

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020618\
 Data File : BE095540.D
 Acq On : 6 Feb 2018 21:38
 Operator : SJ/JU
 Sample : PB106169BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB106169BS

Quant Time: Feb 07 04:35:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	1293	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4571	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2407	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5741	0.40	ng	0.00
27) Chrysene-d12	21.81	240	6168	0.40	ng	0.01
34) Perylene-d12	24.43	264	5637	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	992	0.25	ng	0.00
5) Phenol-d6	7.55	99	1362	0.25	ng	-0.01
8) Nitrobenzene-d5	9.61	82	1352	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.81	152	1976	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	222	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.65	172	3248	0.31	ng	0.00
25) Fluoranthene-d10	19.69	212	20220	0.27	ng	0.00
29) Terphenyl-d14	20.25	244	4034	0.31	ng	0.00

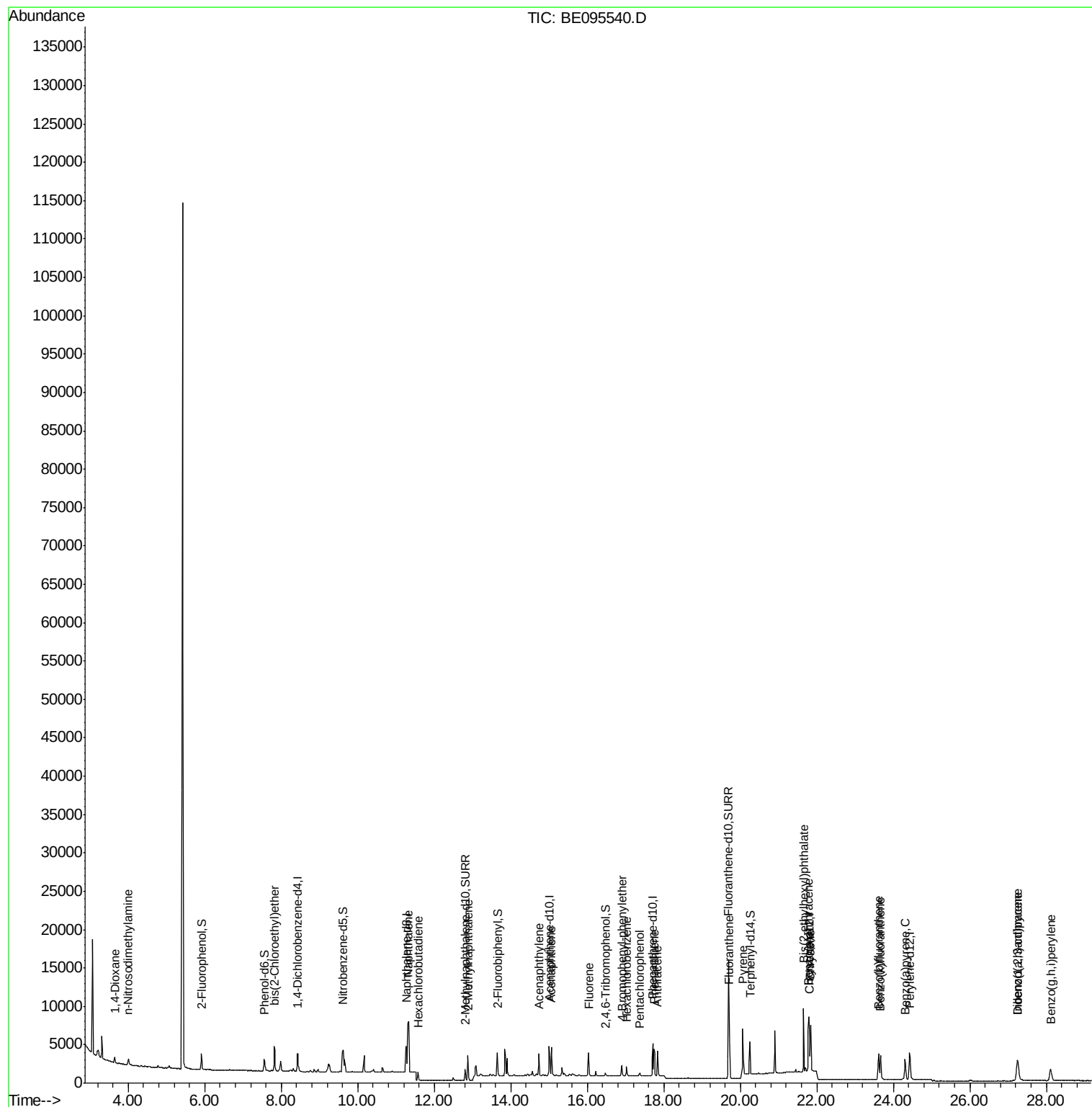
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	495	0.231	ng	# 39
3) n-Nitrosodimethylamine	3.99	42	628	0.233	ng	# 87
6) bis(2-Chloroethyl)ether	7.83	93	1221	0.246	ng	94
9) Naphthalene	11.33	128	13546	0.255	ng	99
10) Hexachlorobutadiene	11.58	225	792	0.278	ng	91
12) 2-Methylnaphthalene	12.88	142	2273	0.252	ng	96
16) Acenaphthylene	14.73	152	3213	0.234	ng	98
17) Acenaphthene	15.06	154	2041	0.239	ng	97
18) Fluorene	16.04	166	2570	0.240	ng	# 79
20) 4-Bromophenyl-phenylether	16.91	248	887	0.257	ng	# 73
21) Hexachlorobenzene	17.03	284	883	0.248	ng	# 83
22) Pentachlorophenol	17.37	266	286	0.357	ng	84
23) Phenanthrene	17.74	178	4496	0.255	ng	99
24) Anthracene	17.83	178	4090	0.248	ng	96
26) Fluoranthene	19.72	202	5624	0.253	ng	98
28) Pyrene	20.06	202	6051	0.234	ng	97
30) Benzo(a)anthracene	21.78	228	5030	0.245	ng	99
31) Chrysene	21.84	228	5228	0.258	ng	99
32) Bis(2-ethylhexyl)phthalate	21.65	149	9240	0.195	ng	100
33) Indeno(1,2,3-cd)pyrene	27.24	276	4805	0.246	ng	# 93
35) Benzo(b)fluoranthene	23.61	252	4906	0.255	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	4999	0.253	ng	# 91
37) Benzo(a)pyrene	24.31	252	4581	0.256	ng	# 92
38) Dibenzo(a,h)anthracene	27.26	278	3763	0.240	ng	96
39) Benzo(g,h,i)perylene	28.11	276	4293	0.255	ng	# 92

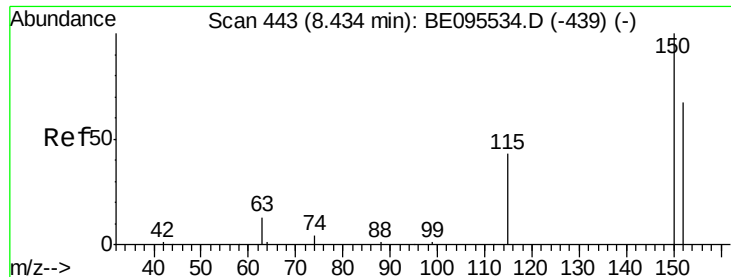
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.44 min Scan# 443

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

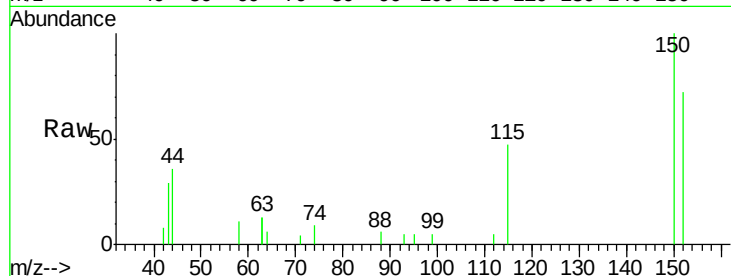
Tot Ion:152 Resp: 1293

Ion Ratio Lower Upper

152 100

150 138.2 117.2 175.8

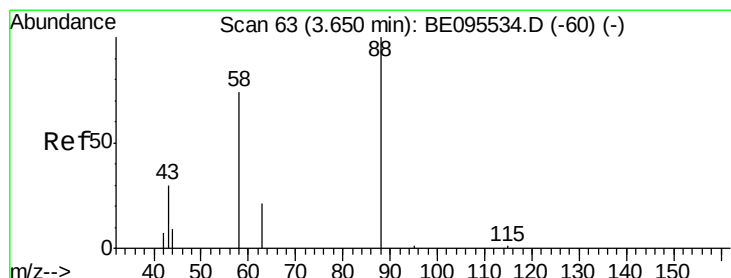
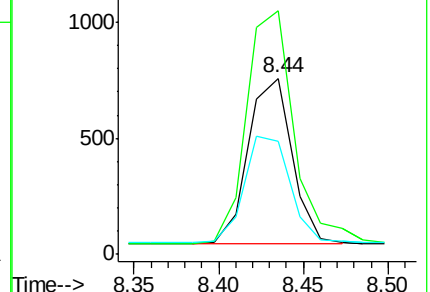
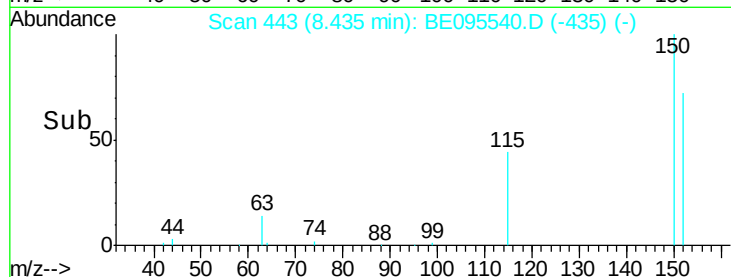
115 64.3 57.0 85.6



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: 0.231 ng

RT: 3.65 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

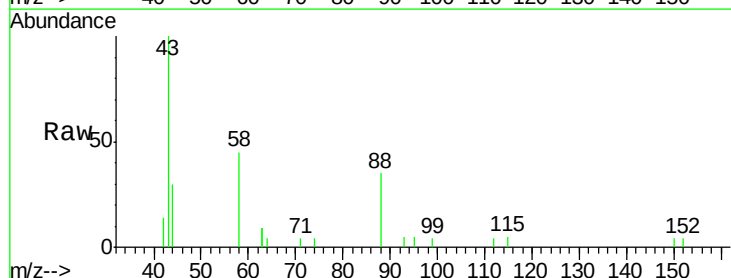
Tgt Ion: 88 Resp: 495

Ion Ratio Lower Upper

88 100

58 124.4 63.2 94.8#

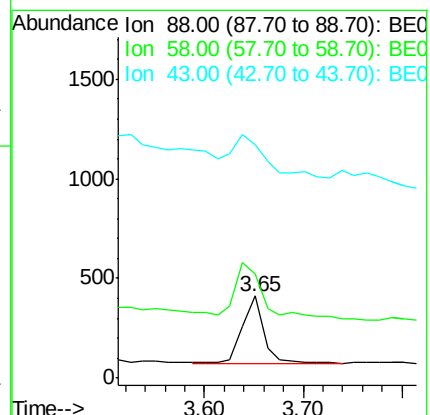
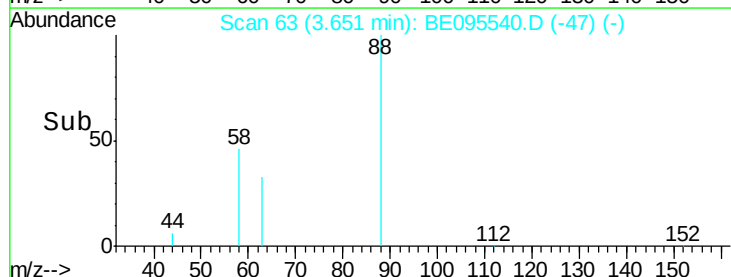
43 103.2 41.2 61.8#

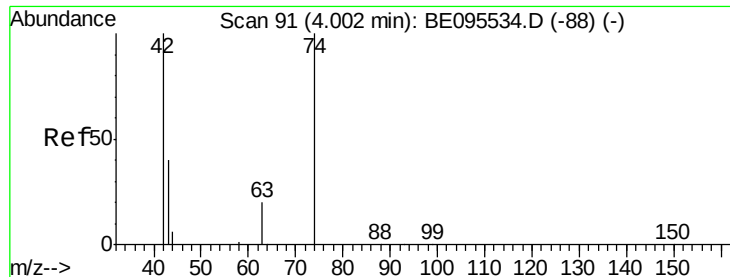


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.233 ng

RT: 3.99 min Scan# 90

Delta R.T. -0.01 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

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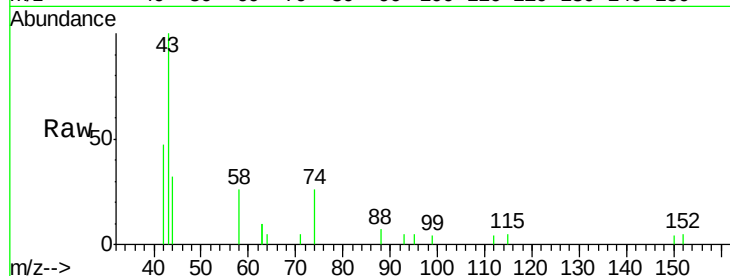
Tot Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

74 106.1 96.0 144.0

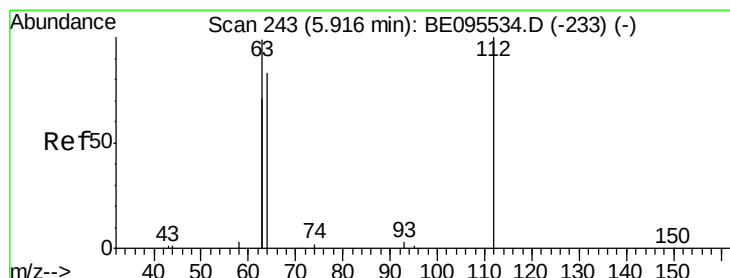
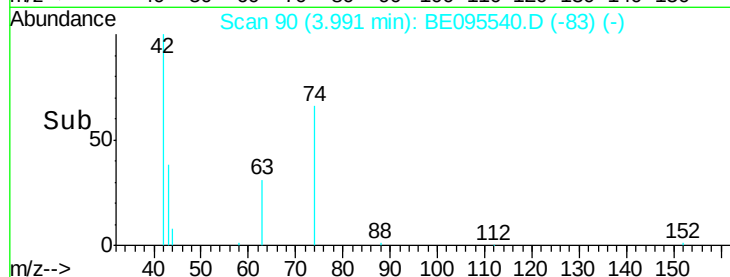
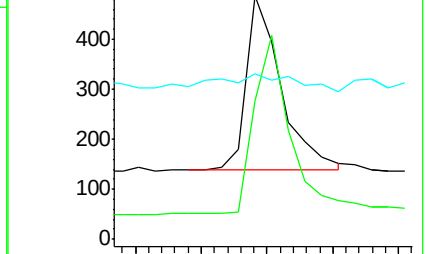
44 23.1 12.0 18.0#



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: 0.254 ng

RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

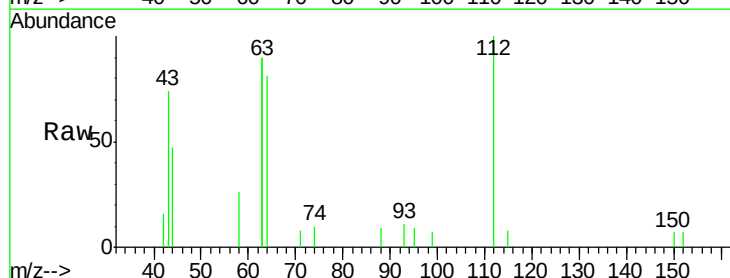
Tgt Ion: 112 Resp: 992

Ion Ratio Lower Upper

112 100

64 76.1 60.1 90.1

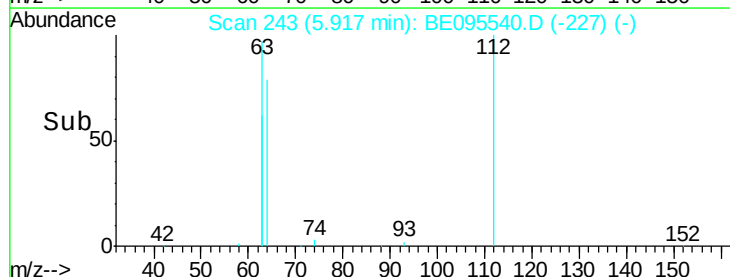
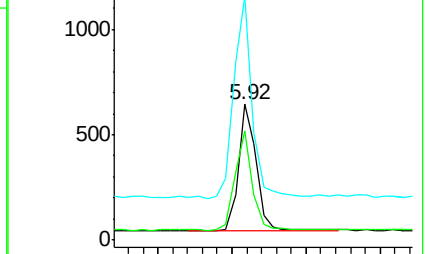
63 164.3 116.8 175.2

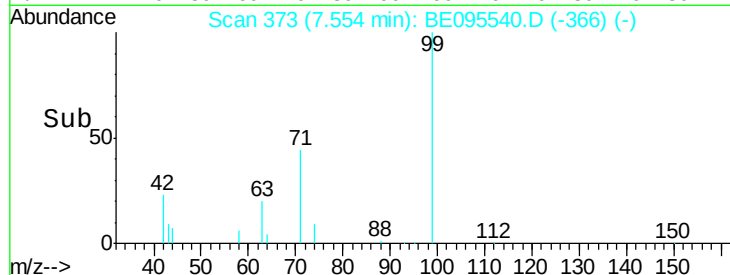
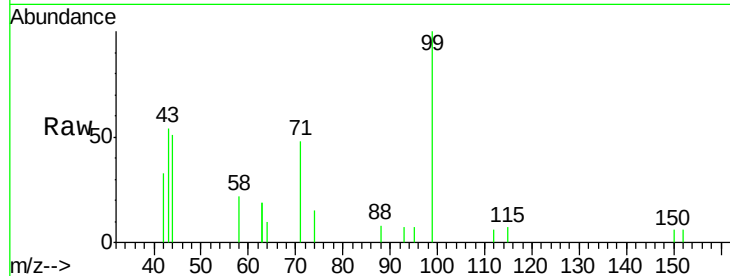
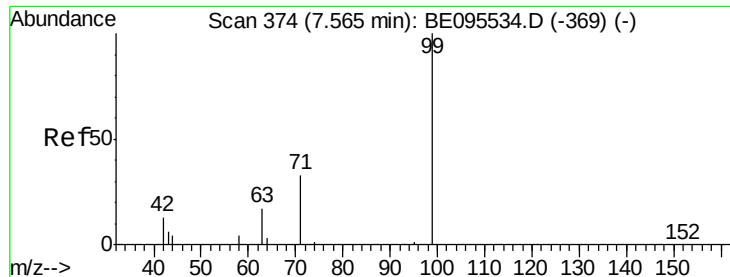


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.252 ng

RT: 7.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

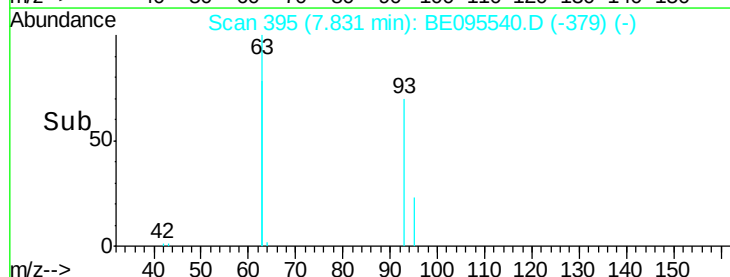
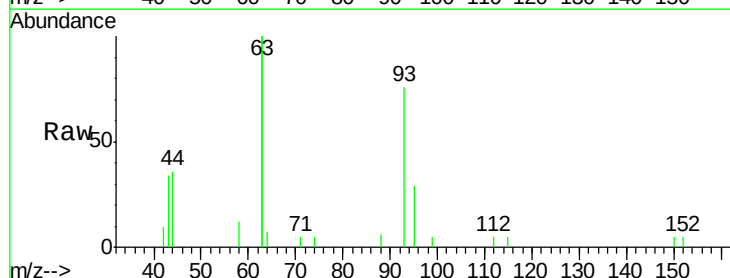
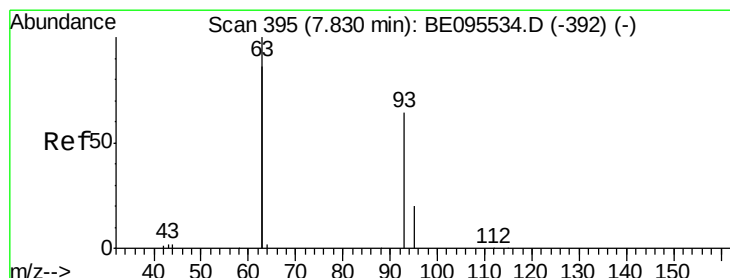
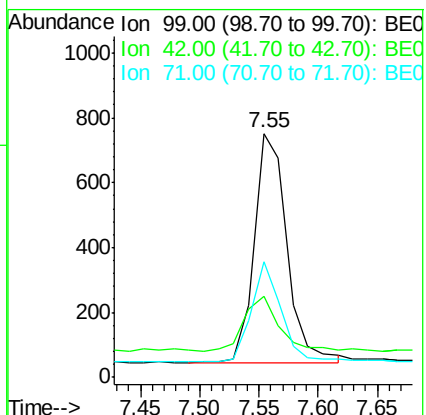
Tot Ion: 99 Resp: 1362

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

71 39.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.246 ng

RT: 7.83 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

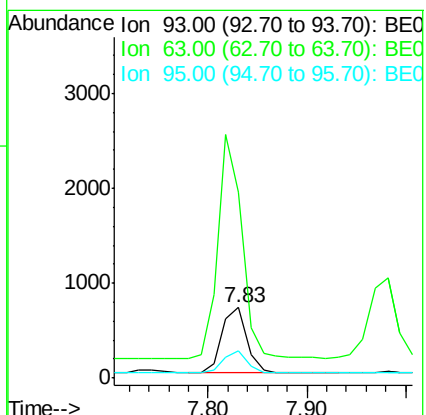
Tgt Ion: 93 Resp: 1221

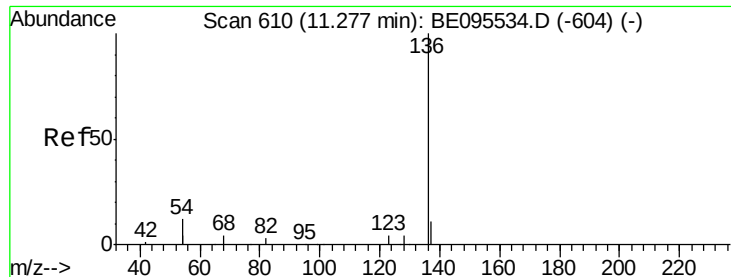
Ion Ratio Lower Upper

93 100

63 330.7 275.3 412.9

95 31.4 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.28 min Scan# 610

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

Tot Ion:136 Resp: 4571

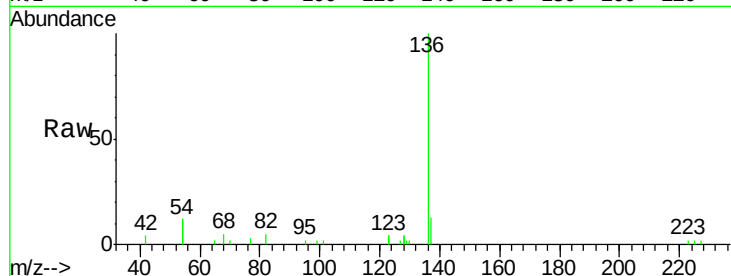
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 24.3 29.1 43.7#

68 5.5 6.2 9.2#

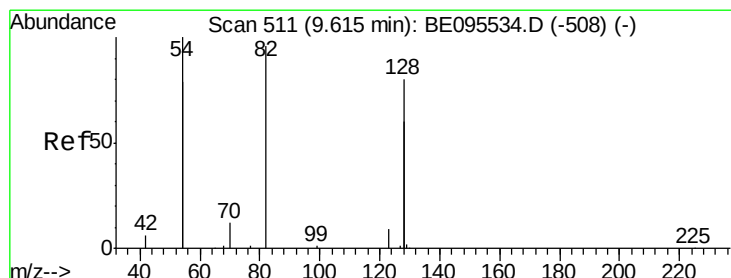
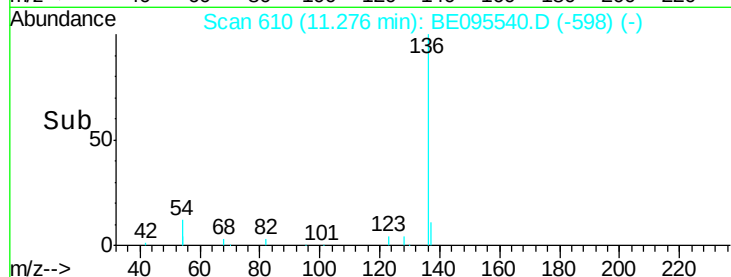
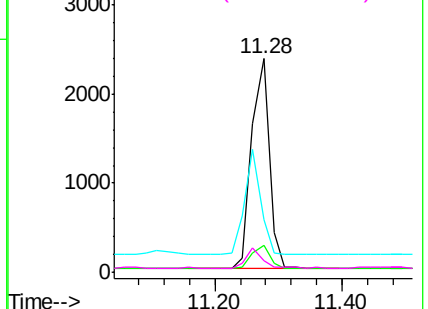


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.279 ng

RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

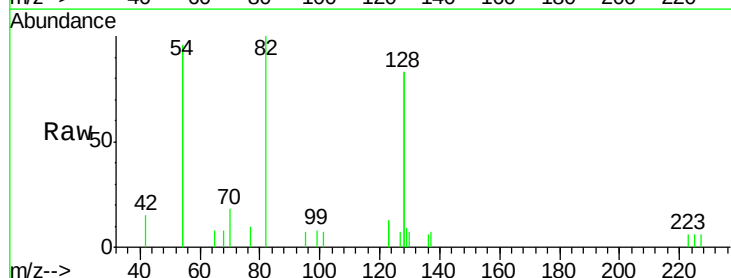
Tgt Ion: 82 Resp: 1352

Ion Ratio Lower Upper

82 100

128 166.2 150.0 225.0

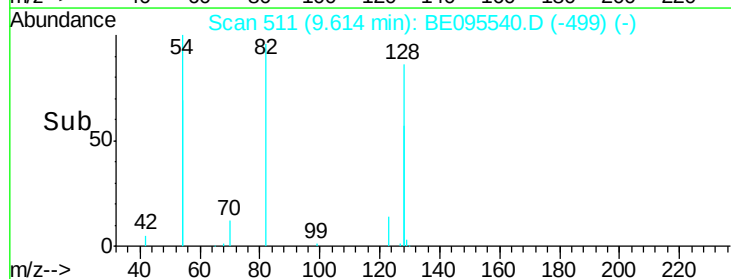
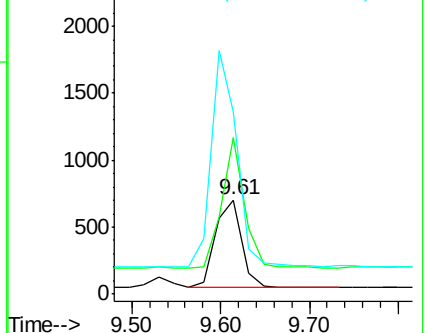
54 192.9 154.2 231.4

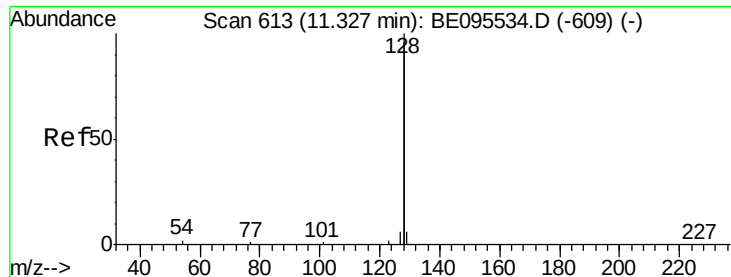


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.255 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

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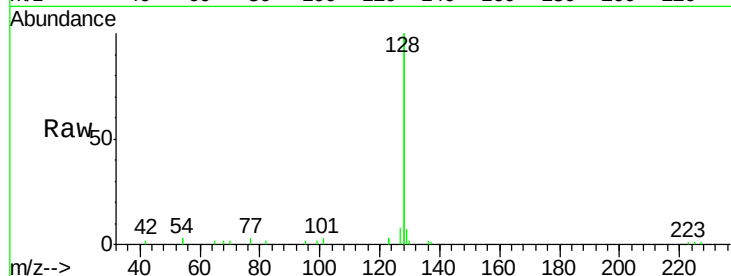
Tot Ion:128 Resp: 13546

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

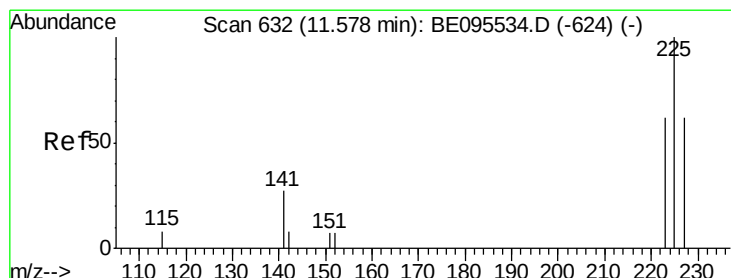
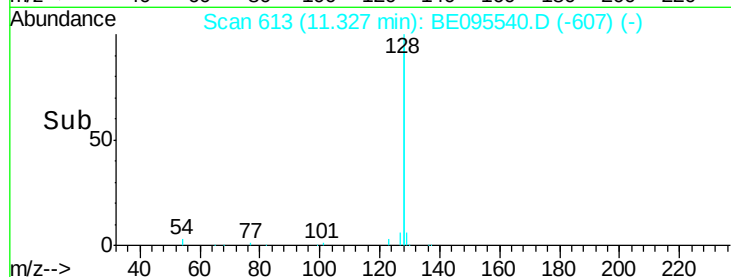
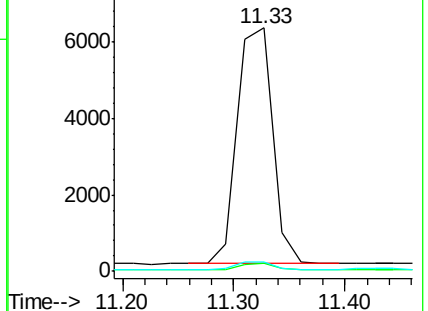
127 3.8 2.8 4.2



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: 0.278 ng

RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

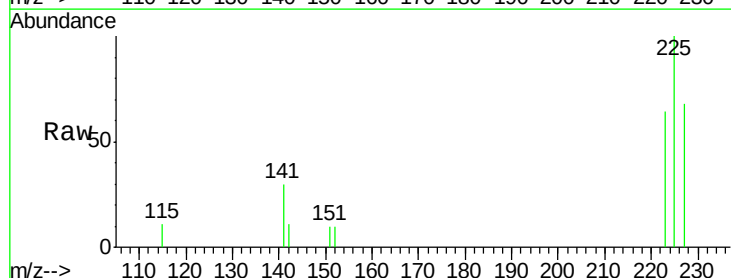
Tgt Ion:225 Resp: 792

Ion Ratio Lower Upper

225 100

223 62.0 53.0 79.6

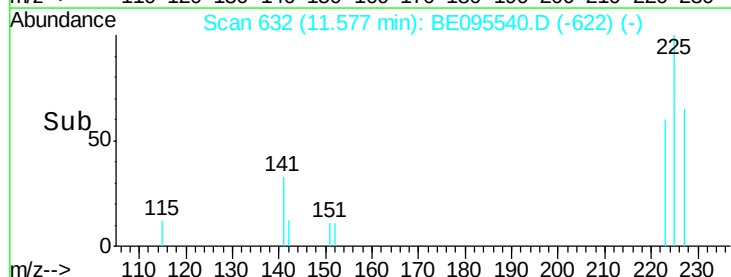
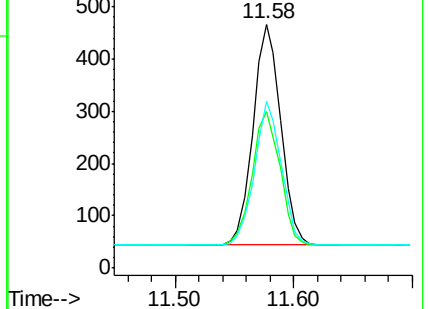
227 54.4 51.4 77.2

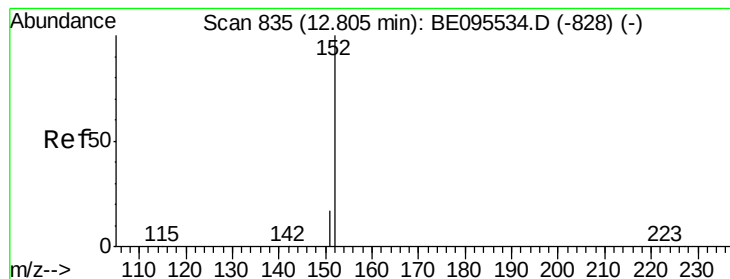


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.261 ng

RT: 12.81 min Scan# 836

Delta R.T. 0.00 min

Lab File: BE095540.D

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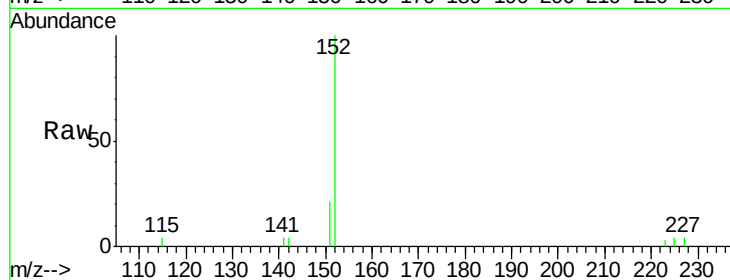
PB106169BS

Tot Ion:152 Resp: 1976

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1500

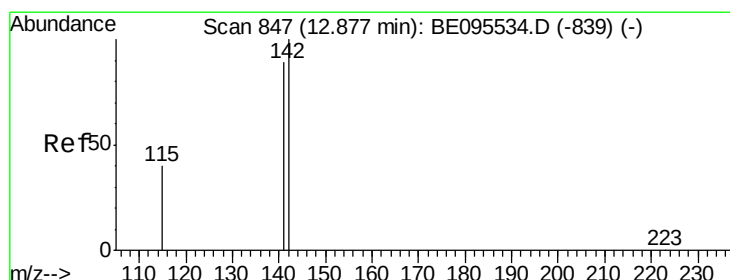
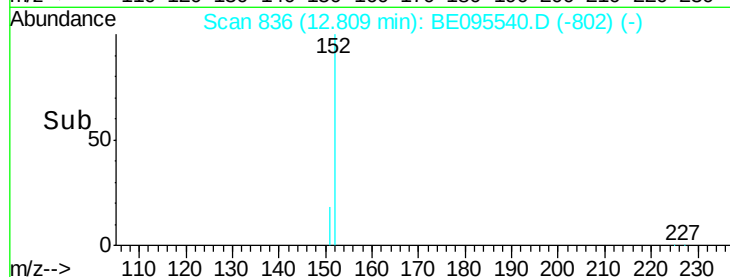
1200

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.252 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

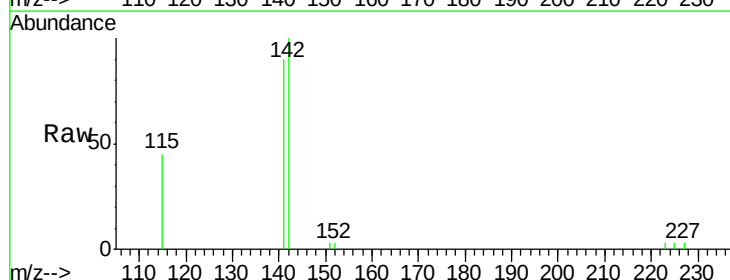
Tgt Ion:142 Resp: 2273

Ion Ratio Lower Upper

142 100

141 90.0 70.4 105.6

115 44.8 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

2000

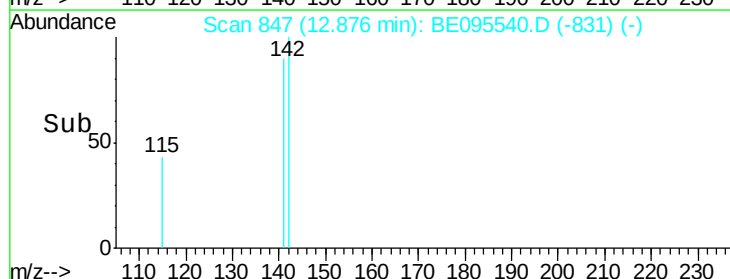
1500

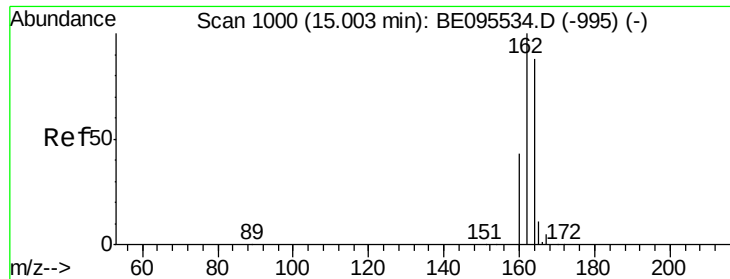
1000

500

0

Time--> 12.80 12.85 12.90 12.95





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

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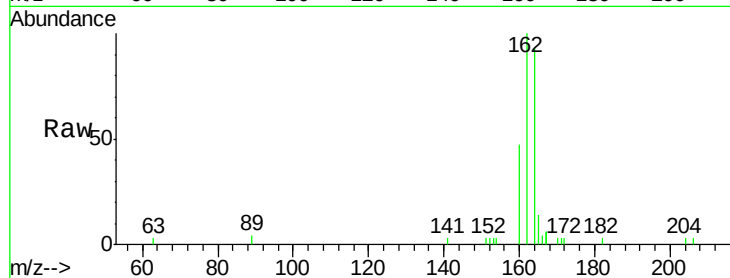
Tot Ion:164 Resp: 2407

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

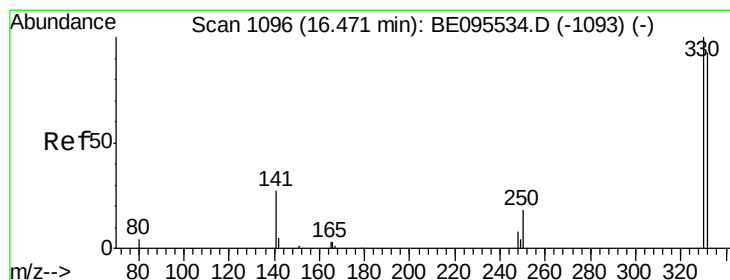
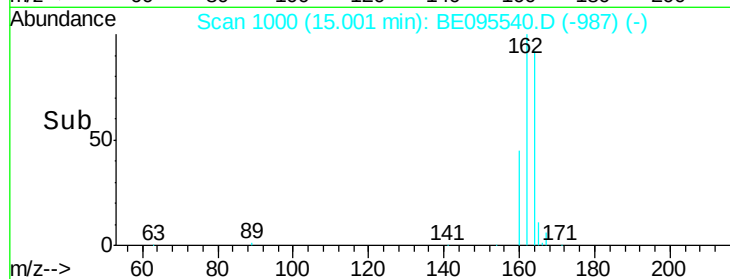
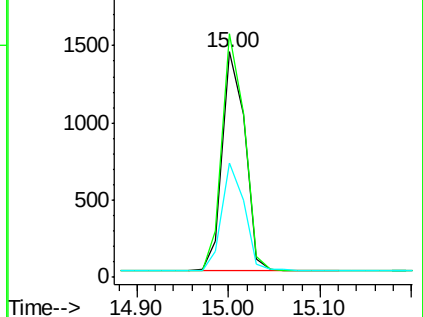
160 50.4 37.1 55.7



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: 0.202 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

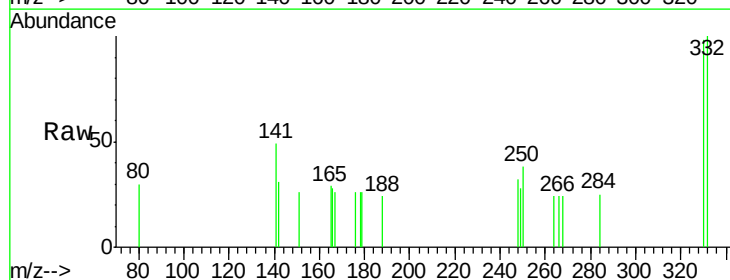
Tgt Ion:330 Resp: 222

Ion Ratio Lower Upper

330 100

332 102.3 152.7 229.1#

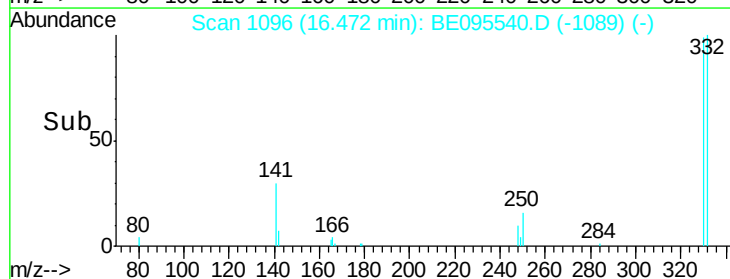
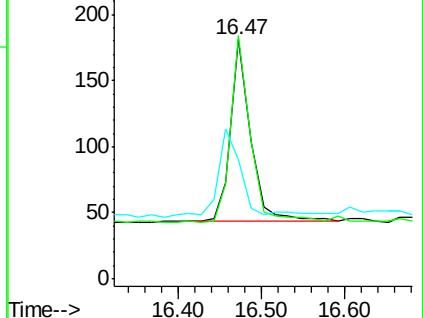
141 51.4 33.7 50.5#

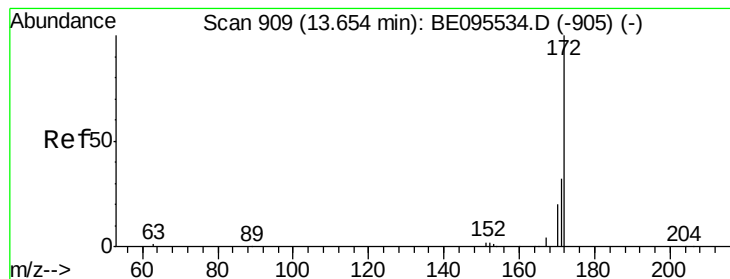


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

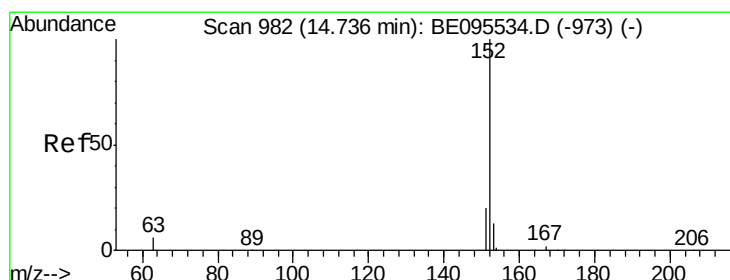
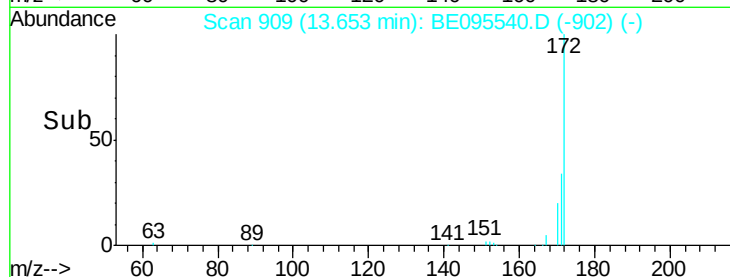
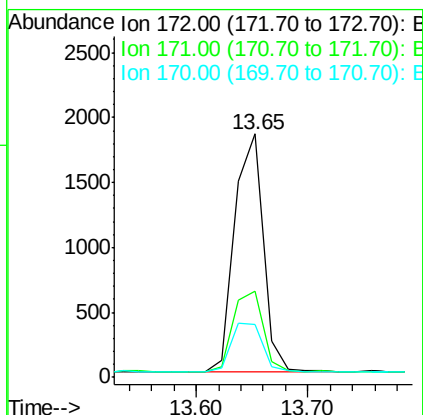
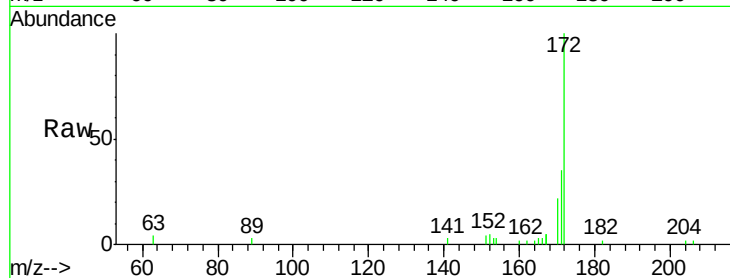




#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

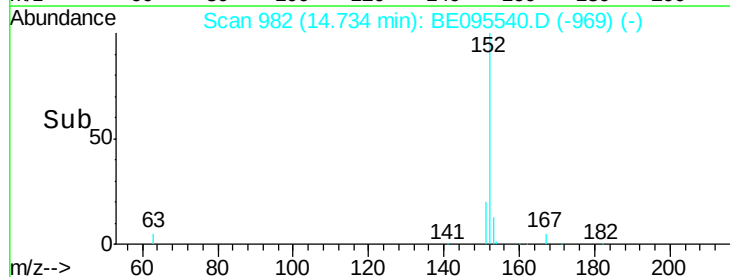
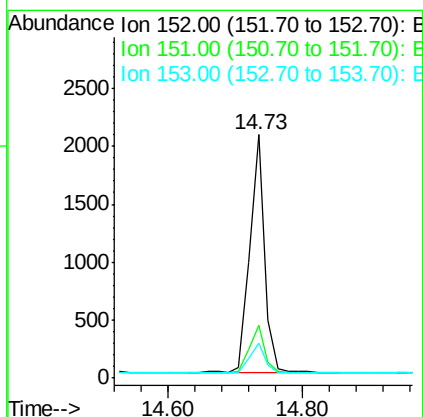
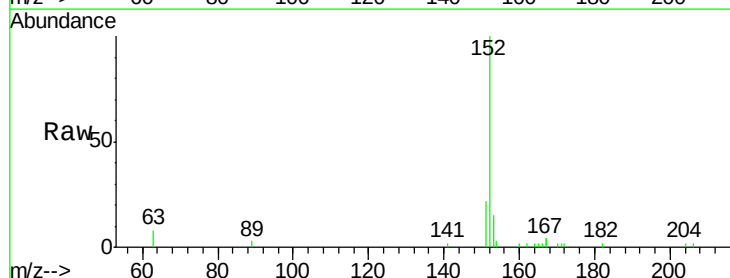
Instrument :
BNA_E
ClientSampleId :
PB106169BS

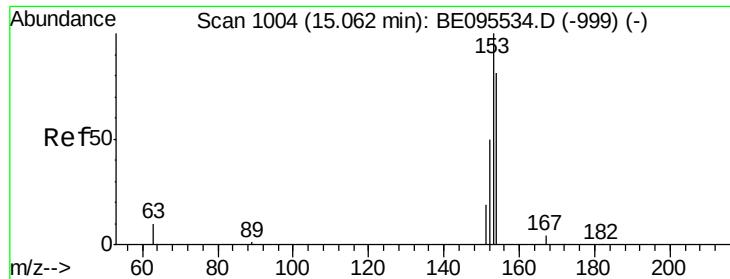
Tot Ion:172 Resp: 3248
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 21.6 21.8 32.8#



#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:152 Resp: 3213
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 12.6 10.5 15.7





#17

Acenaphthene

Concen: 0.239 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

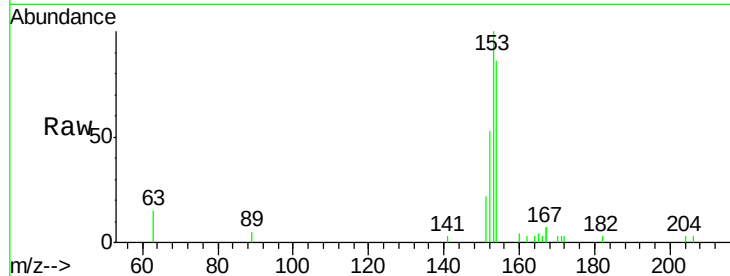
Tot Ion:154 Resp: 2041

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

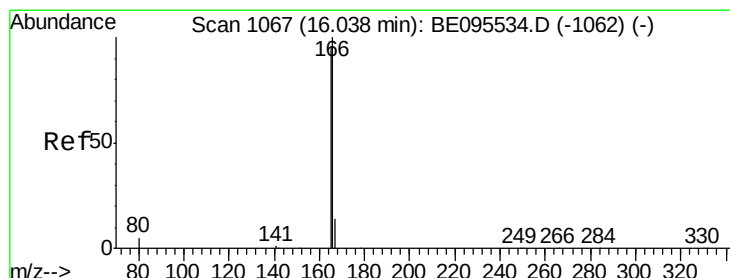
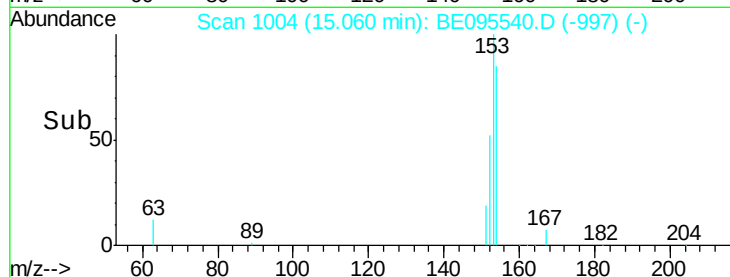
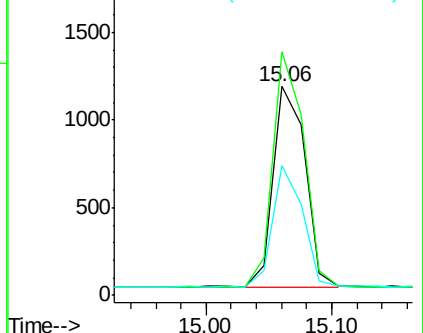
152 57.2 42.0 63.0



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: 0.240 ng

RT: 16.04 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

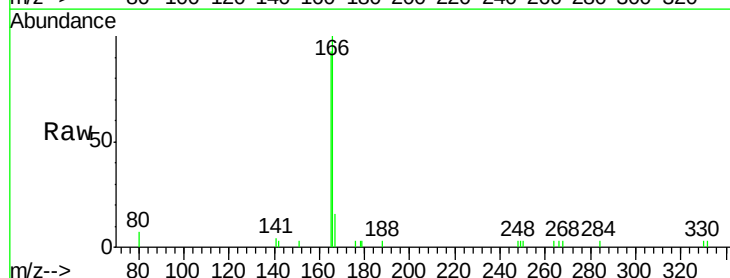
Tgt Ion:166 Resp: 2570

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.6

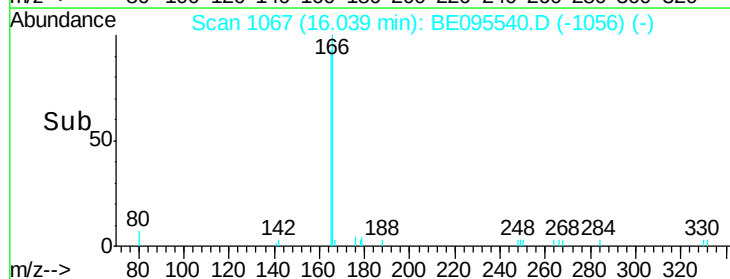
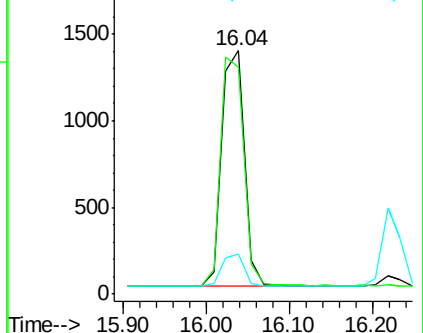
167 14.0 42.4 63.6#

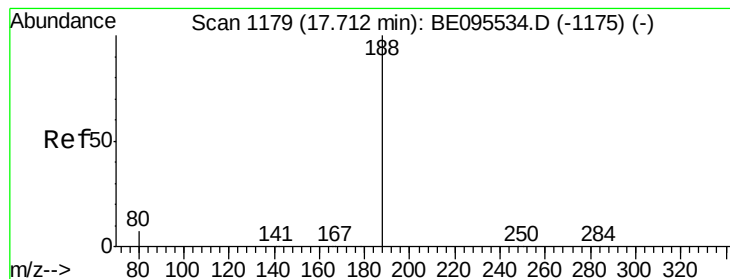


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

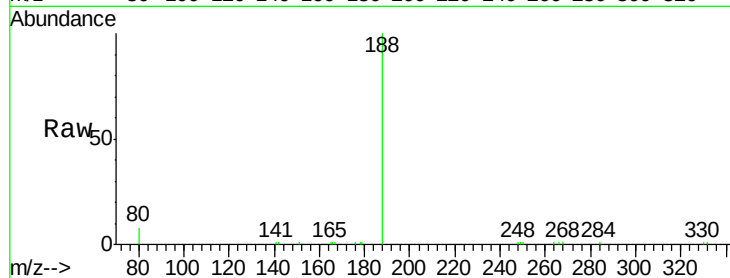
Tot Ion:188 Resp: 5741

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

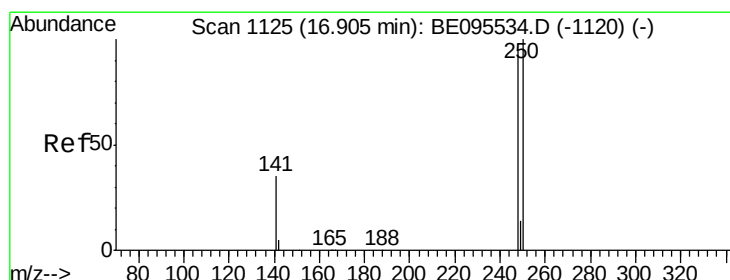
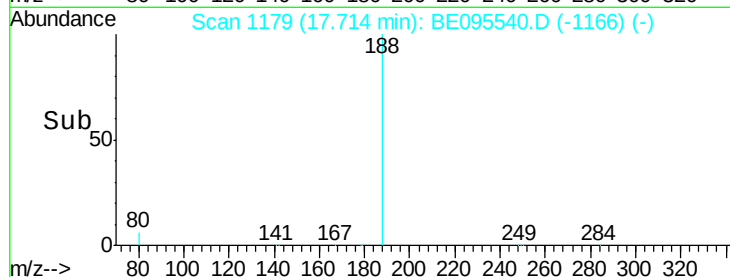
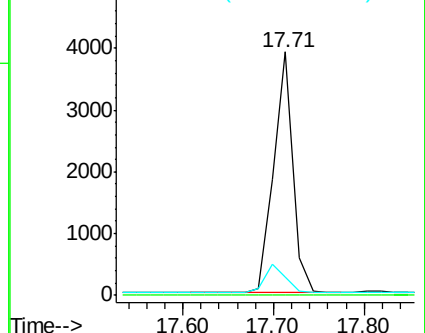
80 7.5 3.6 5.4#



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: 0.257 ng

RT: 16.91 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

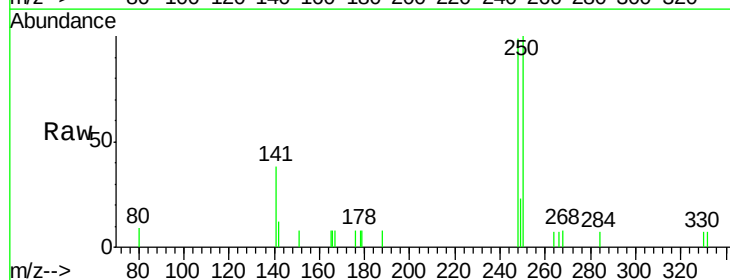
Tgt Ion:248 Resp: 887

Ion Ratio Lower Upper

248 100

250 101.4 62.7 94.1#

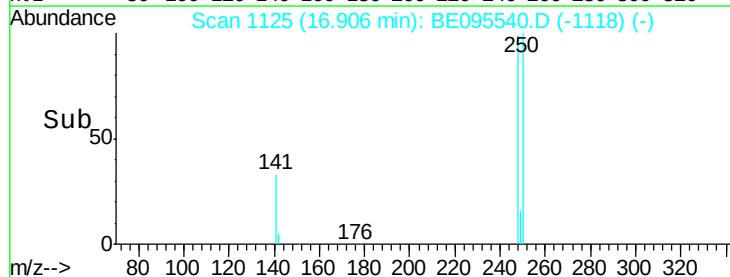
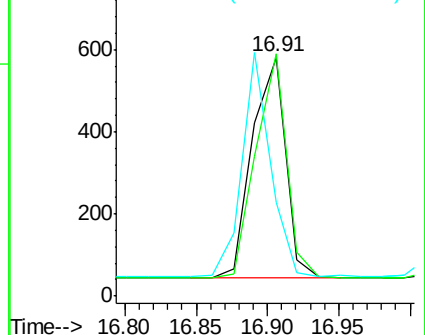
141 39.0 48.2 72.2#

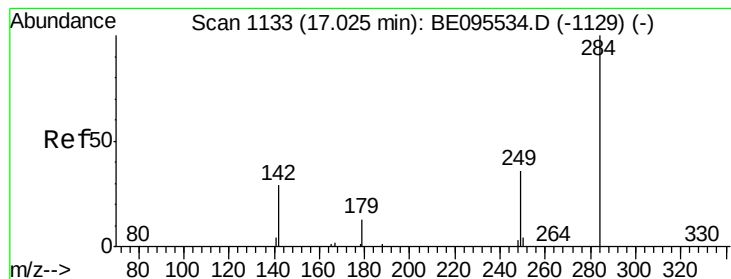


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.248 ng

RT: 17.03 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

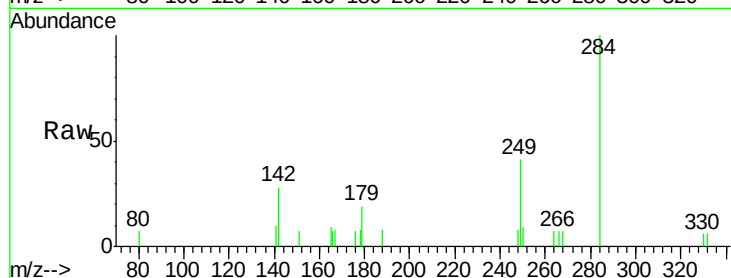
Tot Ion:284 Resp: 883

Ion Ratio Lower Upper

284 100

142 41.1 22.1 33.1#

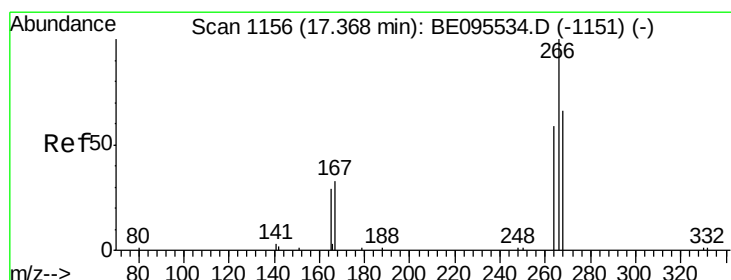
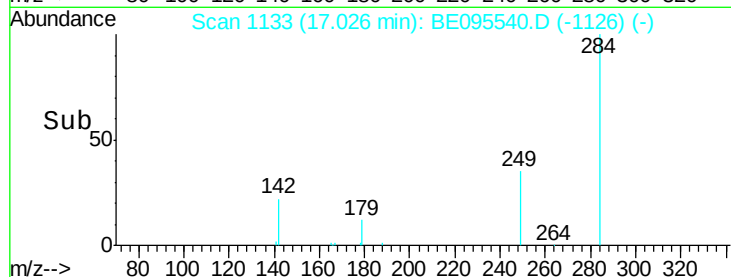
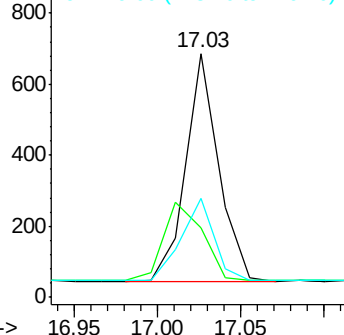
249 36.4 34.8 52.2



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: 0.357 ng

RT: 17.37 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

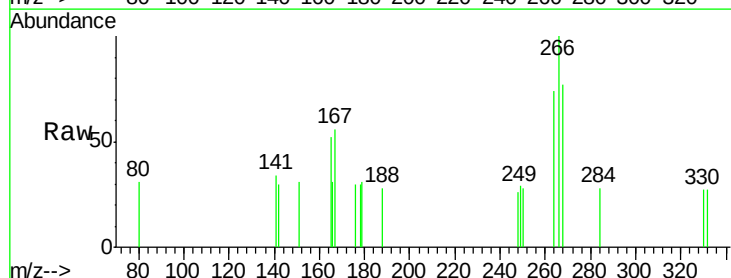
Tgt Ion:266 Resp: 286

Ion Ratio Lower Upper

266 100

264 74.2 72.5 108.7

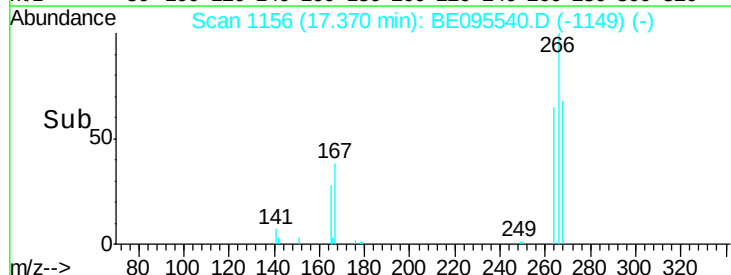
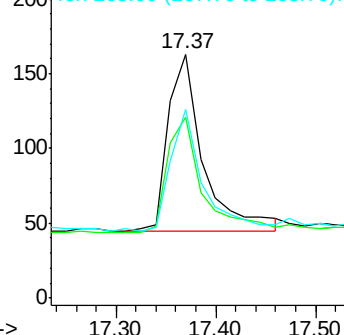
268 77.3 73.8 110.6

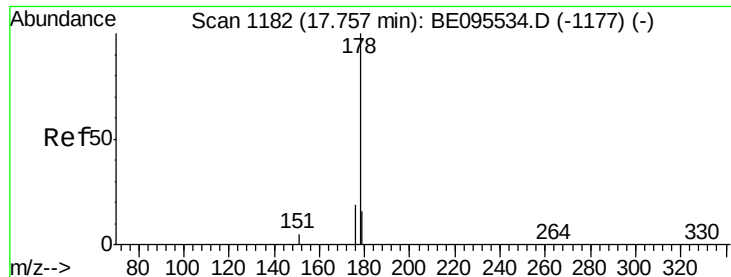


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.255 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

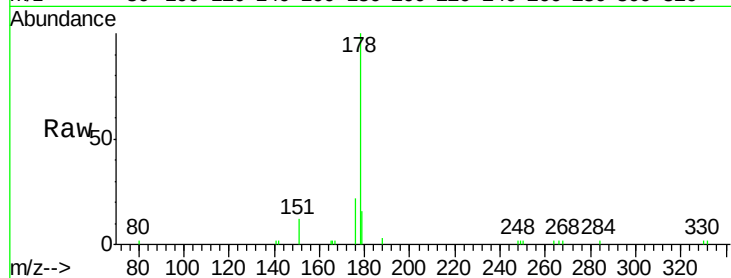
Tot Ion:178 Resp: 4496

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

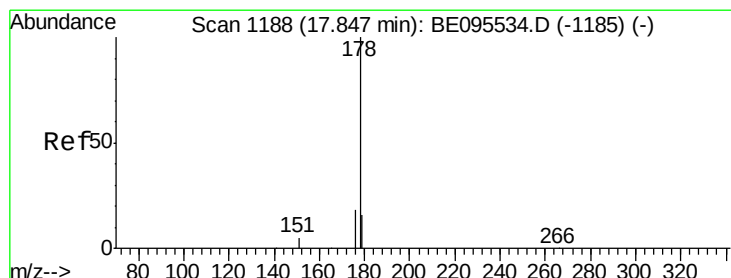
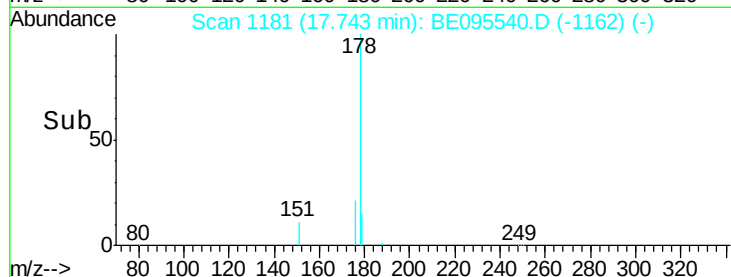
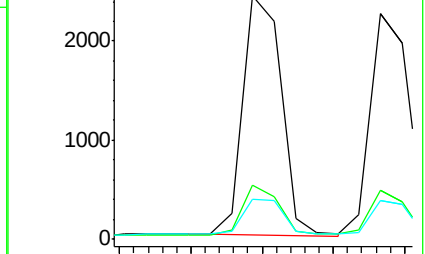
179 14.9 11.8 17.6



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: 0.248 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

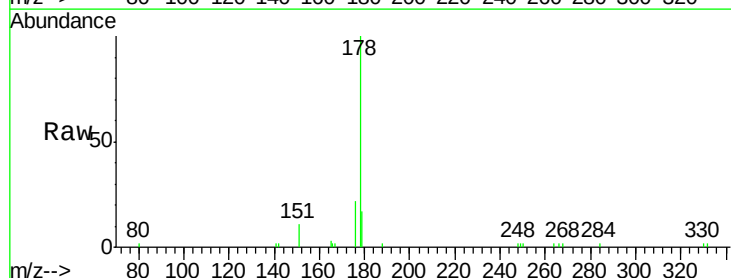
Tgt Ion:178 Resp: 4090

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

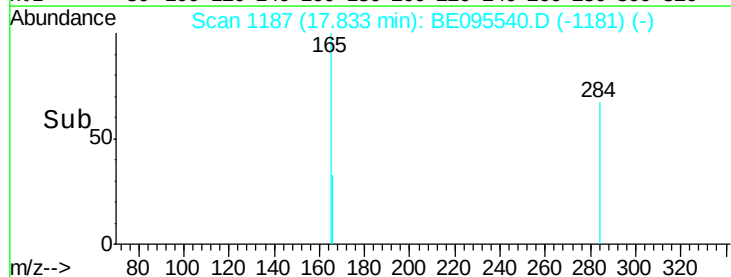
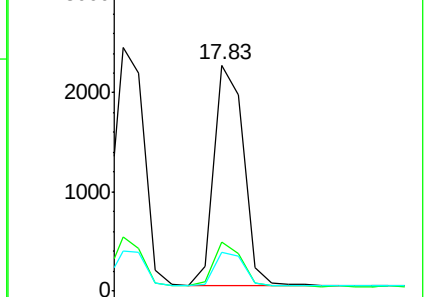
179 15.6 13.0 19.6

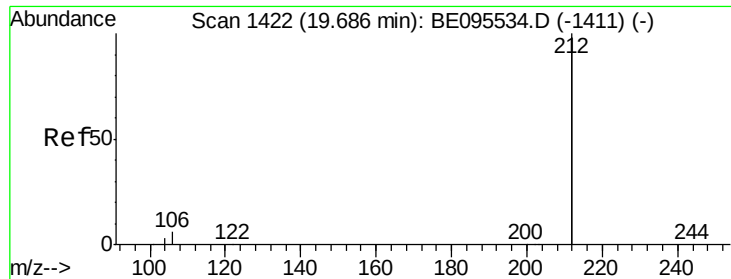


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.267 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

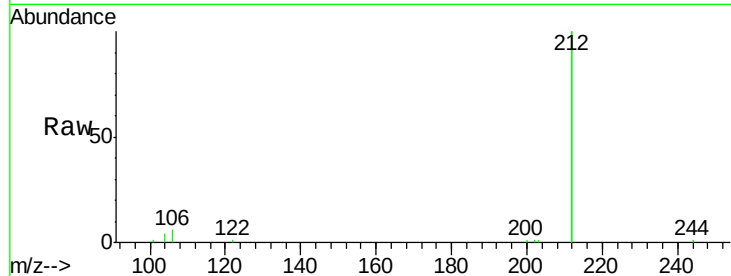
Tot Ion:212 Resp: 20220

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

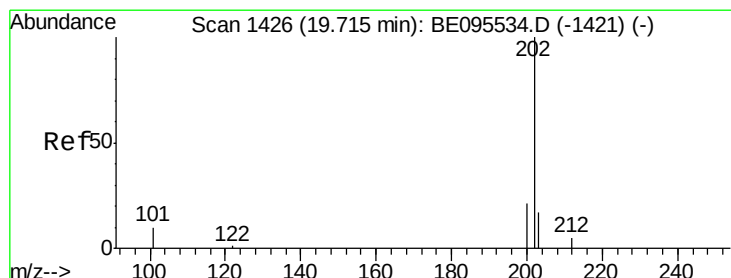
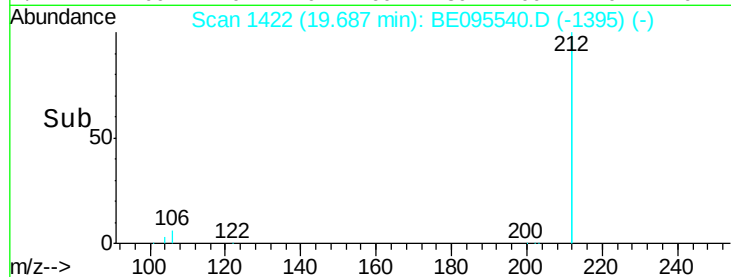
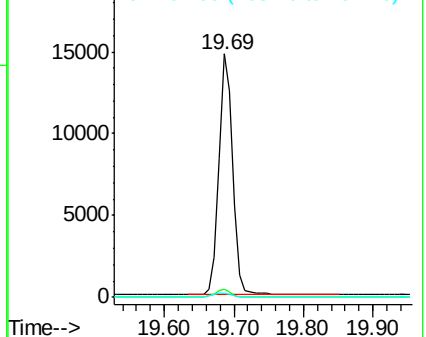
104 1.7 1.6 2.4



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: 0.253 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

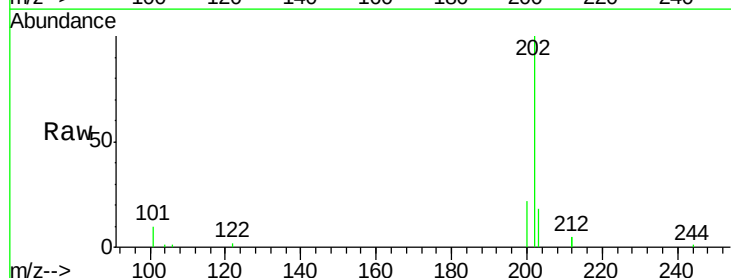
Tgt Ion:202 Resp: 5624

Ion Ratio Lower Upper

202 100

101 10.2 9.8 14.8

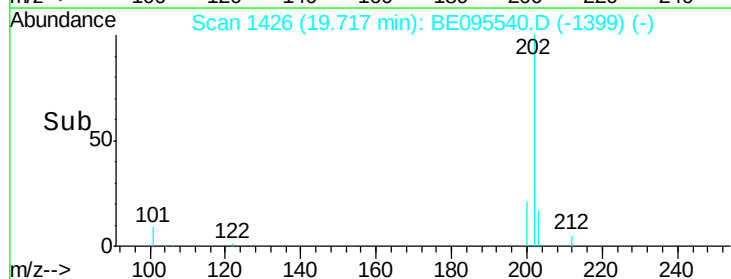
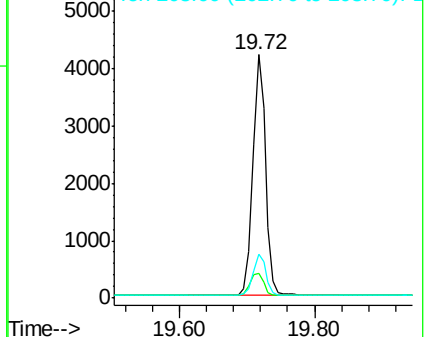
203 17.1 13.7 20.5

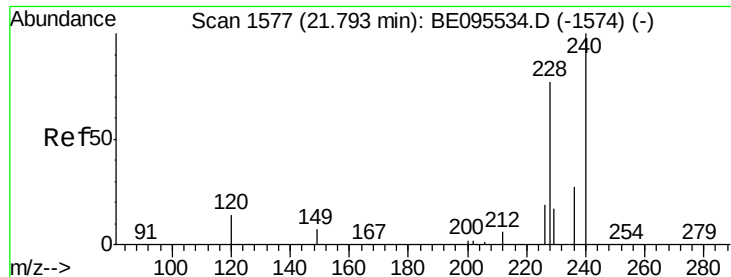


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

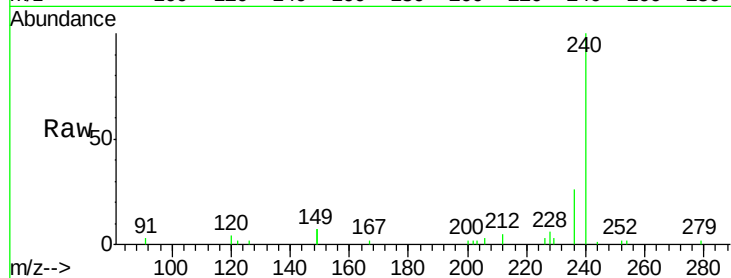




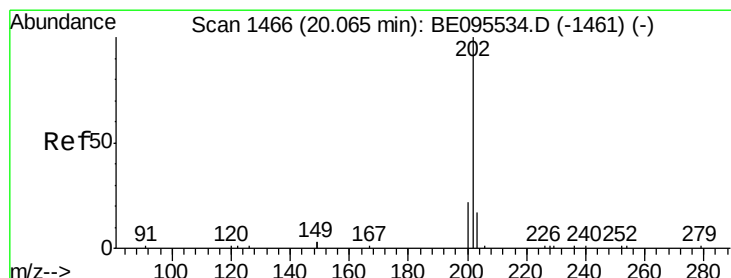
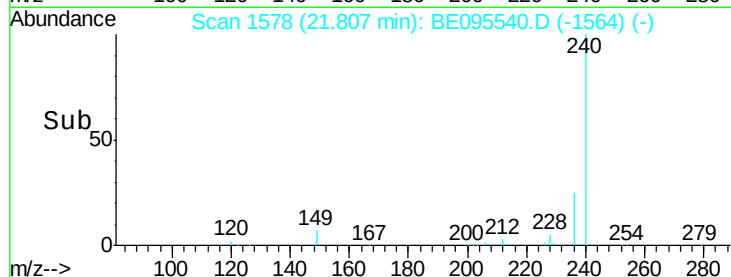
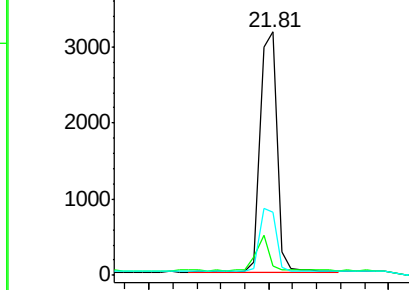
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.81 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: BE095540.D
 Acq: 6 Feb 2018 21:38

Instrument :
 BNA_E
 ClientSampleId :
 PB106169BS

Tot Ion:240 Resp: 6168
 Ion Ratio Lower Upper
 240 100
 120 3.9 5.5 8.3#
 236 25.9 20.7 31.1

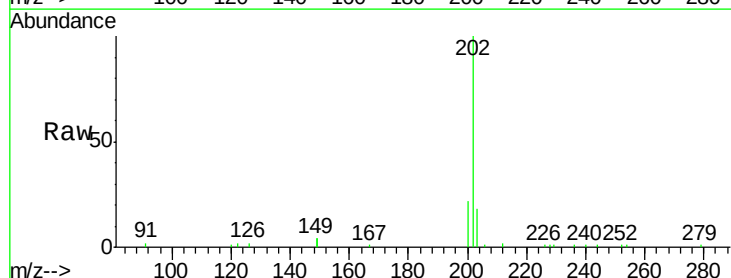


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

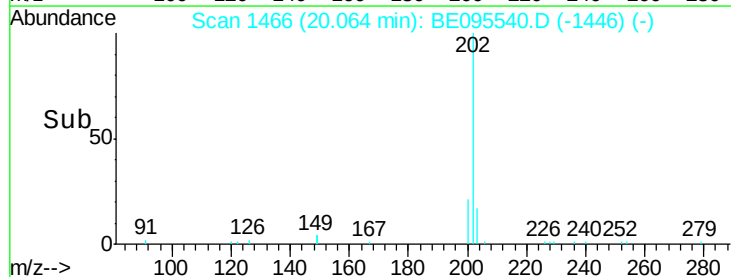
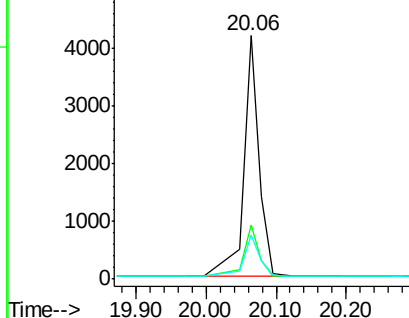


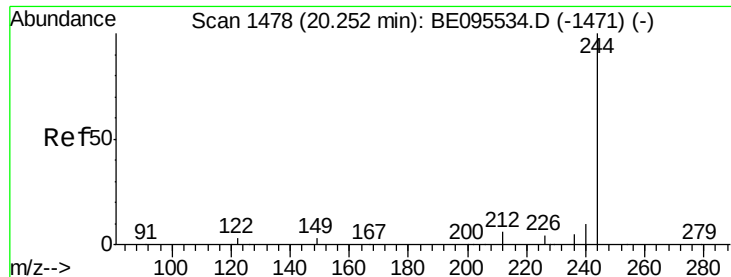
#28
 Pyrene
 Concen: 0.234 ng
 RT: 20.06 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BE095540.D
 Acq: 6 Feb 2018 21:38

Tgt Ion:202 Resp: 6051
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.6 25.0
 203 19.3 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: 0.307 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

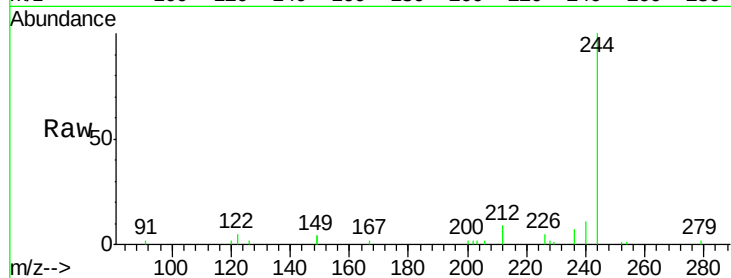
Tot Ion:244 Resp: 4034

Ion Ratio Lower Upper

244 100

212 8.7 25.4 38.0#

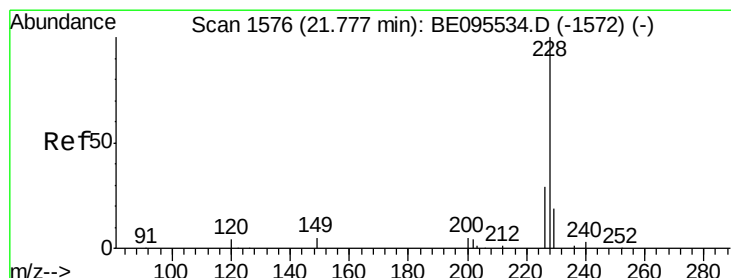
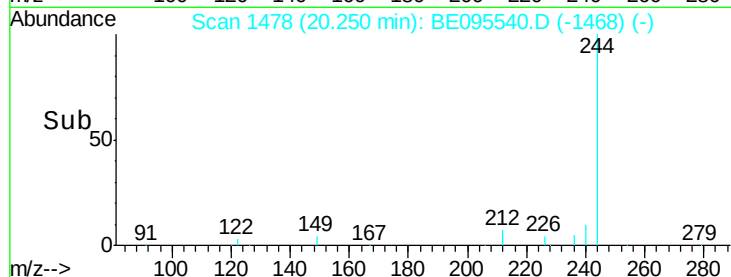
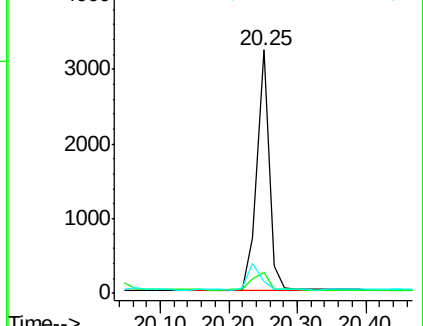
122 4.7 8.1 12.1#



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: 0.245 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

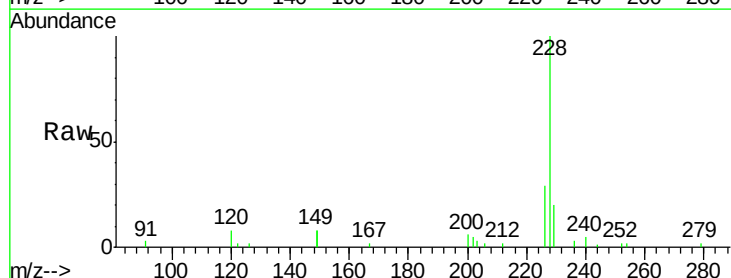
Tgt Ion:228 Resp: 5030

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

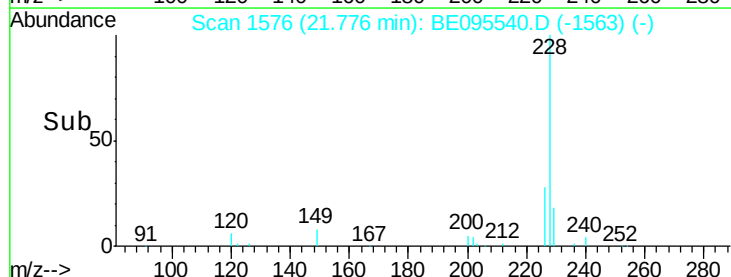
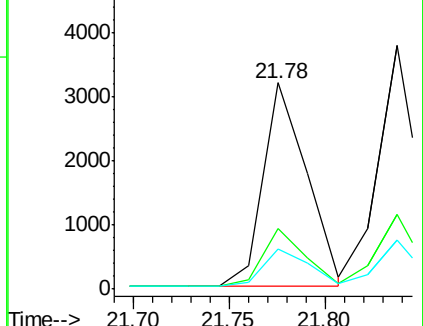
229 19.6 16.0 24.0

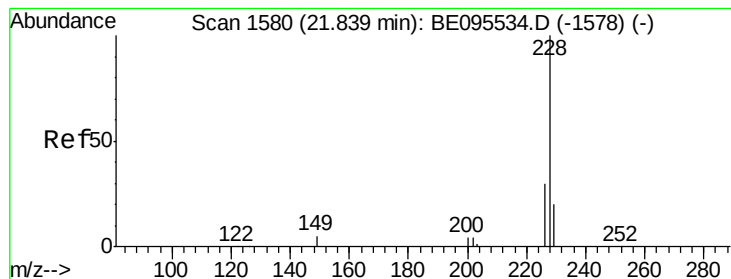


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.258 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

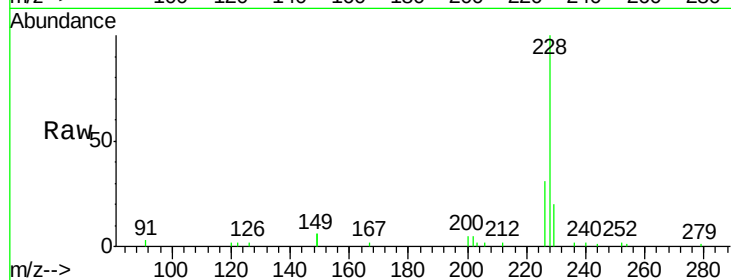
Tot Ion:228 Resp: 5228

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

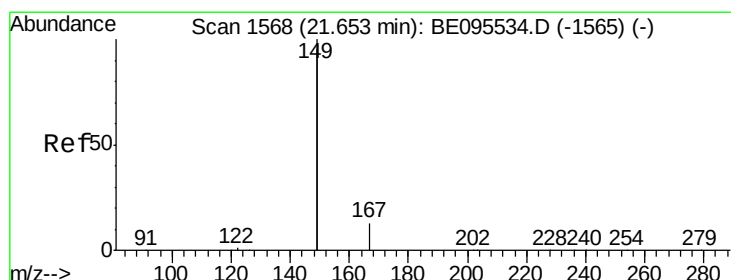
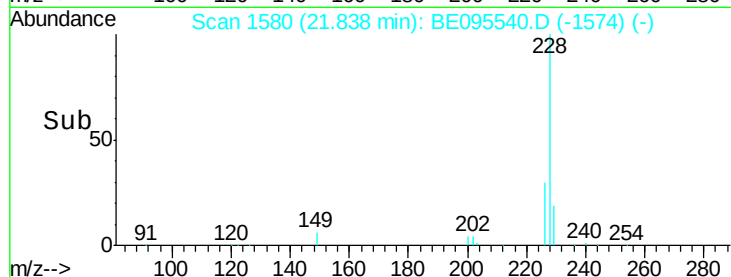
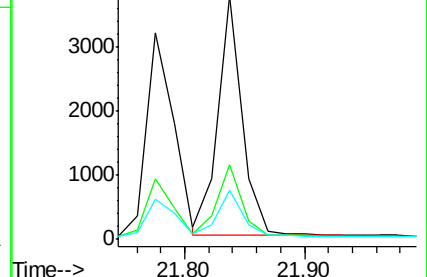
229 20.1 16.0 24.0



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: 0.195 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

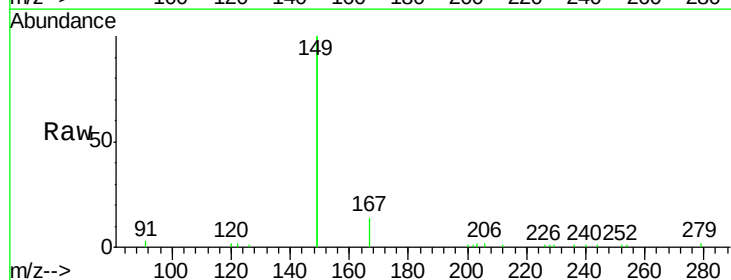
Tgt Ion:149 Resp: 9240

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

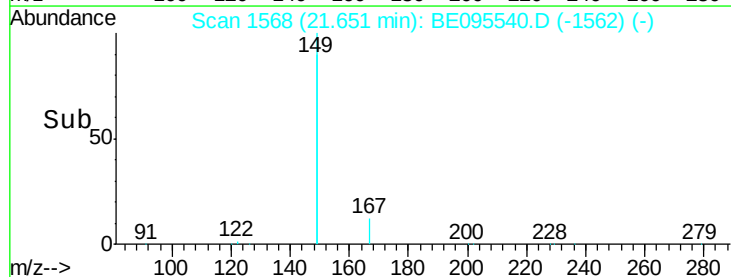
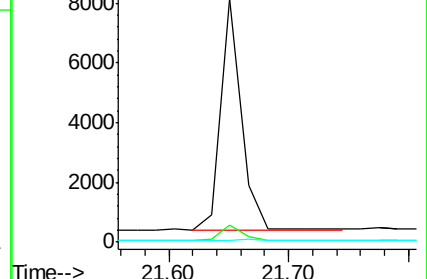
279 0.9 0.7 1.1

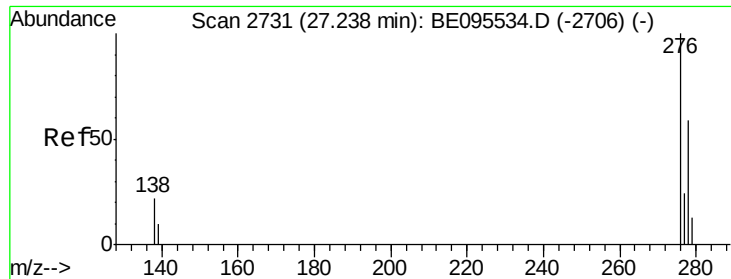


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

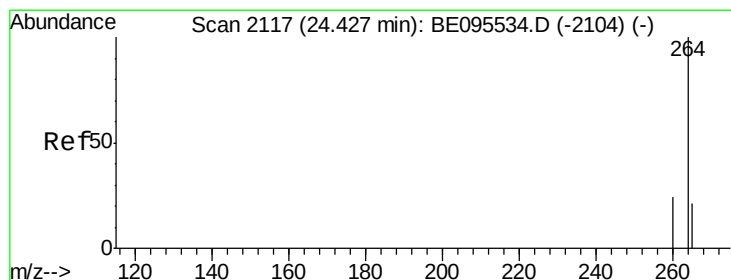
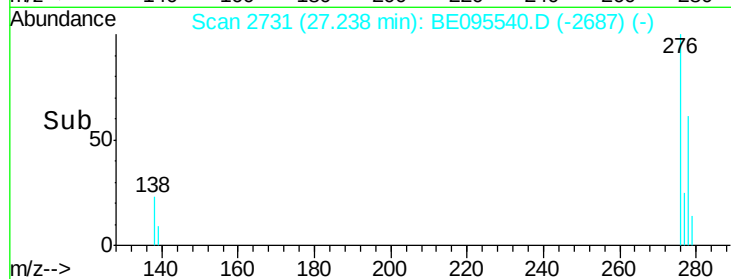
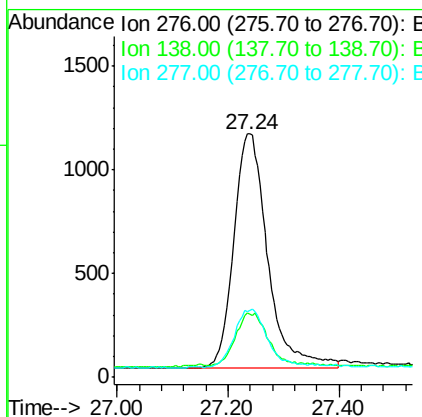
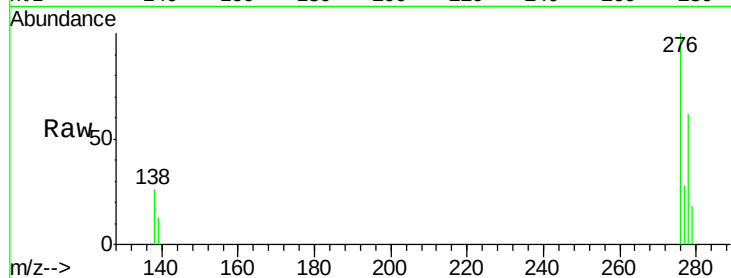




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.246 ng
 RT: 27.24 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: BE095540.D
 Acq: 6 Feb 2018 21:38

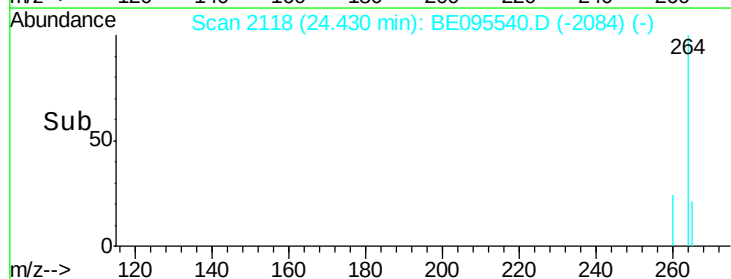
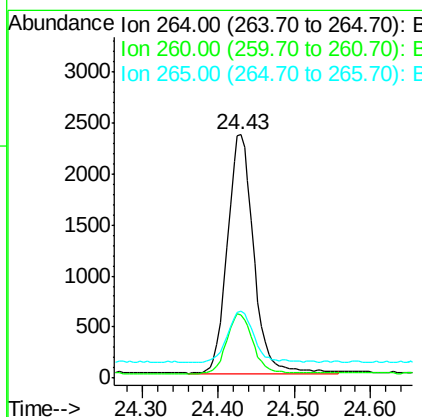
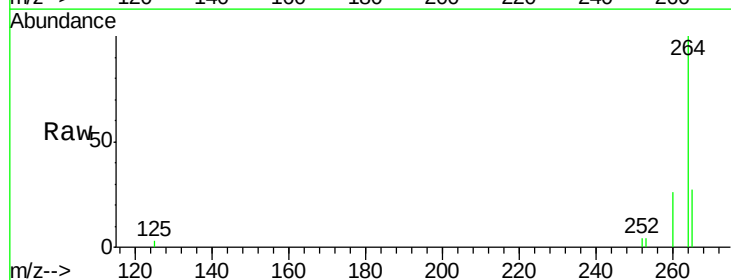
Instrument :
 BNA_E
 ClientSampleId :
 PB106169BS

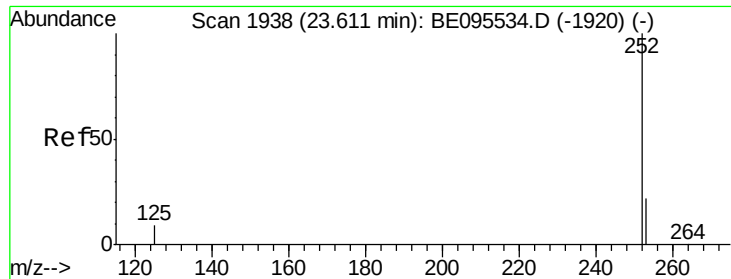
Tot Ion:276 Resp: 4805
 Ion Ratio Lower Upper
 276 100
 138 21.3 22.5 33.7#
 277 24.3 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BE095540.D
 Acq: 6 Feb 2018 21:38

Tgt Ion:264 Resp: 5637
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.5 30.7
 265 27.3 22.8 34.2

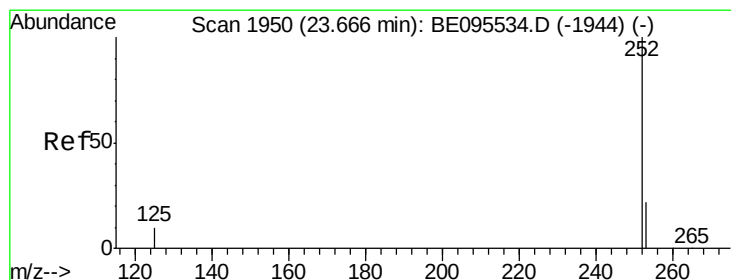
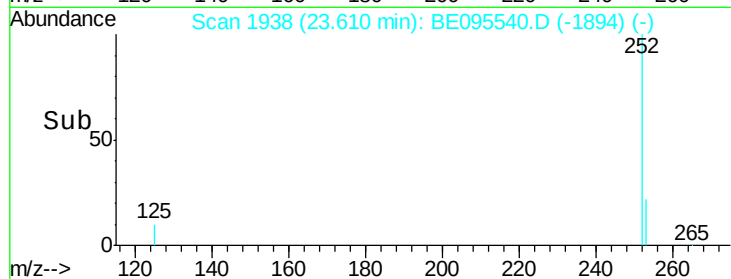
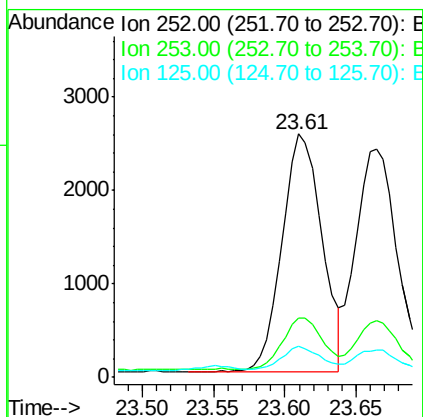
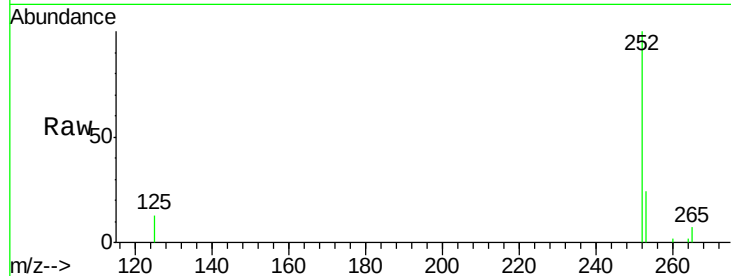




#35
Benzo(b)fluoranthene
Concen: 0.255 ng
RT: 23.61 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

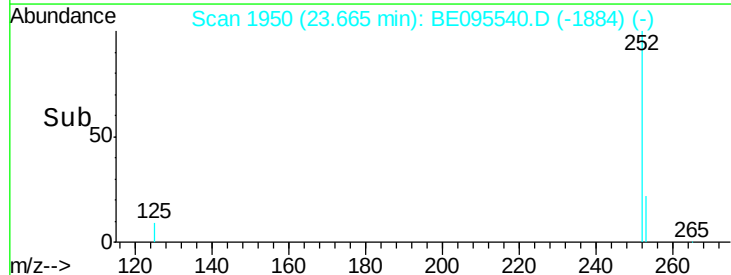
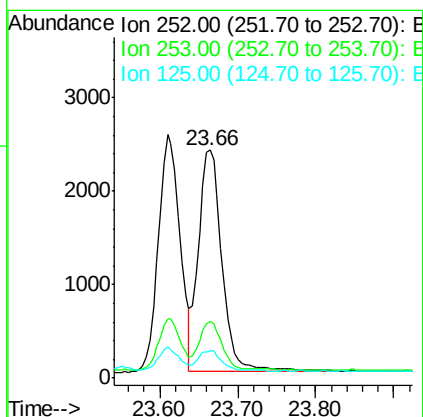
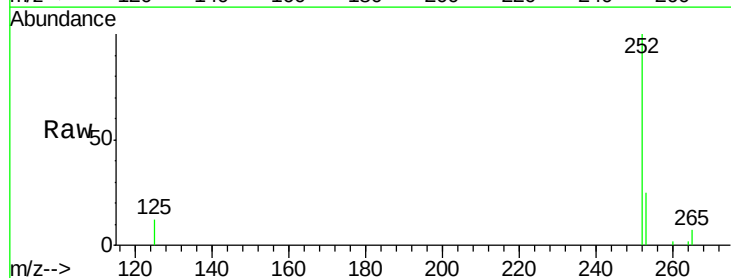
Instrument :
BNA_E
ClientSampleId :
PB106169BS

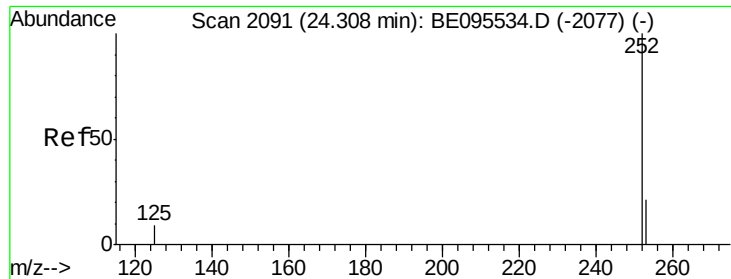
Tot Ion:252 Resp: 4906
Ion Ratio Lower Upper
252 100
253 24.3 20.0 30.0
125 12.9 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.253 ng
RT: 23.66 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:252 Resp: 4999
Ion Ratio Lower Upper
252 100
253 24.7 16.0 24.0#
125 12.0 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.256 ng

RT: 24.31 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

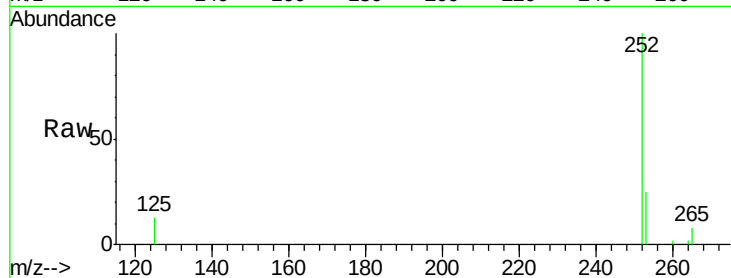
Tot Ion:252 Resp: 4581

Ion Ratio Lower Upper

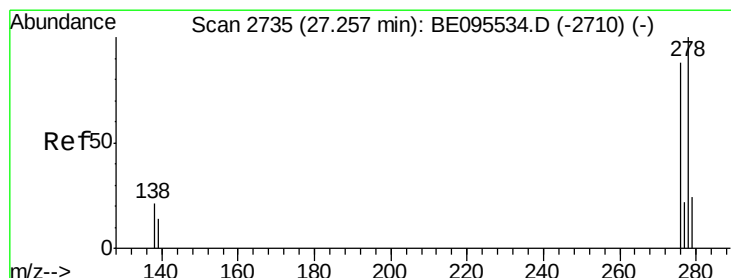
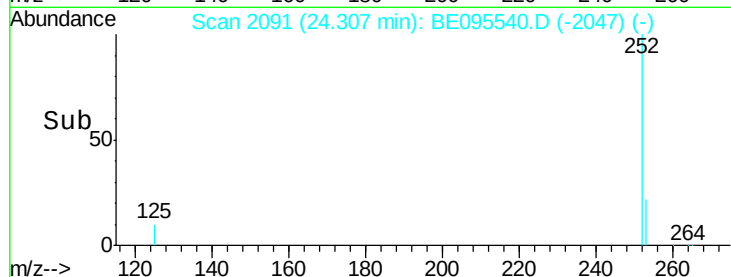
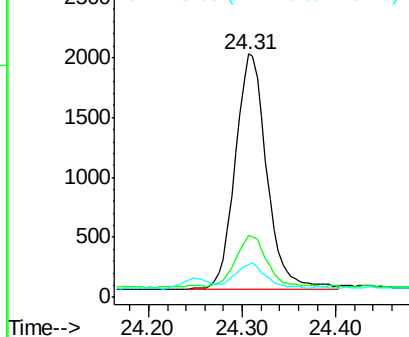
252 100

253 25.5 16.0 24.0#

125 13.4 12.0 18.0



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: 0.240 ng

RT: 27.26 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

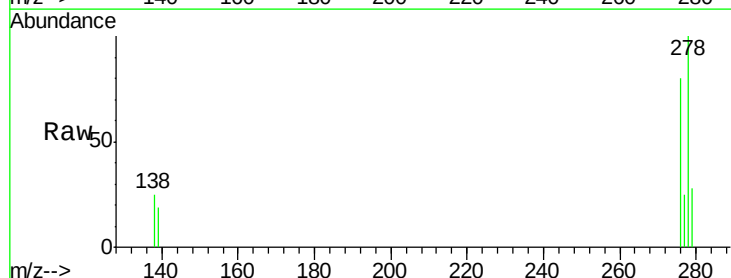
Tgt Ion:278 Resp: 3763

Ion Ratio Lower Upper

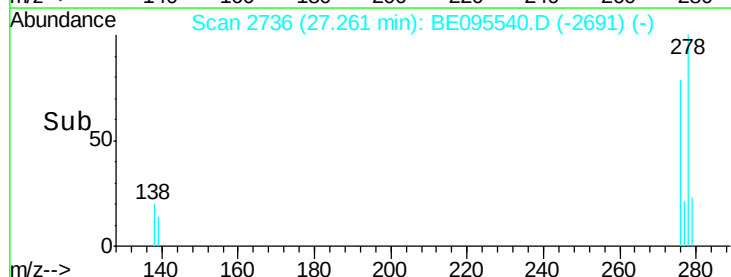
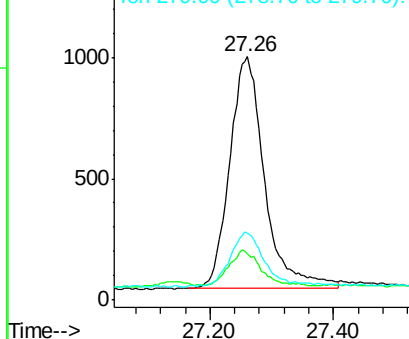
278 100

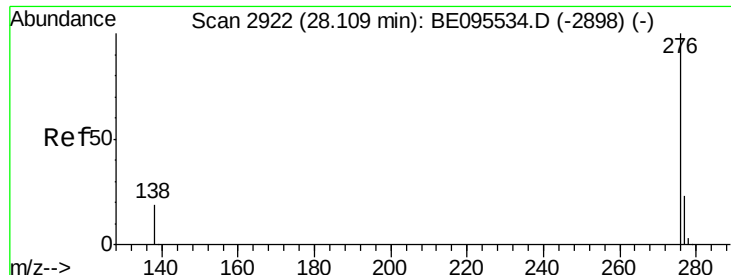
139 19.2 16.0 24.0

279 27.6 20.0 30.0



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: 0.255 ng

RT: 28.11 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BE095540.D

Acq: 6 Feb 2018 21:38

Instrument :

BNA_E

ClientSampleId :

PB106169BS

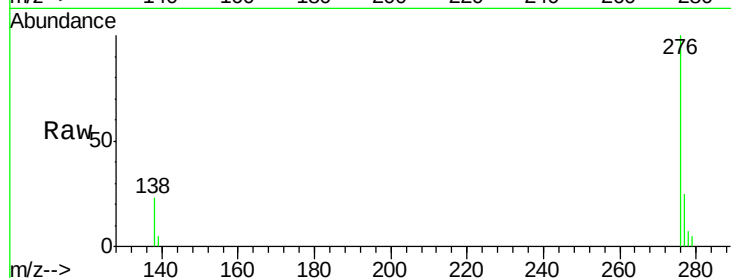
Tot Ion:276 Resp: 4293

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 22.7 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

