

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_E
 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

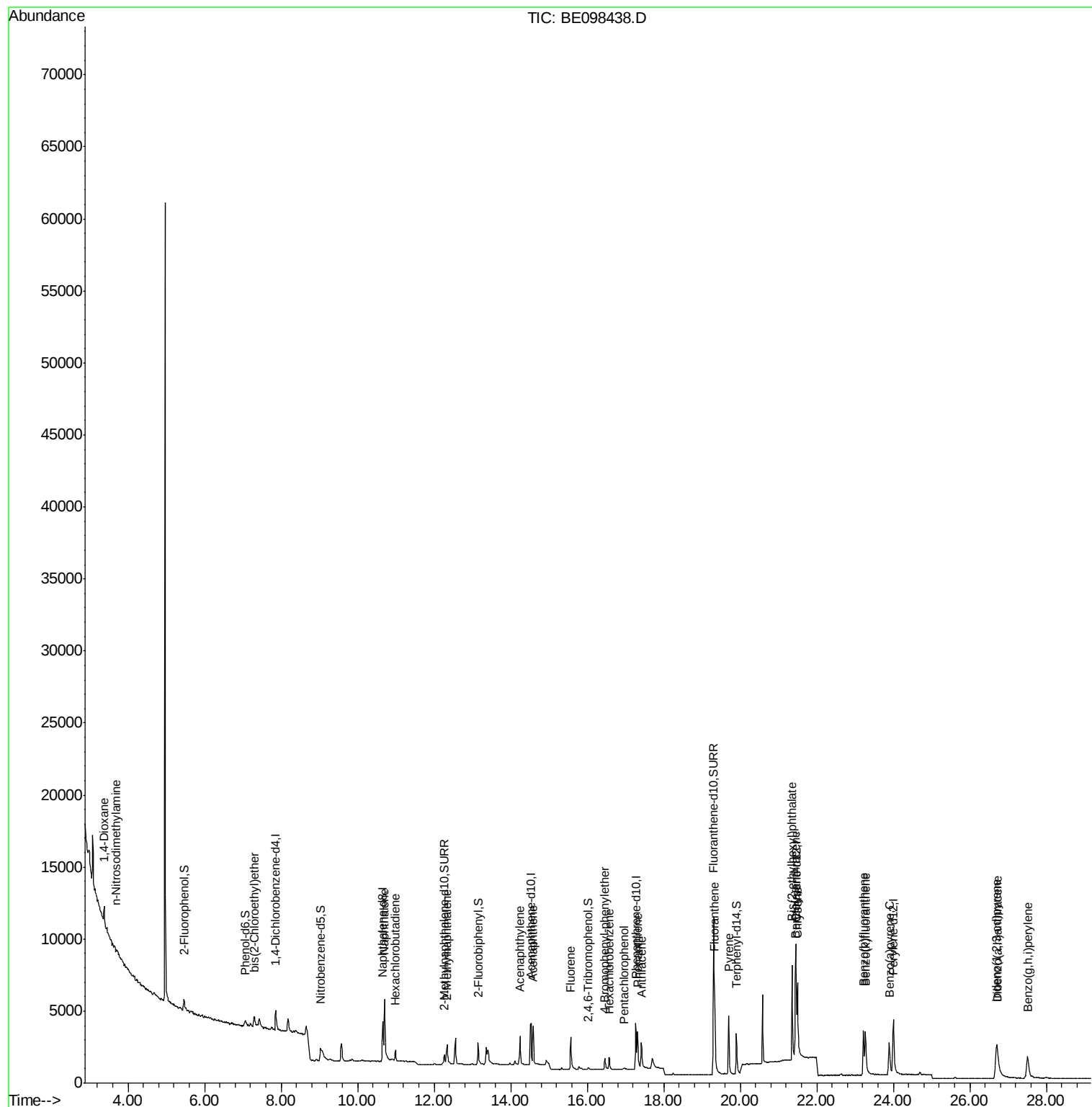
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	594	0.374	ng	# 55
3) n-Nitrosodimethylamine	3.69	42	317	0.222	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	522	0.181	ng	# 89
9) Naphthalene	10.71	128	8896	0.230	ng	# 97
10) Hexachlorobutadiene	10.99	225	540	0.220	ng	# 95
12) 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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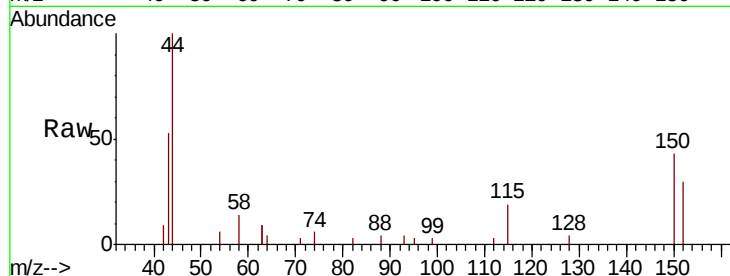


#1

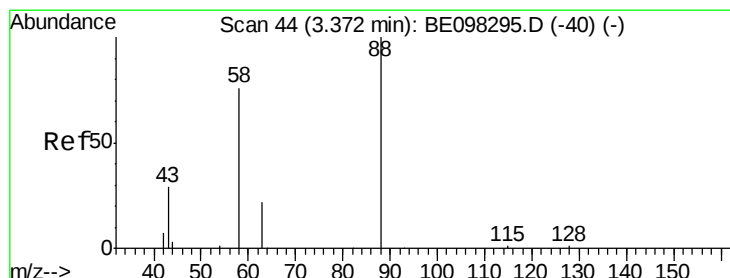
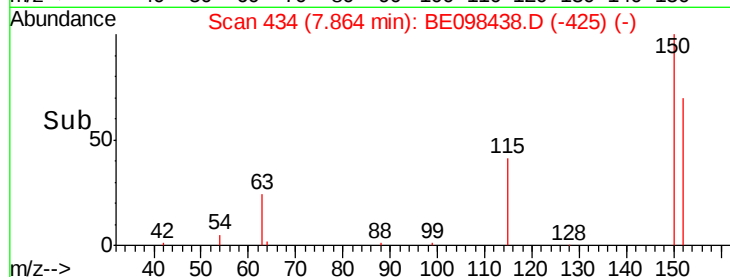
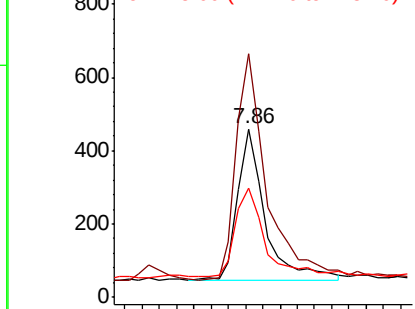
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_E
ClientSampleId :
PB115633BS

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



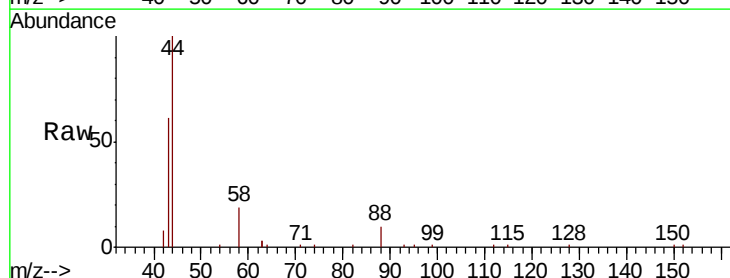
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



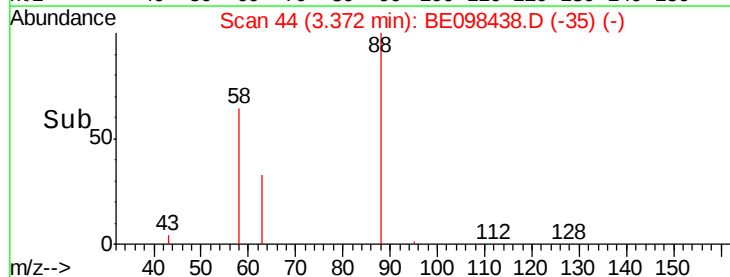
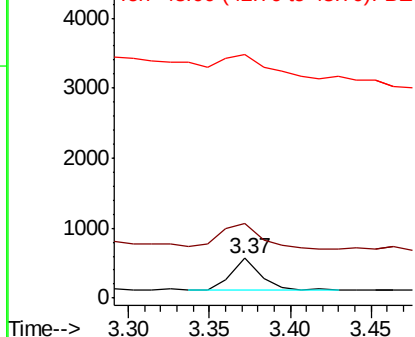
#2

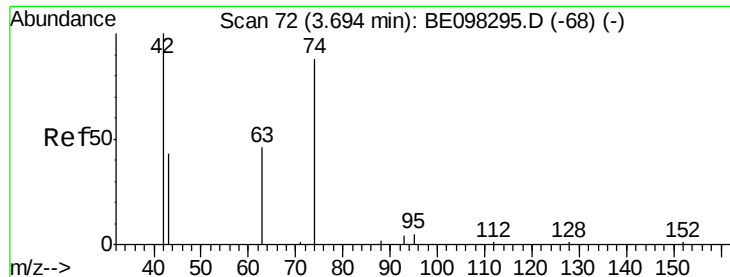
1,4-Dioxane
Concen: 0.374 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Tgt Ion	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





#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_E

ClientSampleId :

PB115633BS

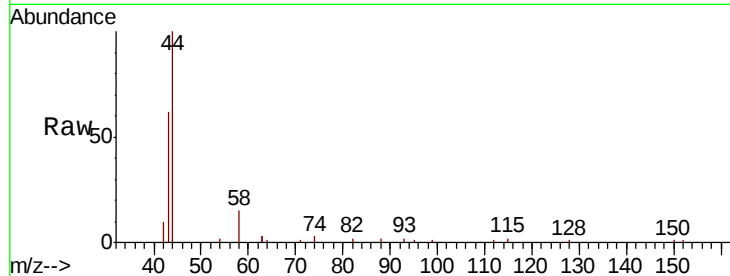
Tgt Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

74 77.3 0.0 0.0#

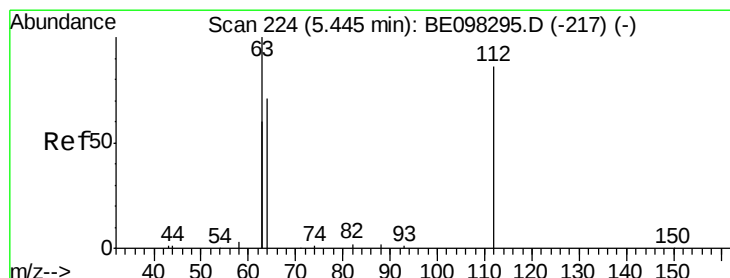
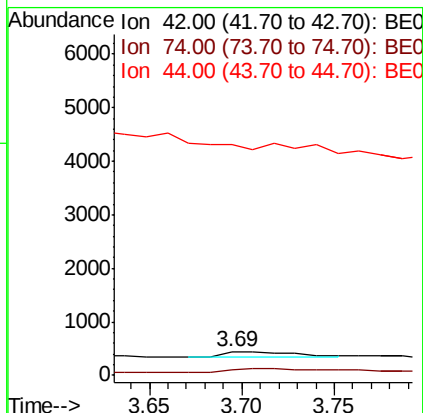
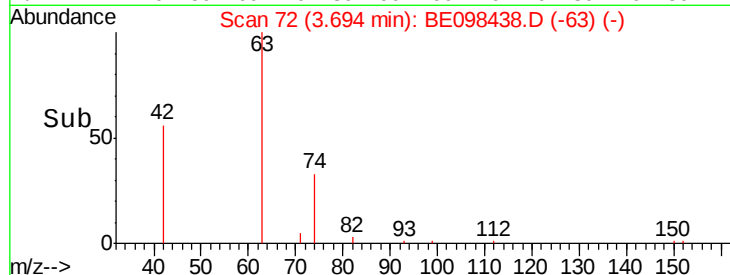
44 0.0 0.0 0.0



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

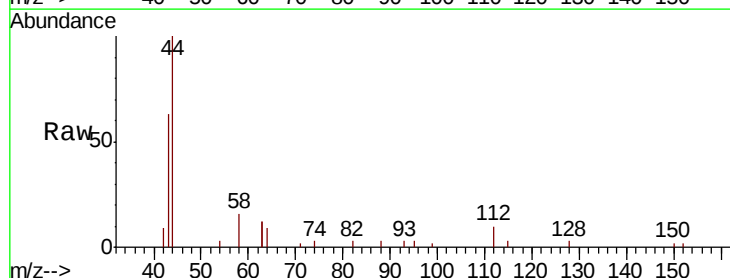
Tgt Ion: 112 Resp: 607

Ion Ratio Lower Upper

112 100

64 77.9 59.8 89.8

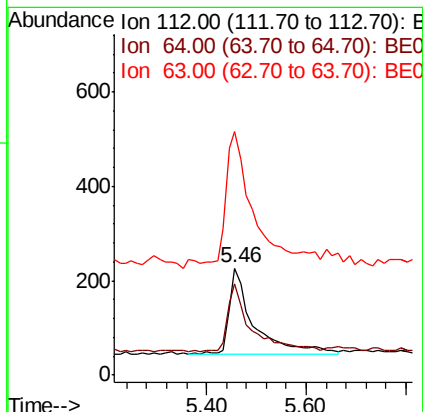
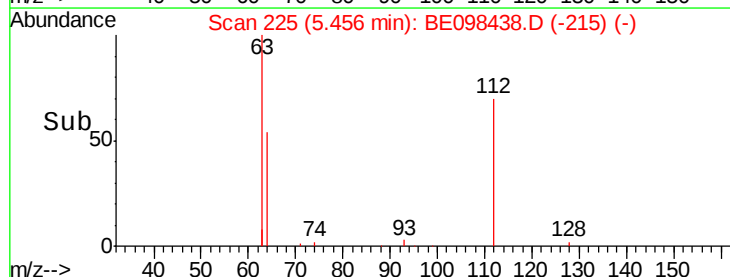
63 157.8 133.7 200.5

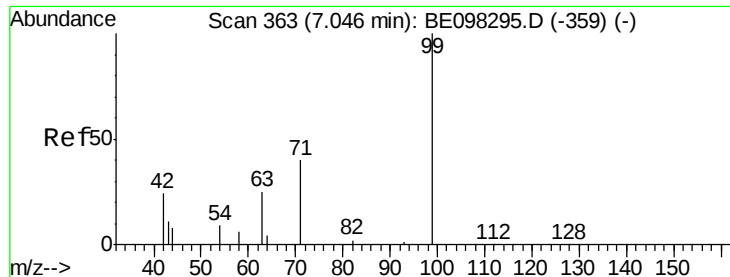


Abundance Ion 112.00 (111.70 to 112.70): E

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_E

ClientSampleId :

PB115633BS

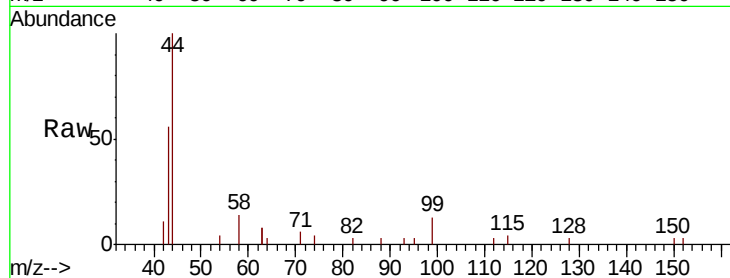
Tgt Ion: 99 Resp: 761

Ion Ratio Lower Upper

99 100

42 25.0 26.3 39.5#

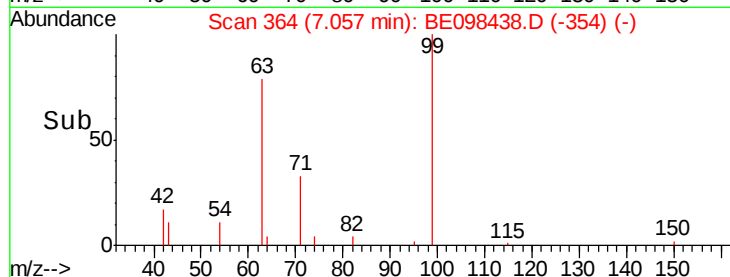
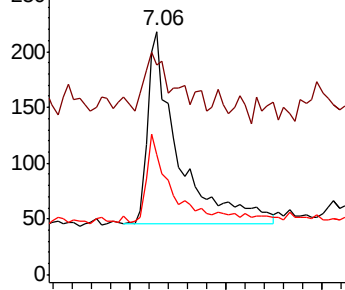
71 34.6 33.6 50.4



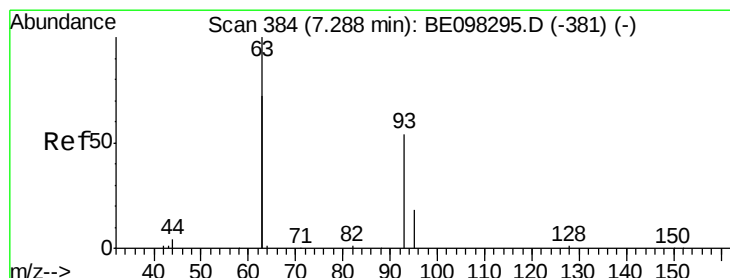
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#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

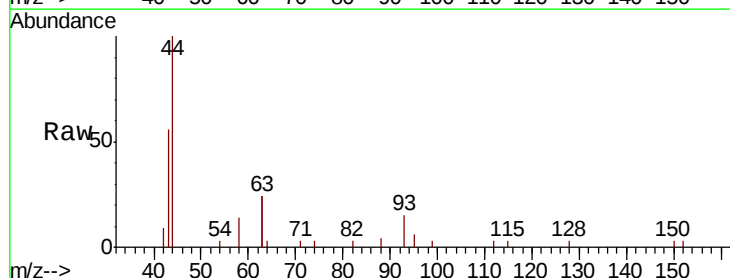
Tgt Ion: 93 Resp: 522

Ion Ratio Lower Upper

93 100

63 306.1 264.4 396.6

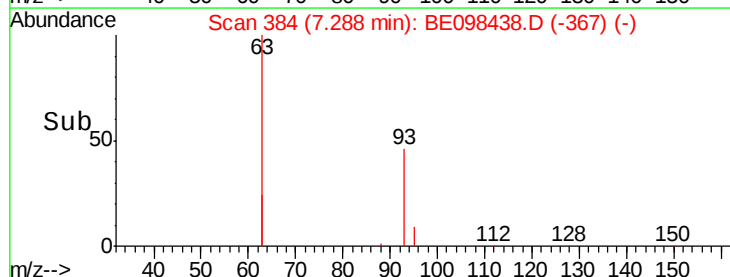
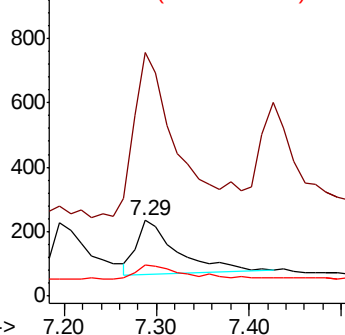
95 34.3 26.6 40.0



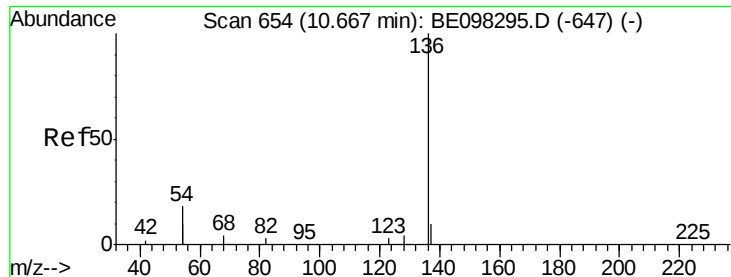
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->



#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_E

ClientSampleId :

PB115633BS

Tgt Ion:136 Resp: 3837

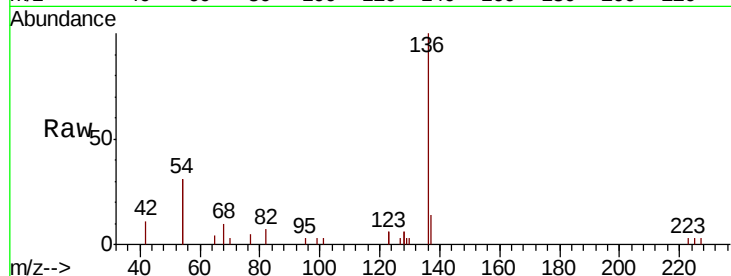
Ion Ratio Lower Upper

136 100

137 13.7 9.2 13.8

54 62.3 28.4 42.6#

68 9.8 5.4 8.0#

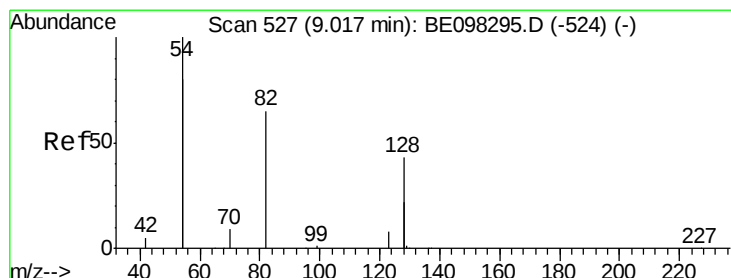
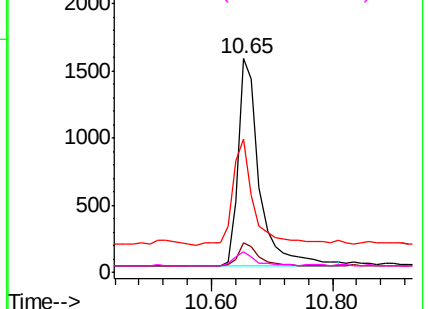
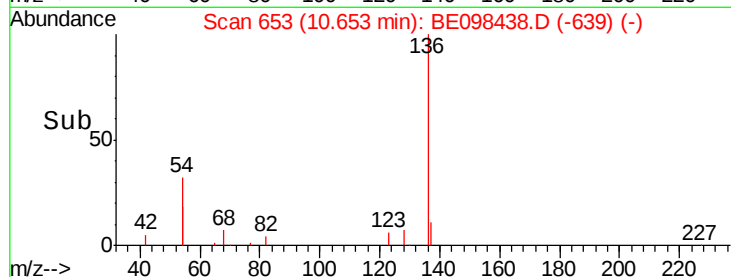


Abundance Ion 136.00 (135.70 to 136.70): E

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

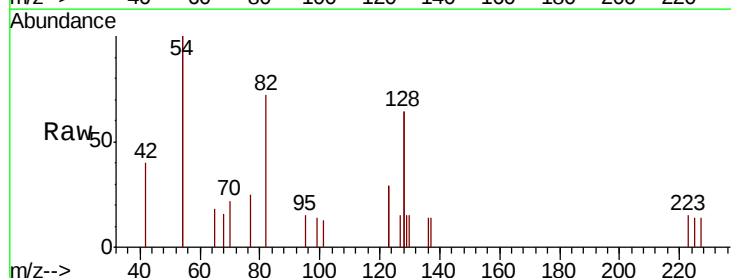
Tgt Ion: 82 Resp: 745

Ion Ratio Lower Upper

82 100

128 177.3 102.4 153.6#

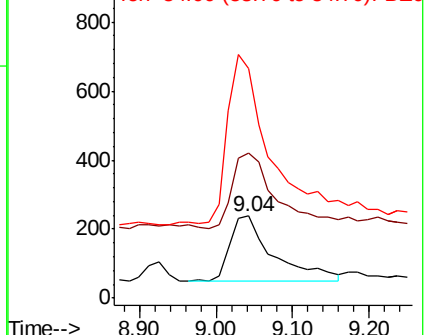
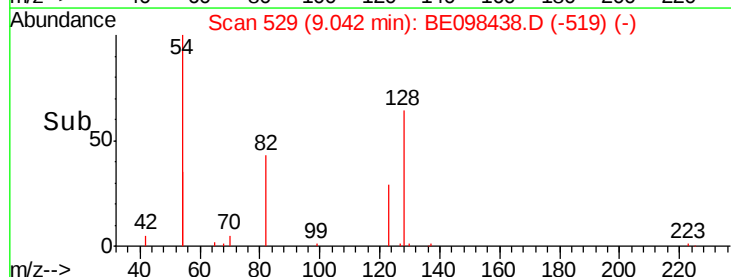
54 279.0 221.8 332.8

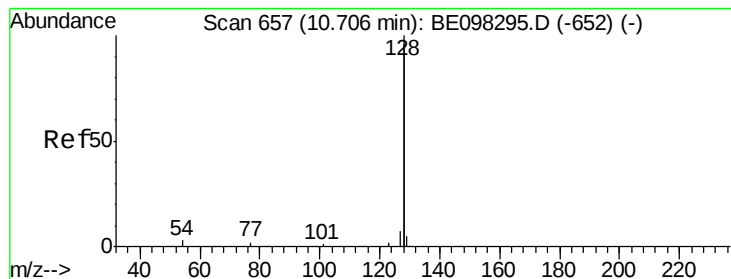


Abundance Ion 82.00 (81.70 to 82.70): BE0

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 :

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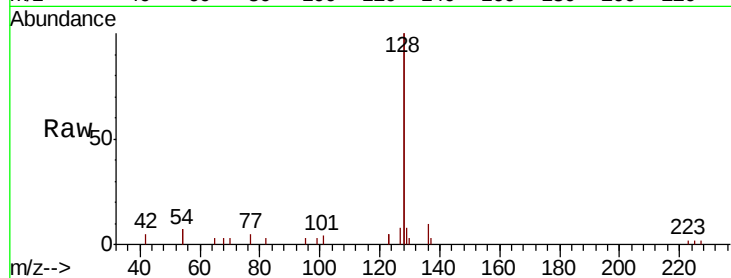
Tgt Ion:128 Resp: 8896

Ion Ratio Lower Upper

128 100

129 4.1 2.5 3.7#

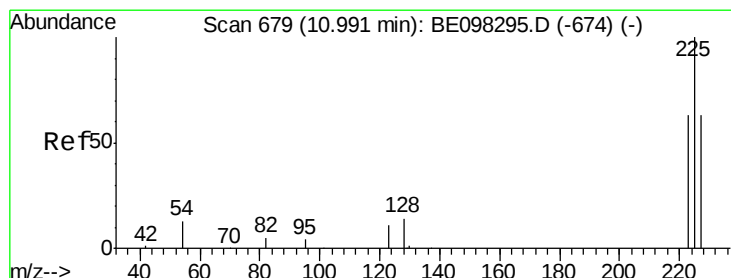
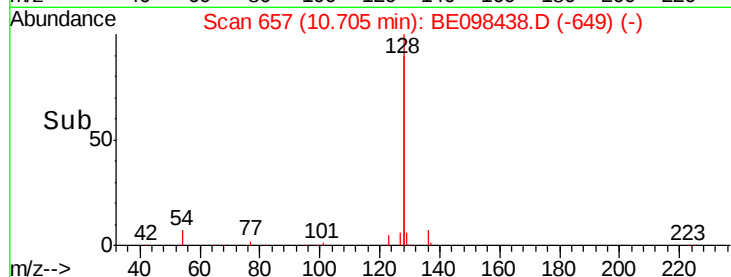
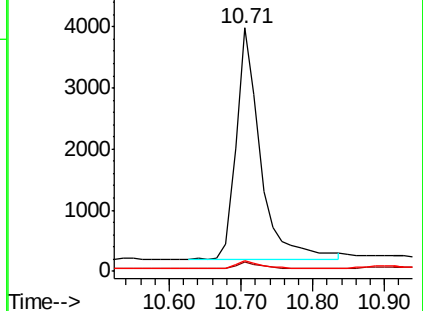
127 4.2 2.7 4.1#



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

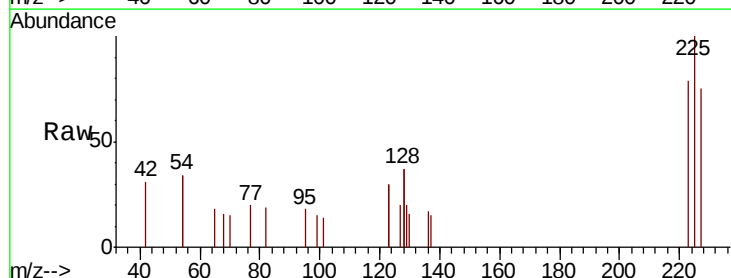
Tgt Ion:225 Resp: 540

Ion Ratio Lower Upper

225 100

223 67.8 49.4 74.0

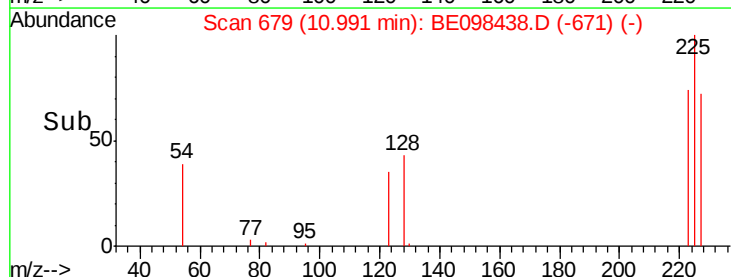
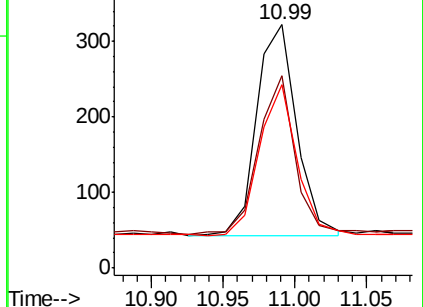
227 67.0 52.0 78.0

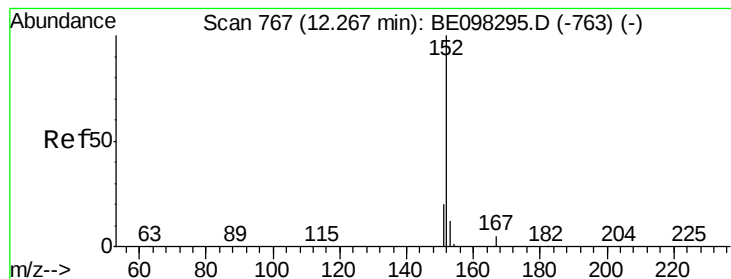


Abundance Ion 225.00 (224.70 to 225.70): E

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 :

BNA_E

ClientSampleId :

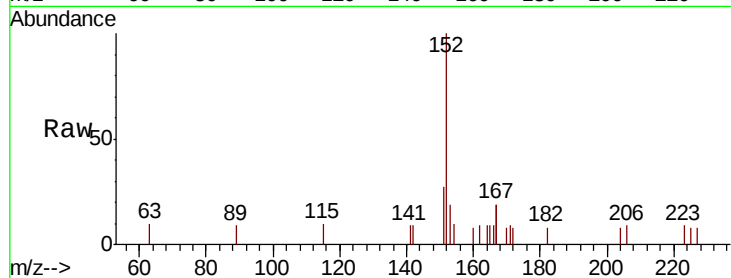
PB115633BS

Tgt Ion:152 Resp: 1478

Ion Ratio Lower Upper

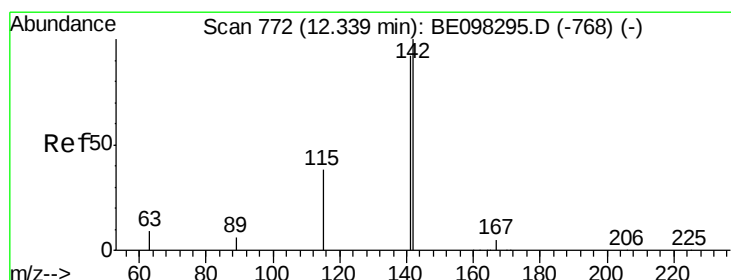
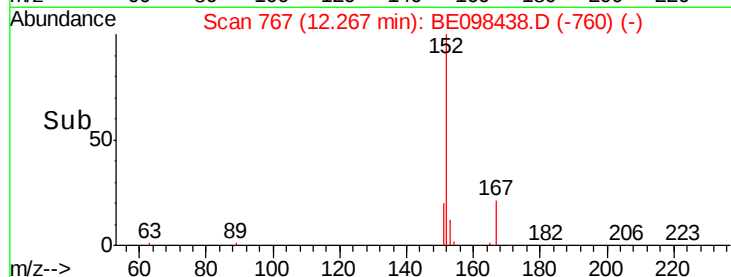
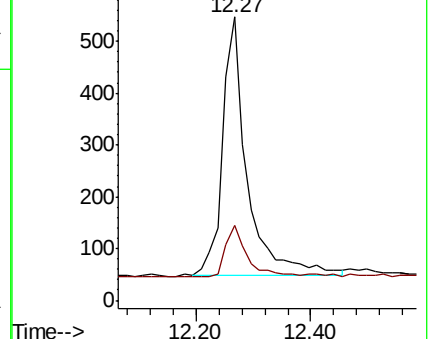
152 100

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

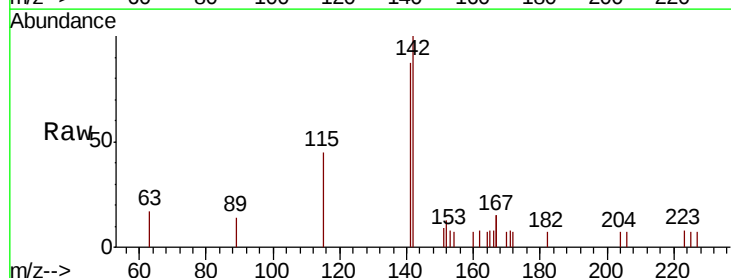
Tgt Ion:142 Resp: 1354

Ion Ratio Lower Upper

142 100

141 87.2 71.0 106.6

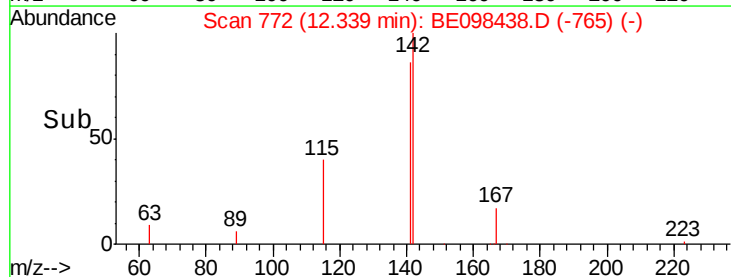
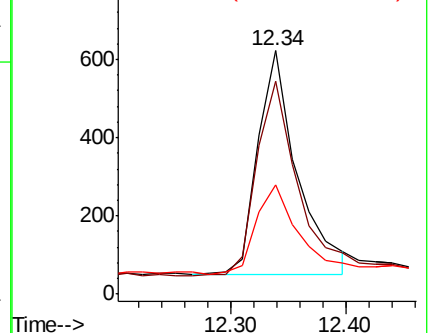
115 44.6 32.2 48.2

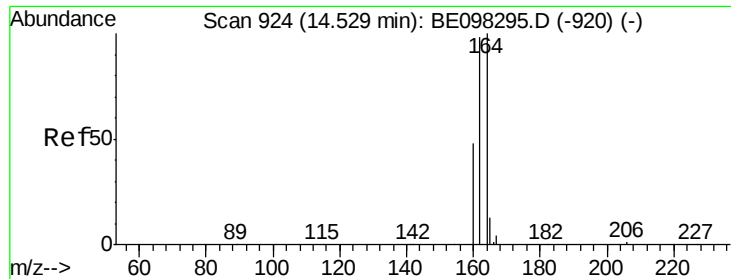


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

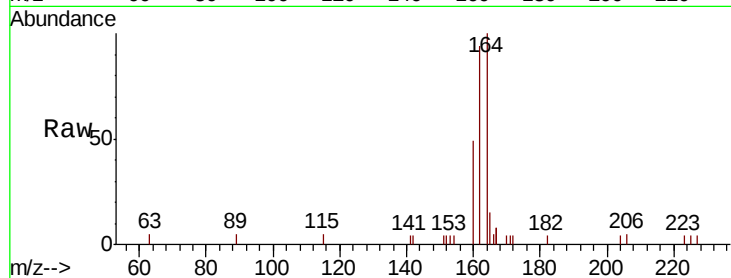




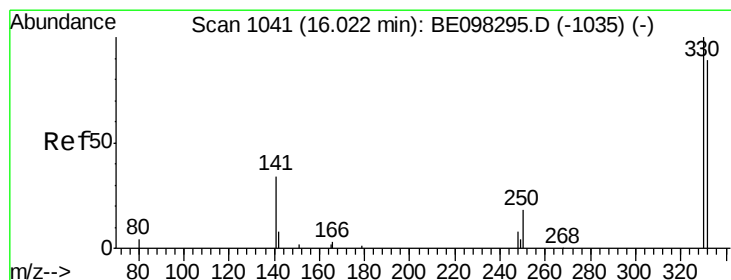
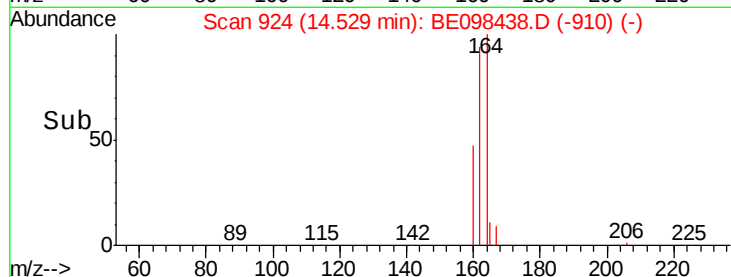
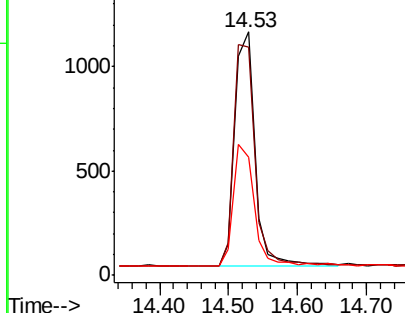
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Instrument :
 BNA_E
 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

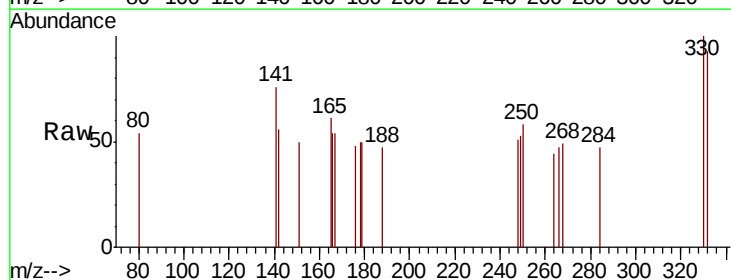


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

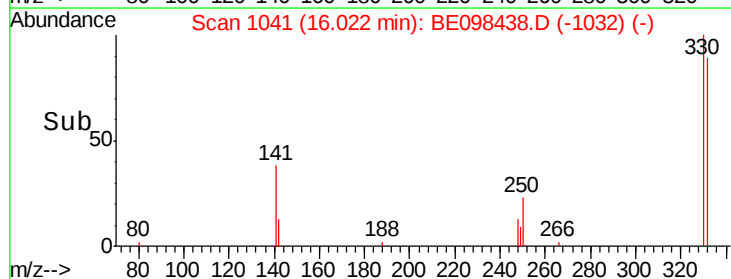
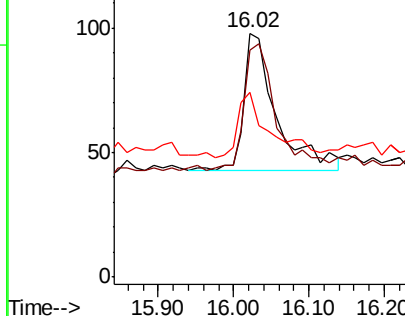


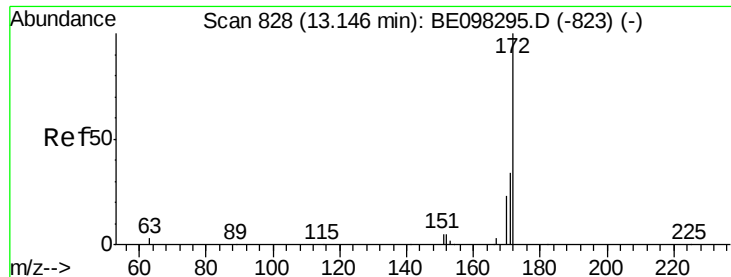
#14
 2,4,6-Tribromophenol
 Concen: 0.197 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

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

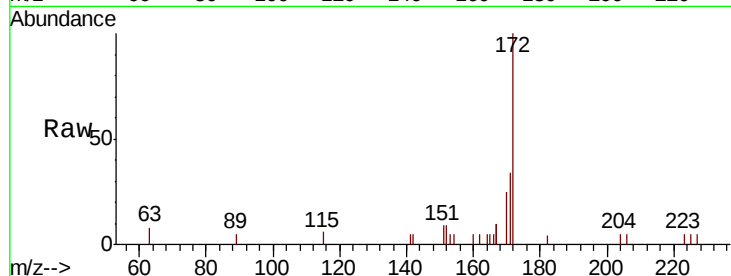




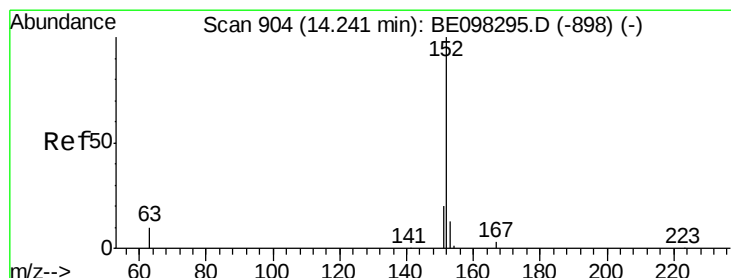
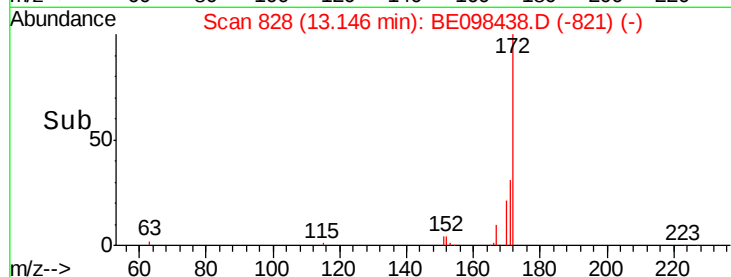
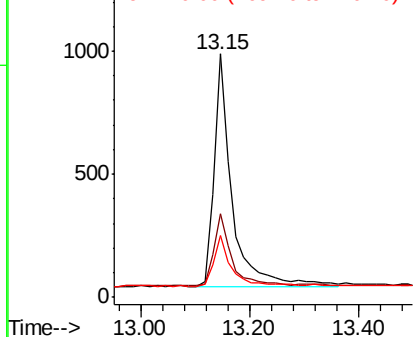
#15
2-Fluorobiphenyl
Concen: 0.229 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_E
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

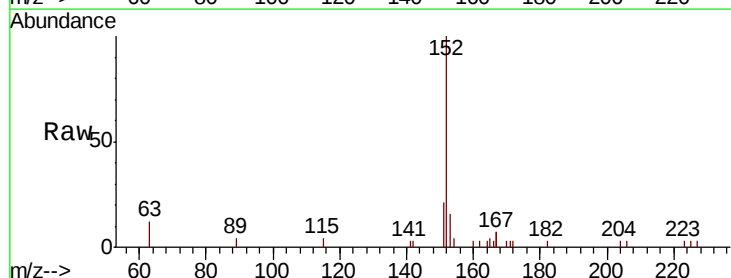


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

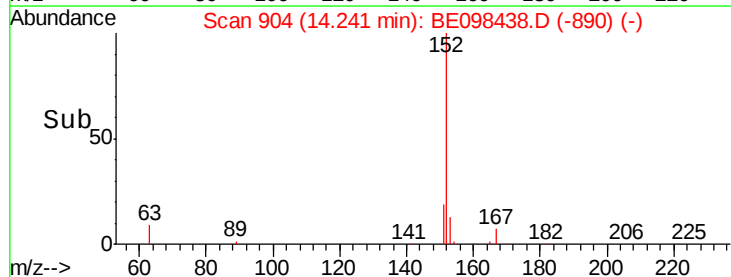
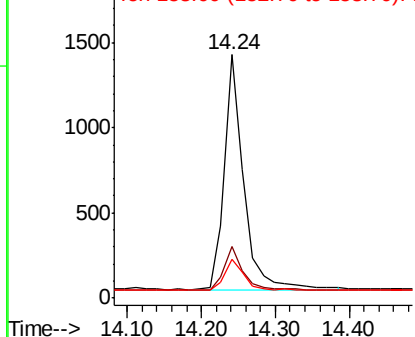


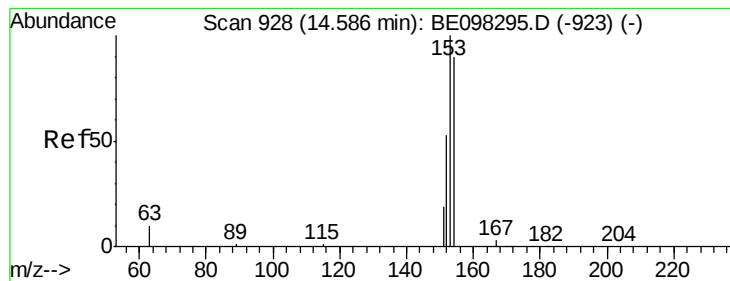
#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

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_E

ClientSampleId :

PB115633BS

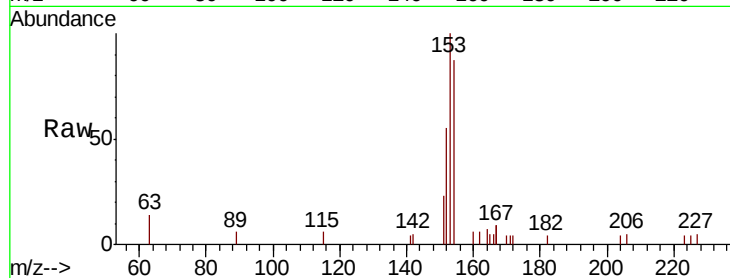
Tgt Ion:154 Resp: 1365

Ion Ratio Lower Upper

154 100

153 119.4 91.8 137.6

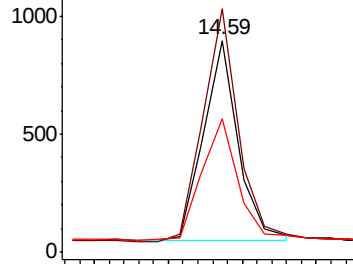
152 63.6 45.5 68.3



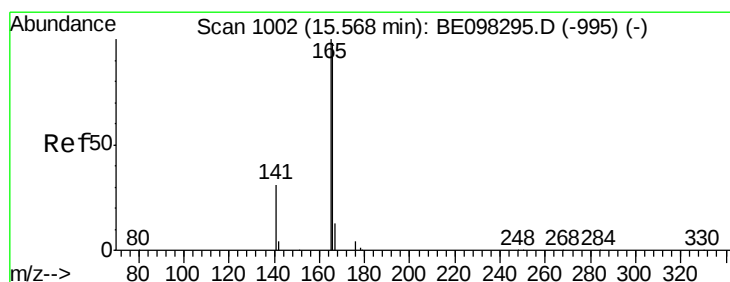
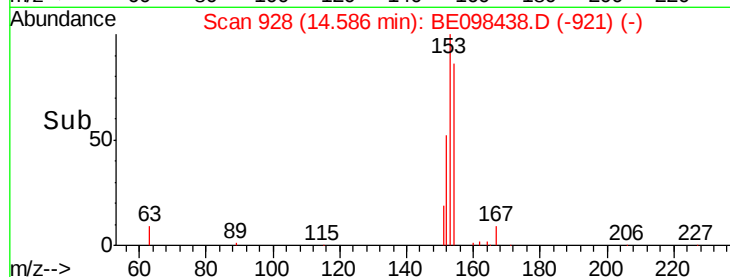
Abundance Ion 154.00 (153.70 to 154.70): E

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

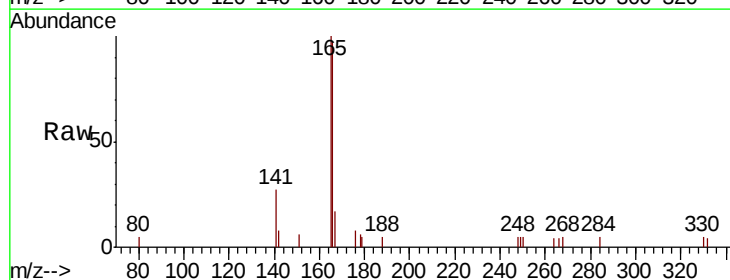
Tgt Ion:166 Resp: 1856

Ion Ratio Lower Upper

166 100

165 102.0 79.3 118.9

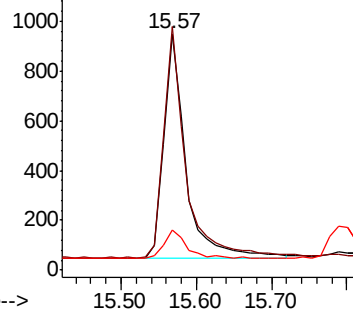
167 13.1 11.3 16.9



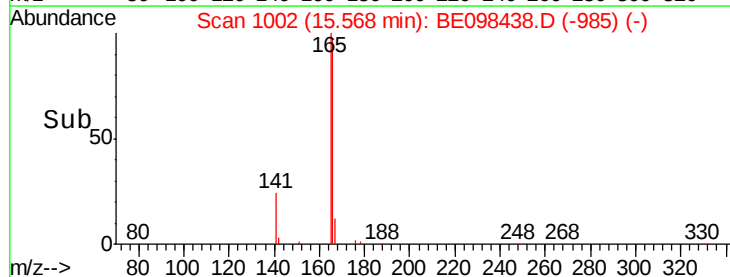
Abundance Ion 166.00 (165.70 to 166.70): E

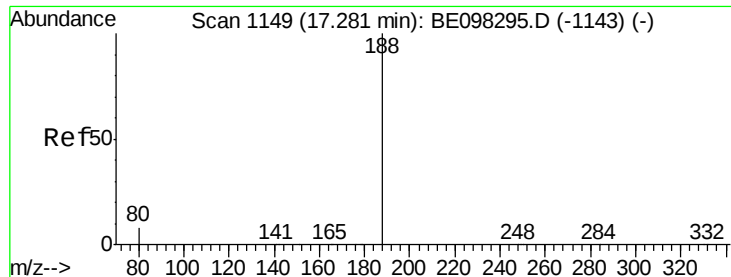
Ion 165.00 (164.70 to 165.70): E

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_E

ClientSampleId :

PB115633BS

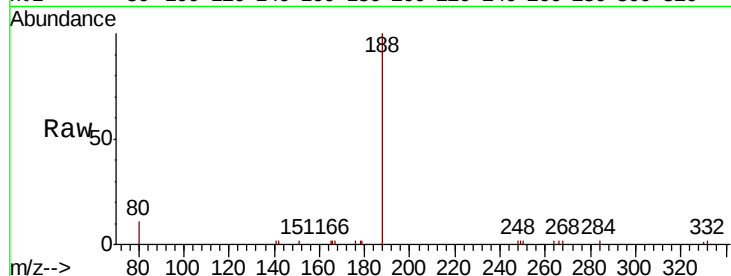
Tgt Ion:188 Resp: 5902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

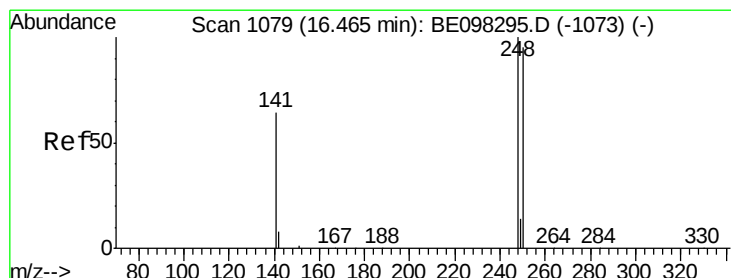
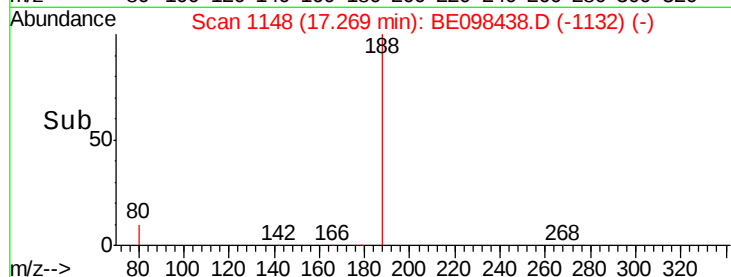
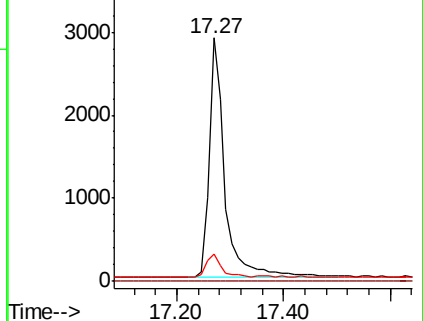
80 11.3 7.2 10.8#



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

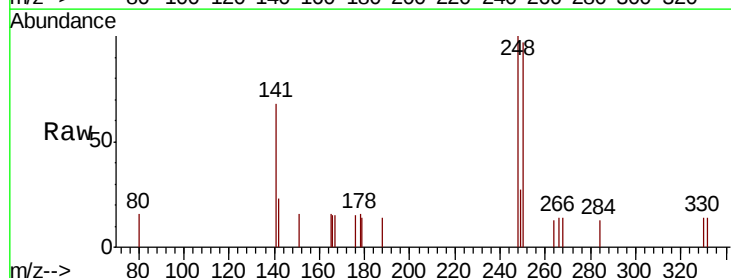
Tgt Ion:248 Resp: 580

Ion Ratio Lower Upper

248 100

250 96.7 71.0 106.6

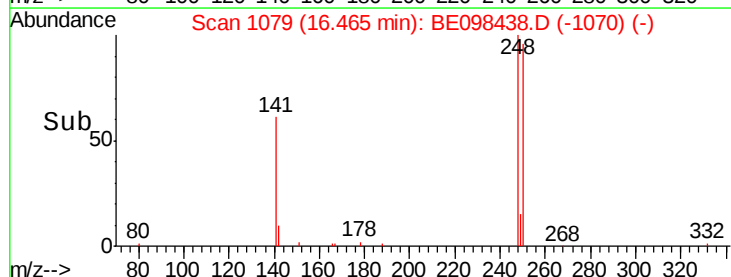
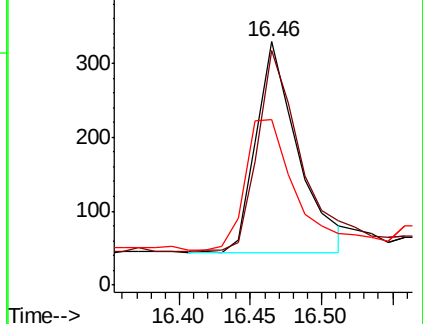
141 68.1 62.1 93.1

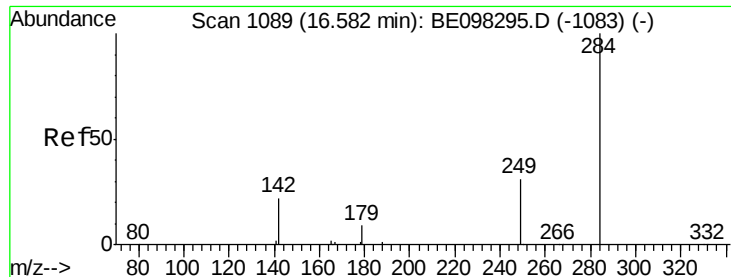


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

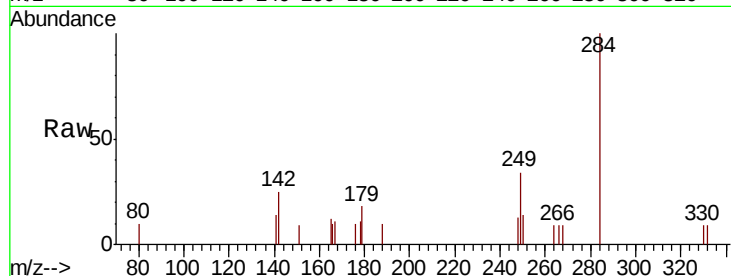




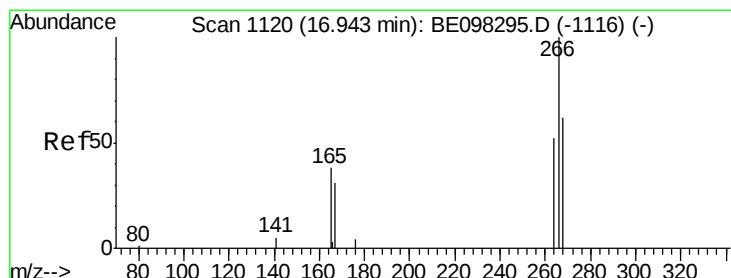
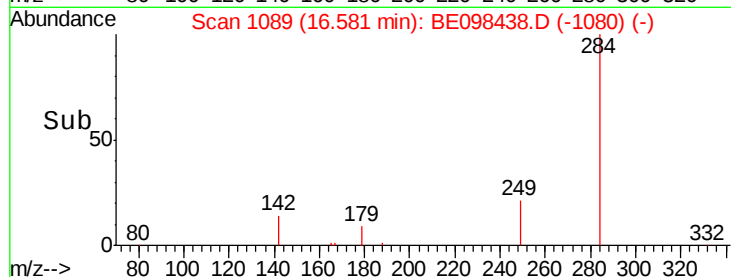
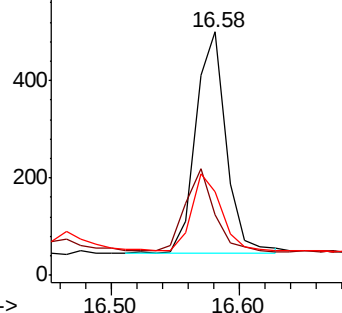
#21
Hexachlorobenzene
Concen: 0.222 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

Instrument :
BNA_E
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

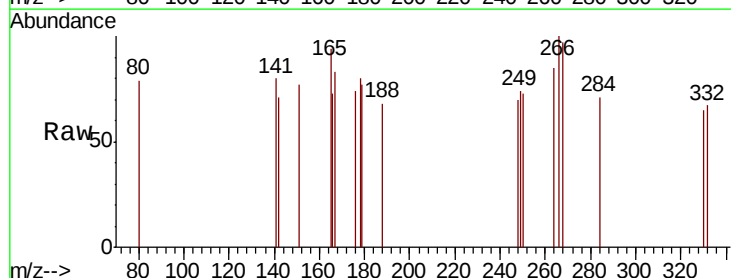


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

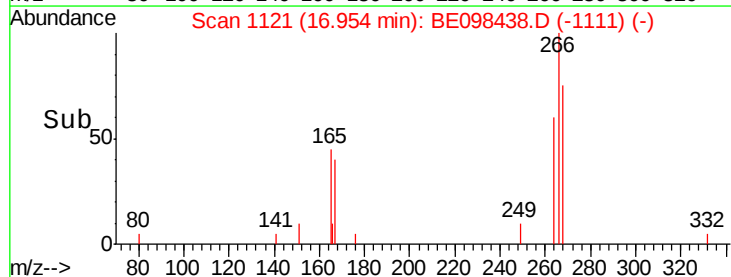
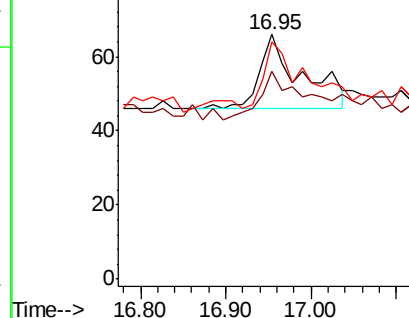


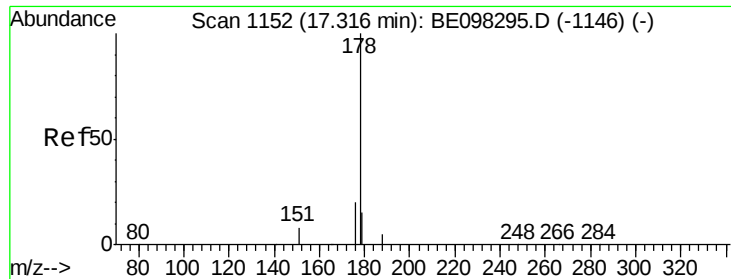
#22
Pentachlorophenol
Concen: 0.146 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098438.D
Acq: 14 Dec 2018 16:32

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

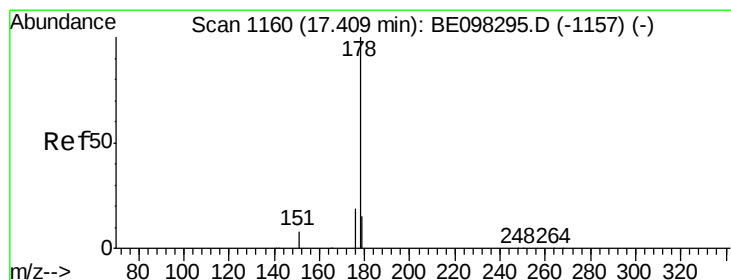
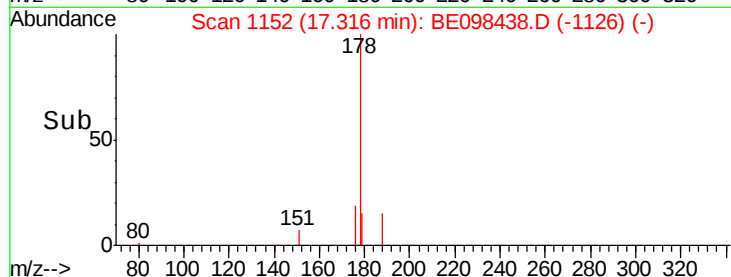
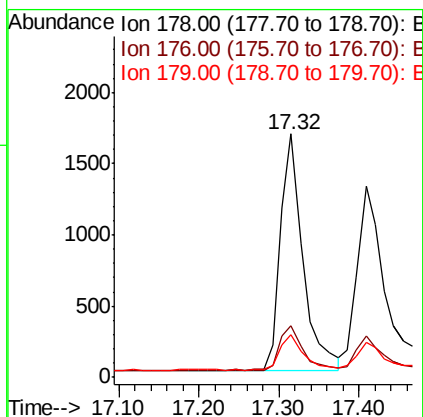
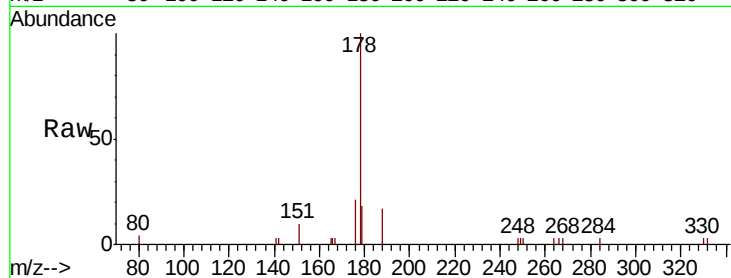
Instrument :

BNA_E

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

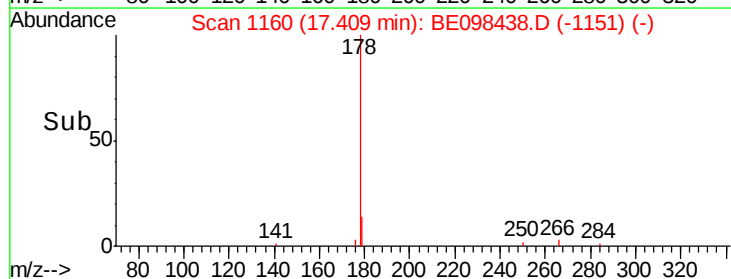
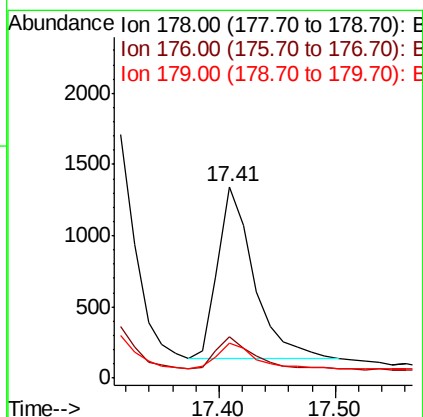
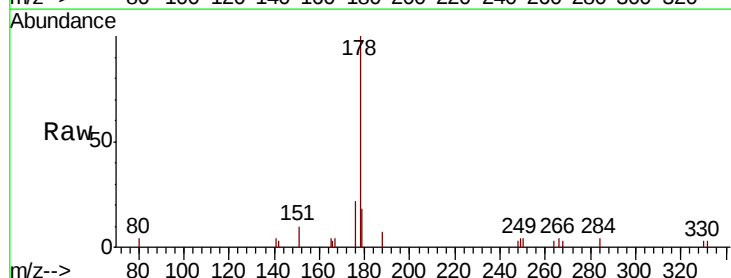
RT: 17.41 min Scan# 1160

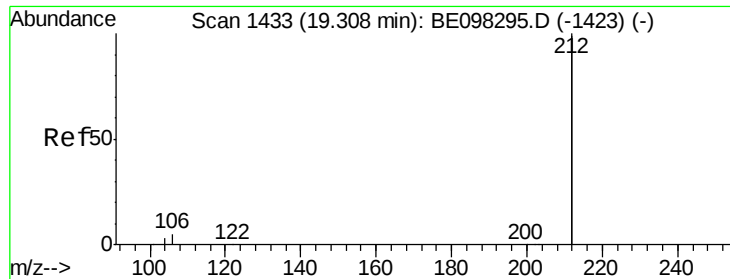
Delta R.T. -0.00 min

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

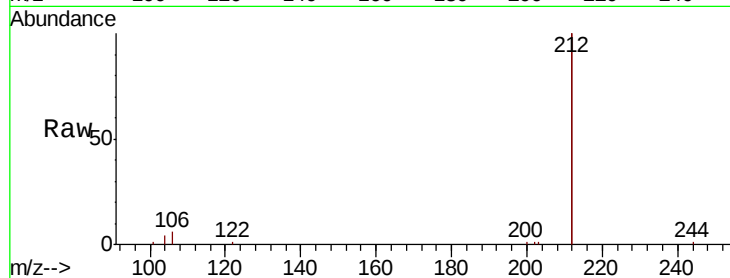




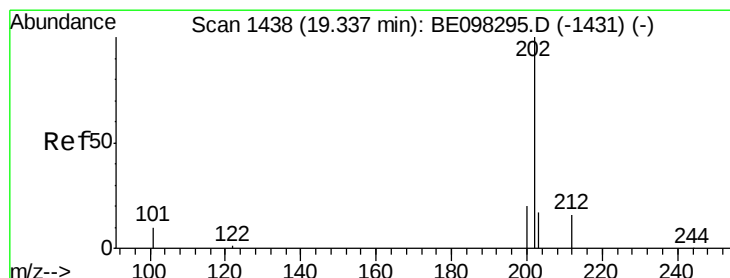
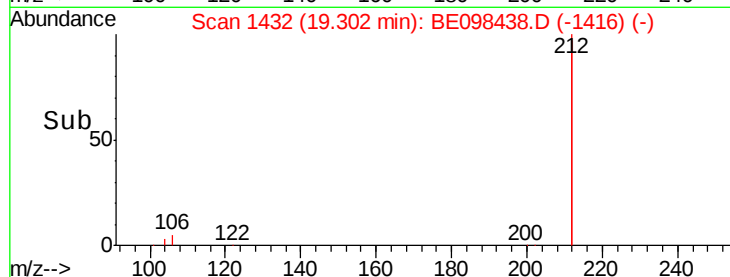
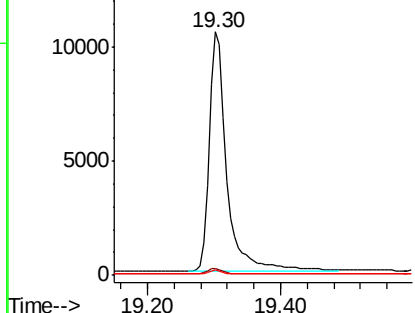
#25
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

Instrument :
 BNA_E
 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

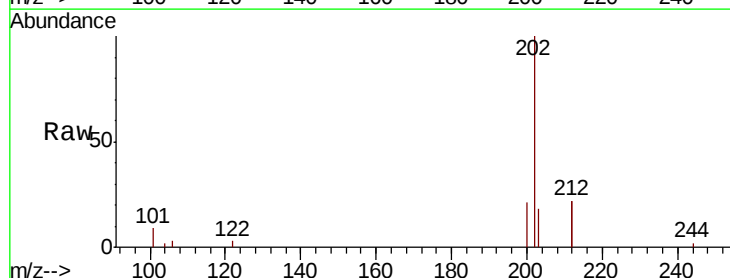


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

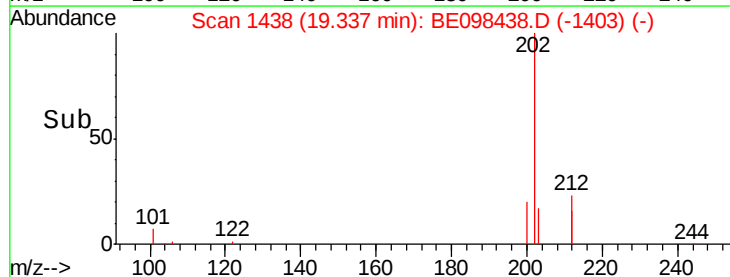
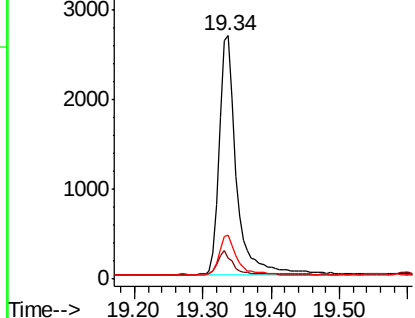


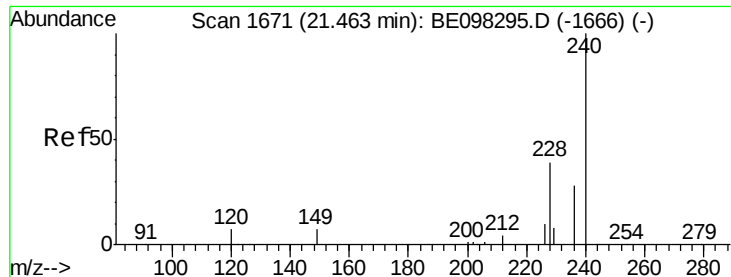
#26
 Fluoranthene
 Concen: 0.253 ng
 RT: 19.34 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BE098438.D
 Acq: 14 Dec 2018 16:32

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_E

ClientSampleId :

PB115633BS

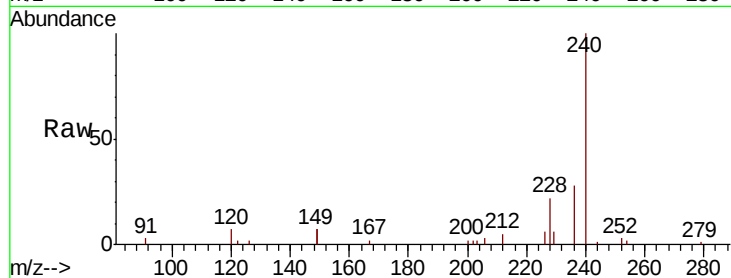
Tgt Ion:240 Resp: 7954

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

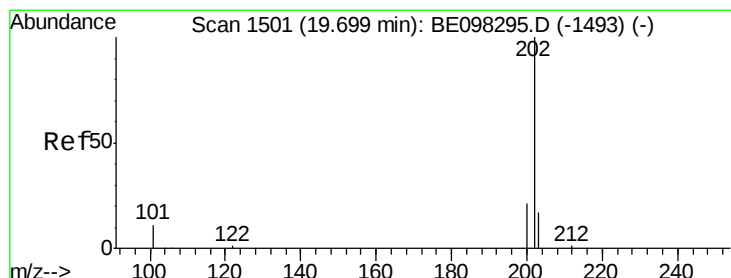
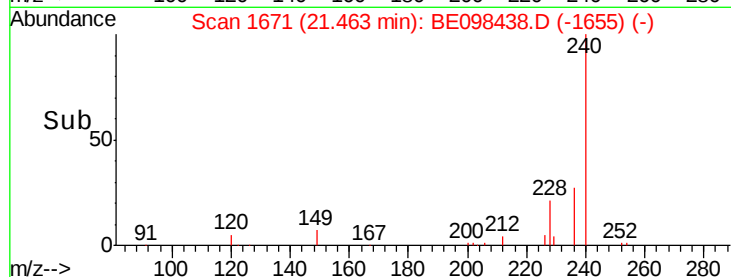
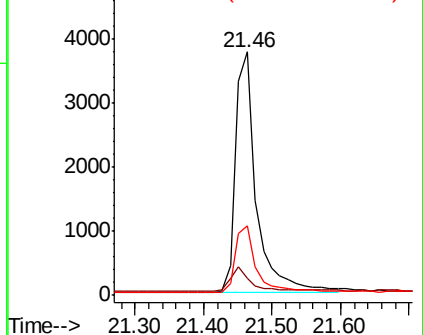
236 28.4 22.7 34.1



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: 0.194 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE098438.D

Acq: 14 Dec 2018 16:32

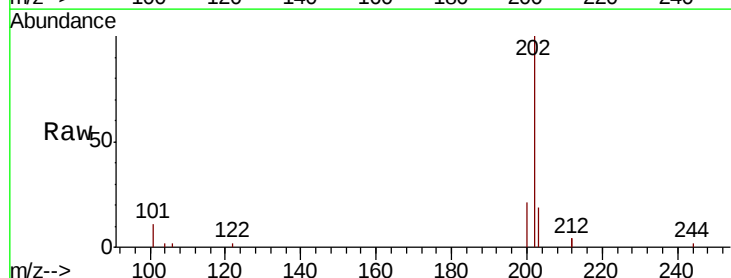
Tgt Ion:202 Resp: 4832

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

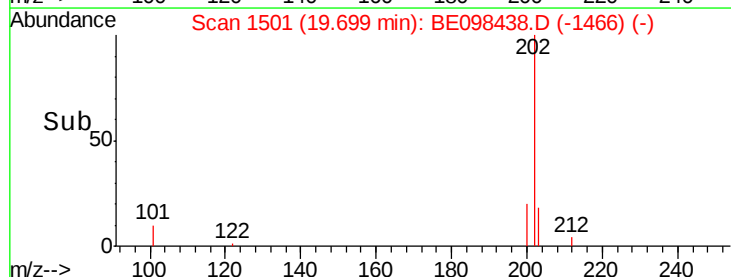
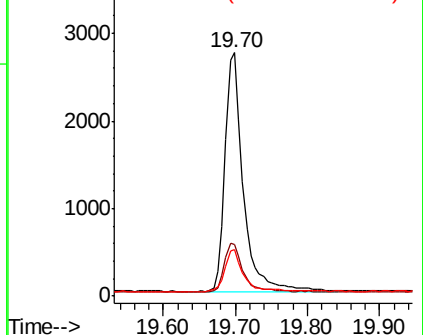
203 17.6 14.1 21.1

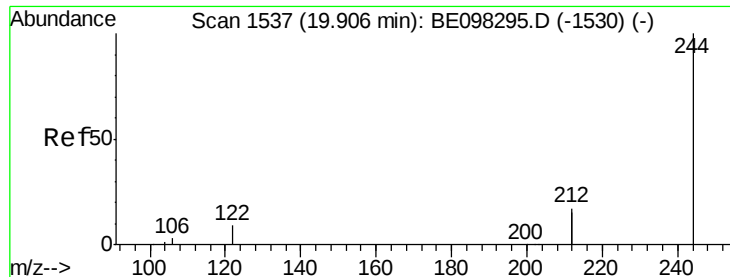


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.182 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_E

ClientSampleId :

PB115633BS

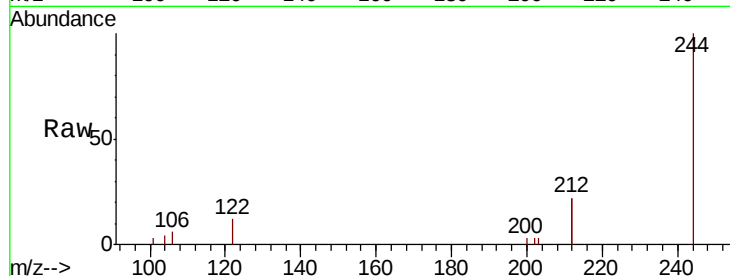
Tgt Ion:244 Resp: 3509

Ion Ratio Lower Upper

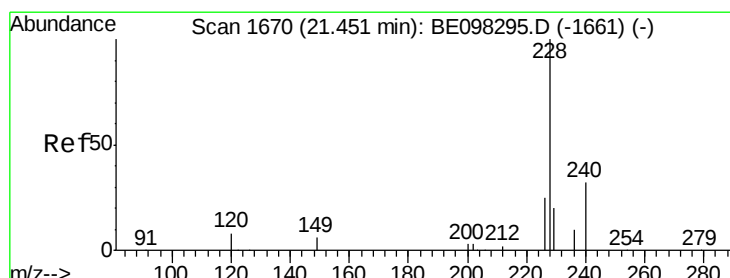
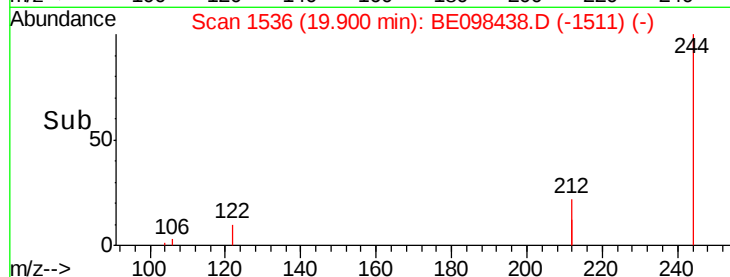
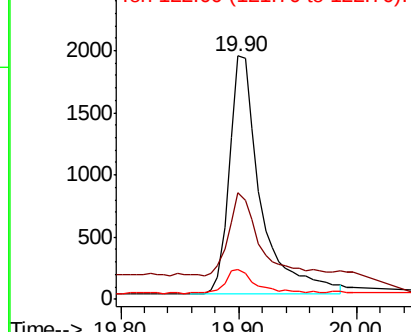
244 100

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

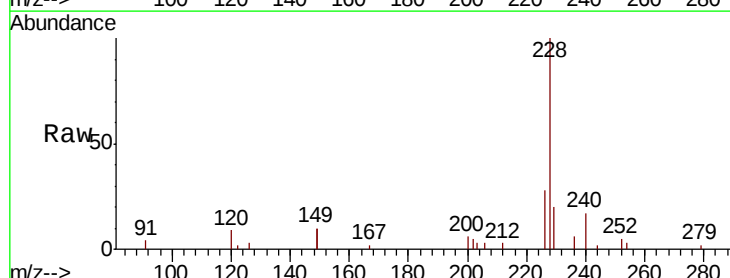
Tgt Ion:228 Resp: 5077

Ion Ratio Lower Upper

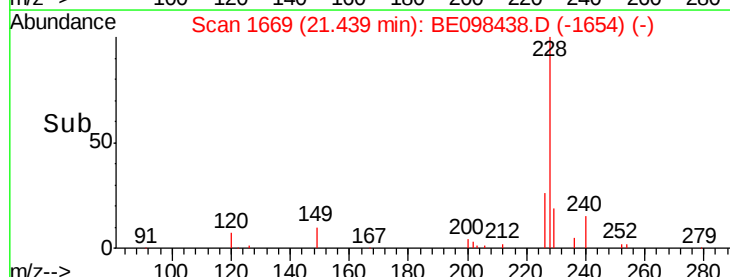
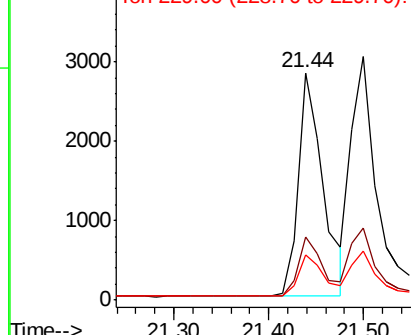
228 100

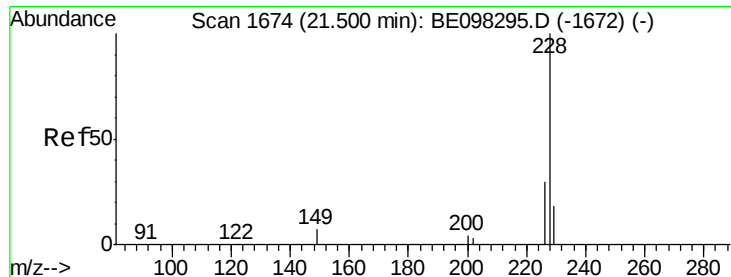
226 27.7 21.8 32.8

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_E

ClientSampleId :

PB115633BS

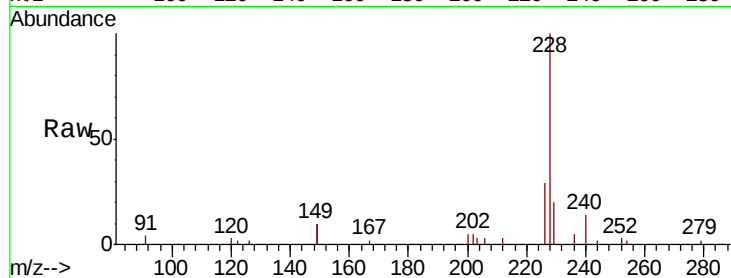
Tgt Ion:228 Resp: 5304

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

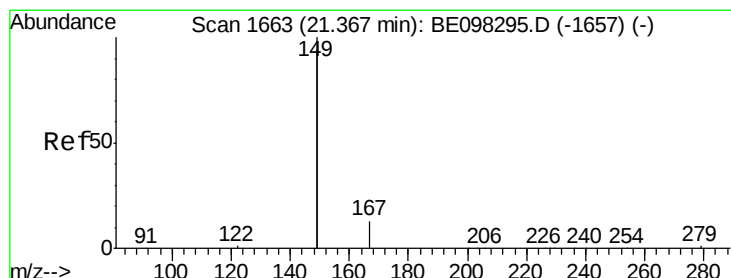
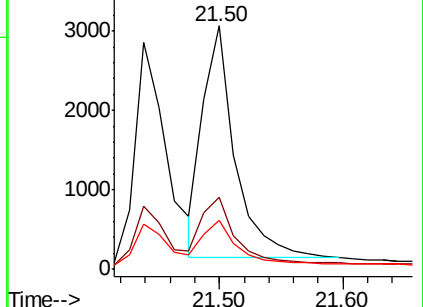
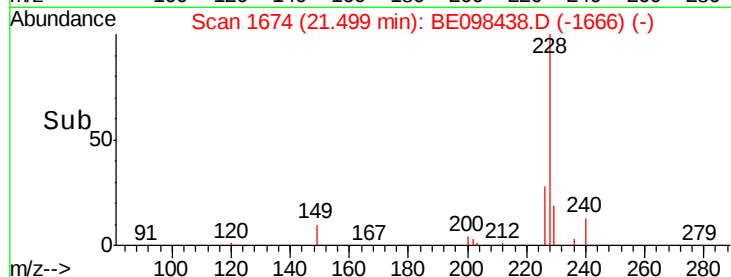
229 20.4 16.2 24.4



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

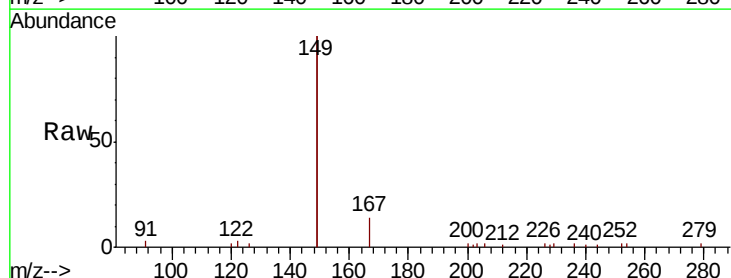
Tgt Ion:149 Resp: 7795

Ion Ratio Lower Upper

149 100

167 7.1 5.7 8.5

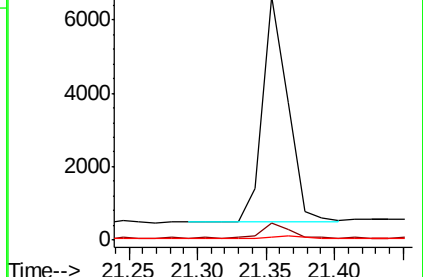
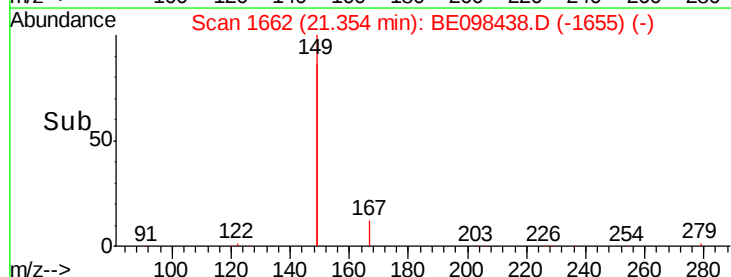
279 1.2 1.0 1.4

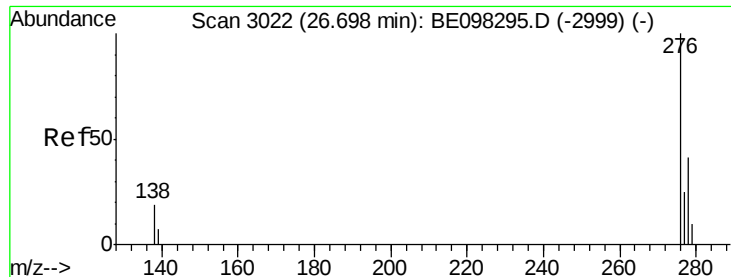


Abundance Ion 149.00 (148.70 to 149.70): E

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_E

ClientSampleId :

PB115633BS

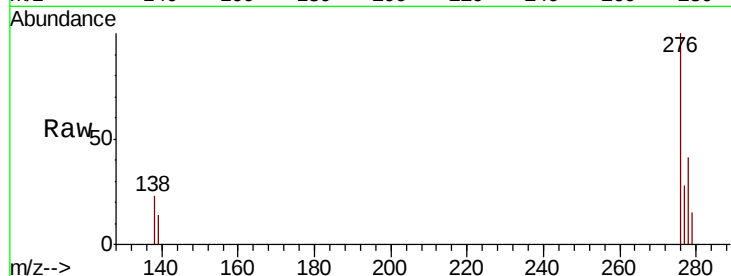
Tgt Ion:276 Resp: 5258

Ion Ratio Lower Upper

276 100

138 8.8 16.3 24.5#

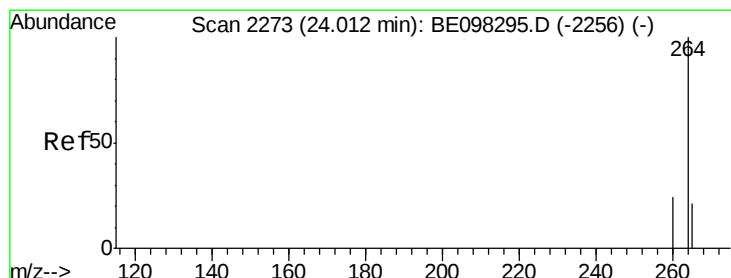
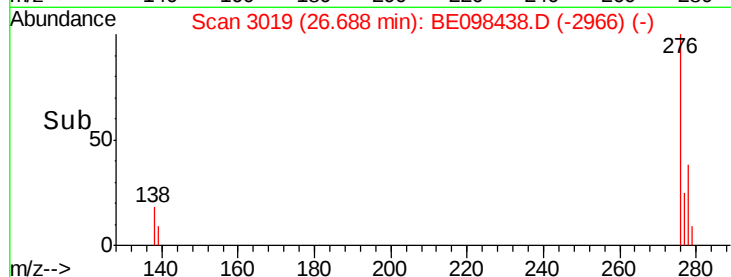
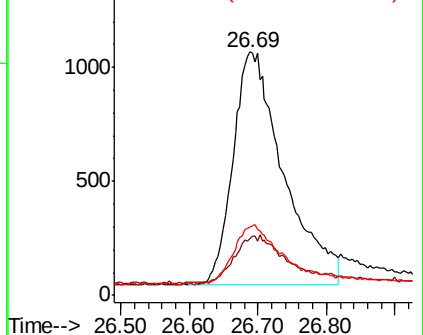
277 22.7 20.2 30.4



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

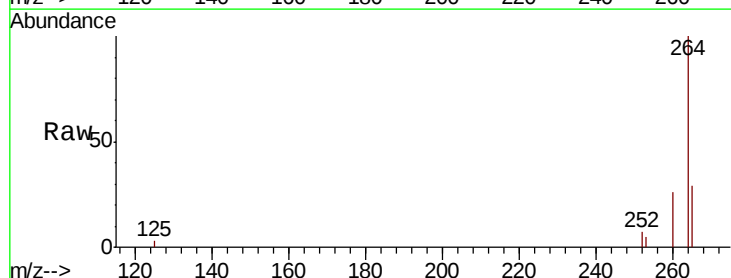
Tgt Ion:264 Resp: 7451

Ion Ratio Lower Upper

264 100

260 26.1 20.2 30.2

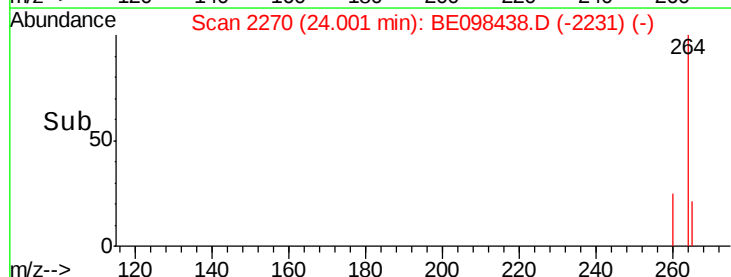
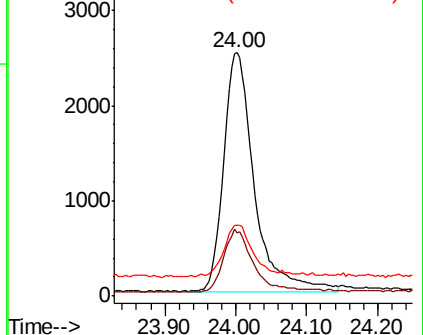
265 29.0 25.2 37.8

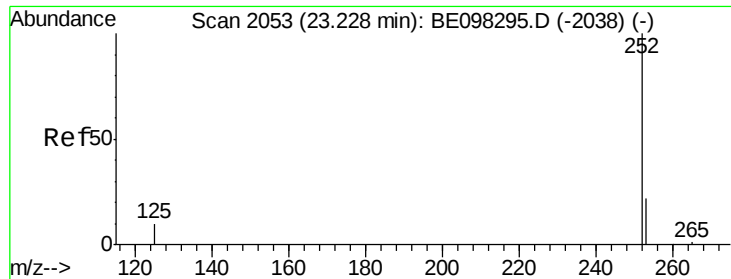


Abundance Ion 264.00 (263.70 to 264.70): E

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_E

ClientSampleId :

PB115633BS

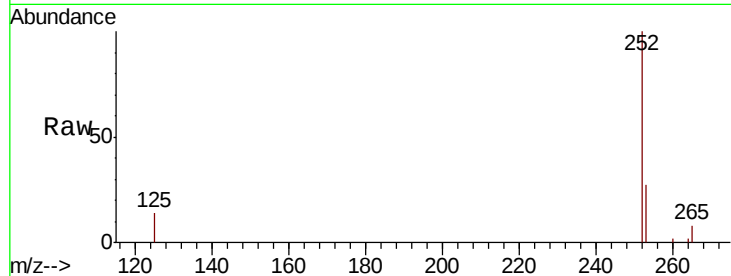
Tgt Ion:252 Resp: 4761

Ion Ratio Lower Upper

252 100

253 26.5 20.0 30.0

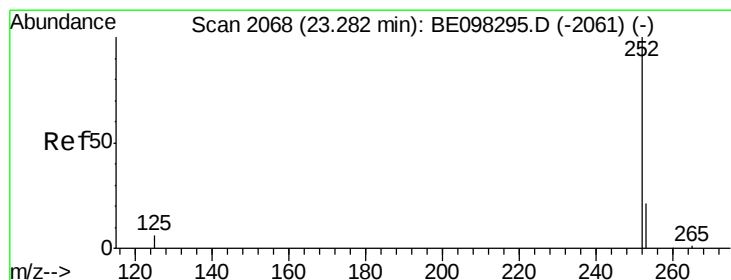
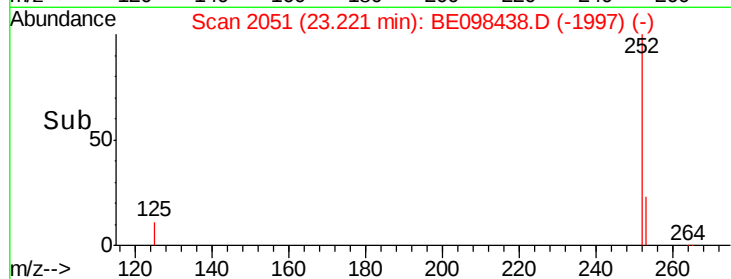
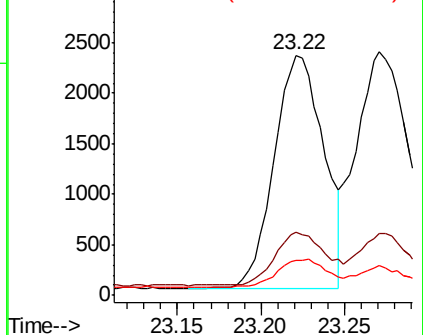
125 14.4 9.6 14.4



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

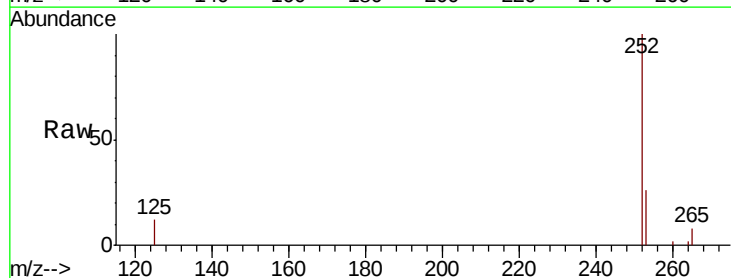
Tgt Ion:252 Resp: 5401

Ion Ratio Lower Upper

252 100

253 25.6 19.0 28.6

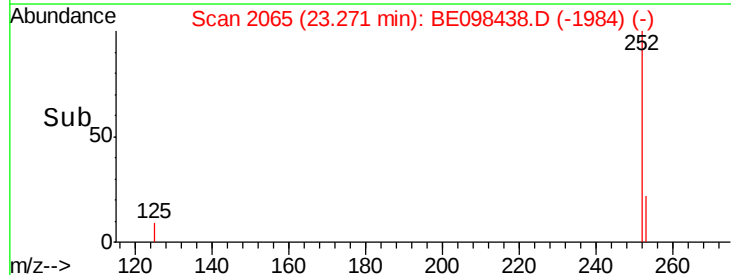
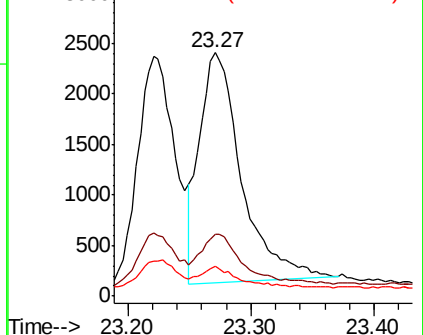
125 12.0 9.1 13.7

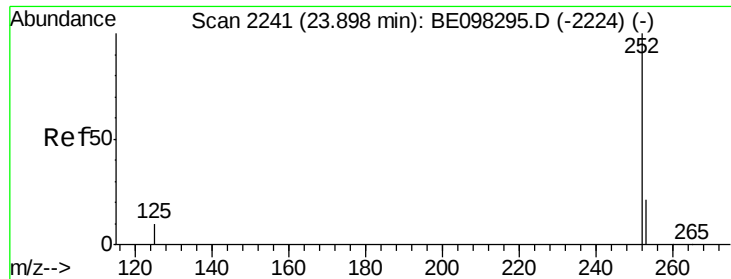


Abundance Ion 252.00 (251.70 to 252.70): E

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_E

ClientSampleId :

PB115633BS

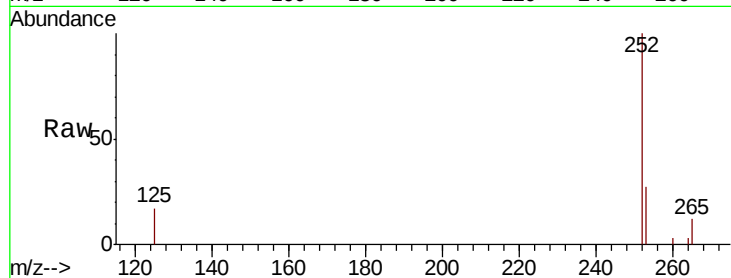
Tgt Ion: 252 Resp: 4897

Ion Ratio Lower Upper

252 100

253 27.3 20.6 30.8

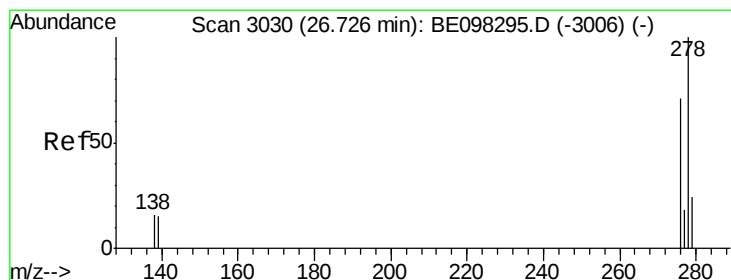
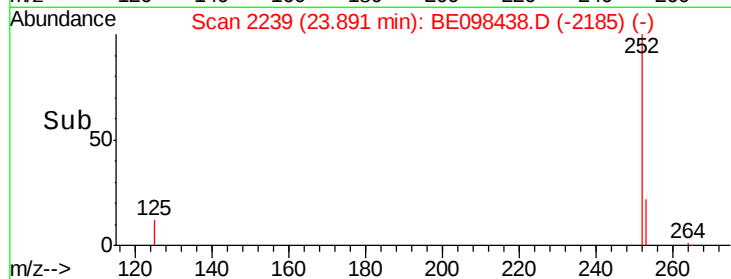
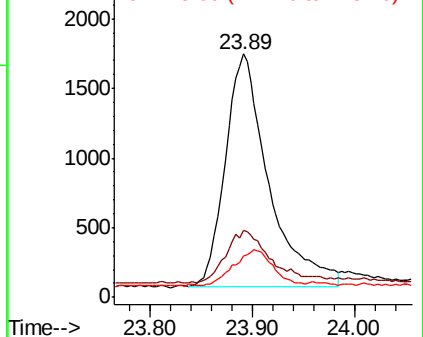
125 17.0 10.5 15.7#



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

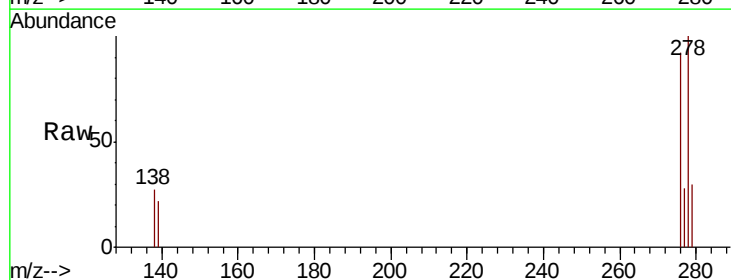
Tgt Ion: 278 Resp: 4197

Ion Ratio Lower Upper

278 100

139 22.4 14.5 21.7#

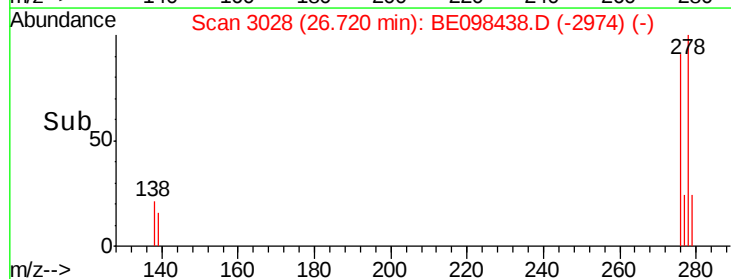
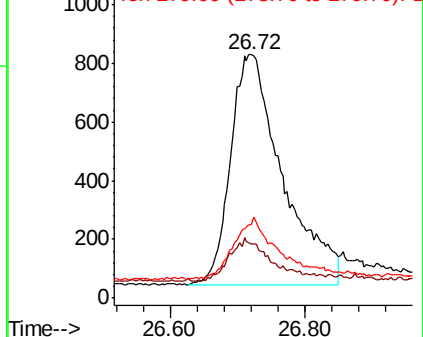
279 30.4 21.8 32.8

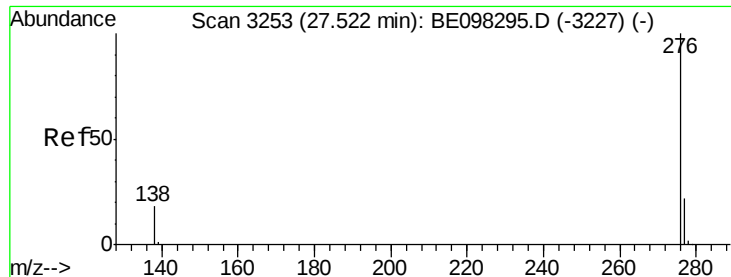


Abundance Ion 278.00 (277.70 to 278.70): E

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

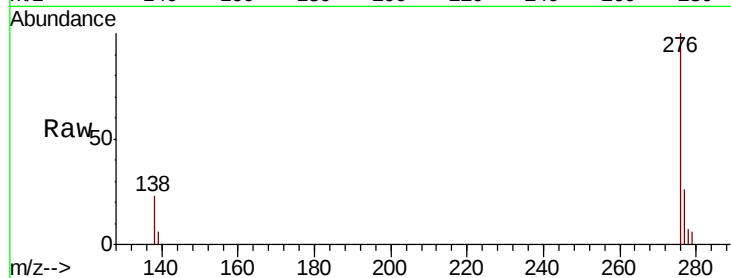
Acq: 14 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

PB115633BS



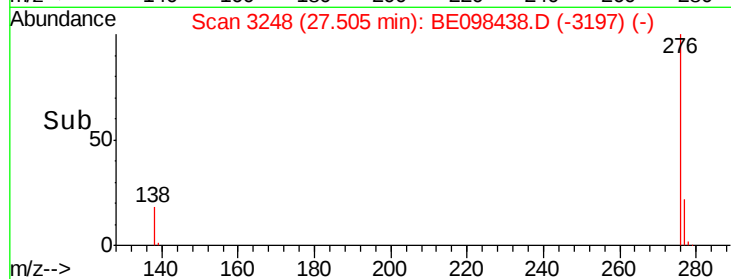
Tgt Ion: 276 Resp: 4385

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

