

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031519\
 Data File : BE098972.D
 Acq On : 15 Mar 2019 14:16
 Operator : JU/SJ
 Sample : PB117917BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117917BS

Quant Time: Mar 15 14:48:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	697	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3211	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	2137	0.40	ng	0.01
19) Phenanthrene-d10	17.22	188	5855	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6959	0.40	ng	0.00
34) Perylene-d12	23.91	264	6574	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	274	0.13	ng	0.03
5) Phenol-d6	7.02	99	564	0.19	ng	0.03
8) Nitrobenzene-d5	9.00	82	566	0.17	ng	0.04
11) 2-Methylnaphthalene-d10	12.22	152	1547	0.26	ng	0.03
14) 2,4,6-Tribromophenol	15.98	330	155	0.14	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	1911	0.22	ng	0.01
25) Fluoranthene-d10	19.25	212	17936	0.19	ng	0.00
29) Terphenyl-d14	19.85	244	3336	0.20	ng	0.00

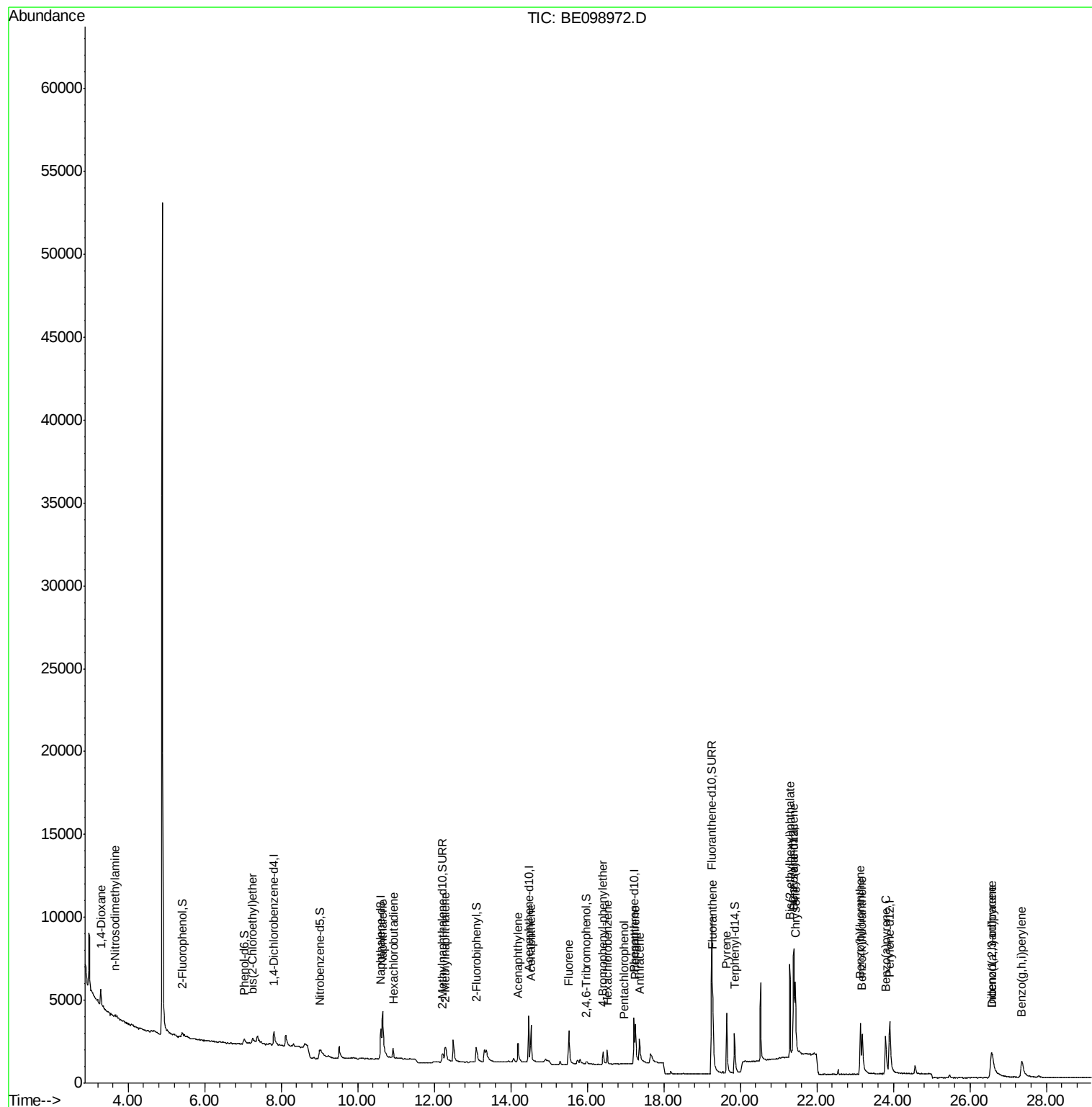
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	588	0.444	ng	# 81
3) n-Nitrosodimethylamine	3.65	42	238	0.136	ng	# 92
6) bis(2-Chloroethyl)ether	7.25	93	287	0.126	ng	79
9) Naphthalene	10.65	128	7636	0.208	ng	# 97
10) Hexachlorobutadiene	10.93	225	493	0.203	ng	97
12) 2-Methylnaphthalene	12.30	142	1085	0.182	ng	95
16) Acenaphthylene	14.20	152	2051	0.187	ng	99
17) Acenaphthene	14.53	154	1279	0.196	ng	99
18) Fluorene	15.52	166	1799	0.191	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	615	0.194	ng	93
21) Hexachlorobenzene	16.52	284	701	0.186	ng	98
22) Pentachlorophenol	16.96	266	33	0.290	ng	97
23) Phenanthrene	17.26	178	3101	0.186	ng	99
24) Anthracene	17.36	178	2258	0.159	ng	98
26) Fluoranthene	19.28	202	4350	0.185	ng	100
28) Pyrene	19.64	202	4503	0.212	ng	100
30) Benzo(a)anthracene	21.39	228	3924	0.181	ng	99
31) Chrysene	21.44	228	4613	0.199	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	7632	0.165	ng	99
33) Indeno(1,2,3-cd)pyrene	26.57	276	3779	0.154	ng	# 92
35) Benzo(b)fluoranthene	23.14	252	4232	0.196	ng	# 78
36) Benzo(k)fluoranthene	23.19	252	4526	0.200	ng	96
37) Benzo(a)pyrene	23.80	252	4439	0.214	ng	# 67
38) Dibenzo(a,h)anthracene	26.59	278	2960	0.151	ng	# 87
39) Benzo(g,h,i)perylene	27.36	276	3888	0.190	ng	# 94

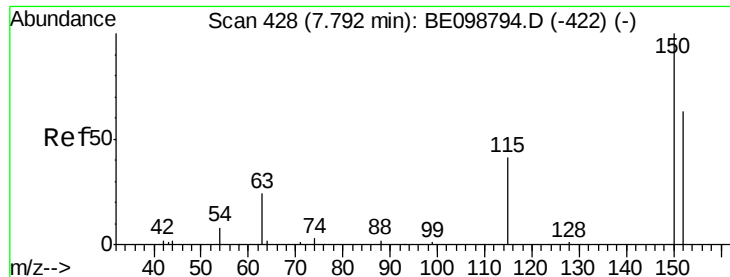
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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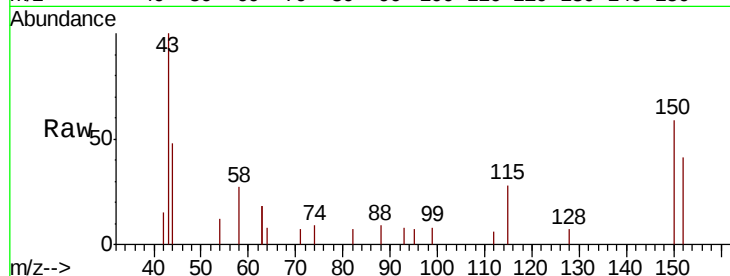


#1

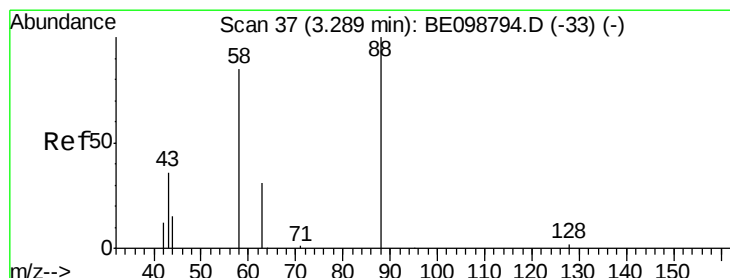
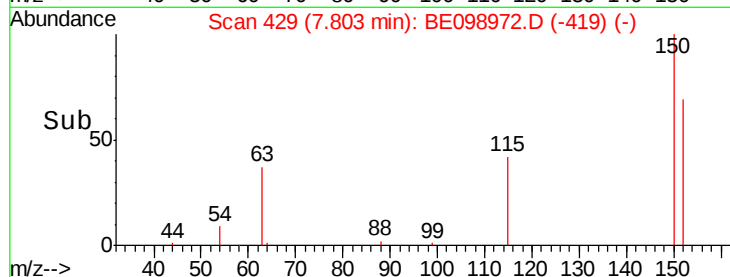
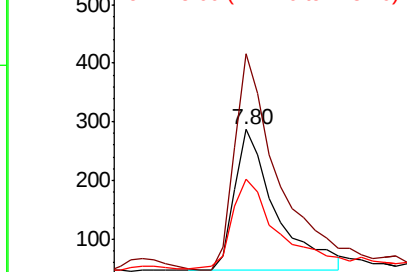
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.01 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

Instrument :
BNA_E
ClientSampleId :
PB117917BS

Tot Ion:152 Resp: 697
Ion Ratio Lower Upper
152 100
150 144.9 122.5 183.7
115 70.0 57.4 86.2



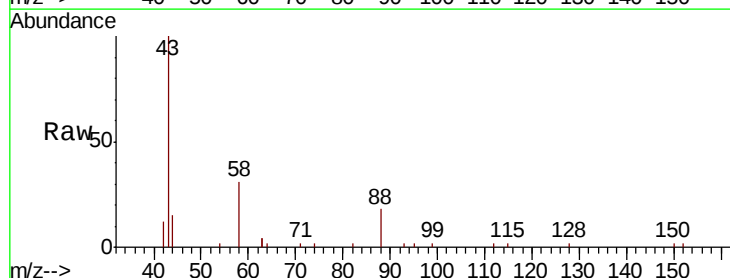
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



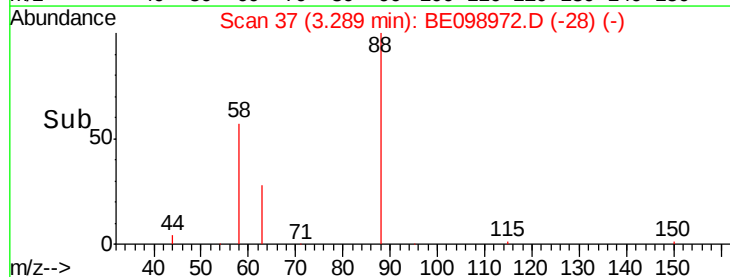
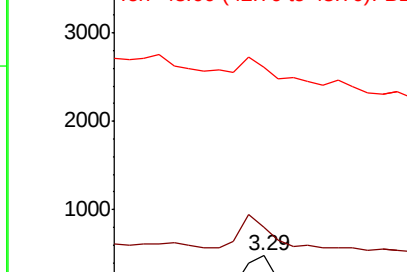
#2

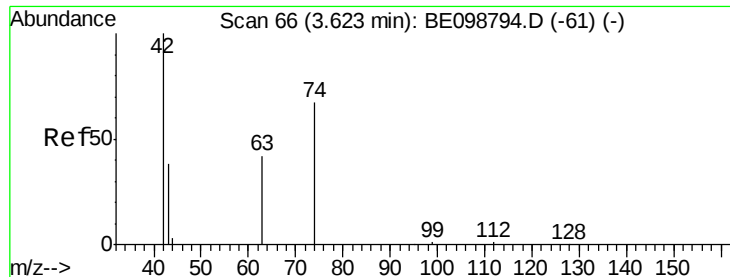
1,4-Dioxane
Concen: 0.444 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

Tgt Ion: 88 Resp: 588
Ion Ratio Lower Upper
88 100
58 100.5 75.8 113.6
43 82.5 41.8 62.8#



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

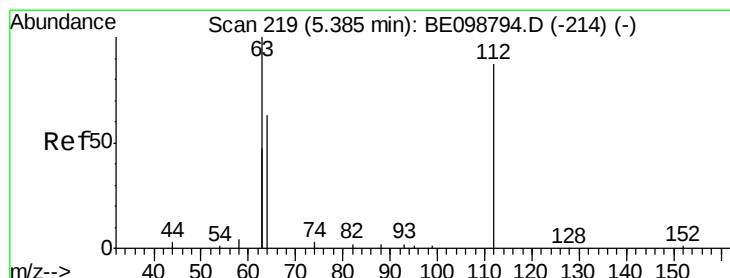
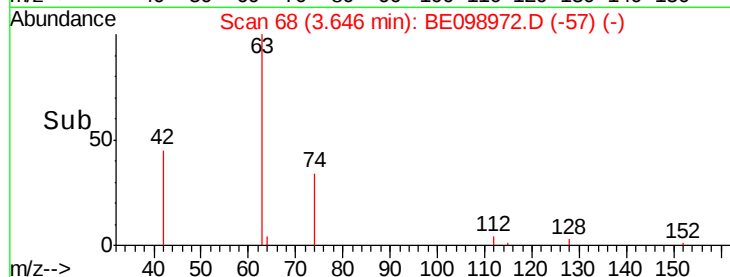
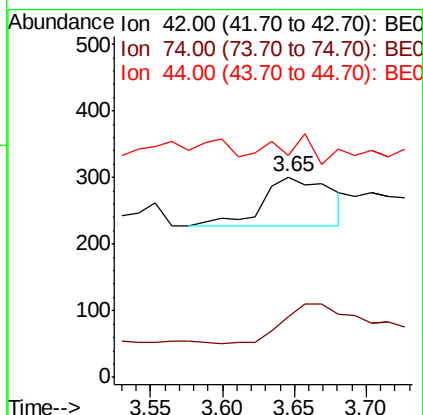
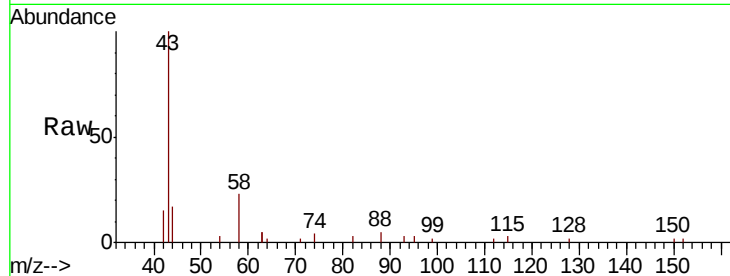




#3
n-Nitrosodimethylamine
Concen: 0.136 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.02 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

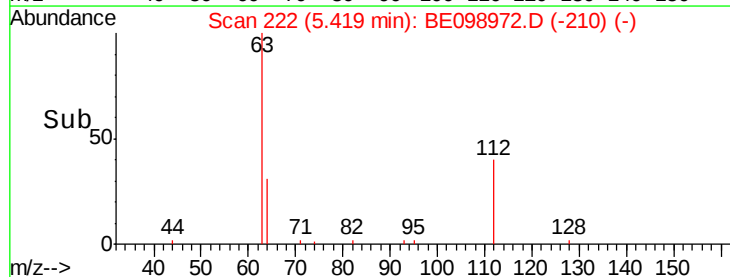
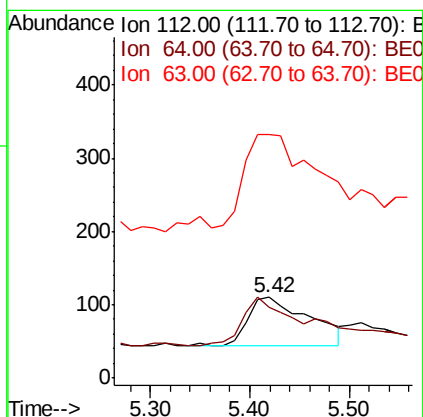
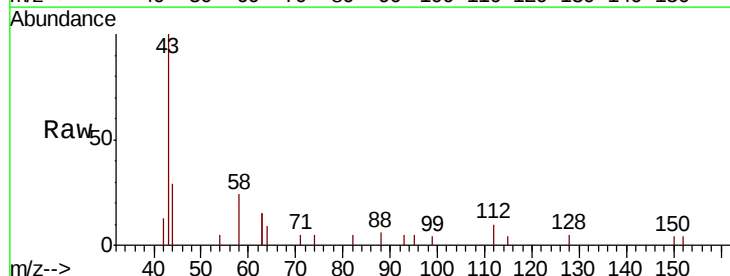
Instrument :
BNA_E
ClientSampleId :
PB117917BS

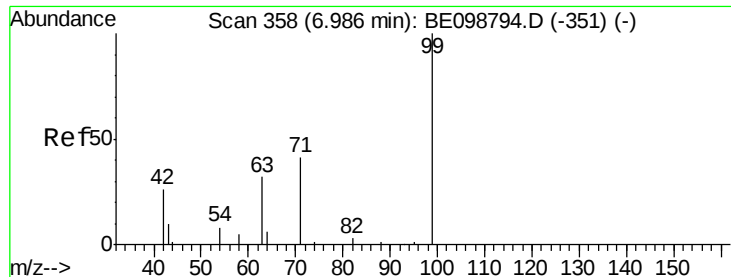
Tot Ion: 42 Resp: 238
Ion Ratio Lower Upper
42 100
74 64.3 57.0 85.4
44 0.0 0.0 0.0



#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.42 min Scan# 222
Delta R.T. 0.03 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

Tgt Ion: 112 Resp: 274
Ion Ratio Lower Upper
112 100
64 127.4 57.9 86.9#
63 269.3 158.3 237.5#





#5

Phenol-d6

Concen: 0.192 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.03 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

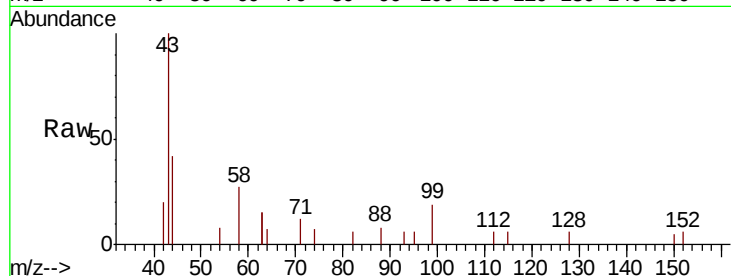
Tot Ion: 99 Resp: 564

Ion Ratio Lower Upper

99 100

42 29.8 24.2 36.2

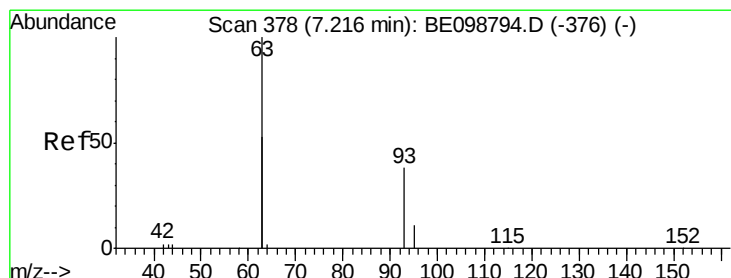
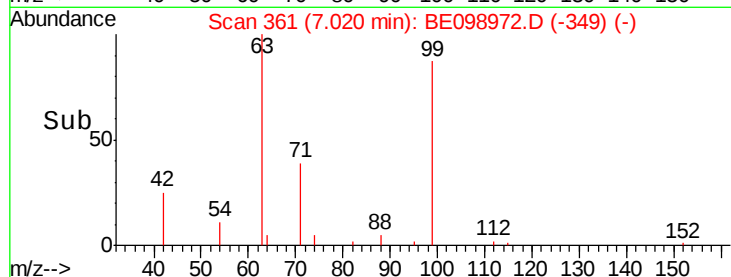
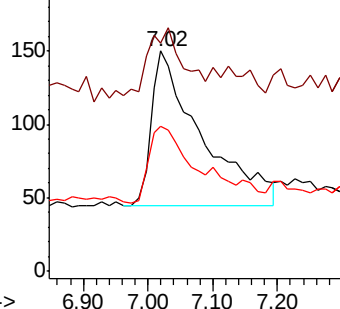
71 53.0 35.7 53.5



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



#6

bis(2-Chloroethyl)ether

Concen: 0.126 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.03 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

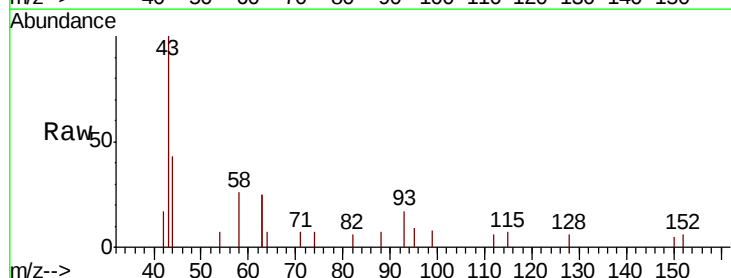
Tgt Ion: 93 Resp: 287

Ion Ratio Lower Upper

93 100

63 355.1 247.5 371.3

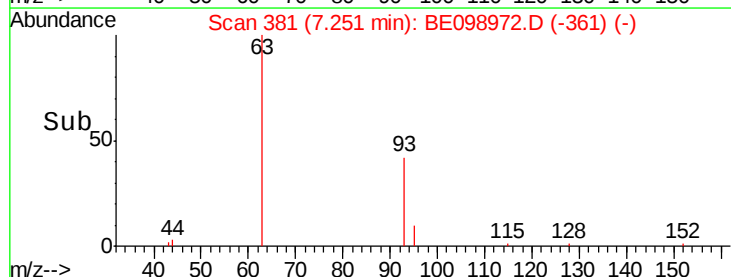
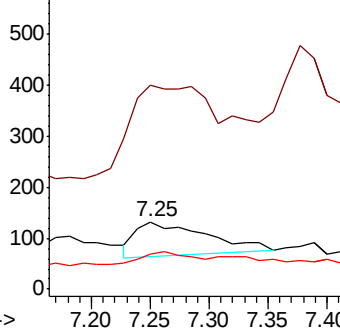
95 29.3 21.8 32.8

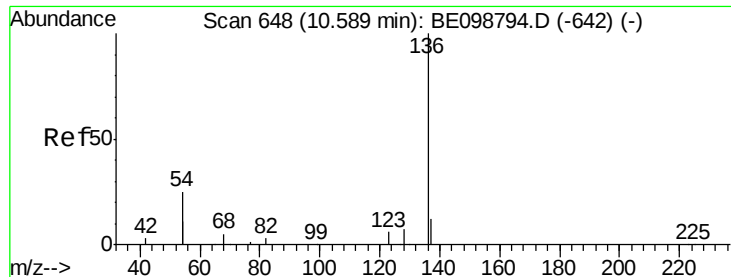


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

Tot Ion:136 Resp: 3211

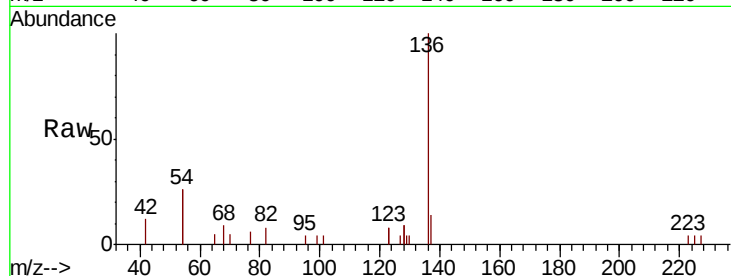
Ion Ratio Lower Upper

136 100

137 14.2 11.4 17.0

54 52.9 39.3 58.9

68 9.4 6.7 10.1

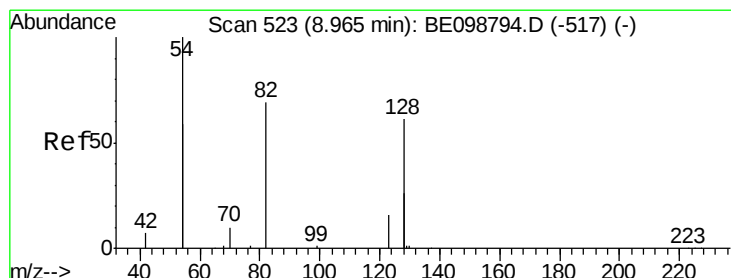
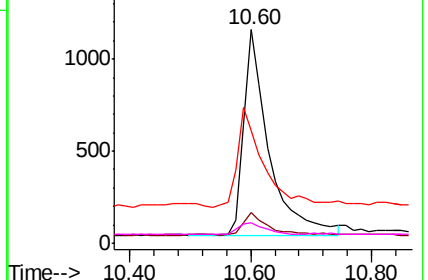
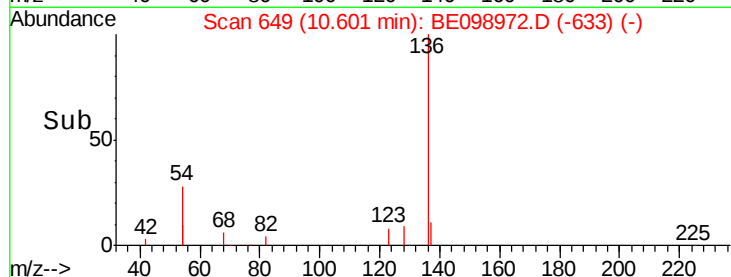


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.168 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

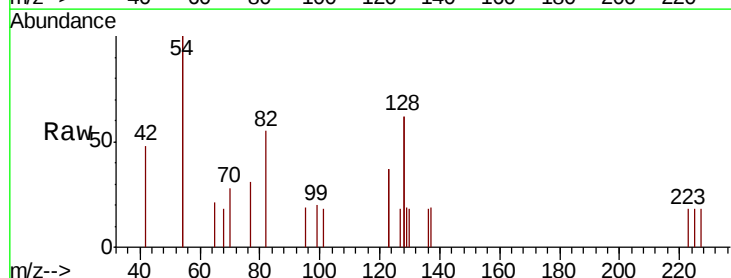
Tgt Ion: 82 Resp: 566

Ion Ratio Lower Upper

82 100

128 224.6 123.8 185.8#

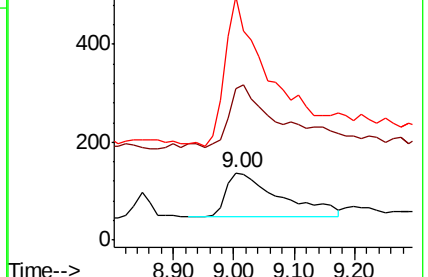
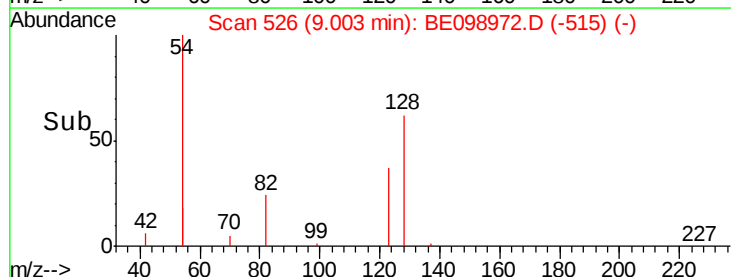
54 360.9 203.4 305.2#

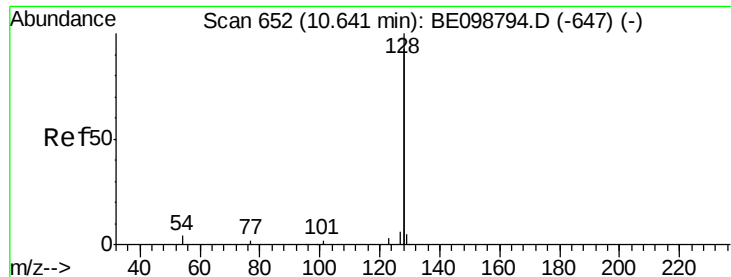


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.208 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

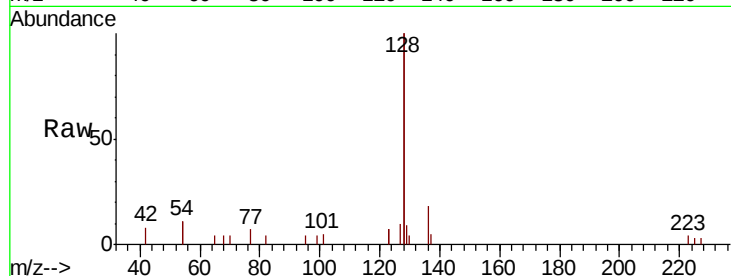
Tot Ion:128 Resp: 7636

Ion Ratio Lower Upper

128 100

129 4.3 2.6 4.0#

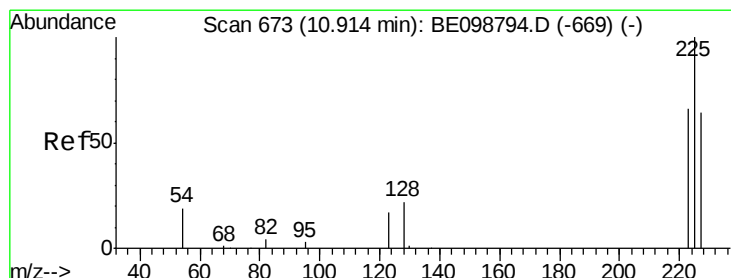
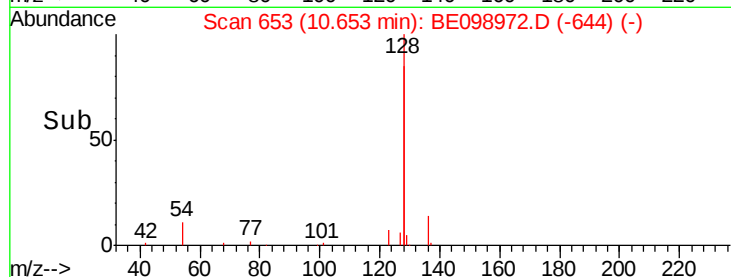
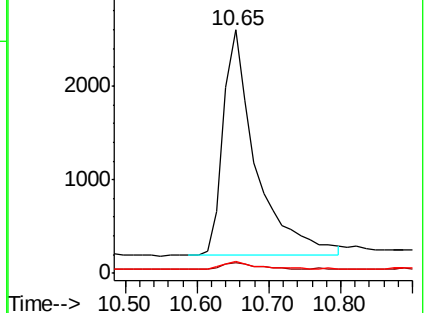
127 4.8 3.1 4.7#



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: 0.203 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

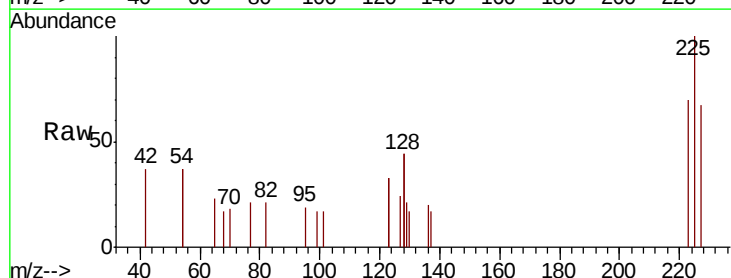
Tgt Ion:225 Resp: 493

Ion Ratio Lower Upper

225 100

223 66.9 51.1 76.7

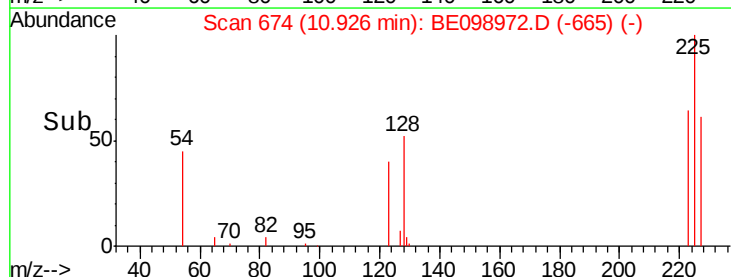
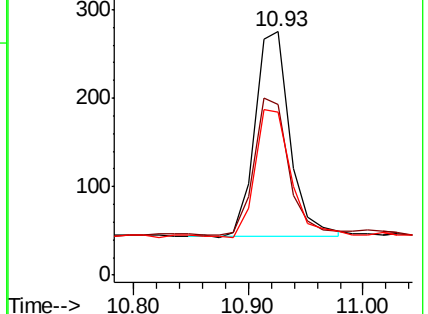
227 63.1 51.6 77.4

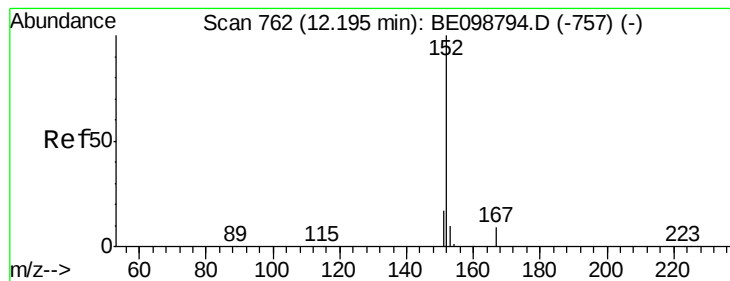


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.261 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.03 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

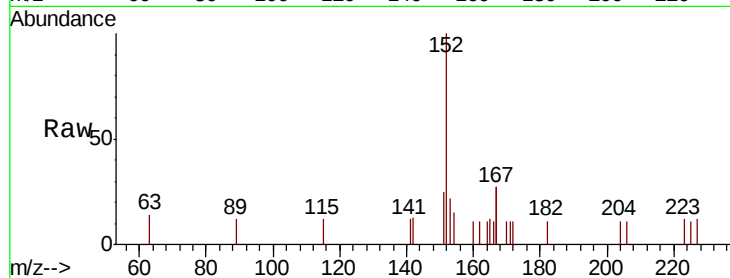
PB117917BS

Tot Ion:152 Resp: 1547

Ion Ratio Lower Upper

152 100

151 14.5 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

400

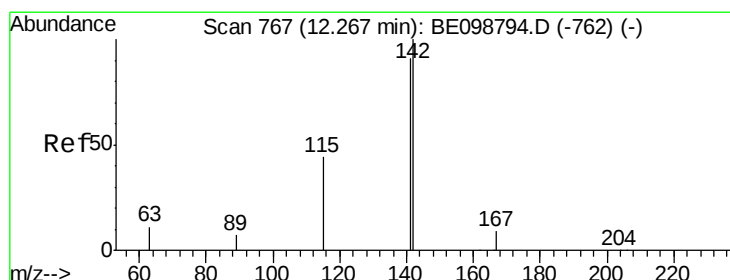
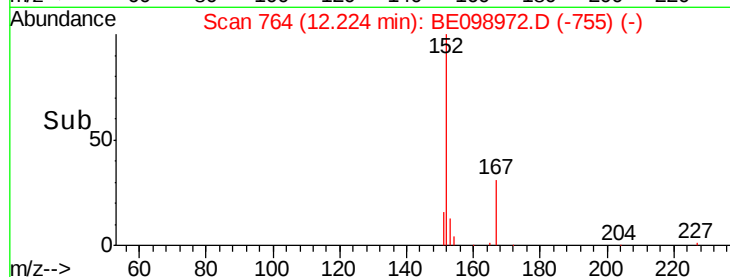
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.182 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.03 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

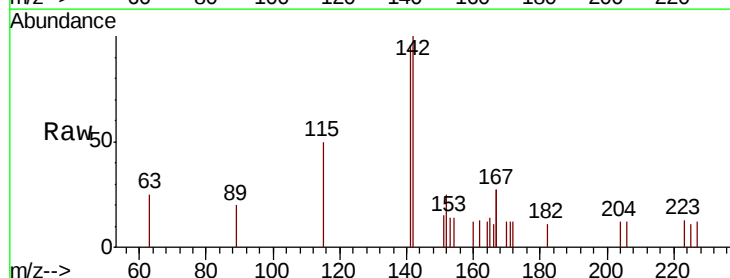
Tgt Ion:142 Resp: 1085

Ion Ratio Lower Upper

142 100

141 96.0 72.6 108.8

115 50.3 37.4 56.2



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

500

400

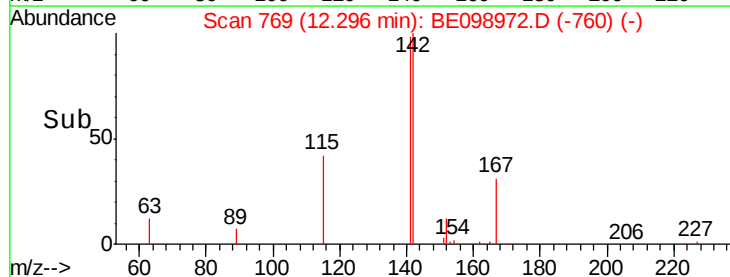
300

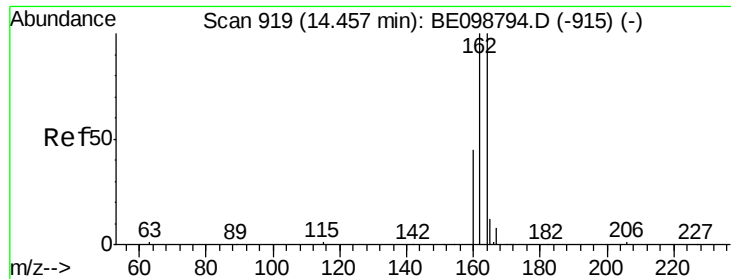
200

100

0

Time-->

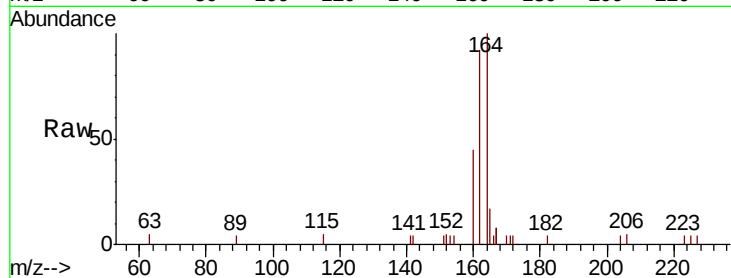




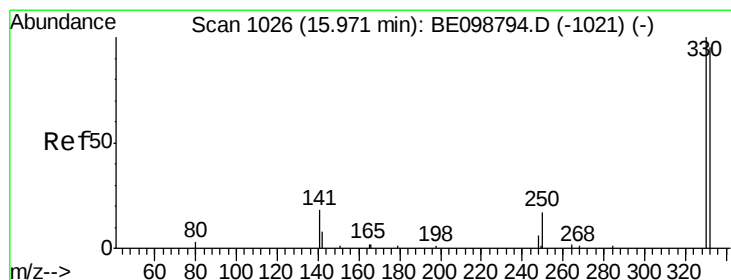
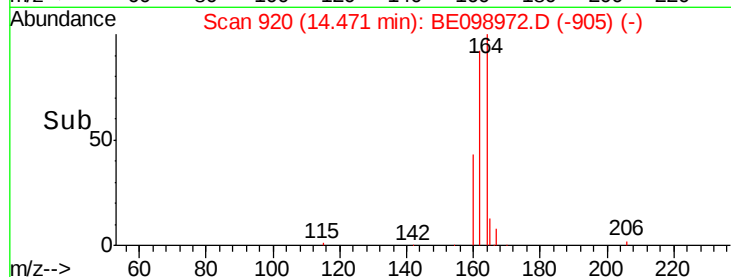
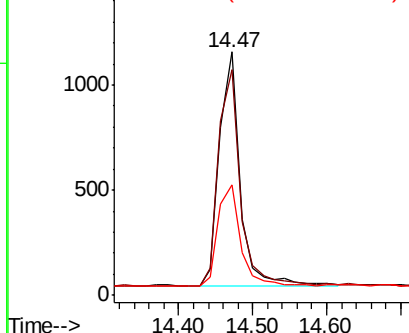
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: BE098972.D
 Acq: 15 Mar 2019 14:16

Instrument :
 BNA_E
 ClientSampleId :
 PB117917BS

Tot Ion:164 Resp: 2137
 Ion Ratio Lower Upper
 164 100
 162 92.5 80.2 120.2
 160 45.3 37.8 56.8

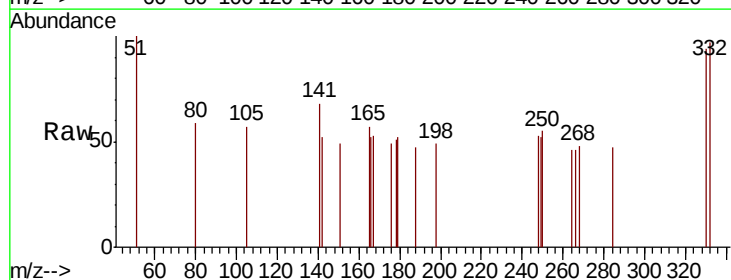


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

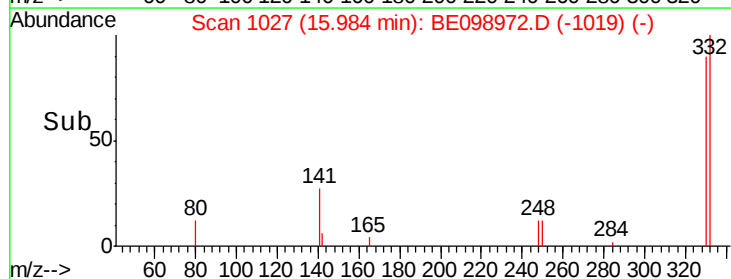
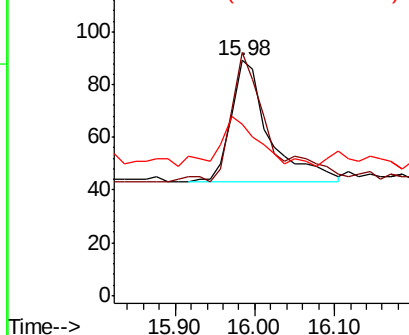


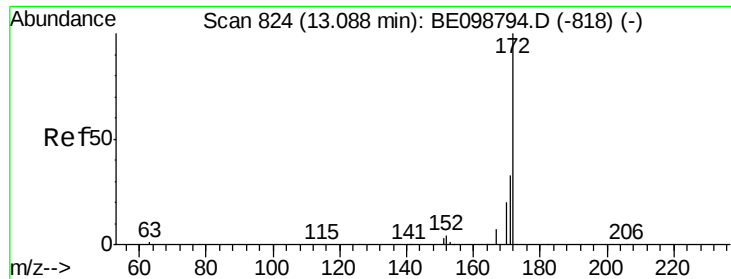
#14
 2,4,6-Tribromophenol
 Concen: 0.144 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE098972.D
 Acq: 15 Mar 2019 14:16

Tgt Ion:330 Resp: 155
 Ion Ratio Lower Upper
 330 100
 332 90.3 77.6 116.4
 141 38.7 31.0 46.4



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

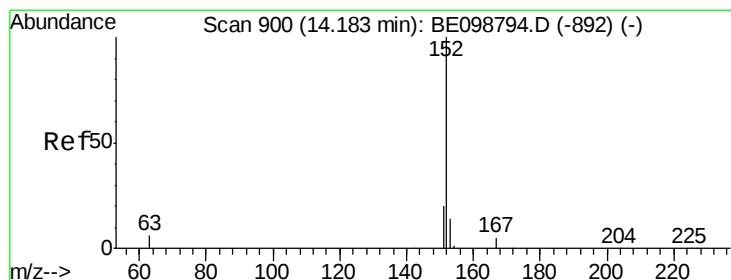
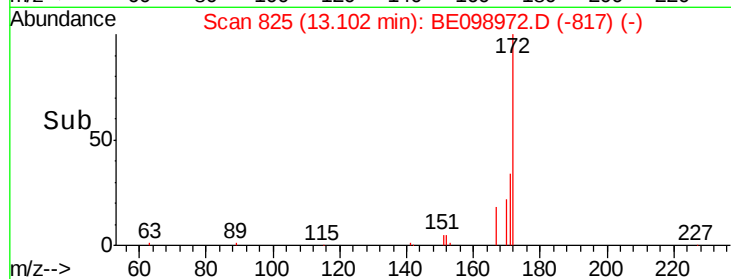
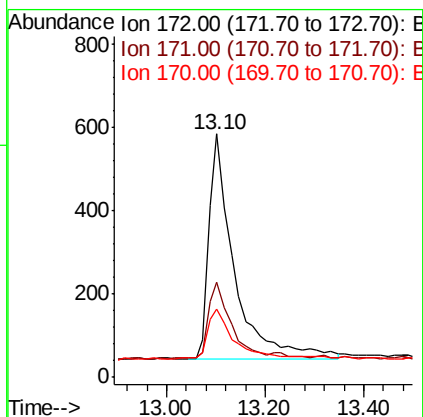
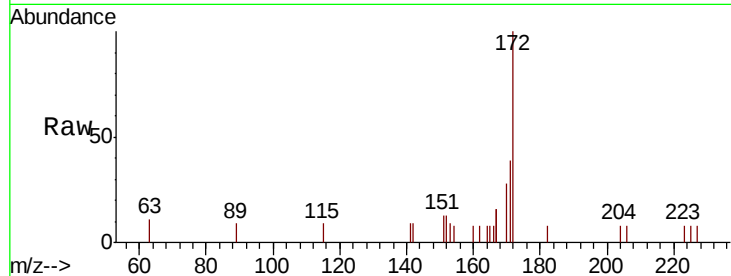




#15
2-Fluorobiphenyl
Concen: 0.216 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

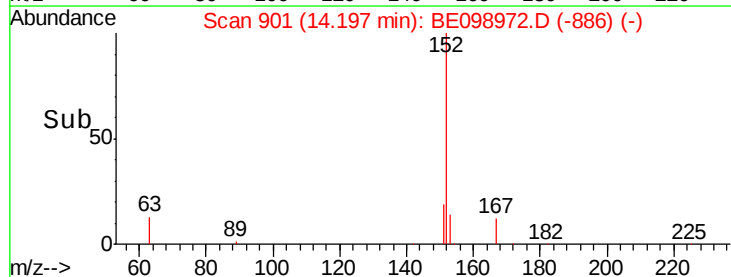
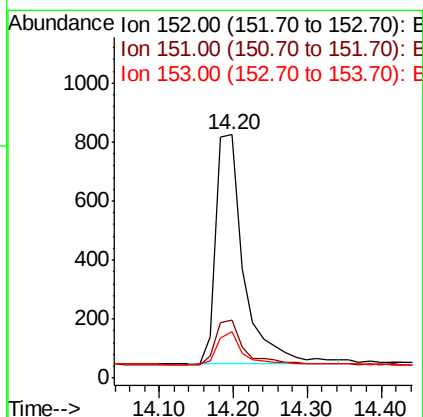
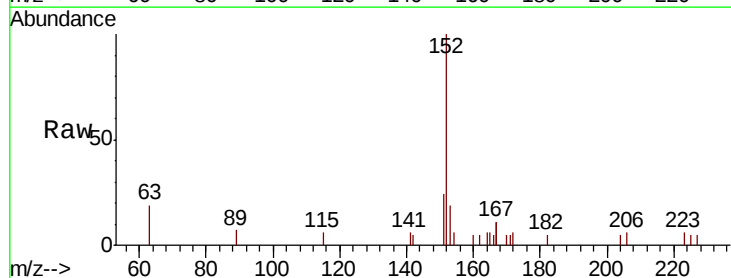
Instrument :
BNA_E
ClientSampleId :
PB117917BS

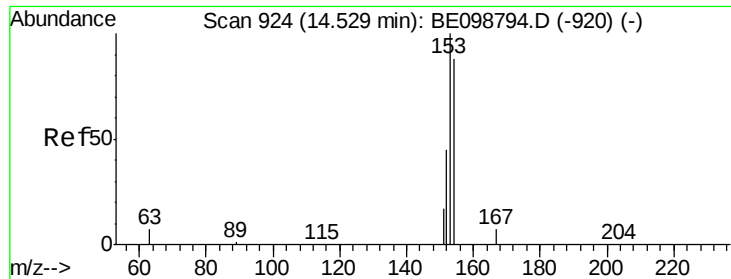
Tot Ion:172 Resp: 1911
Ion Ratio Lower Upper
172 100
171 39.2 28.0 42.0
170 28.1 17.7 26.5#



#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.01 min
Lab File: BE098972.D
Acq: 15 Mar 2019 14:16

Tgt Ion:152 Resp: 2051
Ion Ratio Lower Upper
152 100
151 20.8 17.0 25.6
153 13.2 11.2 16.8





#17

Acenaphthene

Concen: 0.196 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

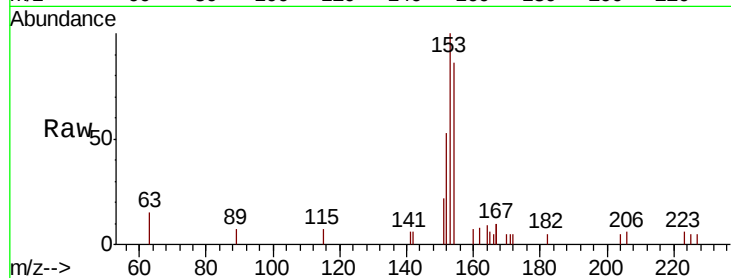
Tot Ion:154 Resp: 1279

Ion Ratio Lower Upper

154 100

153 115.9 94.2 141.4

152 57.0 45.0 67.4

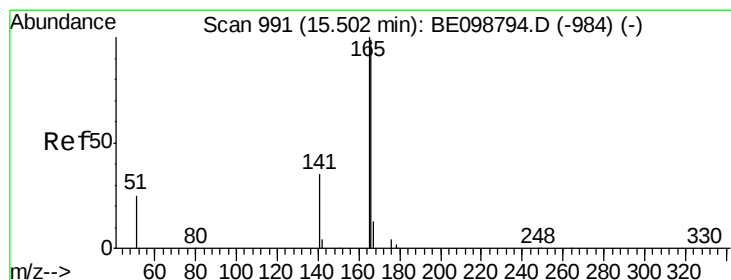
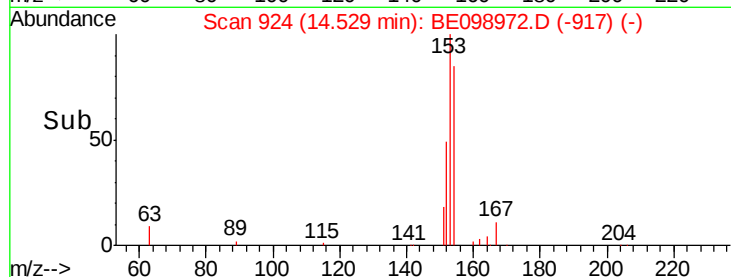
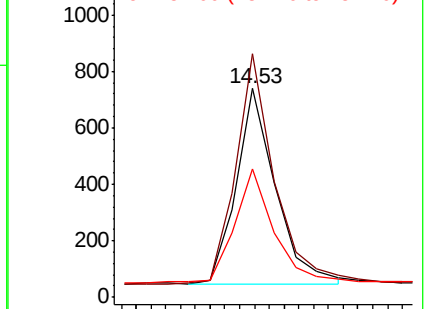


Abundance

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



#18

Fluorene

Concen: 0.191 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

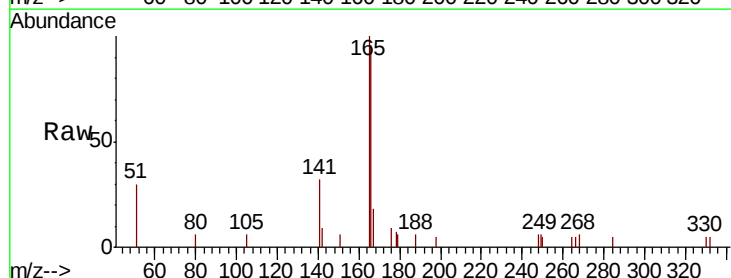
Tgt Ion:166 Resp: 1799

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

167 14.4 10.5 15.7

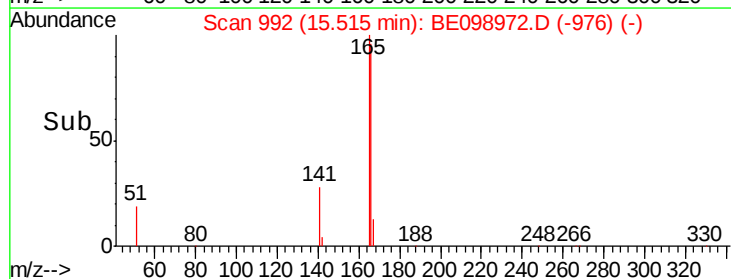
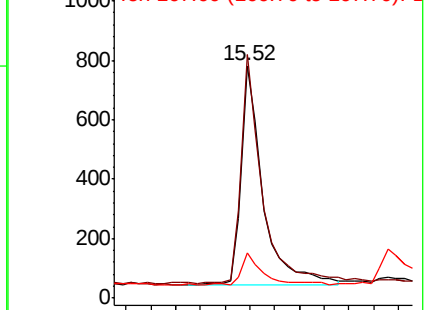


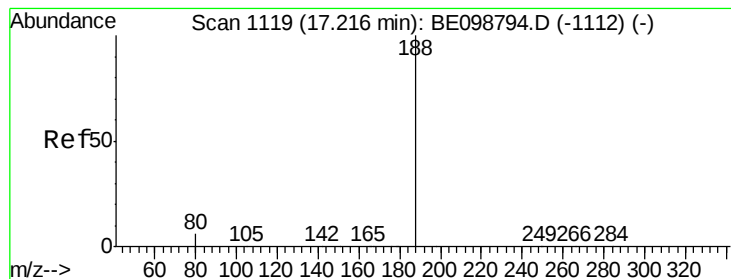
Abundance

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

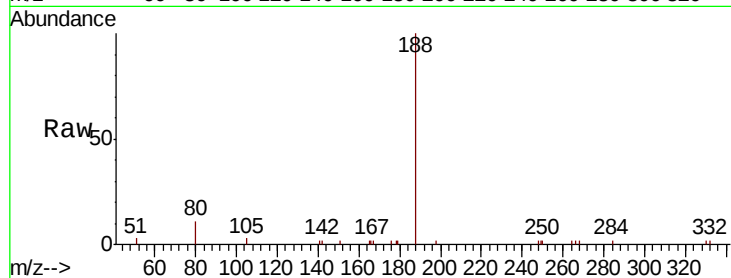
Tot Ion:188 Resp: 5855

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

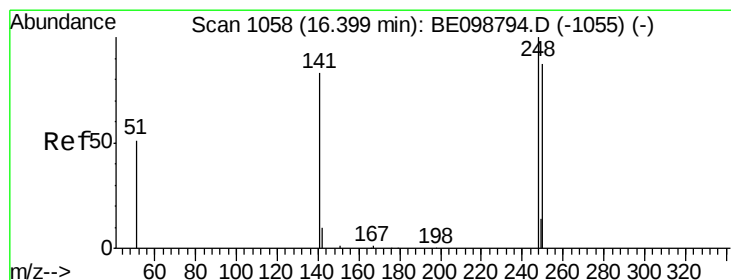
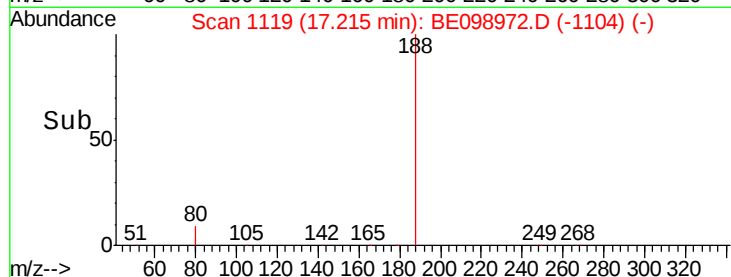
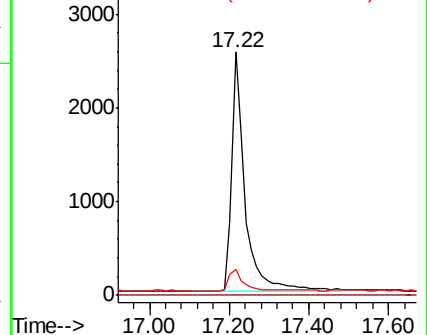
80 10.9 6.3 9.5#



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: 0.194 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

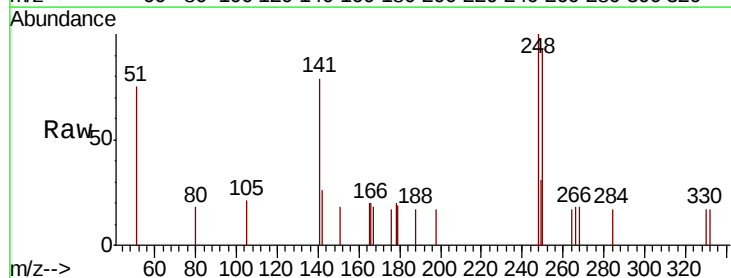
Tgt Ion:248 Resp: 615

Ion Ratio Lower Upper

248 100

250 93.3 70.6 105.8

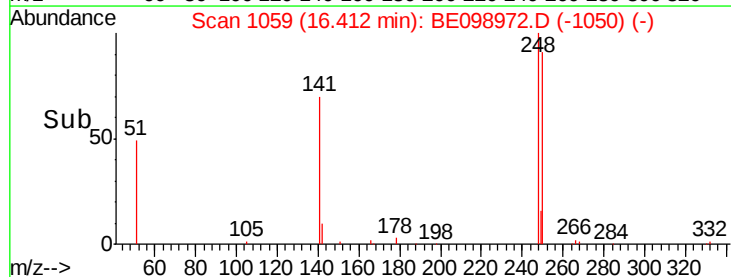
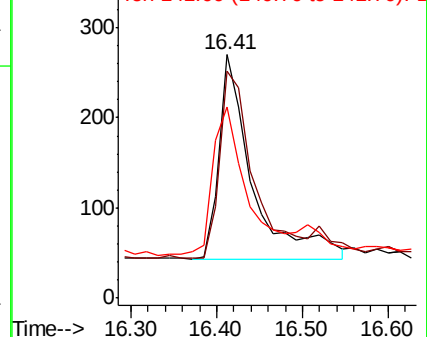
141 78.5 68.6 102.8

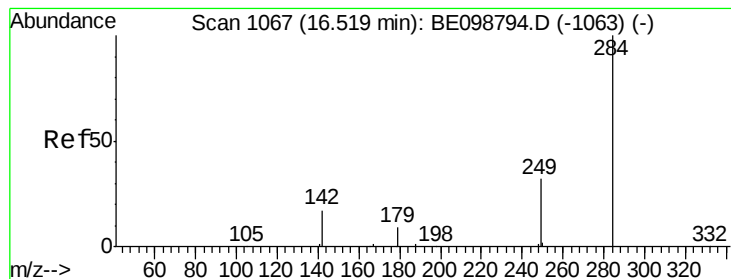


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.186 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

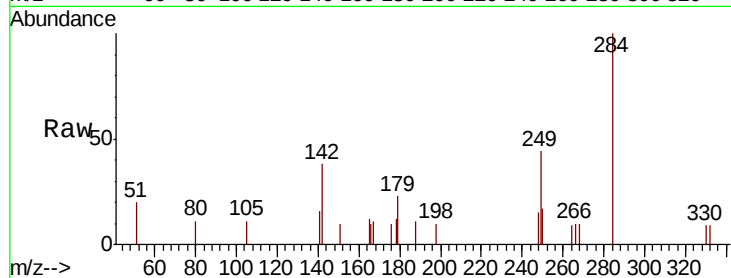
Tot Ion:284 Resp: 701

Ion Ratio Lower Upper

284 100

142 35.1 28.7 43.1

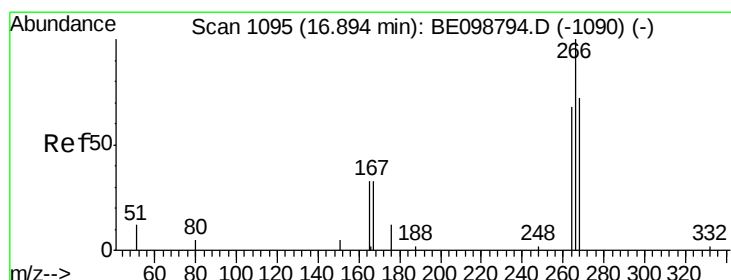
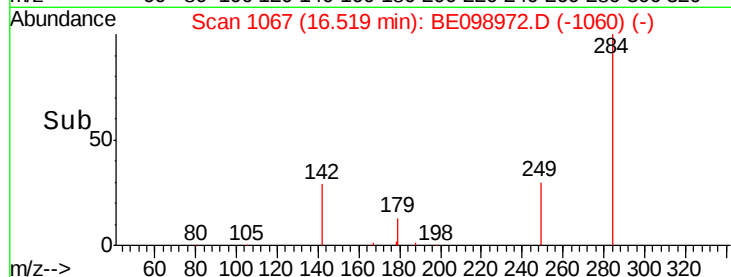
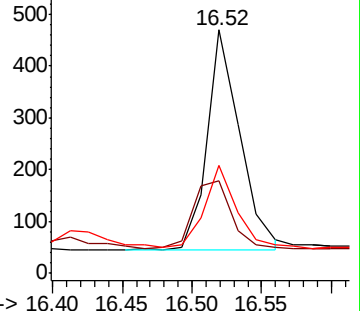
249 35.2 29.6 44.4



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: 0.290 ng

RT: 16.96 min Scan# 1100

Delta R.T. 0.07 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

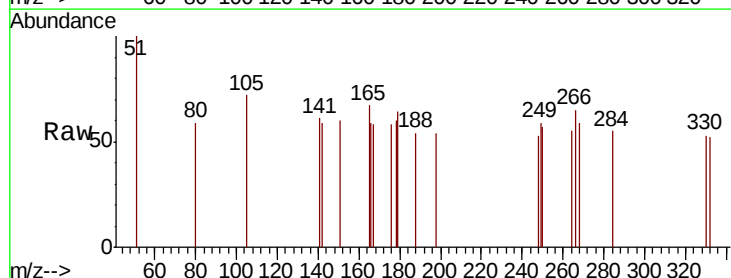
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 85.2 66.6 100.0

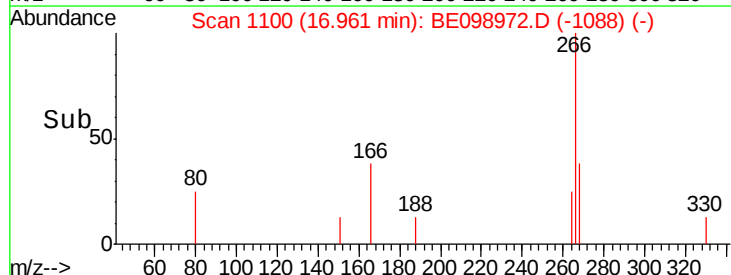
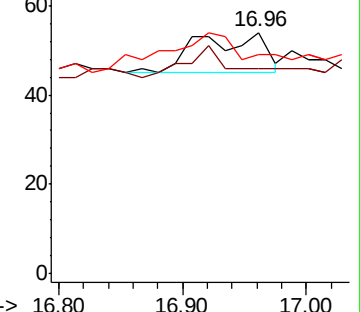
268 90.7 69.8 104.8

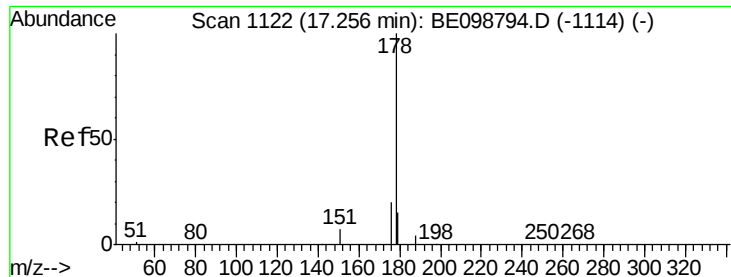


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.186 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

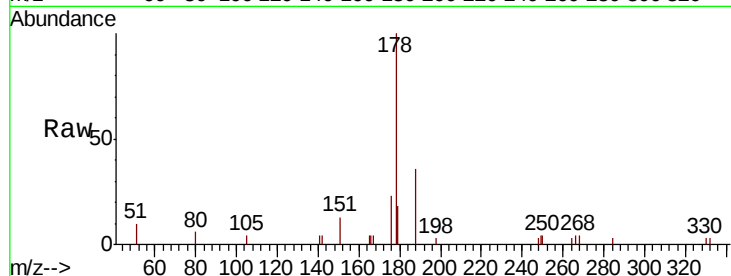
Tot Ion:178 Resp: 3101

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

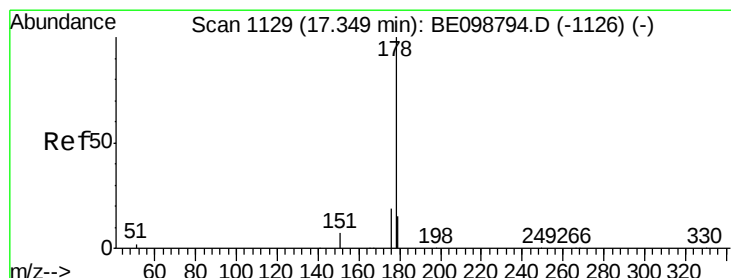
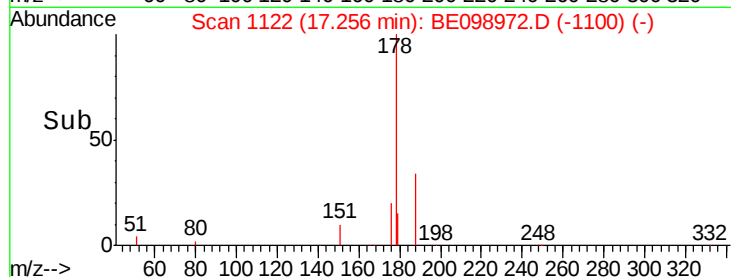
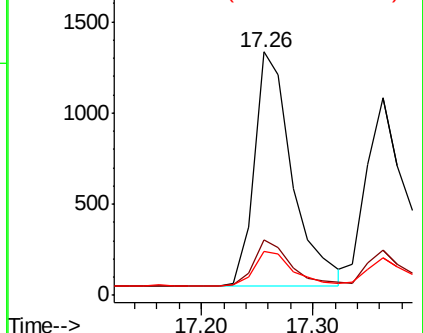
179 15.0 12.1 18.1



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: 0.159 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

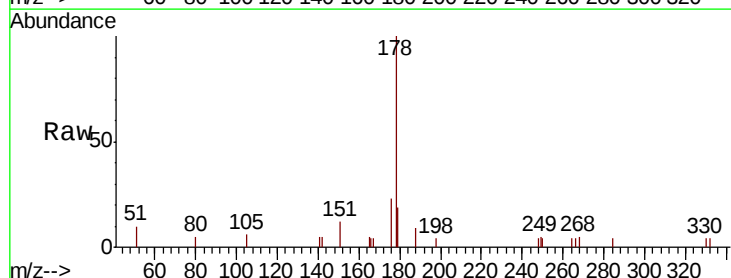
Tgt Ion:178 Resp: 2258

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

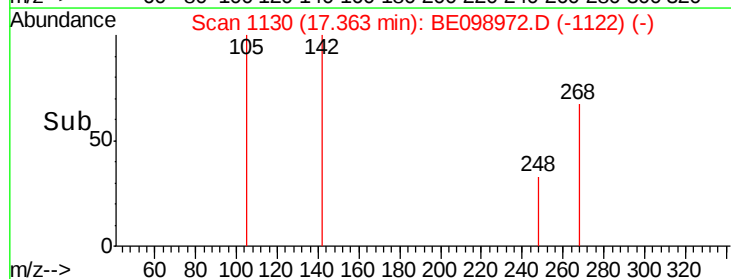
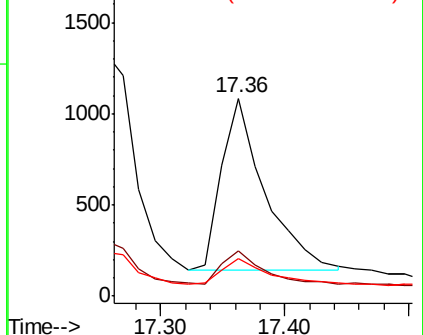
179 15.1 12.2 18.4

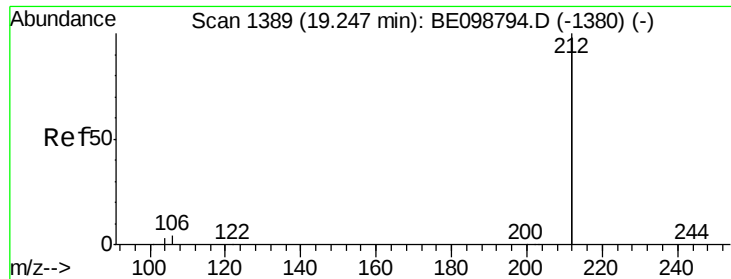


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.192 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

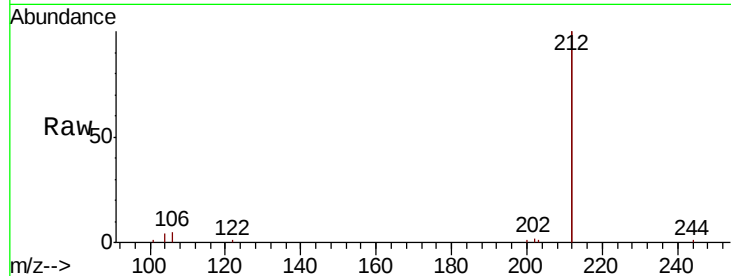
Tot Ion:212 Resp: 17936

Ion Ratio Lower Upper

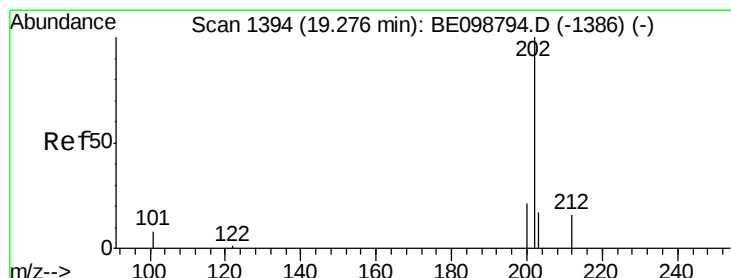
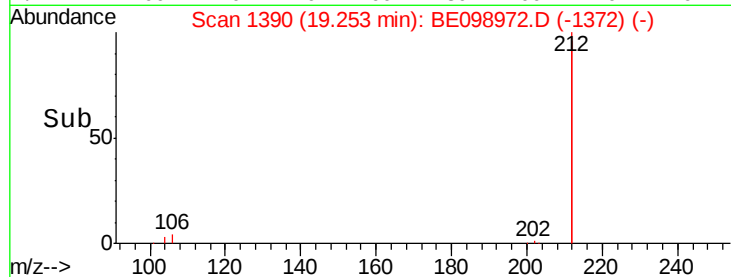
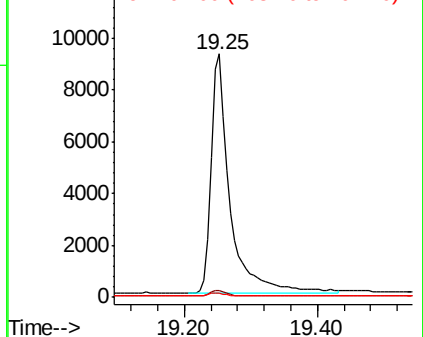
212 100

106 2.1 1.8 2.8

104 1.4 1.0 1.6



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: 0.185 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

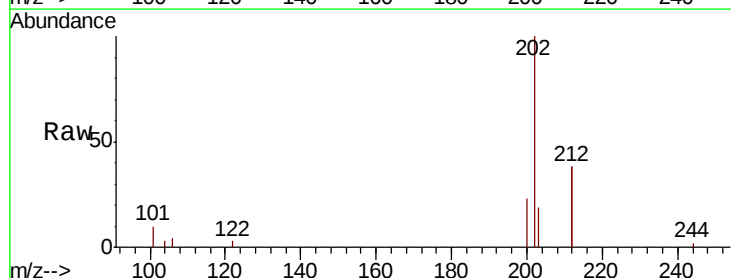
Tgt Ion:202 Resp: 4350

Ion Ratio Lower Upper

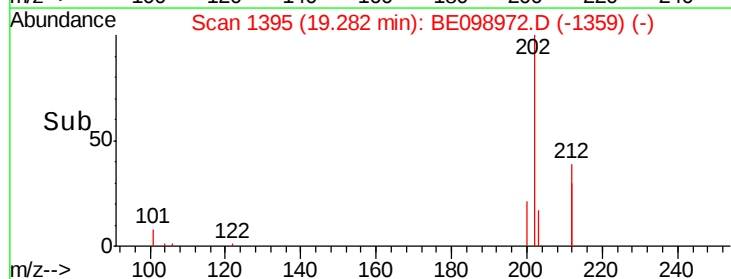
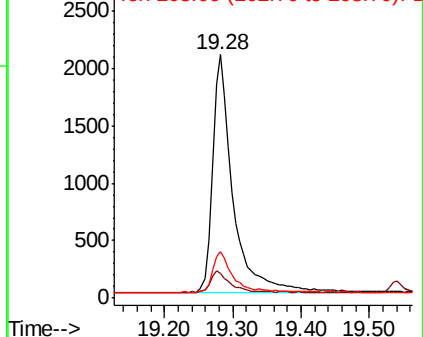
202 100

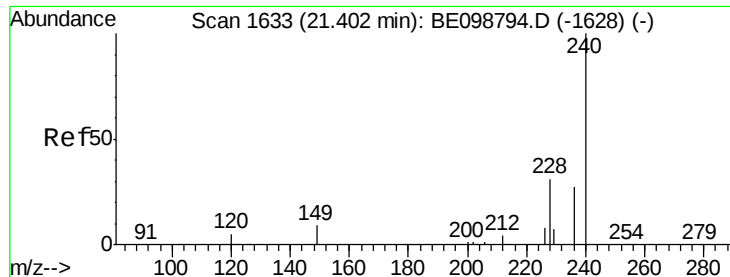
101 9.0 7.3 10.9

203 16.9 13.4 20.2



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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

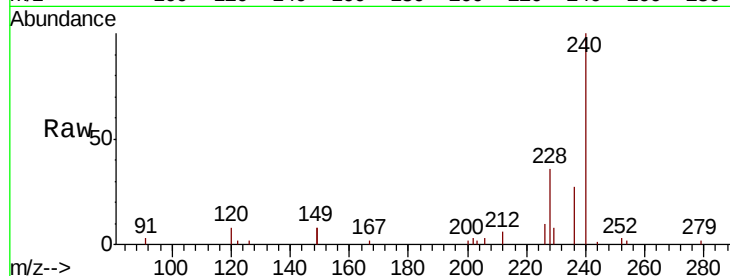
Tot Ion:240 Resp: 6959

Ion Ratio Lower Upper

240 100

120 7.8 5.0 7.4#

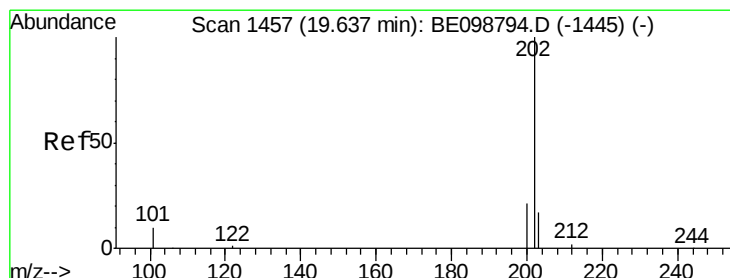
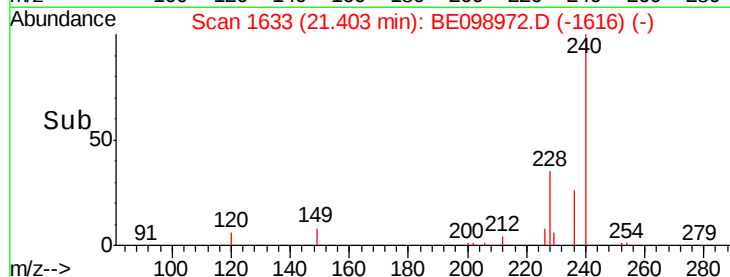
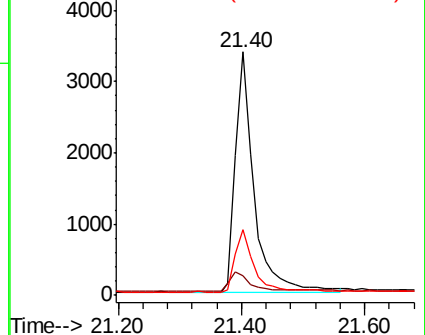
236 27.0 22.7 34.1



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: 0.212 ng

RT: 19.64 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

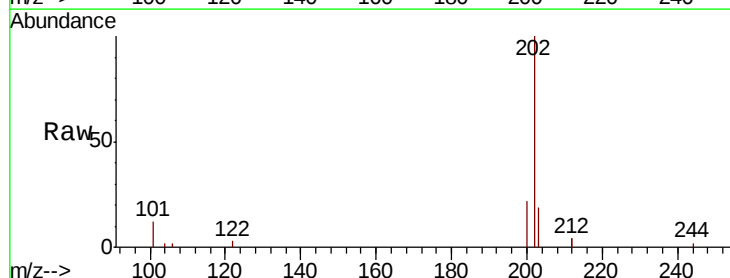
Tgt Ion:202 Resp: 4503

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

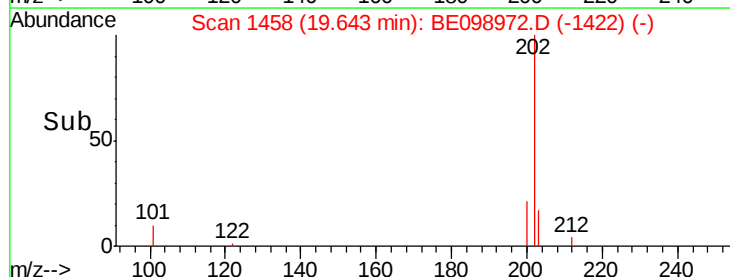
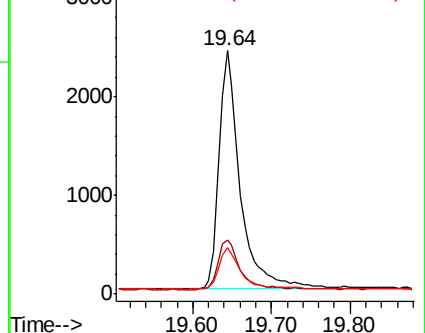
203 17.6 14.2 21.2

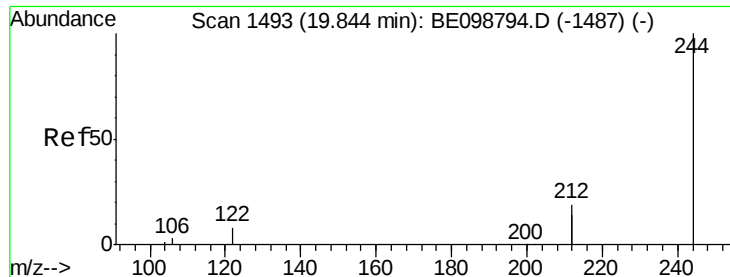


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.197 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

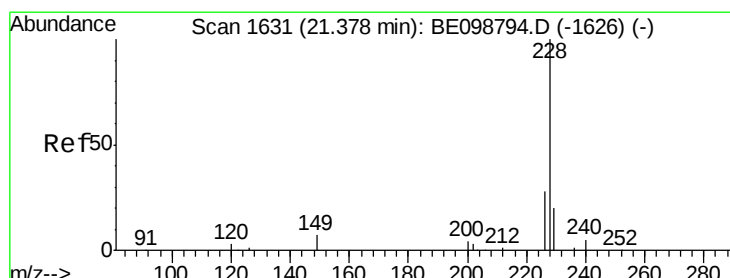
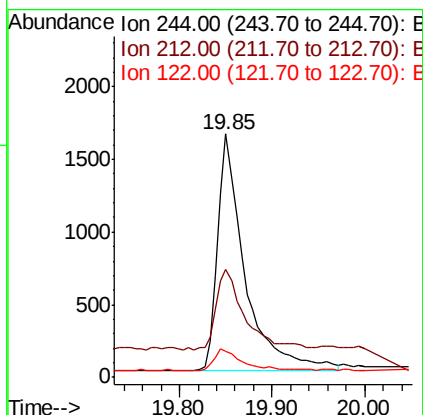
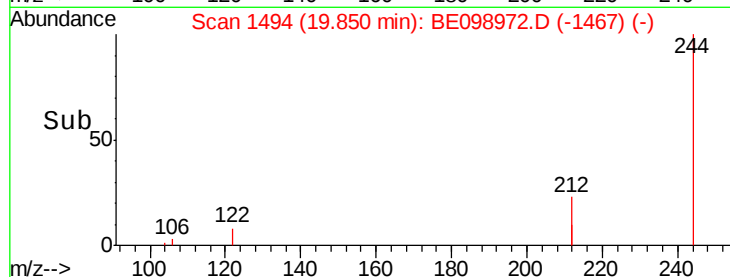
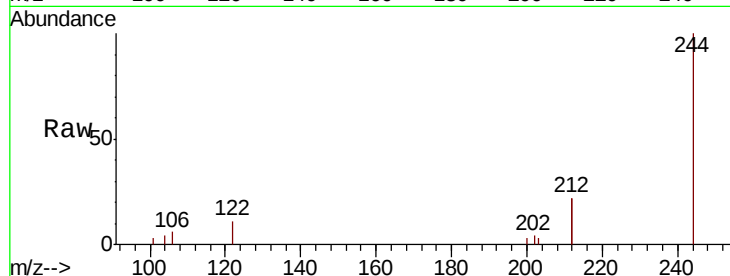
Tot Ion:244 Resp: 3336

Ion Ratio Lower Upper

244 100

212 44.2 29.4 44.2

122 10.9 7.1 10.7#



#30

Benzo(a)anthracene

Concen: 0.181 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

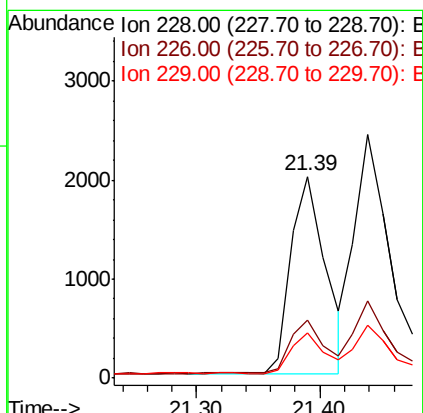
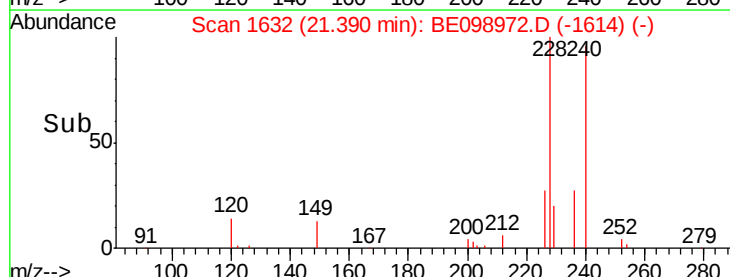
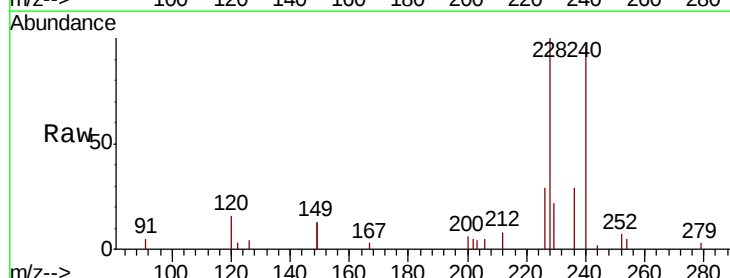
Tgt Ion:228 Resp: 3924

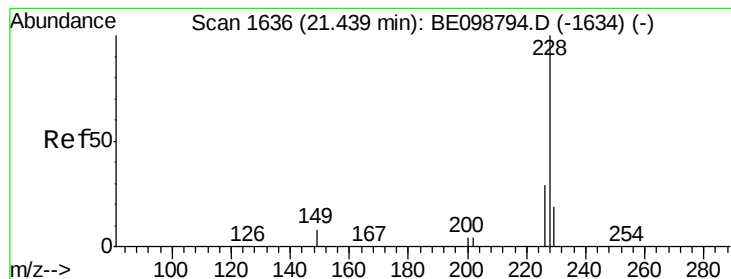
Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

229 22.2 16.5 24.7





#31

Chrysene

Concen: 0.199 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

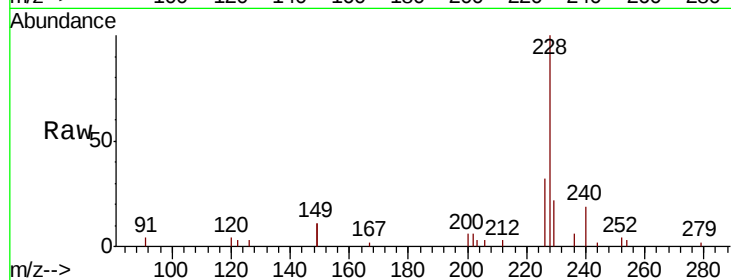
Tot Ion:228 Resp: 4613

Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

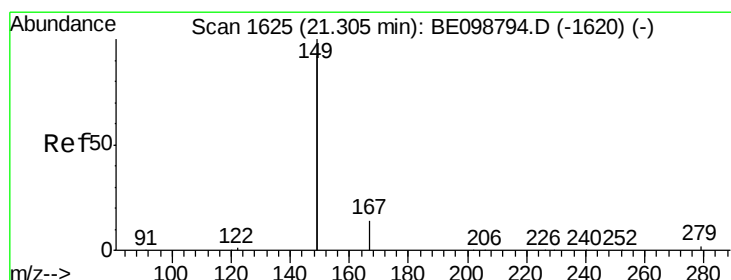
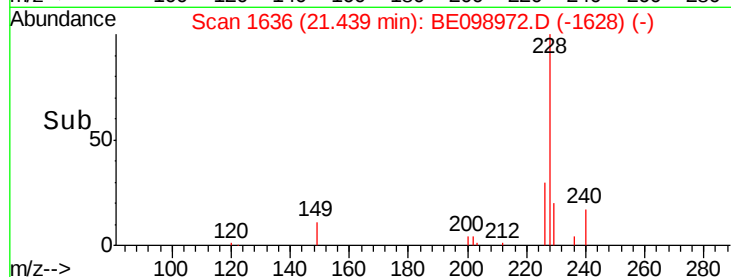
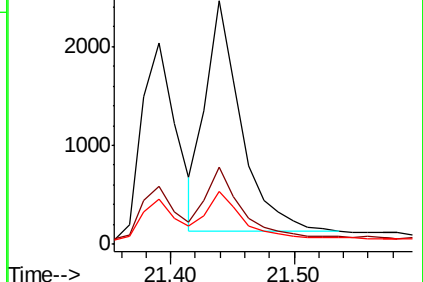
229 21.6 16.1 24.1



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: 0.165 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

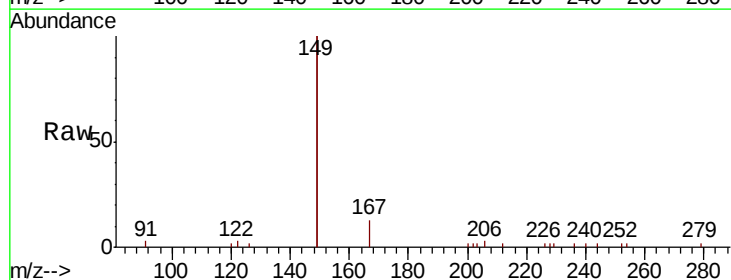
Tgt Ion:149 Resp: 7632

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

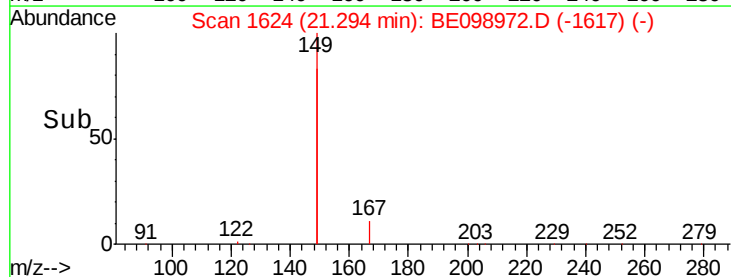
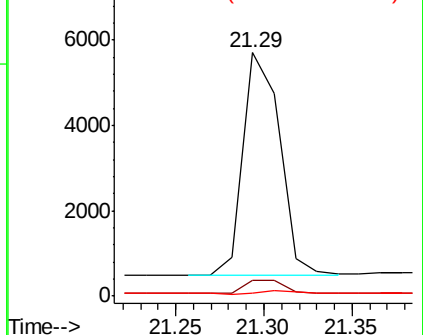
279 1.2 1.0 1.4

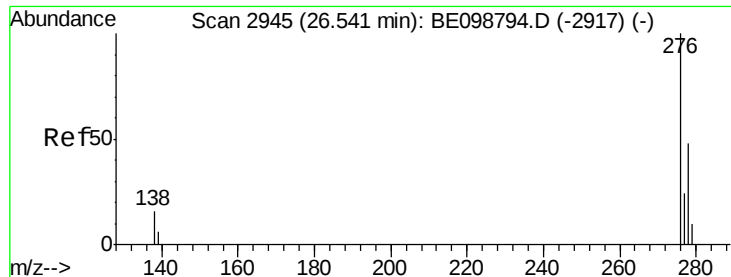


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.154 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.03 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

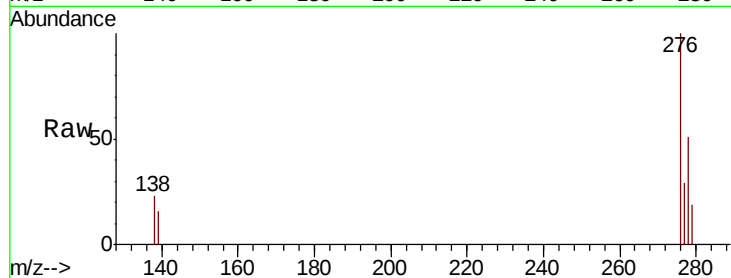
Tot Ion:276 Resp: 3779

Ion Ratio Lower Upper

276 100

138 9.4 13.8 20.8#

277 24.1 19.5 29.3

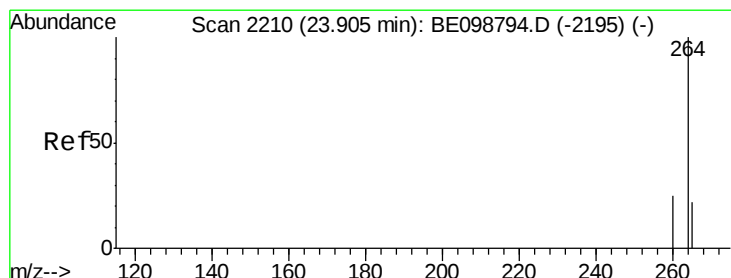
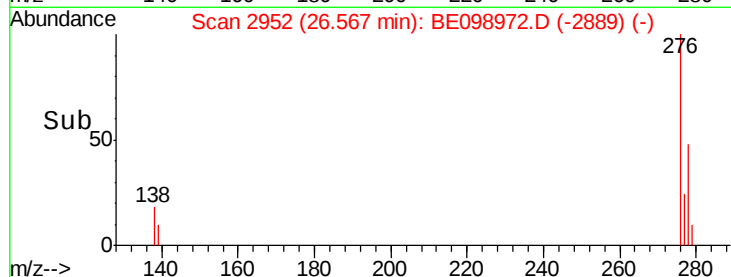
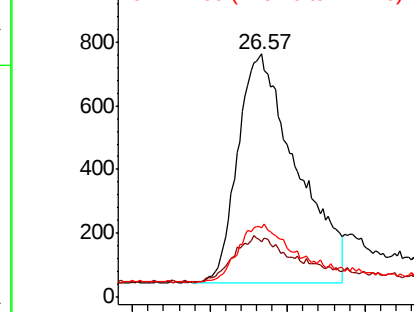


Abundance

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: 23.91 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

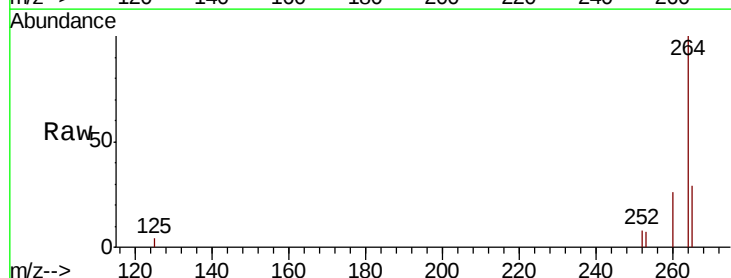
Tgt Ion:264 Resp: 6574

Ion Ratio Lower Upper

264 100

260 25.8 21.2 31.8

265 29.0 24.6 36.8

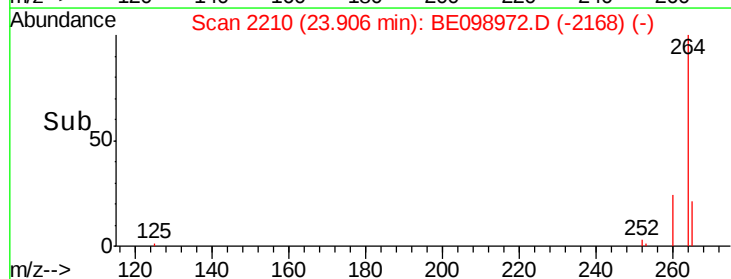
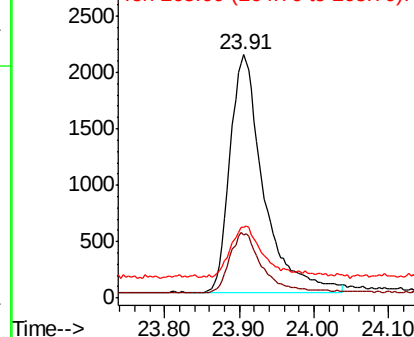


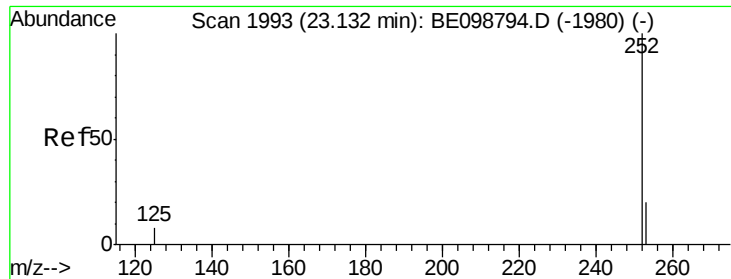
Abundance

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: 0.196 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

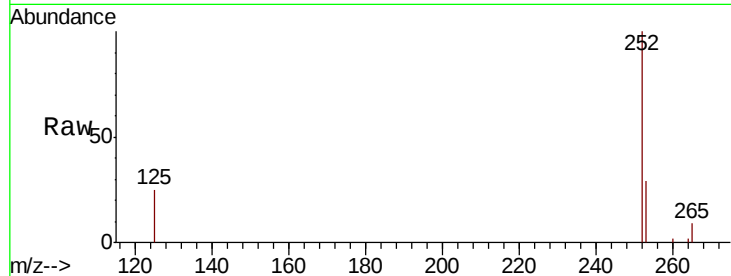
Tot Ion:252 Resp: 4232

Ion Ratio Lower Upper

252 100

253 28.6 18.2 27.2#

125 25.5 7.3 10.9#

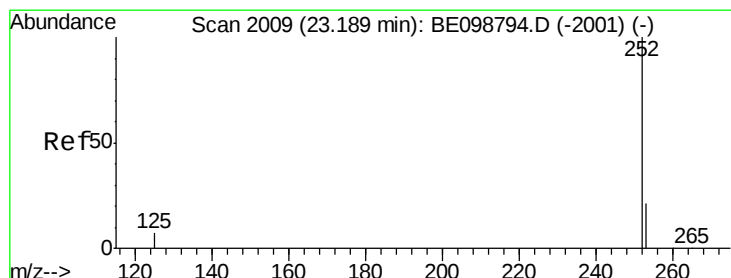
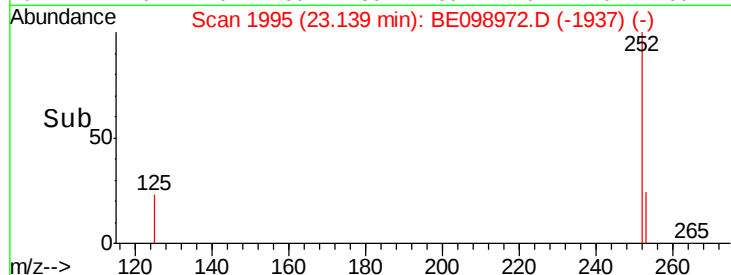
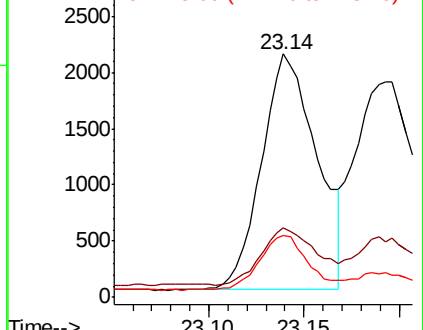


Abundance

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: 0.200 ng

RT: 23.19 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

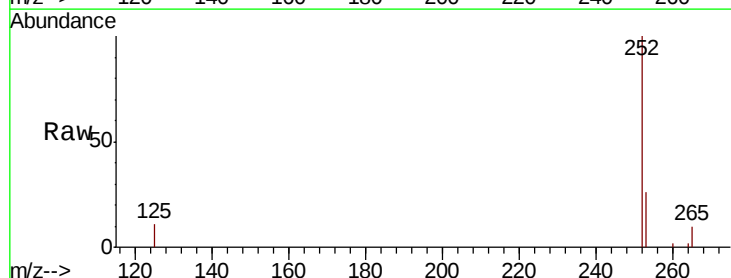
Tgt Ion:252 Resp: 4526

Ion Ratio Lower Upper

252 100

253 25.9 19.3 28.9

125 11.3 7.5 11.3

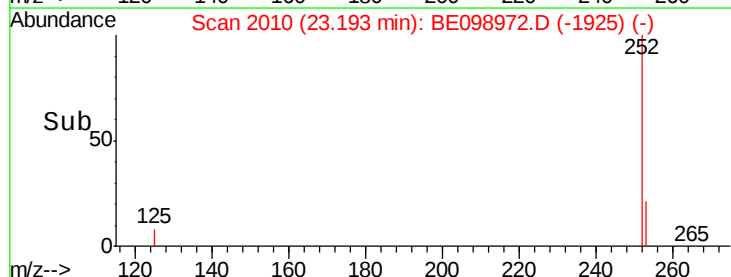
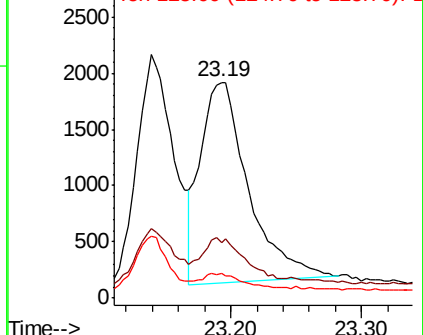


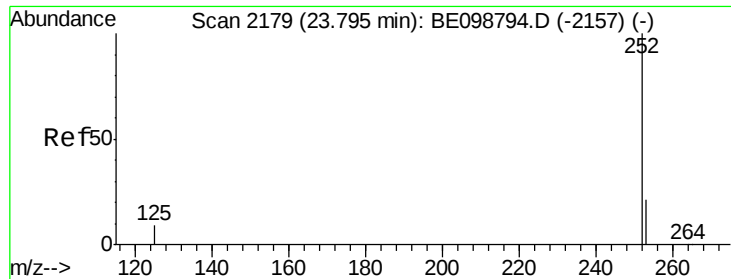
Abundance

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: 0.214 ng

RT: 23.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

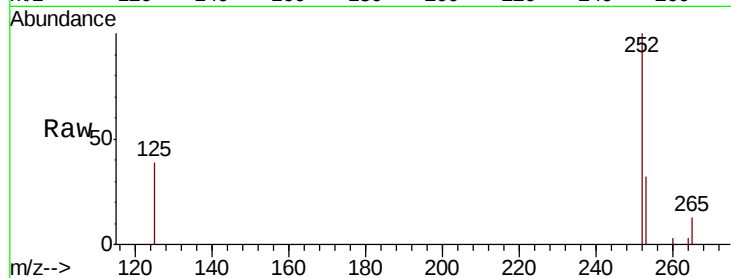
Tot Ion:252 Resp: 4439

Ion Ratio Lower Upper

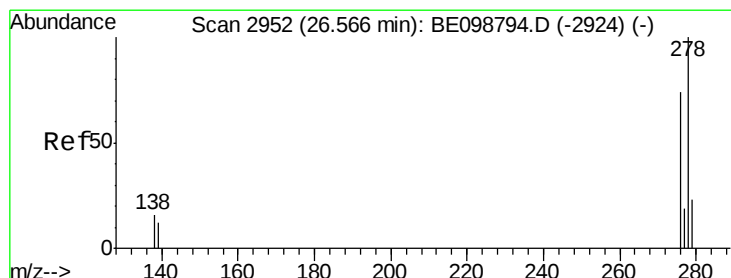
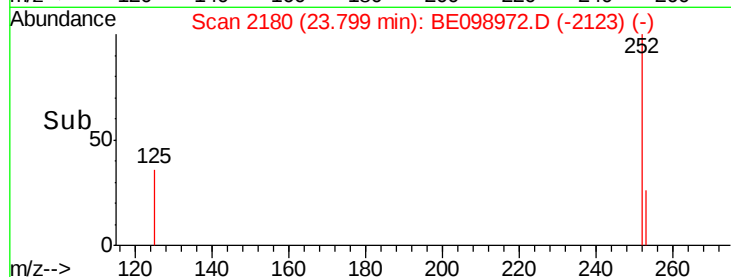
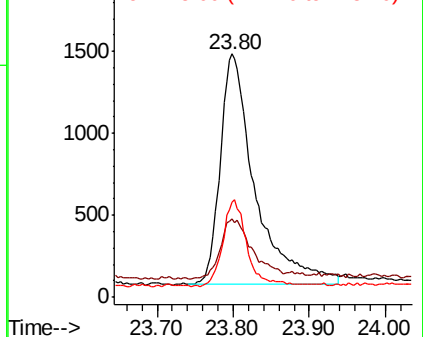
252 100

253 32.3 19.9 29.9#

125 39.1 9.0 13.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.151 ng

RT: 26.59 min Scan# 2958

Delta R.T. 0.02 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

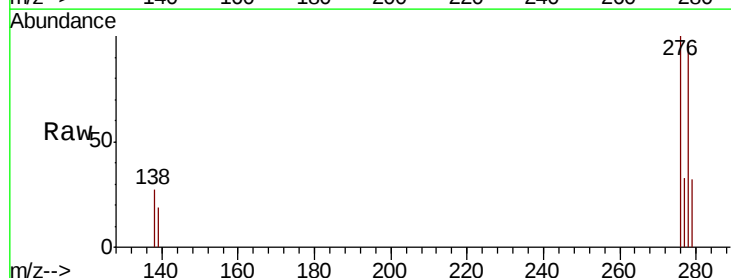
Tgt Ion:278 Resp: 2960

Ion Ratio Lower Upper

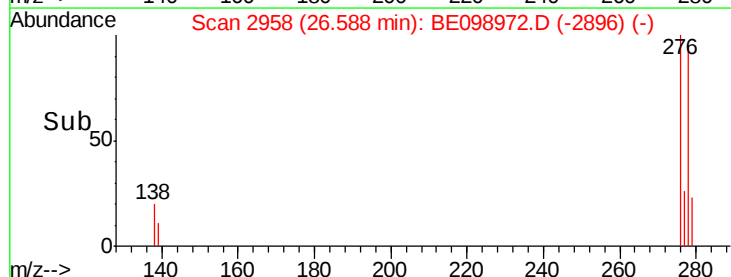
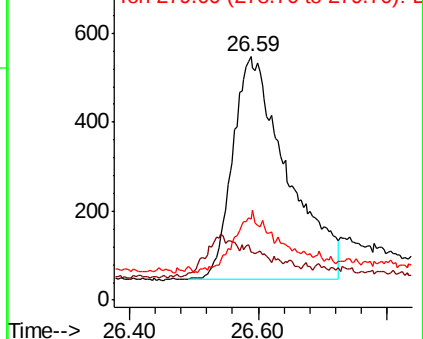
278 100

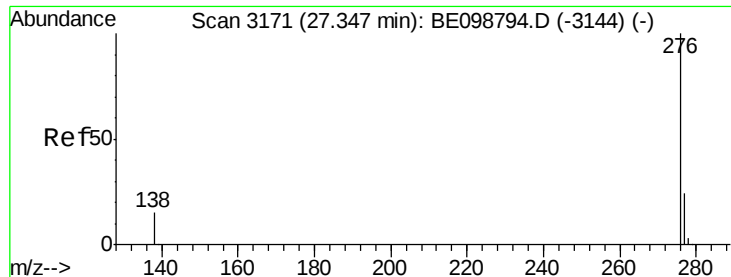
139 19.9 11.8 17.6#

279 33.5 21.1 31.7#



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(a,h,i)perylene

Concen: 0.190 ng

RT: 27.36 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BE098972.D

Acq: 15 Mar 2019 14:16

Instrument :

BNA_E

ClientSampleId :

PB117917BS

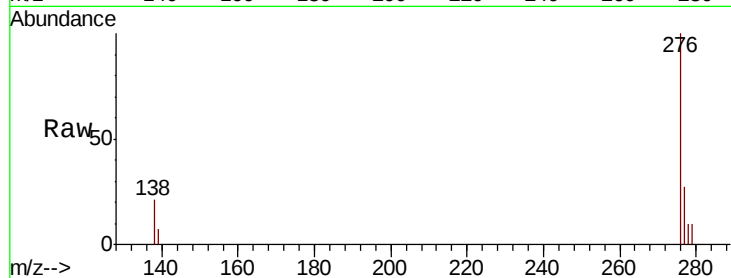
Tot Ion: 276 Resp: 3888

Ion Ratio Lower Upper

276 100

277 27.2 20.4 30.6

138 21.0 13.6 20.4



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

