

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012318\
 Data File : BE095102.D
 Acq On : 23 Jan 2018 18:02
 Operator : SJ/JU
 Sample : J1170-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 24 01:10:36 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE012318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 15:47:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6600	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	14890	0.40	ng	0.00
13) Acenaphthene-d10	15.03	164	8477	0.40	ng	0.00
19) Phenanthrene-d10	17.74	188	20051	0.40	ng	0.00
27) Chrysene-d12	21.84	240	18619	0.40	ng	0.00
34) Perylene-d12	24.49	264	15345	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.94	112	1474	0.14	ng	0.00
5) Phenol-d6	7.58	99	1392	0.09	ng	0.00
8) Nitrobenzene-d5	9.63	82	6162	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.84	152	10290	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.50	330	424	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.68	172	18782	0.50	ng	0.00
25) Fluoranthene-d10	19.72	212	108184	0.43	ng	0.00
29) Terphenyl-d14	20.28	244	22740	0.60	ng	0.00

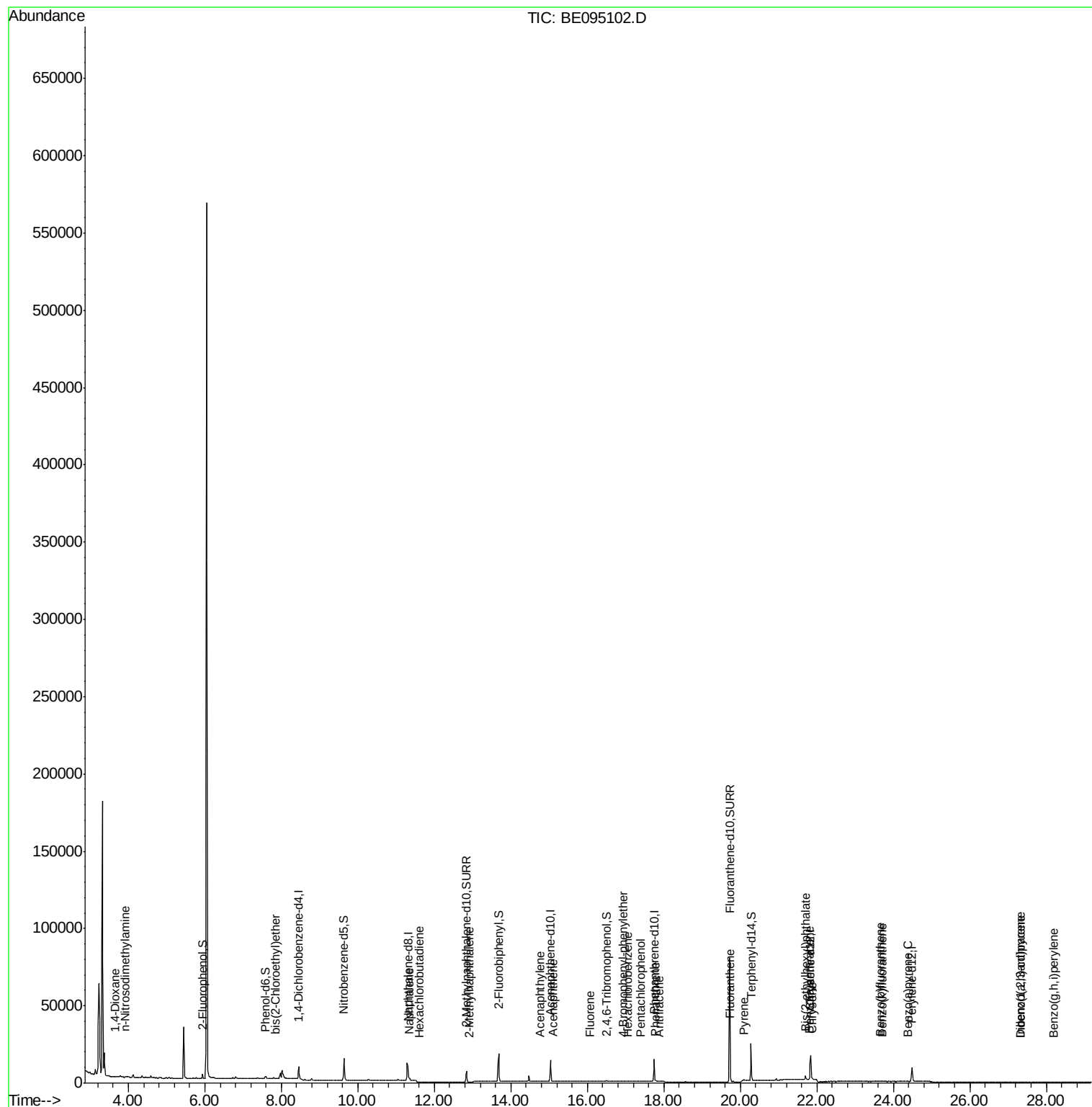
Target Compounds						Qvalue
2) 1,4-Dioxane	3.65	88	187	0.029	ng	# 1
3) n-Nitrosodimethylamine	3.93	42	211	0.027	ng	# 1
6) bis(2-Chloroethyl)ether	7.84	93	30	0.002	ng	# 1
9) Naphthalene	11.34	128	1928	0.011	ng	# 89
10) Hexachlorobutadiene	11.61	225	9	0.001	ng	# 28
12) 2-Methylnaphthalene	12.91	142	201	0.007	ng	# 81
16) Acenaphthylene	14.76	152	74	0.002	ng	# 14
17) Acenaphthene	15.09	154	64	0.002	ng	# 69
18) Fluorene	16.07	166	123	0.003	ng	# 59
20) 4-Bromophenyl-phenylether	16.94	248	70	0.006	ng	# 53
21) Hexachlorobenzene	17.06	284	99	0.008	ng	# 51
22) Pentachlorophenol	17.39	266	67	0.060	ng	# 93
23) Phenanthrene	17.79	178	520	0.008	ng	# 94
24) Anthracene	17.88	178	154	0.003	ng	# 62
26) Fluoranthene	19.74	202	728	0.010	ng	# 89
28) Pyrene	20.10	202	767	0.010	ng	# 83
30) Benzo(a)anthracene	21.81	228	559	0.010	ng	# 77
31) Chrysene	21.87	228	596	0.010	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.70	149	3339	0.041	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.32	276	507	0.009	ng	# 93
35) Benzo(b)fluoranthene	23.67	252	611	0.011	ng	# 39
36) Benzo(k)fluoranthene	23.72	252	530	0.010	ng	# 7
37) Benzo(a)pyrene	24.37	252	181	0.004	ng	# 1
38) Dibenzo(a,h)anthracene	27.34	278	181	0.004	ng	# 33
39) Benzo(g,h,i)perylene	28.19	276	452	0.010	ng	# 47

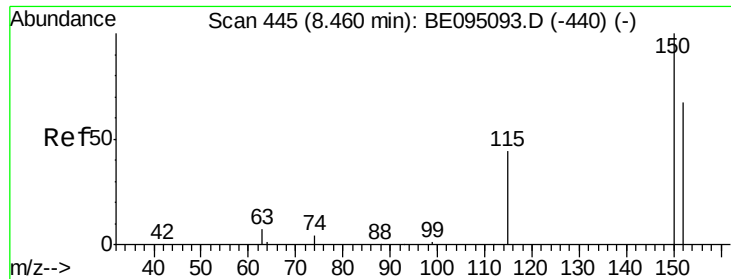
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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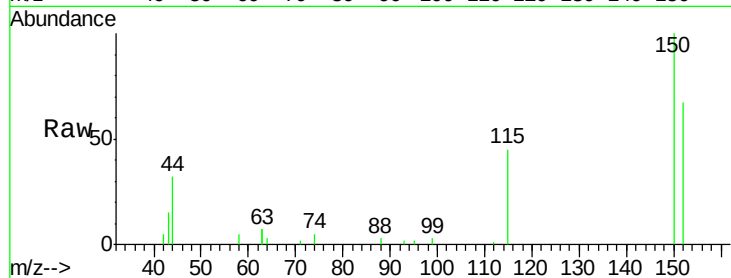


#1

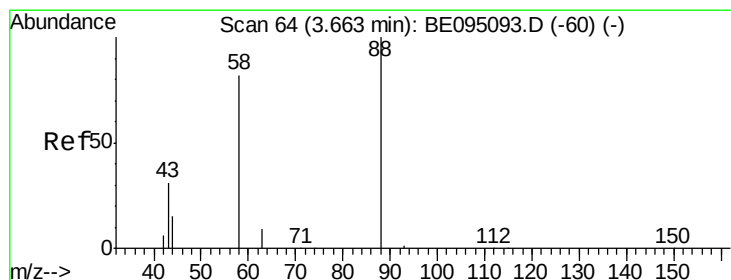
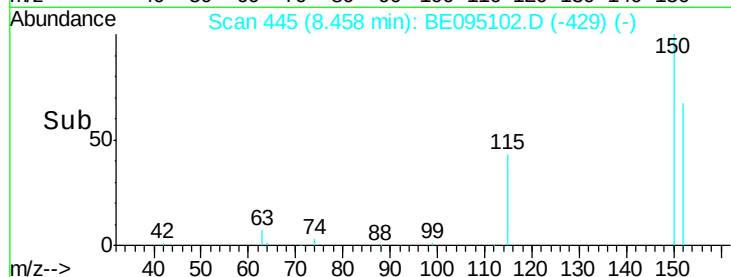
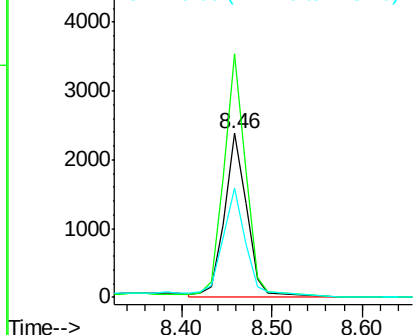
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.00 min
Lab File: BE095102.D
Acq: 23 Jan 2018 18:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 6600
Ion Ratio Lower Upper
152 100
150 148.6 117.2 175.8
115 66.4 57.0 85.6



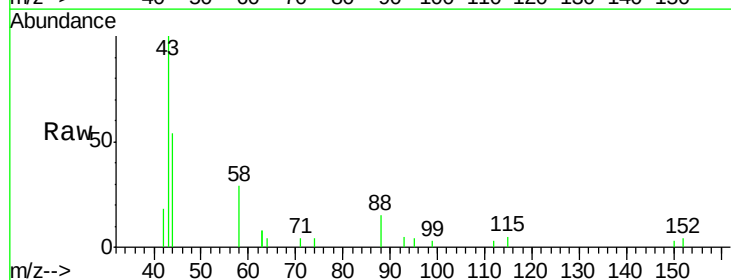
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



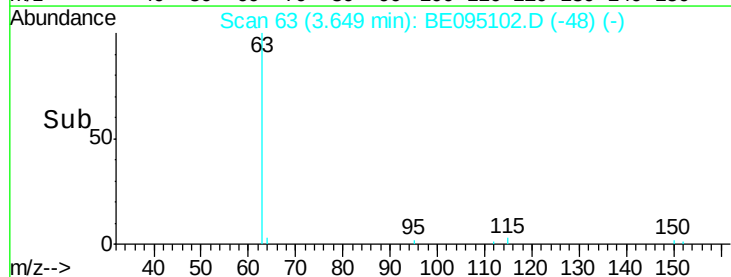
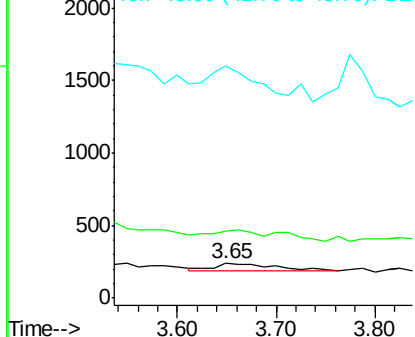
#2

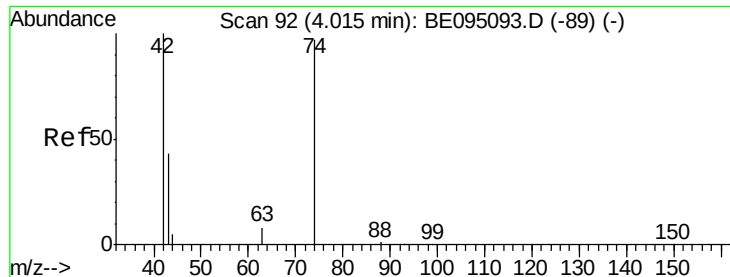
1,4-Dioxane
Concen: 0.029 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.01 min
Lab File: BE095102.D
Acq: 23 Jan 2018 18:02

Tgt Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
58 48.1 63.2 94.8#
43 320.3 41.2 61.8#



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: 0.027 ng

RT: 3.93 min Scan# 85

Delta R.T. -0.09 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

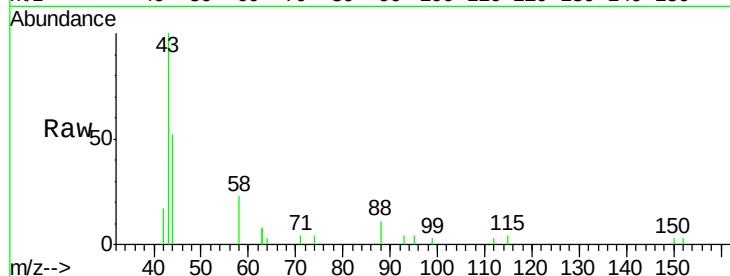
Tot Ion: 42 Resp: 211

Ion Ratio Lower Upper

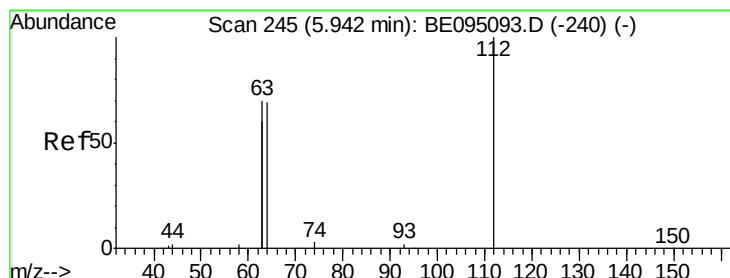
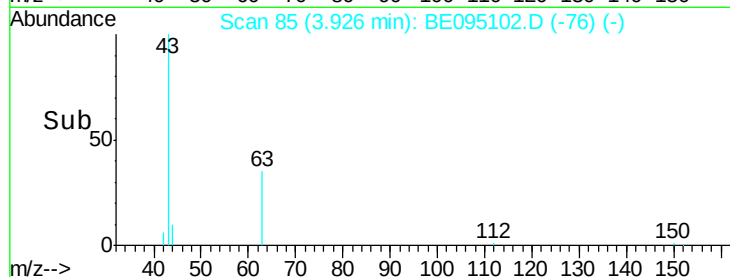
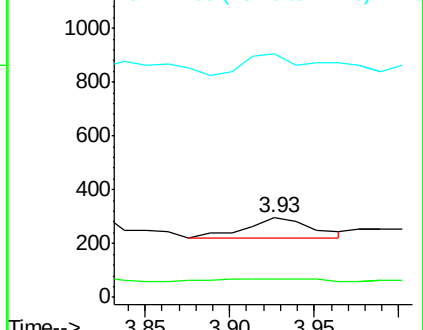
42 100

74 11.8 96.0 144.0#

44 121.8 12.0 18.0#



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: 0.138 ng

RT: 5.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

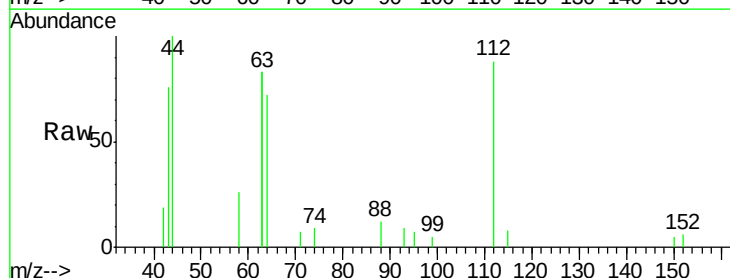
Tgt Ion: 112 Resp: 1474

Ion Ratio Lower Upper

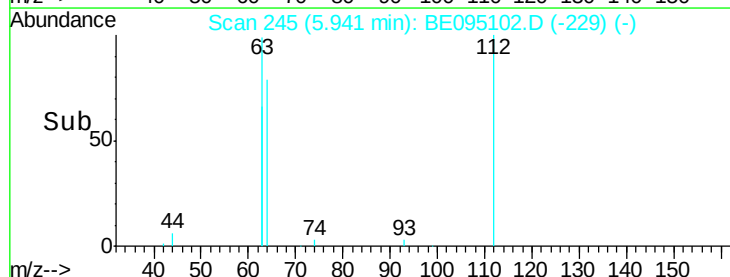
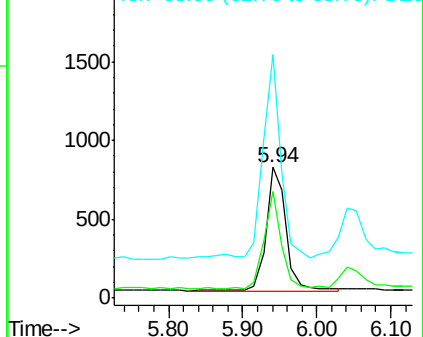
112 100

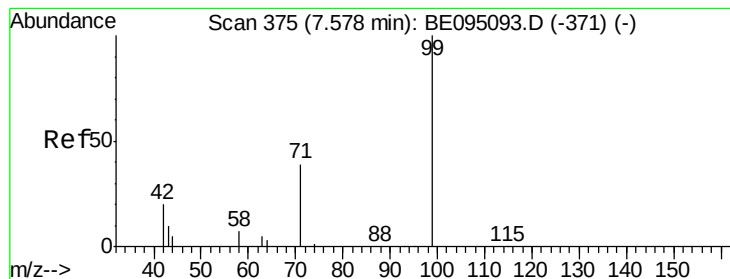
64 67.7 60.1 90.1

63 152.6 116.8 175.2



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: 0.086 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampled :

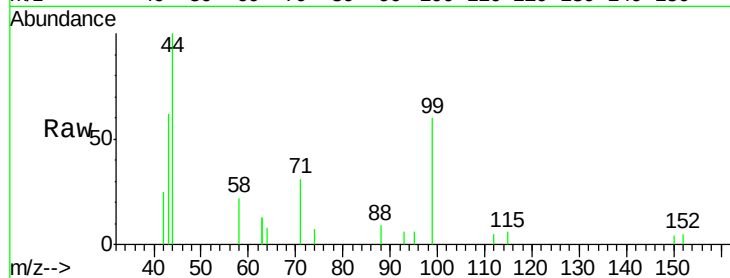
Tot Ion: 99 Resp: 1392

Ion Ratio Lower Upper

99 100

42 28.5 20.2 30.2

71 37.0 28.4 42.6



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

7.58

800

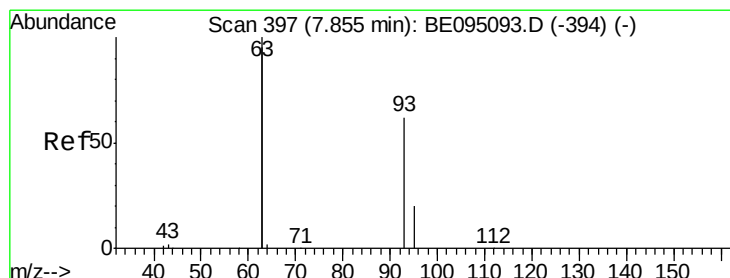
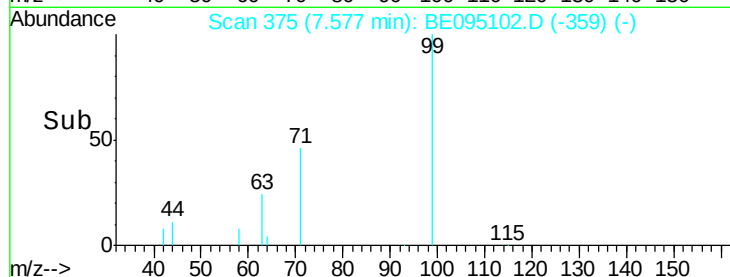
600

400

200

0

Time--> 7.40 7.50 7.60 7.70 7.80



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 7.84 min Scan# 396

Delta R.T. -0.01 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

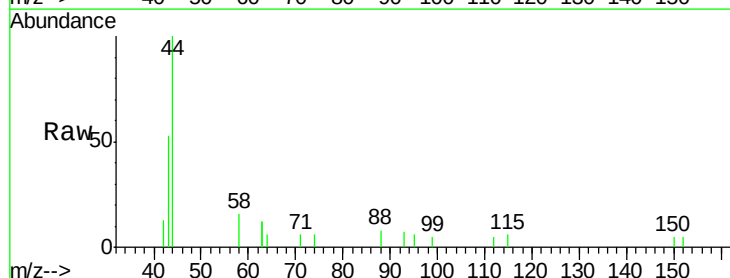
Tgt Ion: 93 Resp: 30

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 25.2 37.8#



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

500

400

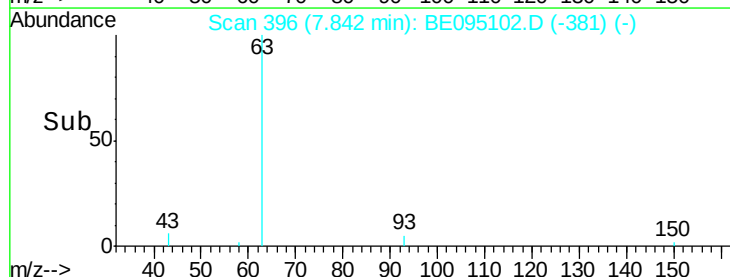
300

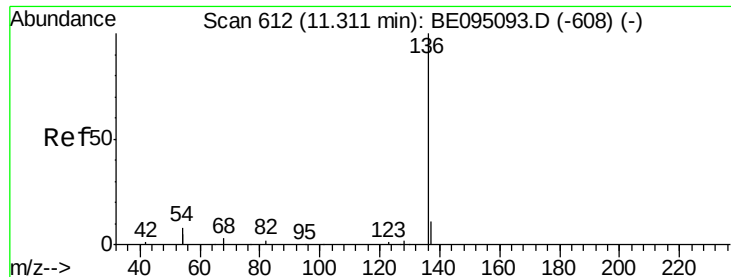
200

100

0

Time--> 7.80 7.85 7.90 7.95





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14890

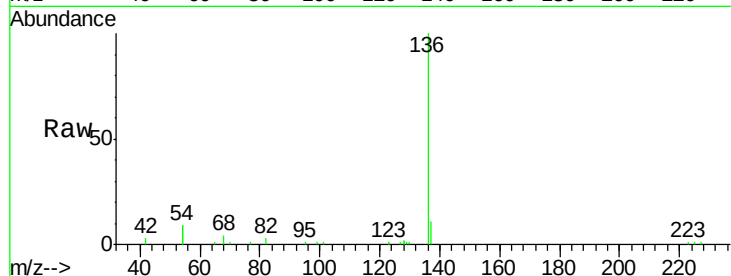
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 18.0 29.1 43.7#

68 4.5 6.2 9.2#

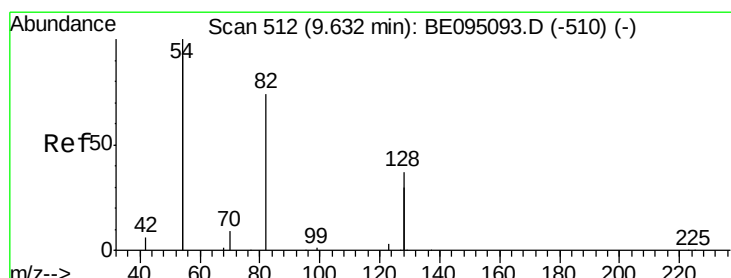
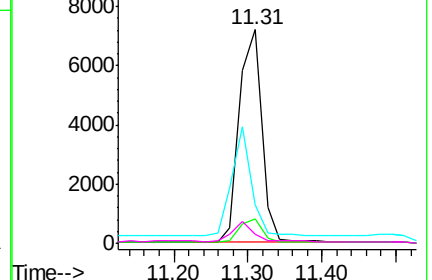
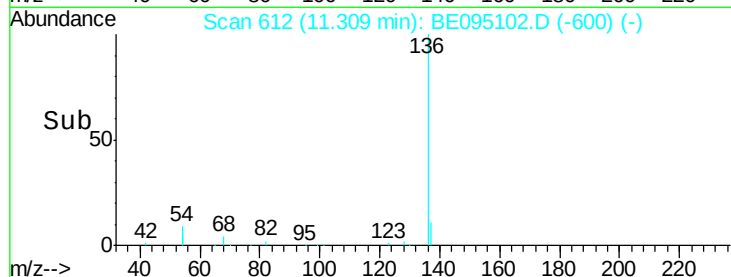


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.455 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

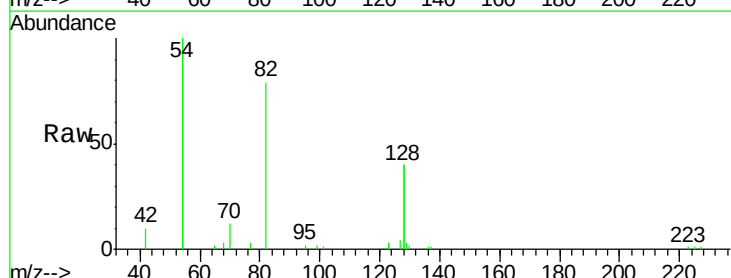
Tgt Ion: 82 Resp: 6162

Ion Ratio Lower Upper

82 100

128 99.9 150.0 225.0#

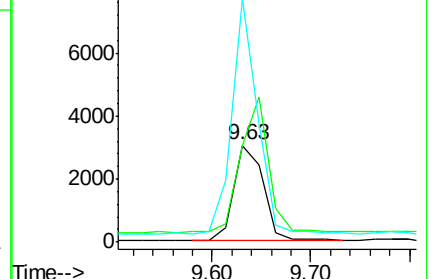
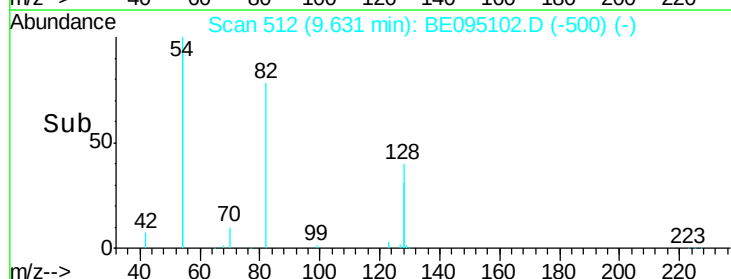
54 252.3 154.2 231.4#

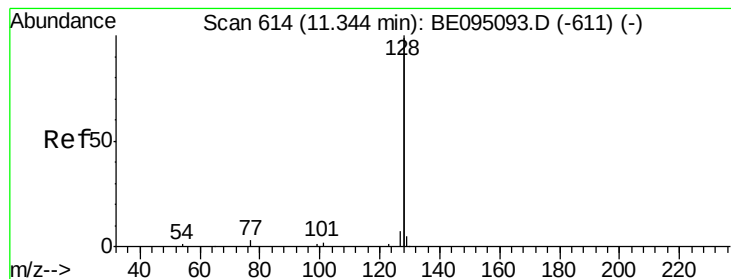


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.011 ng

RT: 11.34 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampled :

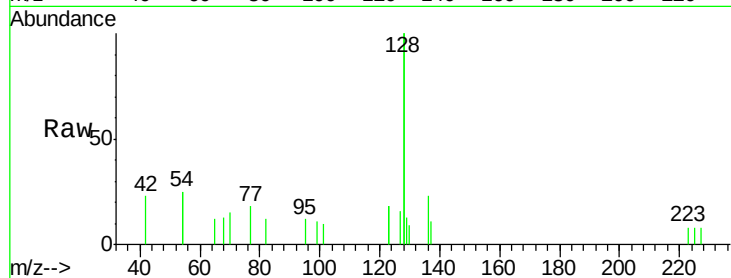
Tot Ion:128 Resp: 1928

Ion Ratio Lower Upper

128 100

129 6.3 2.6 3.8#

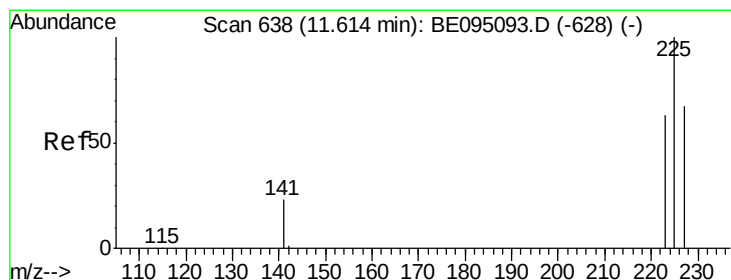
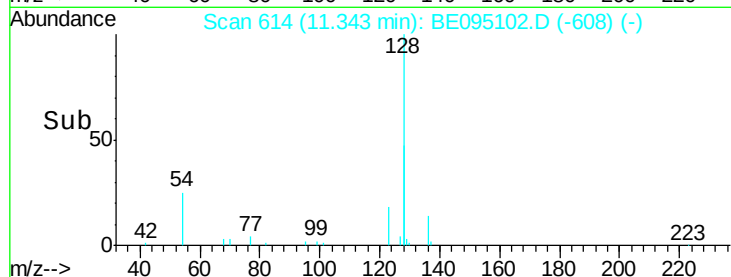
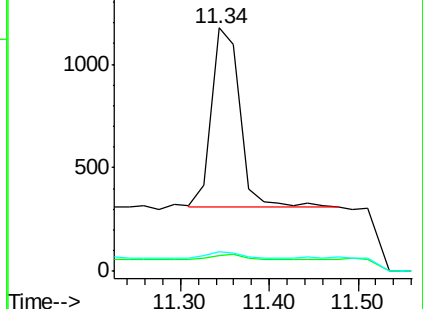
127 7.8 2.8 4.2#



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: 0.001 ng

RT: 11.61 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

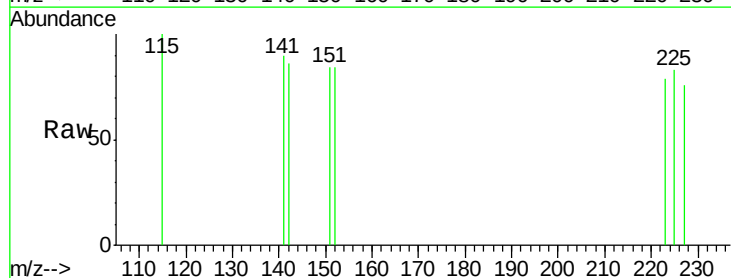
Tgt Ion:225 Resp: 9

Ion Ratio Lower Upper

225 100

223 88.9 53.0 79.6#

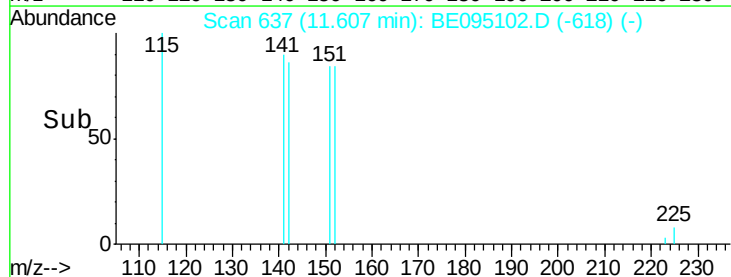
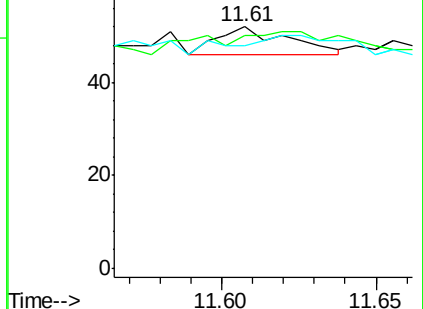
227 155.6 51.4 77.2#

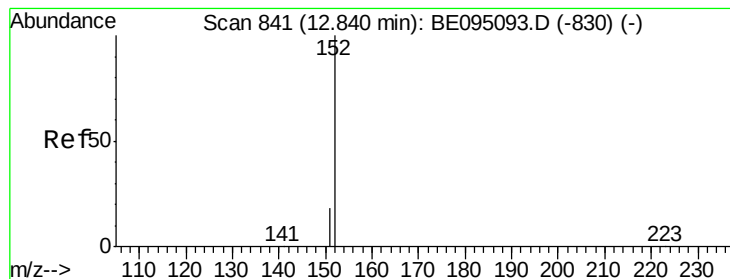


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.416 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

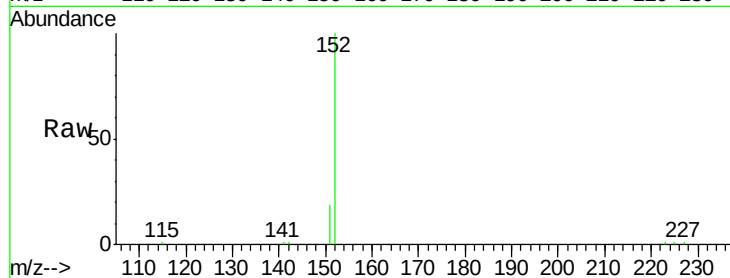
ClientSampleId :

Tot Ion:152 Resp: 10290

Ion Ratio Lower Upper

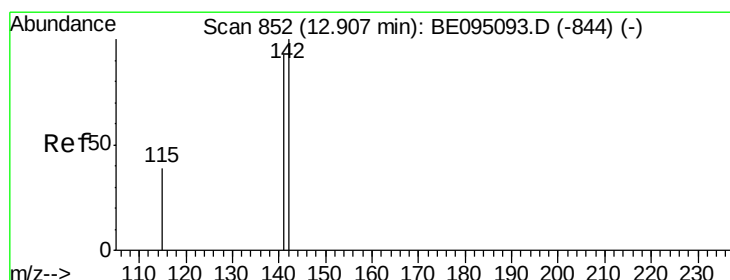
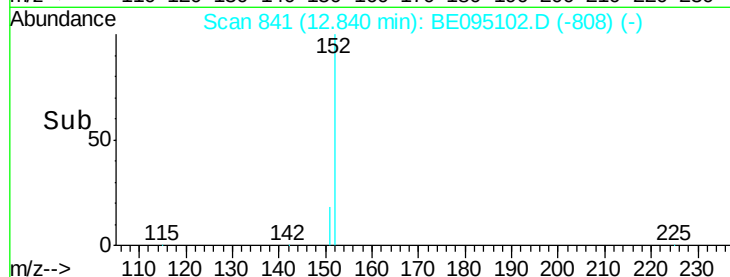
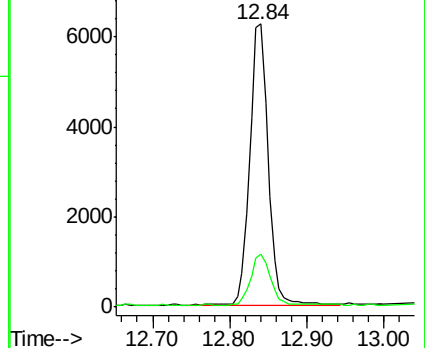
152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.91 min Scan# 852

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

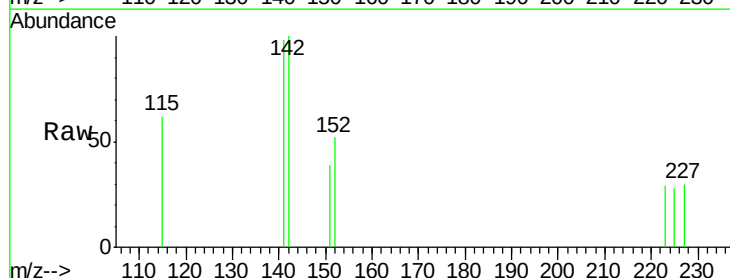
Tgt Ion:142 Resp: 201

Ion Ratio Lower Upper

142 100

141 98.2 70.4 105.6

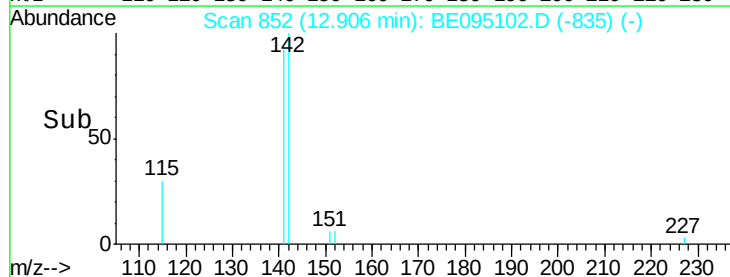
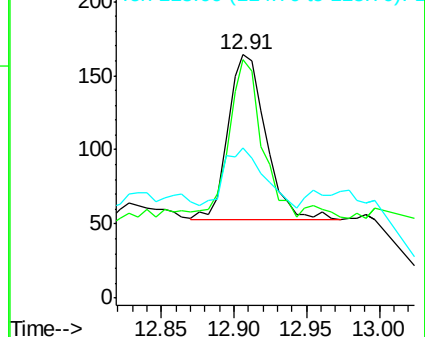
115 61.6 31.7 47.5#

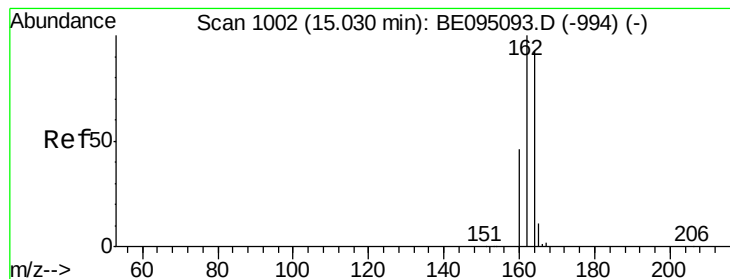


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.03 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

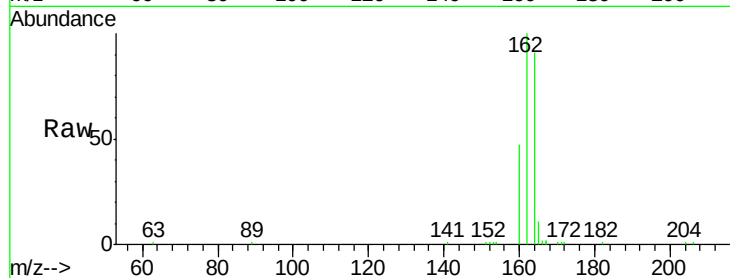
Tot Ion:164 Resp: 8477

Ion Ratio Lower Upper

164 100

162 110.2 83.1 124.7

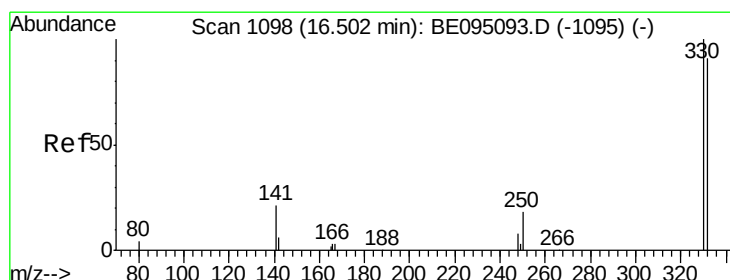
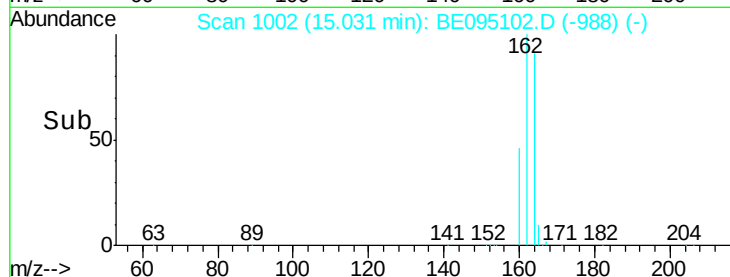
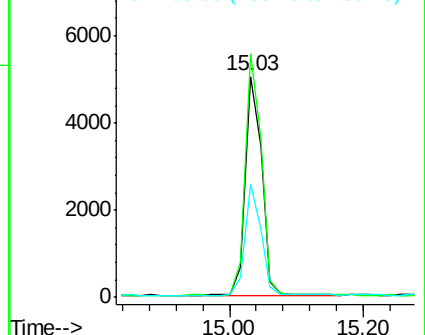
160 51.4 37.1 55.7



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: 0.244 ng

RT: 16.50 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

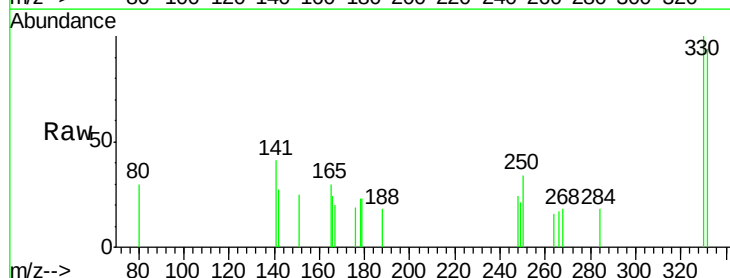
Tgt Ion:330 Resp: 424

Ion Ratio Lower Upper

330 100

332 85.8 152.7 229.1#

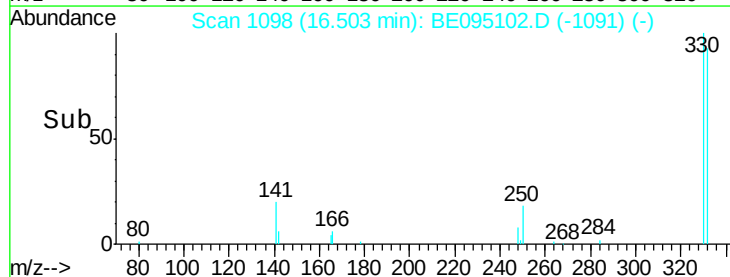
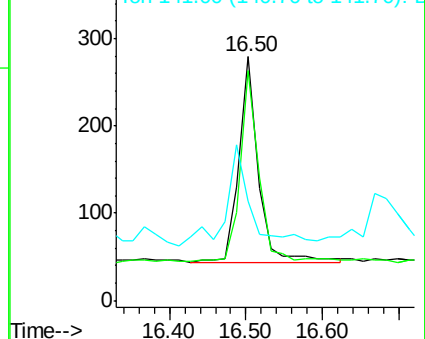
141 47.2 33.7 50.5

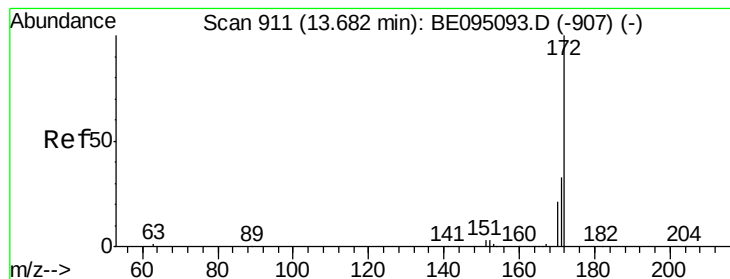


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.504 ng

RT: 13.68 min Scan# 911

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

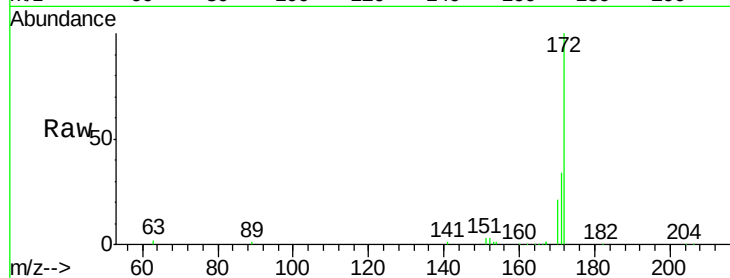
Tot Ion:172 Resp: 18782

Ion Ratio Lower Upper

172 100

171 34.2 29.9 44.9

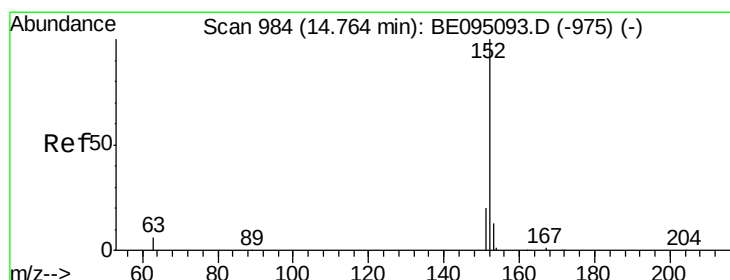
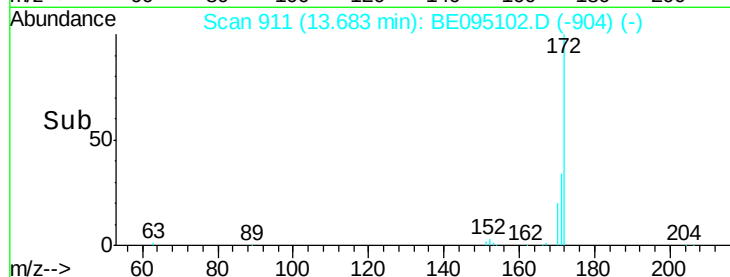
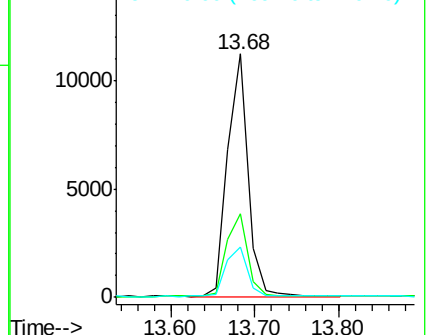
170 20.7 21.8 32.8#



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: 0.002 ng

RT: 14.76 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

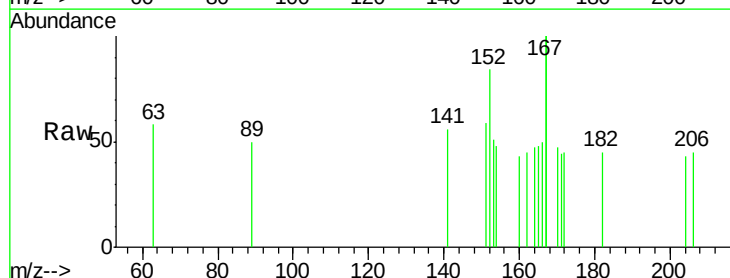
Tgt Ion:152 Resp: 74

Ion Ratio Lower Upper

152 100

151 60.8 15.7 23.5#

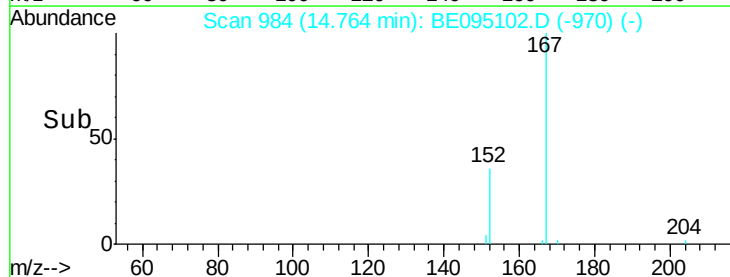
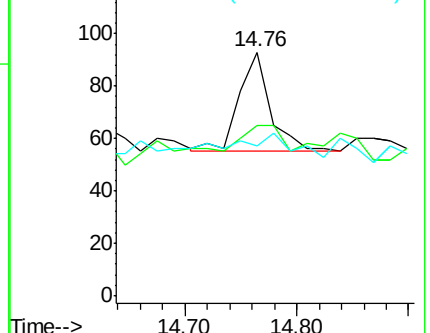
153 44.6 10.5 15.7#

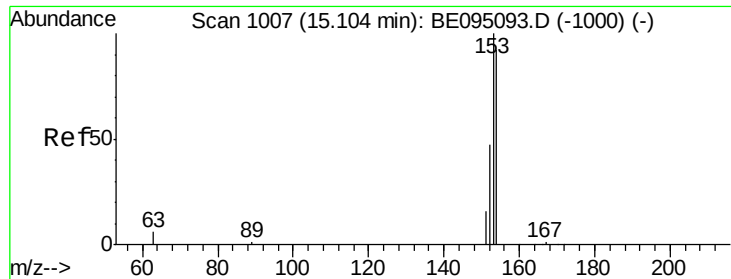


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.002 ng

RT: 15.09 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

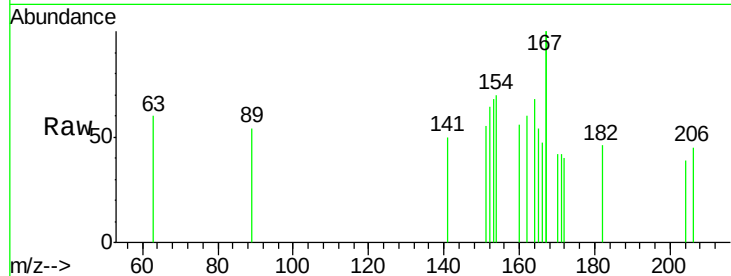
Tot Ion:154 Resp: 64

Ion Ratio Lower Upper

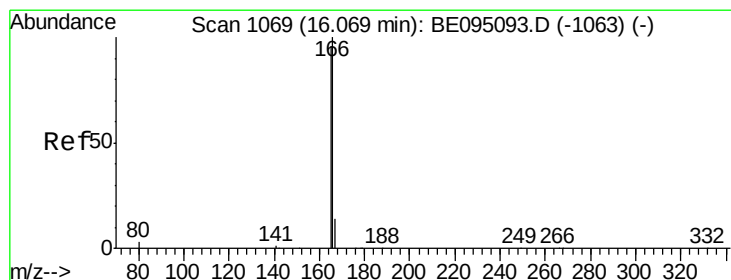
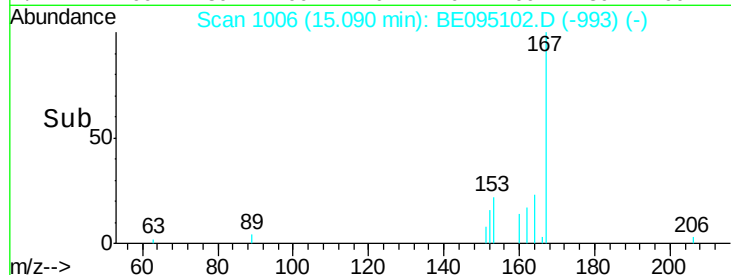
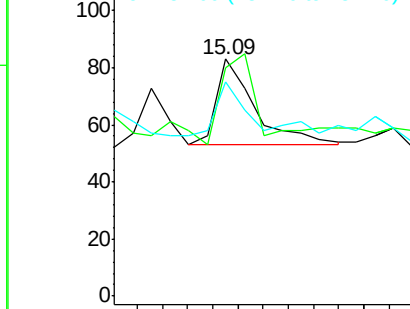
154 100

153 68.8 89.2 133.8#

152 60.9 42.0 63.0



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: 0.003 ng

RT: 16.07 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

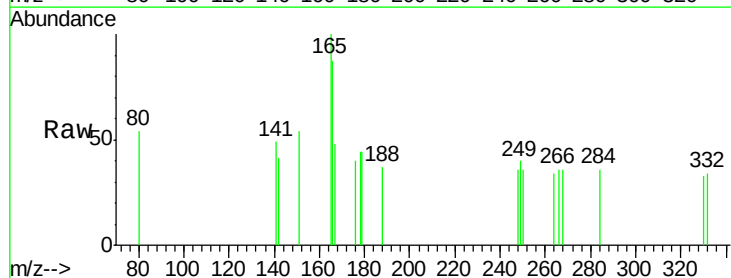
Tgt Ion:166 Resp: 123

Ion Ratio Lower Upper

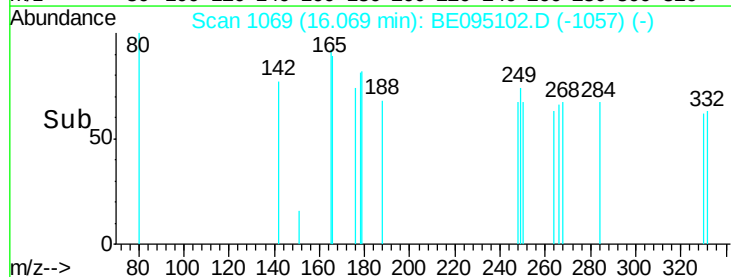
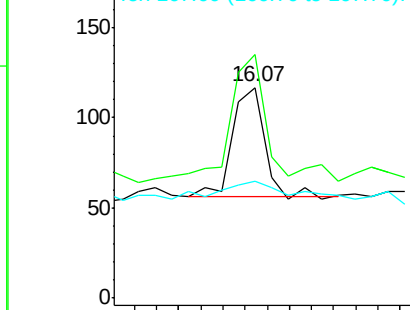
166 100

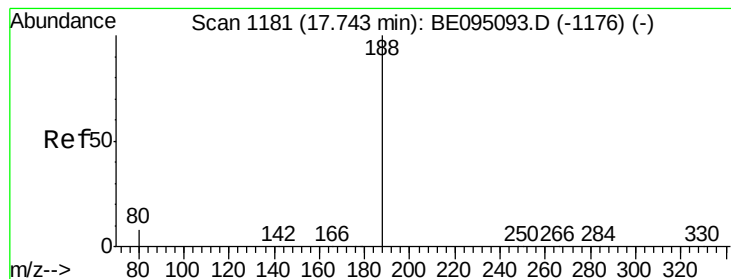
165 143.9 77.8 116.6#

167 32.5 42.4 63.6#



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: 17.74 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

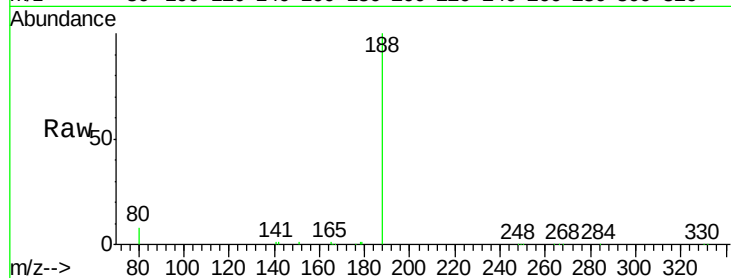
Tot Ion:188 Resp: 20051

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

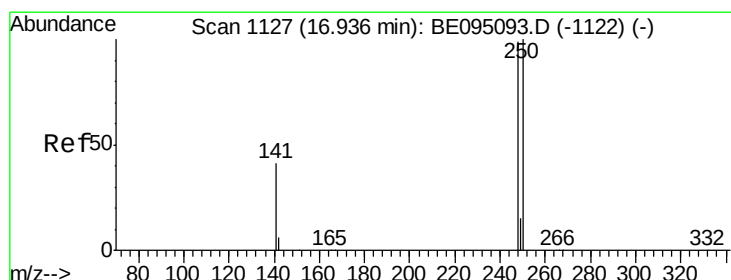
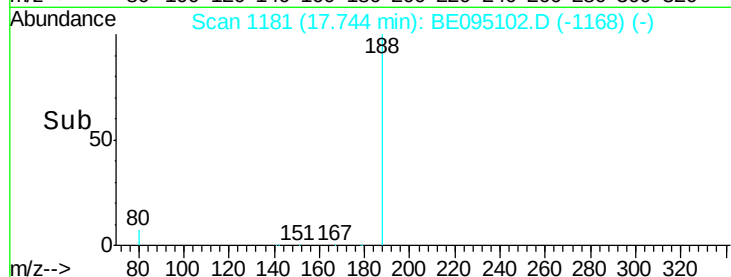
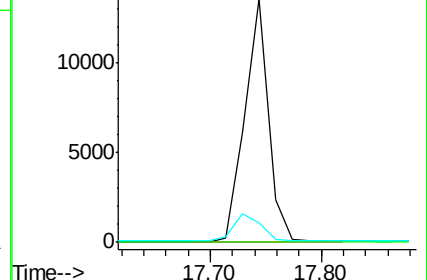
80 8.1 3.6 5.4#



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: 0.006 ng

RT: 16.94 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

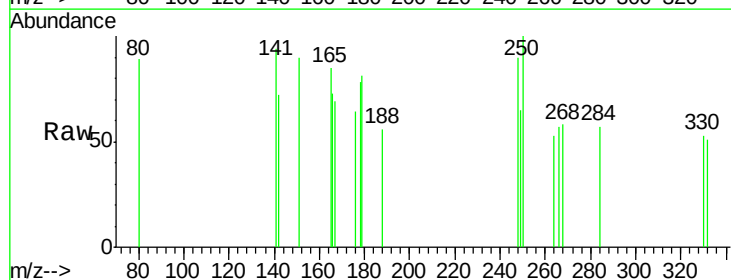
Tgt Ion:248 Resp: 70

Ion Ratio Lower Upper

248 100

250 111.4 62.7 94.1#

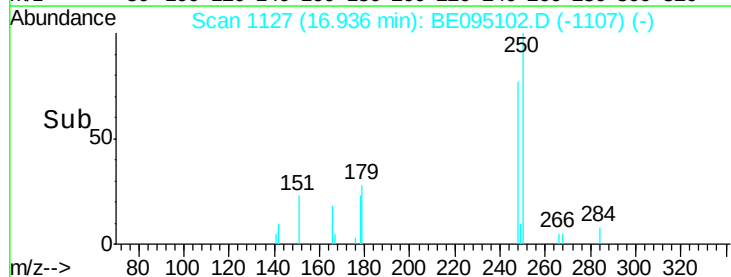
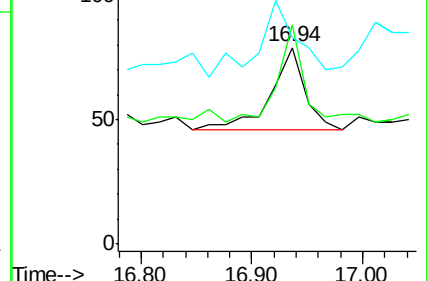
141 105.1 48.2 72.2#

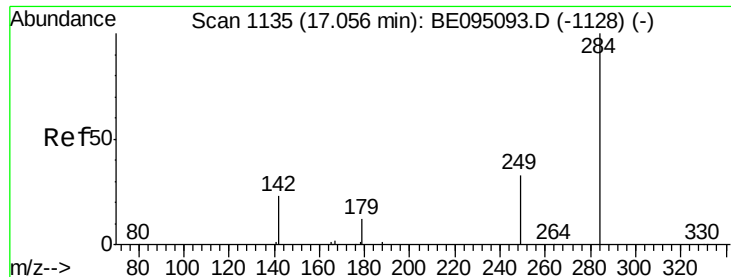


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.008 ng

RT: 17.06 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

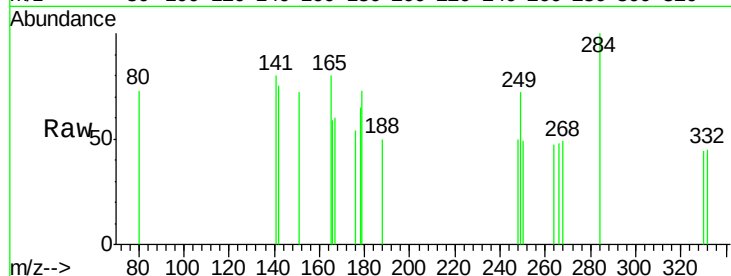
Tot Ion:284 Resp: 99

Ion Ratio Lower Upper

284 100

142 66.7 22.1 33.1#

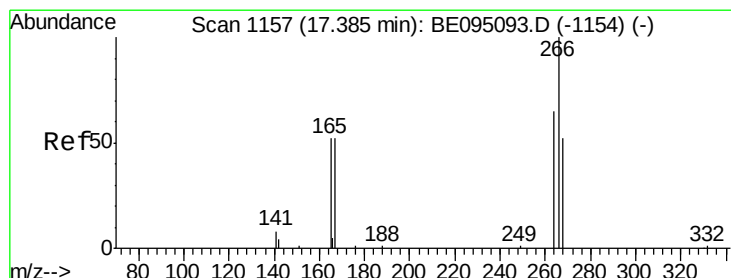
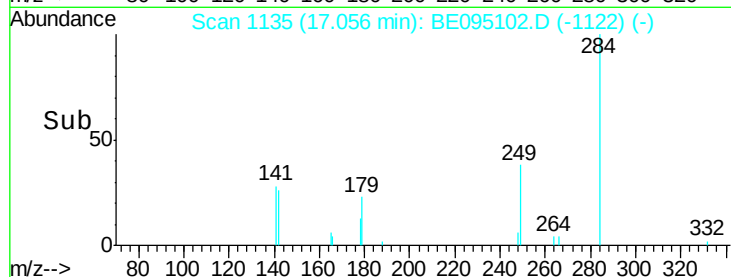
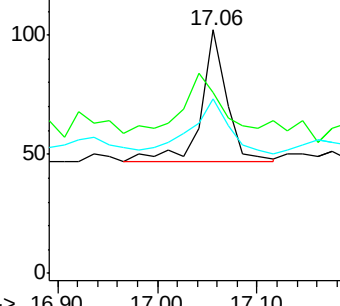
249 64.6 34.8 52.2#



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: 0.060 ng

RT: 17.39 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

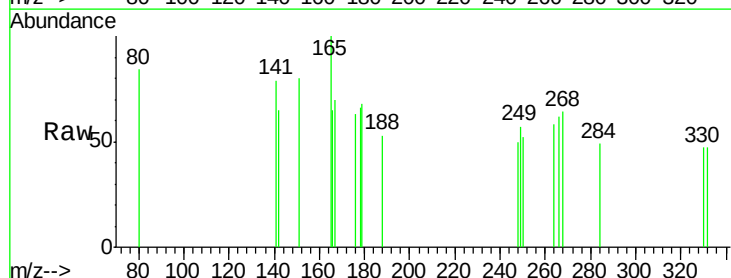
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

266 100

264 93.5 72.5 108.7

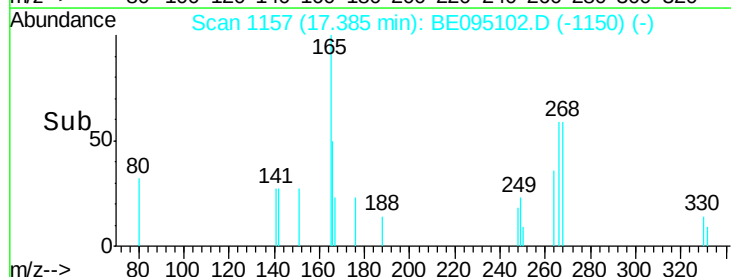
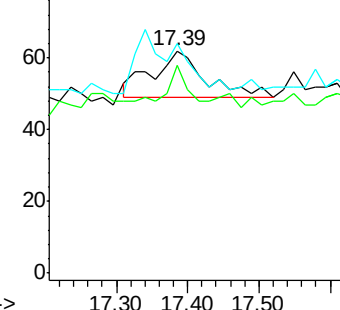
268 103.2 73.8 110.6

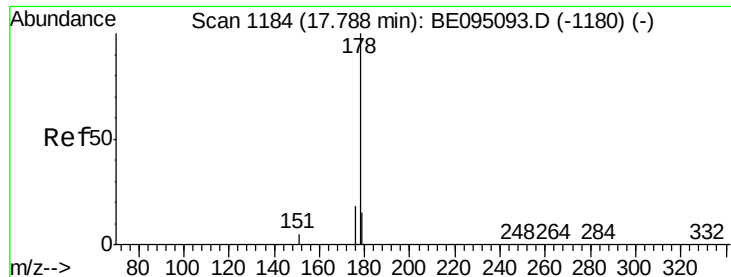


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.008 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

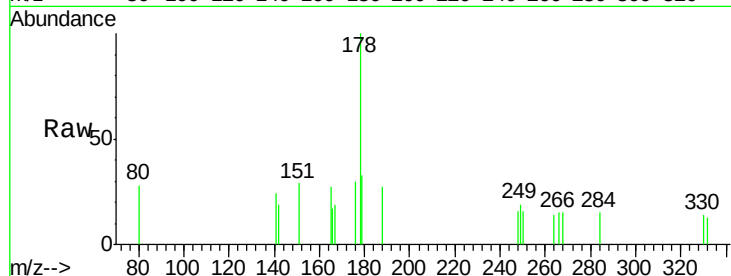
Tot Ion:178 Resp: 520

Ion Ratio Lower Upper

178 100

176 23.5 15.1 22.7#

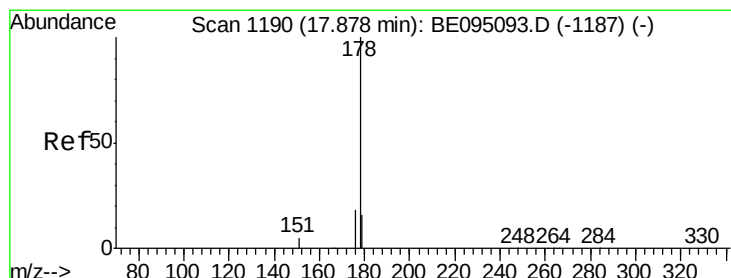
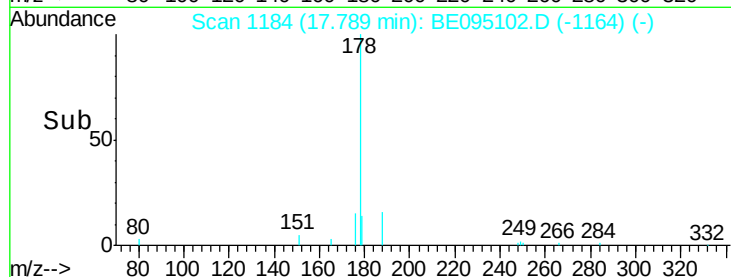
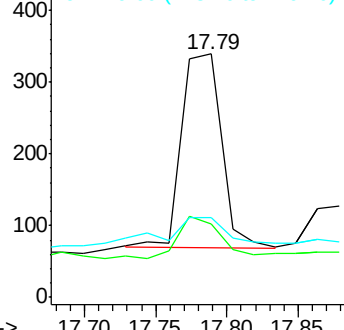
179 14.4 11.8 17.6



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: 0.003 ng

RT: 17.88 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

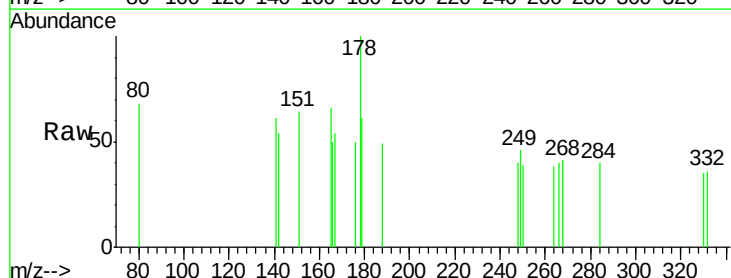
Tgt Ion:178 Resp: 154

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

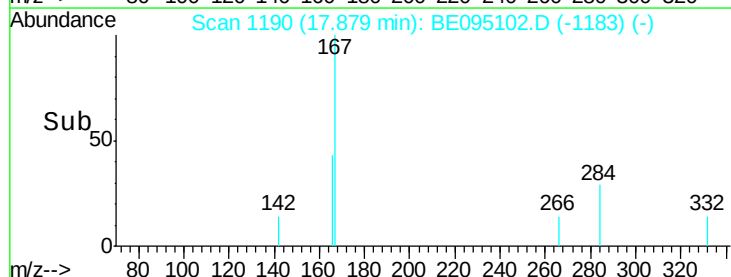
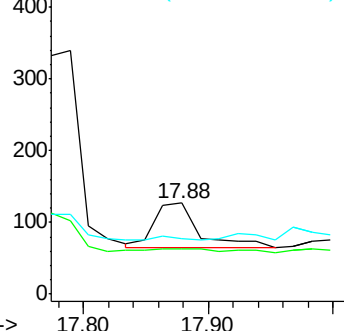
179 0.0 13.0 19.6#

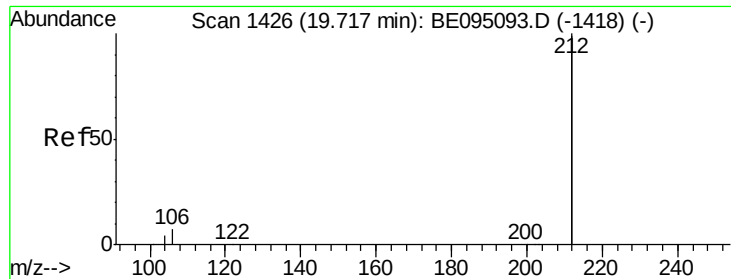


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.429 ng

RT: 19.72 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

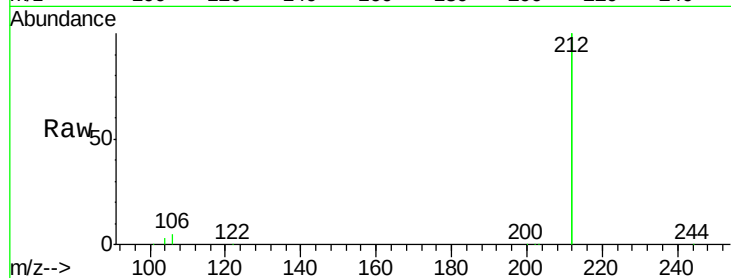
Tot Ion:212 Resp: 108184

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

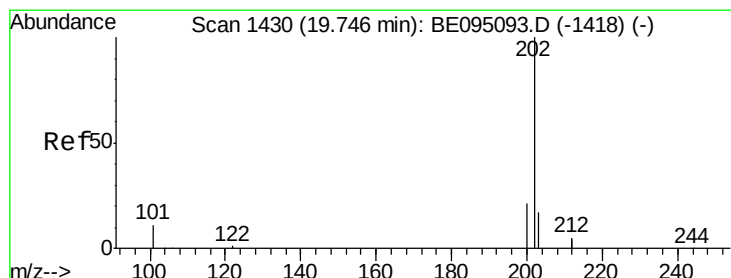
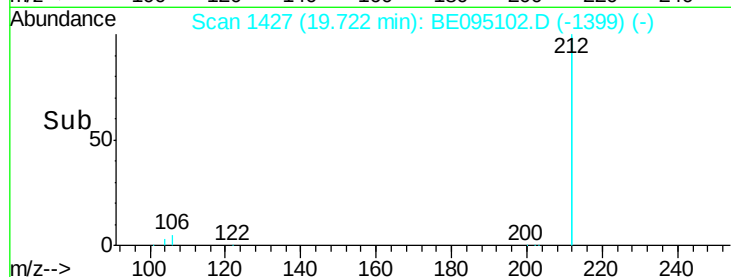
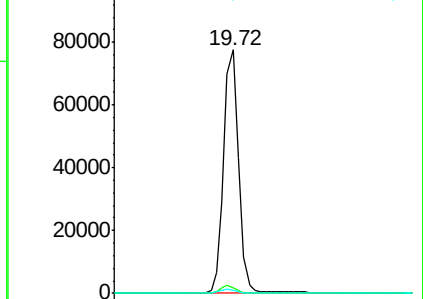
104 1.8 1.6 2.4



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: 0.010 ng

RT: 19.74 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

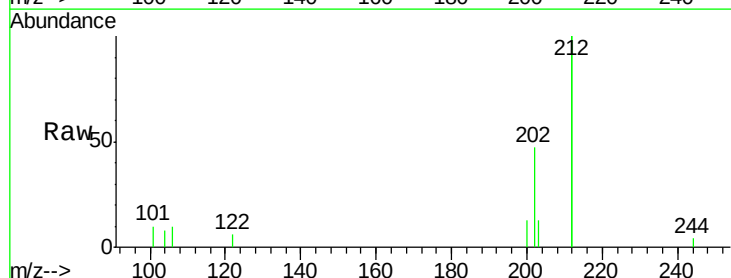
Tgt Ion:202 Resp: 728

Ion Ratio Lower Upper

202 100

101 9.8 9.8 14.8#

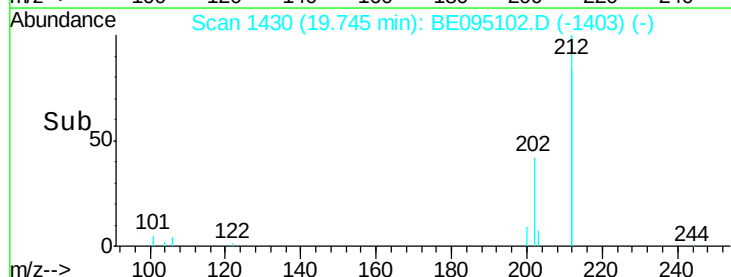
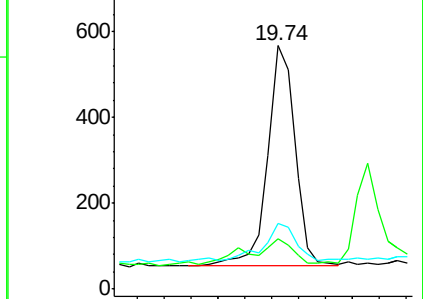
203 23.6 13.7 20.5#

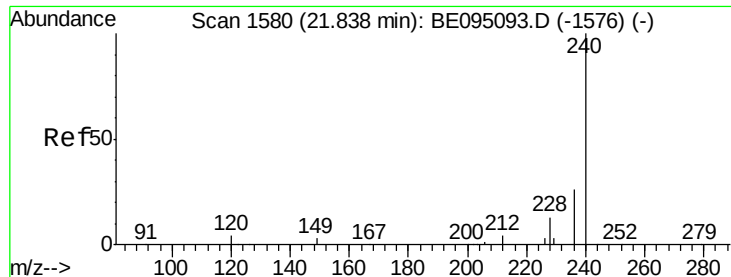


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

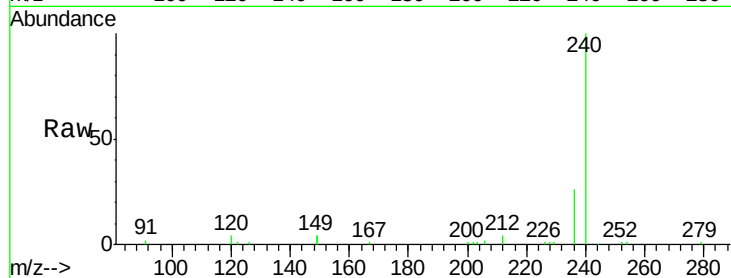
Tot Ion:240 Resp: 18619

Ion Ratio Lower Upper

240 100

120 4.2 5.5 8.3#

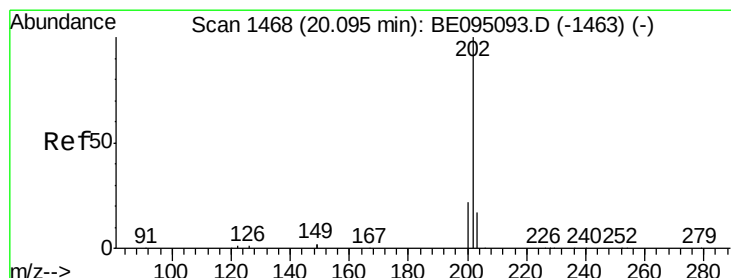
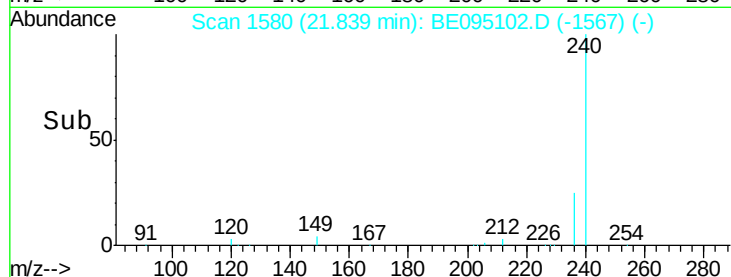
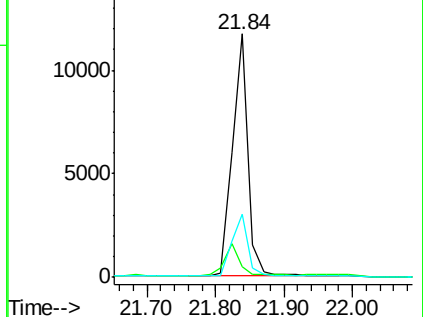
236 25.9 20.7 31.1



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: 0.010 ng

RT: 20.10 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

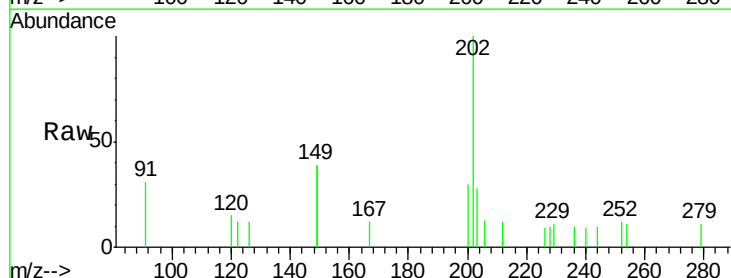
Tgt Ion:202 Resp: 767

Ion Ratio Lower Upper

202 100

200 26.5 16.6 25.0#

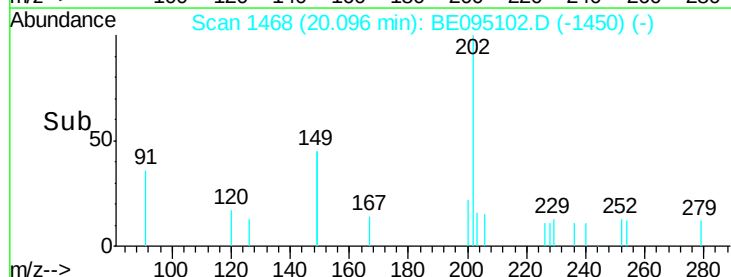
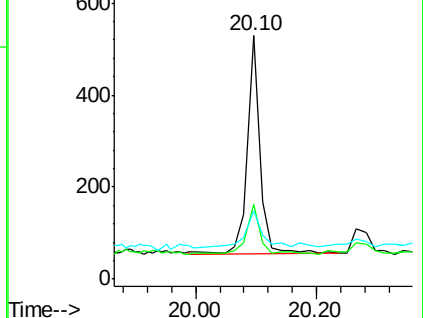
203 27.2 13.8 20.8#

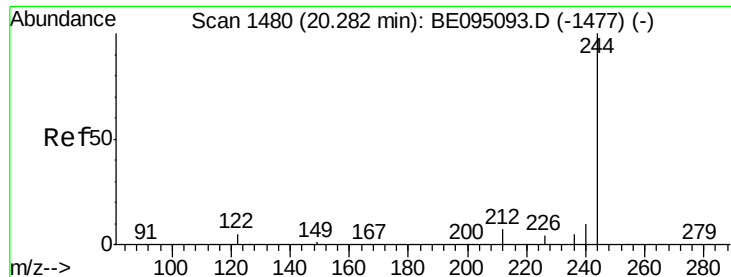


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.597 ng

RT: 20.28 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampled :

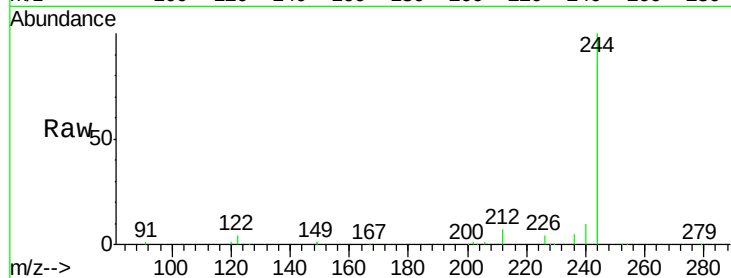
Tot Ion:244 Resp: 22740

Ion Ratio Lower Upper

244 100

212 6.8 25.4 38.0#

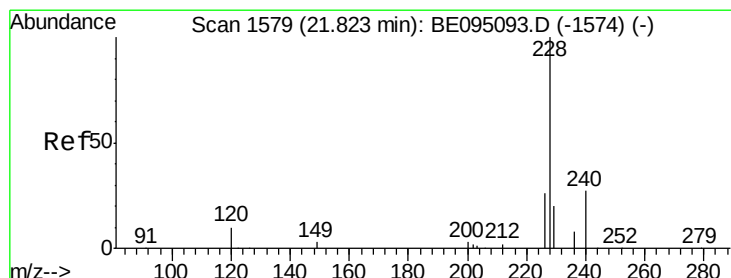
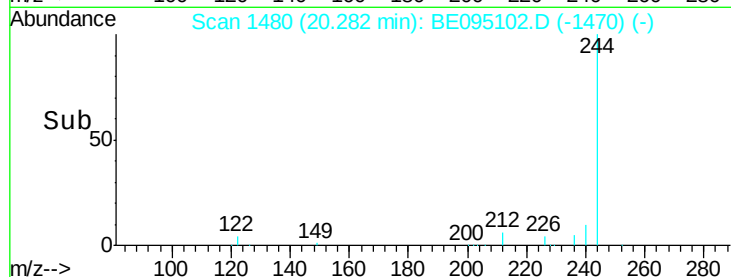
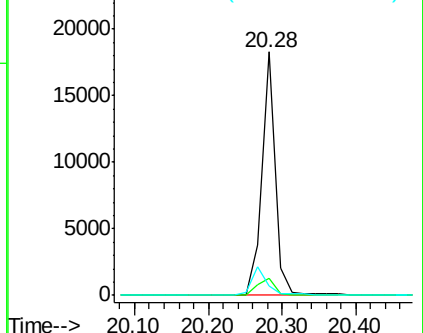
122 3.8 8.1 12.1#



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: 0.010 ng

RT: 21.81 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

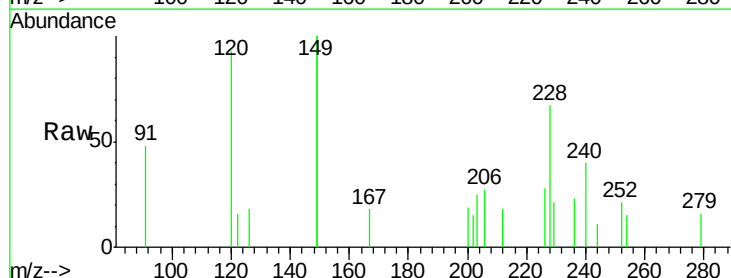
Tgt Ion:228 Resp: 559

Ion Ratio Lower Upper

228 100

226 41.6 24.0 36.0#

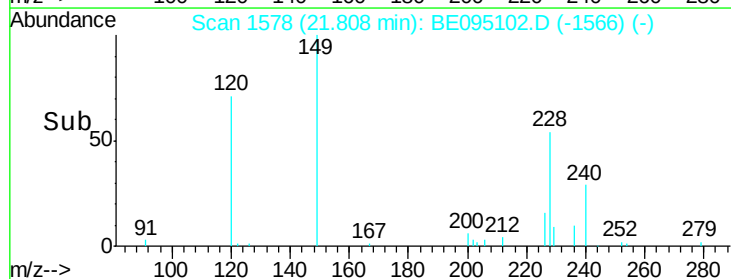
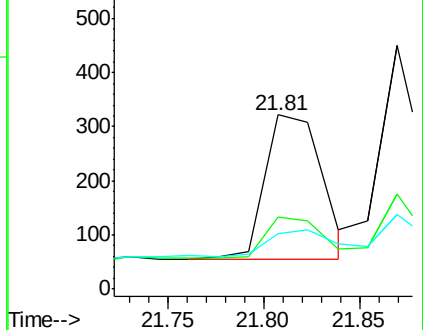
229 32.0 16.0 24.0#

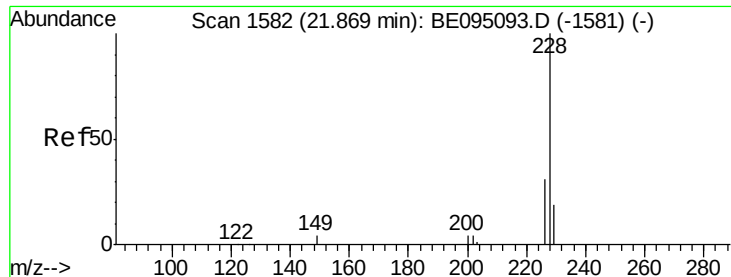


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.010 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampled :

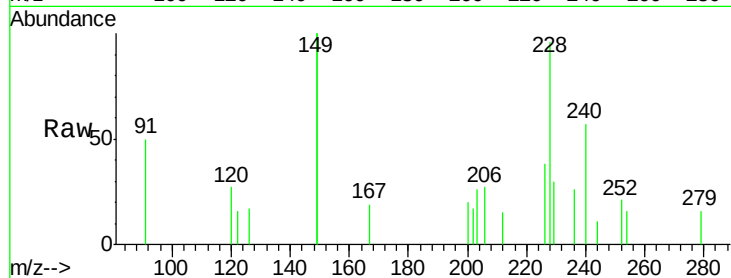
Tot Ion:228 Resp: 596

Ion Ratio Lower Upper

228 100

226 39.1 24.0 36.0#

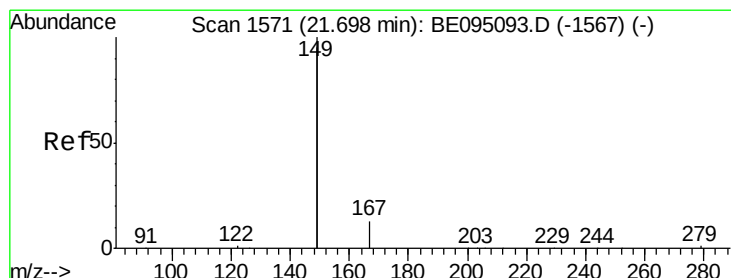
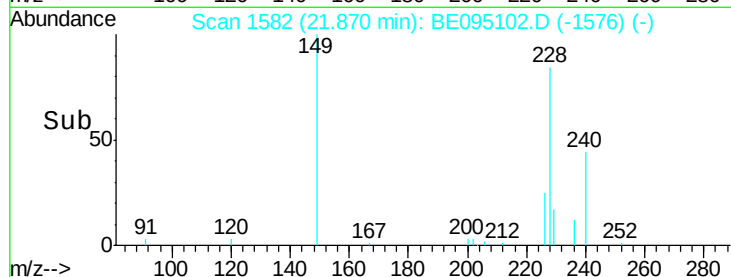
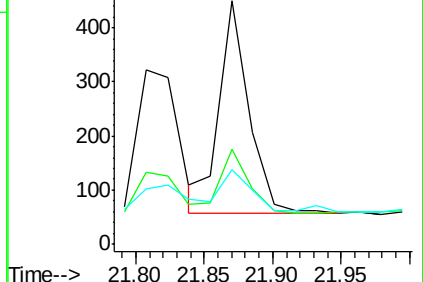
229 30.7 16.0 24.0#



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: 0.041 ng

RT: 21.70 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

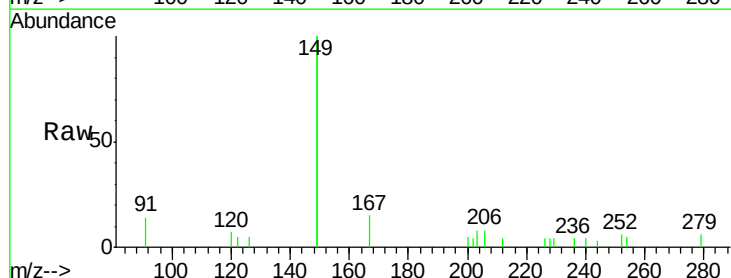
Tgt Ion:149 Resp: 3339

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

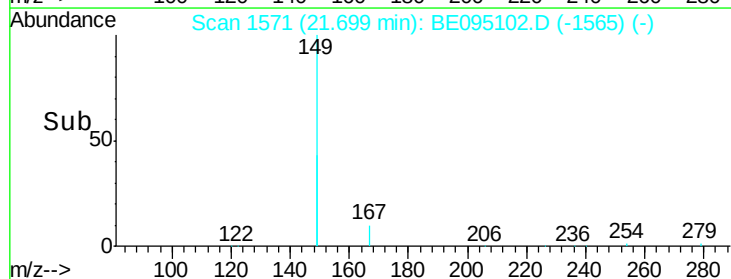
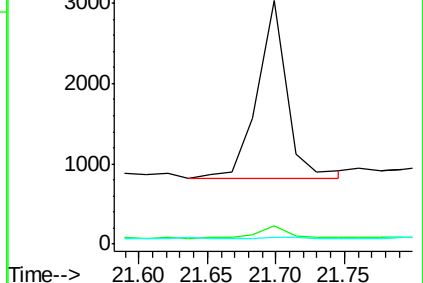
279 1.5 0.7 1.1#

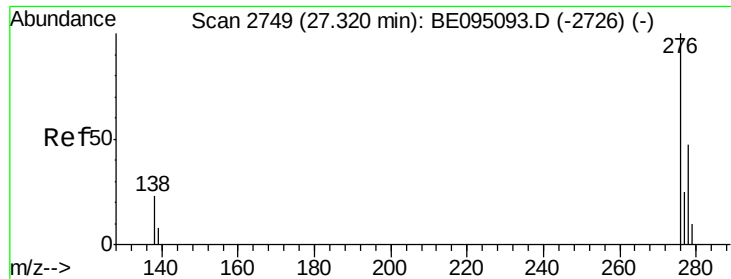


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

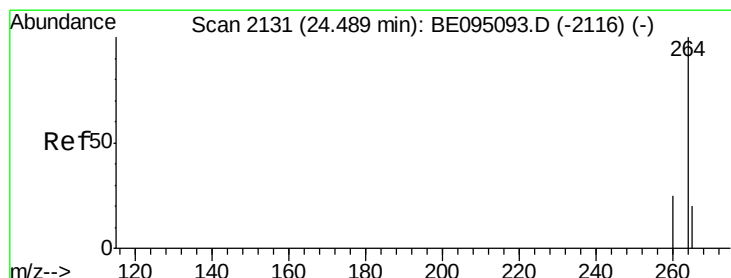
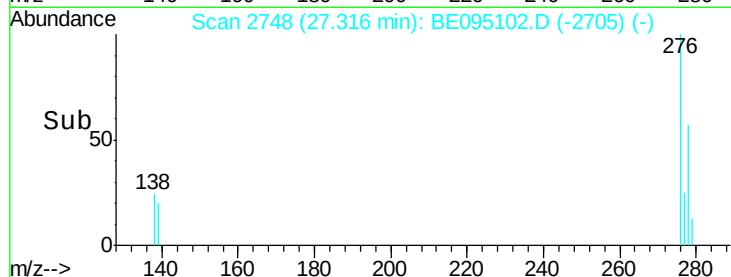
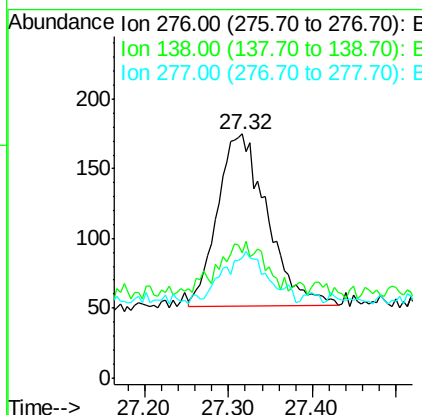
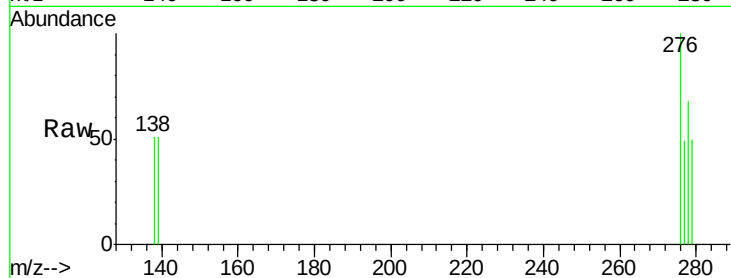




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.009 ng
 RT: 27.32 min Scan# 2748
 Delta R.T. -0.00 min
 Lab File: BE095102.D
 Acq: 23 Jan 2018 18:02

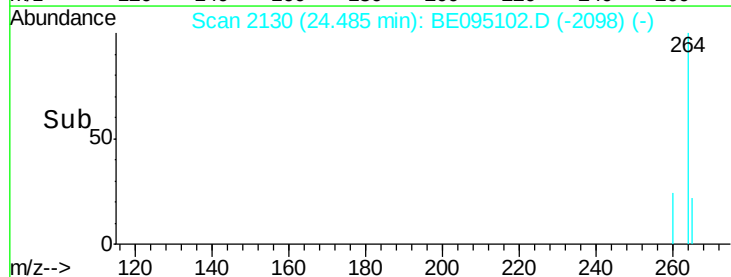
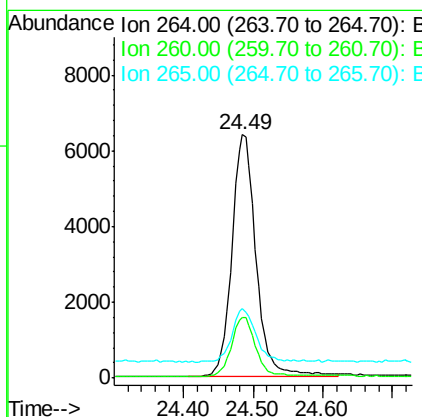
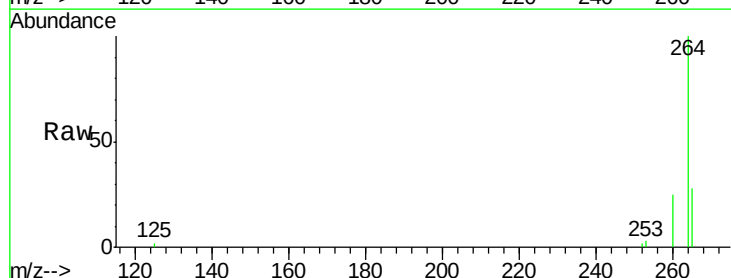
Instrument :
 BNA_E
 ClientSampleId :

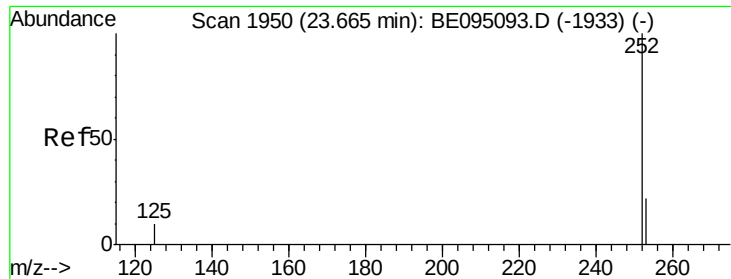
Tot Ion:276 Resp: 507
 Ion Ratio Lower Upper
 276 100
 138 25.6 22.5 33.7
 277 20.3 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.49 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BE095102.D
 Acq: 23 Jan 2018 18:02

Tgt Ion:264 Resp: 15345
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 28.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.011 ng

RT: 23.67 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :

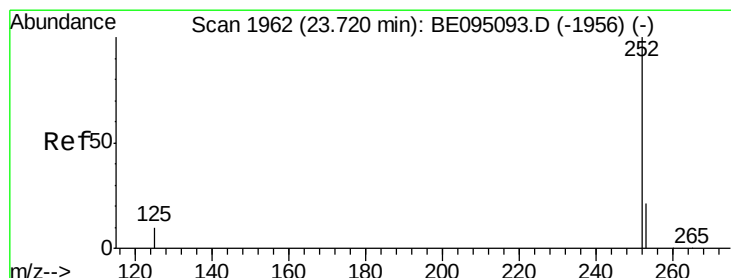
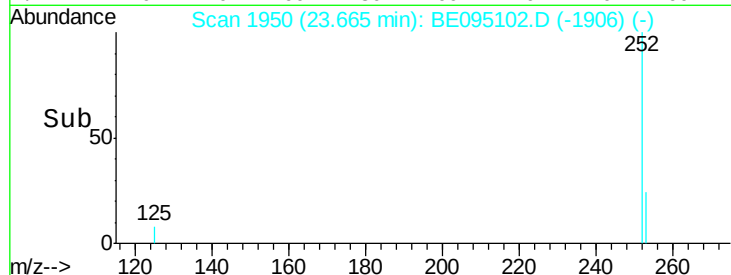
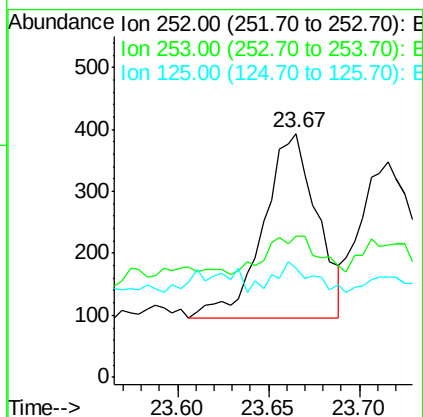
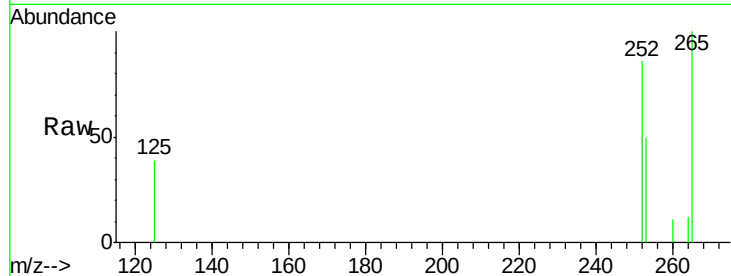
Tot Ion:252 Resp: 611

Ion Ratio Lower Upper

252 100

253 58.0 20.0 30.0#

125 45.0 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.010 ng

RT: 23.72 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

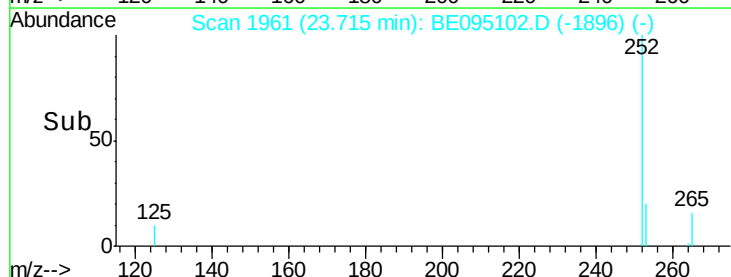
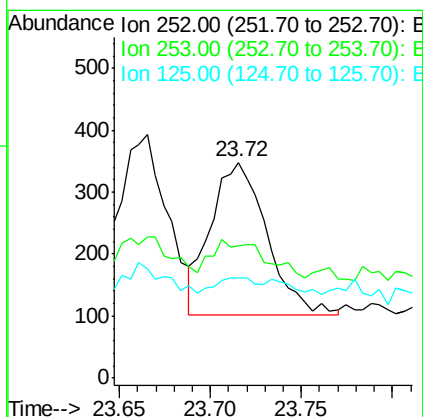
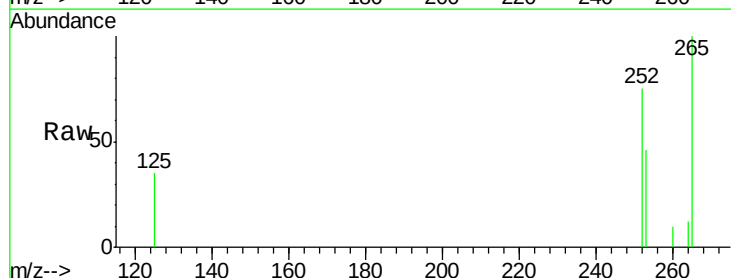
Tgt Ion:252 Resp: 530

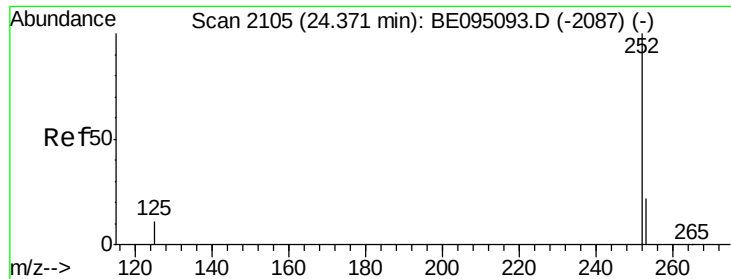
Ion Ratio Lower Upper

252 100

253 61.5 16.0 24.0#

125 46.6 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.004 ng

RT: 24.37 min Scan# 2104

Delta R.T. -0.00 min

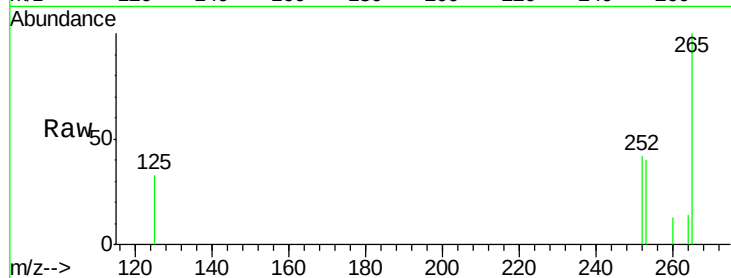
Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :



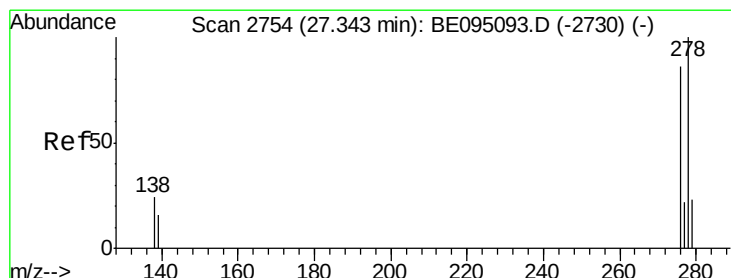
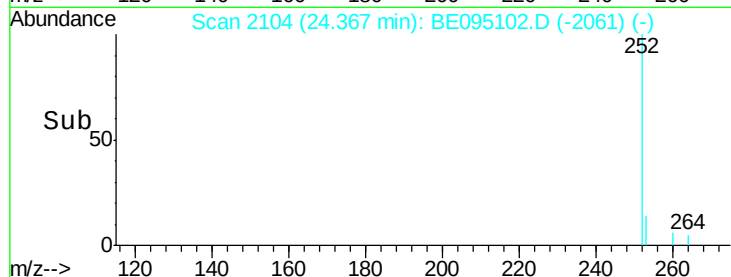
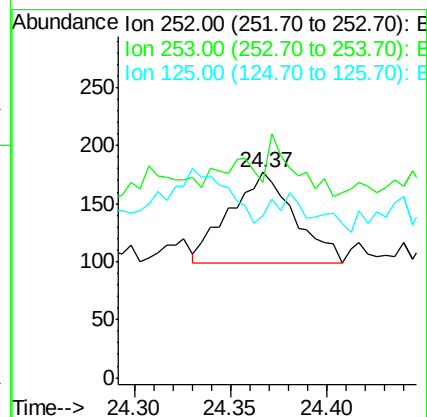
Tot Ion:252 Resp: 181

Ion Ratio Lower Upper

252 100

253 94.9 16.0 24.0#

125 79.1 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 27.34 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

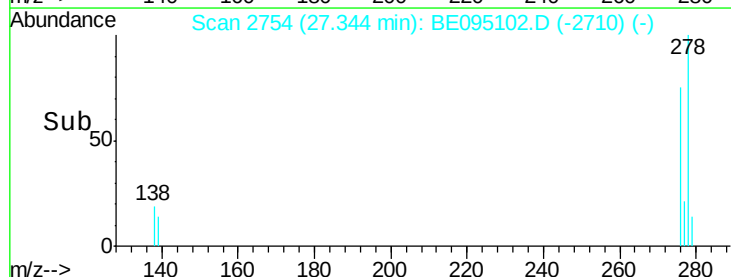
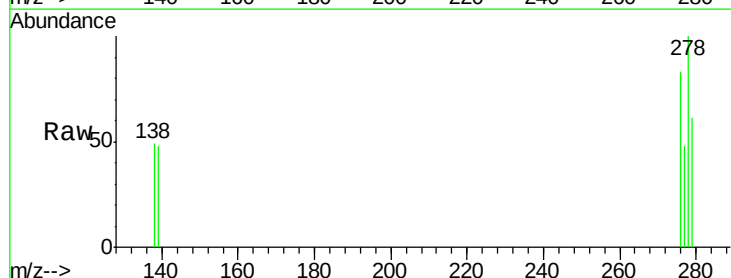
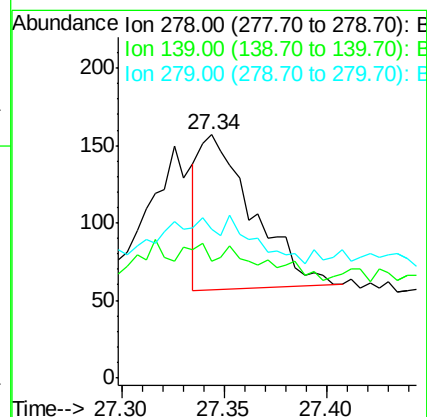
Tgt Ion:278 Resp: 181

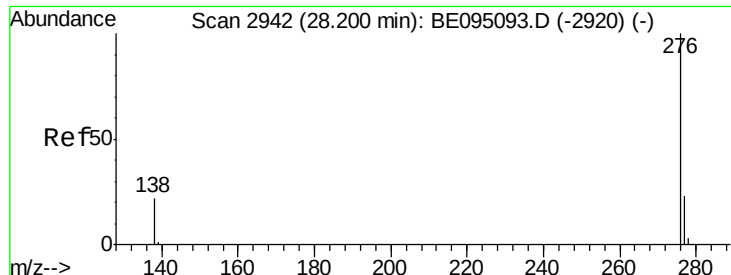
Ion Ratio Lower Upper

278 100

139 47.8 16.0 24.0#

279 61.1 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.010 ng

RT: 28.19 min Scan# 2939

Delta R.T. -0.01 min

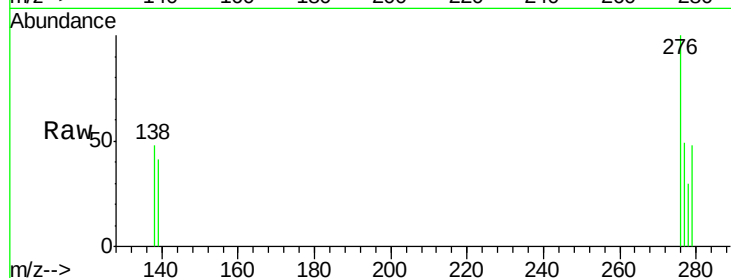
Lab File: BE095102.D

Acq: 23 Jan 2018 18:02

Instrument :

BNA_E

ClientSampleId :



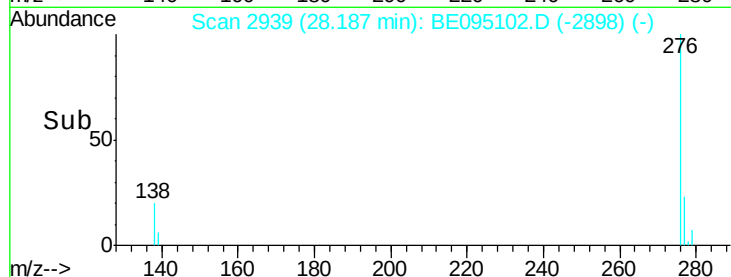
Tot Ion: 276 Resp: 452

Ion Ratio Lower Upper

276 100

277 48.6 16.0 24.0#

138 48.0 20.0 30.0#



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

