

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
 Data File : BE098438.D
 Acq On : 14 Dec 2018 16:32
 Operator : SJ/JU
 Sample : PB115633BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115633BS

Quant Time: Dec 14 23:31:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	918	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3837	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	2268	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	5902	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	7954	0.40	ng	0.00
34) Perylene-d12	24.00	264	7451	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	607	0.28	ng	0.01
5) Phenol-d6	7.06	99	761	0.25	ng	0.01
8) Nitrobenzene-d5	9.04	82	745	0.21	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	1478	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	164	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2191	0.23	ng	0.00
25) Fluoranthene-d10	19.30	212	19184	0.25	ng	0.00
29) Terphenyl-d14	19.90	244	3509	0.18	ng	0.00

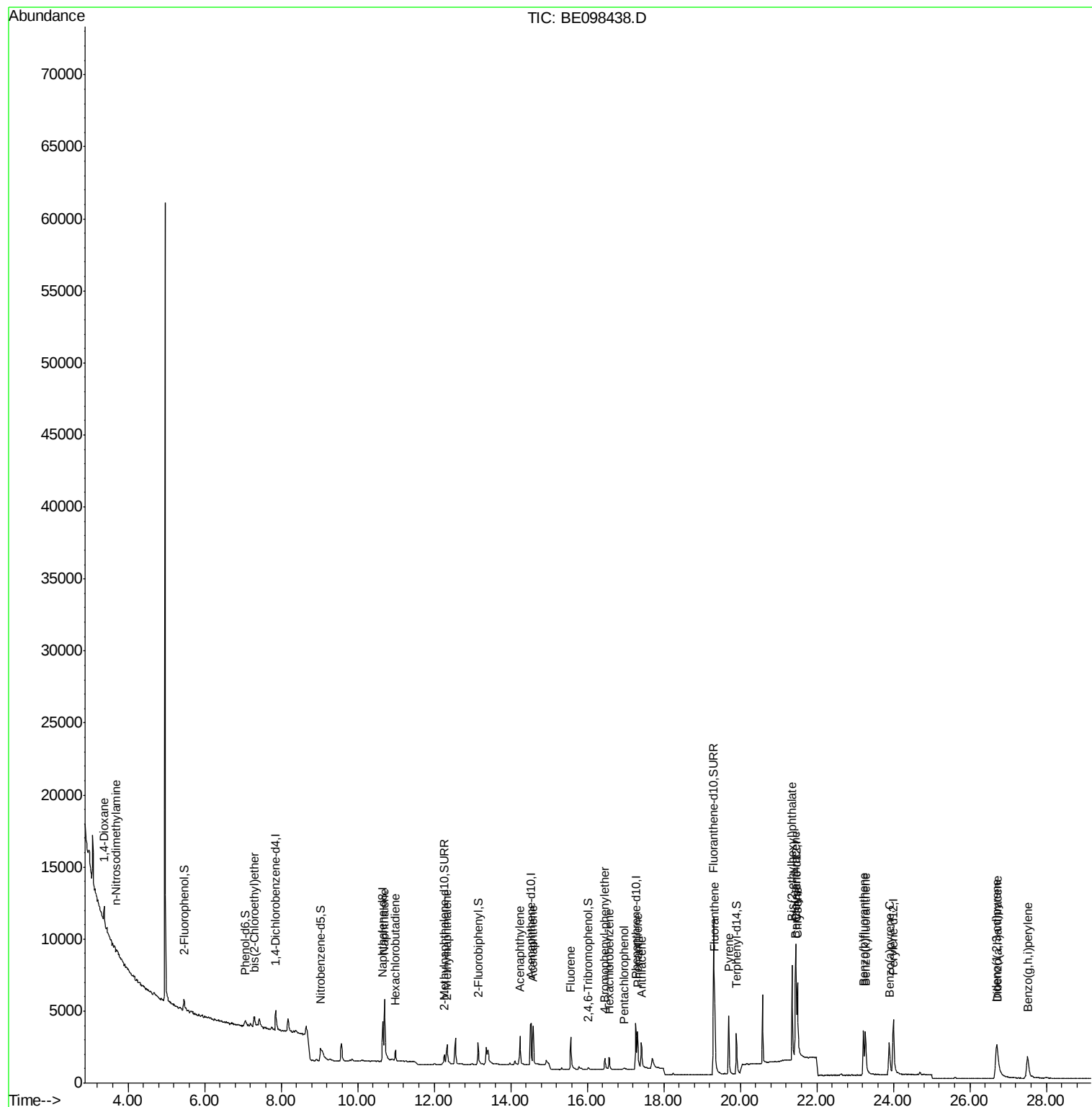
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	594	0.374	ng	# 55
3) n-Nitrosodimethylamine	3.69	42	317	0.222	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	522	0.181	ng	89
9) Naphthalene	10.71	128	8896	0.230	ng	# 97
10) Hexachlorobutadiene	10.99	225	540	0.220	ng	95
12) 2-Methylnaphthalene	12.34	142	1354	0.216	ng	97
16) Acenaphthylene	14.24	152	2502	0.235	ng	99
17) Acenaphthene	14.59	154	1365	0.214	ng	94
18) Fluorene	15.57	166	1856	0.217	ng	97
20) 4-Bromophenyl-phenylether	16.46	248	580	0.183	ng	90
21) Hexachlorobenzene	16.58	284	759	0.222	ng	98
22) Pentachlorophenol	16.95	266	69	0.146	ng	# 77
23) Phenanthrene	17.32	178	3247	0.226	ng	99
24) Anthracene	17.41	178	2584	0.202	ng	99
26) Fluoranthene	19.34	202	4797	0.253	ng	98
28) Pyrene	19.70	202	4832	0.194	ng	100
30) Benzo(a)anthracene	21.44	228	5077	0.224	ng	99
31) Chrysene	21.50	228	5304	0.224	ng	100
32) Bis(2-ethylhexyl)phthalate	21.35	149	7795	0.169	ng	100
33) Indeno(1,2,3-cd)pyrene	26.69	276	5258	0.223	ng	# 86
35) Benzo(b)fluoranthene	23.22	252	4761	0.234	ng	96
36) Benzo(k)fluoranthene	23.27	252	5401	0.228	ng	97
37) Benzo(a)pyrene	23.89	252	4897	0.233	ng	# 95
38) Dibenzo(a,h)anthracene	26.72	278	4197	0.212	ng	# 93
39) Benzo(g,h,i)perylene	27.50	276	4385	0.220	ng	97

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

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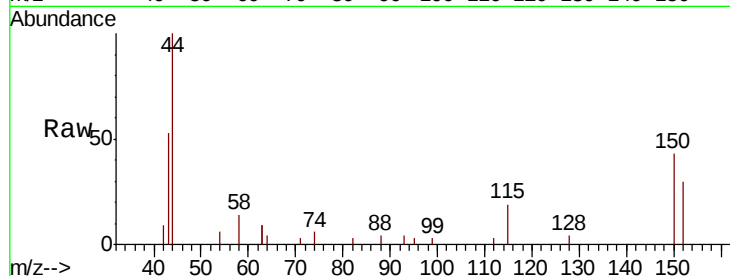


#1

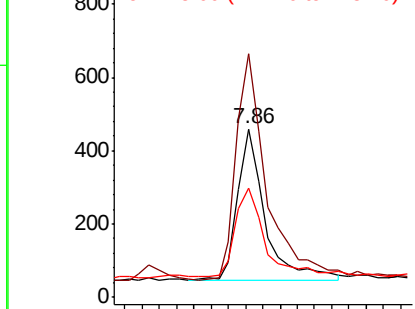
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_G
ClientSampleId :
PB115633BS

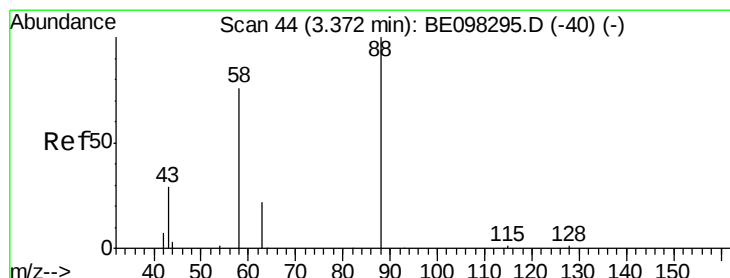
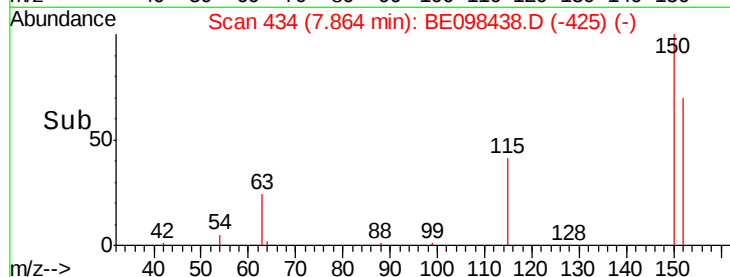
Tgt Ion:152 Resp: 918
Ion Ratio Lower Upper
152 100
150 144.3 124.2 186.4
115 64.6 53.9 80.9



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



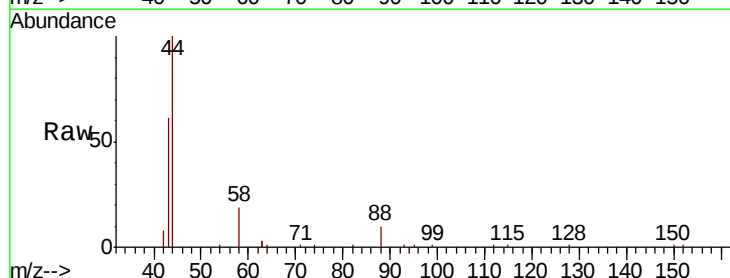
Time-->



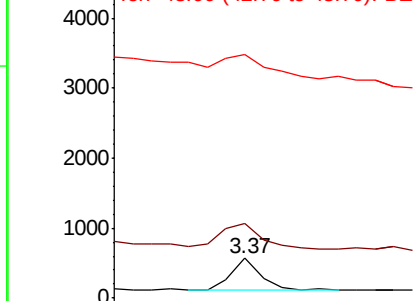
#2

1,4-Dioxane
Concen: 0.374 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

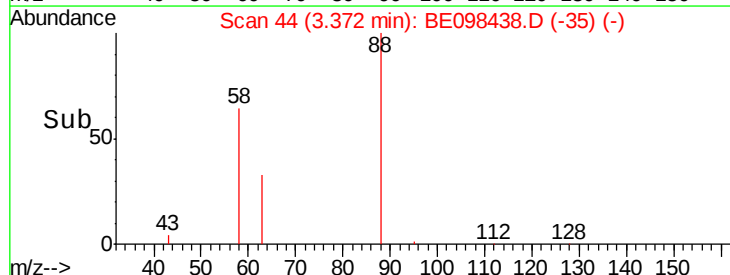
Tgt Ion: 88 Resp: 594
Ion Ratio Lower Upper
88 100
58 114.0 75.0 112.6#
43 109.4 38.3 57.5#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.222 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

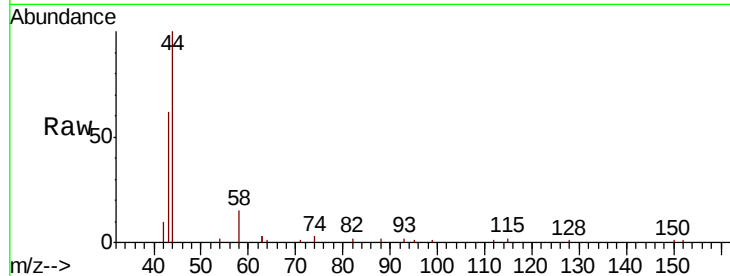
Tgt Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

74 77.3 0.0 0.0#

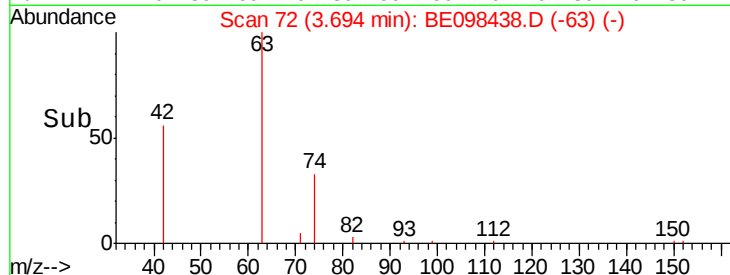
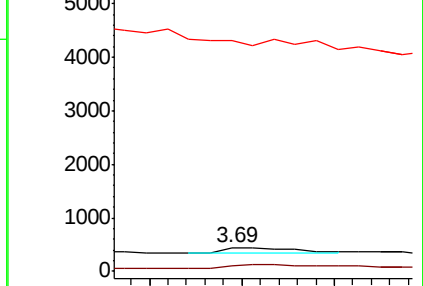
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.283 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

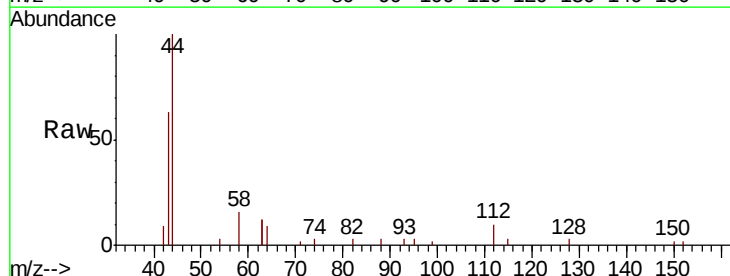
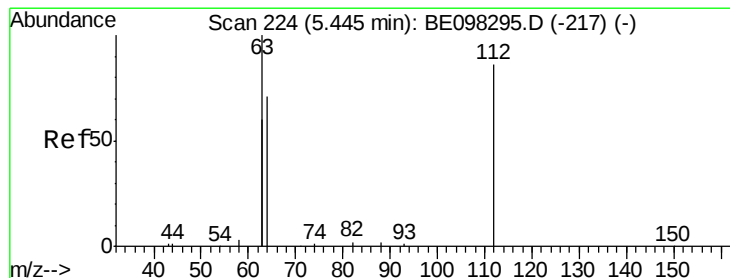
Tgt Ion: 112 Resp: 607

Ion Ratio Lower Upper

112 100

64 77.9 59.8 89.8

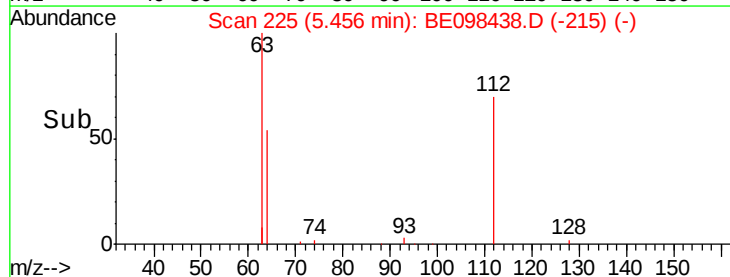
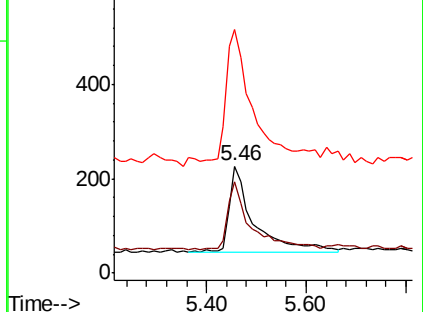
63 157.8 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.250 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

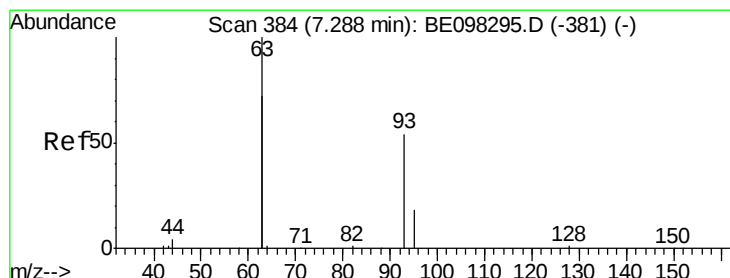
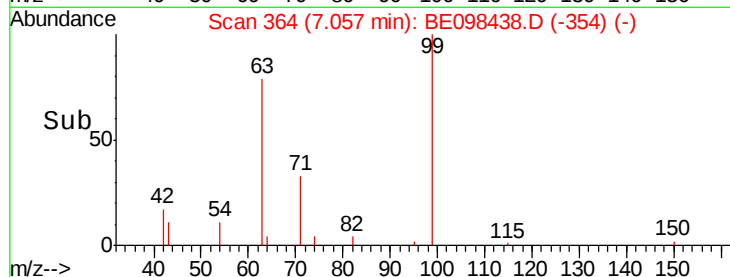
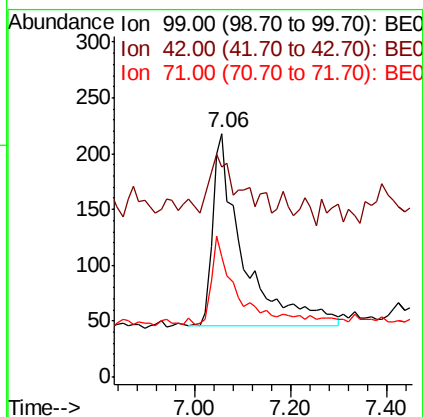
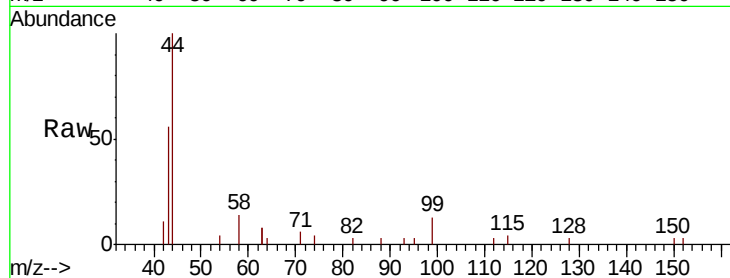
Tgt Ion: 99 Resp: 761

Ion Ratio Lower Upper

99 100

42 25.0 26.3 39.5#

71 34.6 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.181 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

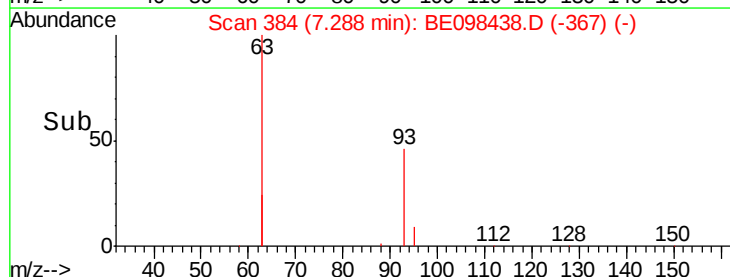
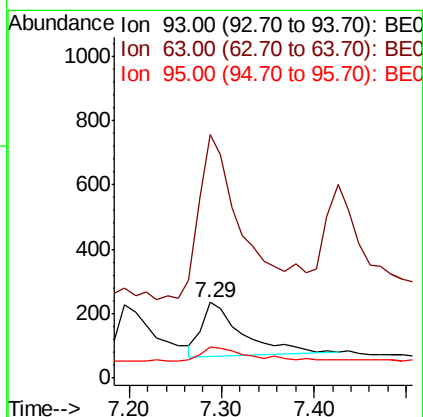
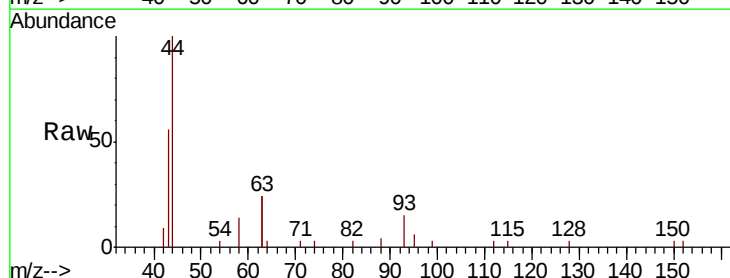
Tgt Ion: 93 Resp: 522

Ion Ratio Lower Upper

93 100

63 306.1 264.4 396.6

95 34.3 26.6 40.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

Tgt Ion:136 Resp: 3837

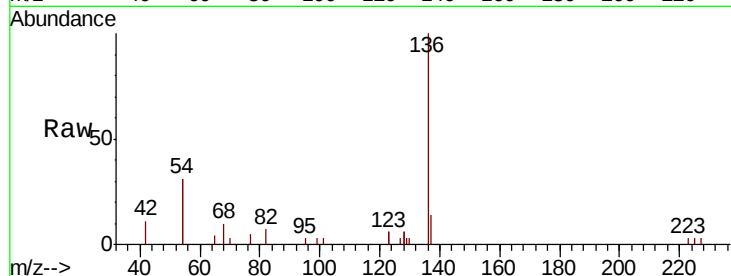
Ion Ratio Lower Upper

136 100

137 13.7 9.2 13.8

54 62.3 28.4 42.6#

68 9.8 5.4 8.0#

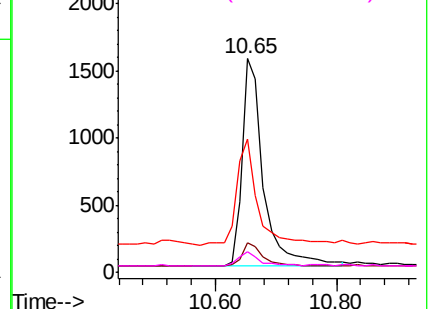
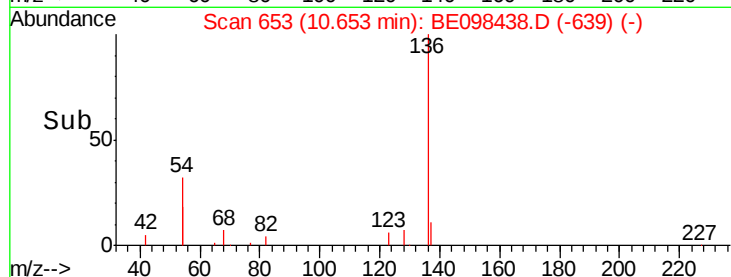


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.213 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

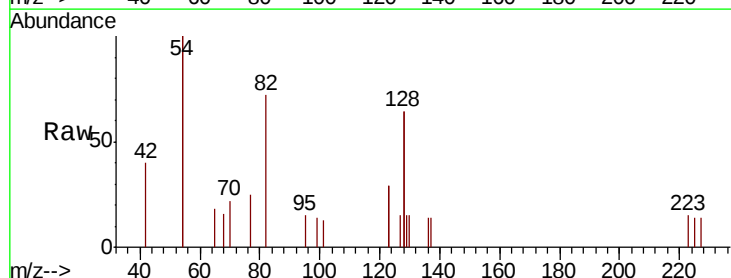
Tgt Ion: 82 Resp: 745

Ion Ratio Lower Upper

82 100

128 177.3 102.4 153.6#

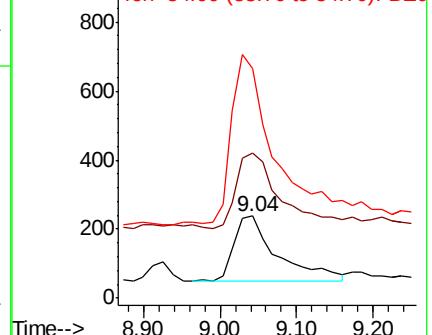
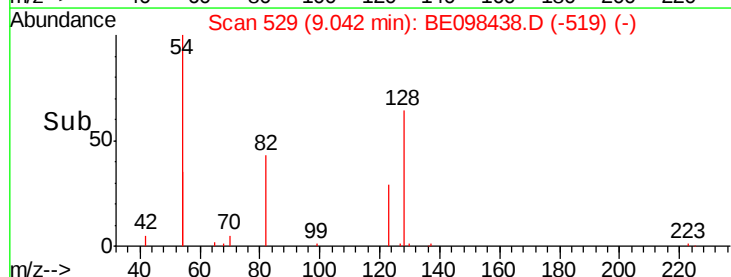
54 279.0 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.230 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

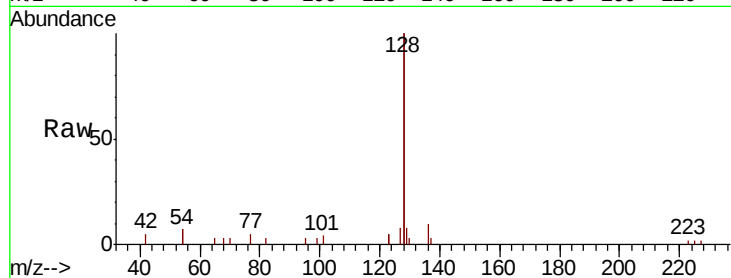
Tgt Ion:128 Resp: 8896

Ion Ratio Lower Upper

128 100

129 4.1 2.5 3.7#

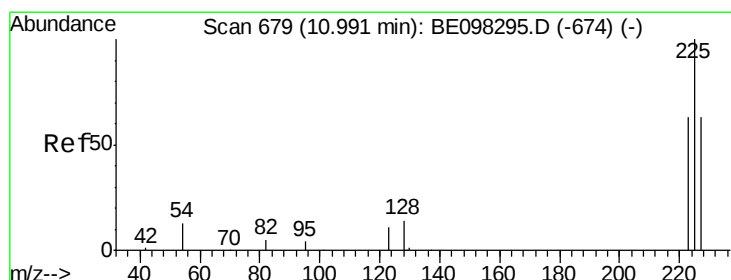
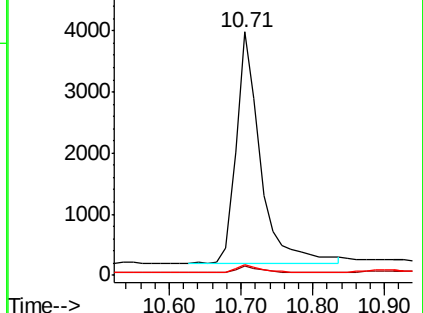
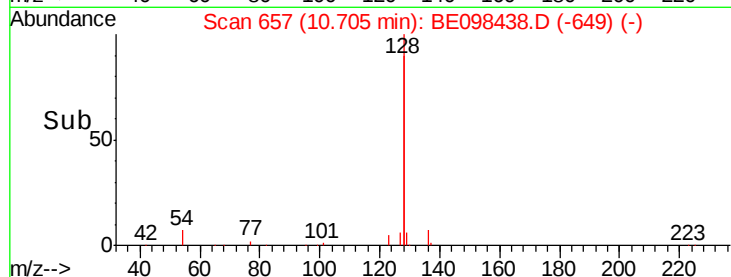
127 4.2 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.220 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

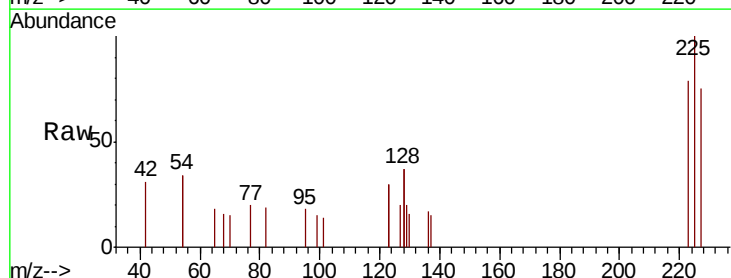
Tgt Ion:225 Resp: 540

Ion Ratio Lower Upper

225 100

223 67.8 49.4 74.0

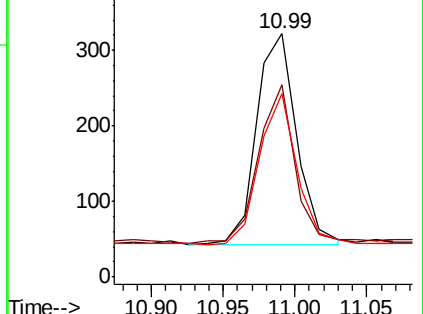
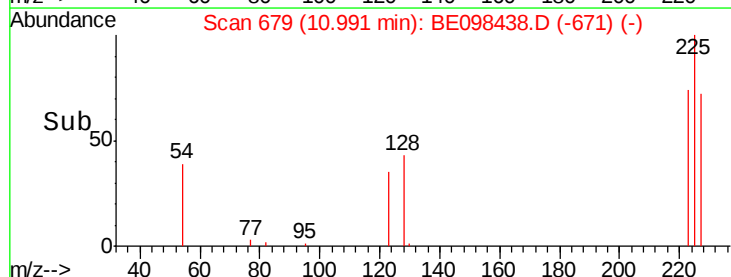
227 67.0 52.0 78.0

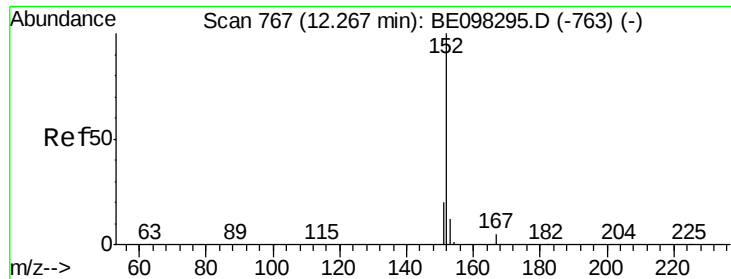


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

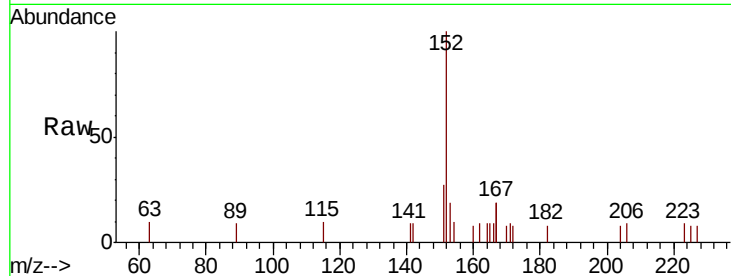




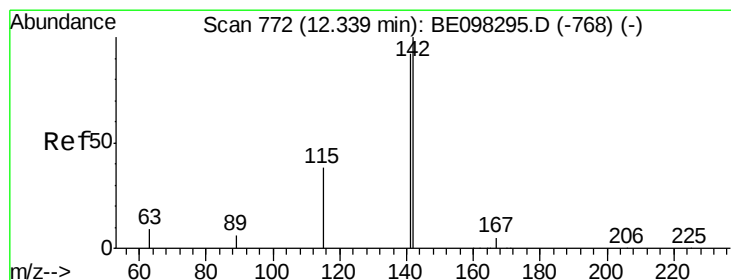
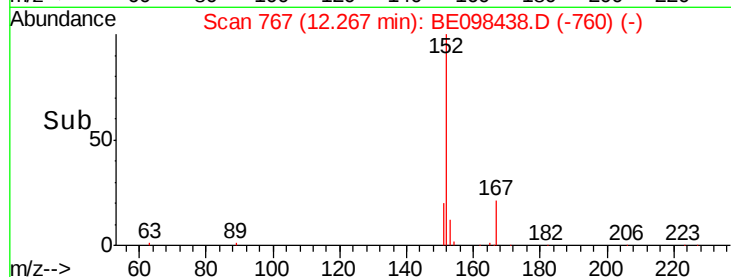
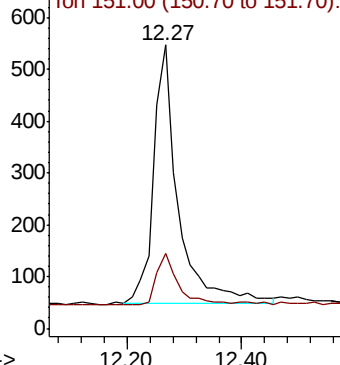
#11
 2-Methylnaphthalene-d10
 Concen: 0.237 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Instrument :
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 PB115633BS

Tgt Ion:152 Resp: 1478
 Ion Ratio Lower Upper
 152 100
 151 16.6 16.2 24.4

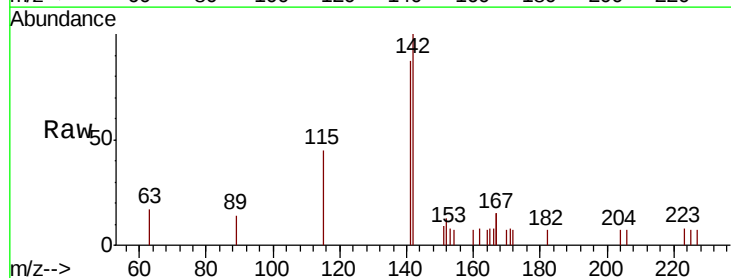


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

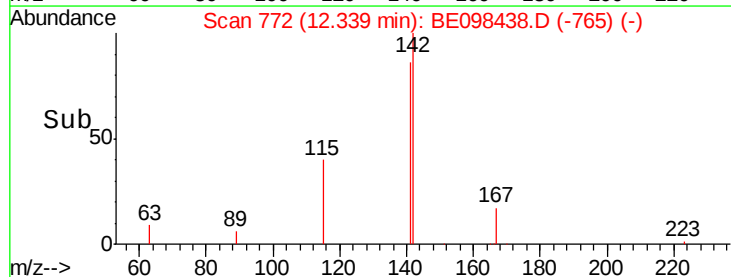
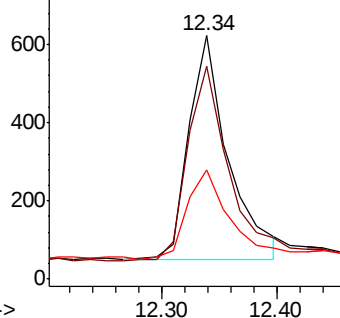


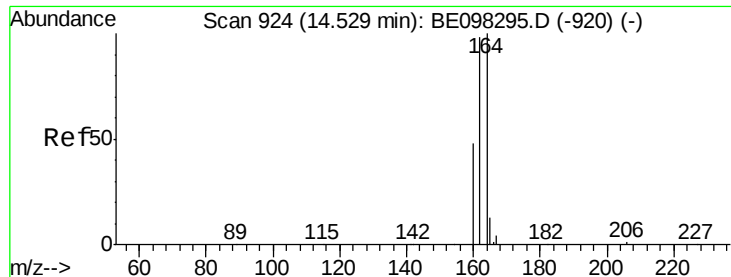
#12
 2-Methylnaphthalene
 Concen: 0.216 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Tgt Ion:142 Resp: 1354
 Ion Ratio Lower Upper
 142 100
 141 87.2 71.0 106.6
 115 44.6 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

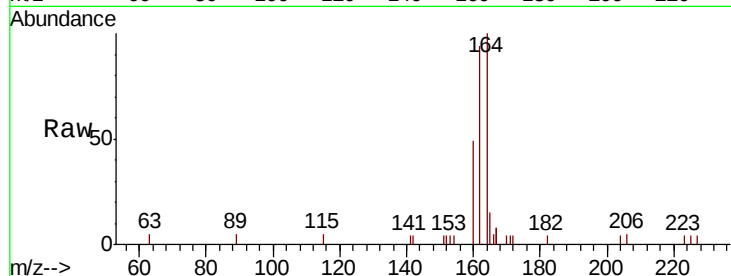




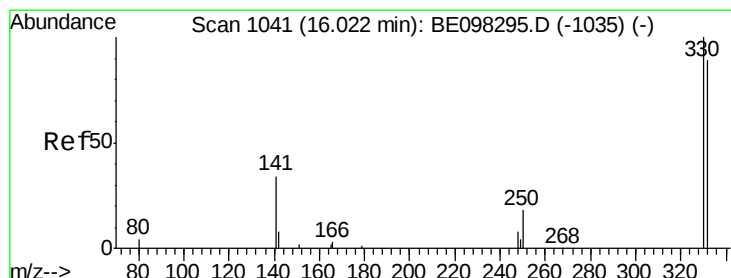
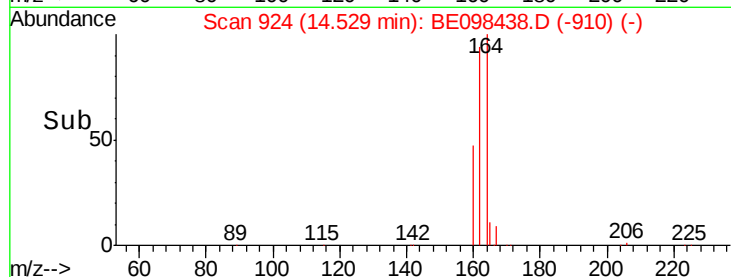
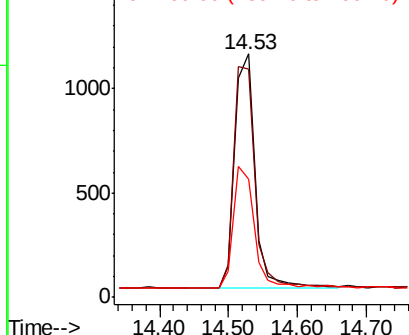
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Instrument :
 BNA_G
 ClientSampleId :
 PB115633BS

Tgt Ion:164 Resp: 2268
 Ion Ratio Lower Upper
 164 100
 162 93.8 77.6 116.4
 160 48.6 36.0 54.0

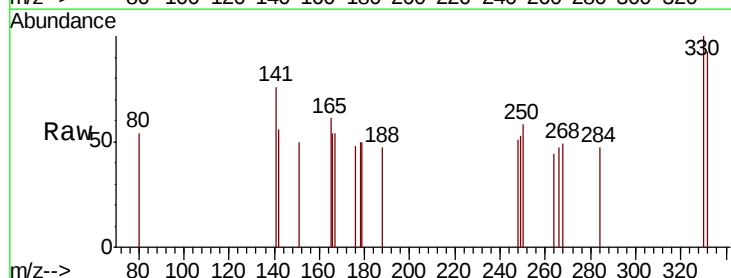


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

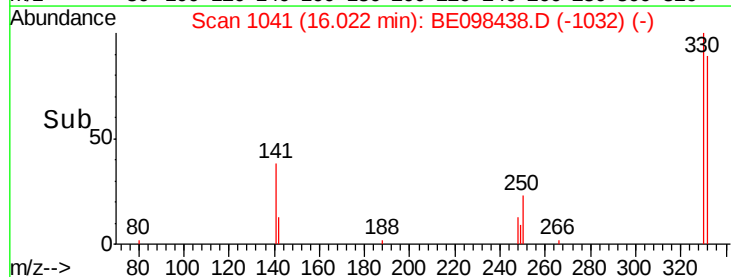
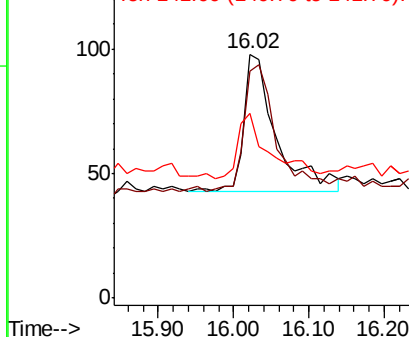


#14
 2,4,6-Tribromophenol
 Concen: 0.197 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Tgt Ion:330 Resp: 164
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.2 114.4
 141 47.0 39.0 58.4



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

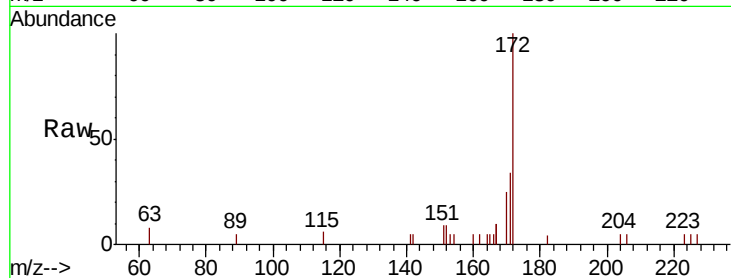




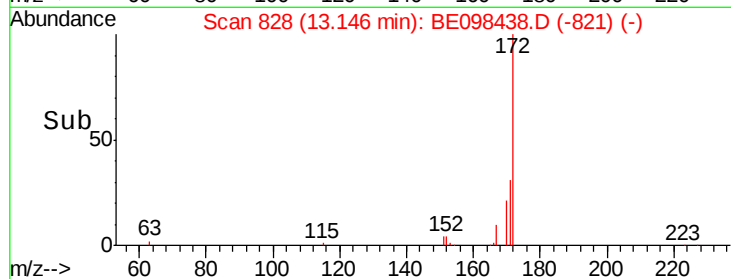
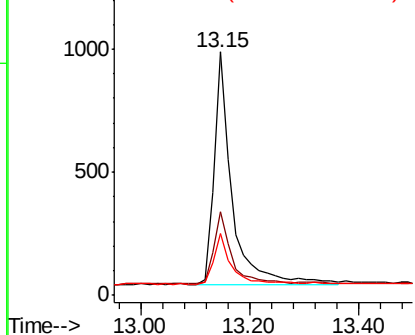
#15
2-Fluorobiphenyl
Concen: 0.229 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_G
ClientSampleId :
PB115633BS

Tgt Ion:172 Resp: 2191
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 25.2 19.6 29.4

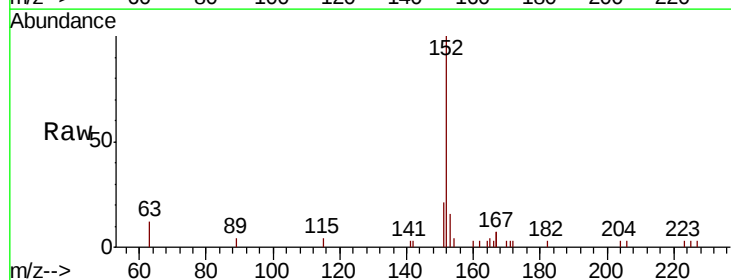


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

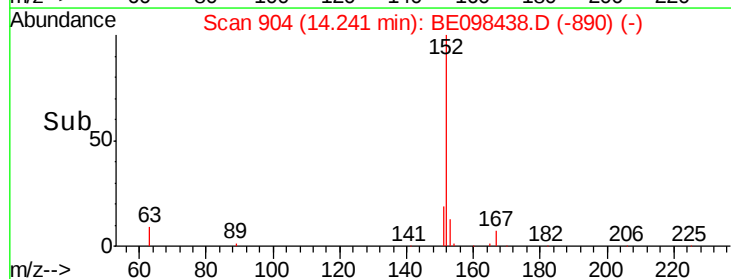
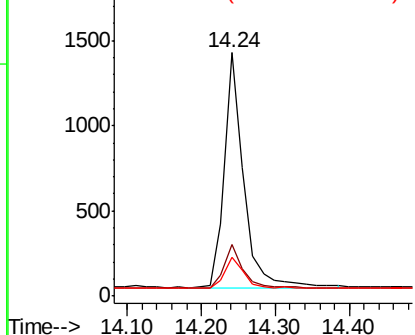


#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Tgt Ion:152 Resp: 2502
Ion Ratio Lower Upper
152 100
151 18.6 15.5 23.3
153 13.5 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.214 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

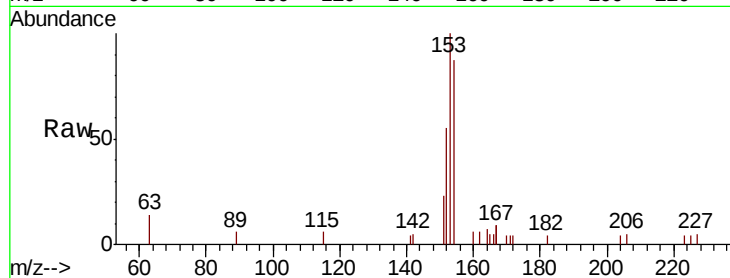
Tgt Ion:154 Resp: 1365

Ion Ratio Lower Upper

154 100

153 119.4 91.8 137.6

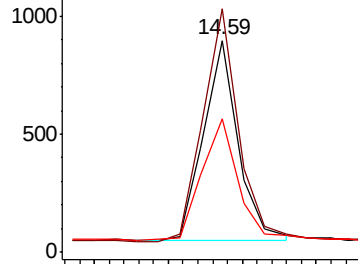
152 63.6 45.5 68.3



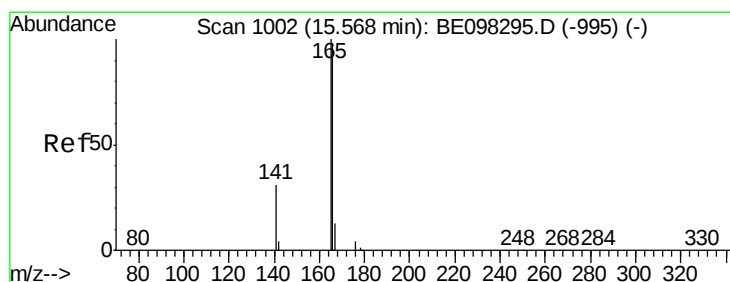
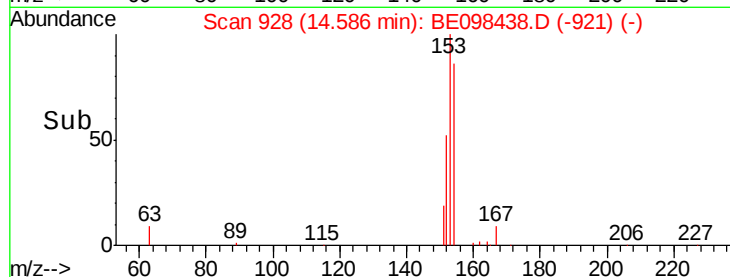
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.217 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

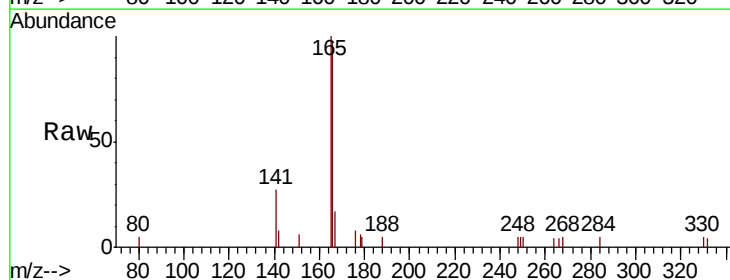
Tgt Ion:166 Resp: 1856

Ion Ratio Lower Upper

166 100

165 102.0 79.3 118.9

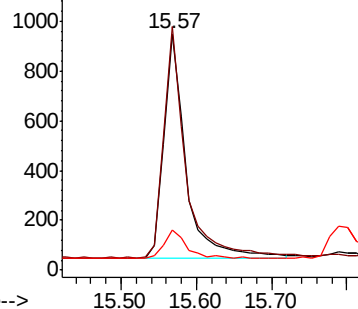
167 13.1 11.3 16.9



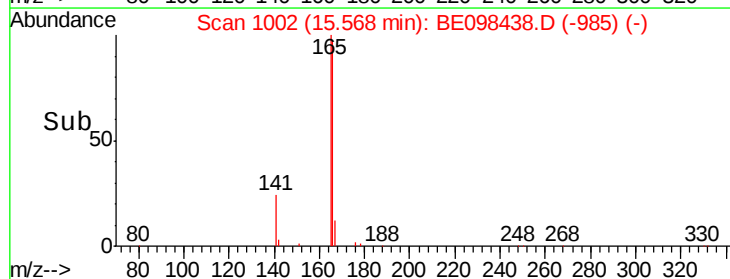
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

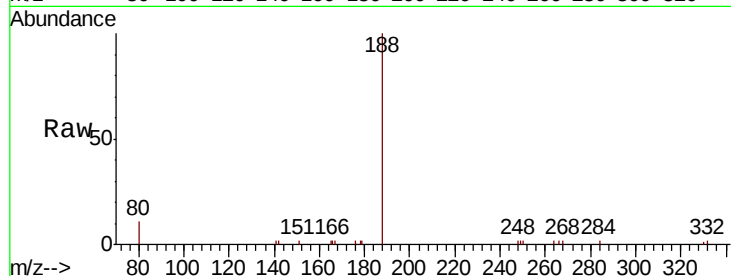
Tgt Ion:188 Resp: 5902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

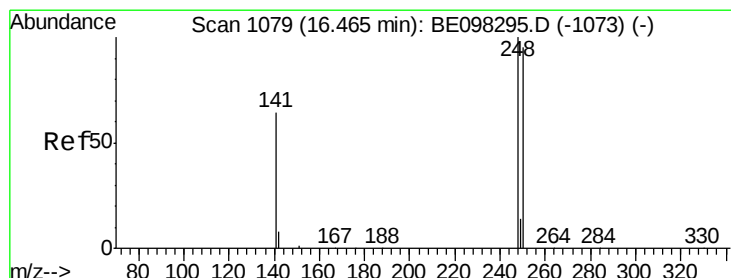
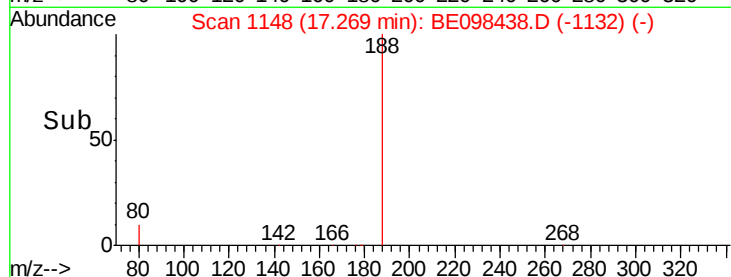
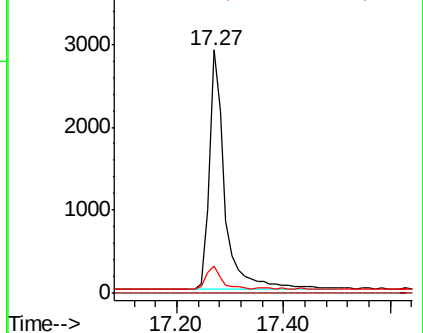
80 11.3 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.183 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

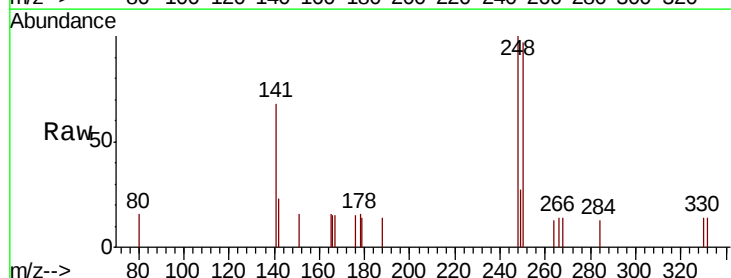
Tgt Ion:248 Resp: 580

Ion Ratio Lower Upper

248 100

250 96.7 71.0 106.6

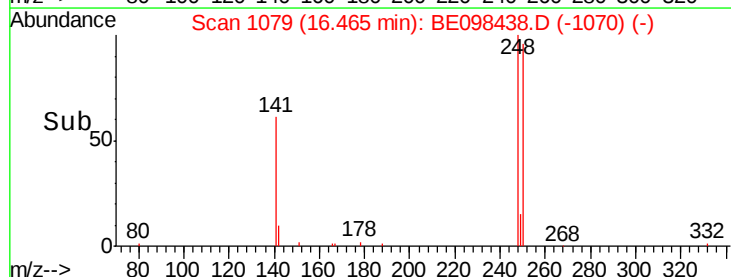
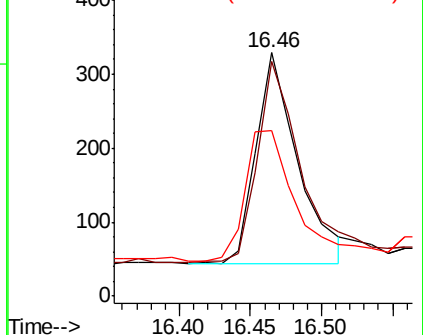
141 68.1 62.1 93.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

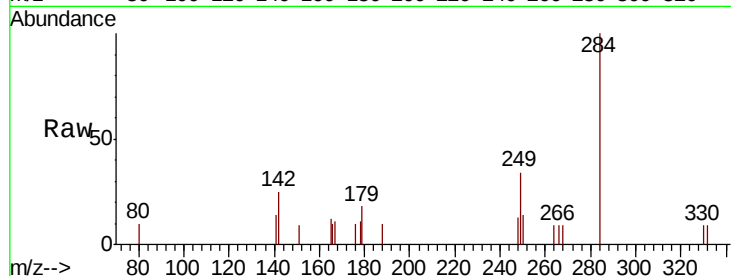




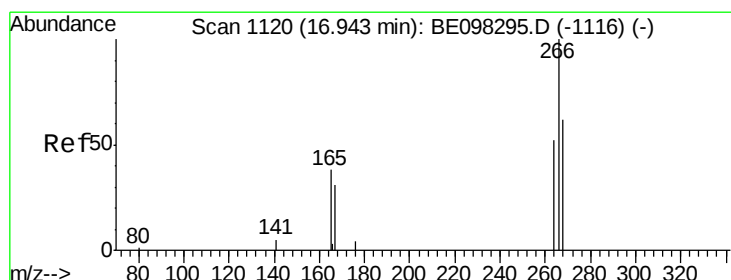
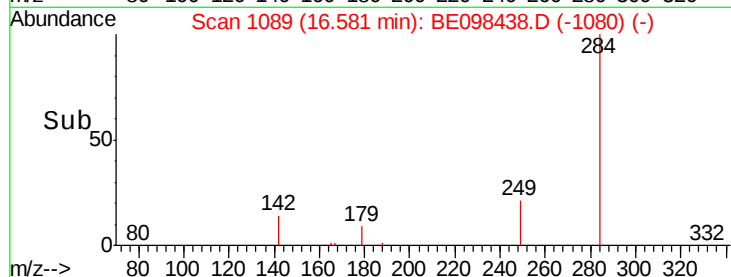
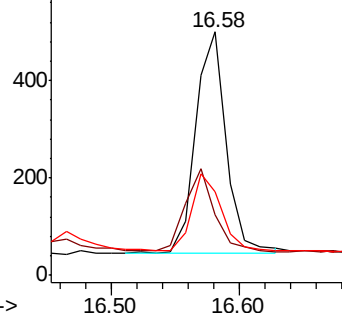
#21
Hexachlorobenzene
Concen: 0.222 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_G
ClientSampleId :
PB115633BS

Tgt Ion: 284 Resp: 759
Ion Ratio Lower Upper
284 100
142 35.4 26.3 39.5
249 32.3 26.0 39.0

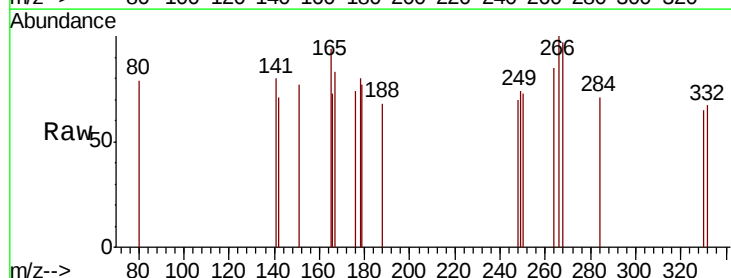


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

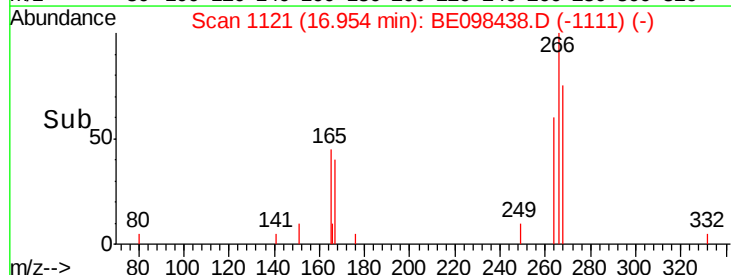
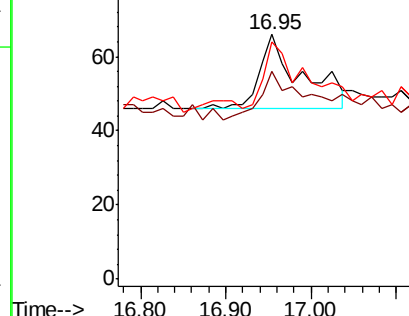


#22
Pentachlorophenol
Concen: 0.146 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Tgt Ion: 266 Resp: 69
Ion Ratio Lower Upper
266 100
264 84.8 59.0 88.4
268 97.0 55.1 82.7#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.226 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

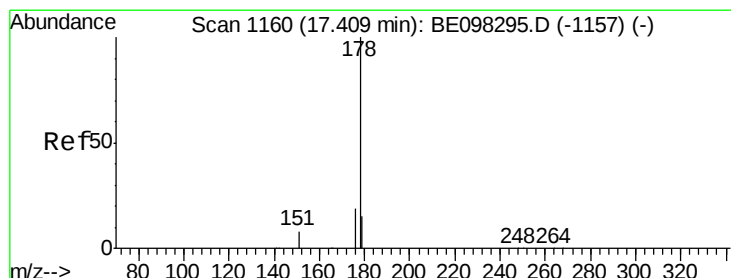
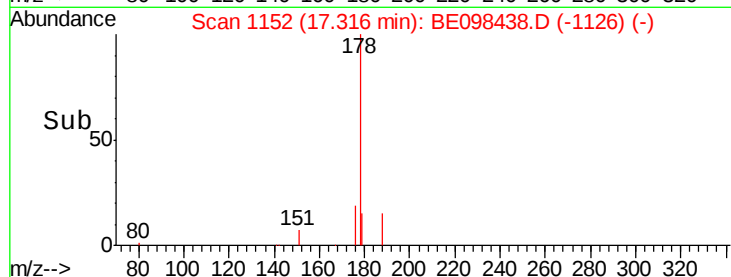
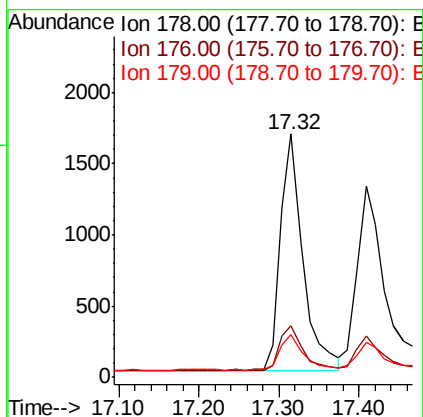
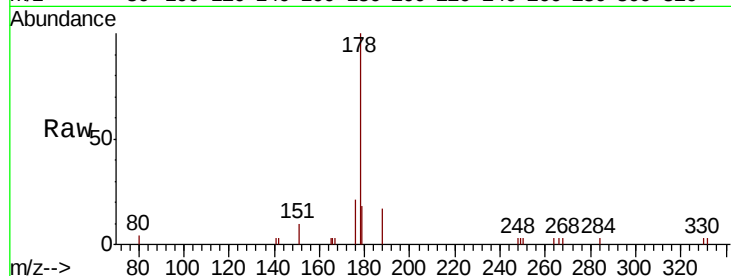
Instrument :

BNA_G

ClientSampleId :

PB115633BS

Tgt Ion:	178	Resp:	3247
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	16.2	12.3	18.5



#24

Anthracene

Concen: 0.202 ng

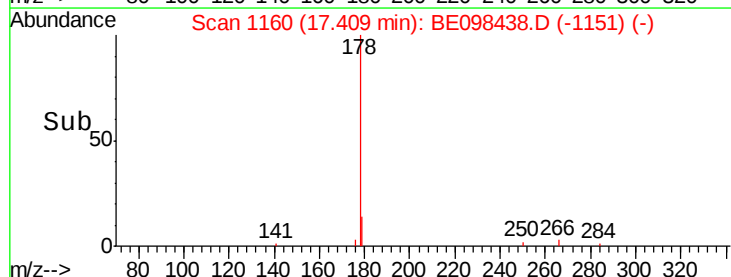
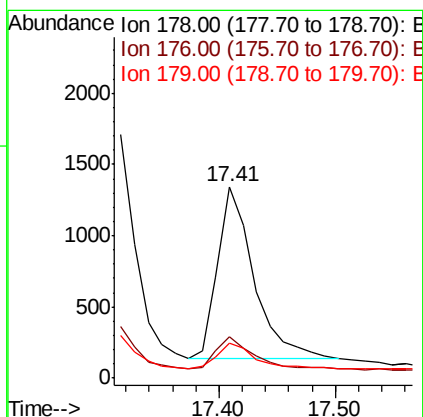
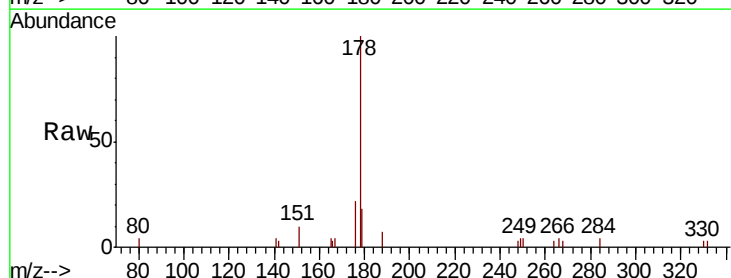
RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Tgt Ion:	178	Resp:	2584
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	16.4	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.253 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

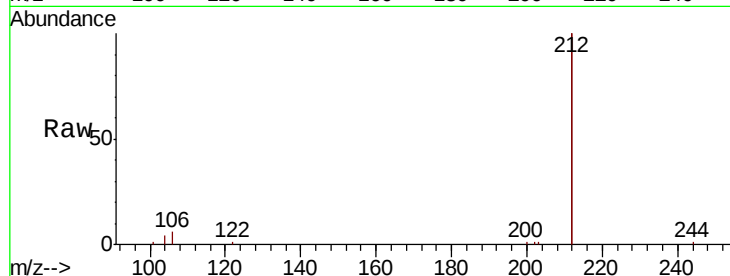
Tgt Ion:212 Resp: 19184

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

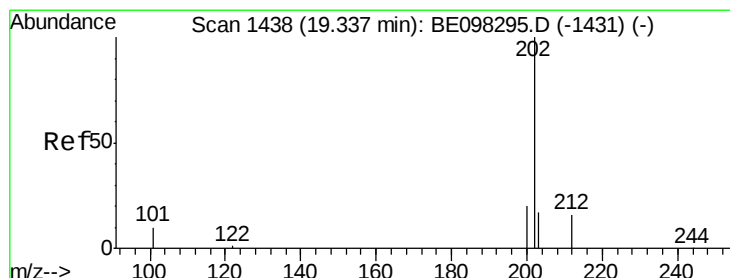
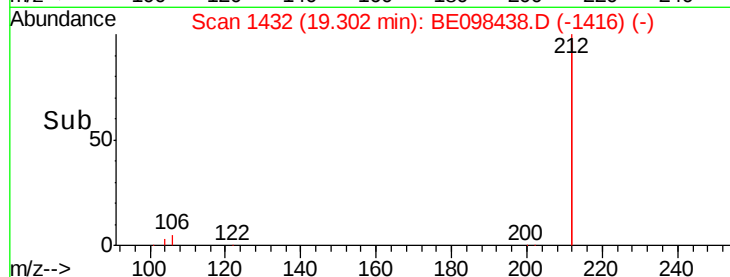
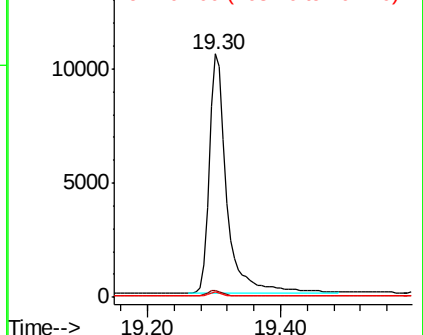
104 1.4 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.253 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

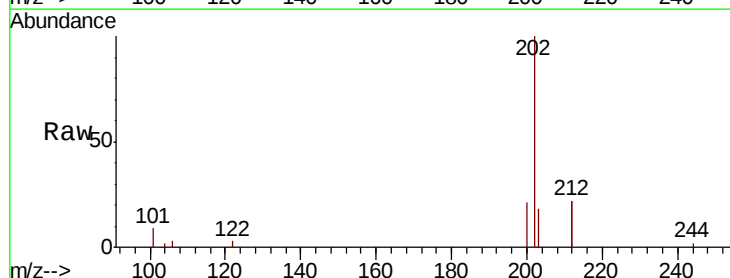
Tgt Ion:202 Resp: 4797

Ion Ratio Lower Upper

202 100

101 8.8 8.0 12.0

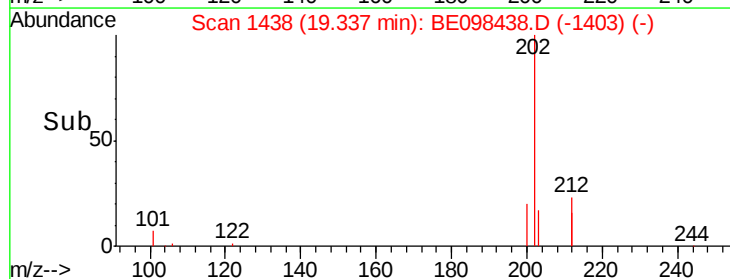
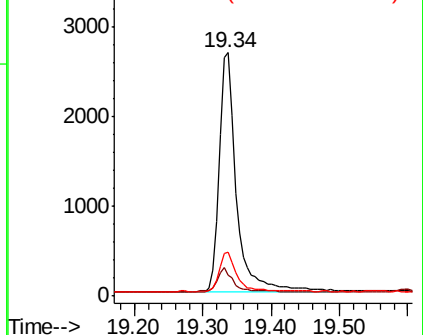
203 16.7 13.8 20.6



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

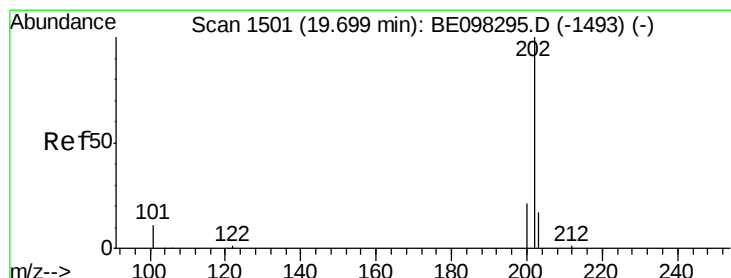
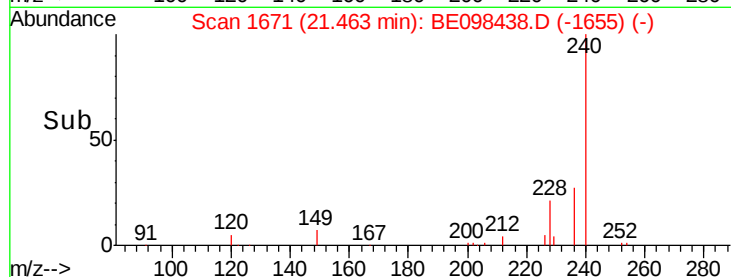
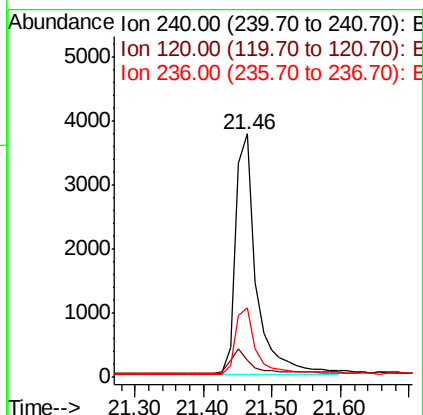
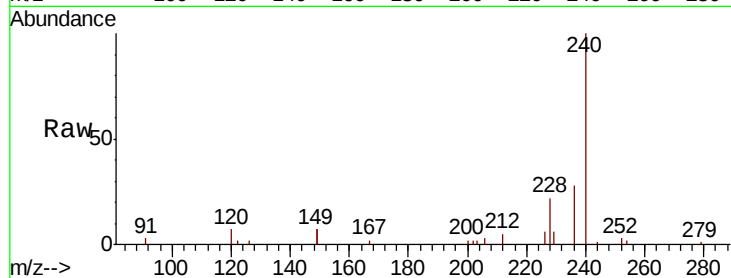




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

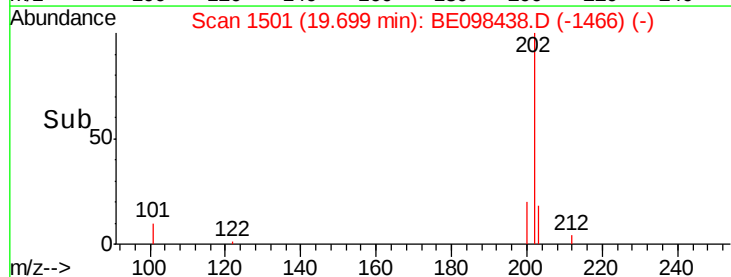
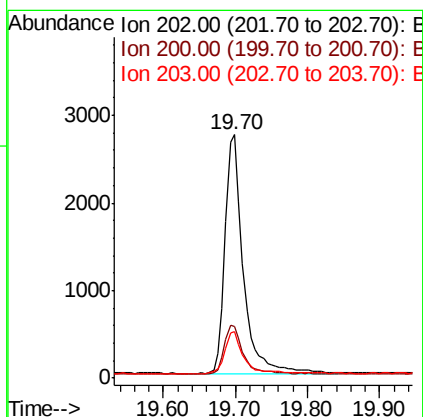
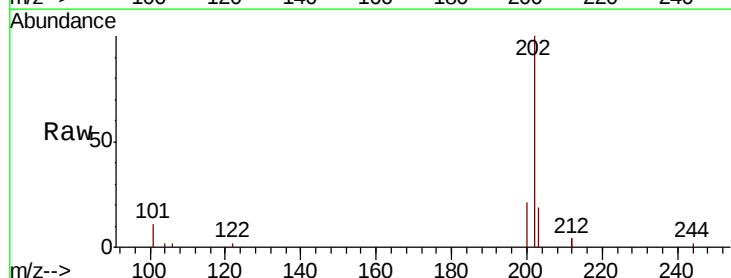
Instrument :
 BNA_G
 ClientSampleId :
 PB115633BS

Tgt Ion:240 Resp: 7954
 Ion Ratio Lower Upper
 240 100
 120 7.0 9.5 14.3#
 236 28.4 22.7 34.1



#28
 Pyrene
 Concen: 0.194 ng
 RT: 19.70 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Tgt Ion:202 Resp: 4832
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 17.6 14.1 21.1





#29

Terphenyl-d14

Concen: 0.182 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

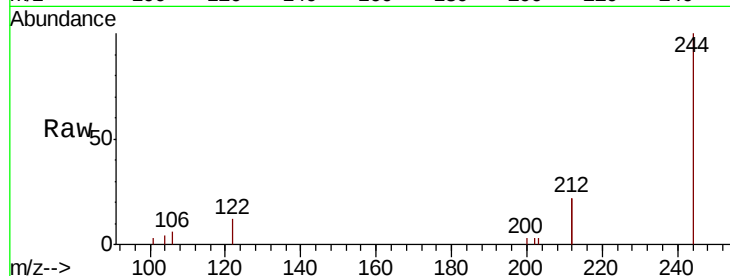
Tgt Ion:244 Resp: 3509

Ion Ratio Lower Upper

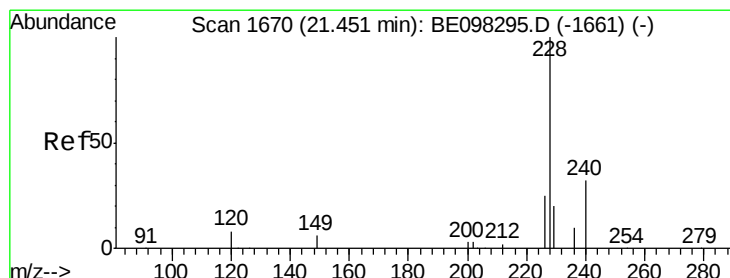
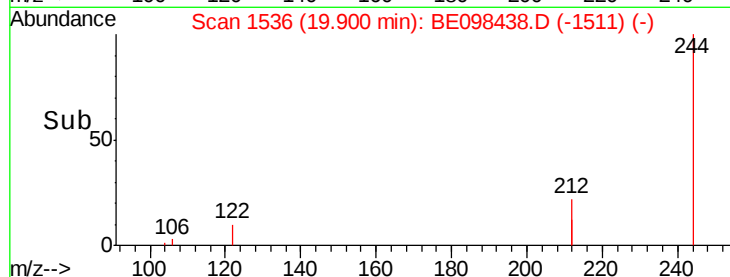
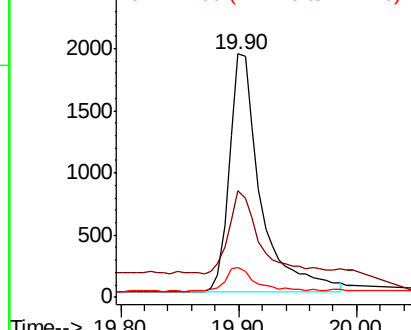
244 100

212 43.8 27.4 41.0#

122 12.3 8.3 12.5



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



#30

Benzo(a)anthracene

Concen: 0.224 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

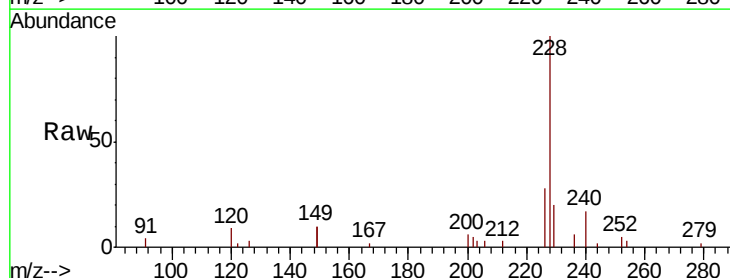
Tgt Ion:228 Resp: 5077

Ion Ratio Lower Upper

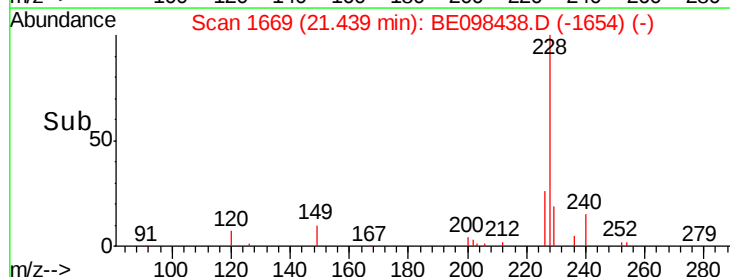
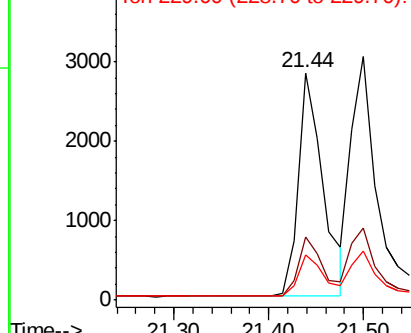
228 100

226 27.7 21.8 32.8

229 20.1 16.3 24.5



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





#31

Chrysene

Concen: 0.224 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

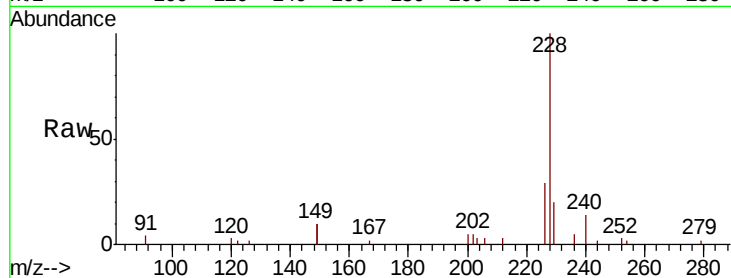
Tgt Ion:228 Resp: 5304

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

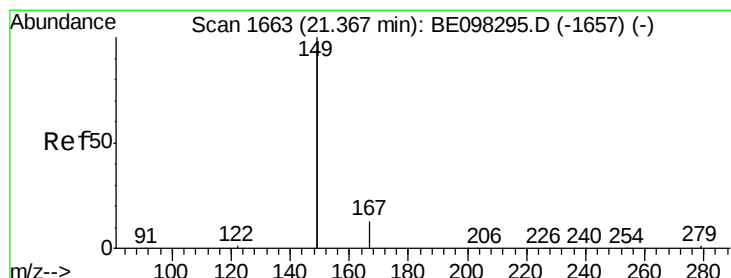
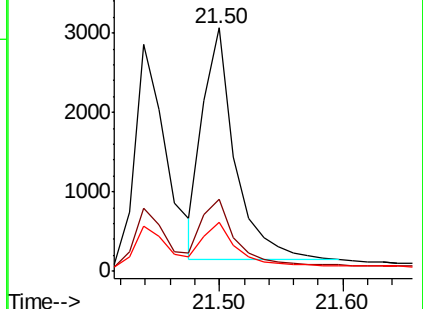
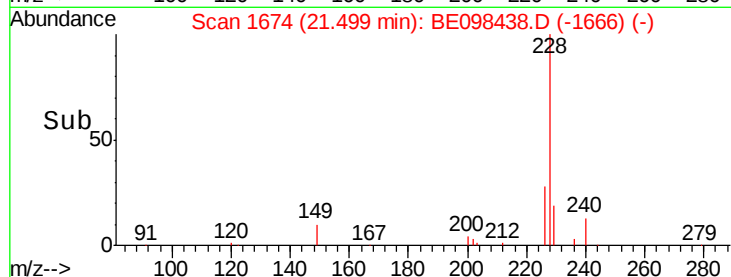
229 20.4 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.169 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

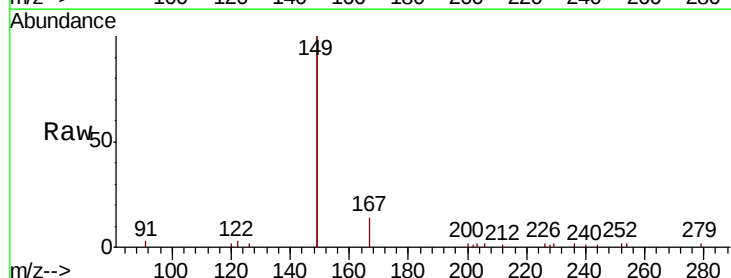
Tgt Ion:149 Resp: 7795

Ion Ratio Lower Upper

149 100

167 7.1 5.7 8.5

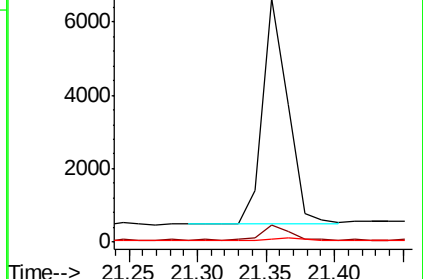
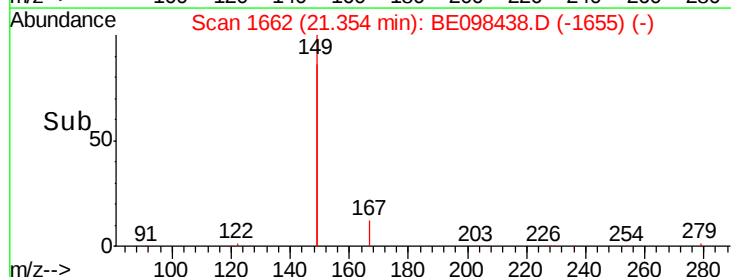
279 1.2 1.0 1.4



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.223 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

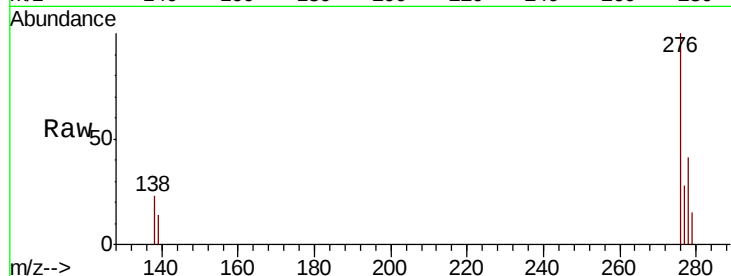
Tgt Ion:276 Resp: 5258

Ion Ratio Lower Upper

276 100

138 8.8 16.3 24.5#

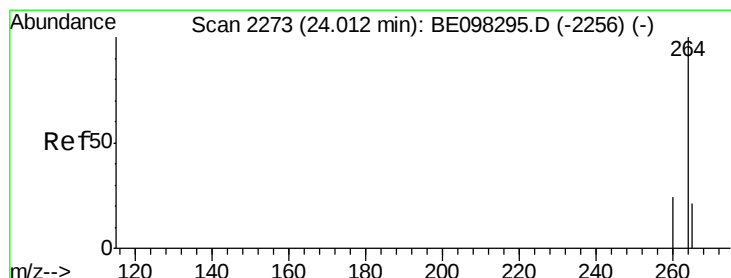
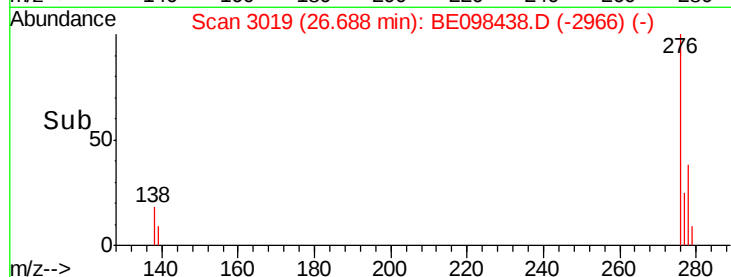
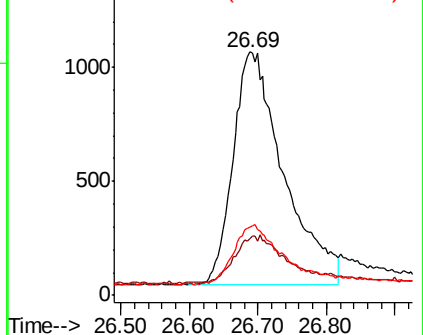
277 22.7 20.2 30.4



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

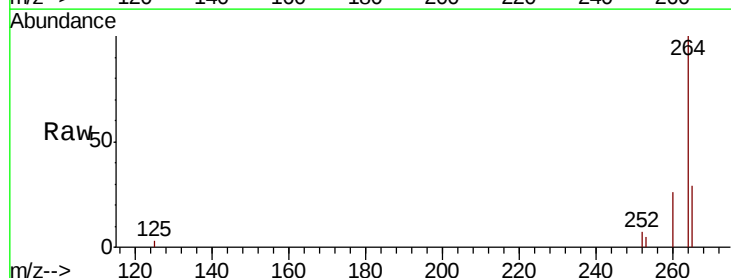
Tgt Ion:264 Resp: 7451

Ion Ratio Lower Upper

264 100

260 26.1 20.2 30.2

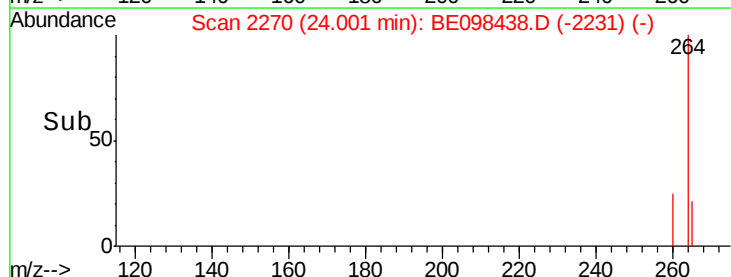
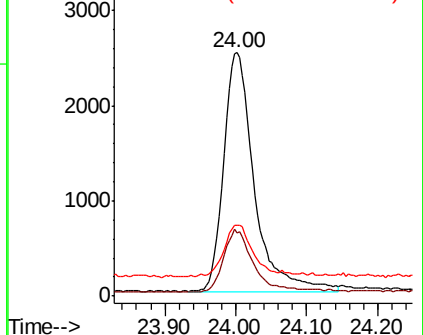
265 29.0 25.2 37.8



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





#35

Benzo(b)fluoranthene

Concen: 0.234 ng

RT: 23.22 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

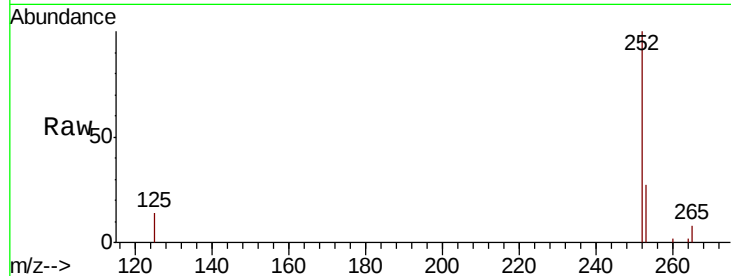
Tgt Ion:252 Resp: 4761

Ion Ratio Lower Upper

252 100

253 26.5 20.0 30.0

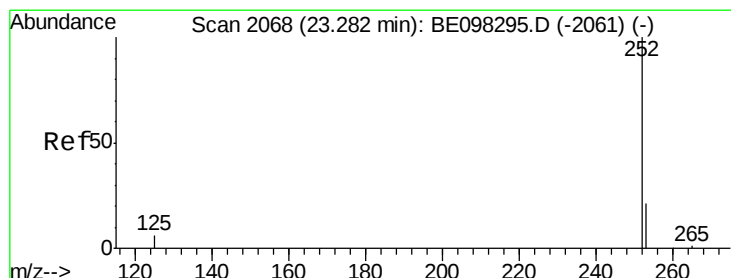
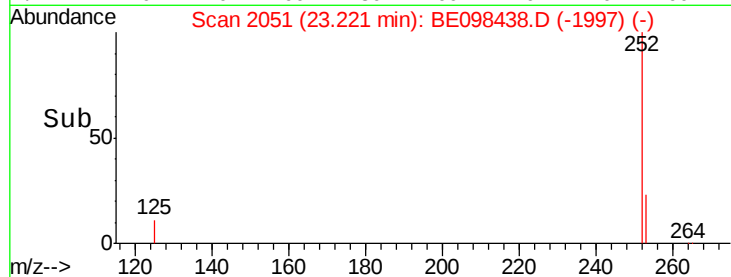
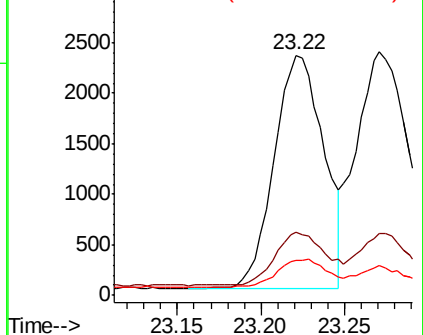
125 14.4 9.6 14.4



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



#36

Benzo(k)fluoranthene

Concen: 0.228 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

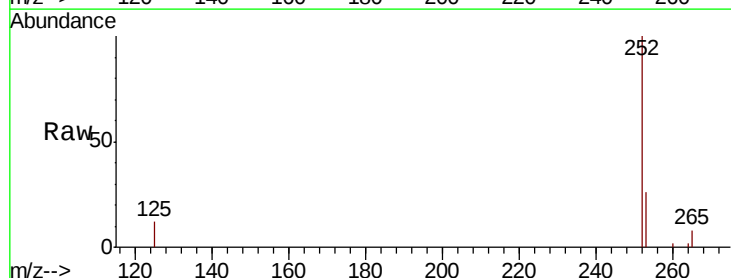
Tgt Ion:252 Resp: 5401

Ion Ratio Lower Upper

252 100

253 25.6 19.0 28.6

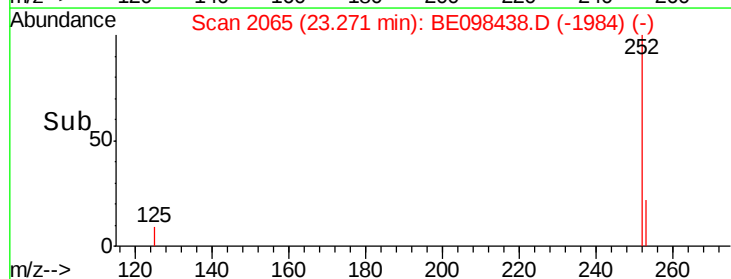
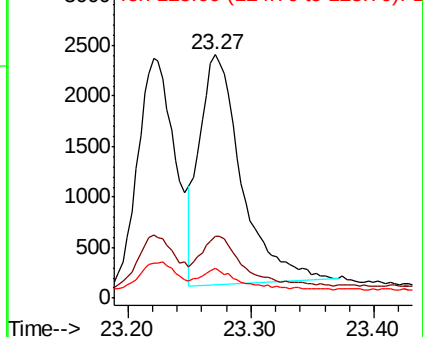
125 12.0 9.1 13.7

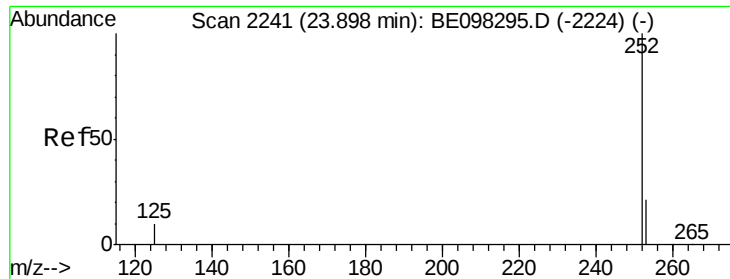


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.233 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS

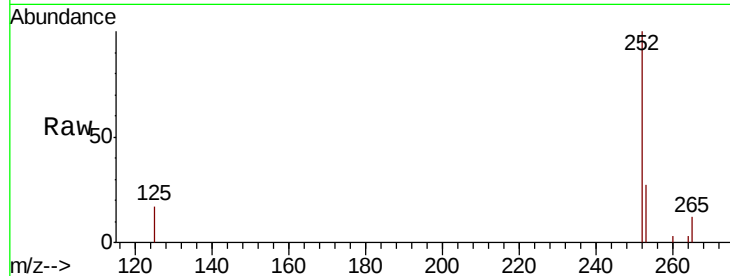
Tgt Ion: 252 Resp: 4897

Ion Ratio Lower Upper

252 100

253 27.3 20.6 30.8

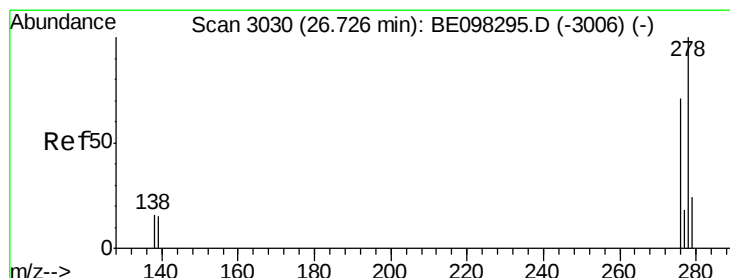
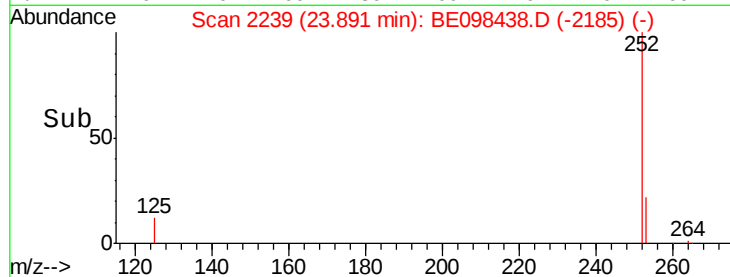
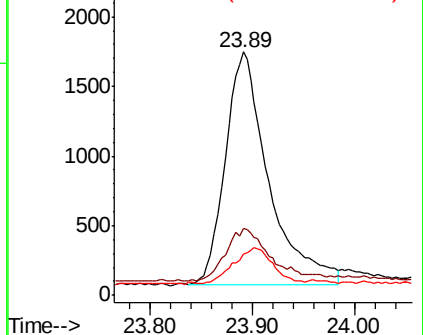
125 17.0 10.5 15.7#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.212 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

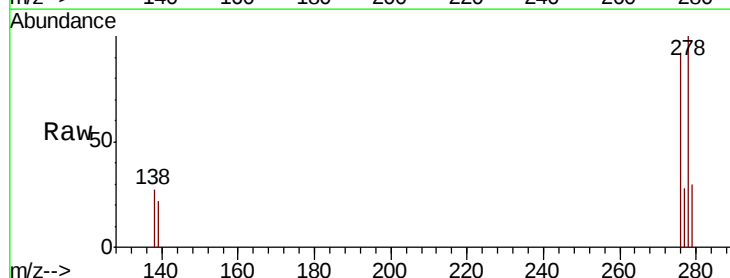
Tgt Ion: 278 Resp: 4197

Ion Ratio Lower Upper

278 100

139 22.4 14.5 21.7#

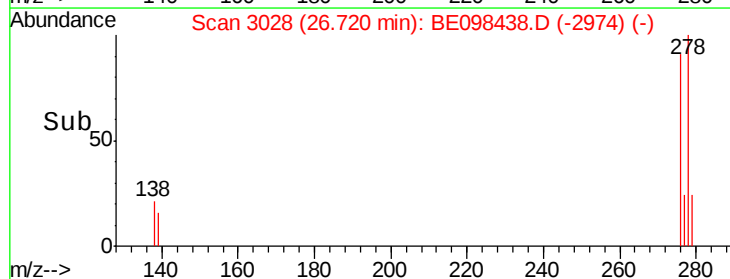
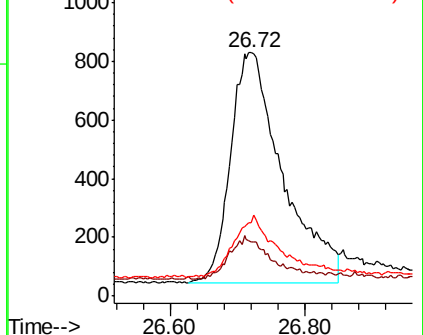
279 30.4 21.8 32.8



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





#39

Benzo(g,h,i)perylene

Concen: 0.220 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

Lab File: BE098438.D

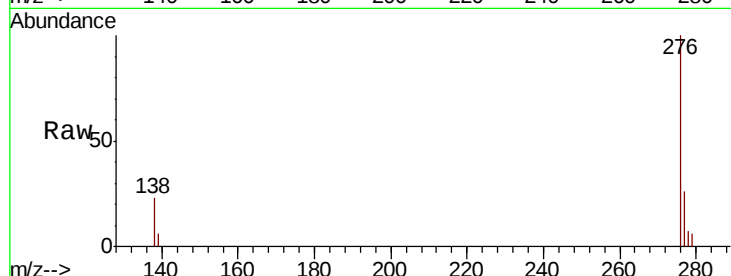
Acq: 14 Dec 2018 16:32

Instrument :

BNA_G

ClientSampleId :

PB115633BS



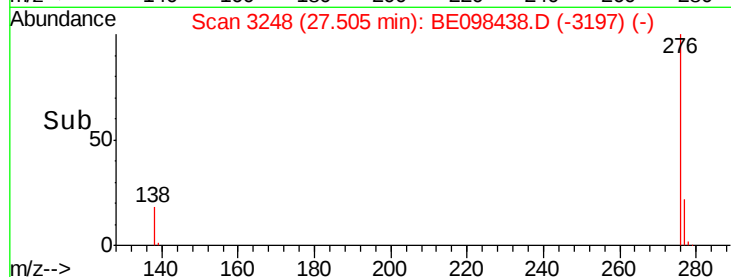
Tgt Ion: 276 Resp: 4385

Ion Ratio Lower Upper

276 100

277 26.1 20.8 31.2

138 23.0 15.8 23.6



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

