

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041230.D
 Acq On : 13 Jun 2019 14:01
 Operator : HP/JU
 Sample : K3309-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 13 17:18:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 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	-8.11
21) Naphthalene-d8	10.77	136	53	20.00	ng	-0.16
39) Acenaphthene-d10	14.50	164	53	20.00	ng	-0.23
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.48
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.76
87) Perylene-d12	24.72	264	58	20.00	ng	-0.37

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
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	0.00	244	0	0.00	ng

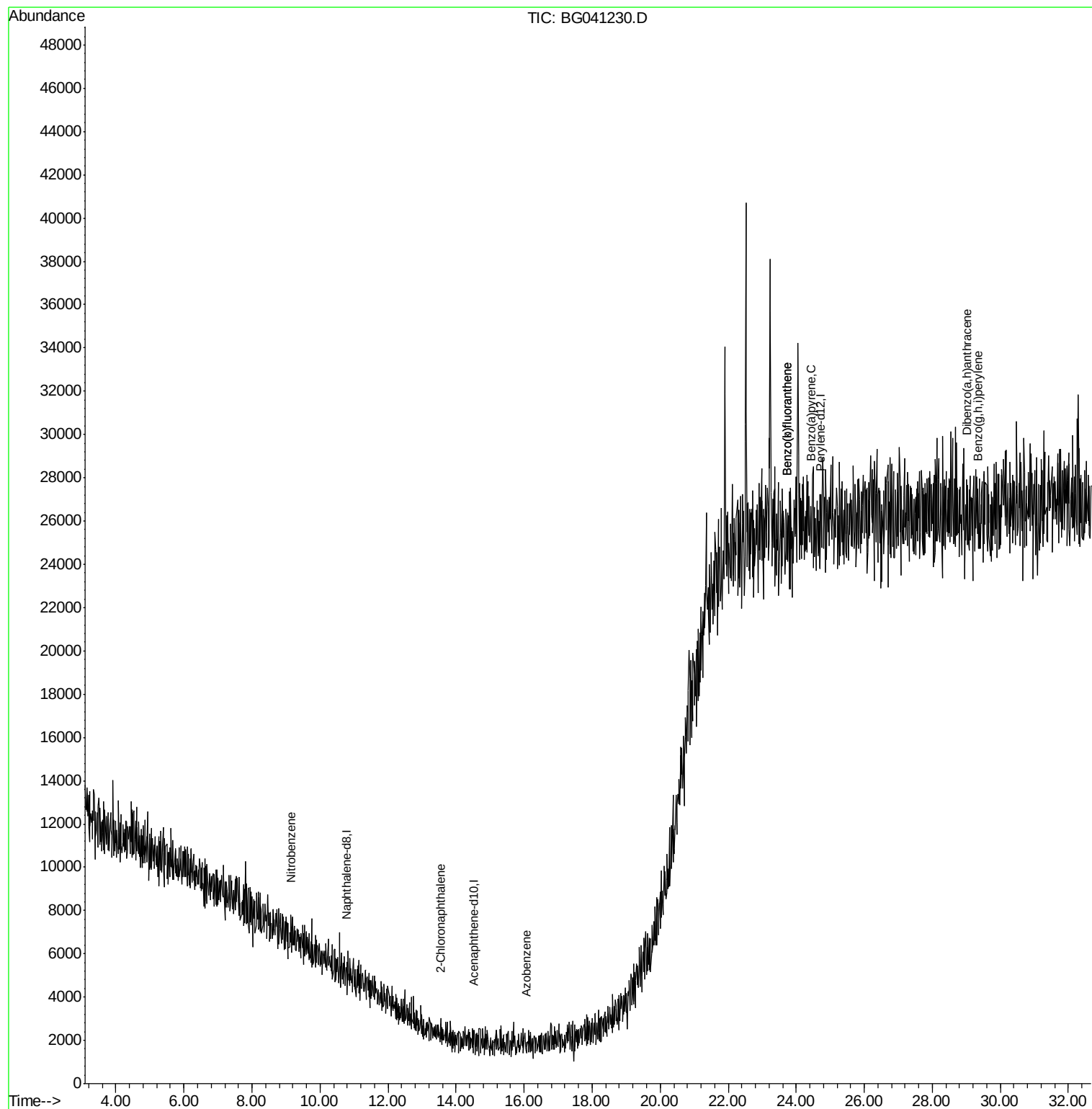
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
24) Nitrobenzene	9.16	77	54	44.384	ng	# 44
47) 2-Chloronaphthalene	13.55	162	57	16.924	ng	# 39
63) Azobenzene	16.07	77	60	14.418	ng	# 47
88) Benzo(b)fluoranthene	23.72	252	109	30.984	ng	# 59
89) Benzo(k)fluoranthene	23.72	252	109	31.311	ng	# 60
90) Benzo(a)pyrene	24.43	252	88	26.219	ng	# 57
91) Dibenzo(a,h)anthracene	29.02	278	55	16.400	ng	# 58
92) Benzo(g,h,i)perylene	29.36	276	131	40.206	ng	# 57

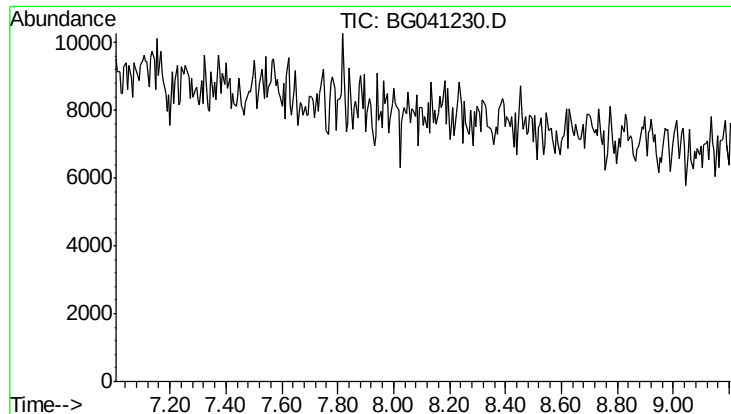
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 8.11 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Instrument :

BNA_G

ClientSampleId :

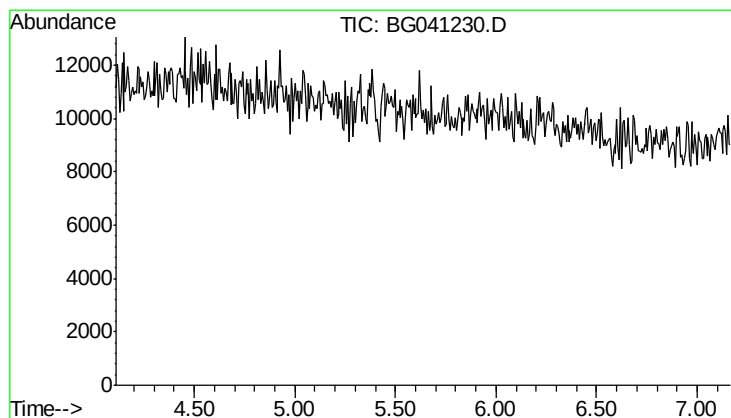
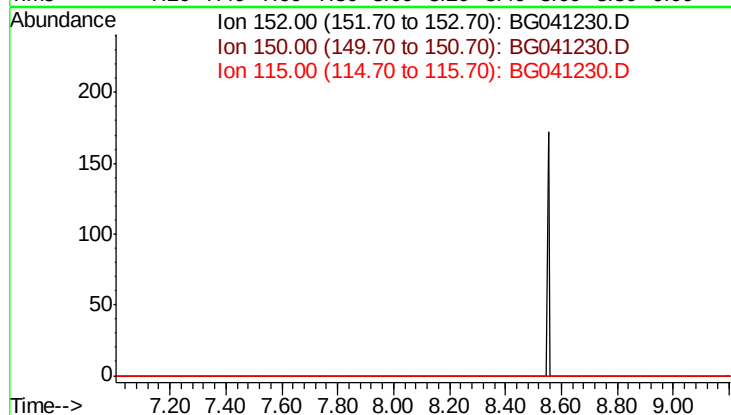
Tot Ion: 152

Sig Exp Ratio

152 100

150 150.7

115 56.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.64 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

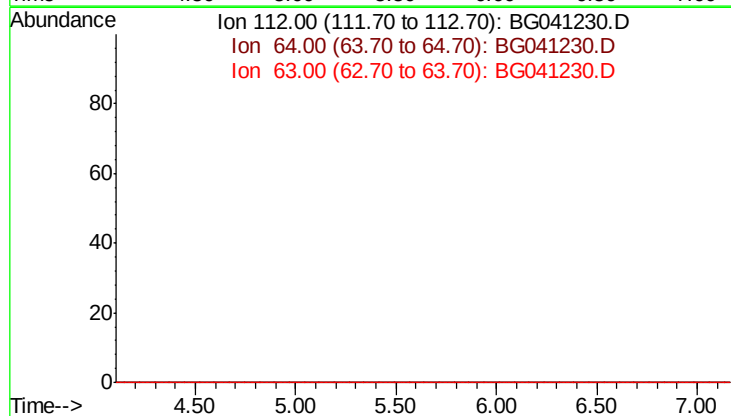
Tgt Ion: 112

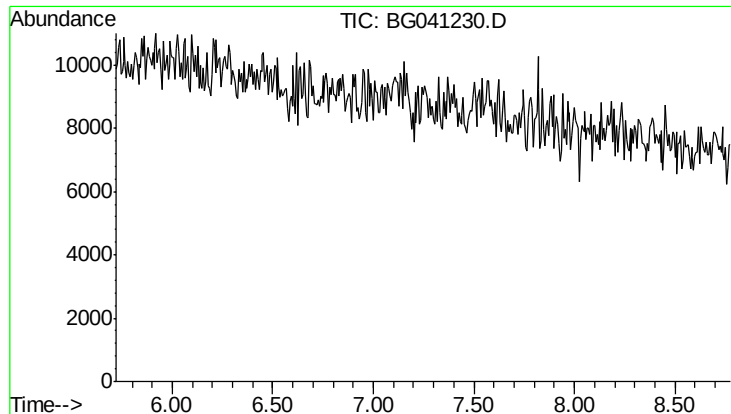
Sig Exp Ratio

112 100

64 70.2

63 41.0





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.25 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Instrument :

BNA_G

ClientSampleId :

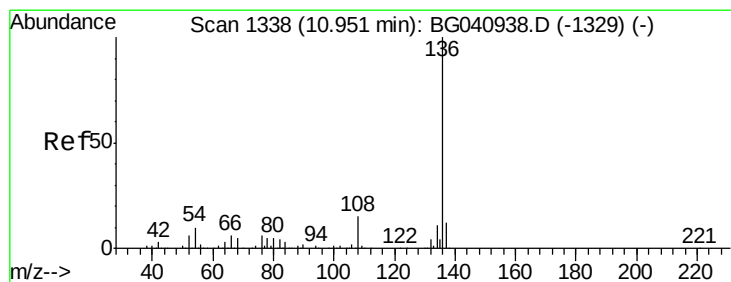
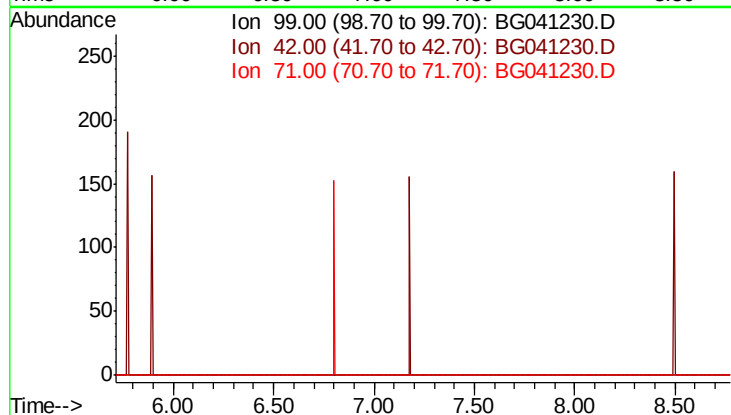
Tot Ion: 99

Sig Exp Ratio

99 100

42 22.4

71 44.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.16 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Tgt Ion:136 Resp: 53

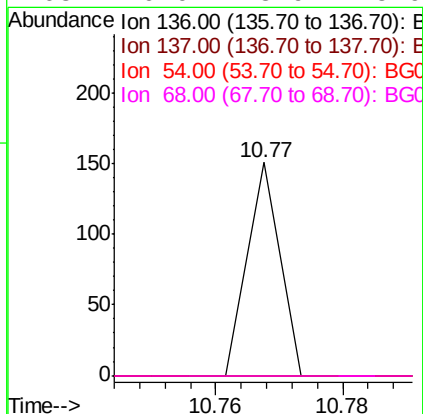
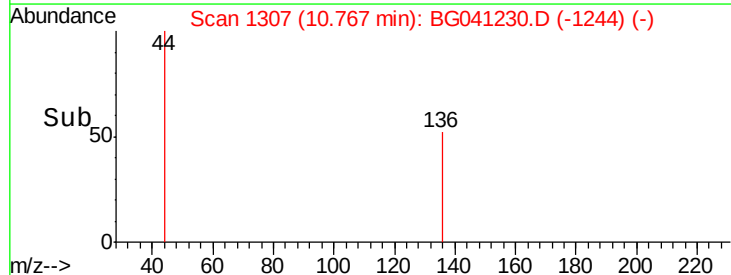
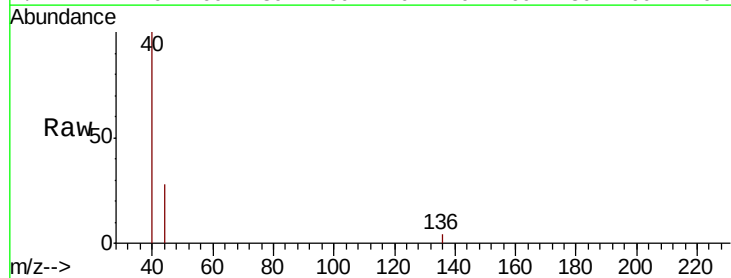
Ion Ratio Lower Upper

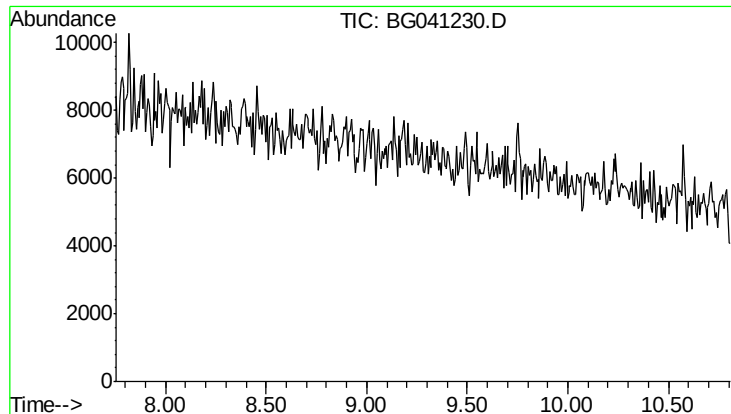
136 100

137 0.0 9.5 14.3#

54 0.0 7.6 11.4#

68 0.0 3.9 5.9#

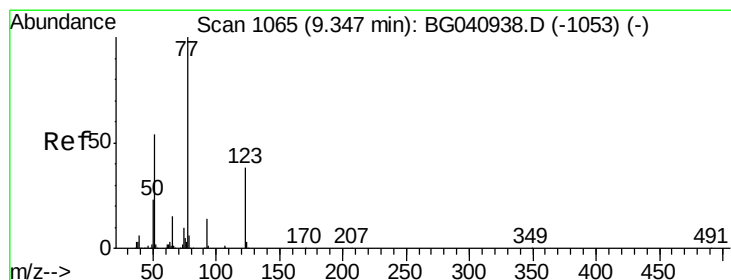
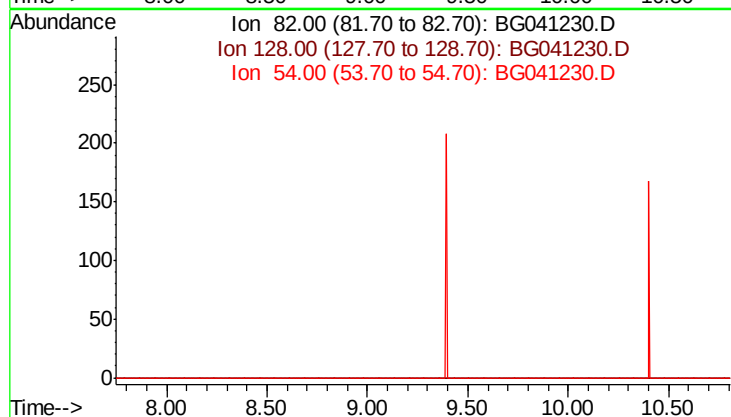




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.28 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

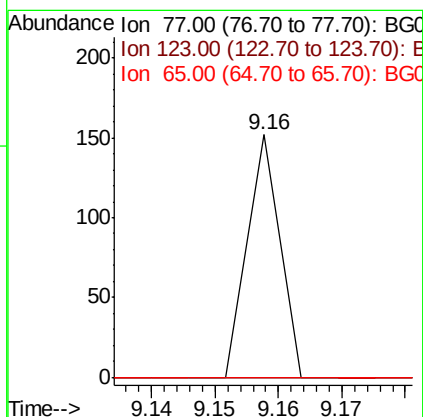
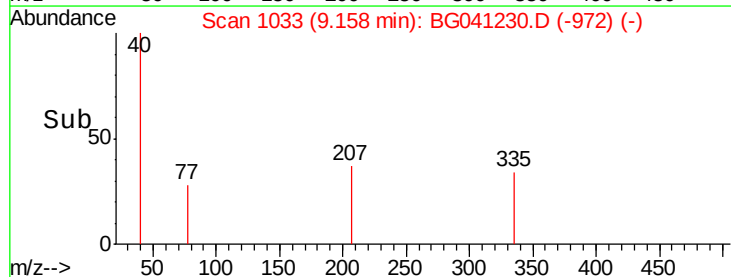
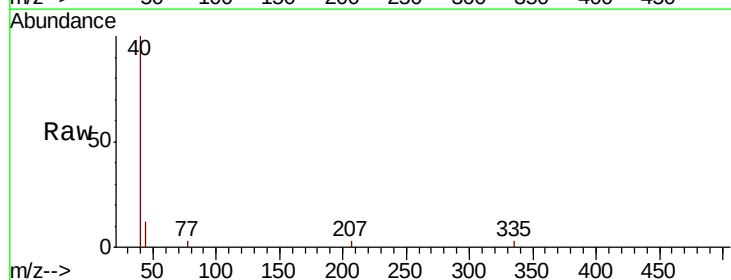
Instrument :
 BNA_G
 ClientSampleId :

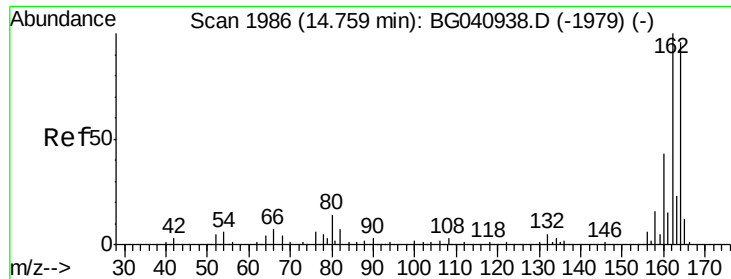
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 38.1
 54 55.7



#24
 Nitrobenzene
 Concen: 44.384 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.17 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

Tgt Ion: 77 Resp: 54
 Ion Ratio Lower Upper
 77 100
 123 0.0 30.6 46.0#
 65 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.50 min Scan# 1943

Delta R.T. -0.23 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Instrument :

BNA_G

ClientSampleId :

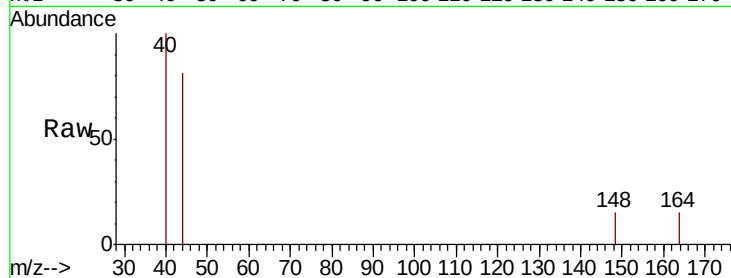
Tot Ion:164 Resp: 53

Ion Ratio Lower Upper

164 100

162 0.0 83.0 124.4#

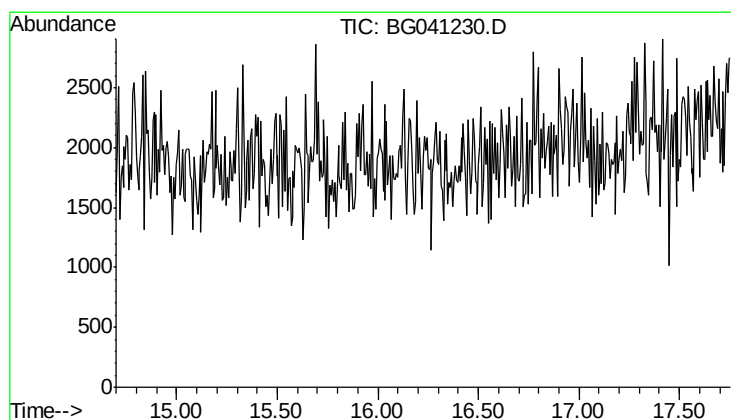
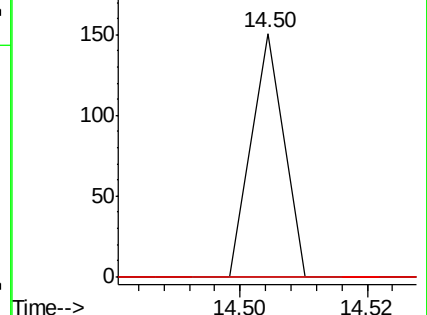
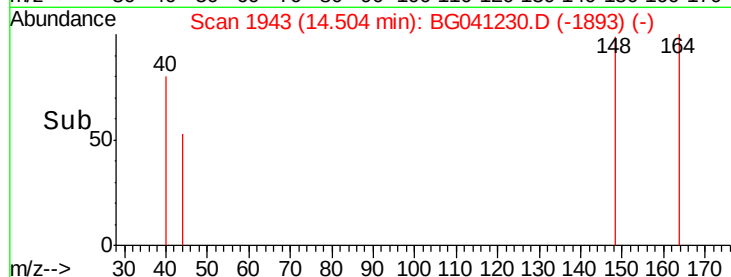
160 0.0 35.6 53.4#



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: 0.000 ng

Expected RT: 16.22 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

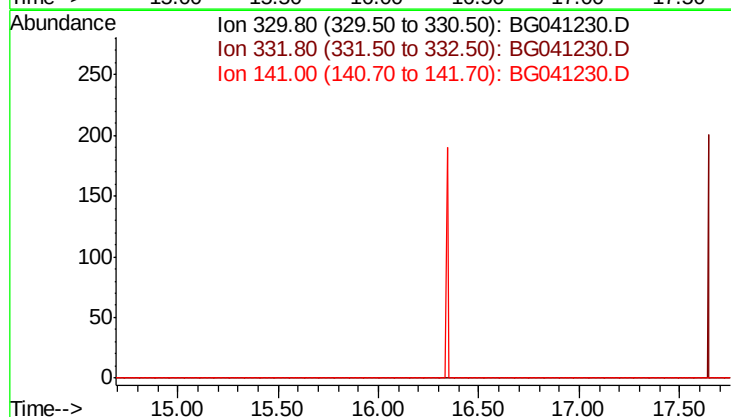
Tgt Ion: 330

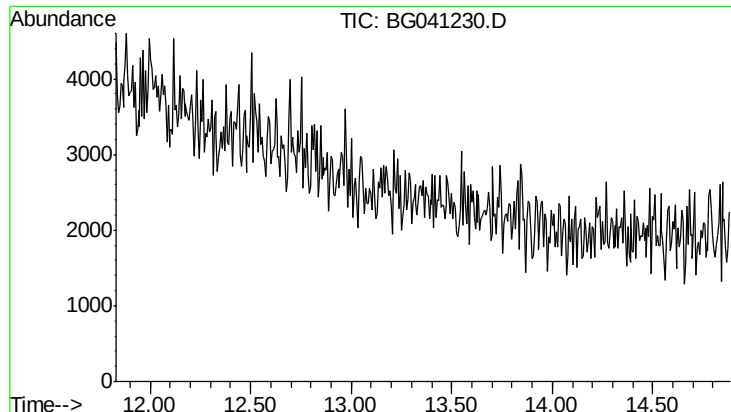
Sig Exp Ratio

330 100

332 98.1

141 35.9

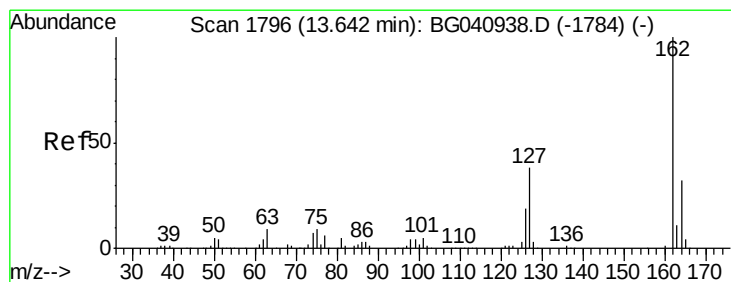
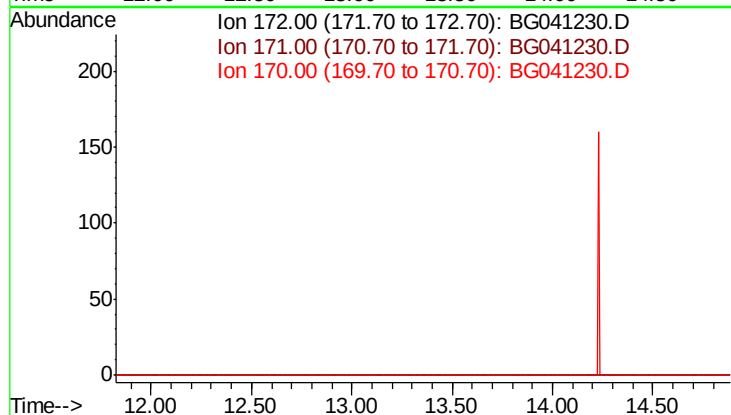




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.36 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

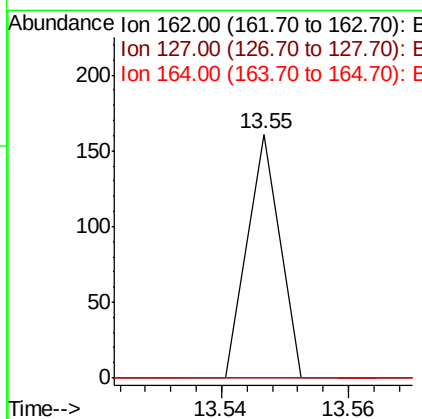
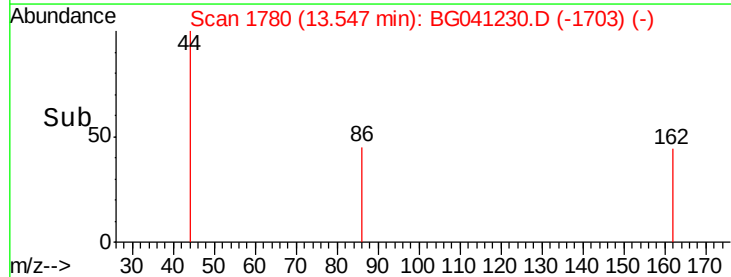
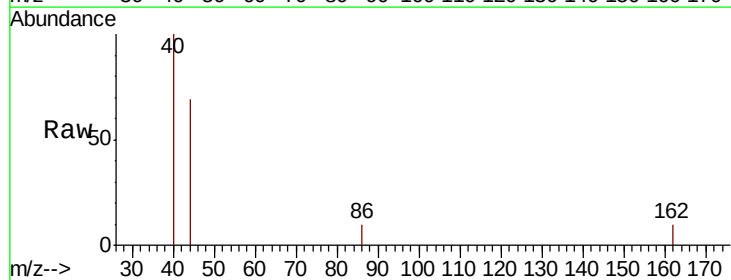
Instrument :
 BNA_G
 ClientSampleId :

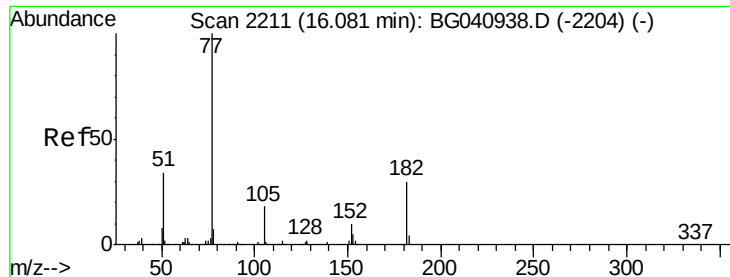
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 38.9
 170 25.6



#47
 2-Chloronaphthalene
 Concen: 16.924 ng
 RT: 13.55 min Scan# 1780
 Delta R.T. -0.08 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

Tgt Ion: 162 Resp: 57
 Ion Ratio Lower Upper
 162 100
 127 0.0 30.5 45.7#
 164 0.0 25.8 38.6#





#63

Azobenzene

Concen: 14.418 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 60

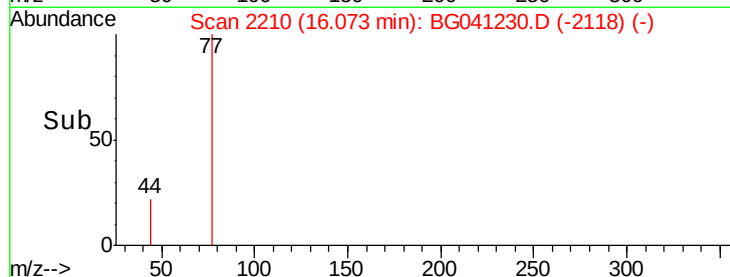
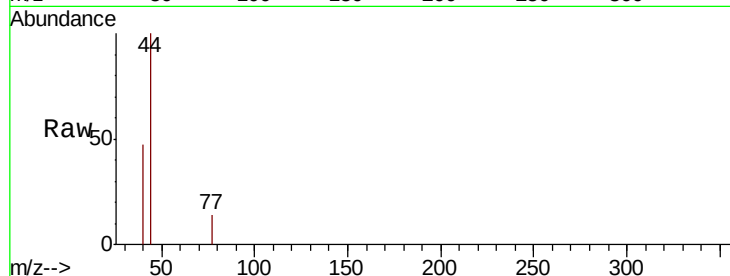
Ion Ratio Lower Upper

77 100

182 0.0 9.6 49.6#

105 0.0 0.0 37.5

51 0.0 13.7 53.7#

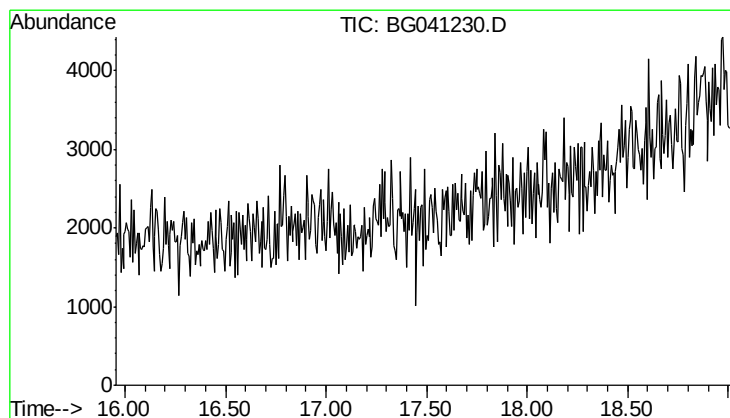
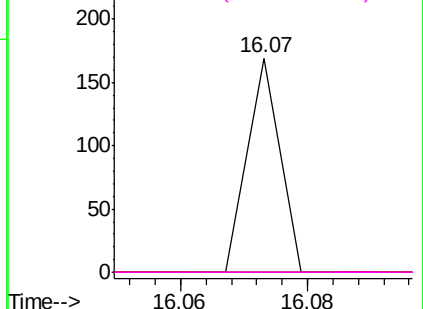


Abundance Ion 77.00 (76.70 to 77.70): BG0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG0



#64

Phenanthrene-d10

Concen: 0.000 ng

Expected RT: 17.48 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

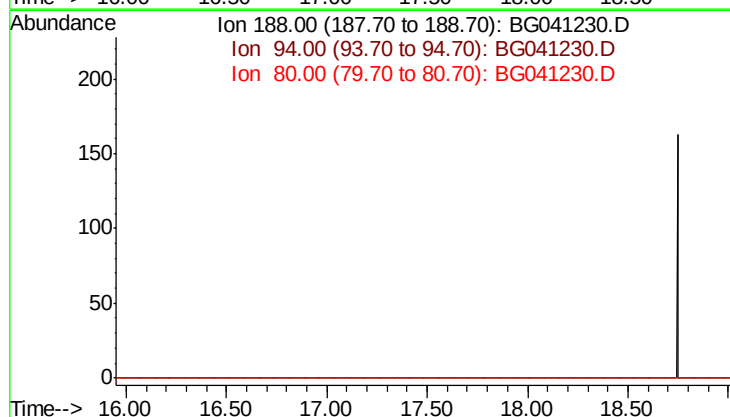
Tgt Ion: 188

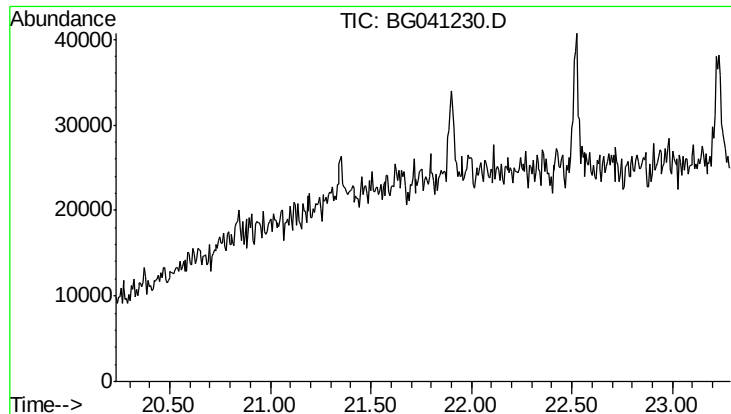
Sig Exp Ratio

188 100

94 5.9

80 7.3

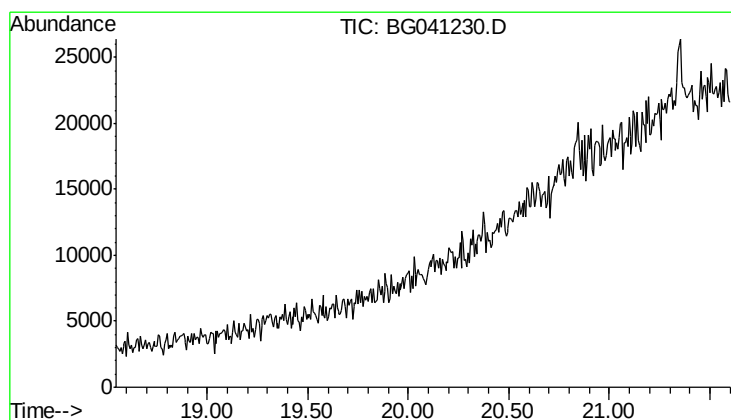
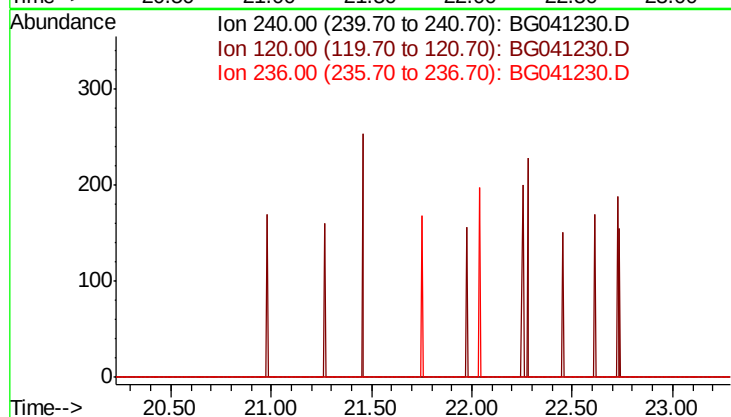




#76
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 21.76 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

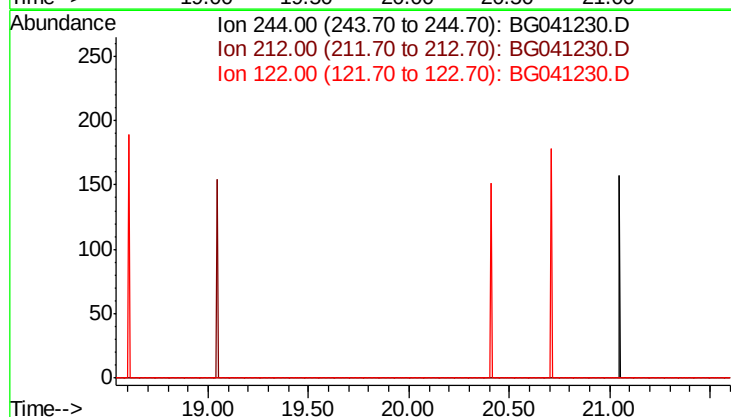
Instrument :
 BNA_G
 ClientSampleId :

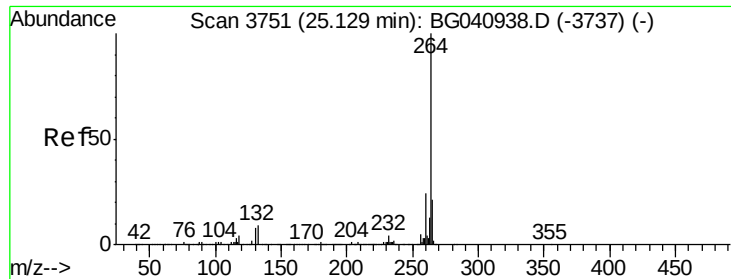
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 5.6
 236 26.6



#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 20.07 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 8.7
 122 6.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3681

Delta R.T. -0.37 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

Instrument :

BNA_G

ClientSampled :

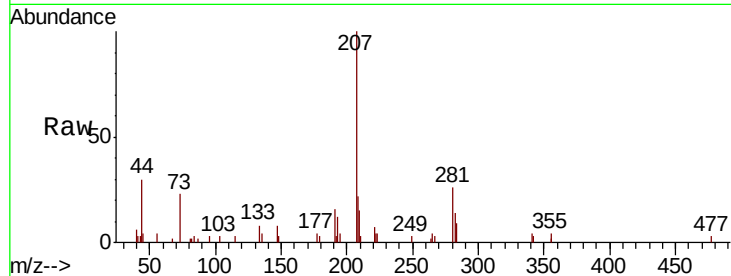
Tot Ion:264 Resp: 58

Ion Ratio Lower Upper

264 100

260 0.0 19.0 28.4#

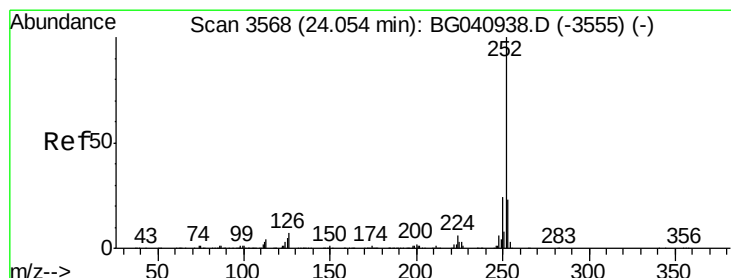
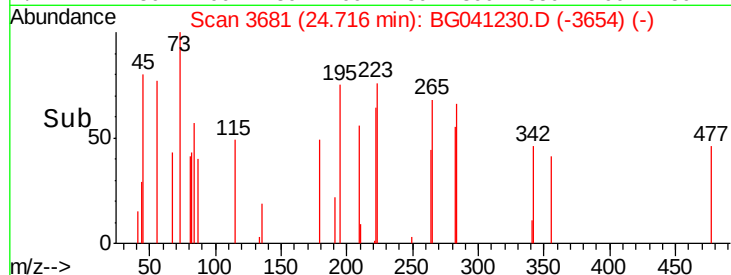
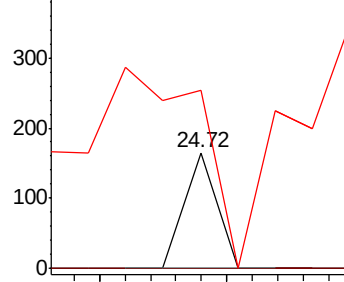
265 154.5 17.0 25.4#



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: 30.984 ng

RT: 23.72 min Scan# 3512

Delta R.T. -0.29 min

Lab File: BG041230.D

Acq: 13 Jun 2019 14:01

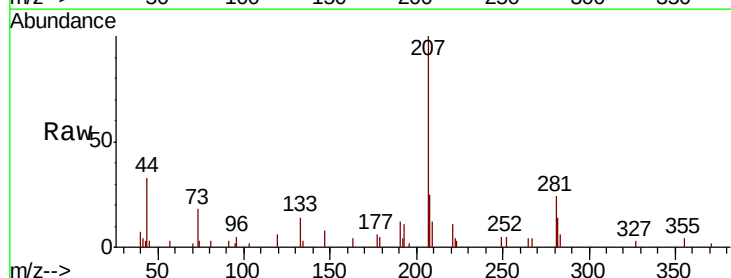
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

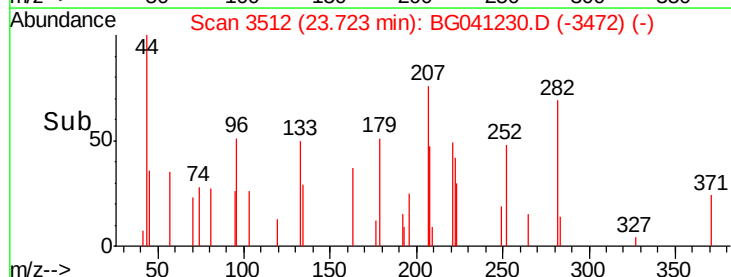
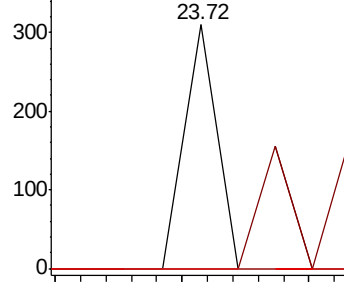
125 0.0 4.3 6.5#

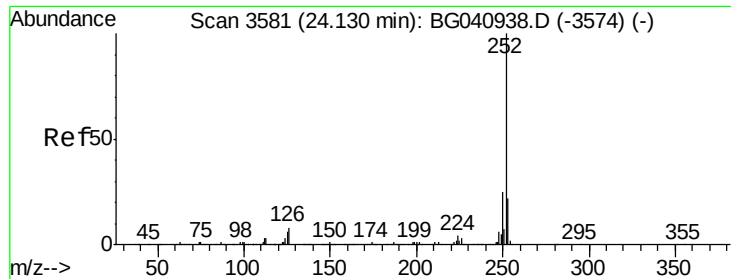


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

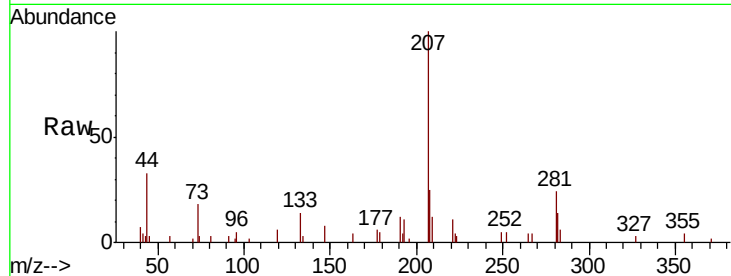




#89
Benzo(k)fluoranthene
Concen: 31.311 ng
RT: 23.72 min Scan# 3512
Delta R.T. -0.37 min
Lab File: BG041230.D
Acq: 13 Jun 2019 14:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.8	26.6#
125	0.0	4.7	7.1#

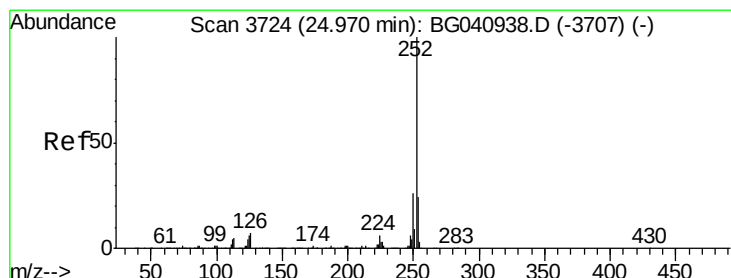
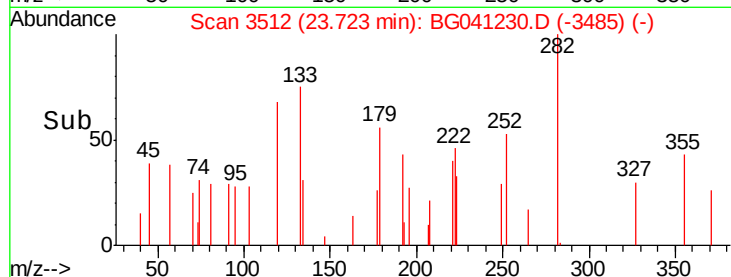
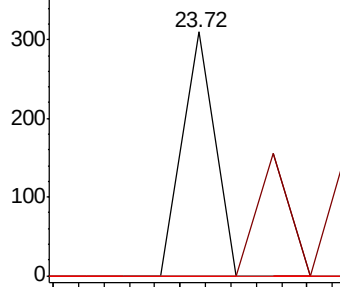


Abundance

Ion 252.00 (251.70 to 252.70): E

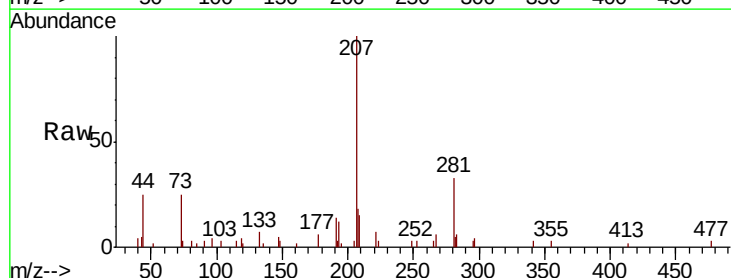
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 26.219 ng
RT: 24.43 min Scan# 3633
Delta R.T. -0.49 min
Lab File: BG041230.D
Acq: 13 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.5	29.3#
125	0.0	5.1	7.7#

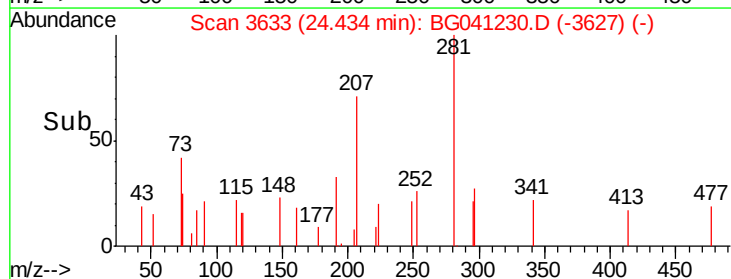
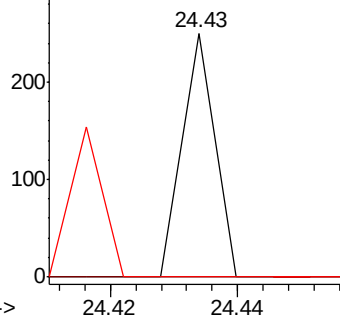


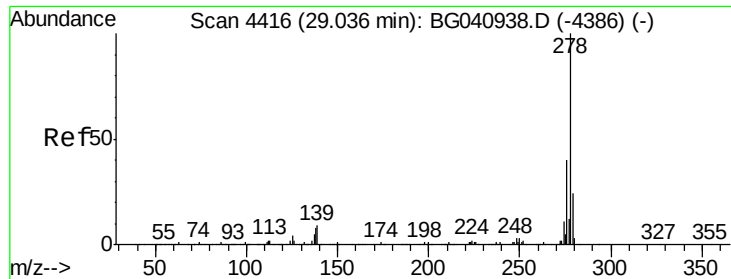
Abundance

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

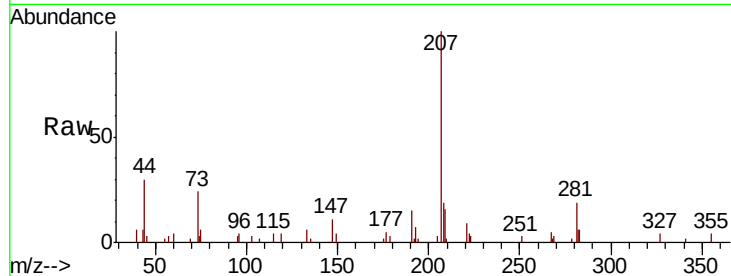




#91
 Dibenzo(a,h)anthracene
 Concen: 16.400 ng
 RT: 29.02 min Scan# 4413
 Delta R.T. 0.05 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.1	10.7#
279	0.0	19.4	29.2#



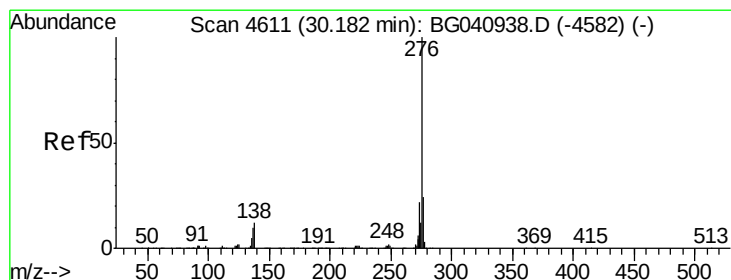
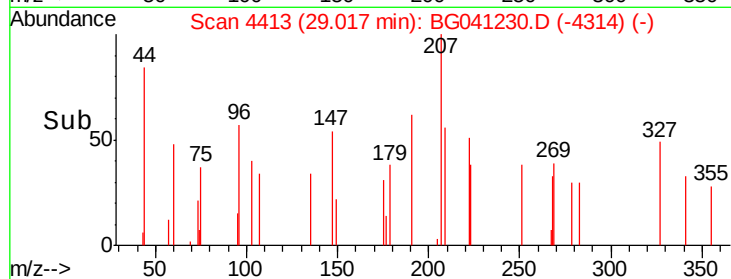
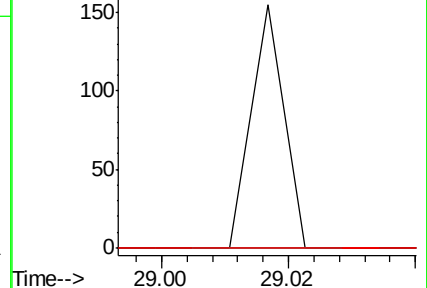
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

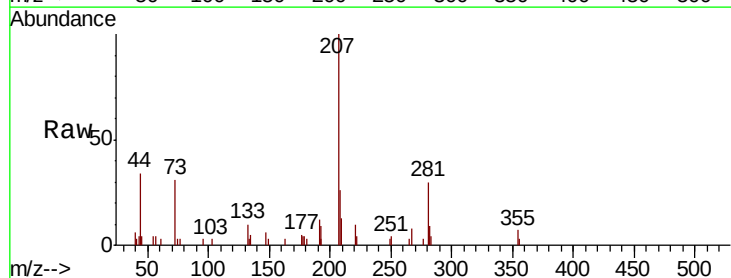
Ion 279.00 (278.70 to 279.70): E

29.02



#92
 Benzo(g,h,i)perylene
 Concen: 40.206 ng
 RT: 29.36 min Scan# 4471
 Delta R.T. -0.76 min
 Lab File: BG041230.D
 Acq: 13 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.4	29.0#
138	0.0	9.7	14.5#



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

29.36

