

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121418\
 Data File : BE098439.D
 Acq On : 14 Dec 2018 17:11
 Operator : SJ/JU
 Sample : PB115633BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115633BSD

Quant Time: Dec 14 23:32:08 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	965	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3803	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2215	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5830	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	7880	0.40	ng	0.00
34) Perylene-d12	24.00	264	7107	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	552	0.24	ng	0.00
5) Phenol-d6	7.06	99	695	0.22	ng	0.00
8) Nitrobenzene-d5	9.03	82	776	0.22	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	1446	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	158	0.19	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	2190	0.23	ng	0.00
25) Fluoranthene-d10	19.30	212	19208	0.26	ng	0.00
29) Terphenyl-d14	19.90	244	3458	0.18	ng	0.00

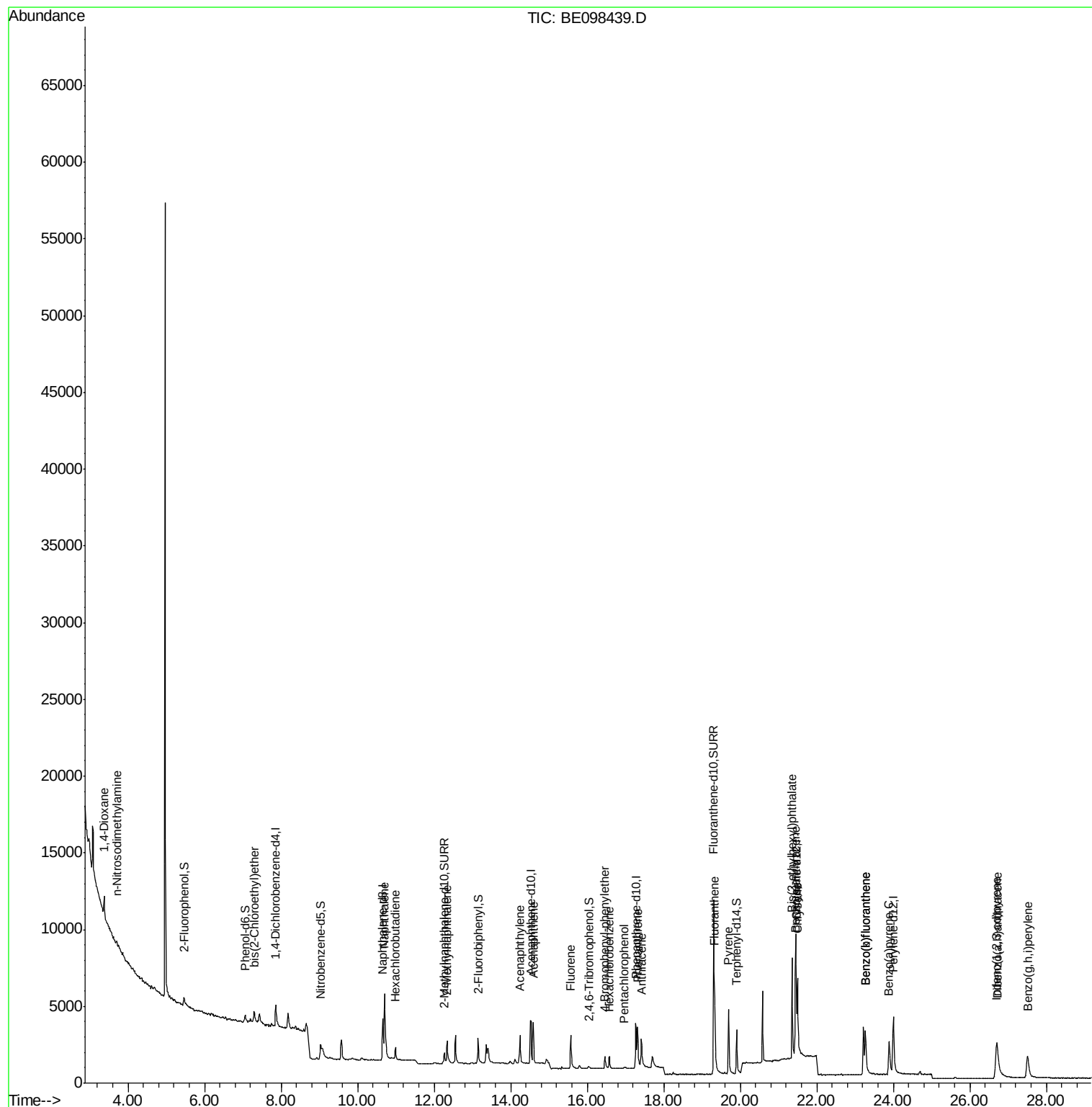
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	577	0.346	ng	# 57
3) n-Nitrosodimethylamine	3.70	42	336	0.224	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	488	0.161	ng	# 98
9) Naphthalene	10.70	128	9168	0.240	ng	# 97
10) Hexachlorobutadiene	10.99	225	600	0.246	ng	97
12) 2-Methylnaphthalene	12.34	142	1400	0.225	ng	95
16) Acenaphthylene	14.24	152	2402	0.231	ng	99
17) Acenaphthene	14.59	154	1365	0.219	ng	96
18) Fluorene	15.57	166	1840	0.221	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	557	0.178	ng	93
21) Hexachlorobenzene	16.58	284	722	0.214	ng	95
22) Pentachlorophenol	16.95	266	66	0.142	ng	# 80
23) Phenanthrene	17.31	178	3274	0.231	ng	98
24) Anthracene	17.41	178	2537	0.201	ng	98
26) Fluoranthene	19.33	202	4804	0.256	ng	97
28) Pyrene	19.69	202	4878	0.197	ng	100
30) Benzo(a)anthracene	21.44	228	5009	0.223	ng	99
31) Chrysene	21.50	228	5120	0.218	ng	99
32) Bis(2-ethylhexyl)phthalate	21.35	149	7482	0.164	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5382	0.230	ng	# 85
35) Benzo(b)fluoranthene	23.27	252	5580	0.287	ng	99
36) Benzo(k)fluoranthene	23.27	252	5775	0.255	ng	98
37) Benzo(a)pyrene	23.89	252	4869	0.243	ng	94
38) Dibenzo(a,h)anthracene	26.72	278	4080	0.216	ng	96
39) Benzo(g,h,i)perylene	27.51	276	4438	0.233	ng	97

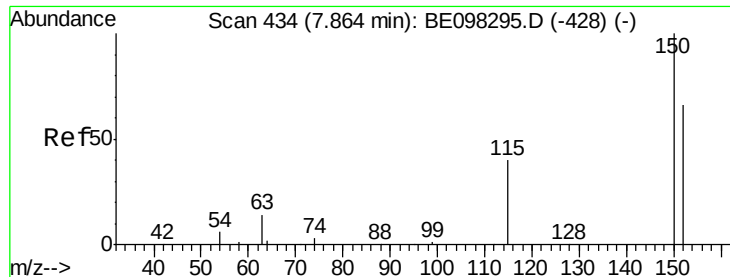
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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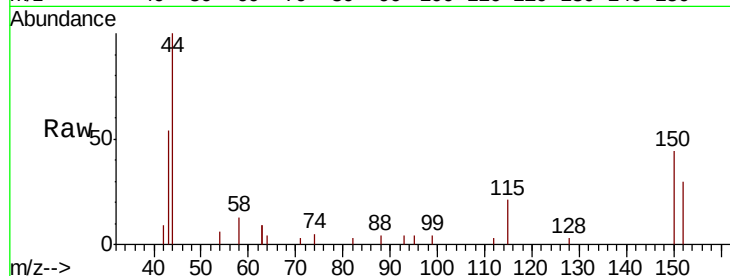


#1

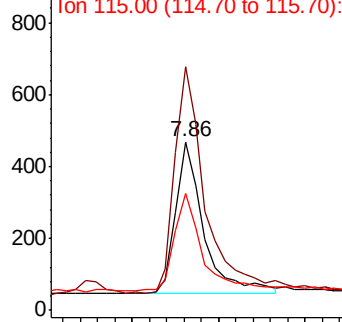
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

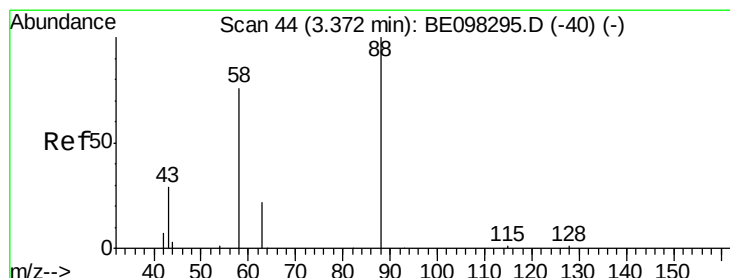
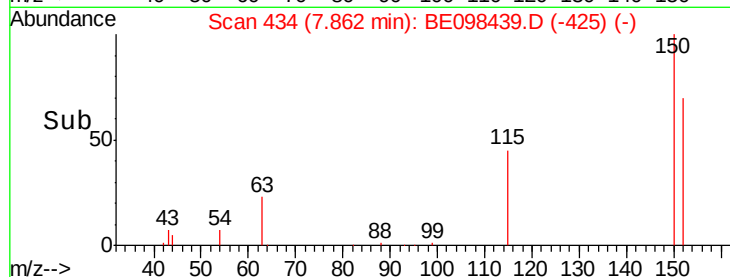
Tgt Ion:152 Resp: 965
Ion Ratio Lower Upper
152 100
150 144.7 124.2 186.4
115 69.9 53.9 80.9



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



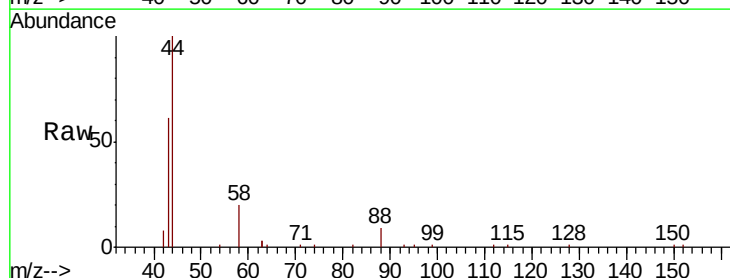
Time-->



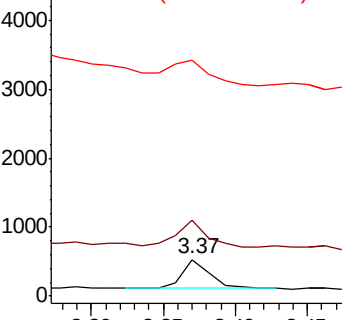
#2

1,4-Dioxane
Concen: 0.346 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

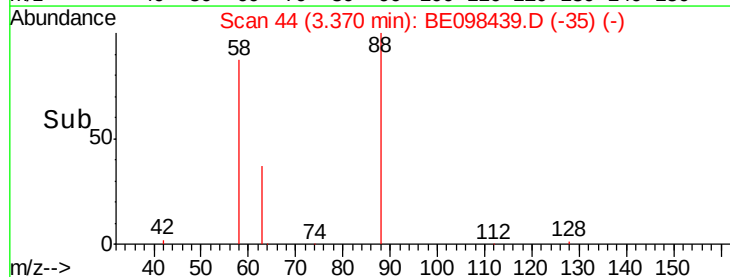
Tgt Ion: 88 Resp: 577
Ion Ratio Lower Upper
88 100
58 92.9 75.0 112.6
43 131.5 38.3 57.5#

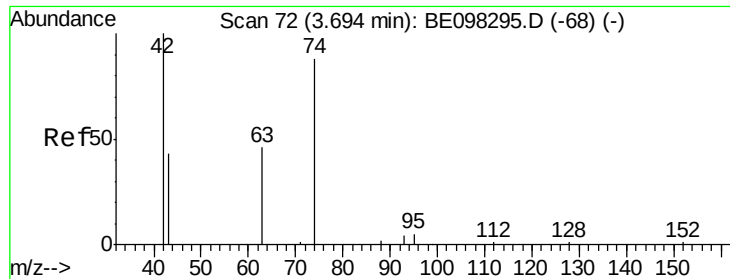


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.224 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

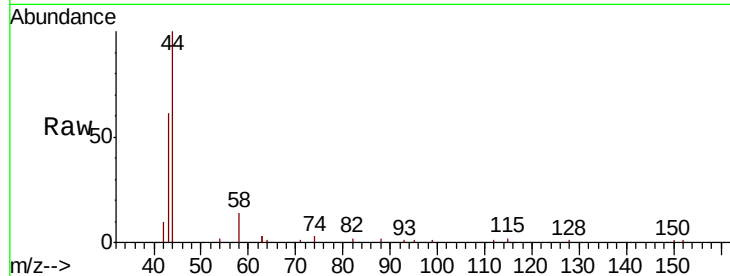
Tgt Ion: 42 Resp: 336

Ion Ratio Lower Upper

42 100

74 67.0 0.0 0.0#

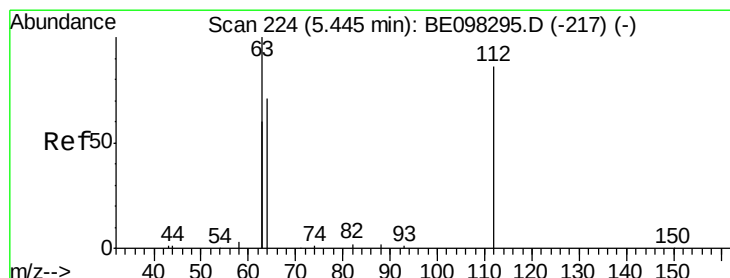
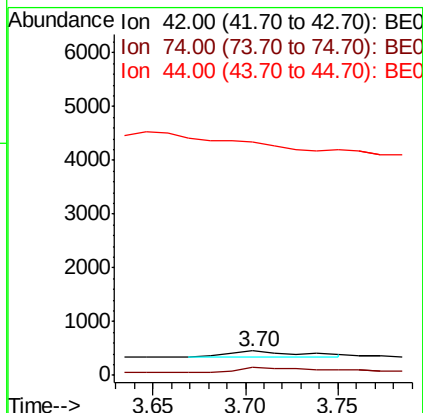
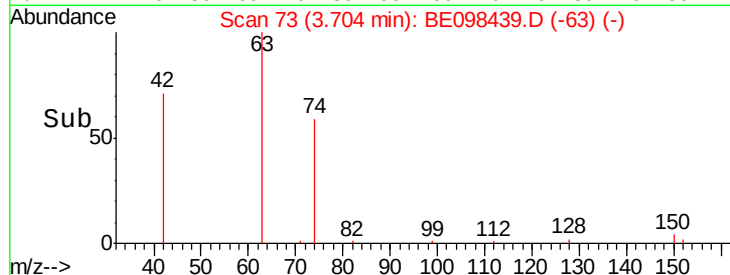
44 0.0 0.0 0.0



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: 0.244 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

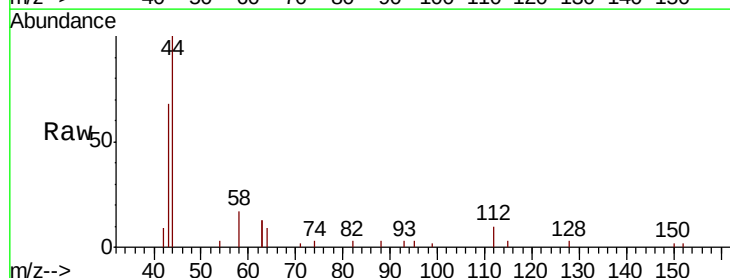
Tgt Ion: 112 Resp: 552

Ion Ratio Lower Upper

112 100

64 84.1 59.8 89.8

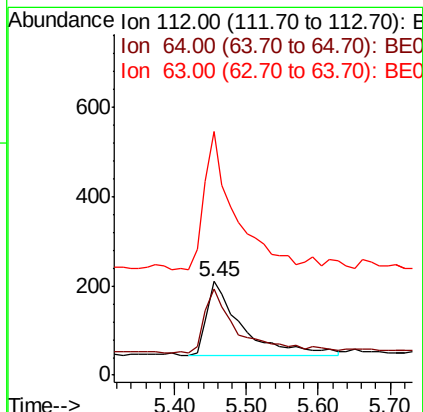
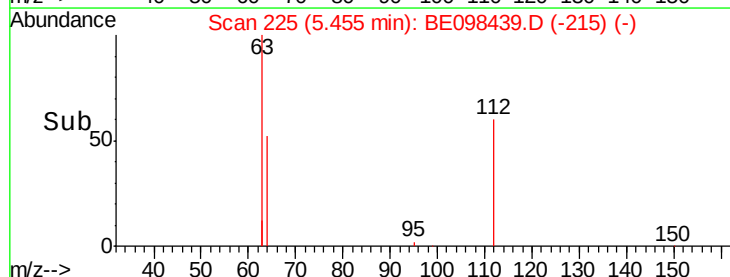
63 166.7 133.7 200.5

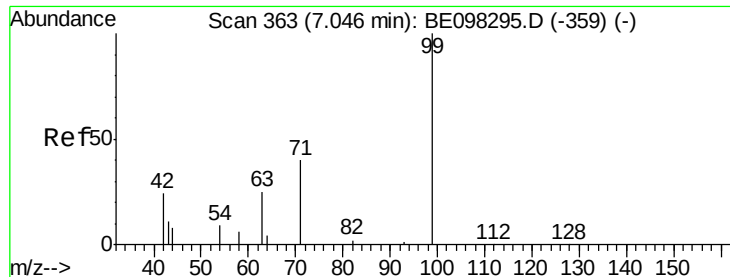


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.217 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

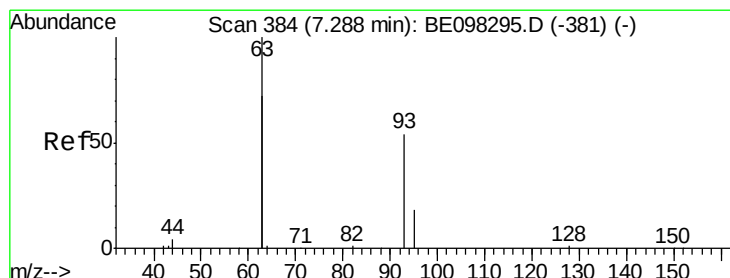
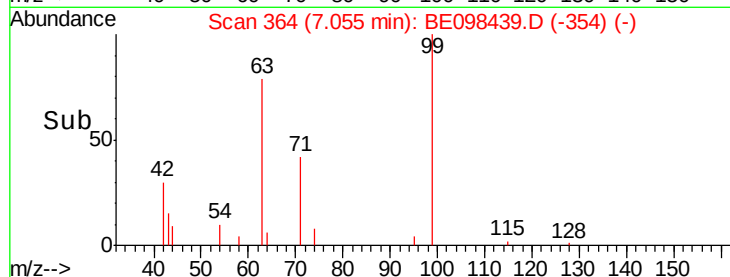
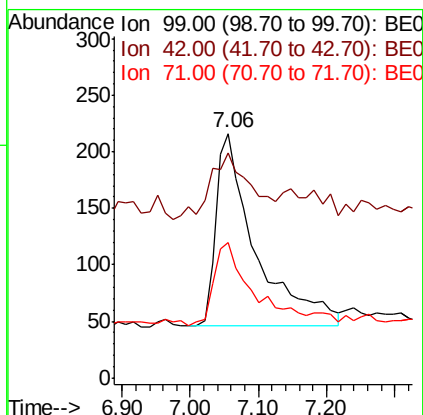
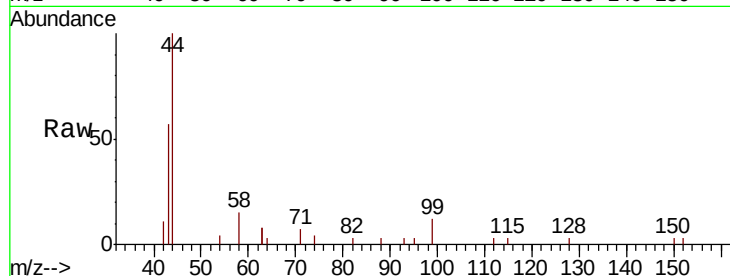
Tgt Ion: 99 Resp: 695

Ion Ratio Lower Upper

99 100

42 35.1 26.3 39.5

71 42.3 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.161 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

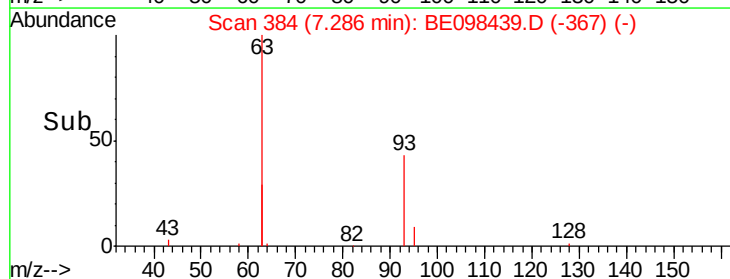
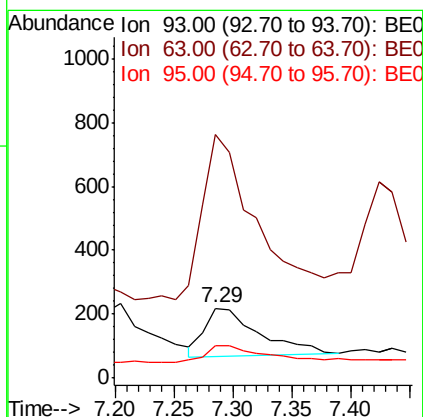
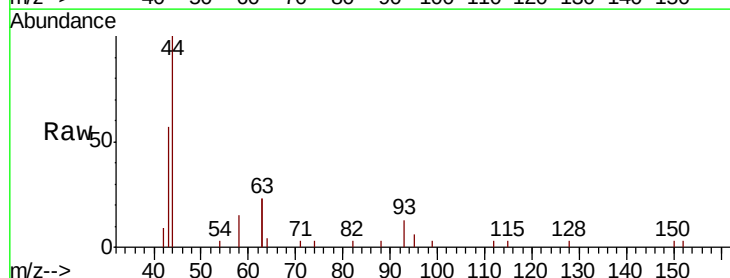
Tgt Ion: 93 Resp: 488

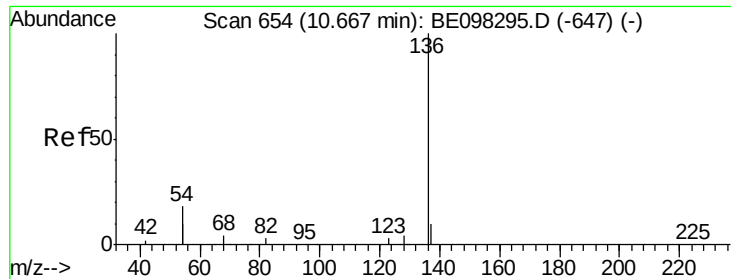
Ion Ratio Lower Upper

93 100

63 330.5 264.4 396.6

95 43.9 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: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

Tgt Ion: 136 Resp: 3803

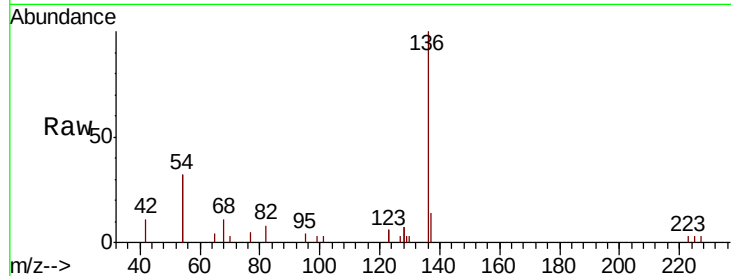
Ion Ratio Lower Upper

136 100

137 13.7 9.2 13.8

54 64.1 28.4 42.6#

68 10.8 5.4 8.0#

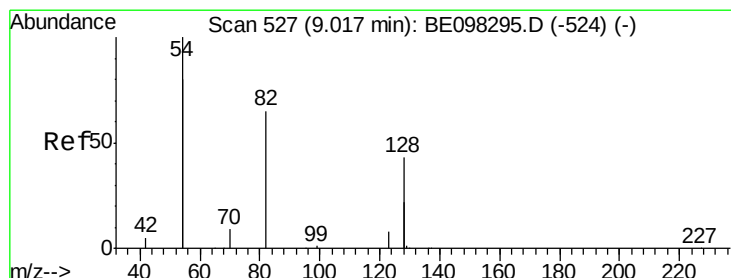
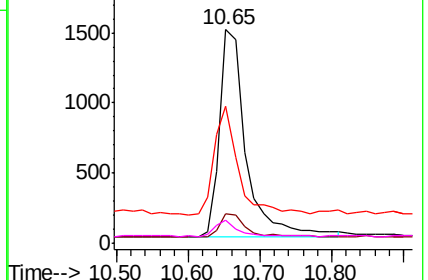
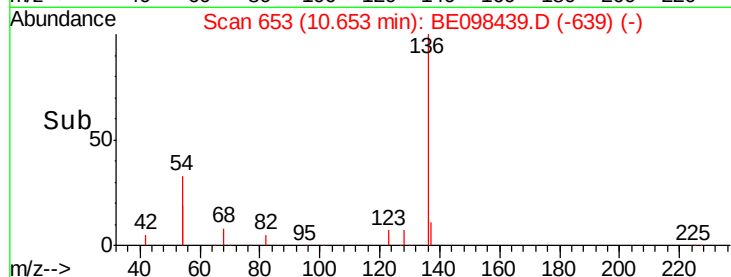


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.224 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

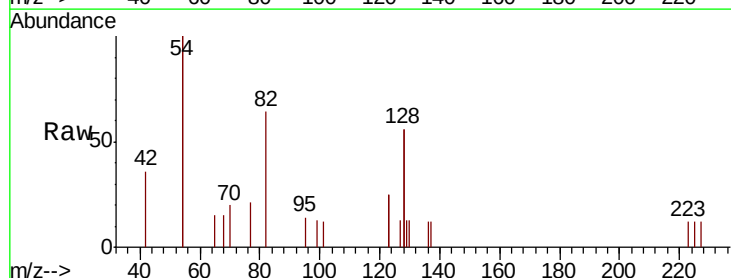
Tgt Ion: 82 Resp: 776

Ion Ratio Lower Upper

82 100

128 175.2 102.4 153.6#

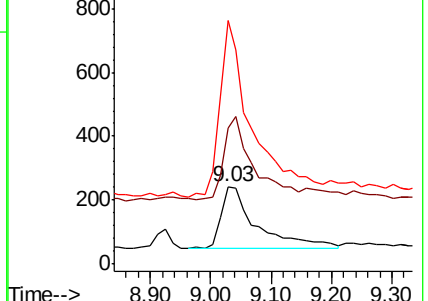
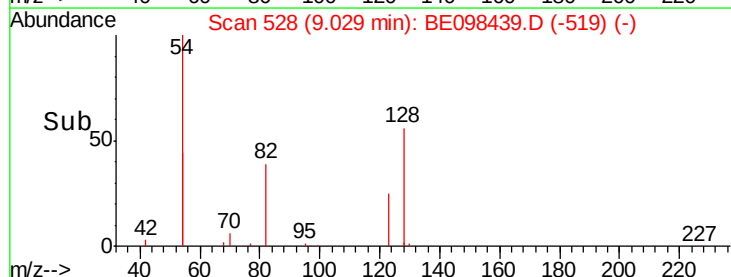
54 314.9 221.8 332.8

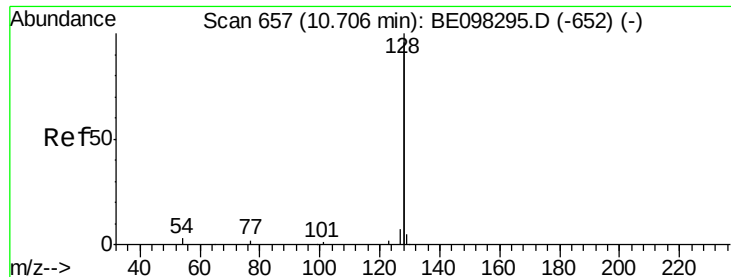


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.240 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

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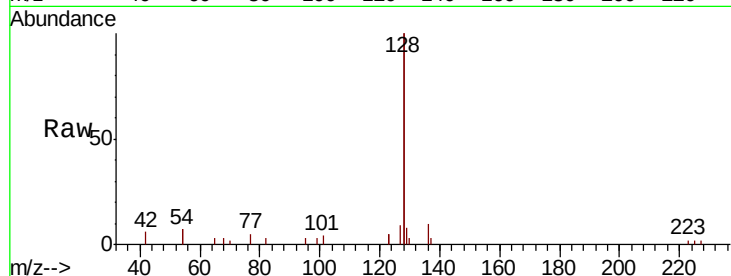
Tgt Ion:128 Resp: 9168

Ion Ratio Lower Upper

128 100

129 3.8 2.5 3.7#

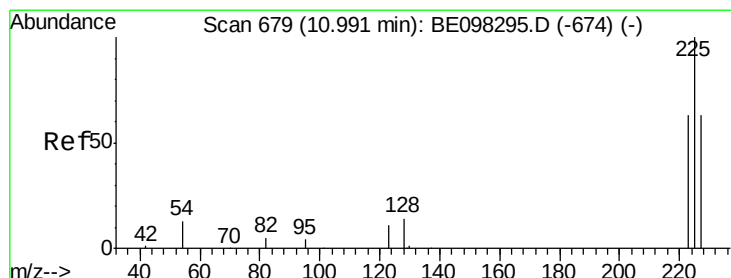
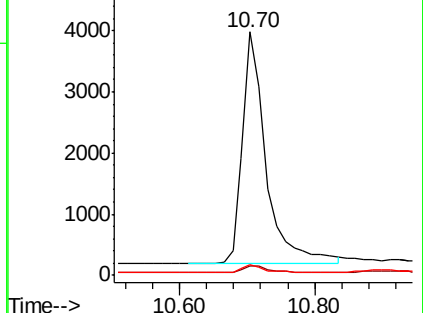
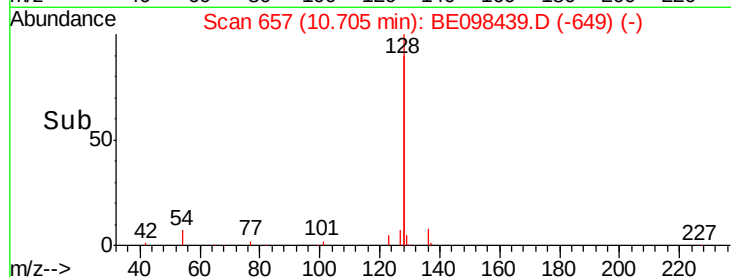
127 4.6 2.7 4.1#



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: 0.246 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

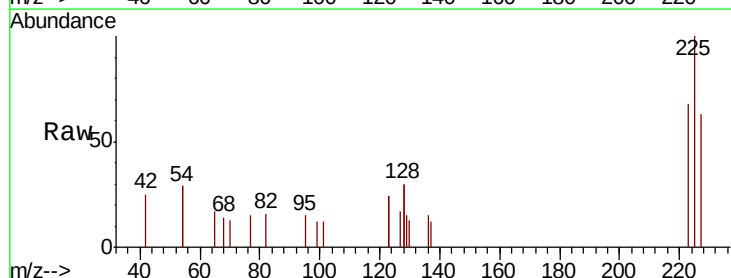
Tgt Ion:225 Resp: 600

Ion Ratio Lower Upper

225 100

223 61.0 49.4 74.0

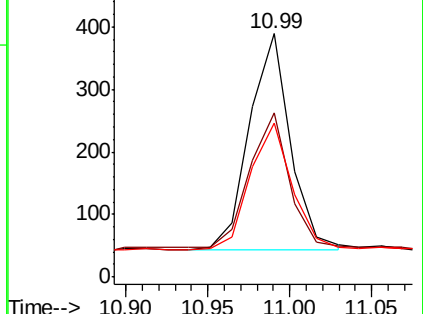
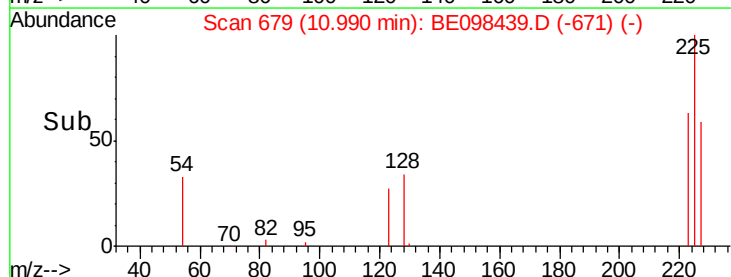
227 60.3 52.0 78.0

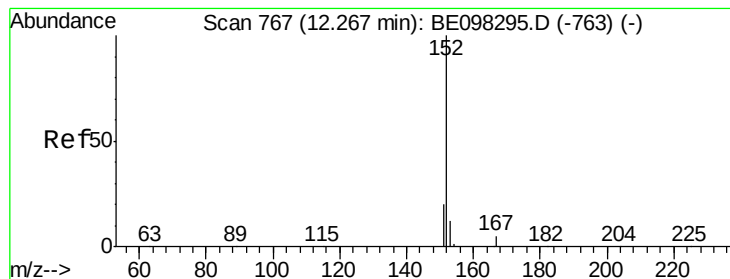


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.234 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

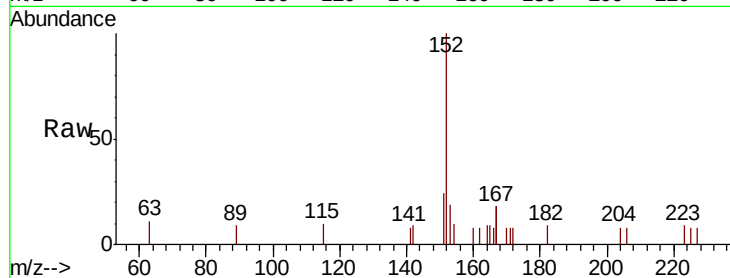
PB115633BSD

Tgt Ion:152 Resp: 1446

Ion Ratio Lower Upper

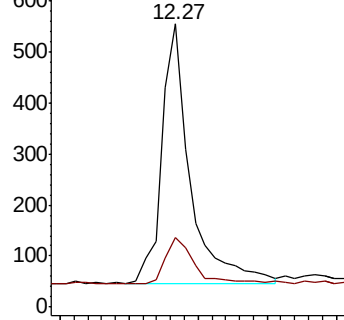
152 100

151 18.3 16.2 24.4

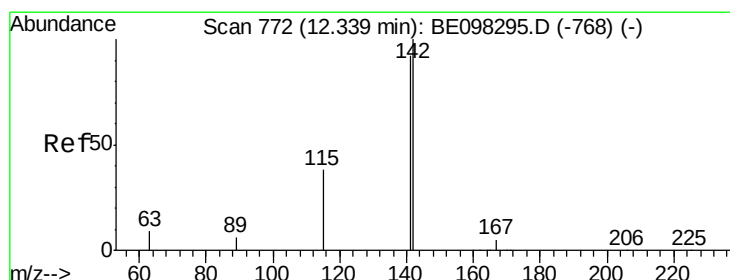
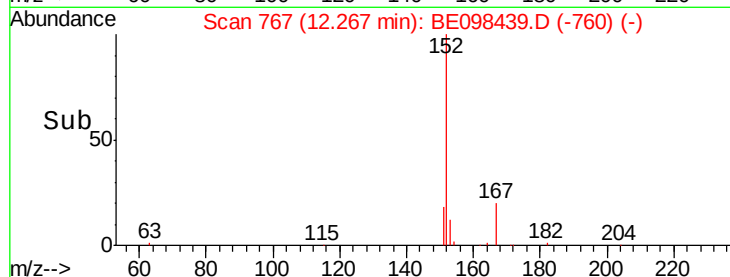


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time--> 12.10 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.225 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

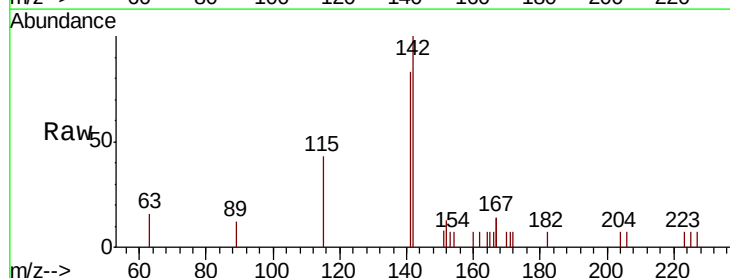
Tgt Ion:142 Resp: 1400

Ion Ratio Lower Upper

142 100

141 83.5 71.0 106.6

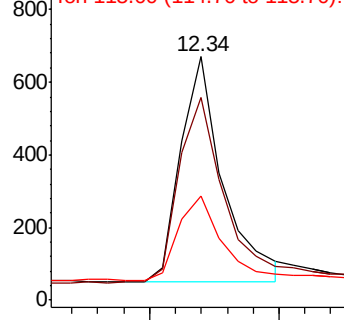
115 42.8 32.2 48.2



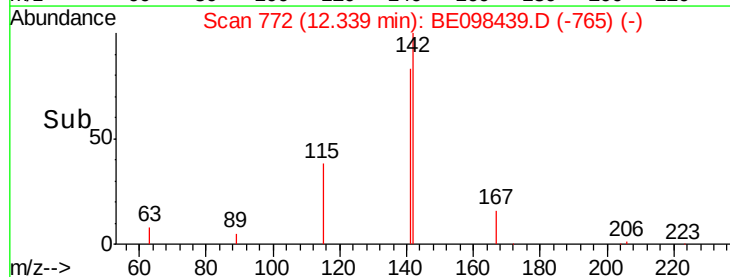
Abundance Ion 142.00 (141.70 to 142.70): E

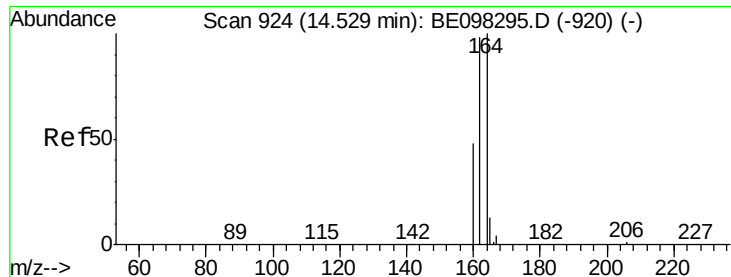
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 12.30 12.40

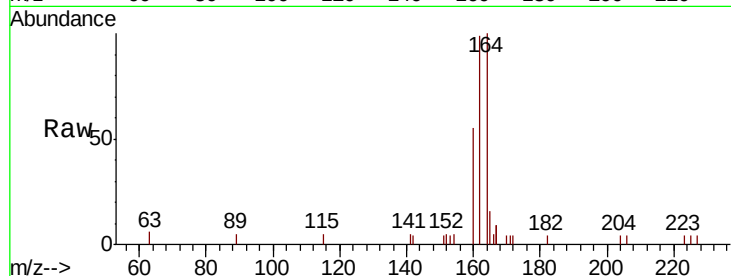




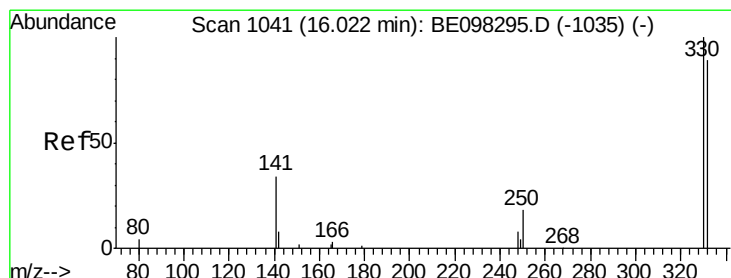
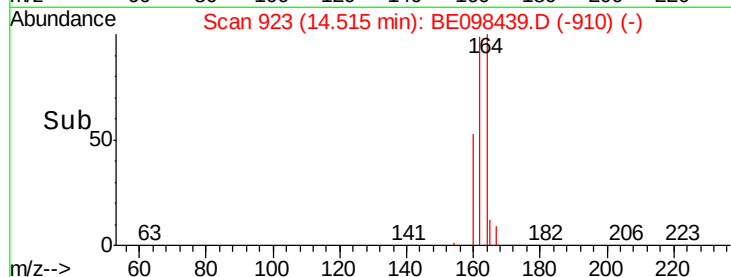
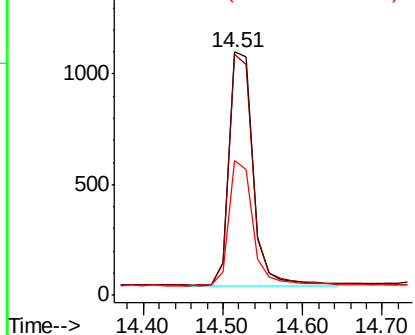
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098439.D
 Acq: 14 Dec 2018 17:11

Instrument :
 BNA_G
 ClientSampleId :
 PB115633BSD

Tgt Ion:164 Resp: 2215
 Ion Ratio Lower Upper
 164 100
 162 98.8 77.6 116.4
 160 55.2 36.0 54.0#

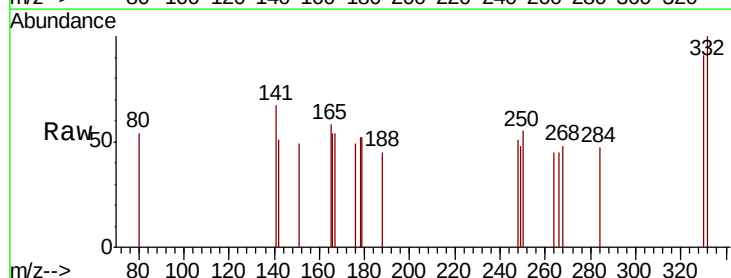


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

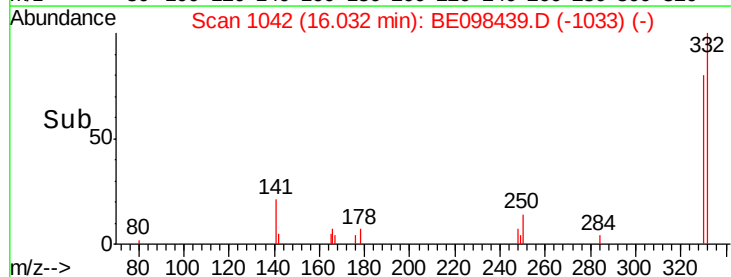
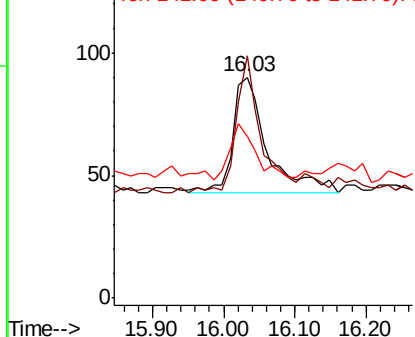


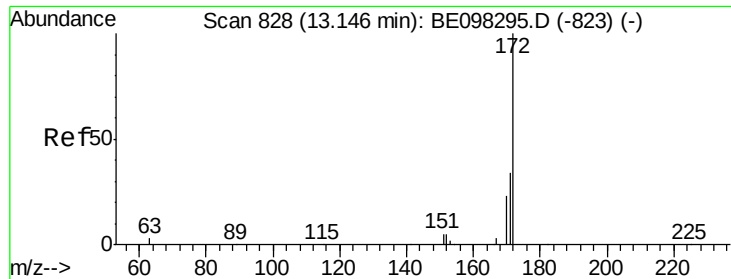
#14
 2,4,6-Tribromophenol
 Concen: 0.194 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098439.D
 Acq: 14 Dec 2018 17:11

Tgt Ion:330 Resp: 158
 Ion Ratio Lower Upper
 330 100
 332 84.8 76.2 114.4
 141 37.3 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

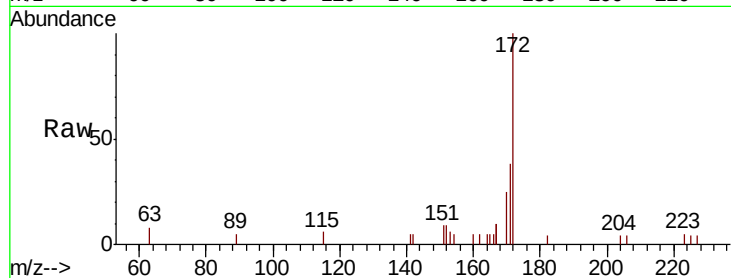




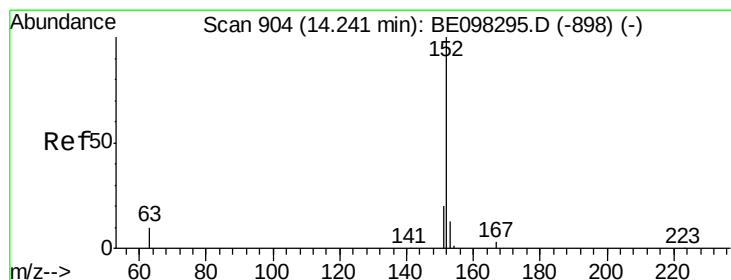
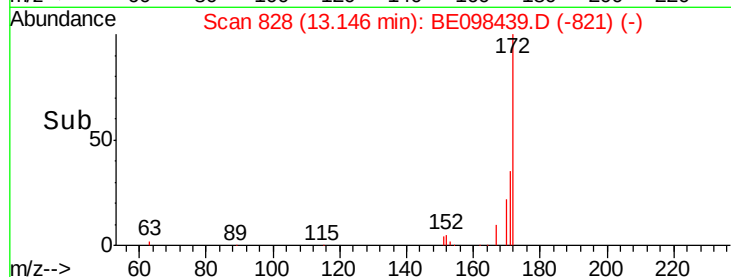
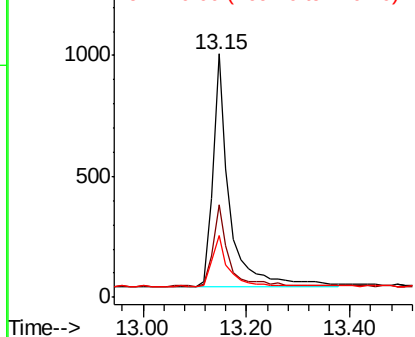
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Instrument :
BNA_G
ClientSampleId :
PB115633BSD

Tgt Ion:172 Resp: 2190
Ion Ratio Lower Upper
172 100
171 38.2 27.5 41.3
170 25.4 19.6 29.4

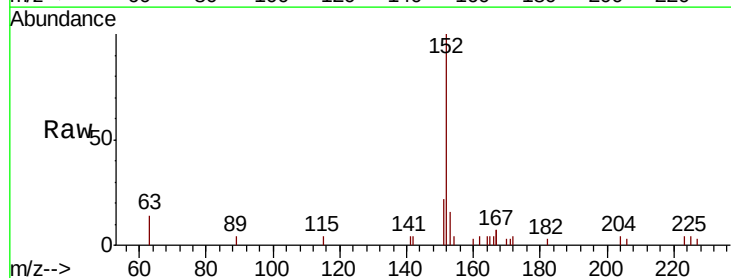


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

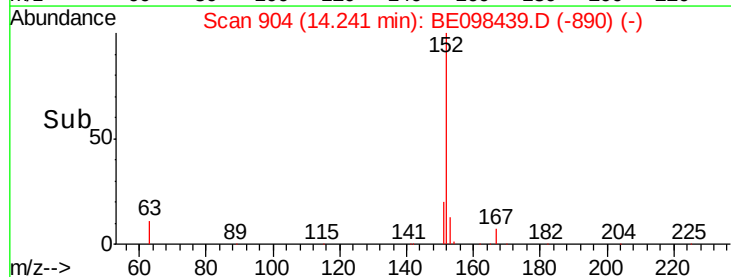
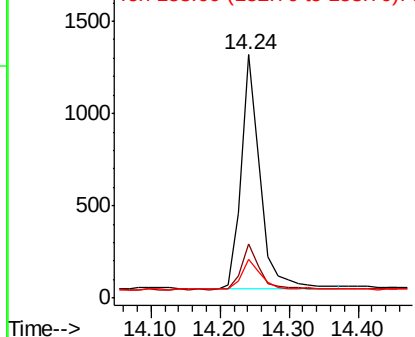


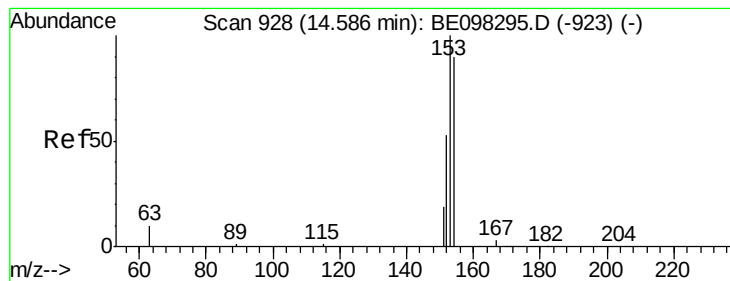
#16
Acenaphthylene
Concen: 0.231 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:152 Resp: 2402
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.7 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: 0.219 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

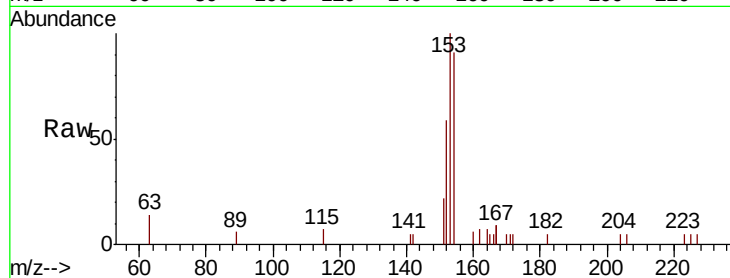
Tgt Ion:154 Resp: 1365

Ion Ratio Lower Upper

154 100

153 112.6 91.8 137.6

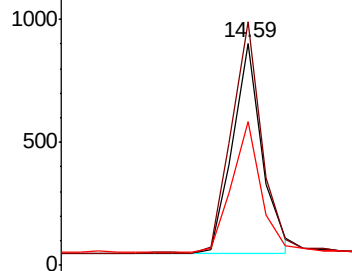
152 61.8 45.5 68.3



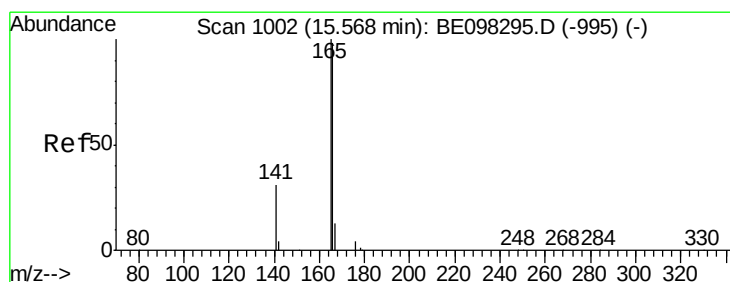
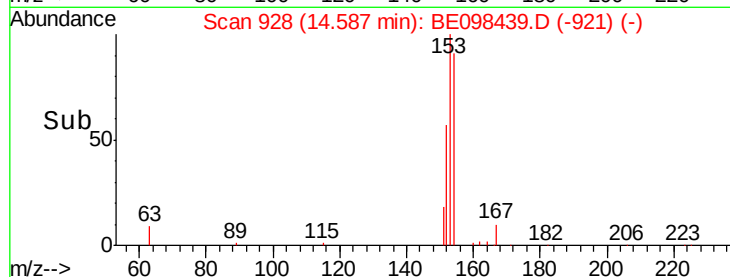
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.221 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

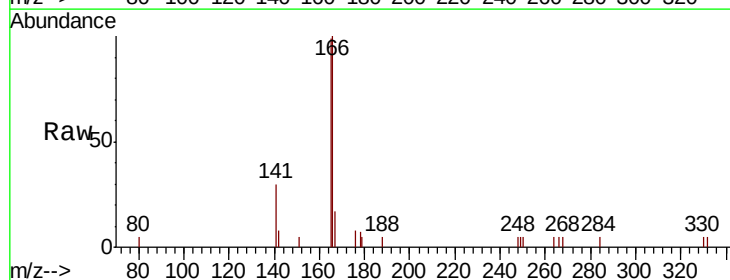
Tgt Ion:166 Resp: 1840

Ion Ratio Lower Upper

166 100

165 98.5 79.3 118.9

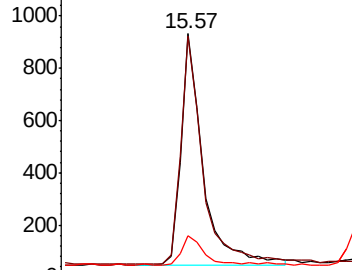
167 12.8 11.3 16.9



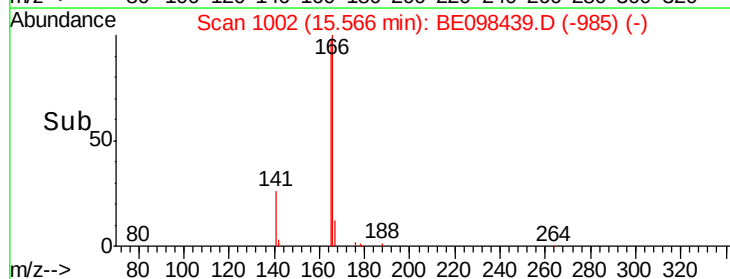
Abundance Ion 166.00 (165.70 to 166.70): E

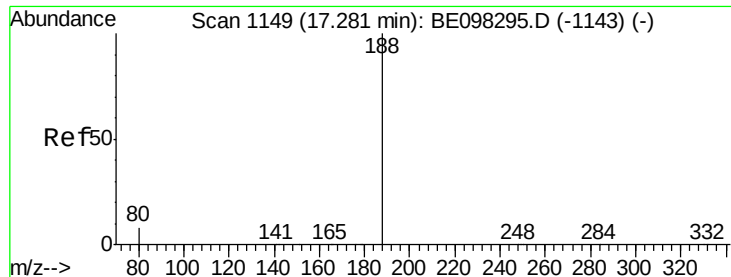
Ion 165.00 (164.70 to 165.70): E

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: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

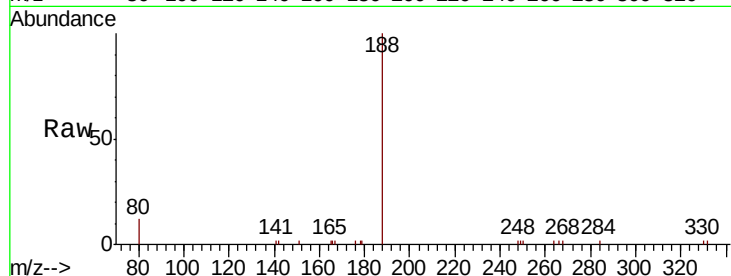
Tgt Ion:188 Resp: 5830

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

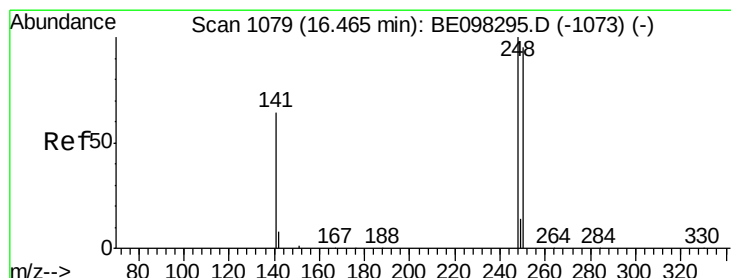
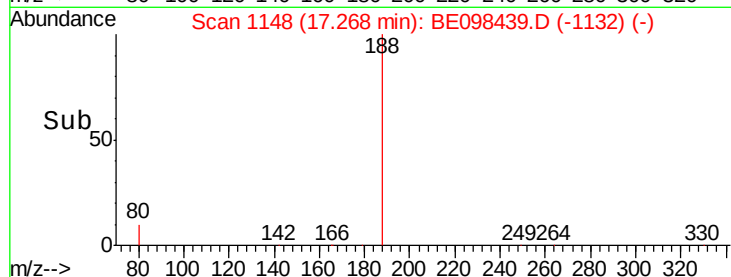
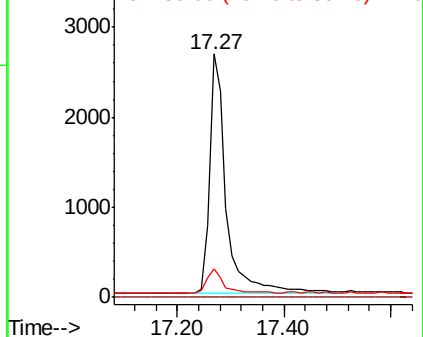
80 11.6 7.2 10.8#



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: 0.178 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

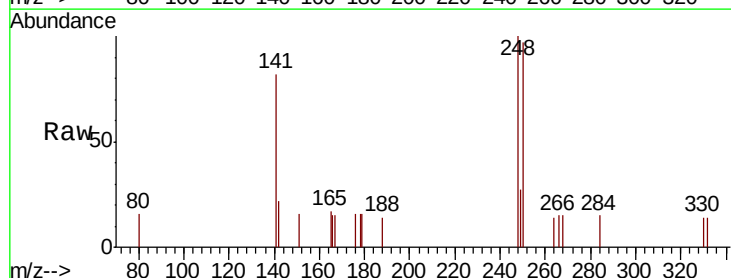
Tgt Ion:248 Resp: 557

Ion Ratio Lower Upper

248 100

250 97.2 71.0 106.6

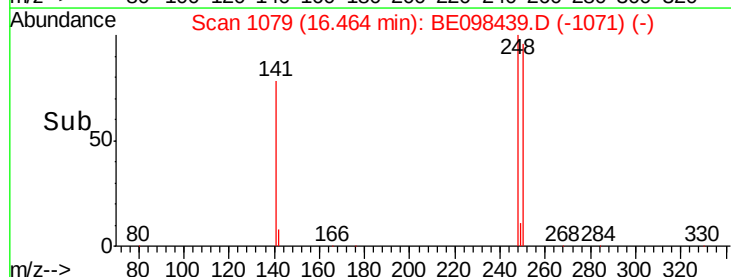
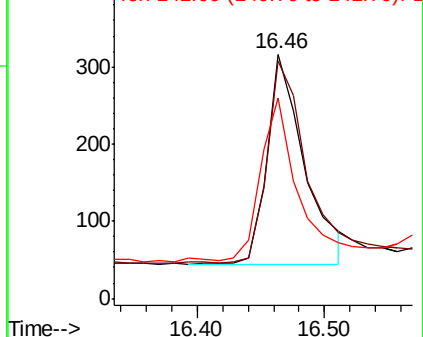
141 82.3 62.1 93.1

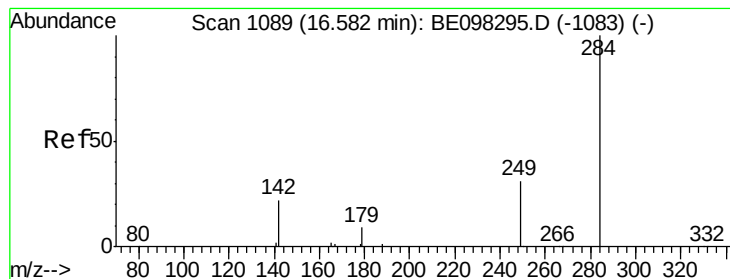


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.214 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

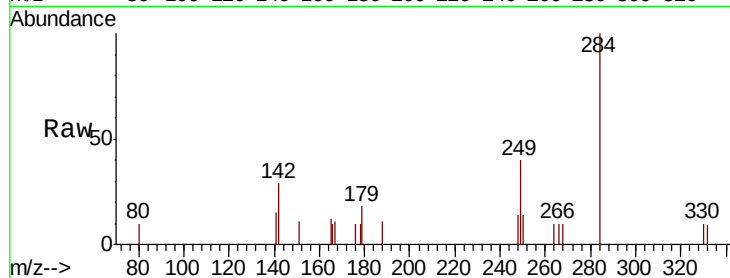
Tgt Ion:284 Resp: 722

Ion Ratio Lower Upper

284 100

142 34.3 26.3 39.5

249 36.3 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

16.58

400

300

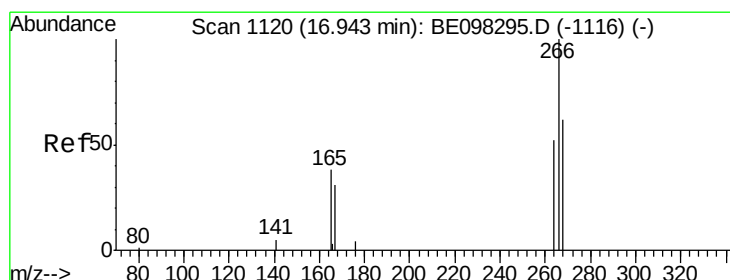
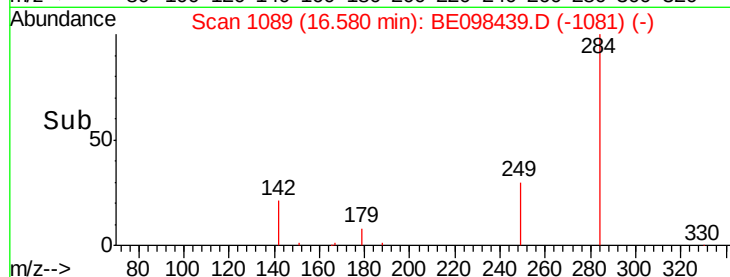
200

100

0

16.50 16.55 16.60 16.65

Time-->



#22

Pentachlorophenol

Concen: 0.142 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

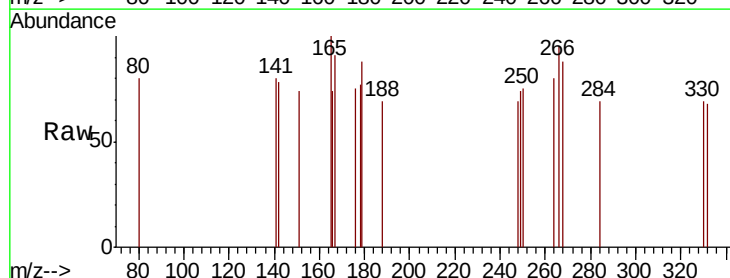
Tgt Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

264 83.9 59.0 88.4

268 91.9 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

16.95

80

60

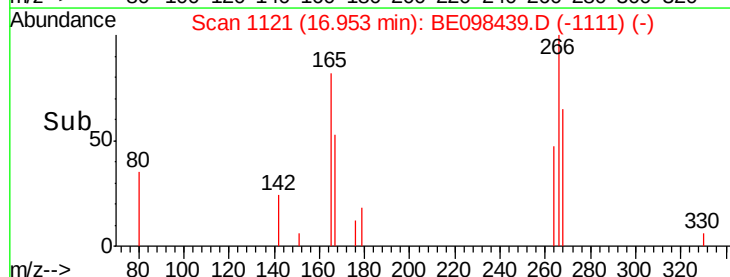
40

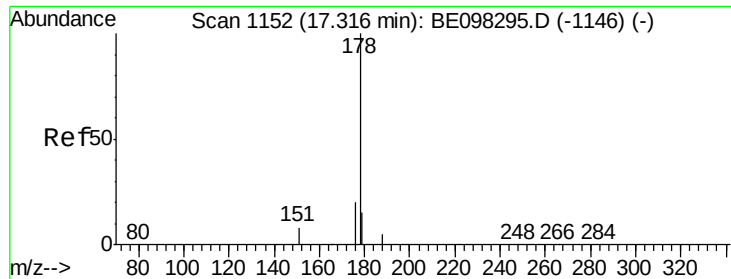
20

0

16.90 17.00

Time-->





#23

Phenanthrene

Concen: 0.231 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

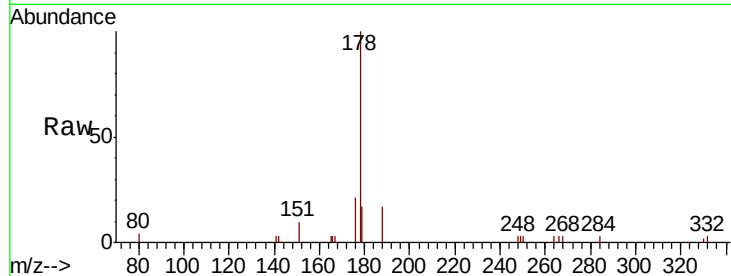
Tgt Ion:178 Resp: 3274

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

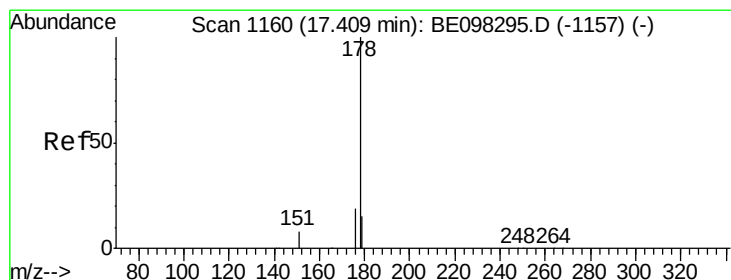
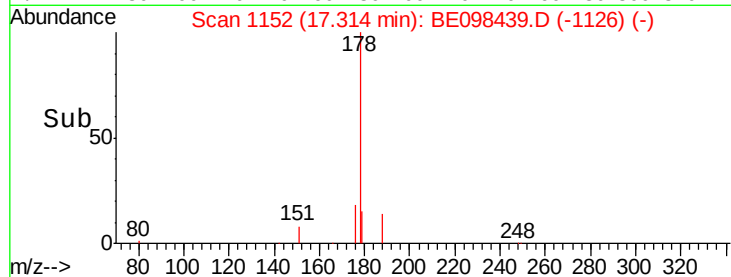
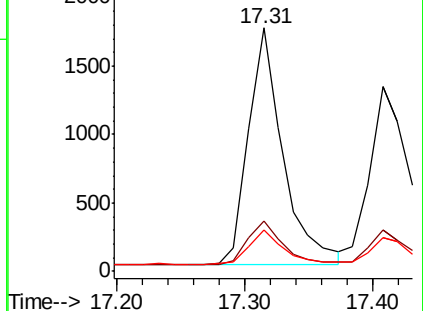
179 14.1 12.3 18.5



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



#24

Anthracene

Concen: 0.201 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

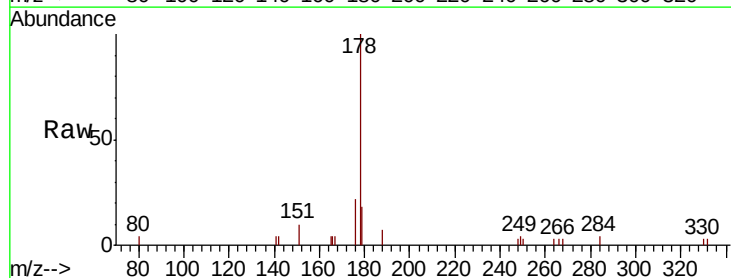
Tgt Ion:178 Resp: 2537

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

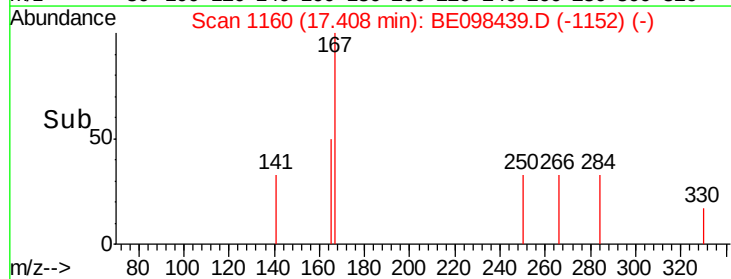
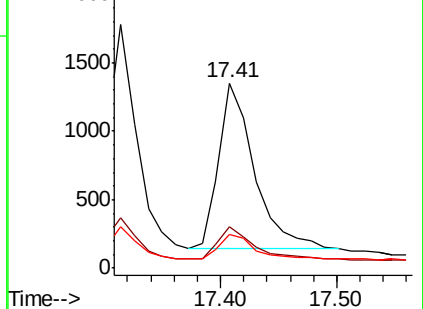
179 14.4 12.3 18.5

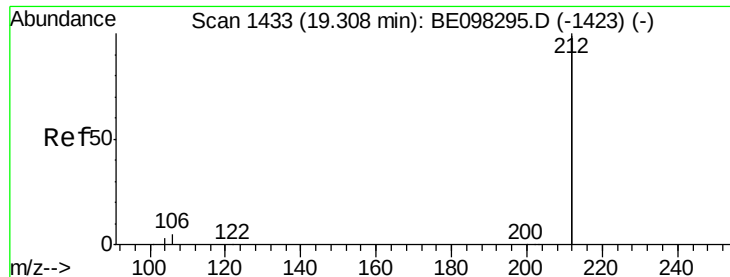


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.257 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

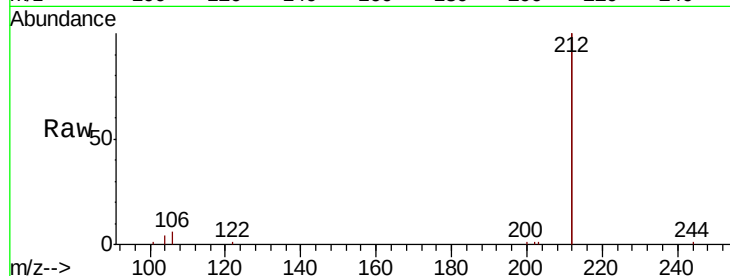
Tgt Ion:212 Resp: 19208

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

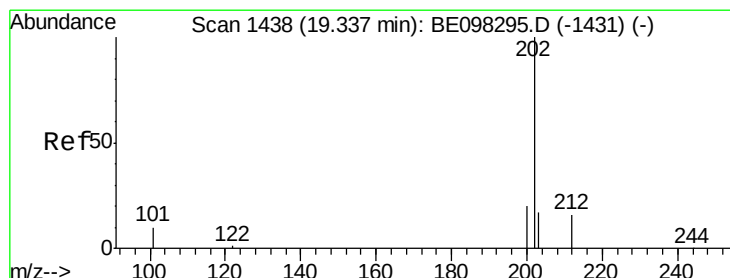
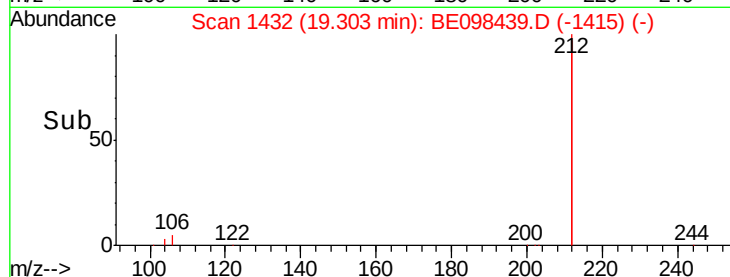
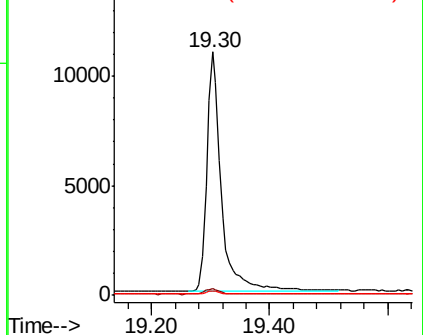
104 1.5 1.3 1.9



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: 0.256 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

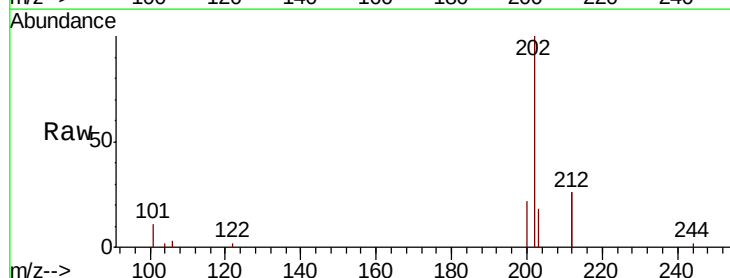
Tgt Ion:202 Resp: 4804

Ion Ratio Lower Upper

202 100

101 8.9 8.0 12.0

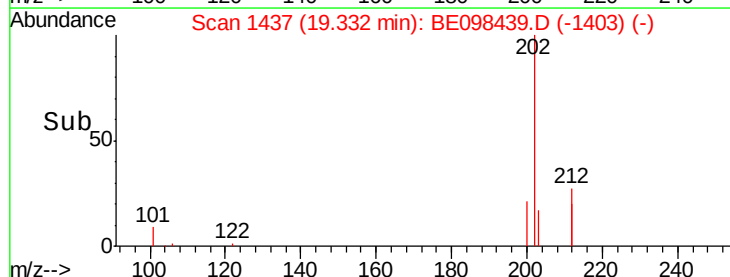
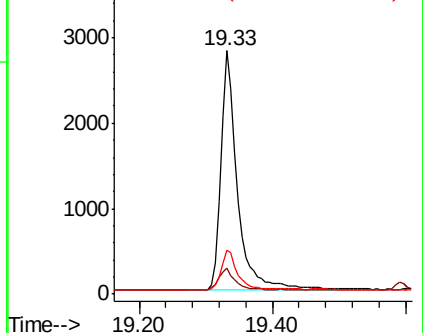
203 15.8 13.8 20.6

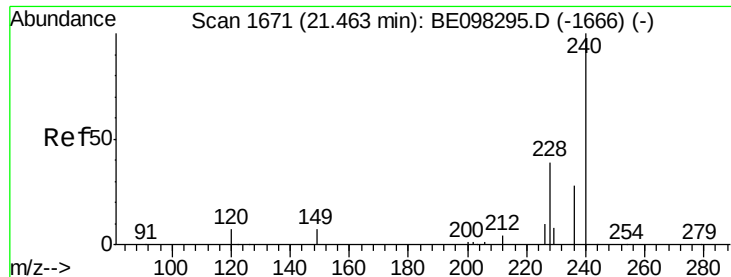


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

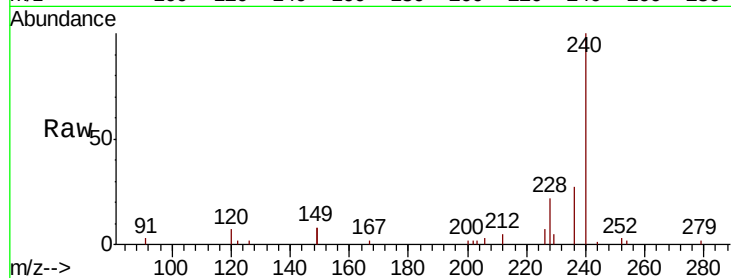
Tgt Ion:240 Resp: 7880

Ion Ratio Lower Upper

240 100

120 6.9 9.5 14.3#

236 27.2 22.7 34.1

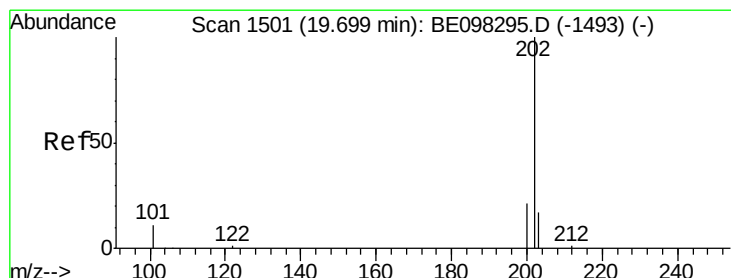
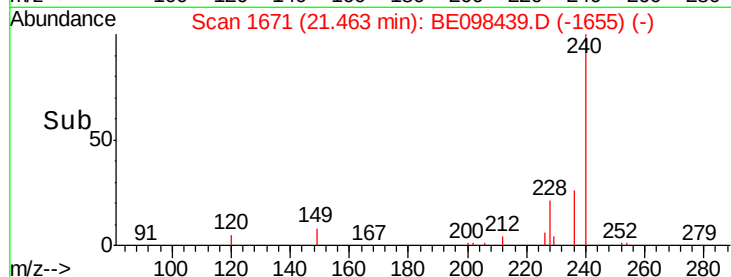
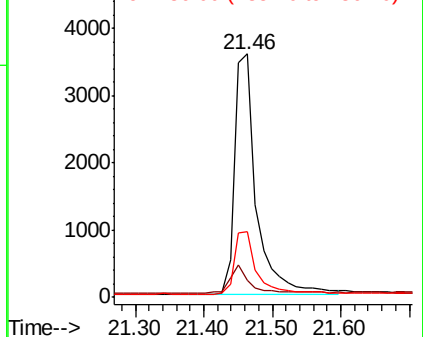


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.197 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

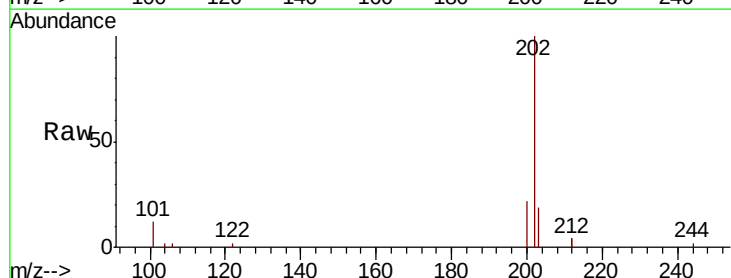
Tgt Ion:202 Resp: 4878

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.8 14.1 21.1

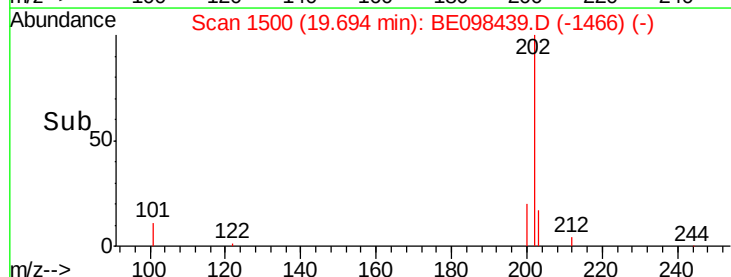
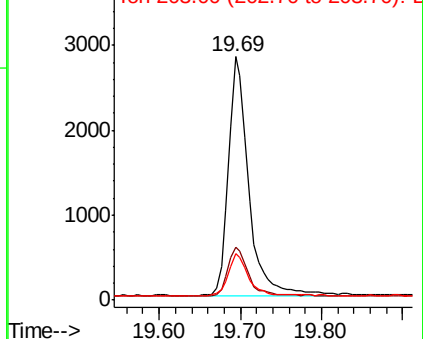


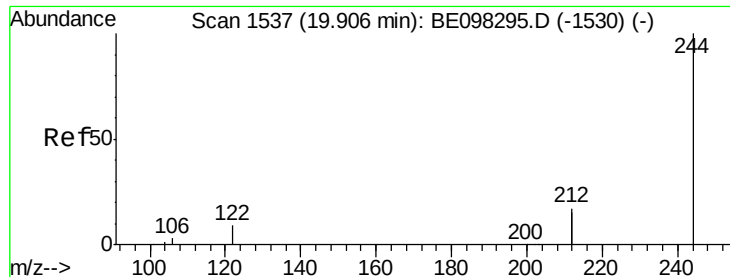
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.181 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

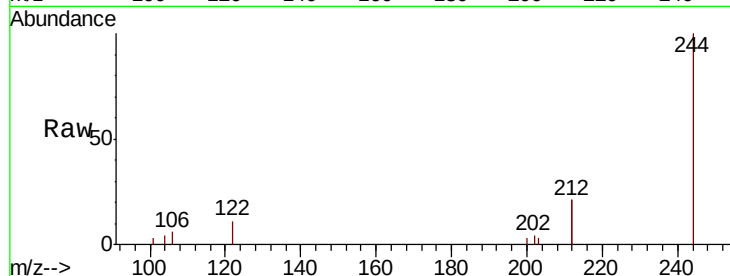
Tgt Ion:244 Resp: 3458

Ion Ratio Lower Upper

244 100

212 42.8 27.4 41.0#

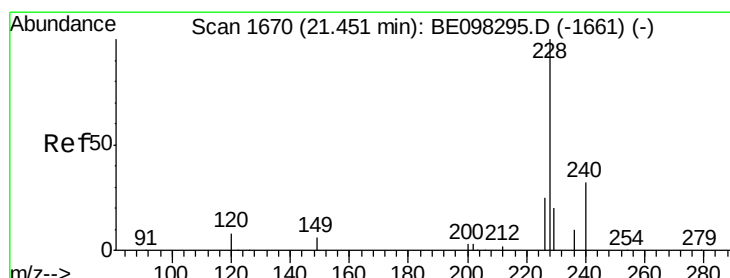
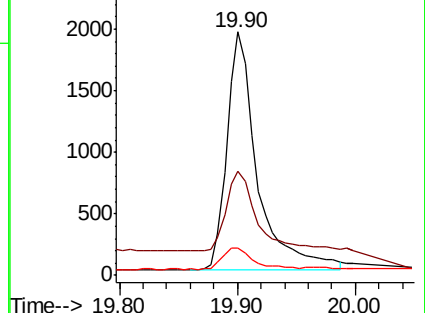
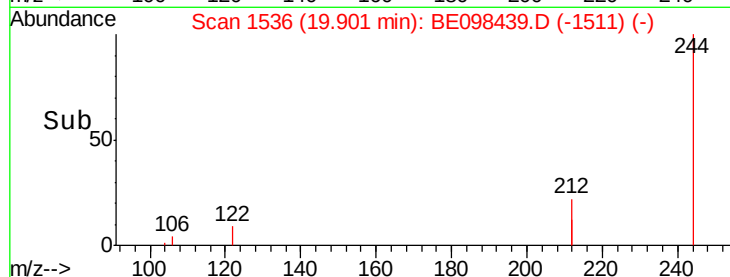
122 11.2 8.3 12.5



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: 0.223 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

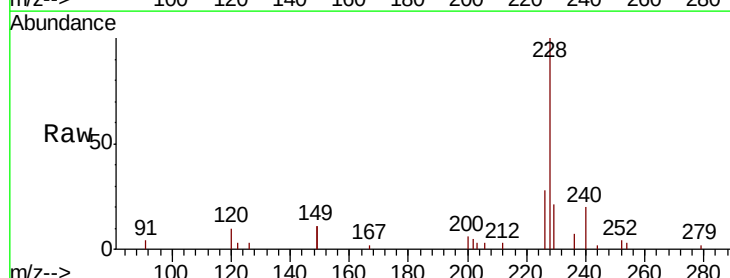
Tgt Ion:228 Resp: 5009

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

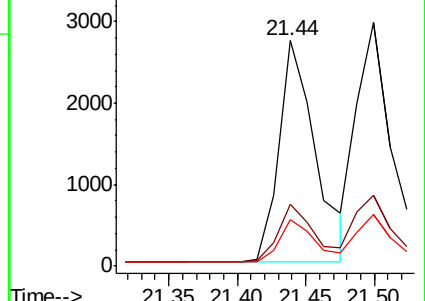
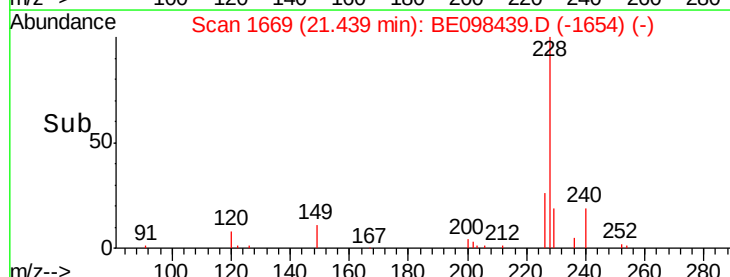
229 20.6 16.3 24.5

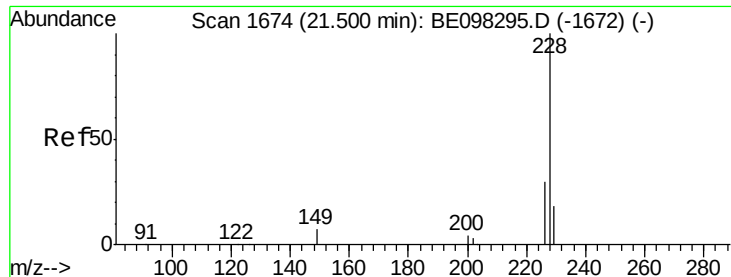


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.218 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

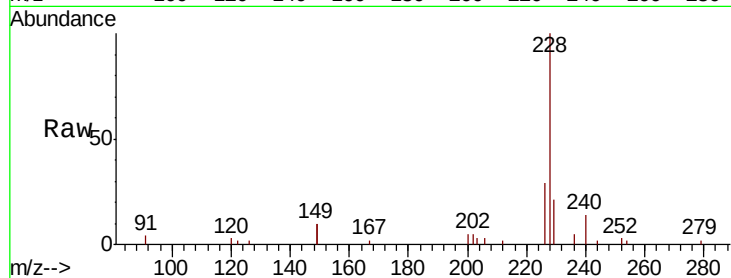
Tgt Ion:228 Resp: 5120

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

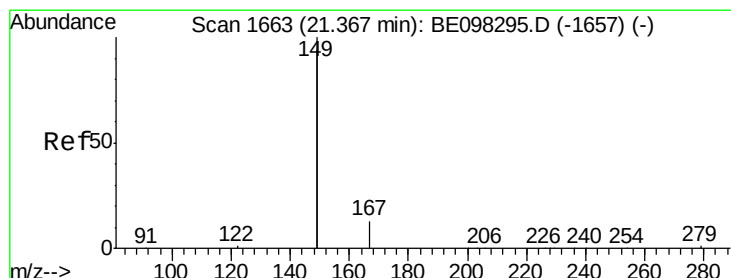
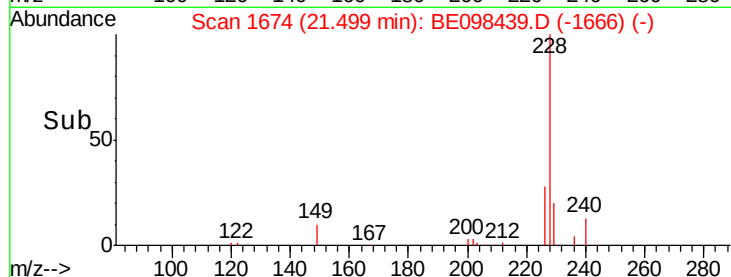
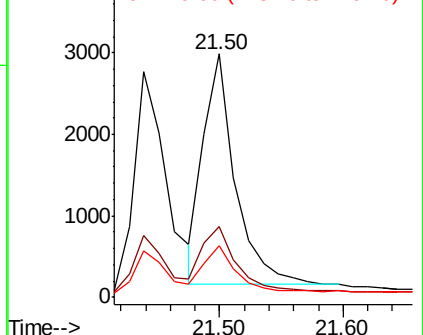
229 21.0 16.2 24.4



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: 0.164 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

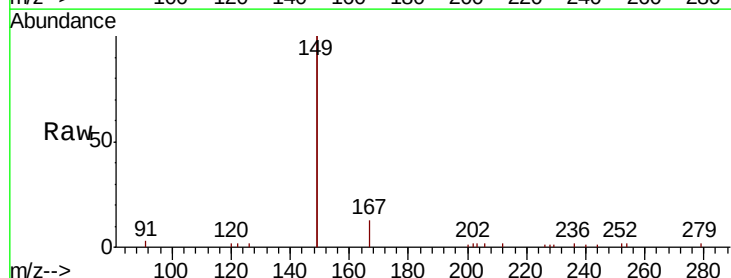
Tgt Ion:149 Resp: 7482

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

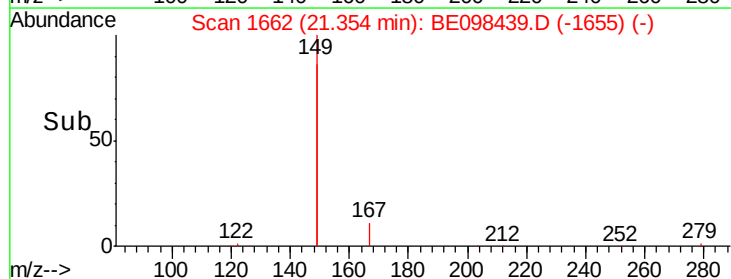
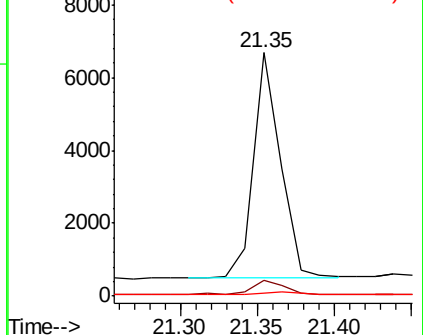
279 1.0 1.0 1.4

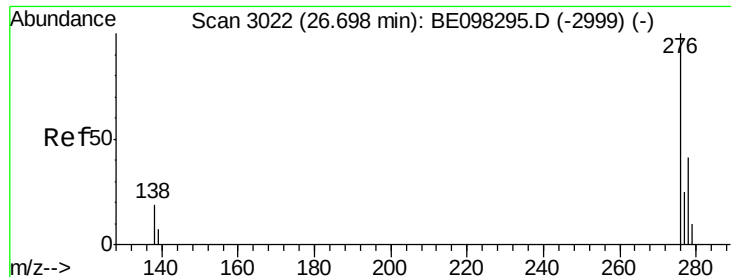


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

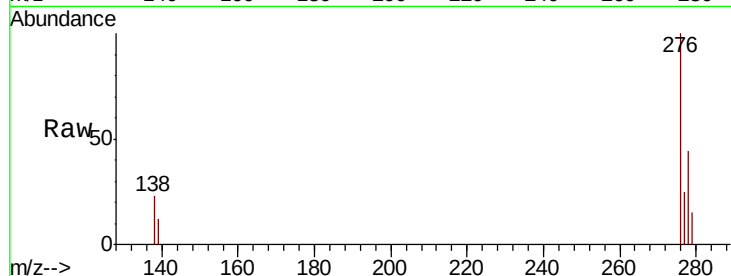




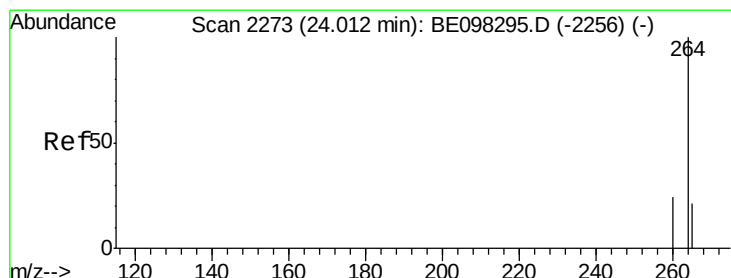
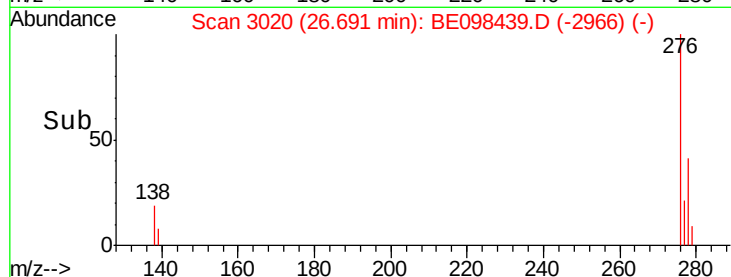
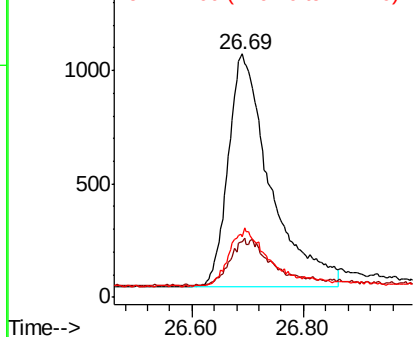
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.230 ng
 RT: 26.69 min Scan# 3020
 Delta R.T. -0.01 min
 Lab File: BE098439.D
 Acq: 14 Dec 2018 17:11

Instrument :
 BNA_G
 ClientSampleId :
 PB115633BSD

Tgt Ion: 276 Resp: 5382
 Ion Ratio Lower Upper
 276 100
 138 8.6 16.3 24.5#
 277 21.9 20.2 30.4

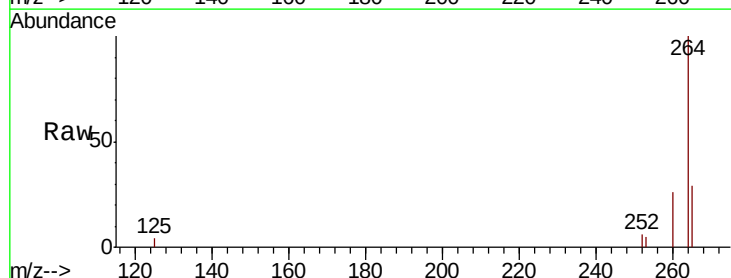


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

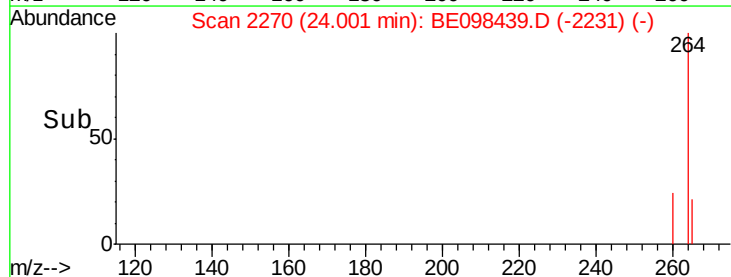
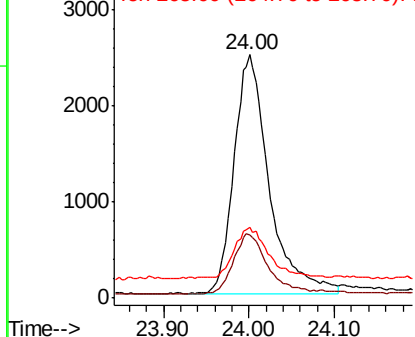


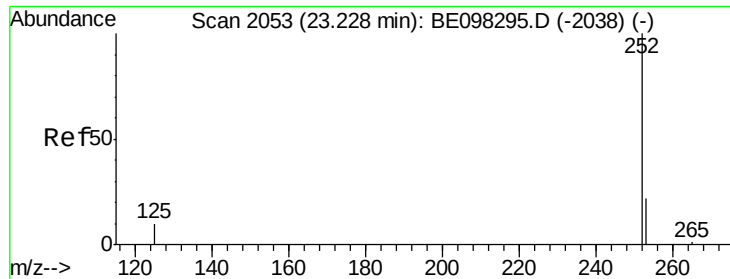
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BE098439.D
 Acq: 14 Dec 2018 17:11

Tgt Ion: 264 Resp: 7107
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.2 30.2
 265 29.2 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

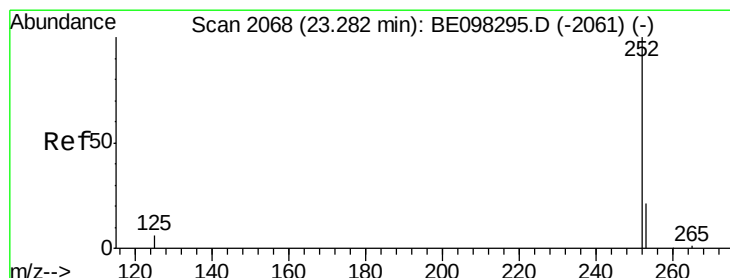
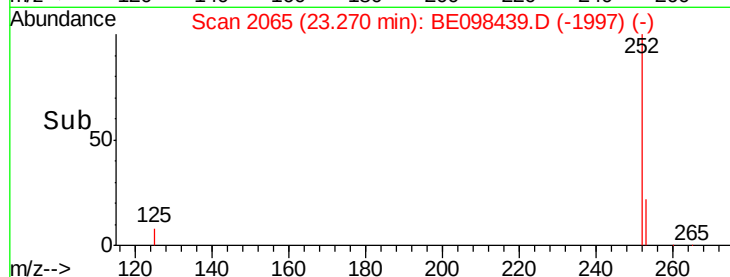
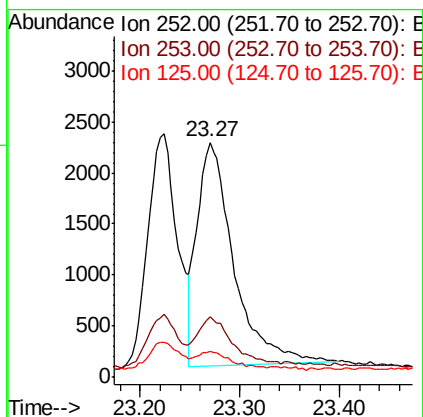
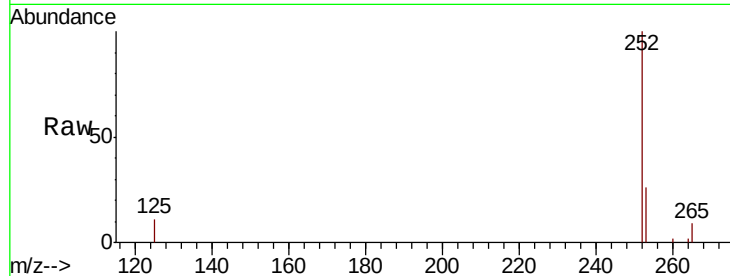




#35
Benzo(b)fluoranthene
Concen: 0.287 ng
RT: 23.27 min Scan# 2065
Delta R.T. 0.04 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

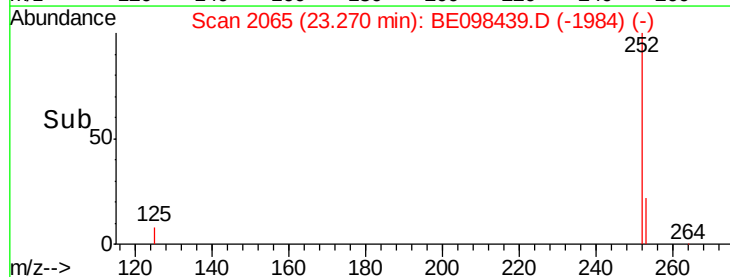
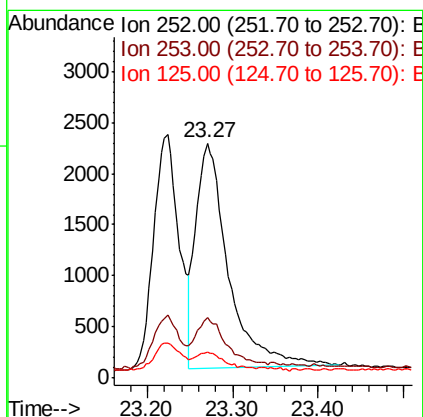
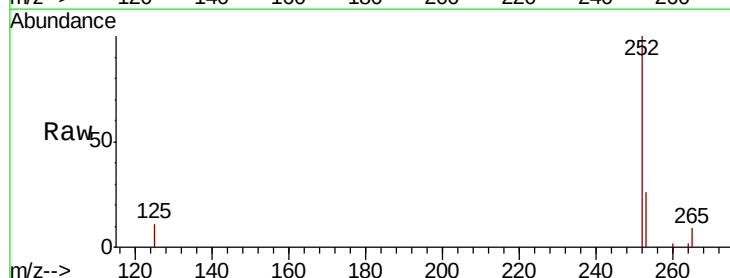
Instrument :
BNA_G
ClientSampleId :
PB115633BSD

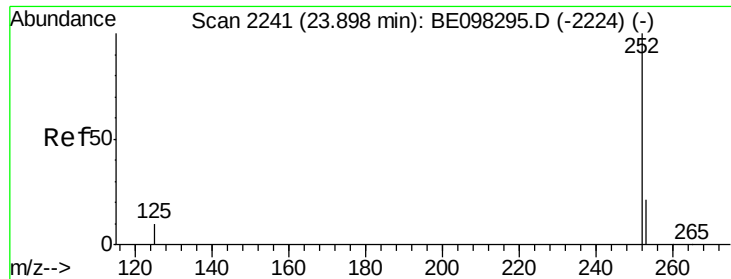
Tgt Ion:252 Resp: 5580
Ion Ratio Lower Upper
252 100
253 25.6 20.0 30.0
125 11.4 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.255 ng
RT: 23.27 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BE098439.D
Acq: 14 Dec 2018 17:11

Tgt Ion:252 Resp: 5775
Ion Ratio Lower Upper
252 100
253 25.6 19.0 28.6
125 11.4 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.243 ng

RT: 23.89 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD

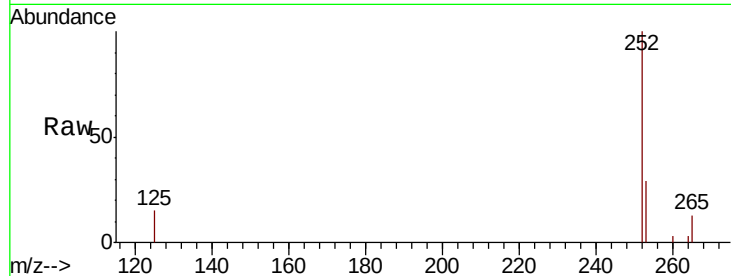
Tgt Ion:252 Resp: 4869

Ion Ratio Lower Upper

252 100

253 29.1 20.6 30.8

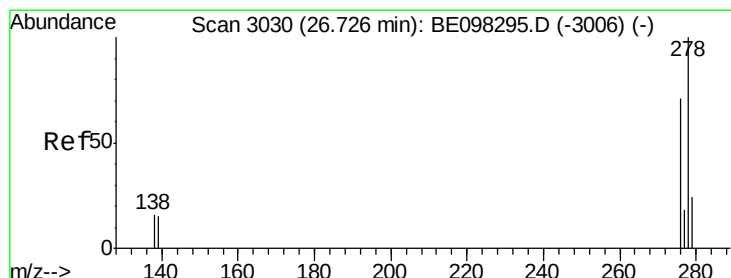
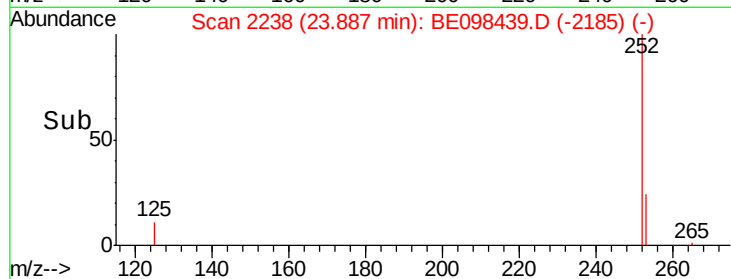
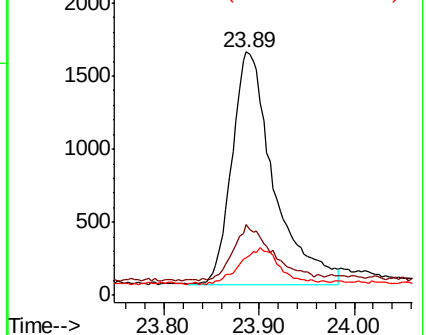
125 15.3 10.5 15.7



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: 0.216 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.01 min

Lab File: BE098439.D

Acq: 14 Dec 2018 17:11

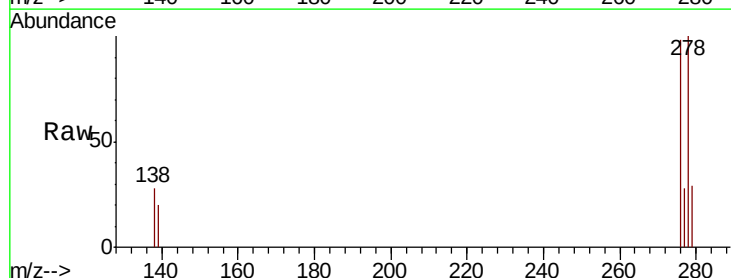
Tgt Ion:278 Resp: 4080

Ion Ratio Lower Upper

278 100

139 19.8 14.5 21.7

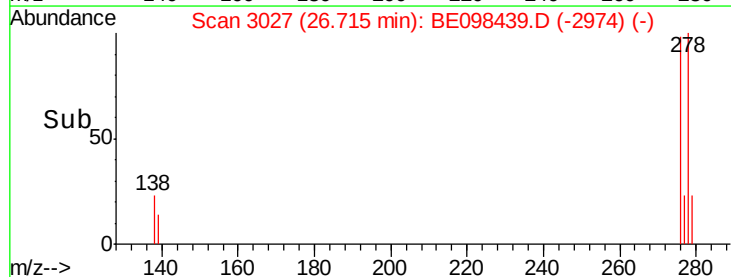
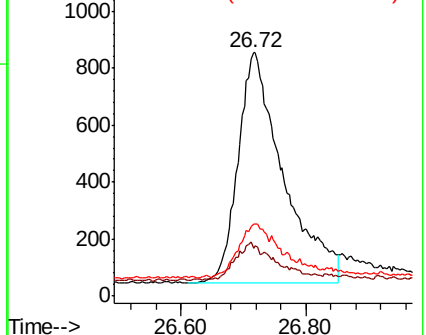
279 29.4 21.8 32.8

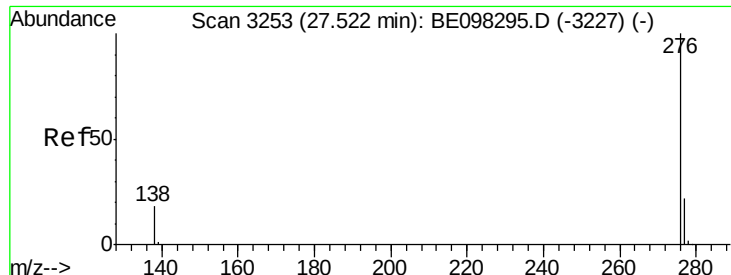


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.233 ng

RT: 27.51 min Scan# 3250

Delta R.T. -0.01 min

Lab File: BE098439.D

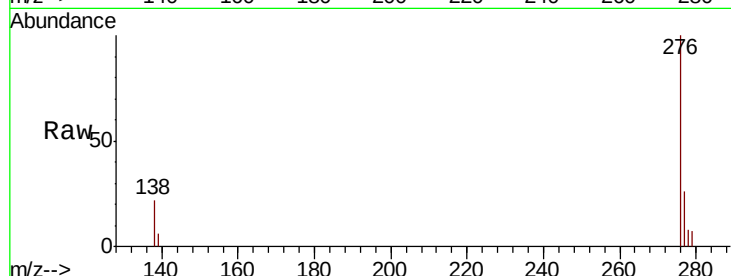
Acq: 14 Dec 2018 17:11

Instrument :

BNA_G

ClientSampleId :

PB115633BSD



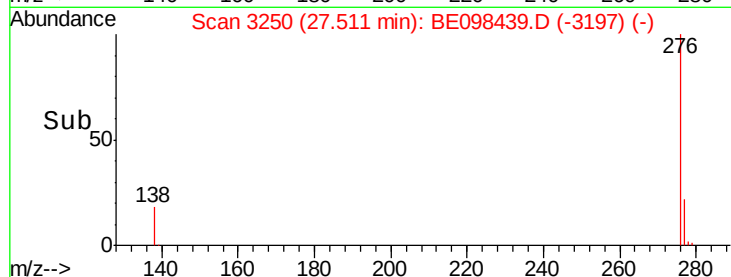
Tgt Ion: 276 Resp: 4438

Ion Ratio Lower Upper

276 100

277 26.2 20.8 31.2

138 22.4 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

