

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042406.D
 Acq On : 22 Aug 2019 18:16
 Operator : HP/JU
 Sample : PB122408BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB122408BS

Quant Time: Aug 23 02:34:38 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	8.04	152	72	20.00	ng	0.04
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	0.00	188	0	0.00	ng	-17.42
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.70
87) Perylene-d12	24.84	264	414511	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.24	99	257	53.52	ng	0.06
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	

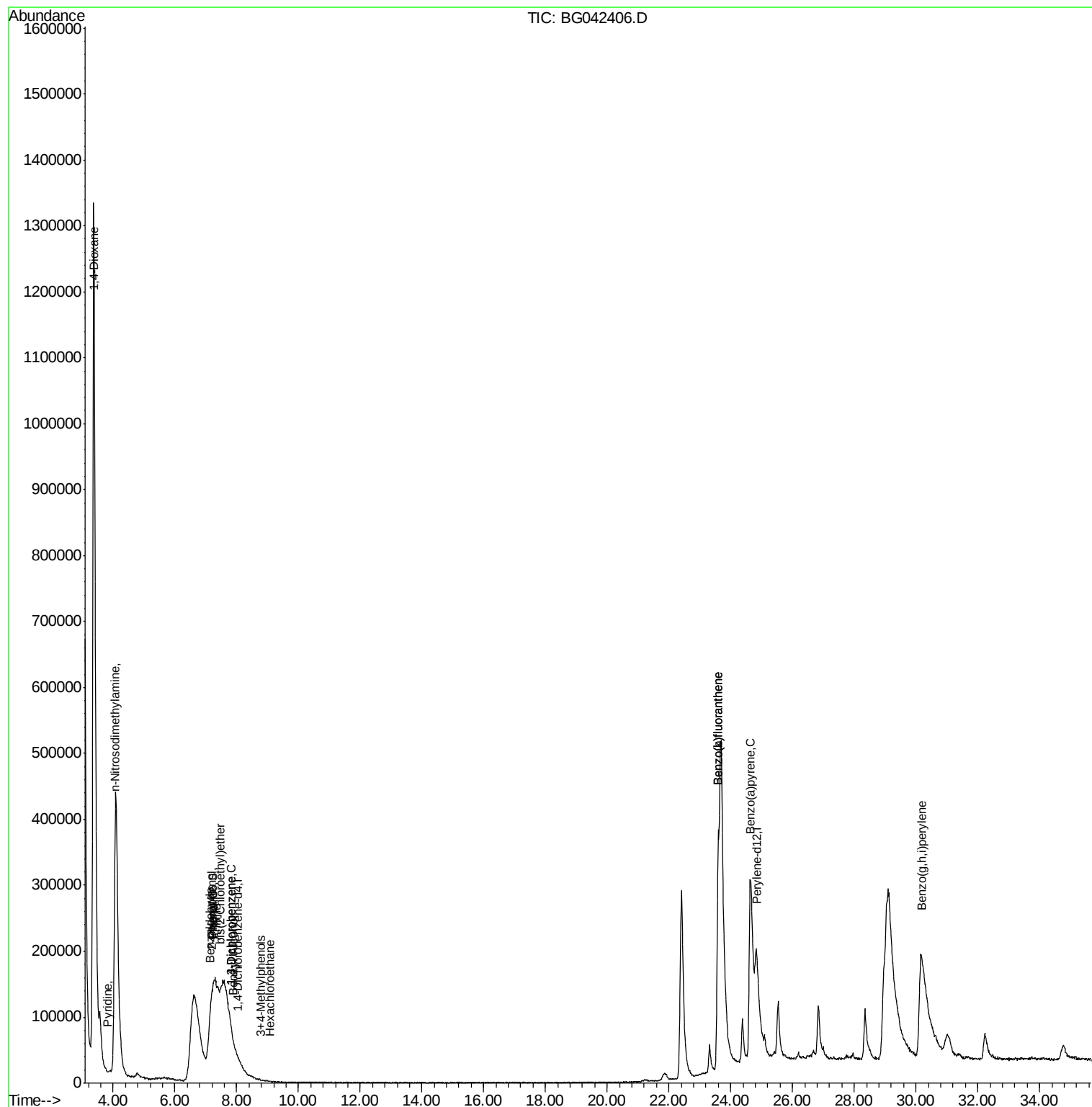
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	36535	24626.100	ng	# 24
3) Pyridine	3.83	79	384	100.940	ng	# 22
4) n-Nitrosodimethylamine	4.06	42	17083	12572.598	ng	# 1
6) Aniline	7.36	93	243	37.940	ng	# 45
8) 2-Chlorophenol	7.18	128	55	12.766	ng	# 39
9) Benzaldehyde	7.15	77	316	131.441	ng	# 30
10) Phenol	7.23	94	56	11.470	ng	# 43
11) bis(2-Chloroethyl)ether	7.46	93	68	17.734	ng	# 35
12) 1,3-Dichlorobenzene	7.84	146	58	10.582	ng	# 1
13) 1,4-Dichlorobenzene	7.84	146	58	10.447	ng	# 27
15) Benzyl Alcohol	7.90	79	55	15.920	ng	# 12
18) Hexachloroethane	9.07	117	56	29.464	ng	# 1
20) 3+4-Methylphenols	8.78	107	57	11.454	ng	# 21
88) Benzo(b)fluoranthene	23.61	252	536432	23.540	ng	98
89) Benzo(k)fluoranthene	23.61	252	536432	24.490	ng	98
90) Benzo(a)pyrene	24.63	252	1273819	58.907	ng	98
92) Benzo(a,h,i)perylene	30.17	276	212473	9.703	ng	96

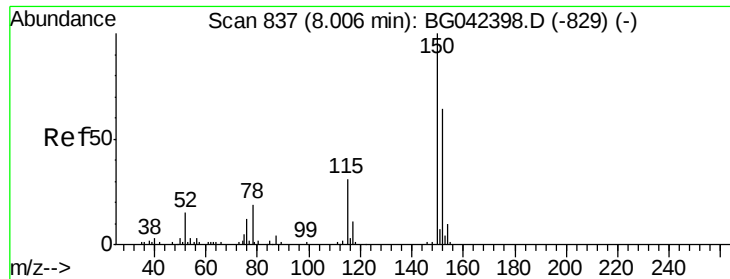
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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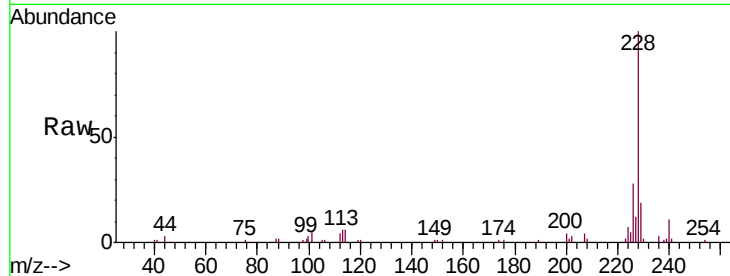


#1

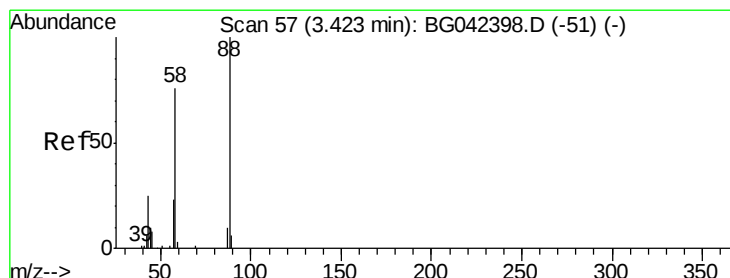
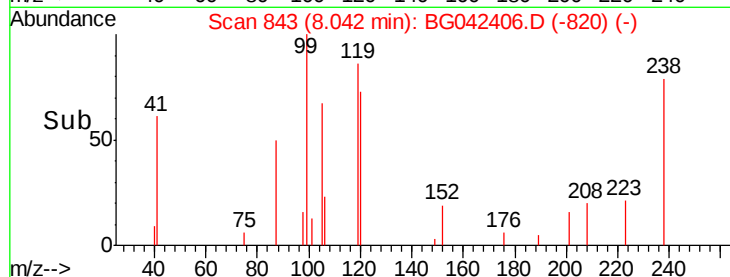
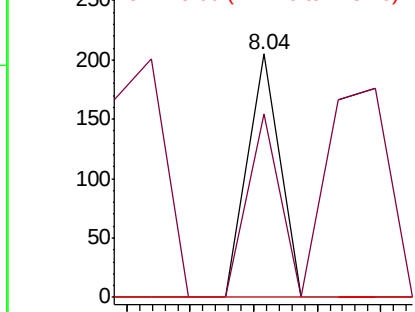
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. 0.04 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

Instrument :
BNA_G
ClientSampleID :
PB122408BS

Tot Ion:152 Resp: 72
Ion Ratio Lower Upper
152 100
150 75.1 125.4 188.0#
115 0.0 38.5 57.7#



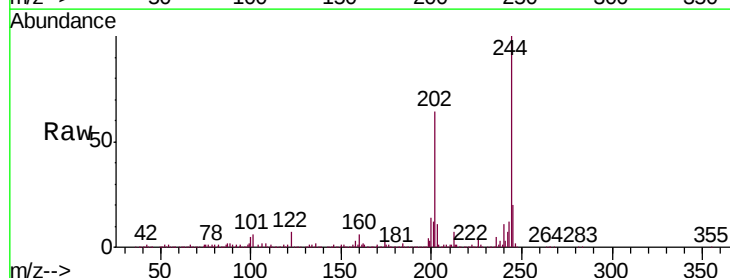
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



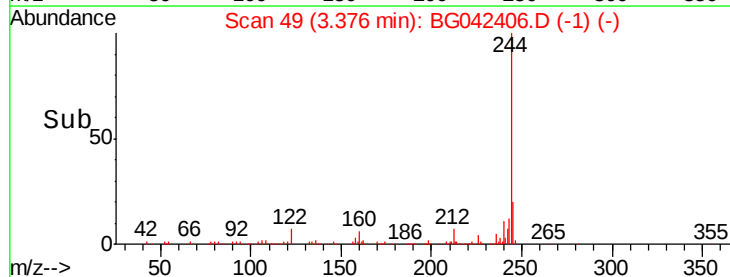
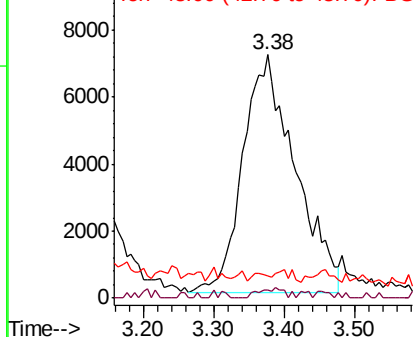
#2

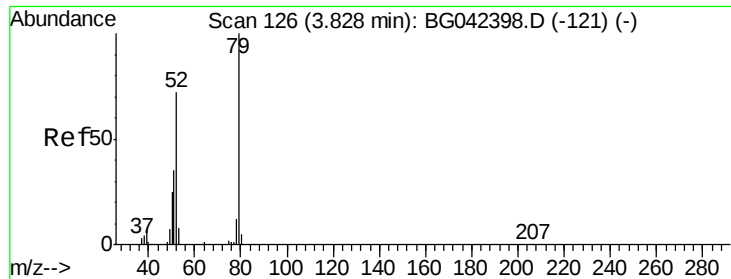
1,4-Dioxane
Concen: 24626.100 ng
RT: 3.38 min Scan# 49
Delta R.T. -0.05 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

Tgt Ion: 88 Resp: 36535
Ion Ratio Lower Upper
88 100
58 2.0 58.3 87.5#
43 0.0 20.2 30.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 100.940 ng

RT: 3.83 min Scan# 126

Delta R.T. 0.00 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

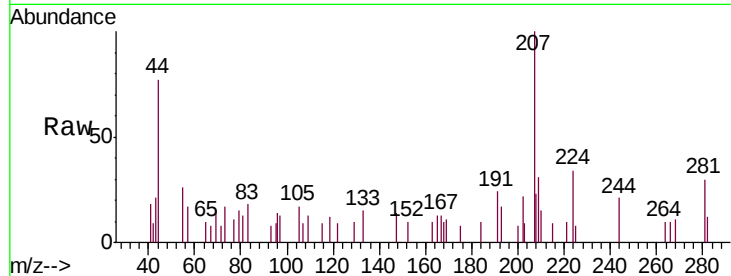
Tot Ion: 79 Resp: 384

Ion Ratio Lower Upper

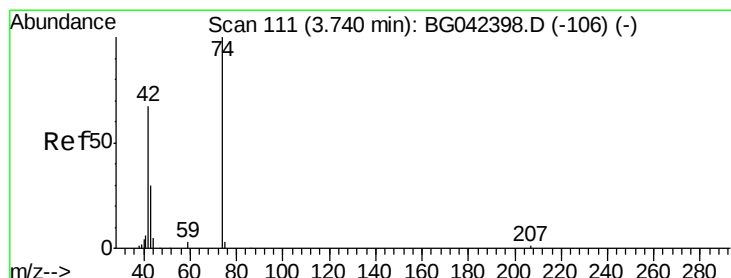
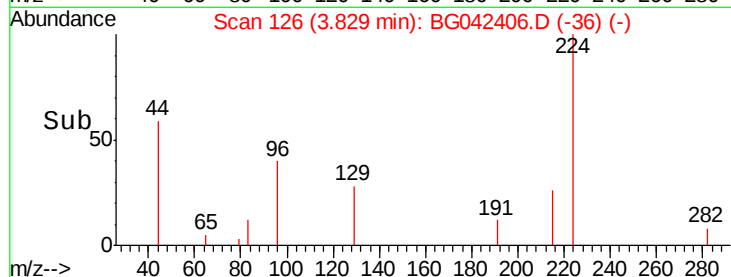
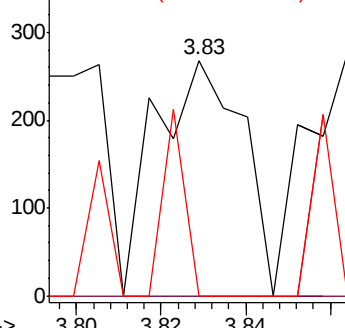
79 100

52 0.0 57.7 86.5#

51 0.0 28.8 43.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 12572.598 ng

RT: 4.06 min Scan# 165

Delta R.T. 0.32 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

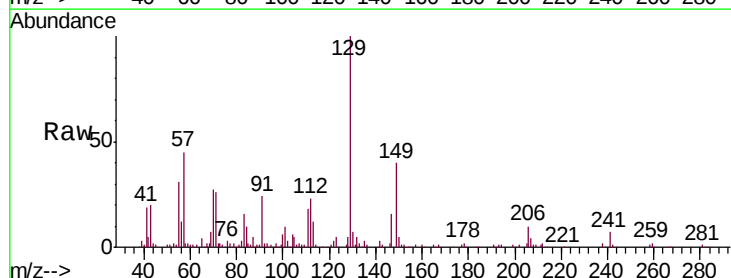
Tgt Ion: 42 Resp: 17083

Ion Ratio Lower Upper

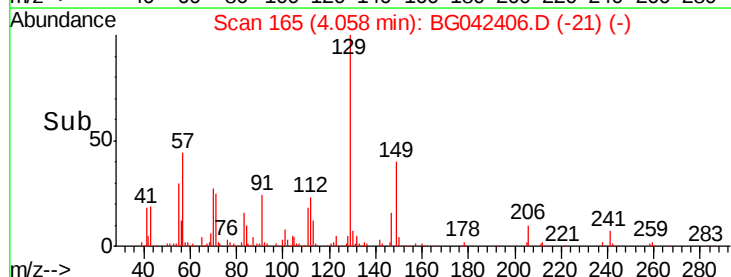
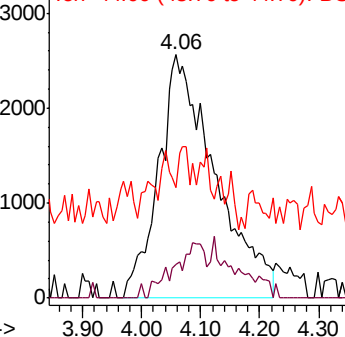
42 100

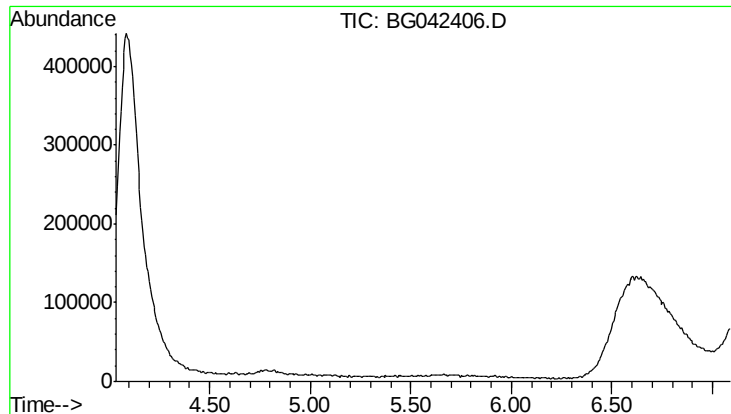
74 13.9 119.6 179.4#

44 45.2 6.5 9.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC

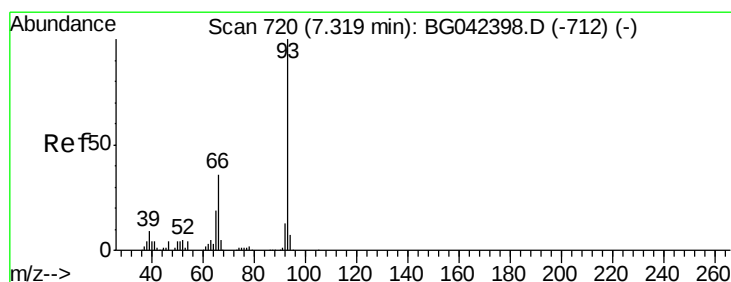
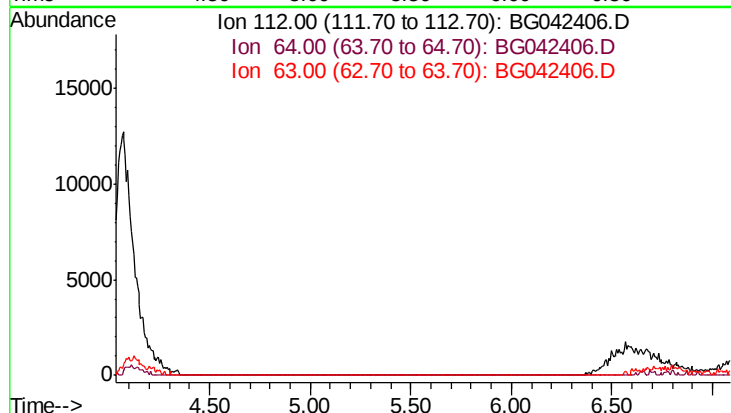




#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.56 min
 Lab File: BG042406.D
 Acq: 22 Aug 2019 18:16

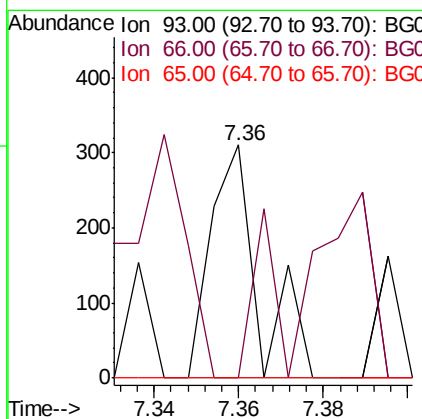
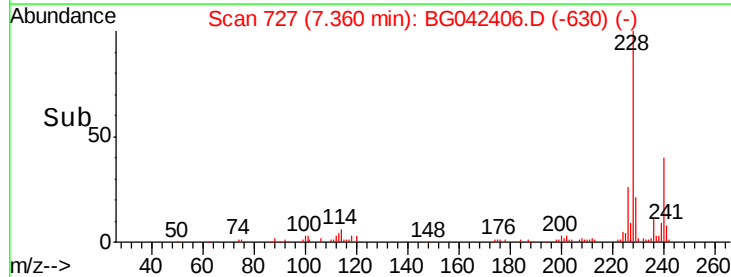
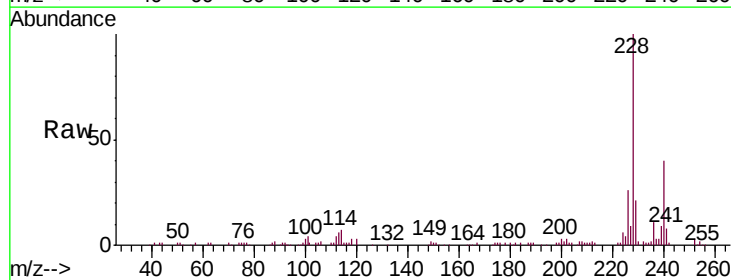
Instrument :
 BNA_G
 ClientSampleId :
 PB122408BS

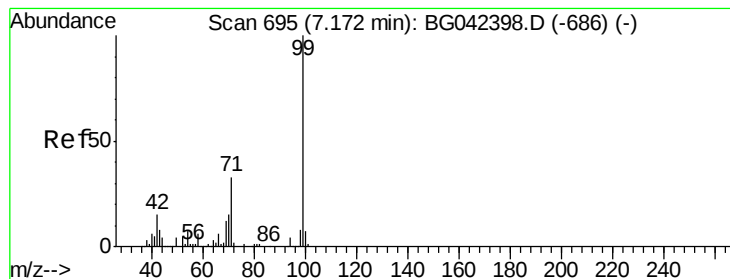
Tot Ion: 112
 Sig Exp Ratio
 112 100
 64 53.5
 63 28.4



#6
 Aniline
 Concen: 37.940 ng
 RT: 7.36 min Scan# 727
 Delta R.T. 0.04 min
 Lab File: BG042406.D
 Acq: 22 Aug 2019 18:16

Tgt Ion: 93 Resp: 243
 Ion Ratio Lower Upper
 93 100
 66 0.0 29.0 43.6#
 65 0.0 15.2 22.8#





#7

Phenol-d6

Concen: 53.519 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.06 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

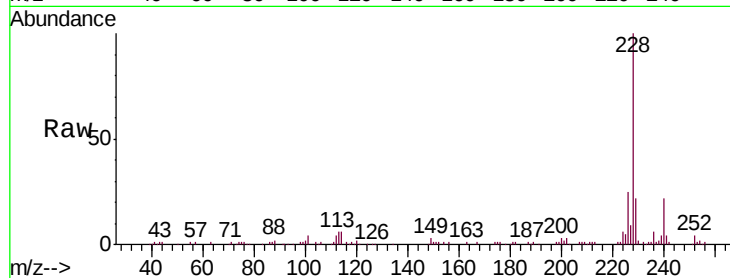
Tot Ion: 99 Resp: 257

Ion Ratio Lower Upper

99 100

42 26.8 12.0 18.0#

71 36.1 26.3 39.5



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

7.24

600

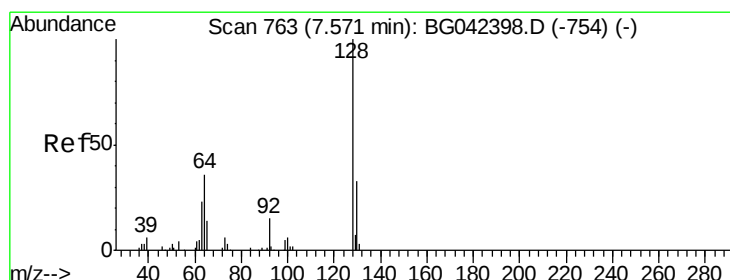
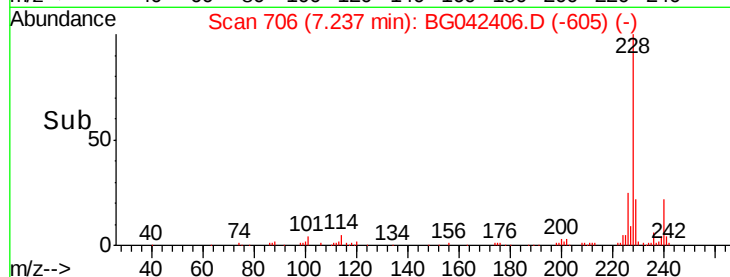
400

200

0

7.22 7.23 7.24 7.25 7.26

Time-->



#8

2-Chlorophenol

Concen: 12.766 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.39 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

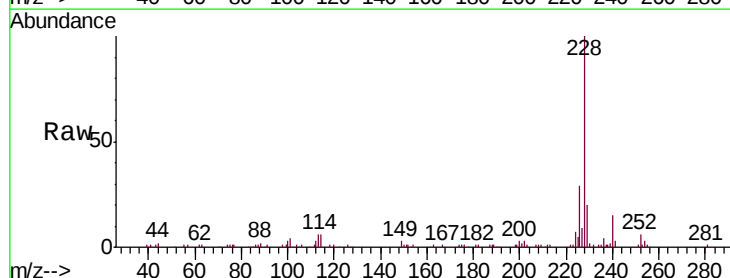
Tgt Ion: 128 Resp: 55

Ion Ratio Lower Upper

128 100

130 0.0 12.8 52.8#

64 0.0 19.2 59.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC

250

200

150

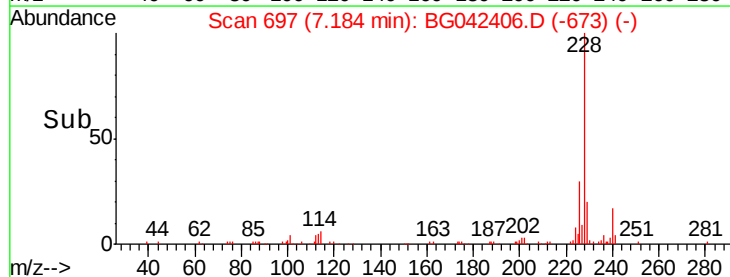
100

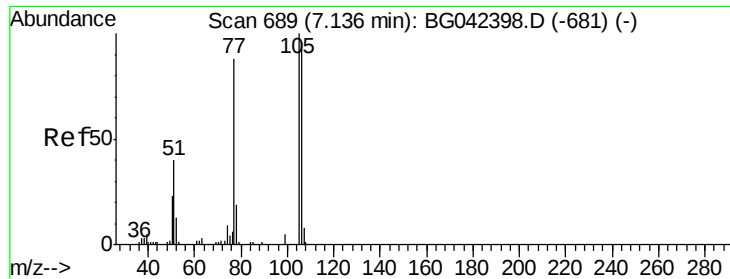
50

0

7.17 7.18 7.19 7.20

Time-->





#9

Benzaldehyde

Concen: 131.441 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

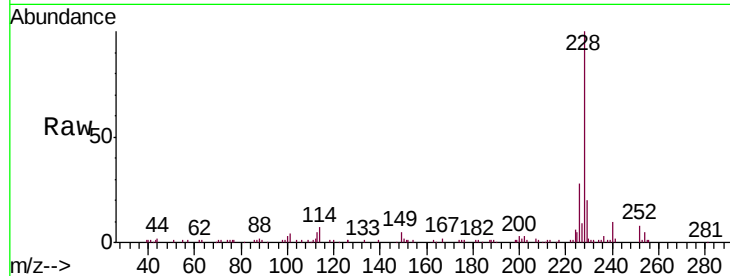
Tot Ion: 77 Resp: 316

Ion Ratio Lower Upper

77 100

105 0.0 93.4 133.4#

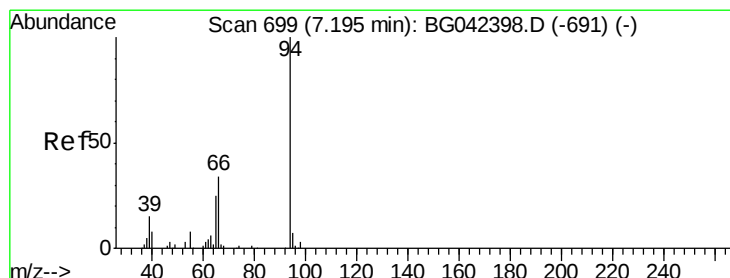
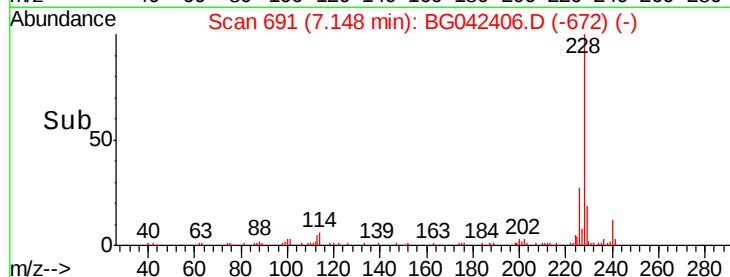
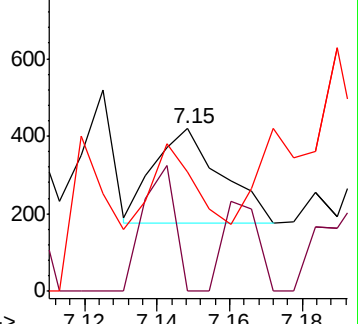
106 73.5 88.4 128.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 11.470 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.04 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

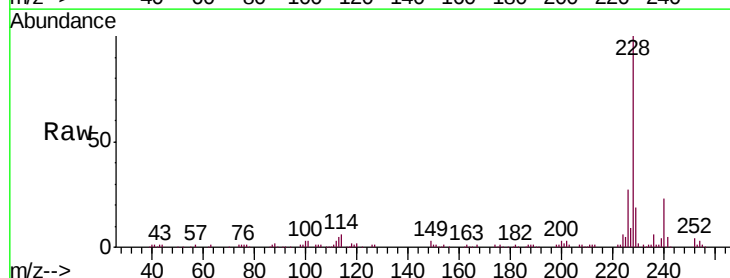
Tgt Ion: 94 Resp: 56

Ion Ratio Lower Upper

94 100

65 0.0 5.6 45.6#

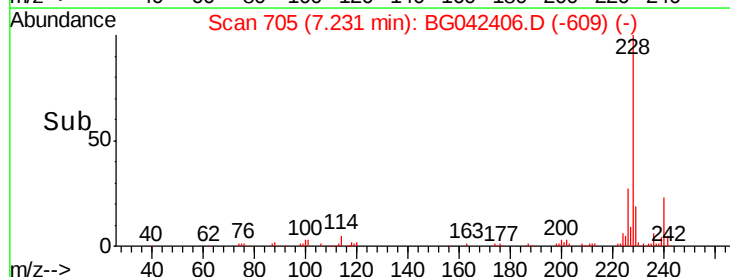
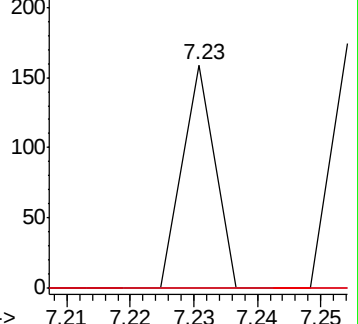
66 0.0 16.0 56.0#

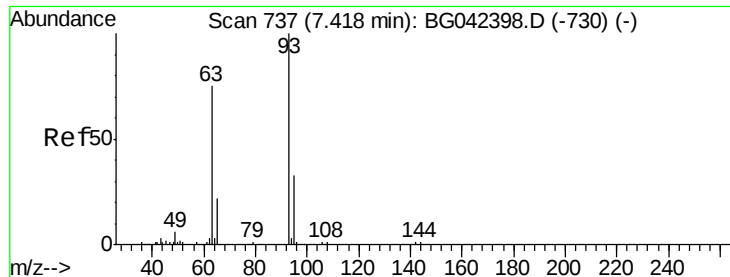


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 17.734 ng

RT: 7.46 min Scan# 744

Delta R.T. 0.04 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

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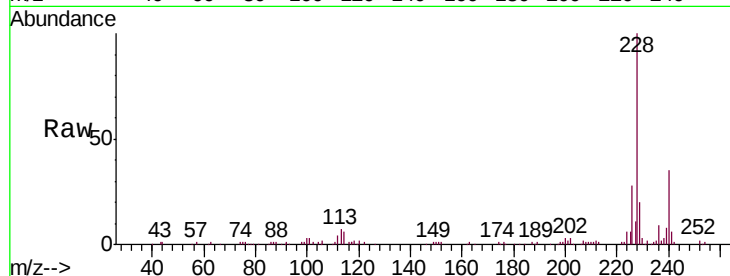
Tot Ion: 93 Resp: 68

Ion Ratio Lower Upper

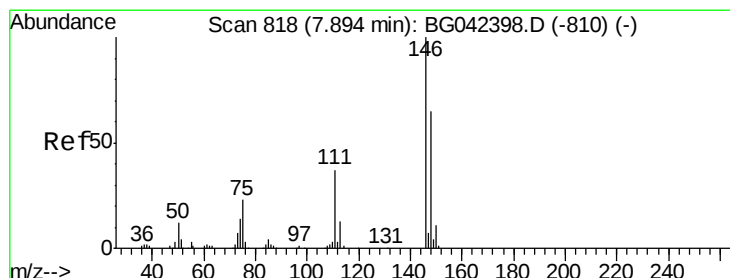
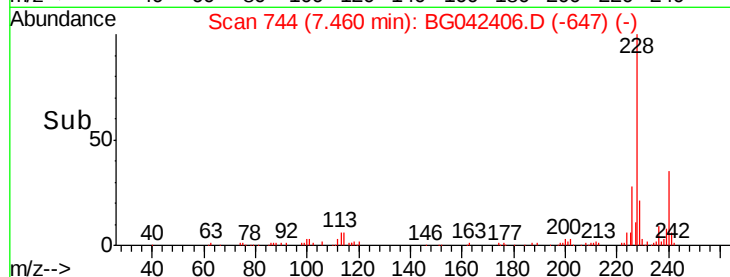
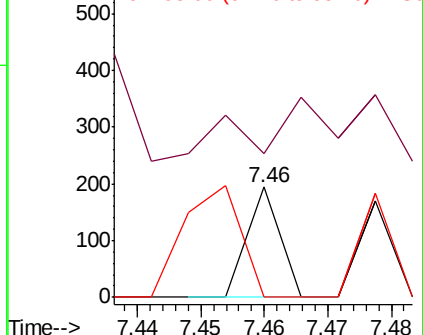
93 100

63 130.9 53.8 93.8#

95 0.0 13.1 53.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 10.582 ng

RT: 7.84 min Scan# 809

Delta R.T. -0.05 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

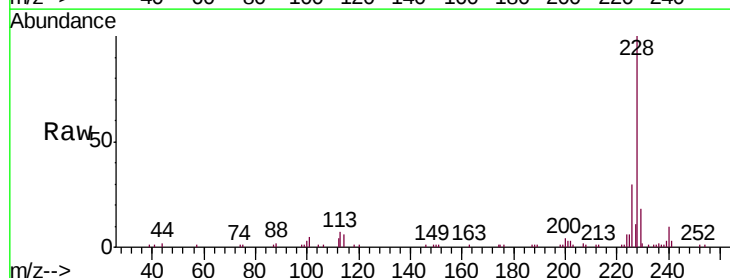
Tgt Ion: 146 Resp: 58

Ion Ratio Lower Upper

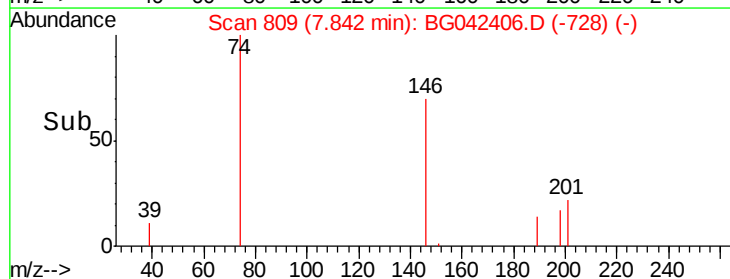
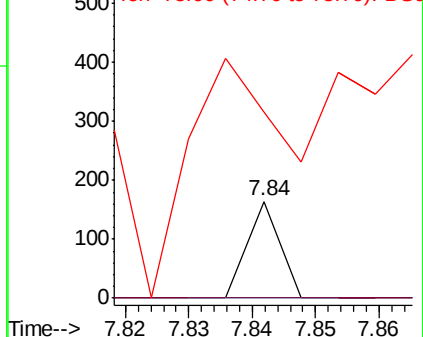
146 100

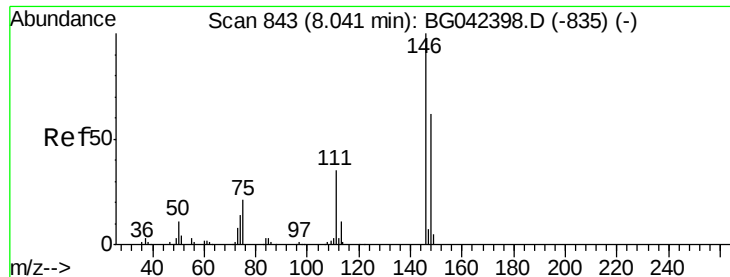
148 0.0 52.2 78.2#

75 192.7 18.0 27.0#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 10.447 ng

RT: 7.84 min Scan# 809

Delta R.T. -0.20 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

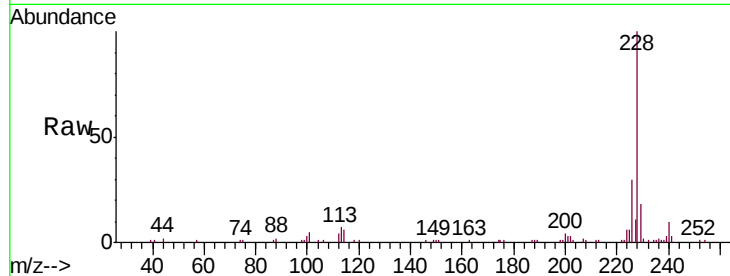
Tot Ion:146 Resp: 58

Ion Ratio Lower Upper

146 100

148 0.0 49.5 74.3#

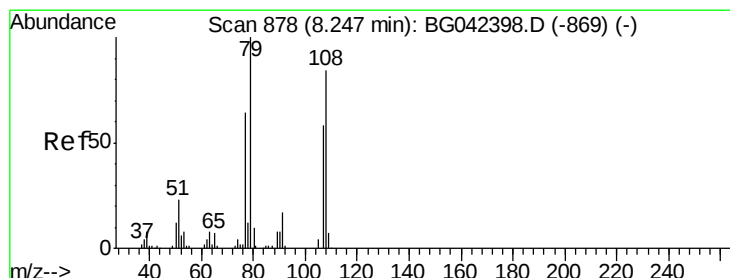
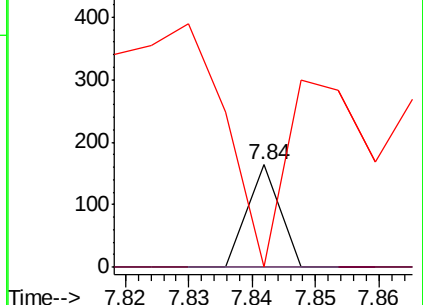
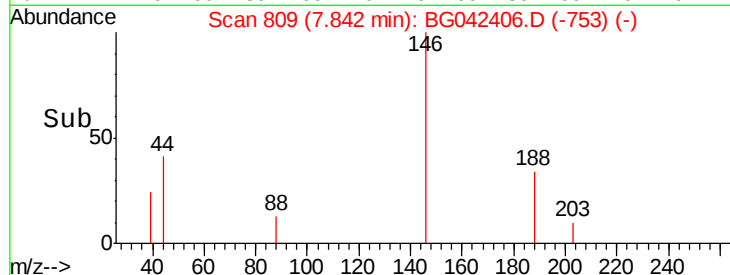
111 0.0 28.1 42.1#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 15.920 ng

RT: 7.90 min Scan# 819

Delta R.T. -0.35 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

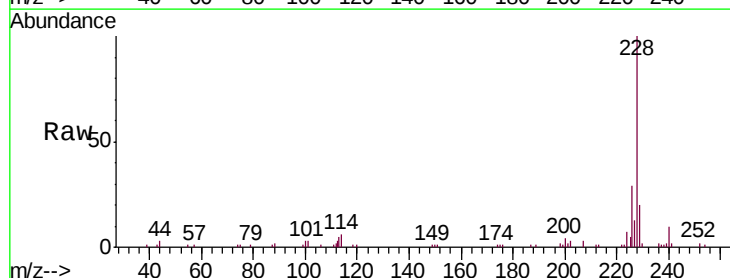
Tgt Ion: 79 Resp: 55

Ion Ratio Lower Upper

79 100

108 0.0 67.4 101.2#

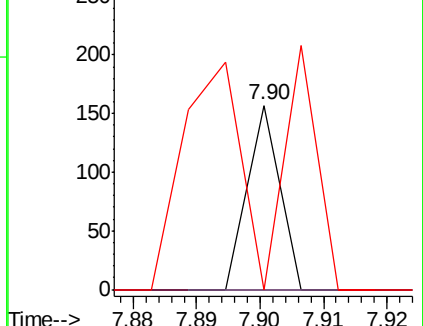
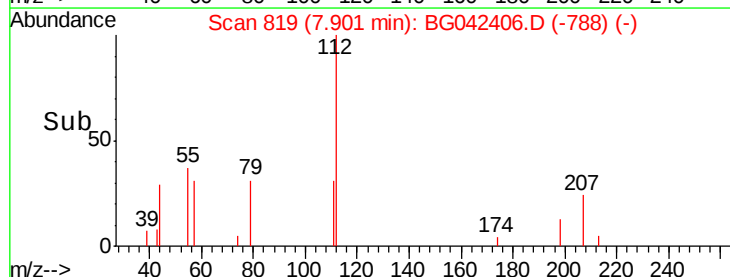
77 0.0 50.8 76.2#

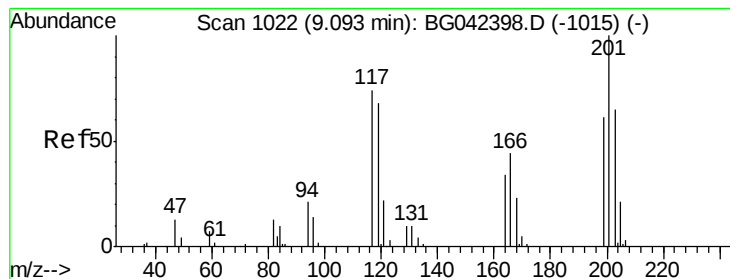


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC





#18

Hexachloroethane

Concen: 29.464 ng

RT: 9.07 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

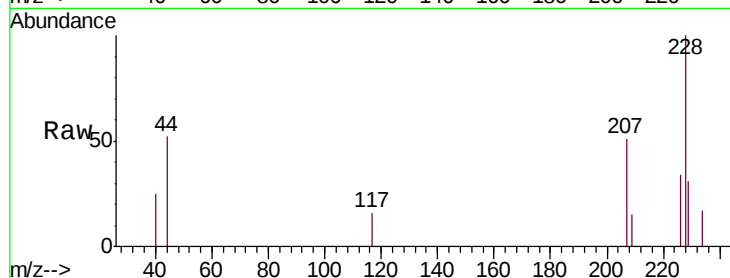
Tot Ion:117 Resp: 56

Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

201 0.0 108.3 162.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

9.07

150

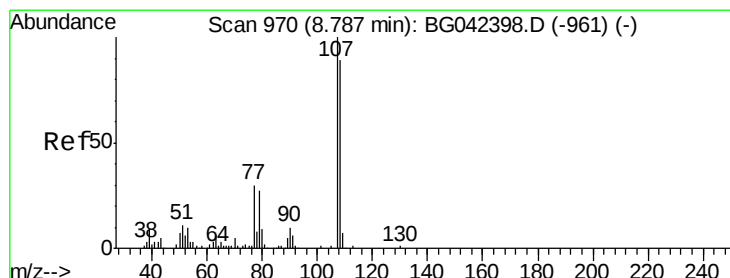
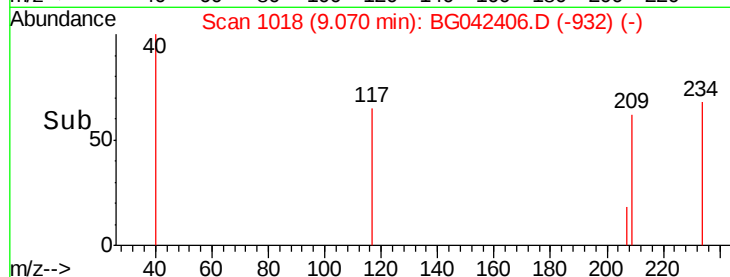
100

50

0

9.05 9.06 9.07 9.08

Time-->



#20

3+4-Methylphenols

Concen: 11.454 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Tgt Ion:107 Resp: 57

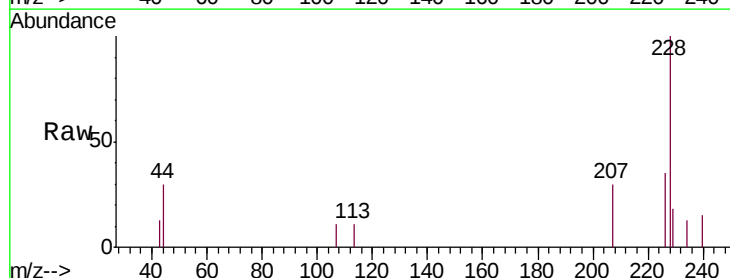
Ion Ratio Lower Upper

107 100

108 0.0 68.7 108.7#

77 0.0 10.2 50.2#

79 0.0 6.9 46.9#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

8.78

150

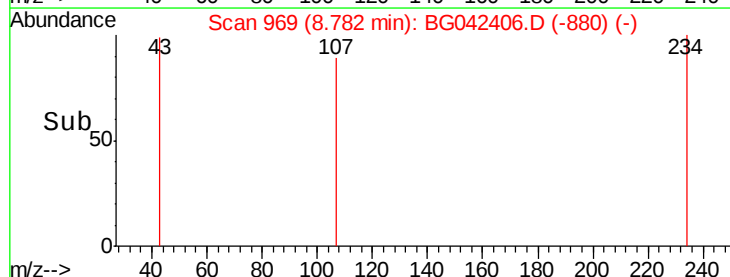
100

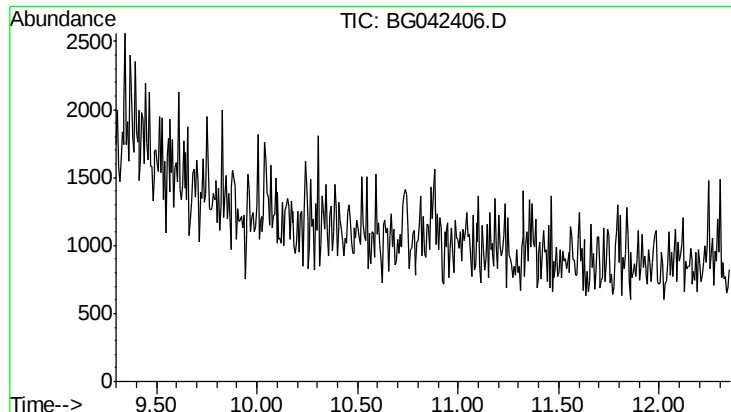
50

0

8.76 8.77 8.78 8.79 8.80

Time-->

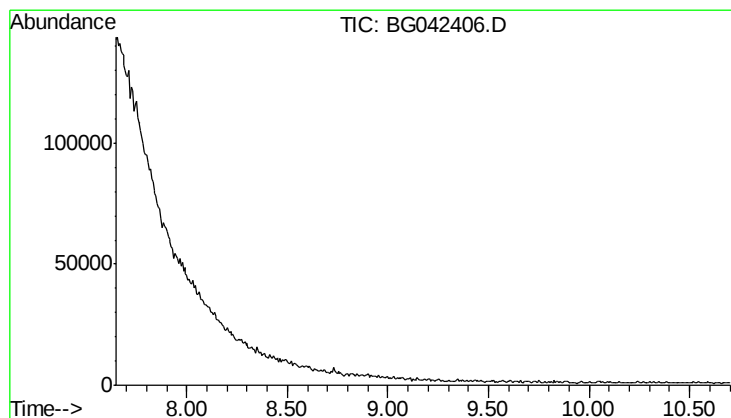
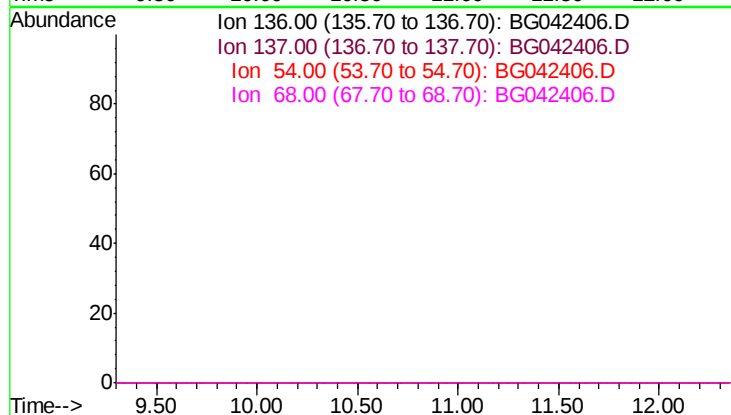




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.83 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

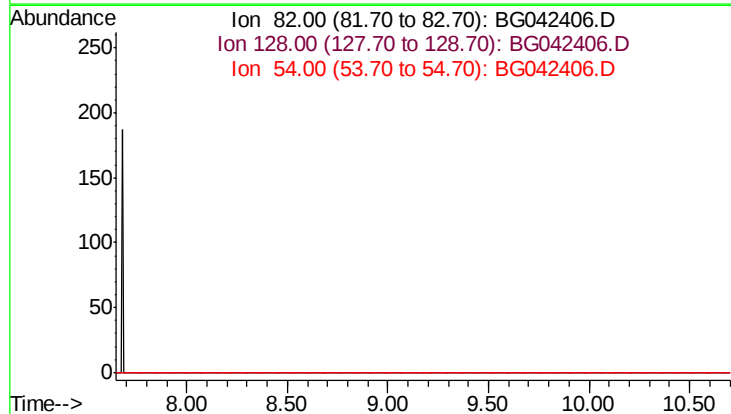
Instrument :
BNA_G
ClientSampleId :
PB122408BS

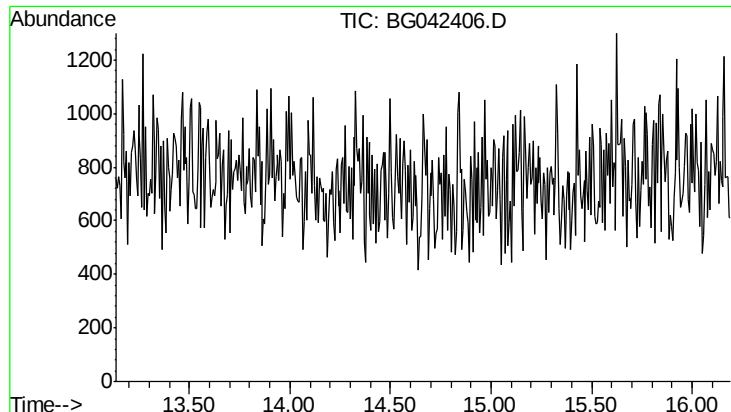
Tot Ion	136
Sig	Exp Ratio
136	100
137	10.9
54	6.1
68	4.5



#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.18 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

Tgt 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: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

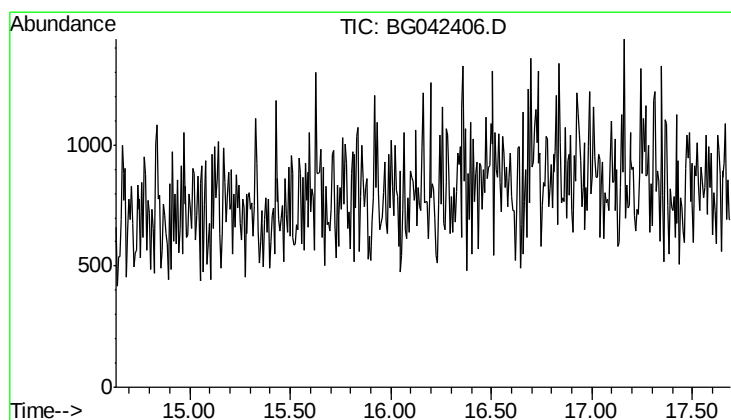
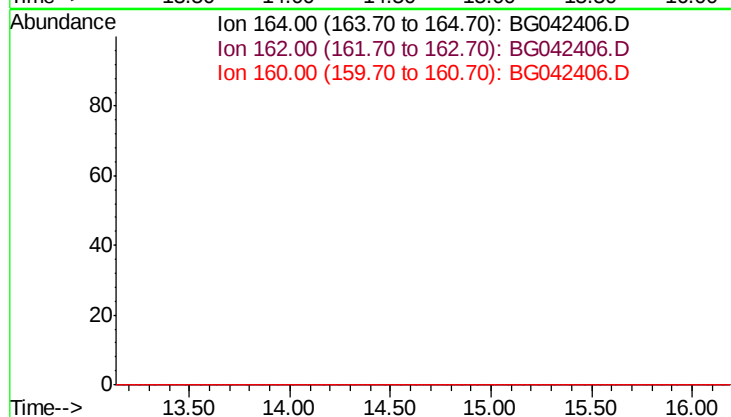
Tot Ion: 164

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: BG042406.D

Acq: 22 Aug 2019 18:16

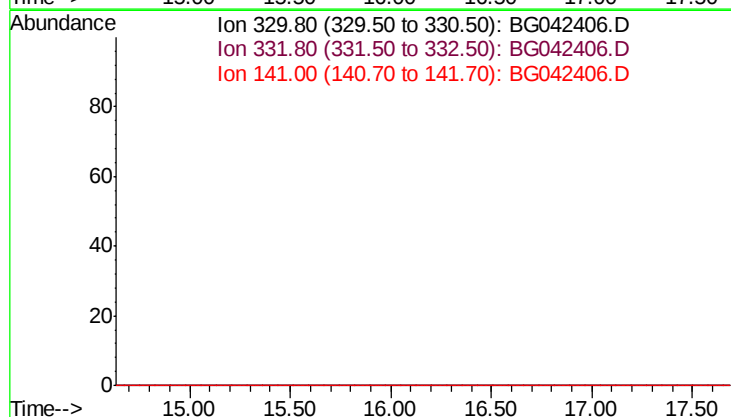
Tgt Ion: 330

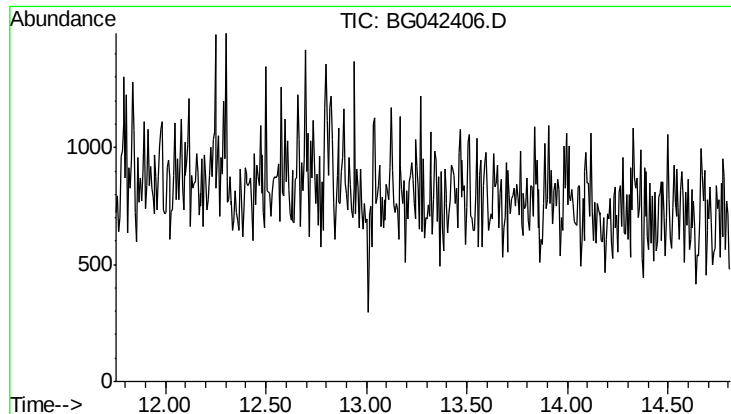
Sig Exp Ratio

330 100

332 96.7

141 26.7

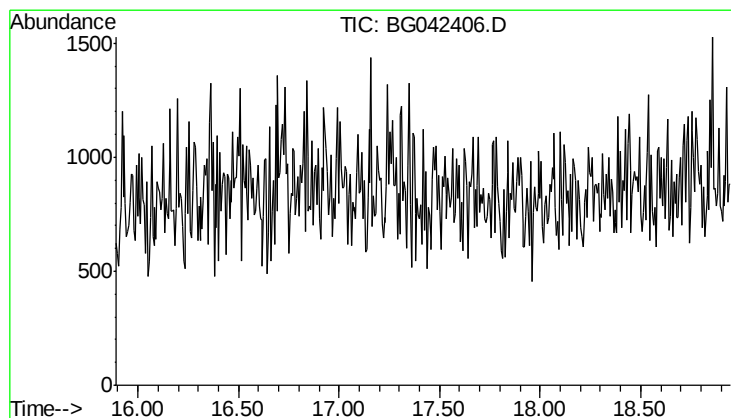
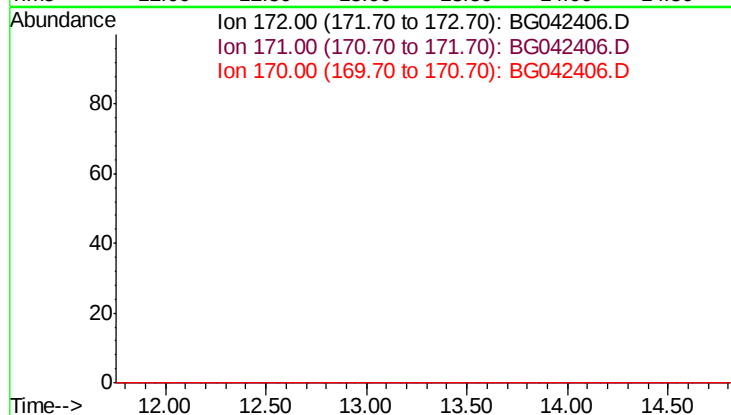




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.28 min
 Lab File: BG042406.D
 Acq: 22 Aug 2019 18:16

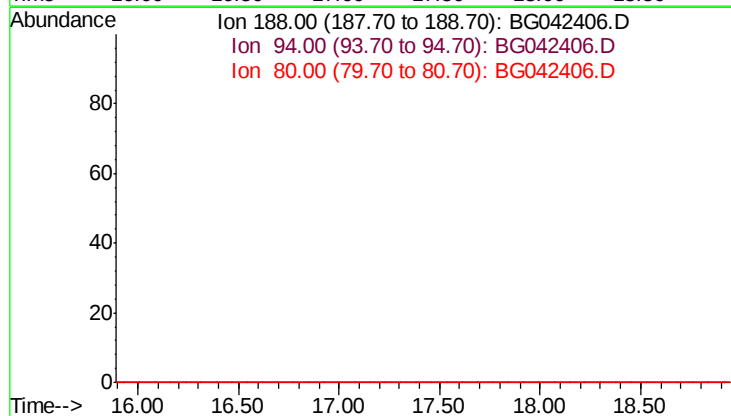
Instrument :
 BNA_G
 ClientSampleId :
 PB122408BS

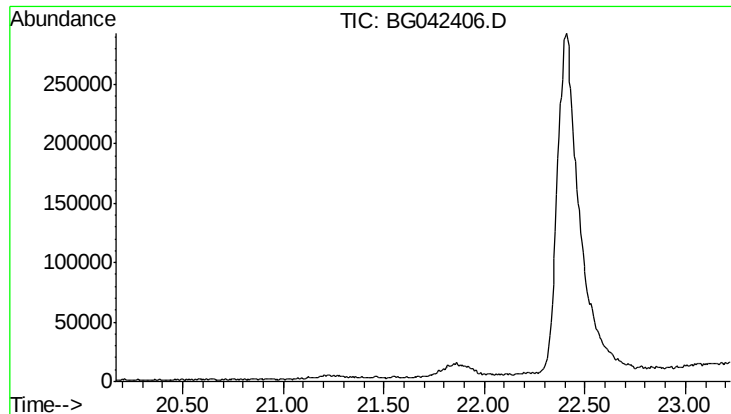
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 38.1
 170 25.2



#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.42 min
 Lab File: BG042406.D
 Acq: 22 Aug 2019 18:16

Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 5.6
 80 6.1





#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.70 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampleId :

PB122408BS

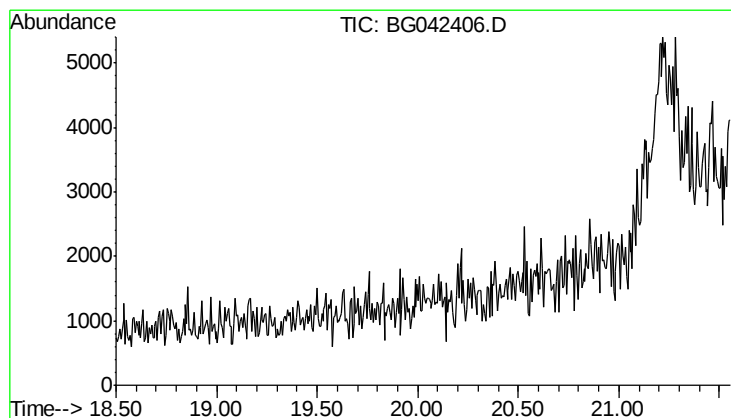
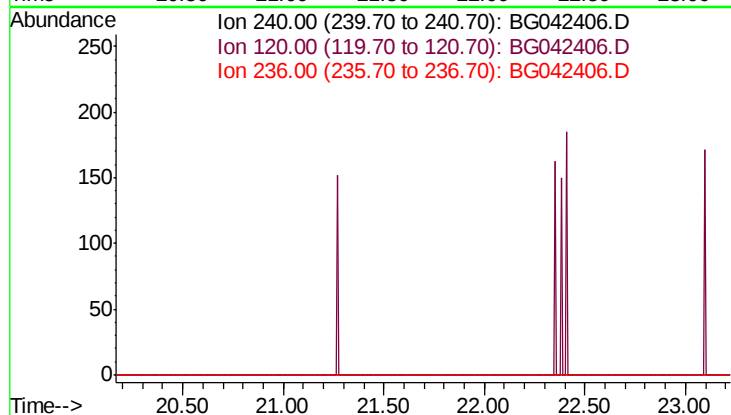
Tot Ion: 240

Sig Exp Ratio

240 100

120 7.1

236 26.2



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 20.03 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

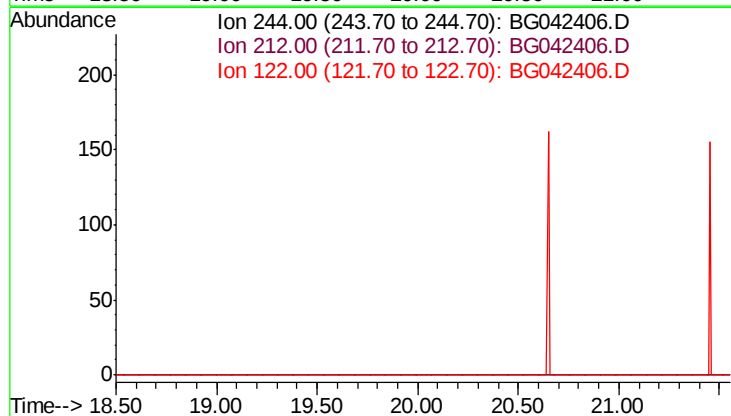
Tgt Ion: 244

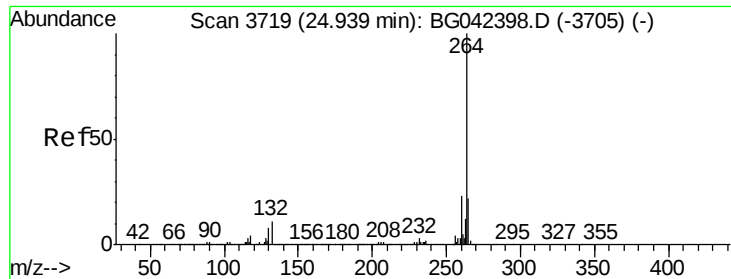
Sig Exp Ratio

244 100

212 7.5

122 8.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.10 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

Instrument :

BNA_G

ClientSampled :

PB122408BS

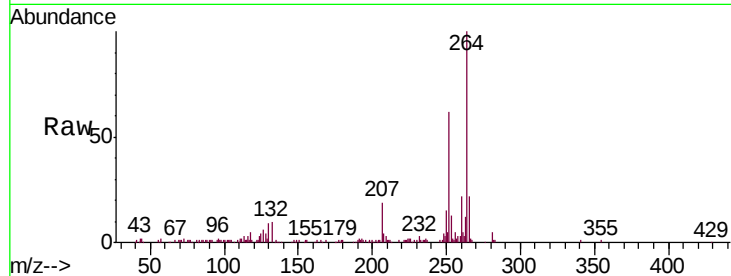
Tot Ion:264 Resp: 414511

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

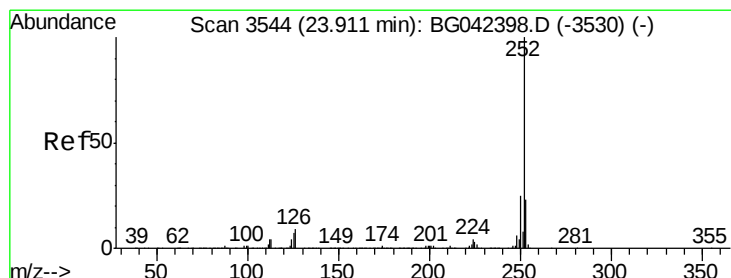
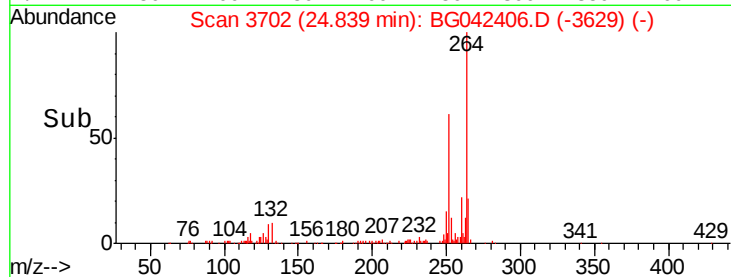
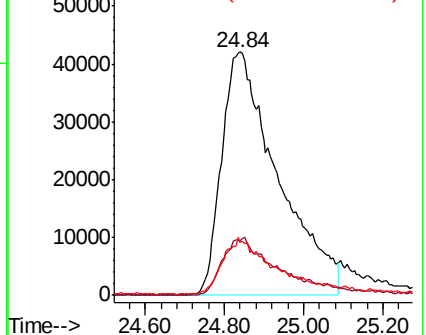
265 21.6 17.6 26.4



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



#88

Benzo(b)fluoranthene

Concen: 23.540 ng

RT: 23.61 min Scan# 3492

Delta R.T. -0.31 min

Lab File: BG042406.D

Acq: 22 Aug 2019 18:16

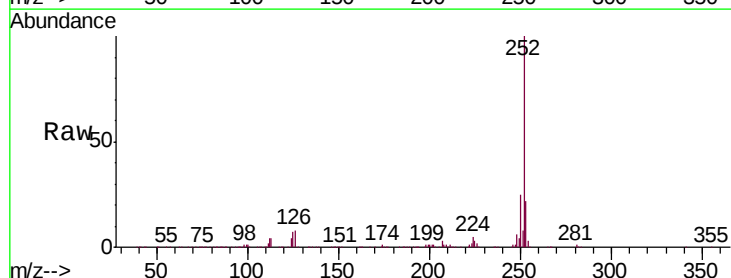
Tgt Ion:252 Resp: 536432

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

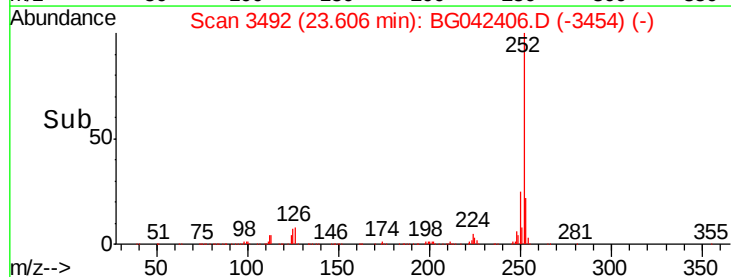
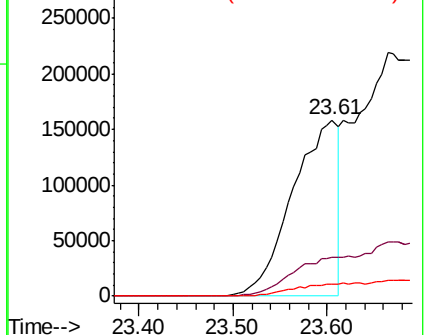
125 6.6 5.6 8.4

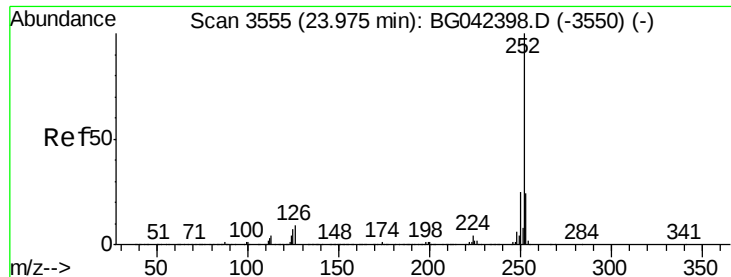


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

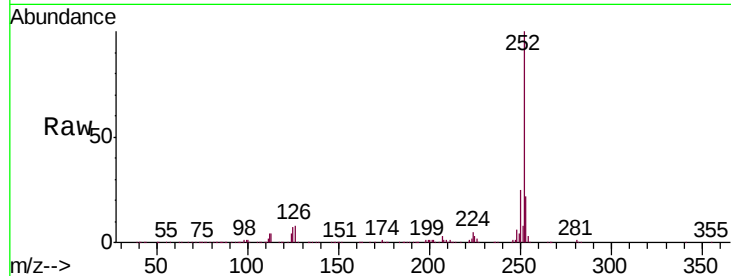




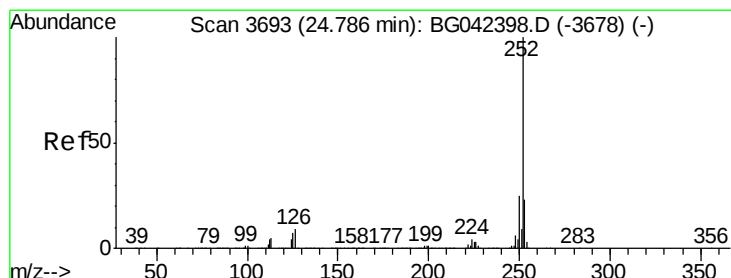
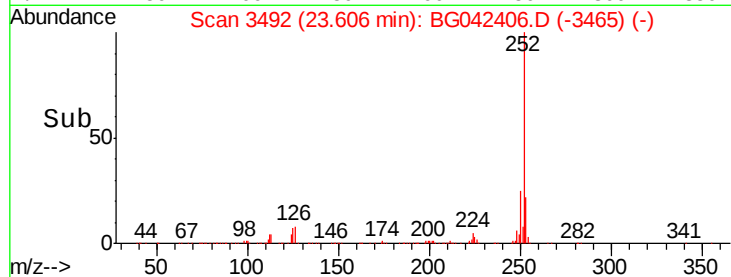
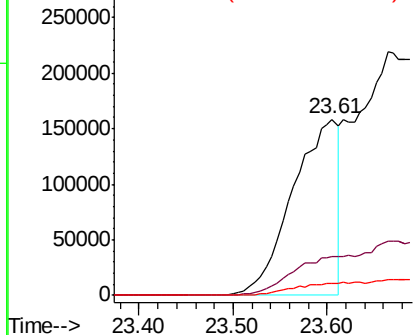
#89
Benzo(k)fluoranthene
Concen: 24.490 ng
RT: 23.61 min Scan# 3492
Delta R.T. -0.37 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

Instrument :
BNA_G
ClientSampleId :
PB122408BS

Tot Ion:252 Resp: 536432
Ion Ratio Lower Upper
252 100
253 22.0 18.6 27.8
125 6.6 5.8 8.6

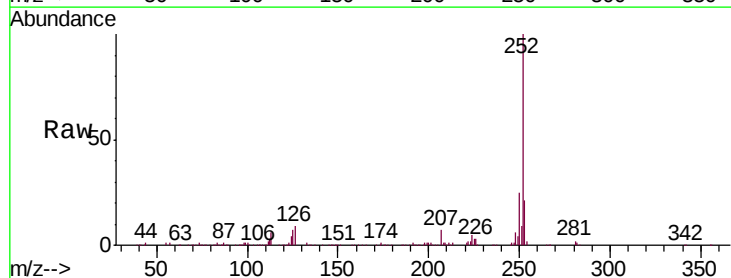


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

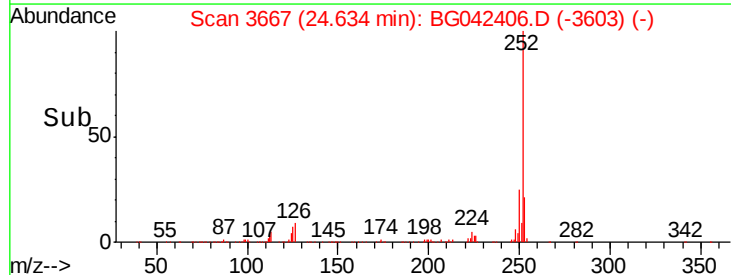
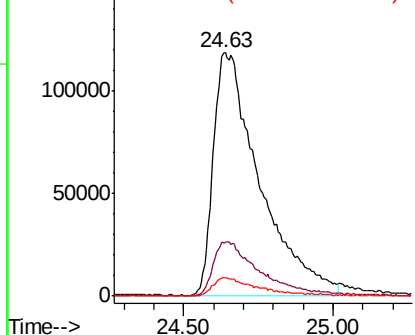


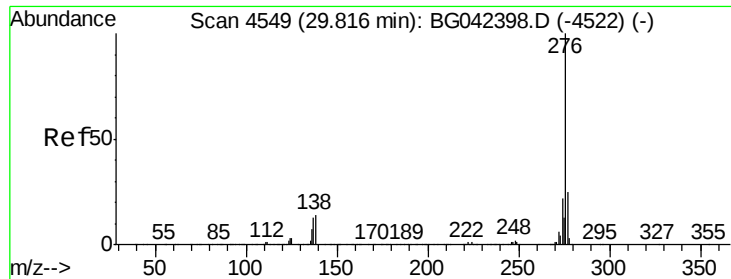
#90
Benzo(a)pyrene
Concen: 58.907 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.15 min
Lab File: BG042406.D
Acq: 22 Aug 2019 18:16

Tgt Ion:252 Resp: 1273819
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 7.4 6.0 9.0



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





#92
 Benzo(a,h,i)perylene
 Concen: 9.703 ng
 RT: 30.17 min Scan# 4609
 Delta R.T. 0.35 min
 Lab File: BG042406.D
 Acq: 22 Aug 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :
 PB122408BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.8	29.8
138	12.9	11.4	17.0

