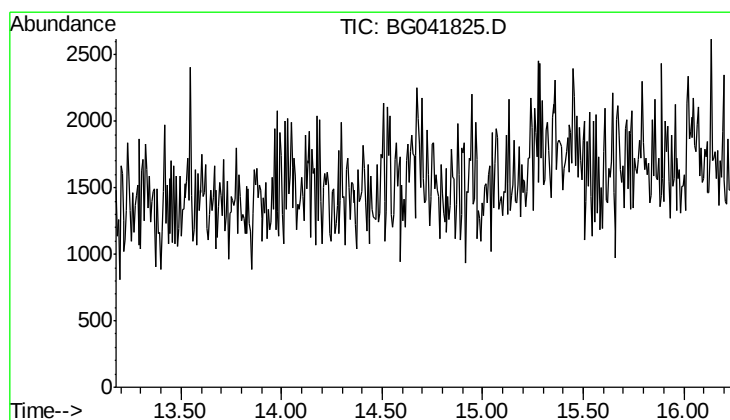
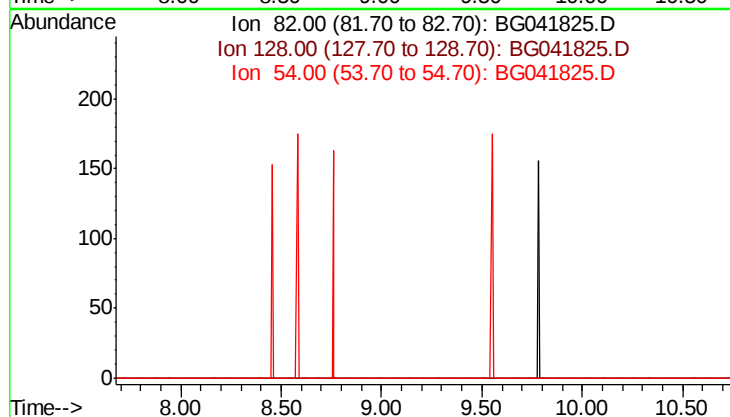




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.21 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

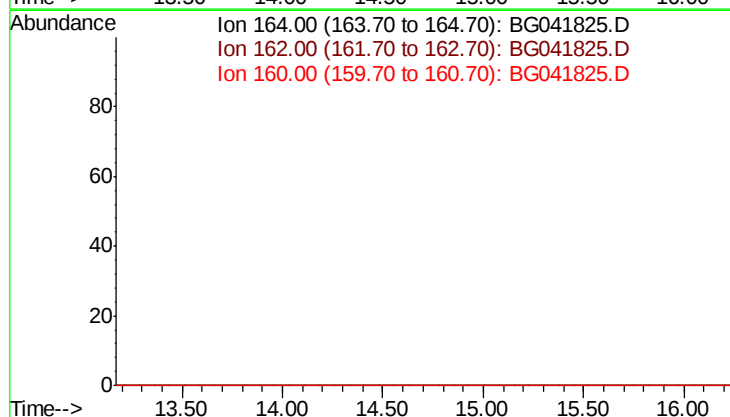
Instrument :
 BNA_G
 ClientSampleId :

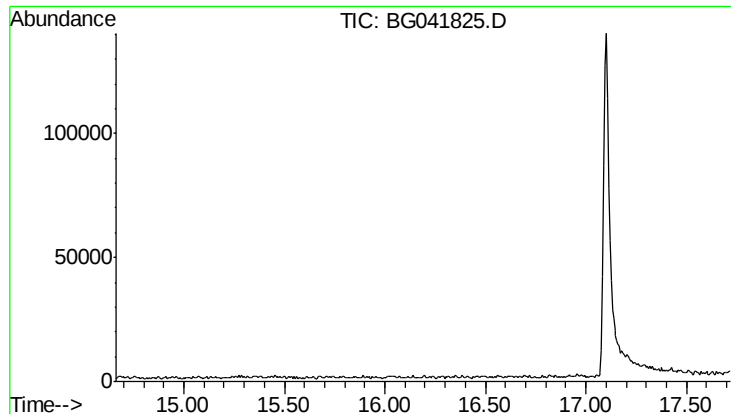
Tot Ion	82
Sig	Exp Ratio
82	100
128	43.9
54	60.9



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.70 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

Tgt Ion	164
Sig	Exp Ratio
164	100
162	99.5
160	44.2





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.19 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Instrument :

BNA_G

ClientSampleId :

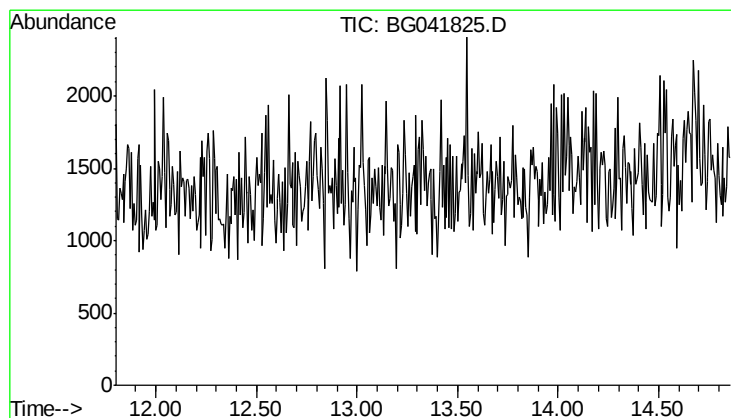
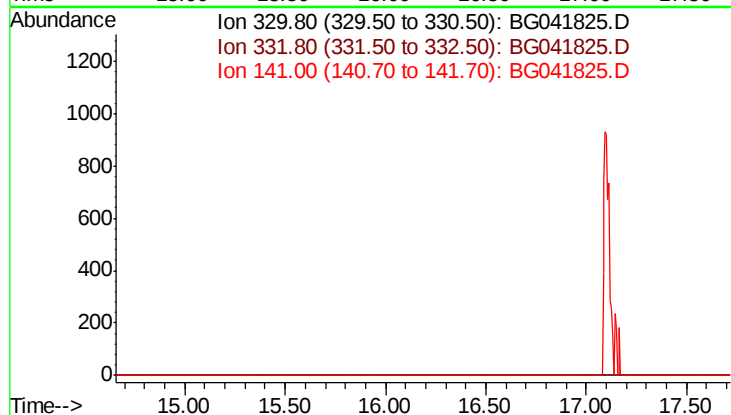
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.7

141 39.9



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.33 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

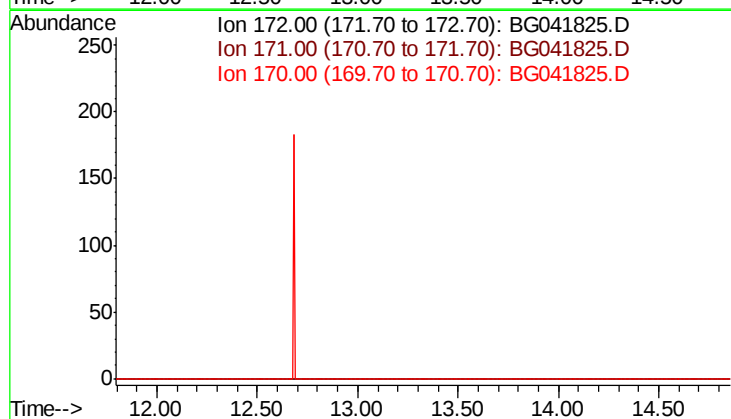
Tgt Ion: 172

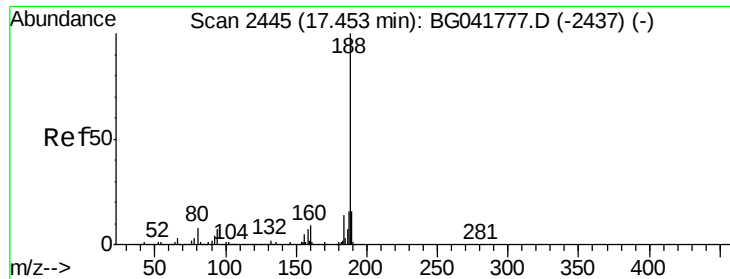
Sig Exp Ratio

172 100

171 43.7

170 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.89 min Scan# 2520

Delta R.T. 0.44 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Instrument :

BNA_G

ClientSampled :

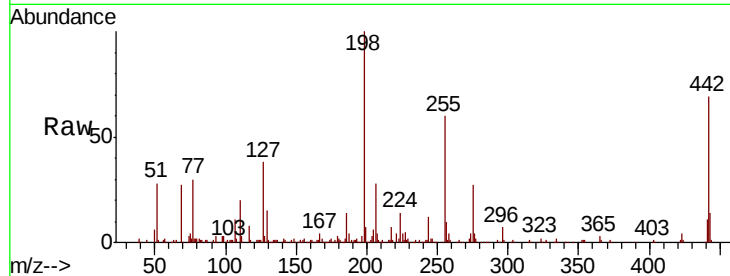
Tot Ion:188 Resp: 453

Ion Ratio Lower Upper

188 100

94 68.3 6.9 10.3#

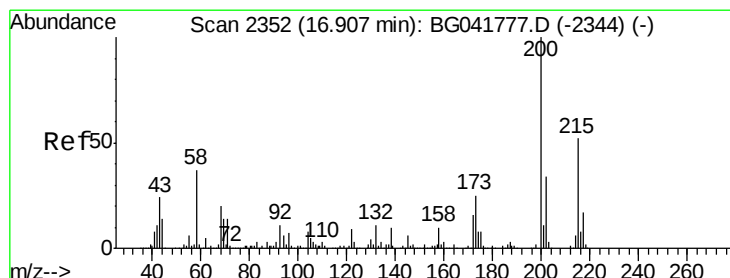
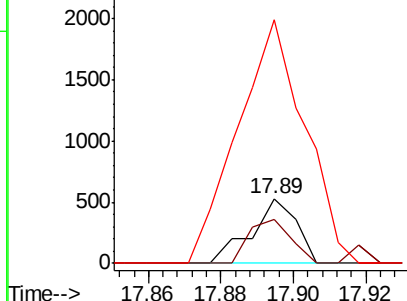
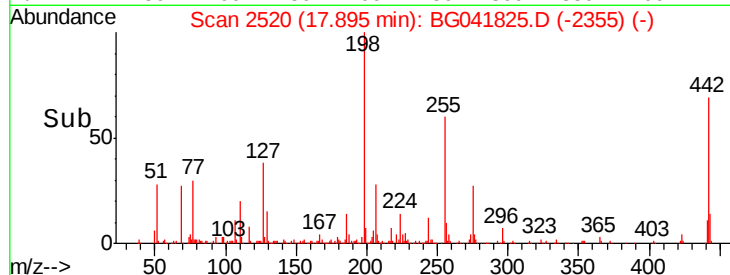
80 377.6 8.0 12.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#69

Atrazine

Concen: 40.221 ng

RT: 17.34 min Scan# 2426

Delta R.T. 0.44 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

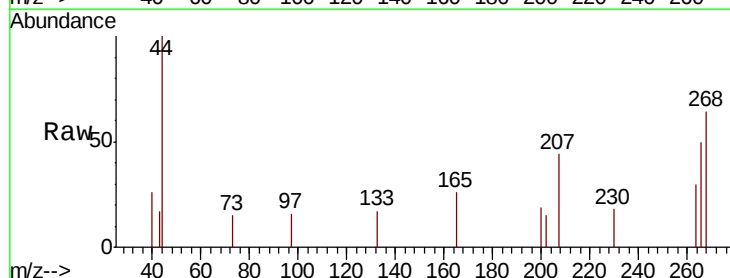
Tgt Ion:200 Resp: 195

Ion Ratio Lower Upper

200 100

173 0.0 5.3 45.3#

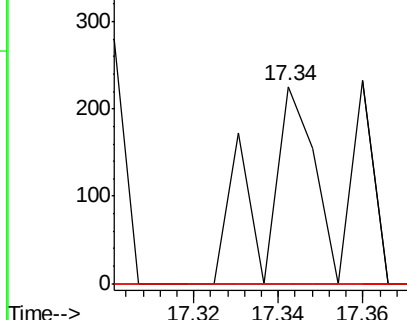
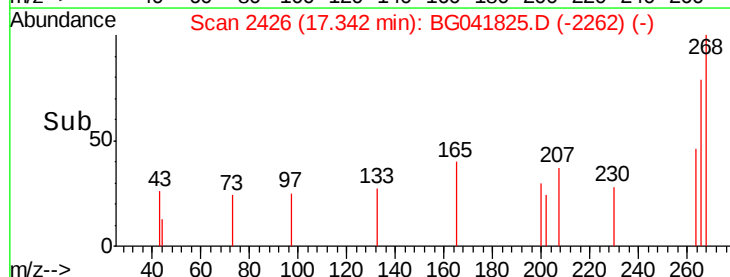
215 0.0 31.8 71.8#

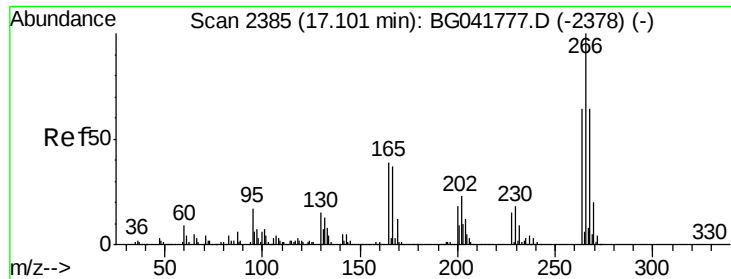


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

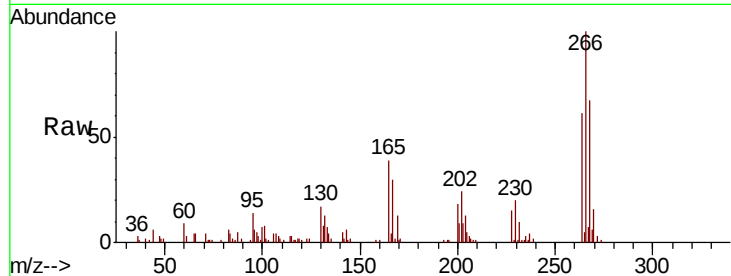




#70
 Pentachlorophenol
 Concen: 13437.202 ng
 RT: 17.10 min Scan# 2385
 Delta R.T. 0.00 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.5	52.9	79.3
264	60.6	51.4	77.2

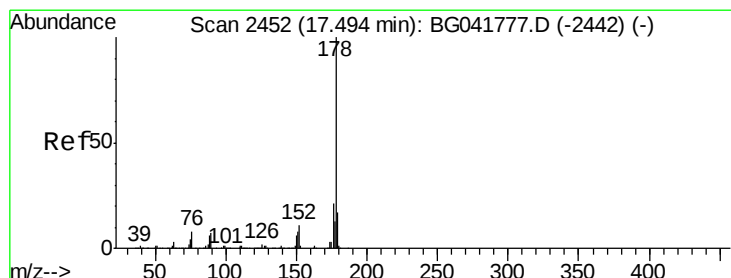
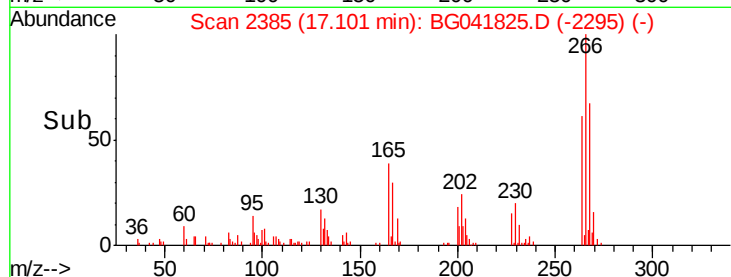
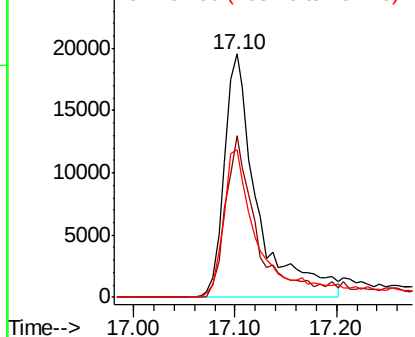


Abundance

Ion 265.70 (265.40 to 266.40): E

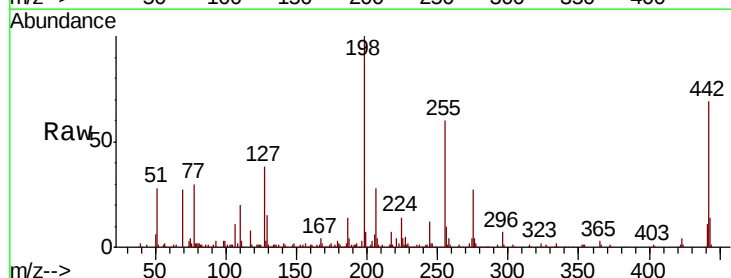
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71
 Phenanthrene
 Concen: 15.336 ng
 RT: 17.89 min Scan# 2520
 Delta R.T. 0.40 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	127.8	18.6	28.0#
179	899.7	15.4	23.0#

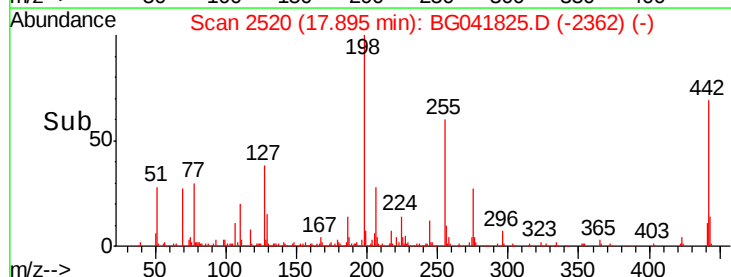
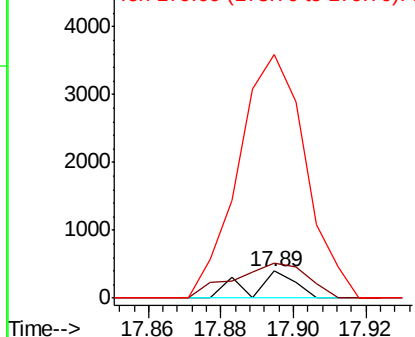


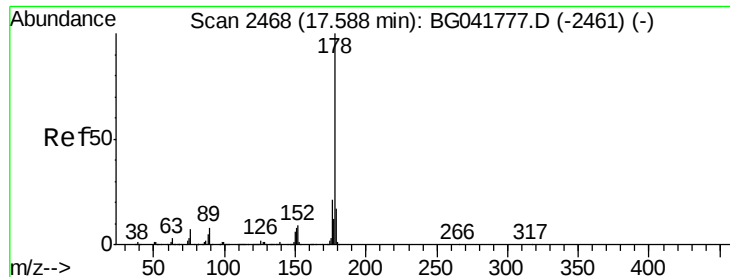
Abundance

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: 15.377 ng

RT: 17.89 min Scan# 2520

Delta R.T. 0.31 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Instrument :

BNA_G

ClientSampled :

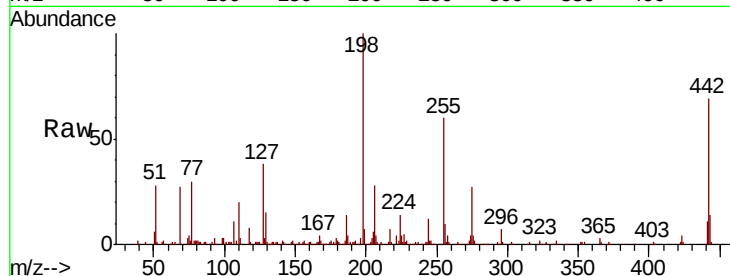
Tot Ion:178 Resp: 333

Ion Ratio Lower Upper

178 100

176 127.8 18.6 28.0#

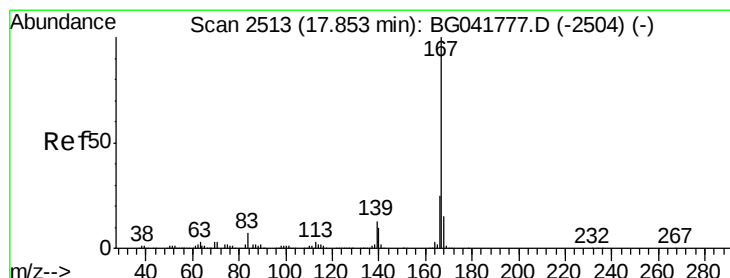
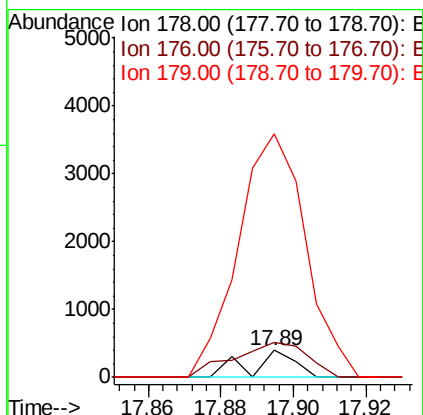
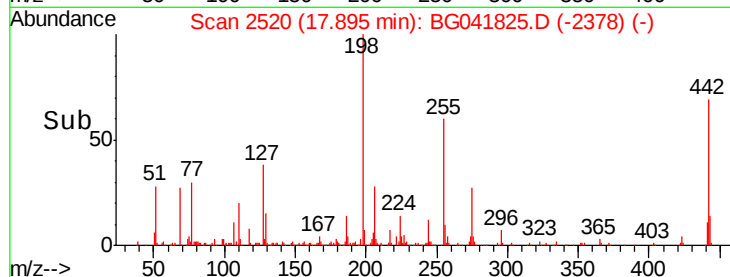
179 899.7 15.1 22.7#



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: 13.325 ng

RT: 18.31 min Scan# 2590

Delta R.T. 0.45 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

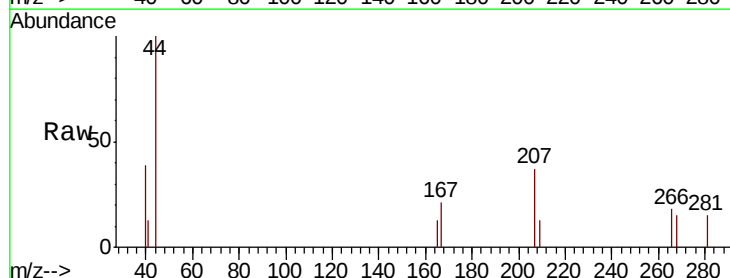
Tgt Ion:167 Resp: 259

Ion Ratio Lower Upper

167 100

166 0.0 21.4 32.2#

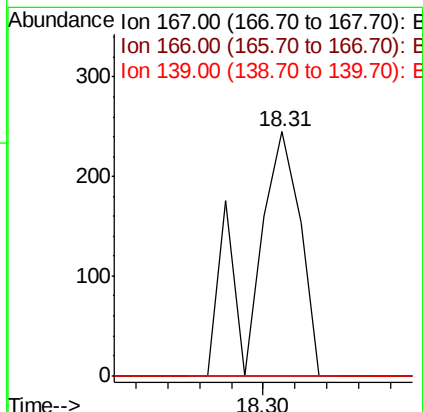
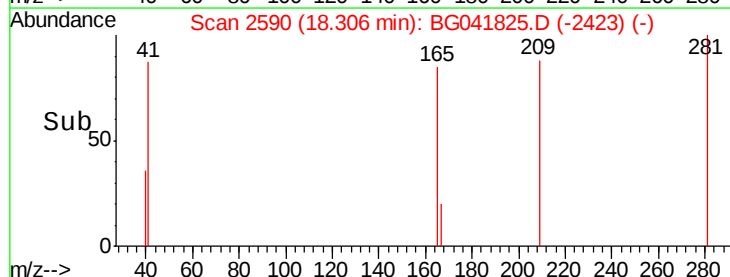
139 0.0 12.1 18.1#

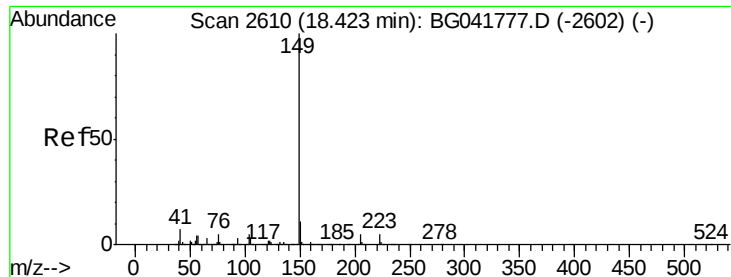


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 2.723 ng

RT: 18.55 min Scan# 2632

Delta R.T. 0.13 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

Instrument :

BNA_G

ClientSampleId :

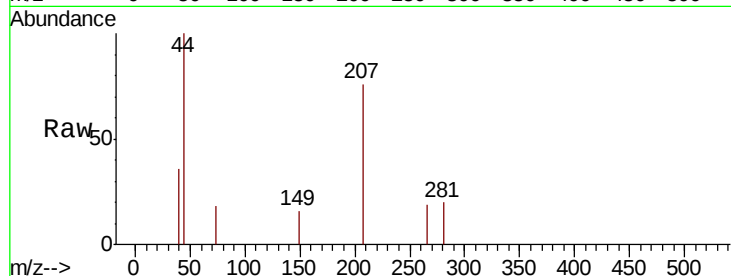
Tot Ion:149 Resp: 60

Ion Ratio Lower Upper

149 100

150 0.0 10.2 15.2#

104 0.0 5.3 7.9#

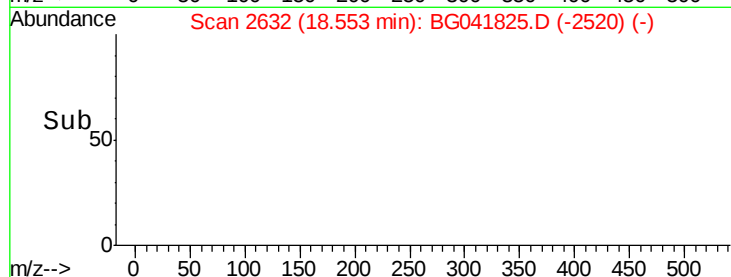


Abundance Ion 149.00 (148.70 to 149.70): E

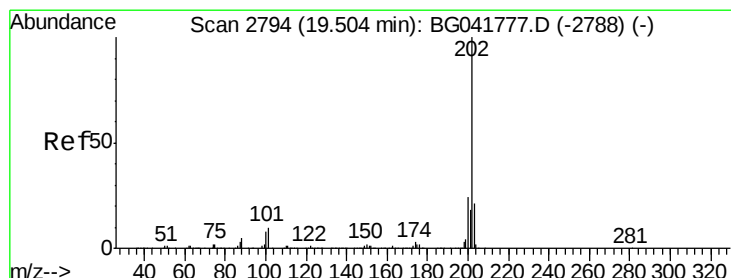
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.55



Time-->



#75

Fluoranthene

Concen: 2.122 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.48 min

Lab File: BG041825.D

Acq: 31 Jul 2019 6:47

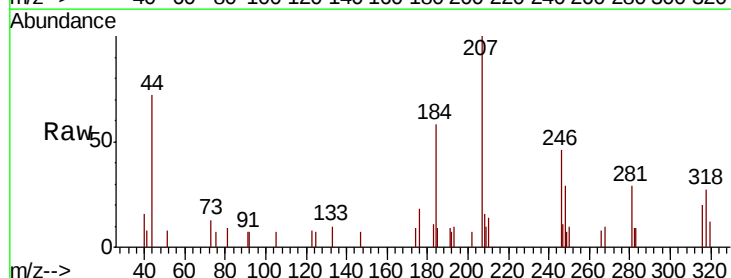
Tgt Ion:202 Resp: 56

Ion Ratio Lower Upper

202 100

101 0.0 0.0 32.8

203 0.0 3.7 43.7#

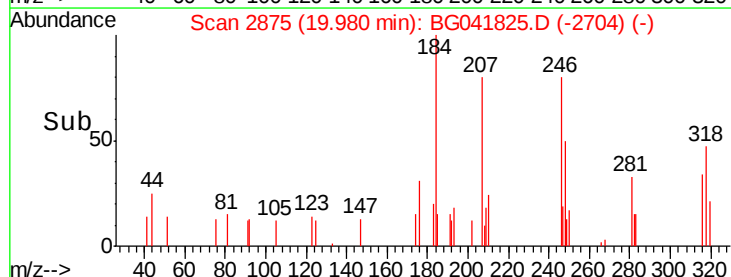


Abundance Ion 202.00 (201.70 to 202.70): E

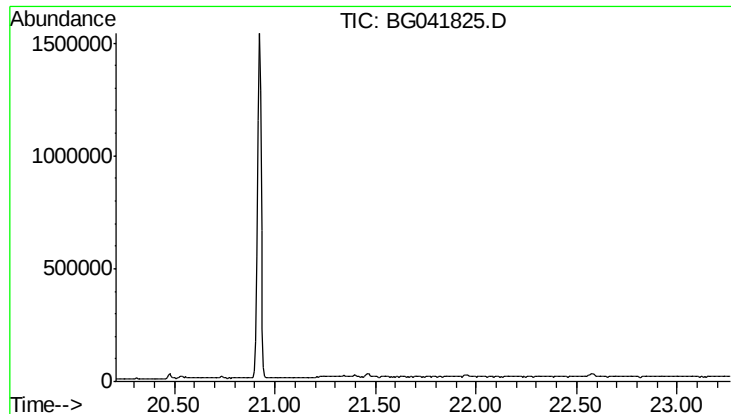
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.98



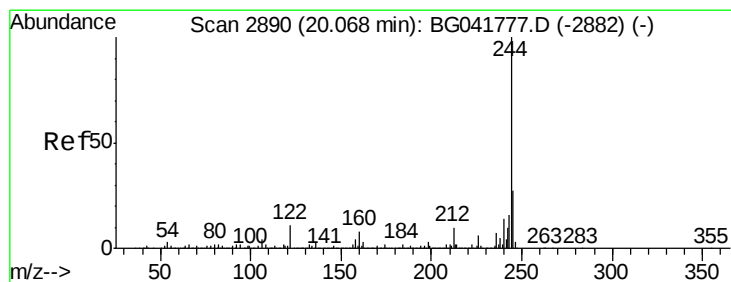
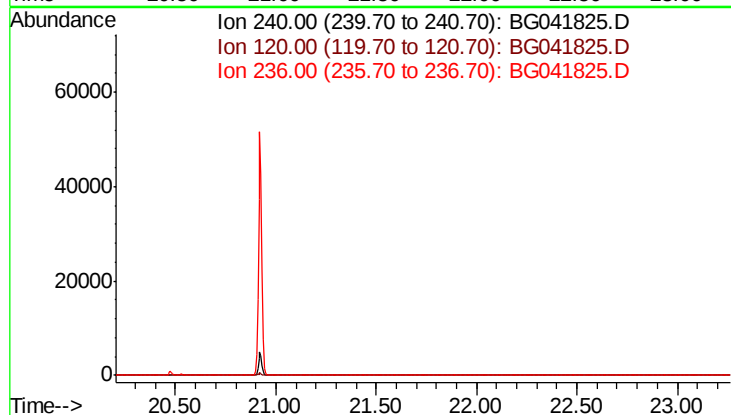
Time-->



#76
 Chrvsene-d12
 Concen: 0.000 ng
 Expected RT: 21.74 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

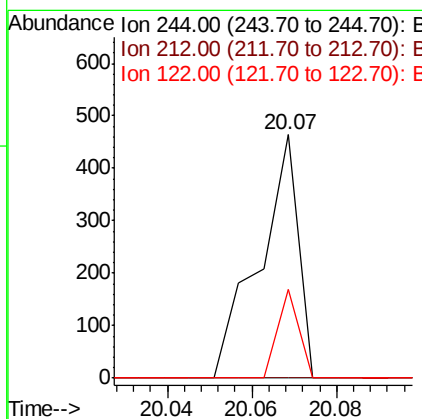
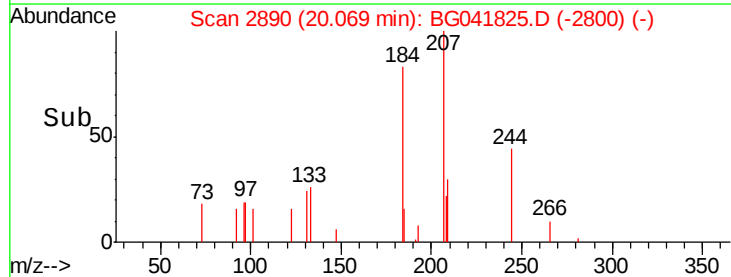
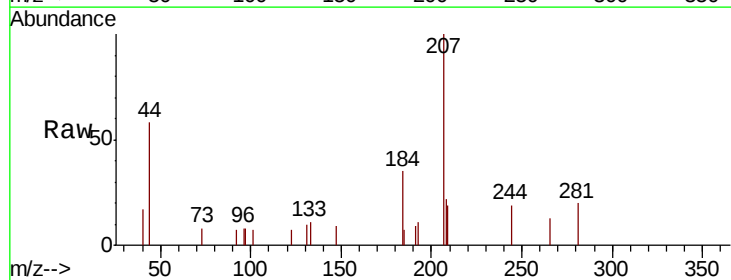
Instrument :
 BNA_G
 ClientSampleId :

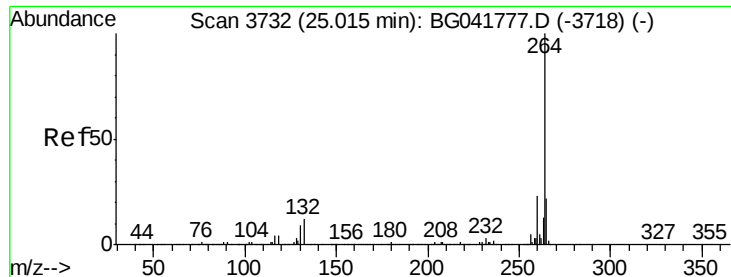
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 10.0
 236 28.2



#79
 Terphenyl-d14
 Concen: 0.000 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: BG041825.D
 Acq: 31 Jul 2019 6:47

Tgt Ion:244 Resp: 301
 Ion Ratio Lower Upper
 244 100
 212 0.0 9.7 14.5#
 122 36.2 12.5 18.7#

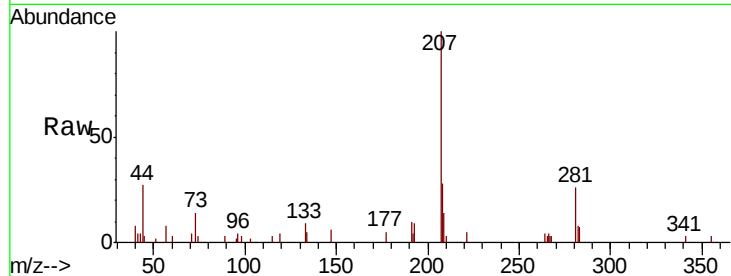




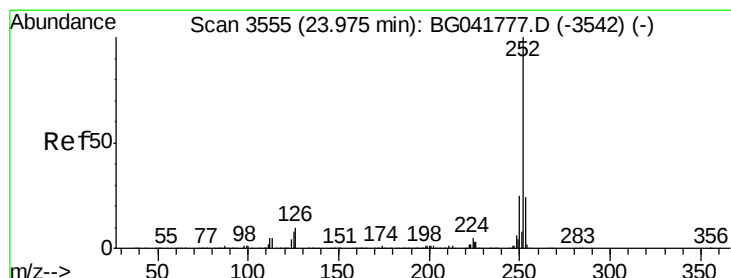
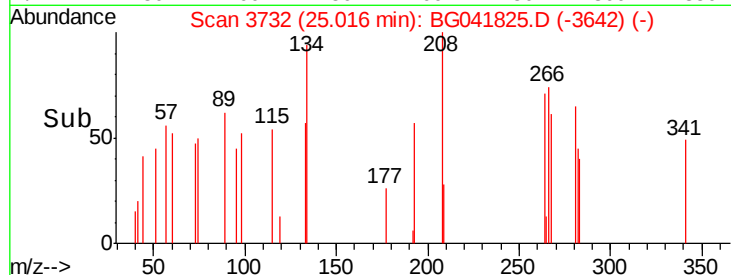
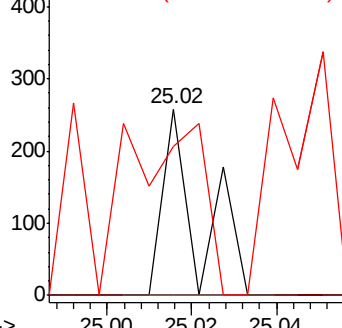
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3732
Delta R.T. 0.00 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:264 Resp: 154
Ion Ratio Lower Upper
264 100
260 0.0 19.5 29.3#
265 79.8 18.0 27.0#

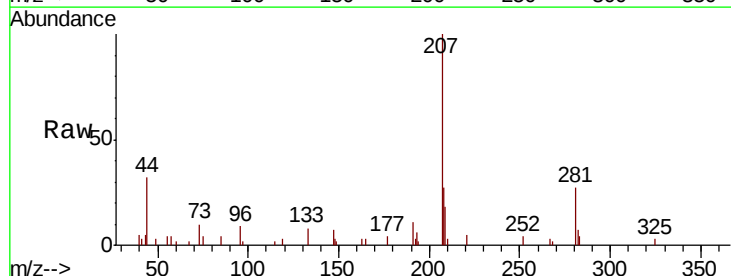


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

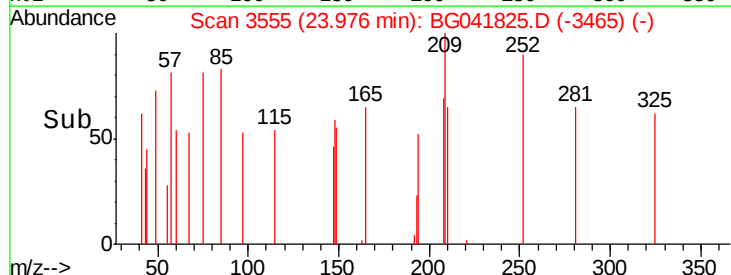
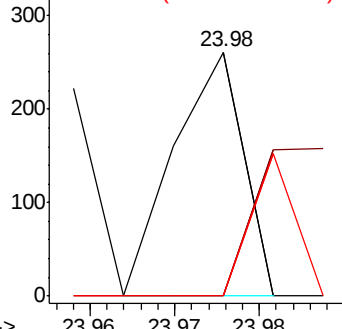


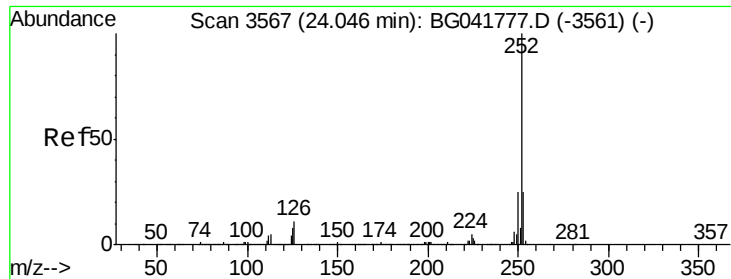
#88
Benzo(b)fluoranthene
Concen: 17.687 ng
RT: 23.98 min Scan# 3555
Delta R.T. 0.00 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Tgt Ion:252 Resp: 149
Ion Ratio Lower Upper
252 100
253 0.0 20.6 30.8#
125 0.0 8.0 12.0#



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

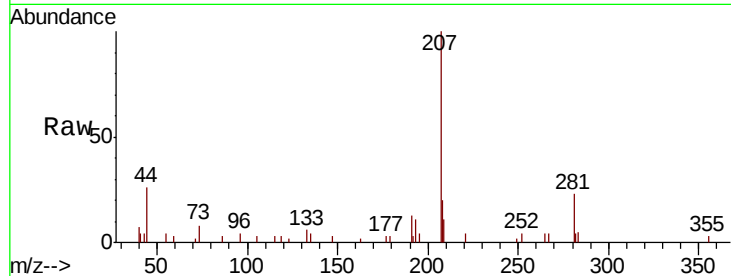




#89
Benzo(k)fluoranthene
Concen: 55.445 ng
RT: 24.04 min Scan# 3566
Delta R.T. -0.01 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	20.5	30.7#
125	0.0	8.4	12.6#

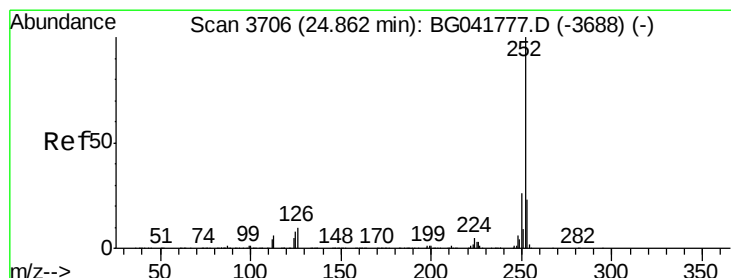
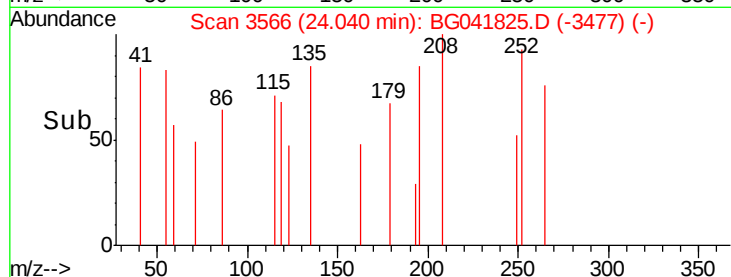
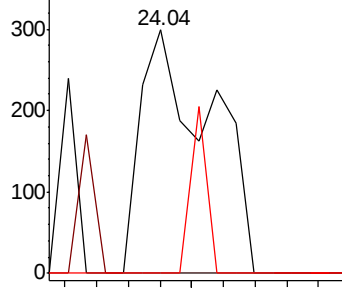


Abundance

Ion 252.00 (251.70 to 252.70): E

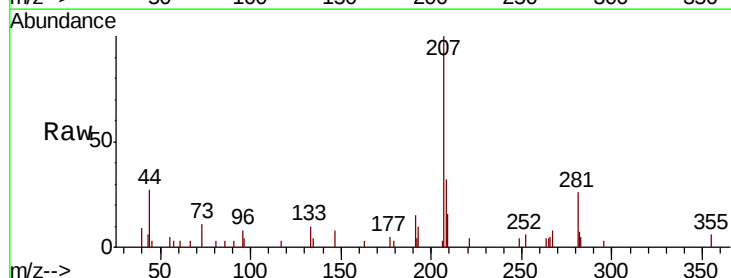
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 66.463 ng
RT: 24.86 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.8	29.8#
125	0.0	8.8	13.2#

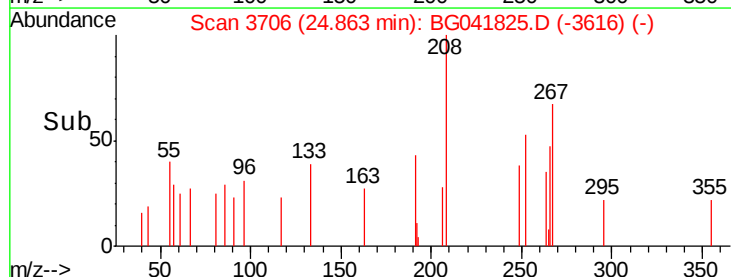
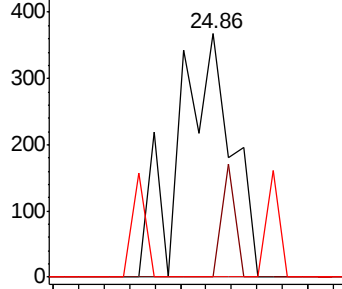


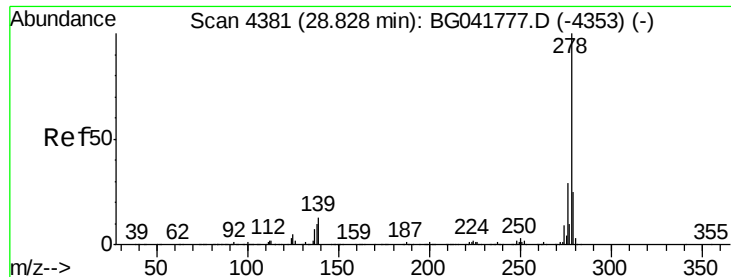
Abundance

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

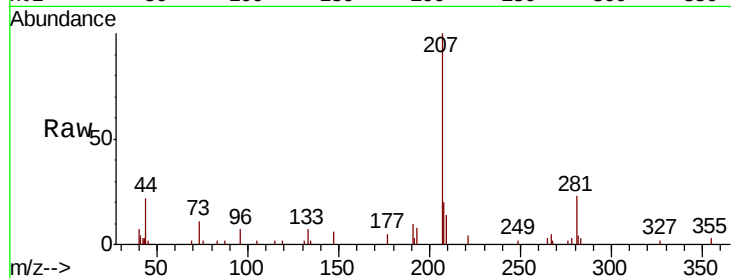




#91
Dibenzo(a,h)anthracene
Concen: 10.210 ng
RT: 28.82 min Scan# 4379
Delta R.T. -0.01 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	0.0	20.5	30.7#



Abundance

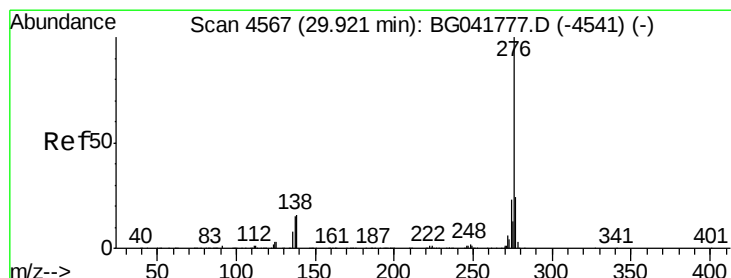
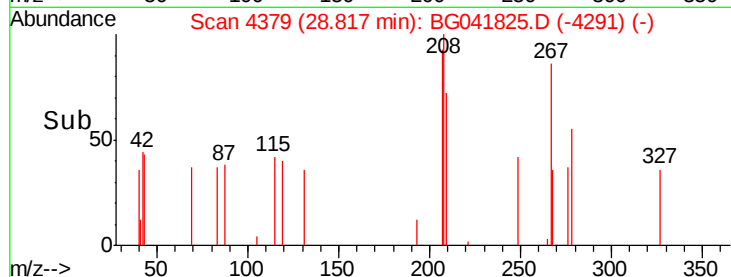
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

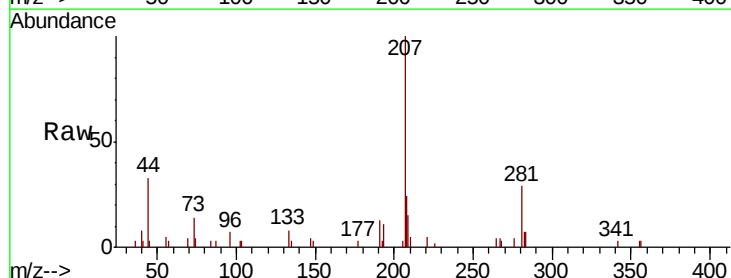
28.82

Time-->



#92
Benzo(g,h,i)perylene
Concen: 28.765 ng
RT: 29.90 min Scan# 4564
Delta R.T. -0.02 min
Lab File: BG041825.D
Acq: 31 Jul 2019 6:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.8	29.8#
138	0.0	16.6	25.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

29.90

Time-->

