

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020618\
 Data File : BE095541.D
 Acq On : 6 Feb 2018 22:14
 Operator : SJ/JU
 Sample : PB106169BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB106169BSD

Quant Time: Feb 07 04:35:41 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	8.43	152	1221	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4367	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2238	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5298	0.40	ng	0.00
27) Chrysene-d12	21.81	240	5671	0.40	ng	0.01
34) Perylene-d12	24.43	264	5232	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	943	0.26	ng	0.00
5) Phenol-d6	7.57	99	1222	0.24	ng	0.00
8) Nitrobenzene-d5	9.62	82	1261	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	1814	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	195	0.19	ng	0.00
15) 2-Fluorobiphenyl	13.65	172	2991	0.31	ng	0.00
25) Fluoranthene-d10	19.69	212	18732	0.27	ng	0.00
29) Terphenyl-d14	20.25	244	3877	0.32	ng	0.00

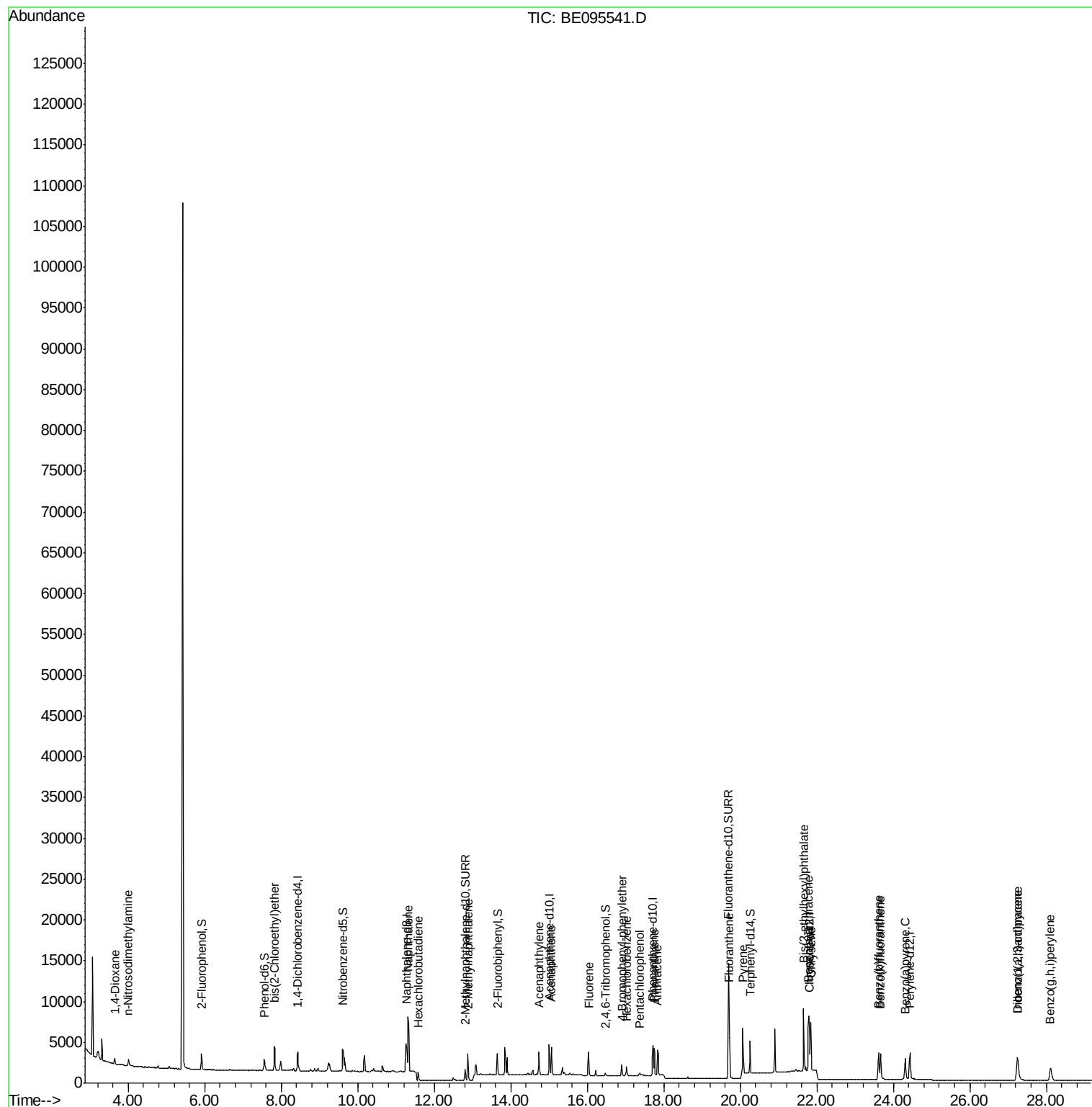
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	463	0.229	ng	# 57
3) n-Nitrosodimethylamine	3.99	42	653	0.257	ng	# 78
6) bis(2-Chloroethyl)ether	7.83	93	1122	0.239	ng	98
9) Naphthalene	11.31	128	13157	0.259	ng	99
10) Hexachlorobutadiene	11.58	225	659	0.242	ng	91
12) 2-Methylnaphthalene	12.88	142	2203	0.256	ng	95
16) Acenaphthylene	14.73	152	3094	0.242	ng	100
17) Acenaphthene	15.06	154	1971	0.248	ng	98
18) Fluorene	16.04	166	2480	0.249	ng	# 80
20) 4-Bromophenyl-phenylether	16.91	248	836	0.263	ng	# 72
21) Hexachlorobenzene	17.03	284	860	0.262	ng	# 82
22) Pentachlorophenol	17.37	266	247	0.344	ng	85
23) Phenanthrene	17.74	178	4222	0.260	ng	99
24) Anthracene	17.83	178	3916	0.258	ng	# 95
26) Fluoranthene	19.72	202	5442	0.265	ng	97
28) Pyrene	20.06	202	6367	0.267	ng	97
30) Benzo(a)anthracene	21.78	228	4919	0.260	ng	99
31) Chrysene	21.84	228	5159	0.277	ng	100
32) Bis(2-ethylhexyl)phthalate	21.65	149	8701	0.200	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	4699	0.261	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	4749	0.266	ng	# 93
36) Benzo(k)fluoranthene	23.67	252	4842	0.264	ng	# 92
37) Benzo(a)pyrene	24.31	252	4401	0.265	ng	# 93
38) Dibenzo(a,h)anthracene	27.25	278	3696	0.254	ng	97
39) Benzo(g,h,i)perylene	28.10	276	4113	0.264	ng	# 94

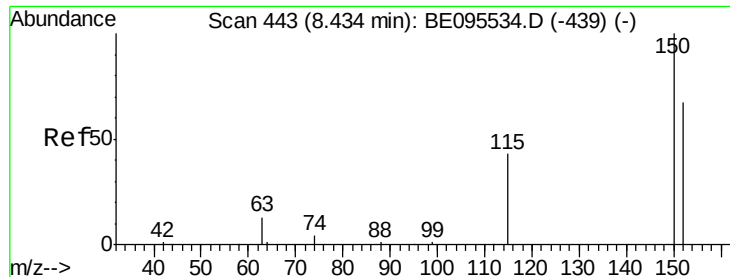
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 443

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

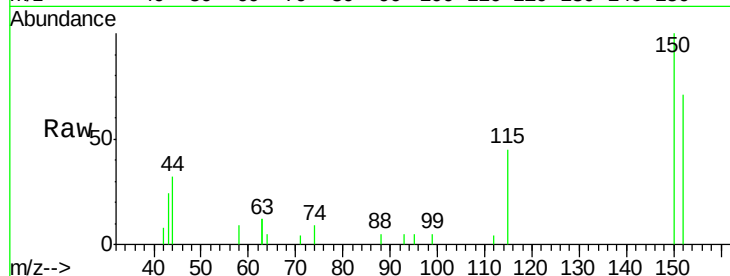
Tot Ion:152 Resp: 1221

Ion Ratio Lower Upper

152 100

150 140.2 117.2 175.8

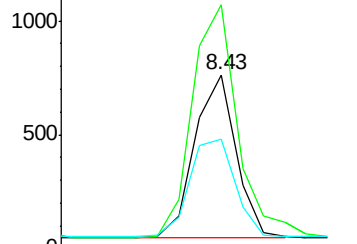
115 63.2 57.0 85.6



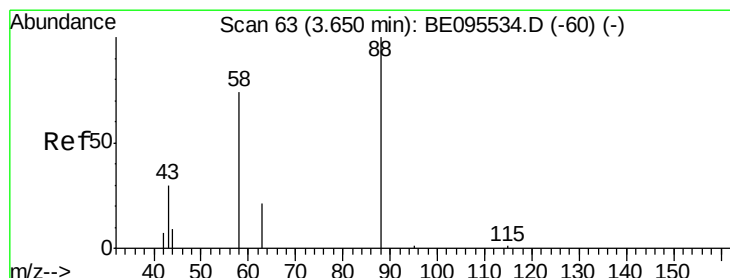
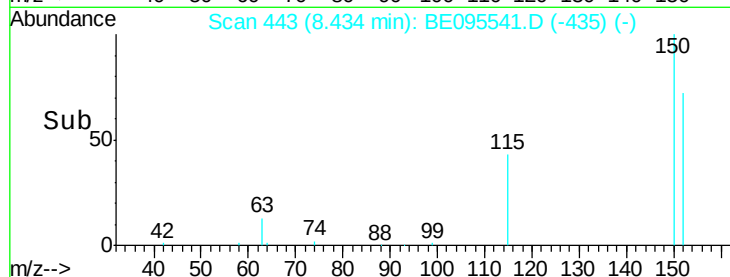
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.229 ng

RT: 3.65 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

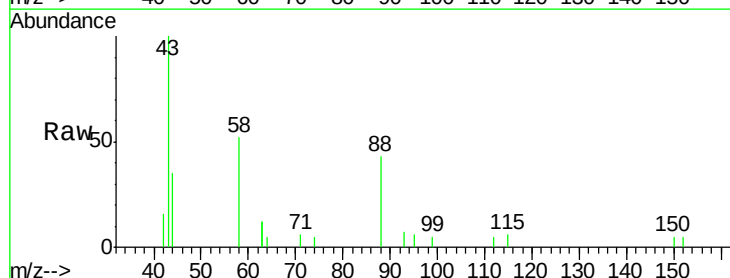
Tgt Ion: 88 Resp: 463

Ion Ratio Lower Upper

88 100

58 128.7 63.2 94.8#

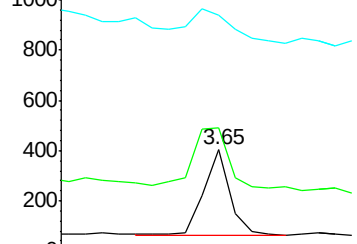
43 67.2 41.2 61.8#



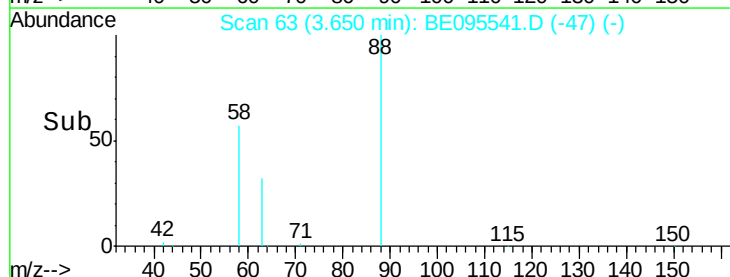
Abundance Ion 88.00 (87.70 to 88.70): BE0

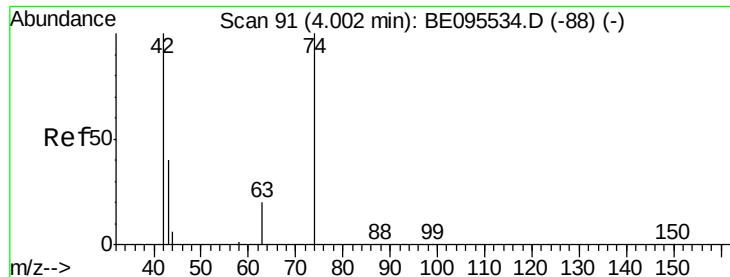
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



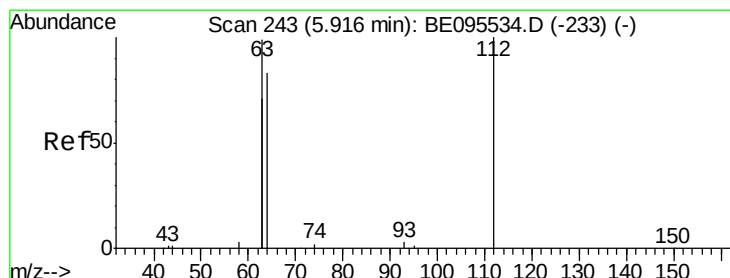
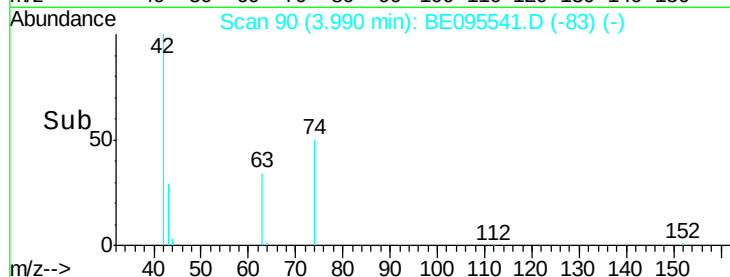
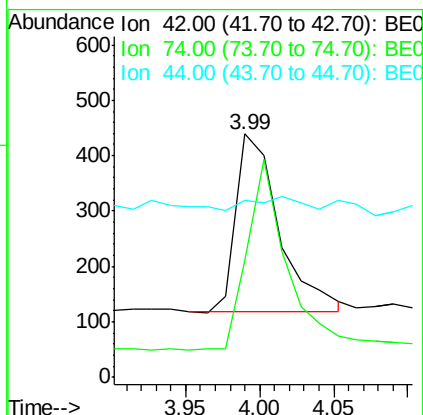
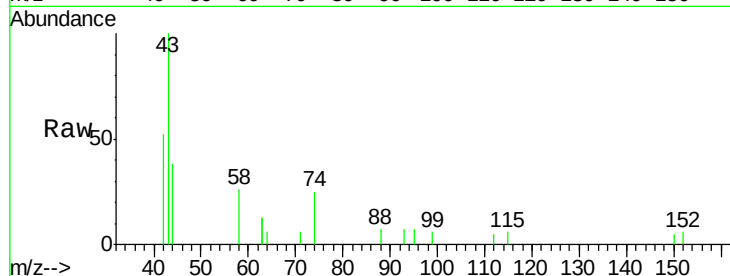


#3

n-Nitrosodimethylamine
 Concen: 0.257 ng
 RT: 3.99 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: BE095541.D
 Acq: 6 Feb 2018 22:14

Instrument :
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 PB106169BSD

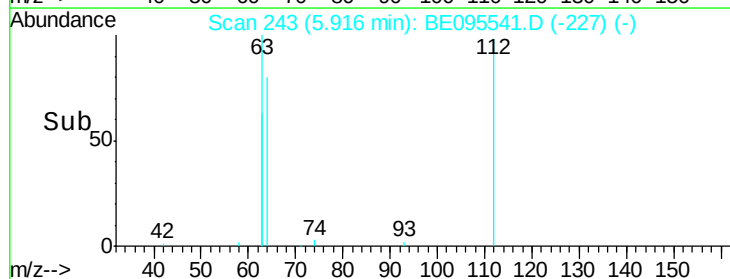
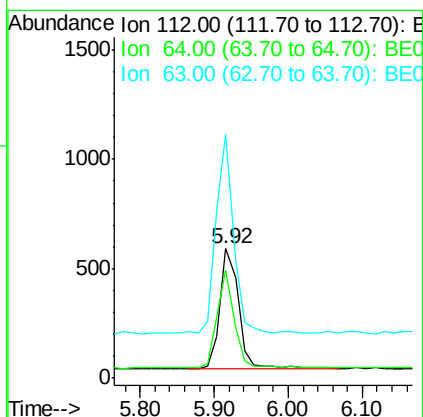
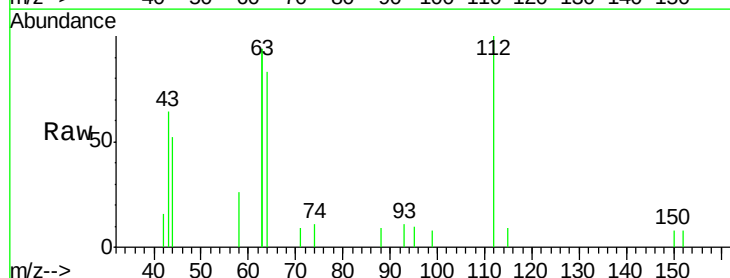
Tot Ion: 42 Resp: 653
 Ion Ratio Lower Upper
 42 100
 74 97.4 96.0 144.0
 44 0.0 12.0 18.0#

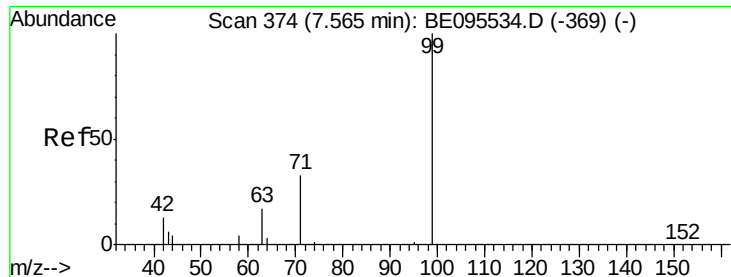


#4

2-Fluorophenol
 Concen: 0.256 ng
 RT: 5.92 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: BE095541.D
 Acq: 6 Feb 2018 22:14

Tgt Ion: 112 Resp: 943
 Ion Ratio Lower Upper
 112 100
 64 76.2 60.1 90.1
 63 157.7 116.8 175.2





#5

Phenol-d6

Concen: 0.240 ng

RT: 7.57 min Scan# 374

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

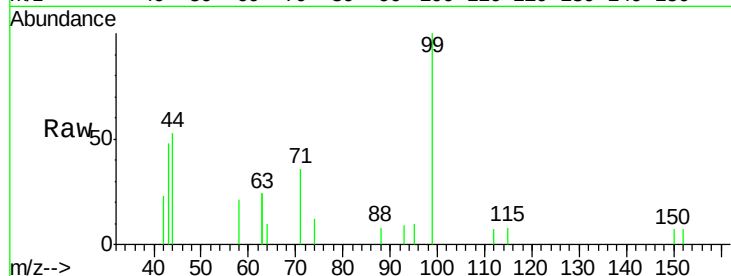
Tot Ion: 99 Resp: 1222

Ion Ratio Lower Upper

99 100

42 25.5 20.2 30.2

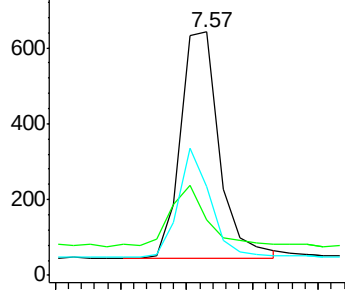
71 39.7 28.4 42.6



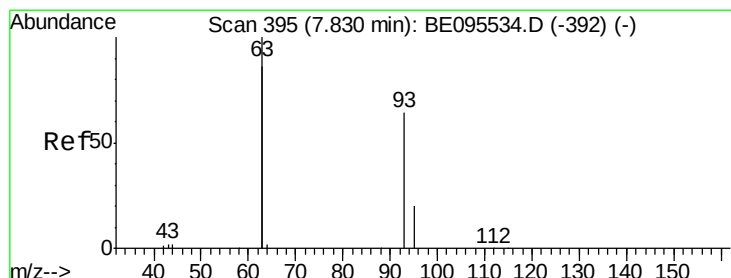
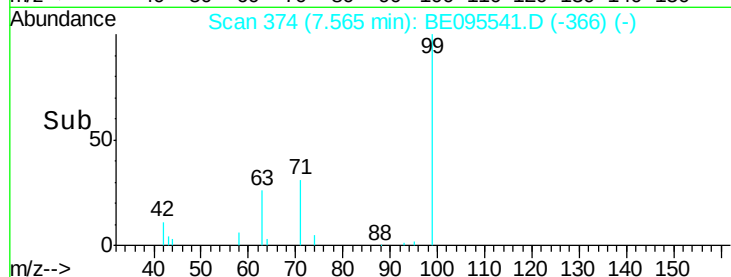
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.239 ng

RT: 7.83 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

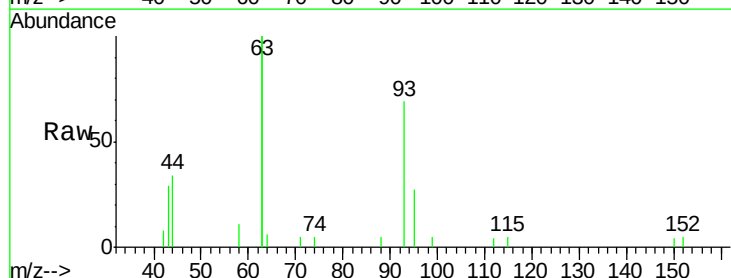
Tgt Ion: 93 Resp: 1122

Ion Ratio Lower Upper

93 100

63 348.8 275.3 412.9

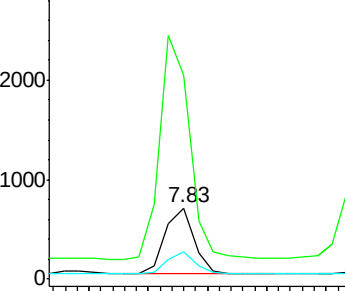
95 33.6 25.2 37.8



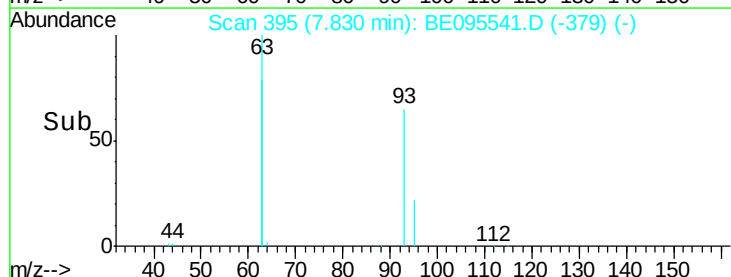
Abundance Ion 93.00 (92.70 to 93.70): BE0

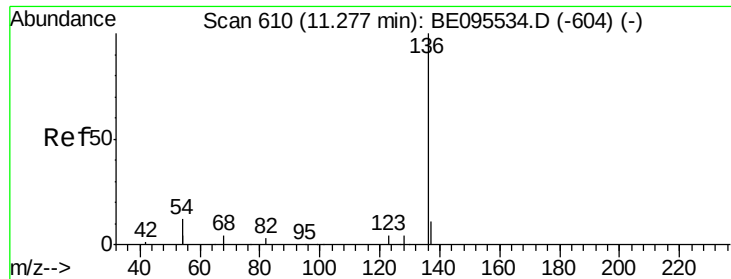
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.28 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

Tot Ion:136 Resp: 4367

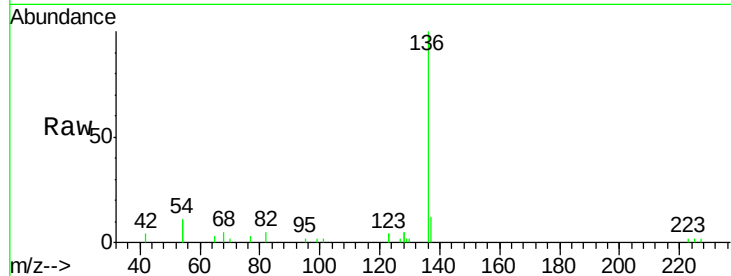
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 22.3 29.1 43.7#

68 5.1 6.2 9.2#

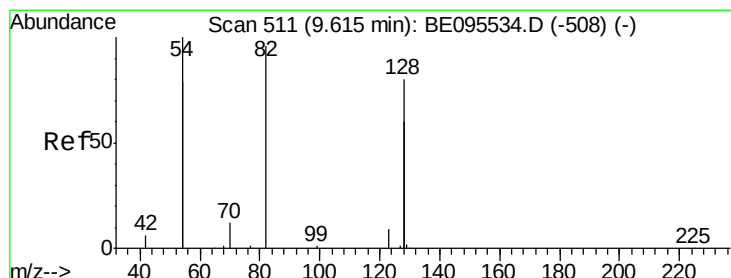
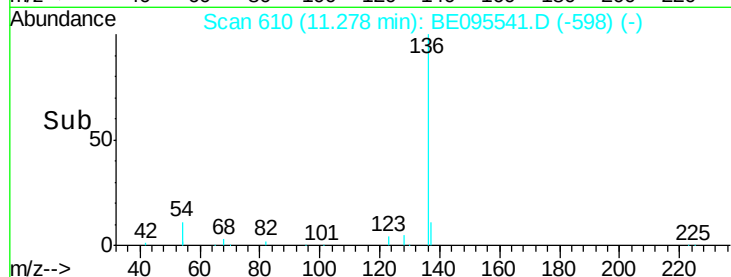
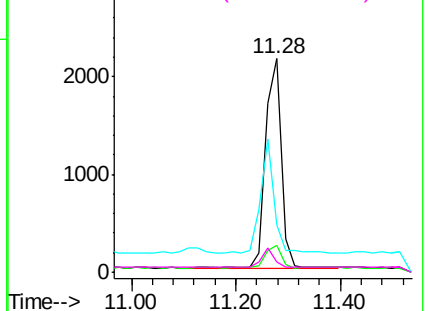


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.272 ng

RT: 9.62 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

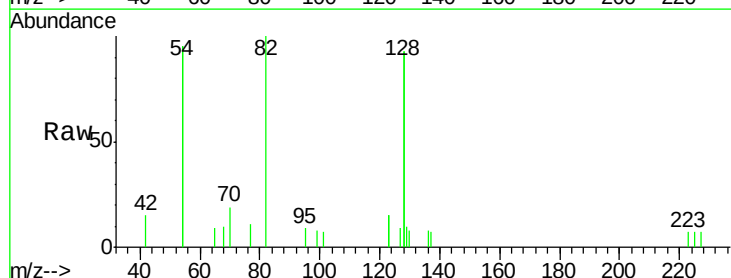
Tgt Ion: 82 Resp: 1261

Ion Ratio Lower Upper

82 100

128 186.5 150.0 225.0

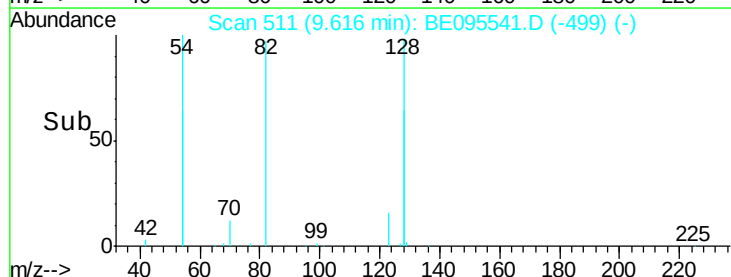
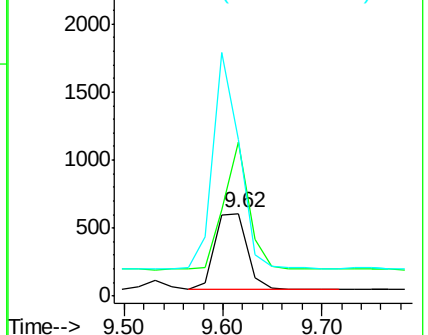
54 189.5 154.2 231.4

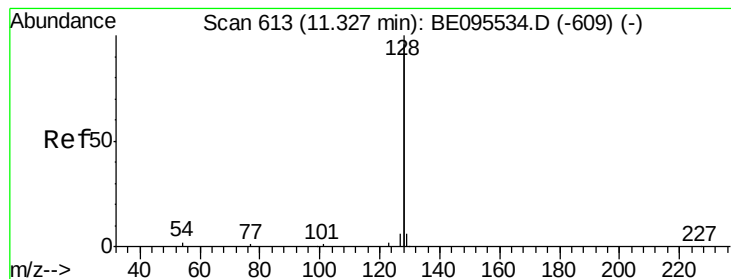


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.259 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

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PB106169BSD

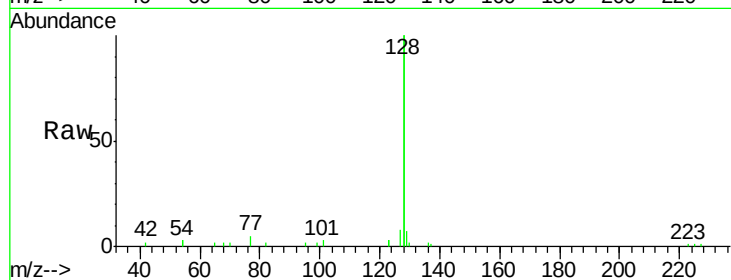
Tot Ion:128 Resp: 13157

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

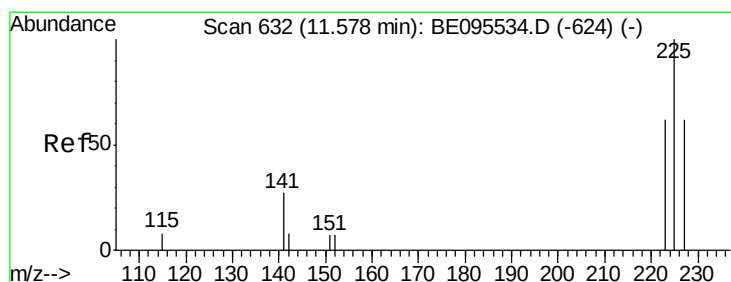
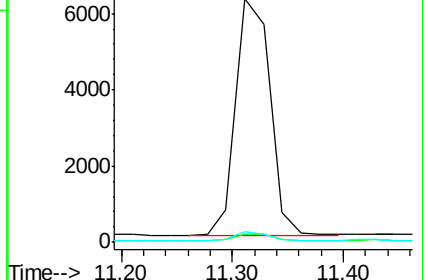
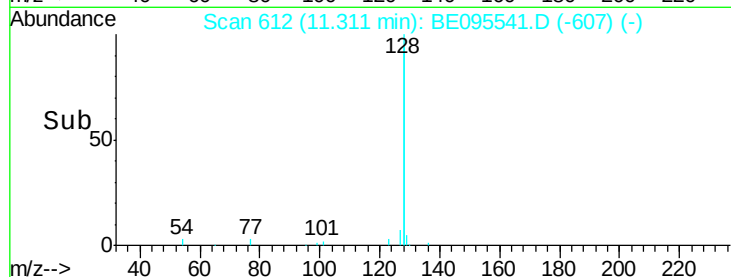
127 4.2 2.8 4.2



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: 0.242 ng

RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

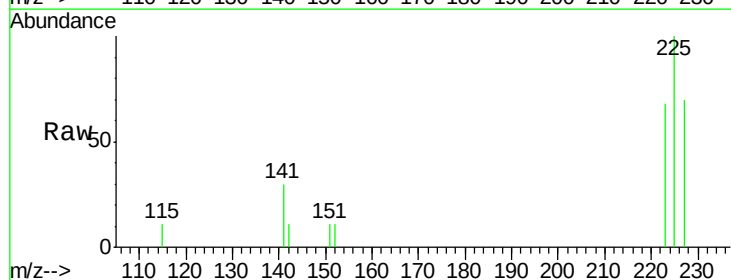
Tgt Ion:225 Resp: 659

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

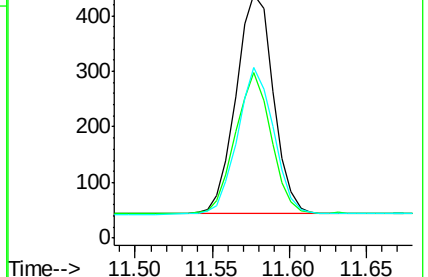
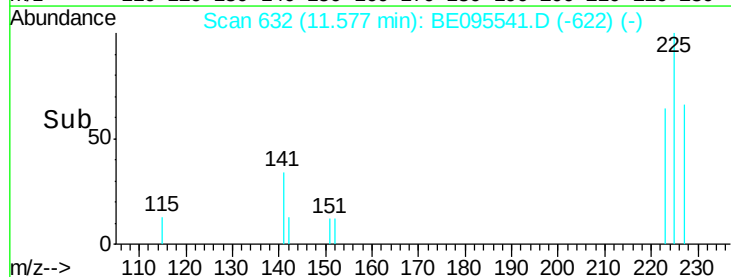
227 74.7 51.4 77.2

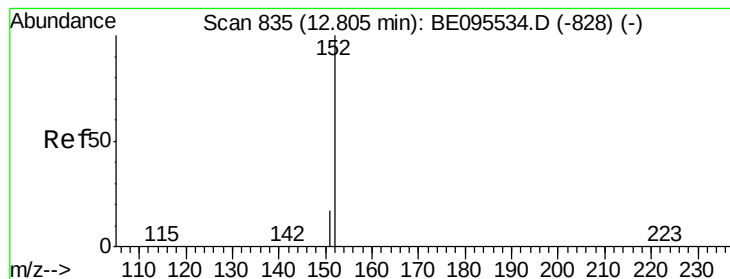


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.251 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

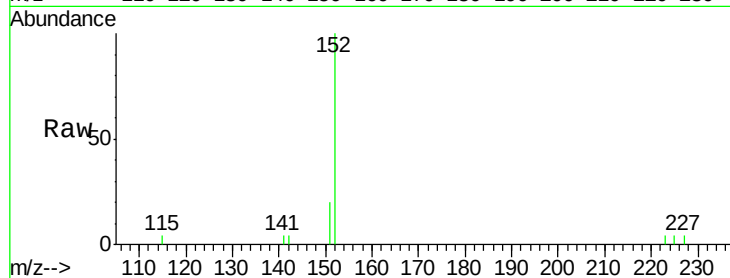
PB106169BSD

Tot Ion:152 Resp: 1814

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

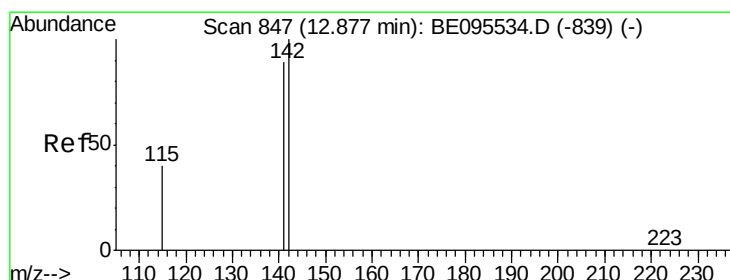
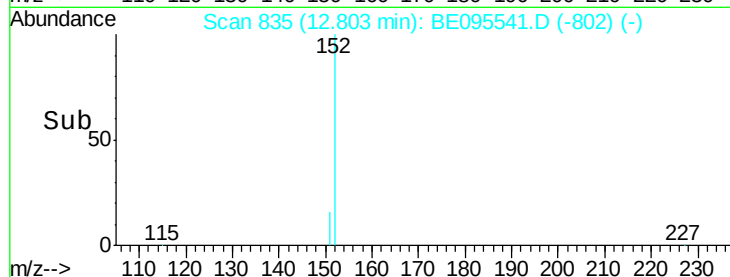
1000

500

0

Time-->

12.75 12.80 12.85 12.90



#12

2-Methylnaphthalene

Concen: 0.256 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

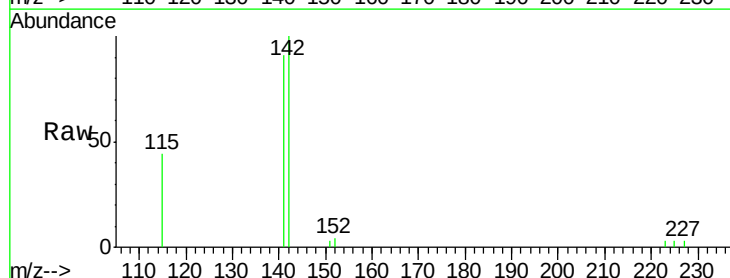
Tgt Ion:142 Resp: 2203

Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

115 44.1 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

12.88

1500

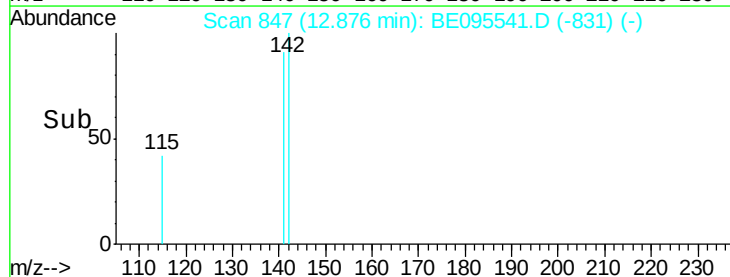
1000

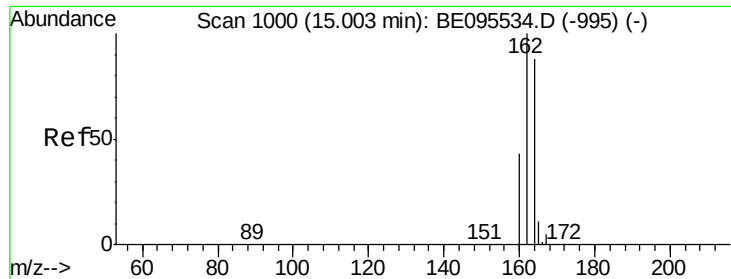
500

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

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

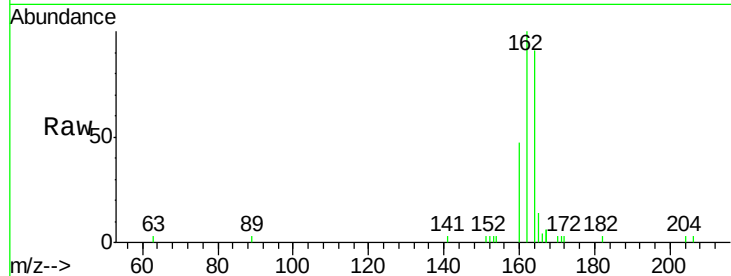
Tot Ion:164 Resp: 2238

Ion Ratio Lower Upper

164 100

162 109.9 83.1 124.7

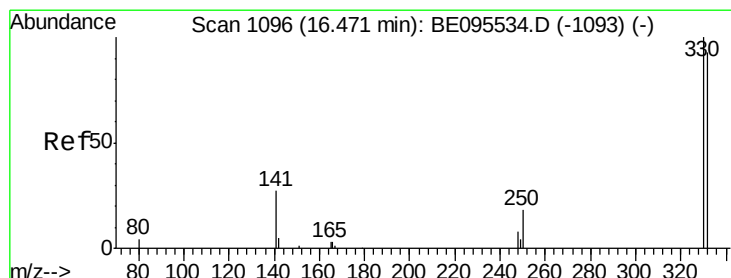
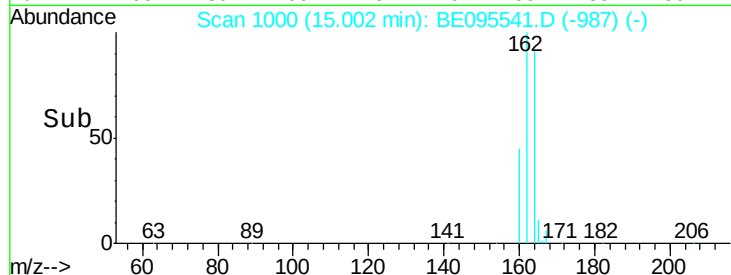
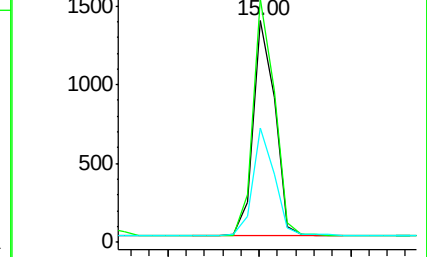
160 51.6 37.1 55.7



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: 0.191 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

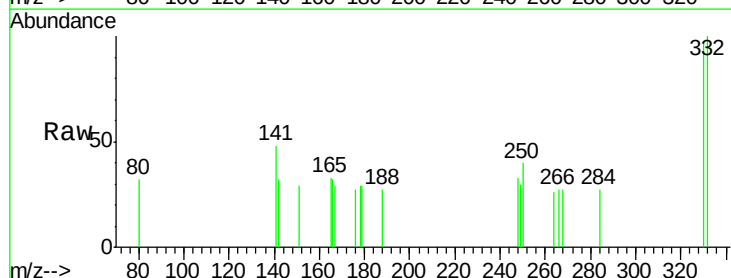
Tgt Ion:330 Resp: 195

Ion Ratio Lower Upper

330 100

332 105.1 152.7 229.1#

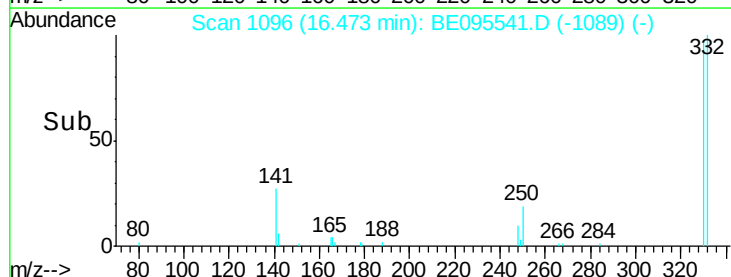
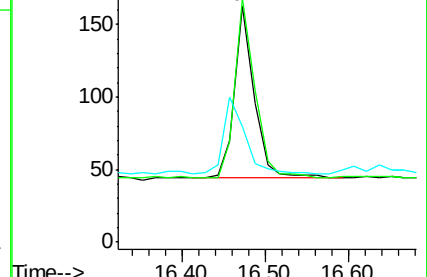
141 49.7 33.7 50.5

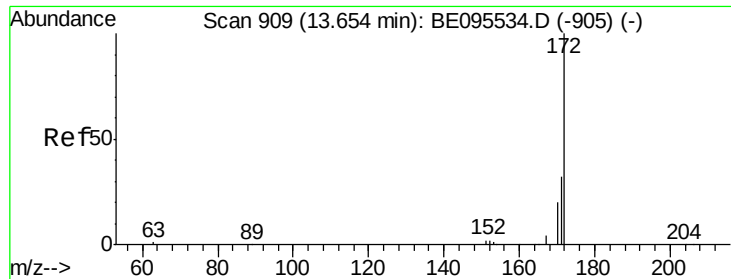


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

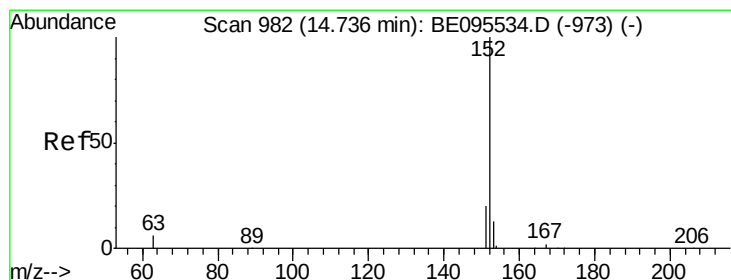
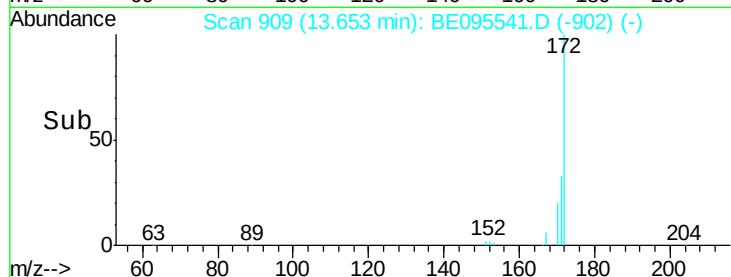
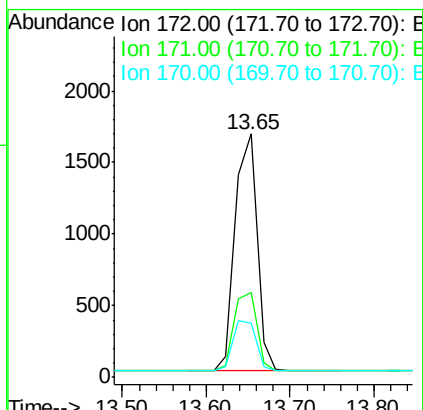
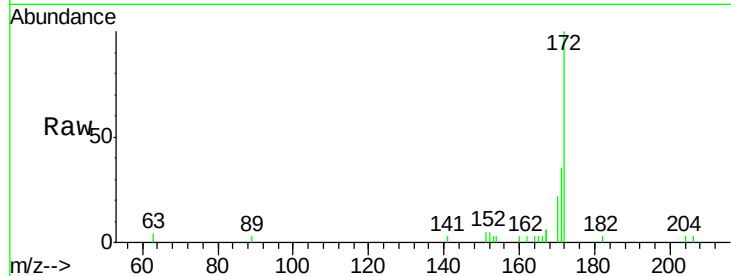




#15
2-Fluorobiphenyl
Concen: 0.310 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095541.D
Acq: 6 Feb 2018 22:14

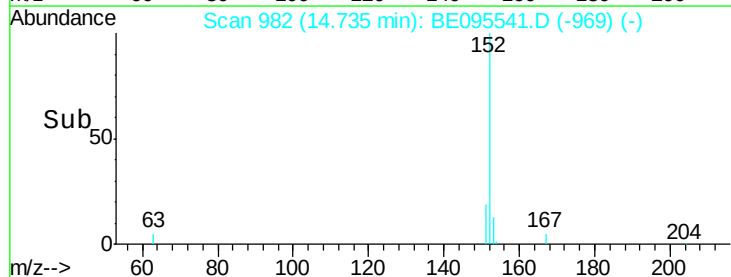
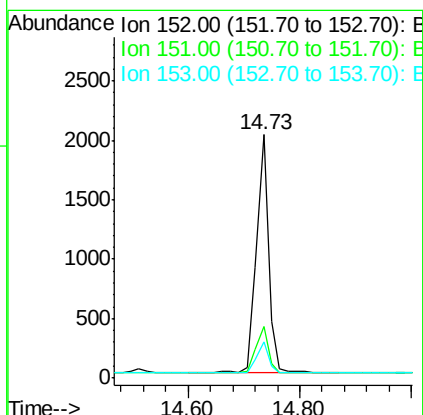
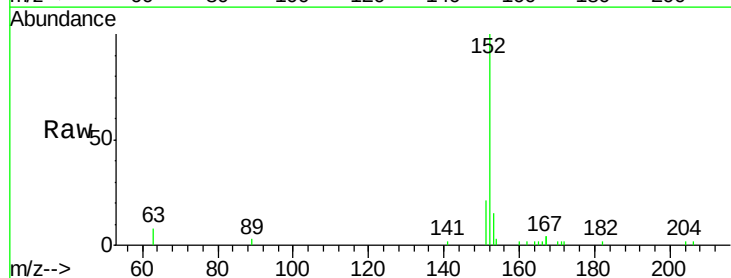
Instrument :
BNA_E
ClientSampleId :
PB106169BSD

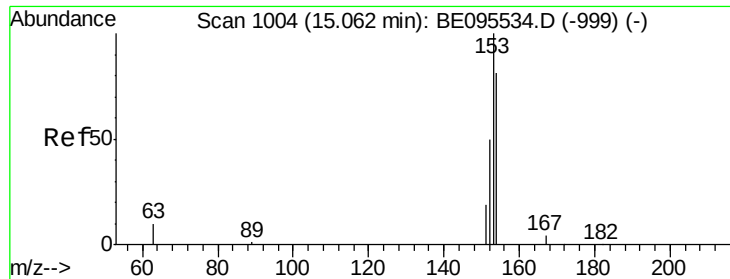
Tot Ion:172 Resp: 2991
Ion Ratio Lower Upper
172 100
171 34.9 29.9 44.9
170 22.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.242 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095541.D
Acq: 6 Feb 2018 22:14

Tgt Ion:152 Resp: 3094
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.248 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

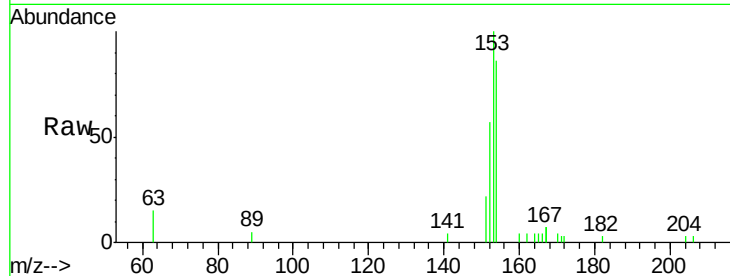
Tot Ion:154 Resp: 1971

Ion Ratio Lower Upper

154 100

153 112.7 89.2 133.8

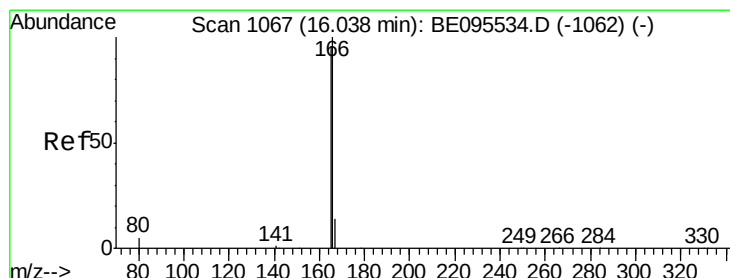
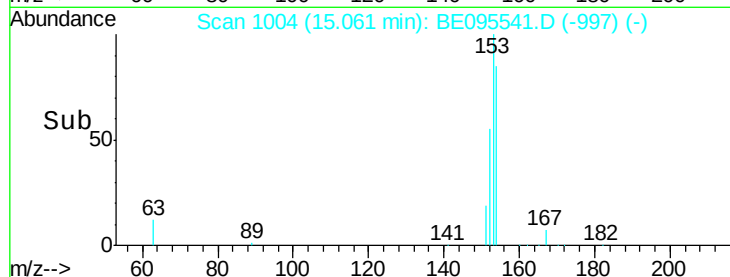
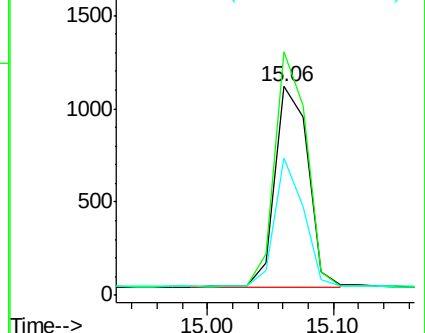
152 56.0 42.0 63.0



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: 0.249 ng

RT: 16.04 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

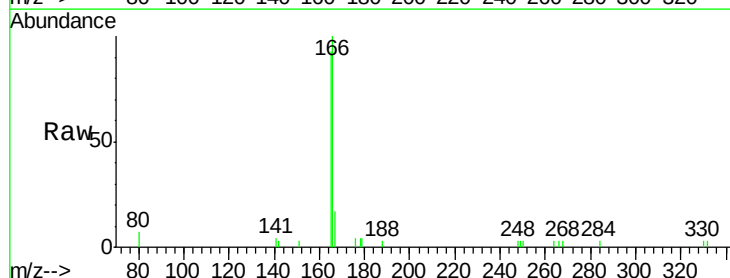
Tgt Ion:166 Resp: 2480

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

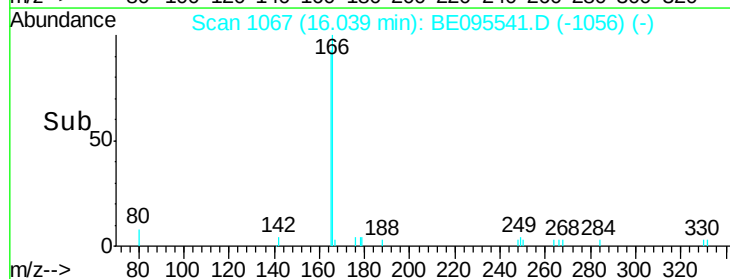
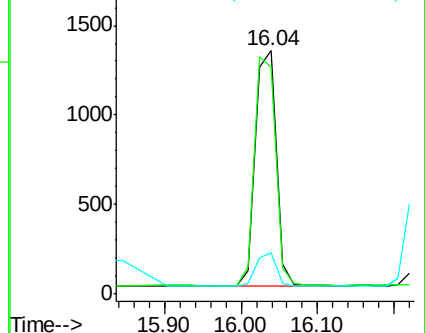
167 13.6 42.4 63.6#

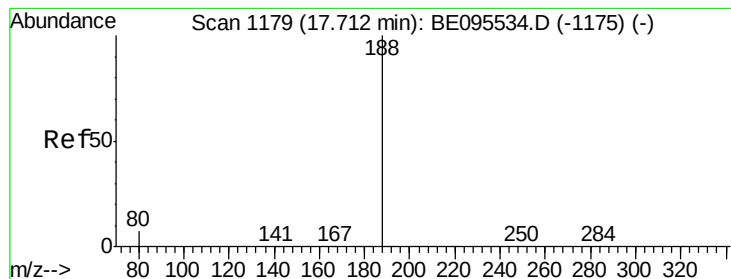


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

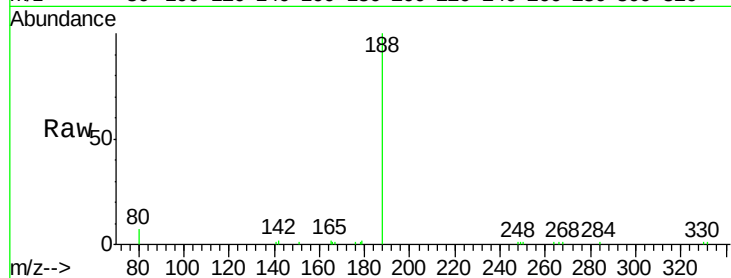
Tot Ion:188 Resp: 5298

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

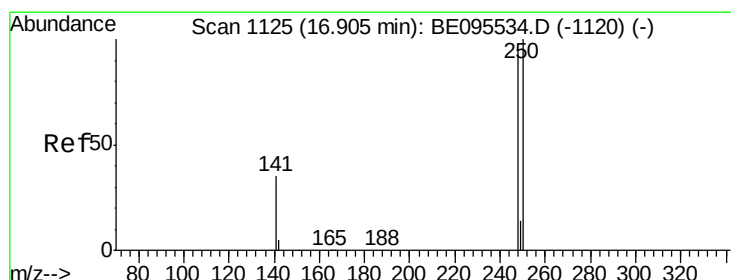
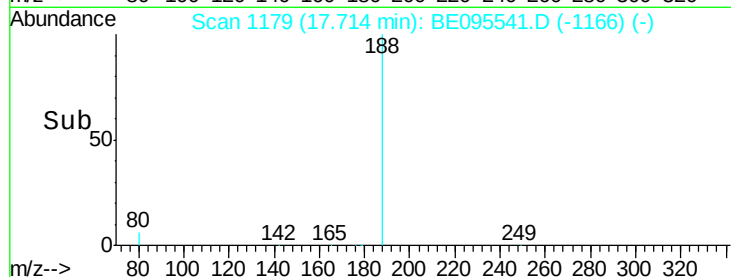
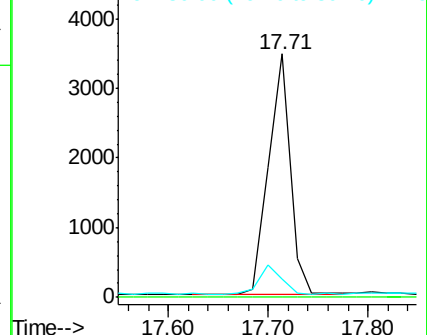
80 7.5 3.6 5.4#



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: 0.263 ng

RT: 16.91 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

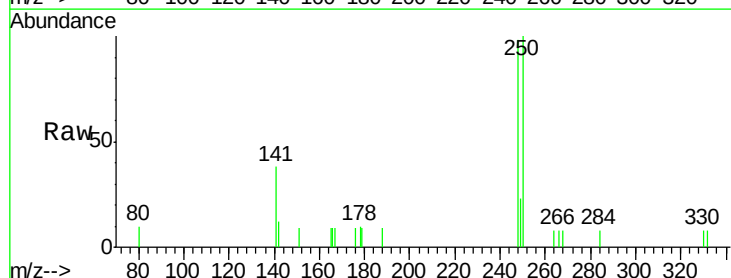
Tgt Ion:248 Resp: 836

Ion Ratio Lower Upper

248 100

250 102.1 62.7 94.1#

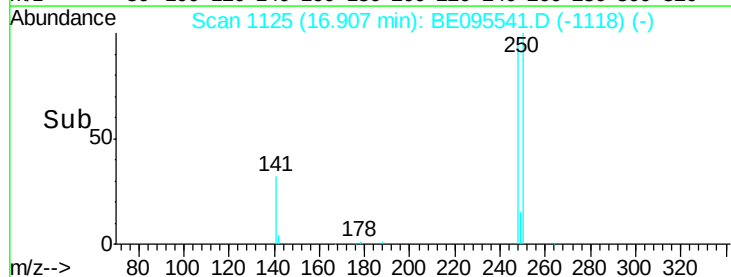
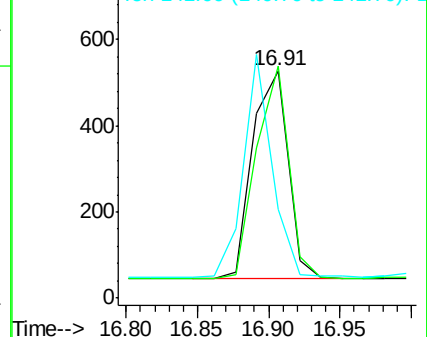
141 38.9 48.2 72.2#

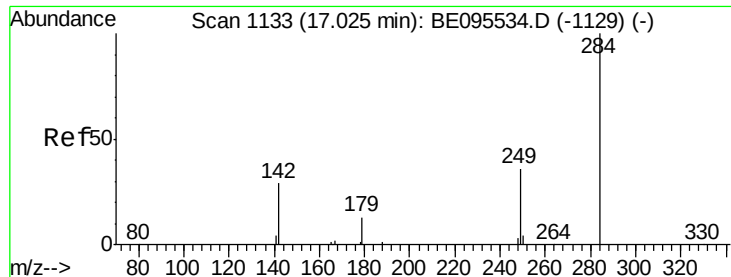


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

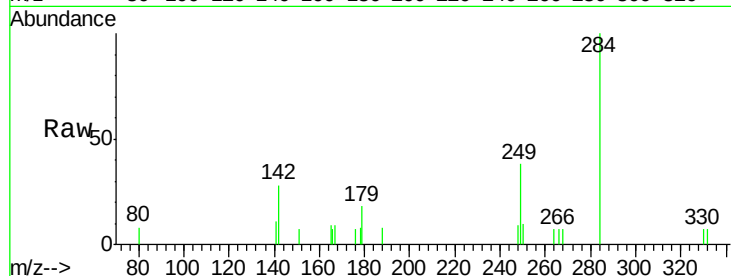




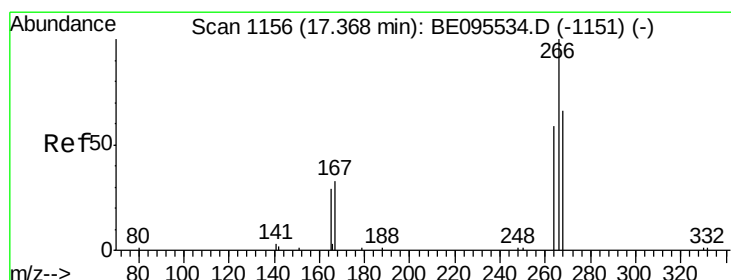
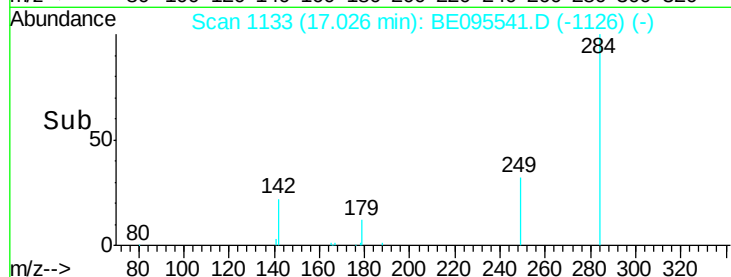
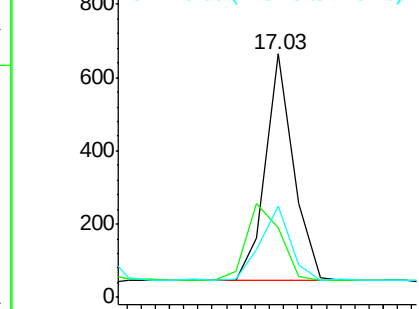
#21
Hexachlorobenzene
Concen: 0.262 ng
RT: 17.03 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BE095541.D
Acq: 6 Feb 2018 22:14

Instrument :
BNA_E
ClientSampleId :
PB106169BSD

Tot Ion:284 Resp: 860
Ion Ratio Lower Upper
284 100
142 40.7 22.1 33.1#
249 35.0 34.8 52.2

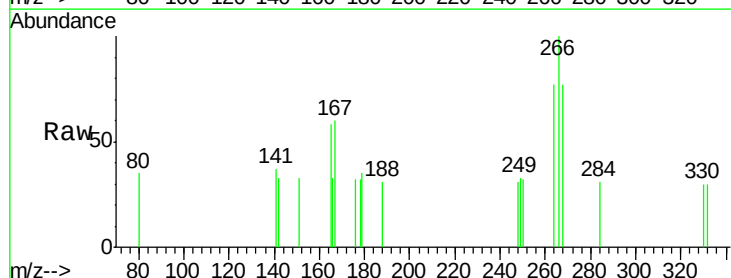


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

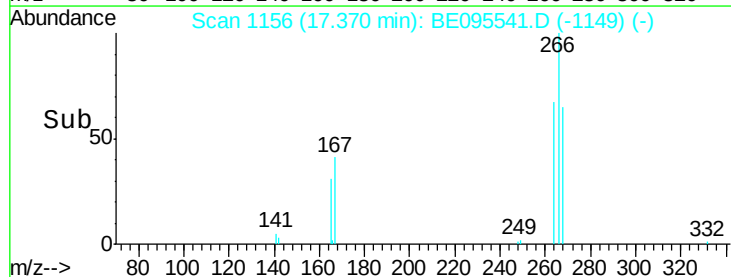
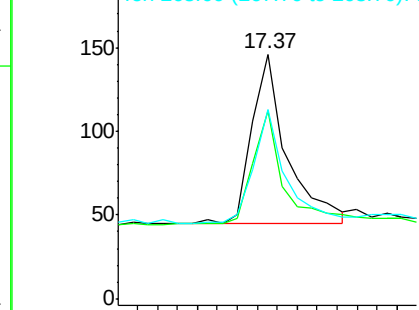


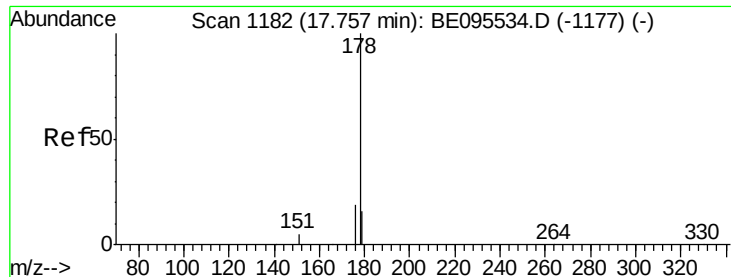
#22
Pentachlorophenol
Concen: 0.344 ng
RT: 17.37 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE095541.D
Acq: 6 Feb 2018 22:14

Tgt Ion:266 Resp: 247
Ion Ratio Lower Upper
266 100
264 76.7 72.5 108.7
268 77.4 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: 0.260 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

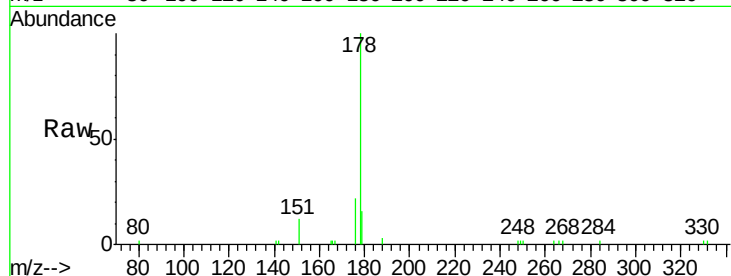
Tot Ion:178 Resp: 4222

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

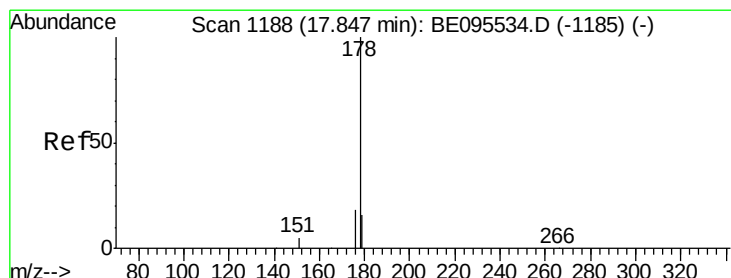
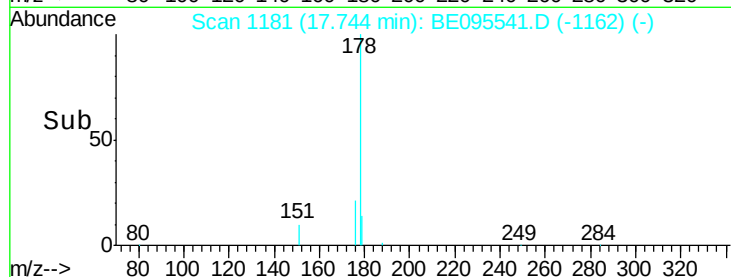
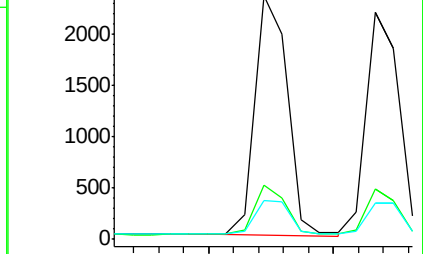
179 14.9 11.8 17.6



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: 0.258 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

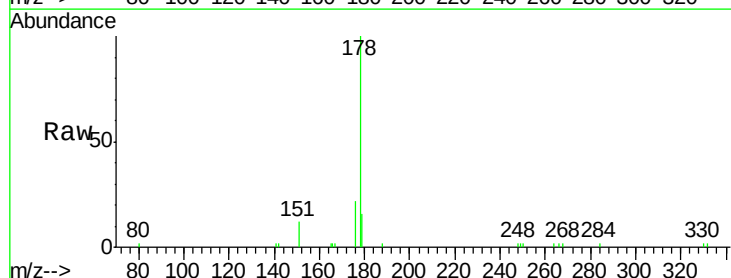
Tgt Ion:178 Resp: 3916

Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

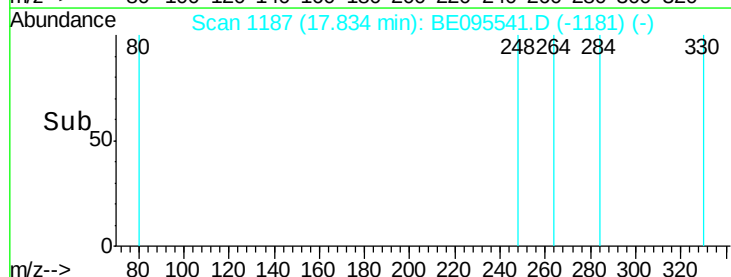
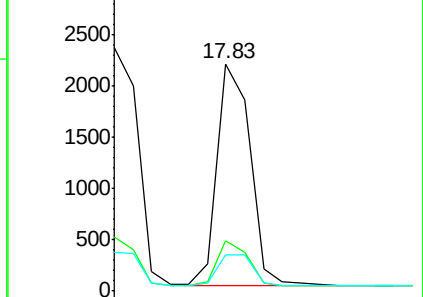
179 15.6 13.0 19.6

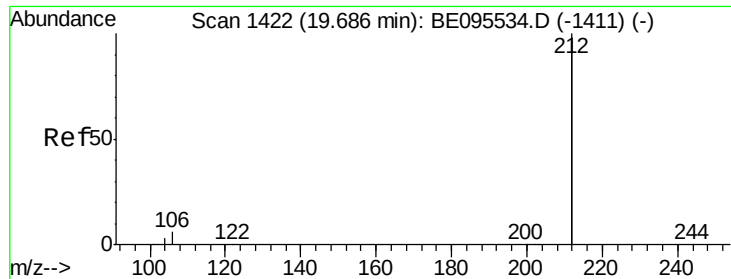


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.268 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

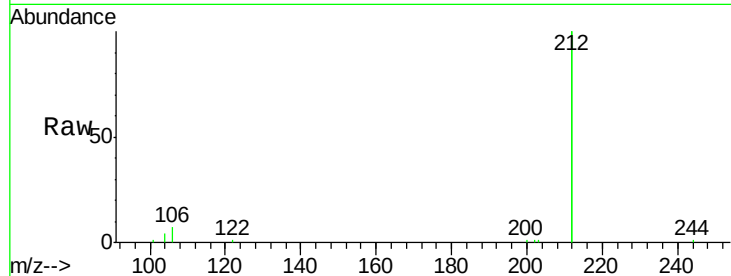
Tot Ion:212 Resp: 18732

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

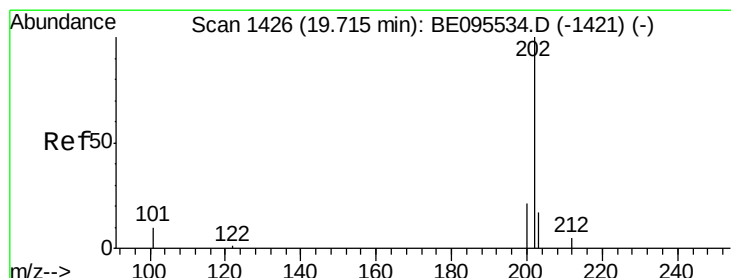
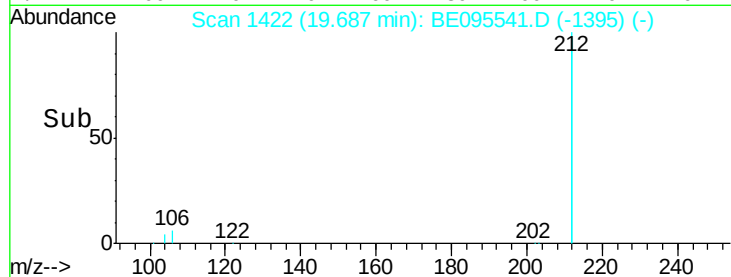
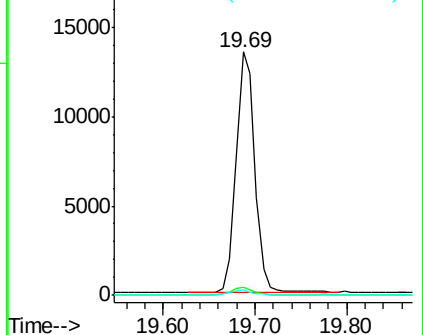
104 1.8 1.6 2.4



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: 0.265 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

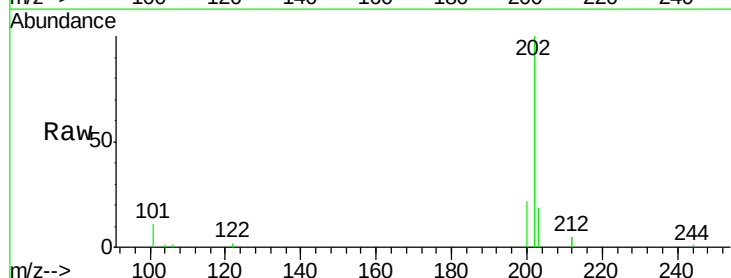
Tgt Ion:202 Resp: 5442

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

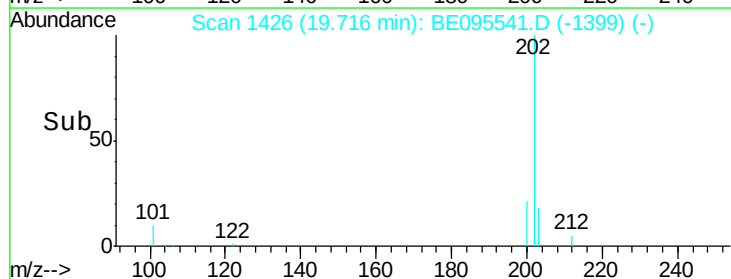
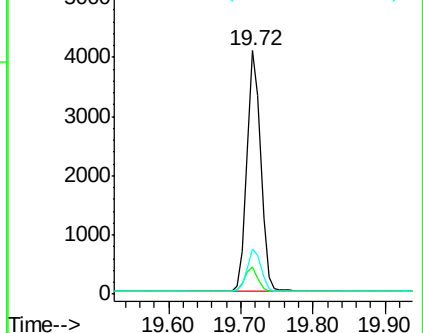
203 17.2 13.7 20.5

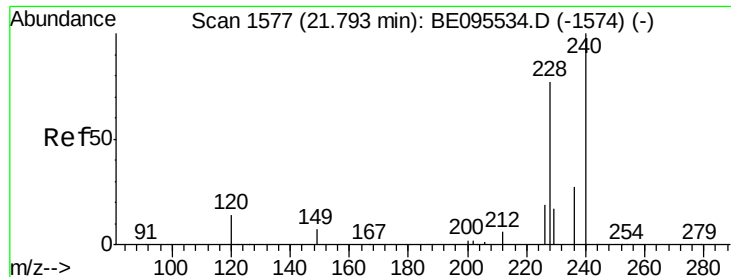


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

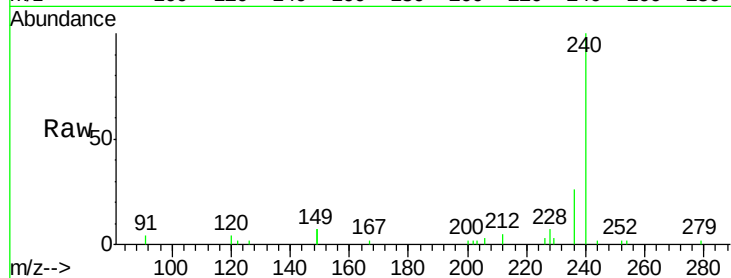
Tot Ion:240 Resp: 5671

Ion Ratio Lower Upper

240 100

120 4.3 5.5 8.3#

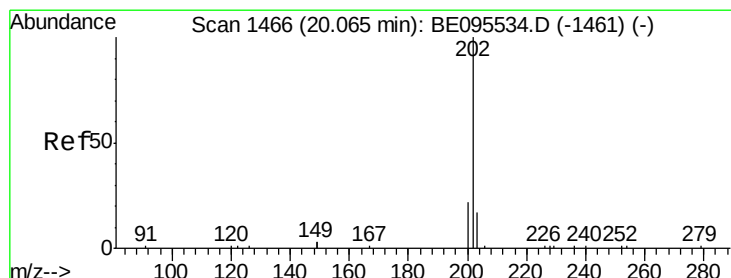
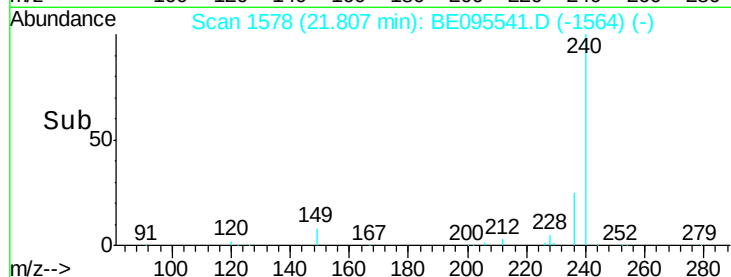
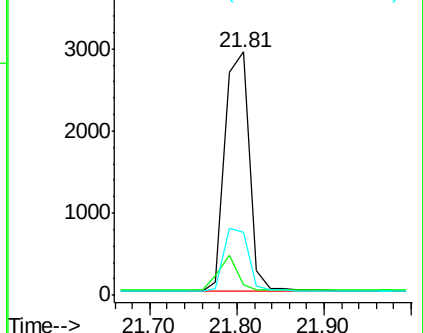
236 26.1 20.7 31.1



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: 0.267 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

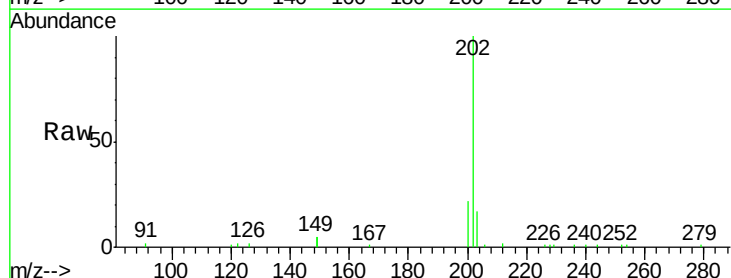
Tgt Ion:202 Resp: 6367

Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

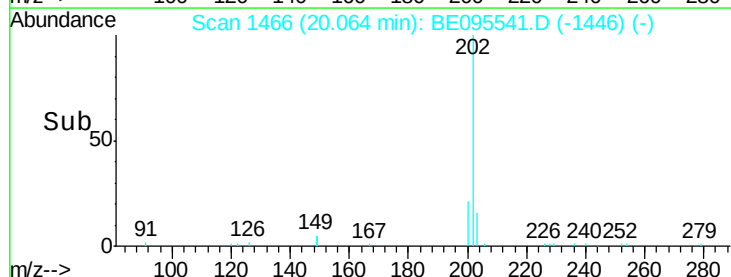
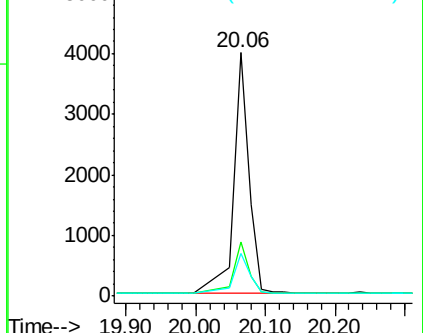
203 18.5 13.8 20.8

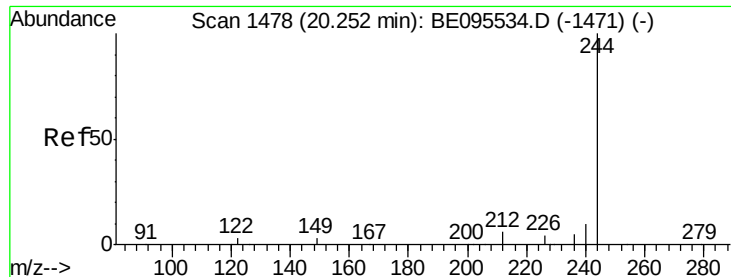


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.321 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

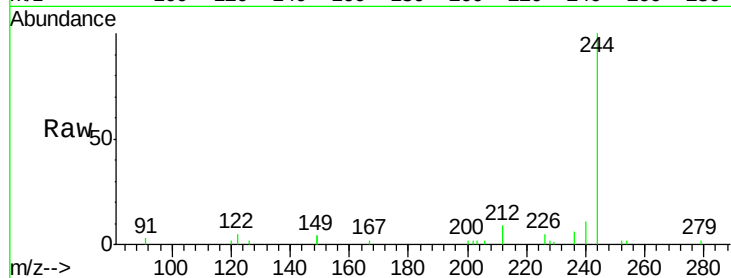
Tot Ion:244 Resp: 3877

Ion Ratio Lower Upper

244 100

212 9.0 25.4 38.0#

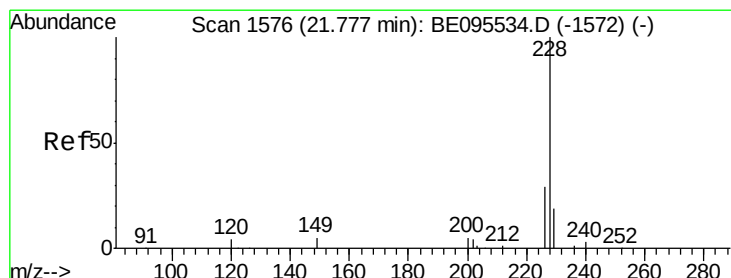
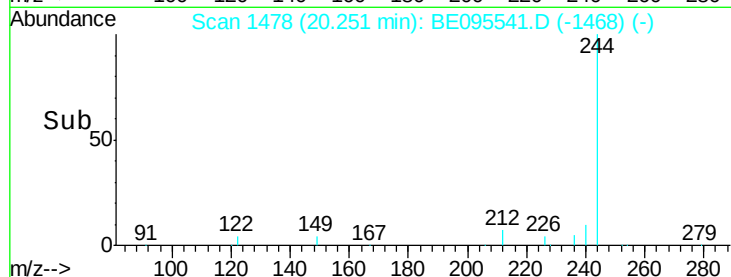
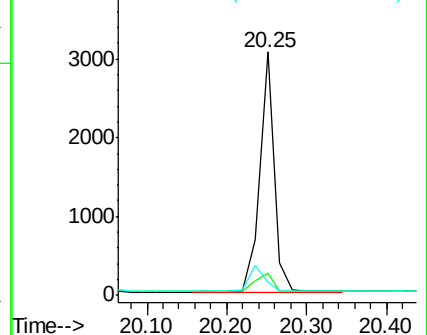
122 5.3 8.1 12.1#



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: 0.260 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

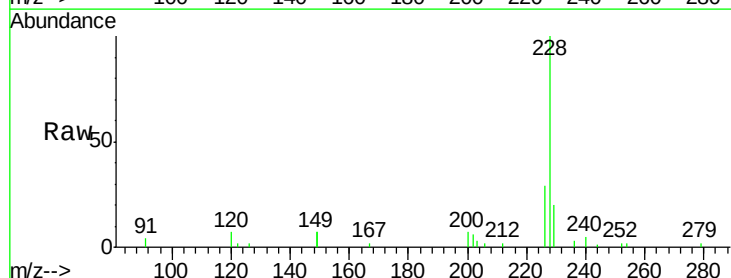
Tgt Ion:228 Resp: 4919

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

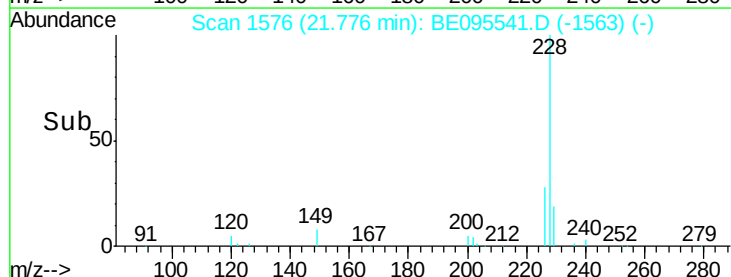
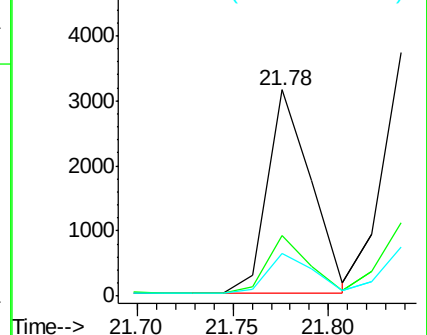
229 20.5 16.0 24.0

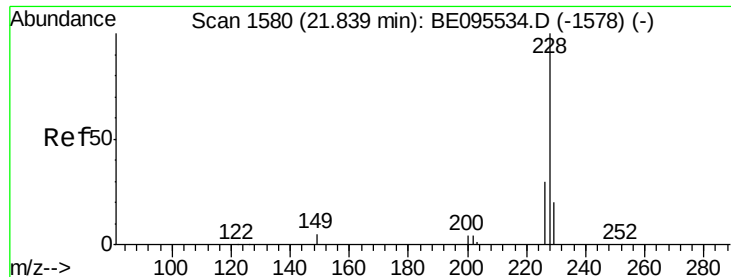


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.277 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

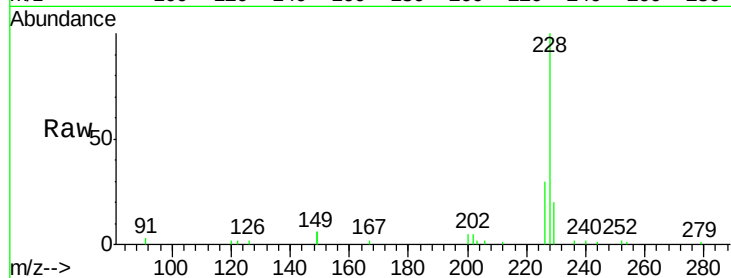
Tot Ion:228 Resp: 5159

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

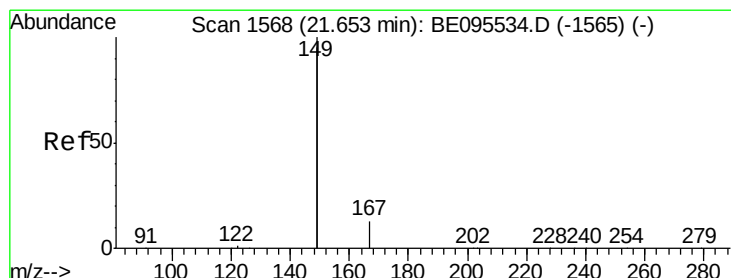
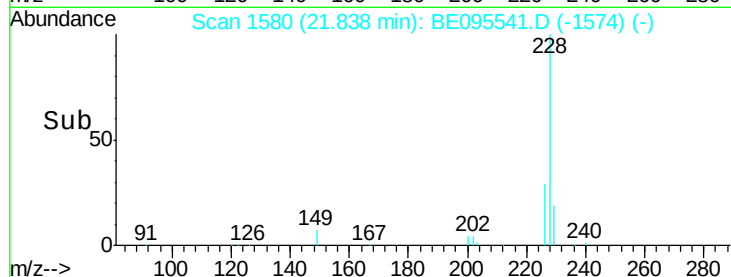
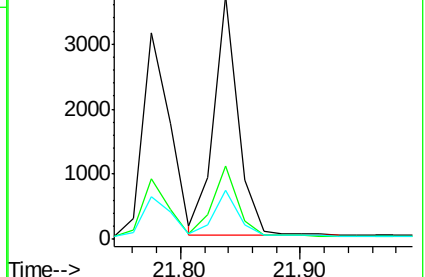
229 20.1 16.0 24.0



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: 0.200 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

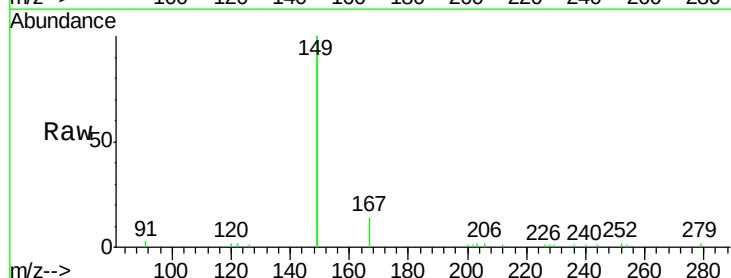
Tgt Ion:149 Resp: 8701

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

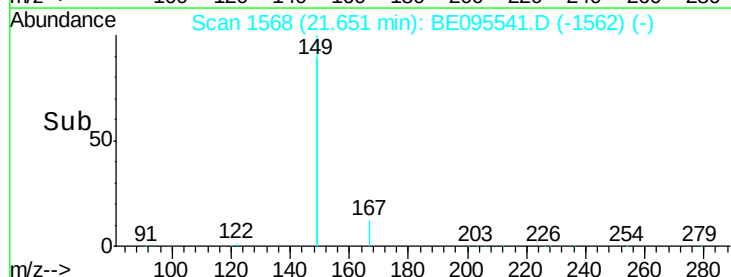
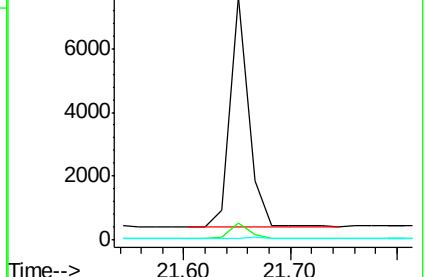
279 0.9 0.7 1.1

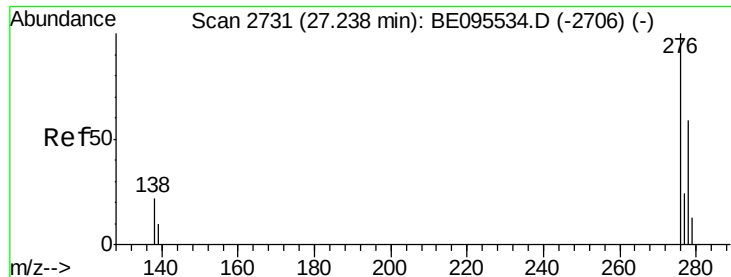


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

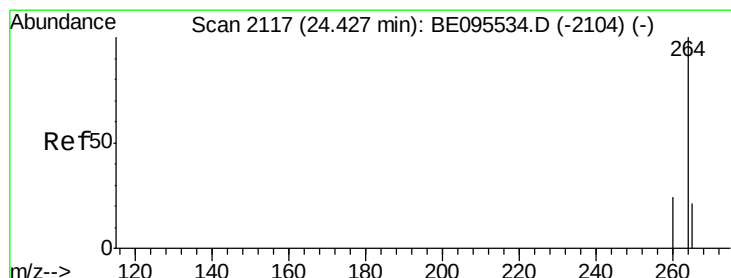
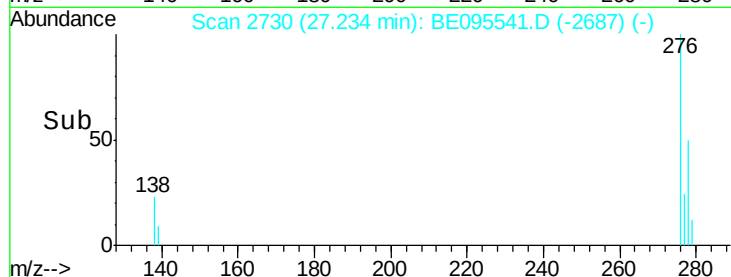
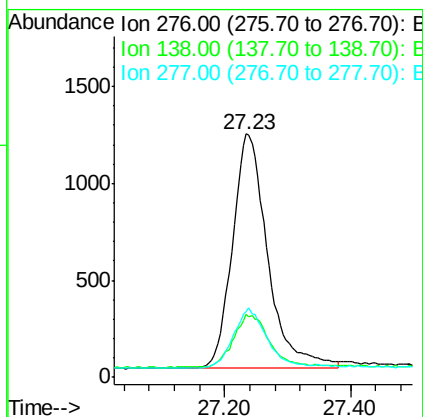
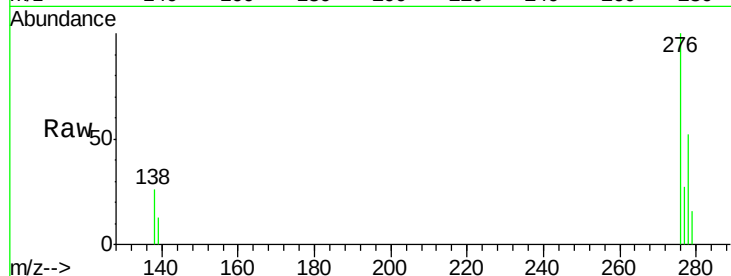




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.261 ng
 RT: 27.23 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: BE095541.D
 Acq: 6 Feb 2018 22:14

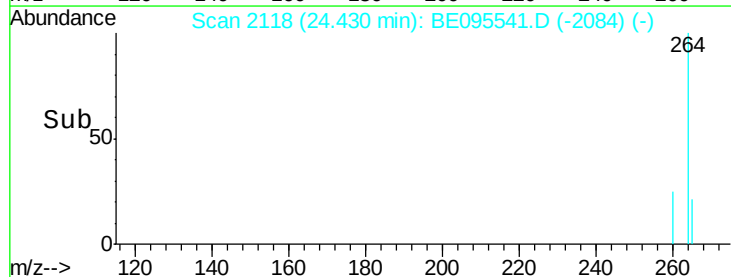
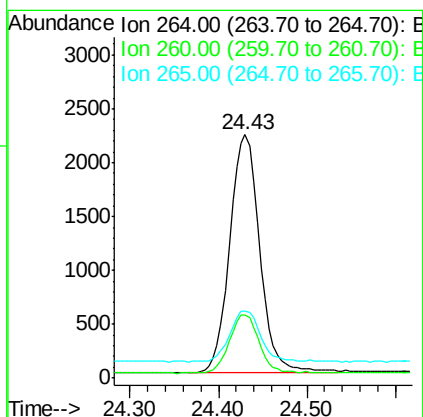
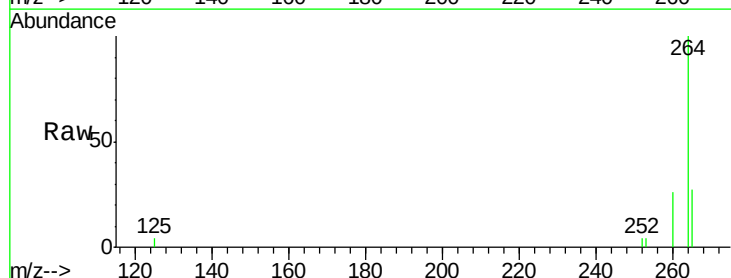
Instrument :
 BNA_E
 ClientSampleId :
 PB106169BSD

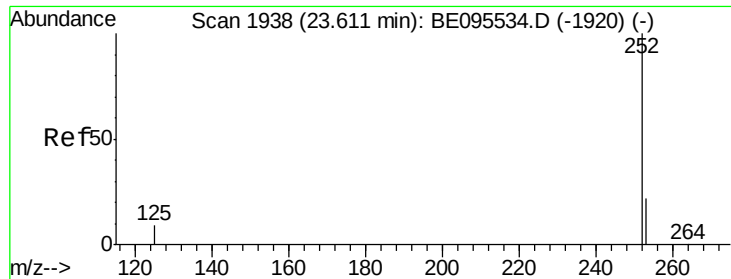
Tot Ion:276 Resp: 4699
 Ion Ratio Lower Upper
 276 100
 138 22.5 22.5 33.7#
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BE095541.D
 Acq: 6 Feb 2018 22:14

Tgt Ion:264 Resp: 5232
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.5 30.7
 265 27.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.266 ng

RT: 23.61 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

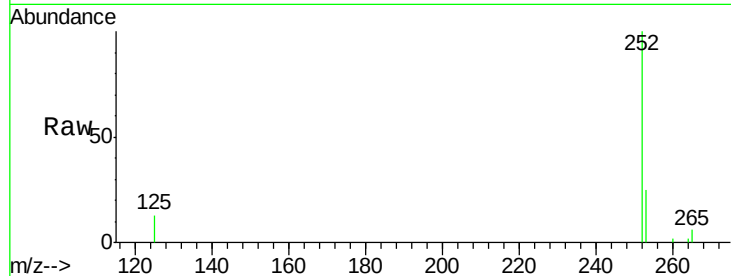
Tot Ion:252 Resp: 4749

Ion Ratio Lower Upper

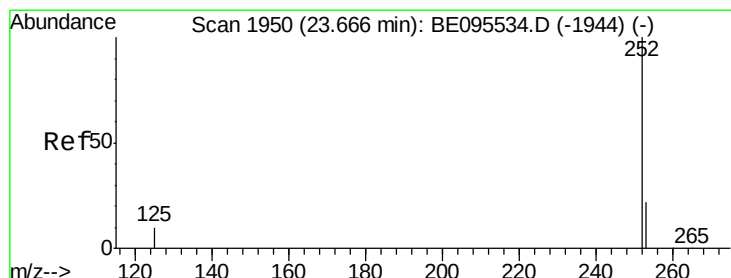
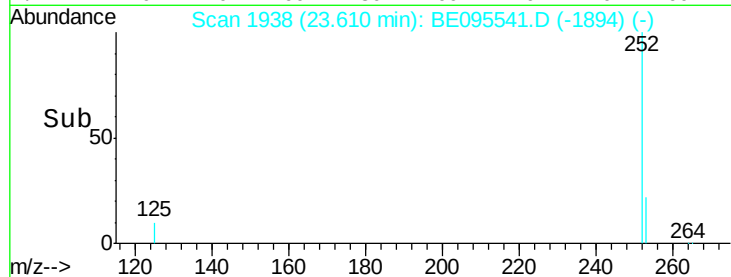
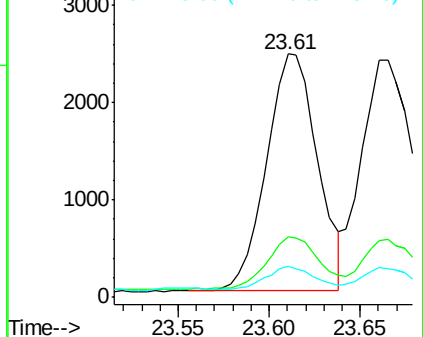
252 100

253 24.8 20.0 30.0

125 12.6 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.264 ng

RT: 23.67 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

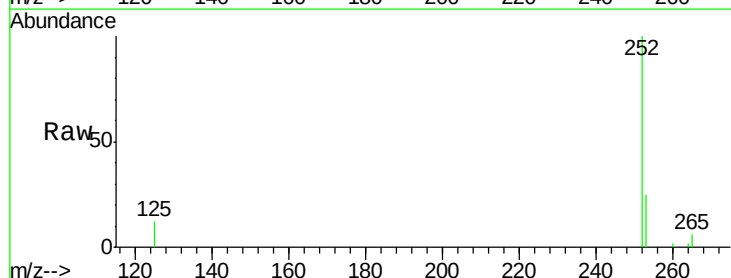
Tgt Ion:252 Resp: 4842

Ion Ratio Lower Upper

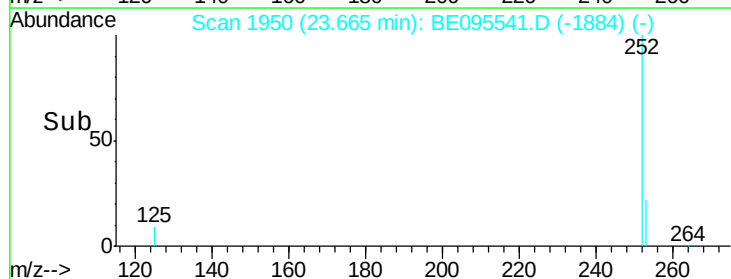
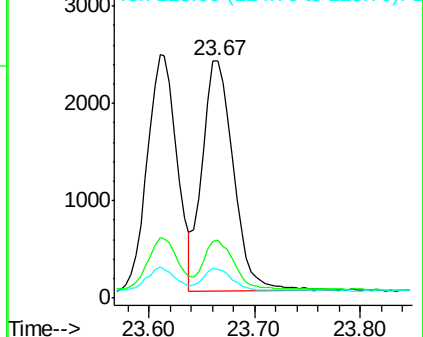
252 100

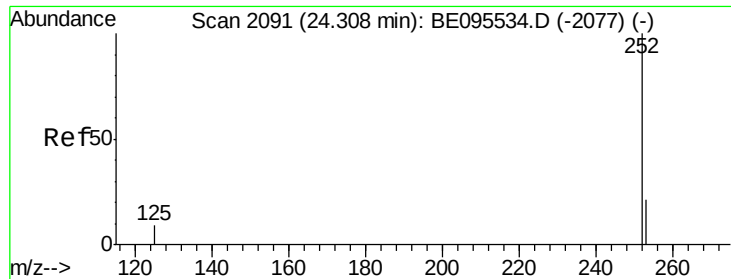
253 24.5 16.0 24.0#

125 12.2 8.0 12.0#



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





#37

Benzo(a)pyrene

Concen: 0.265 ng

RT: 24.31 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

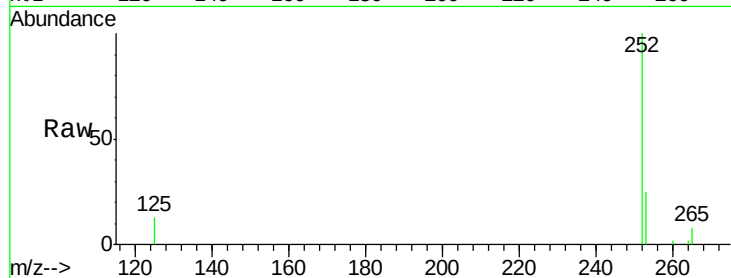
Tot Ion:252 Resp: 4401

Ion Ratio Lower Upper

252 100

253 24.5 16.0 24.0#

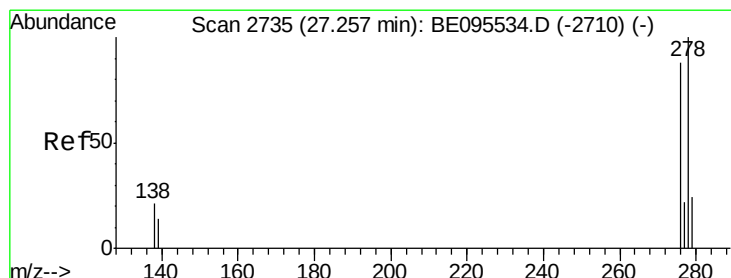
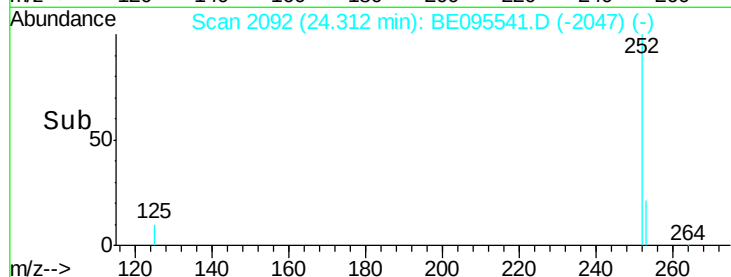
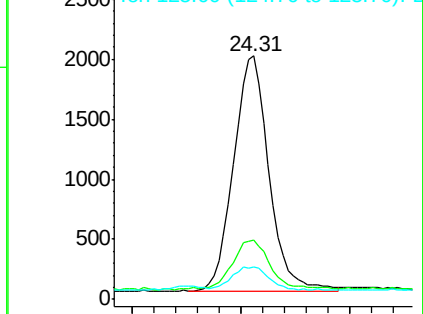
125 13.4 12.0 18.0



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: 0.254 ng

RT: 27.25 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

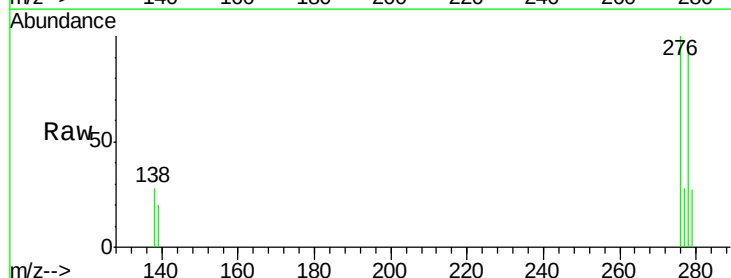
Tgt Ion:278 Resp: 3696

Ion Ratio Lower Upper

278 100

139 20.6 16.0 24.0

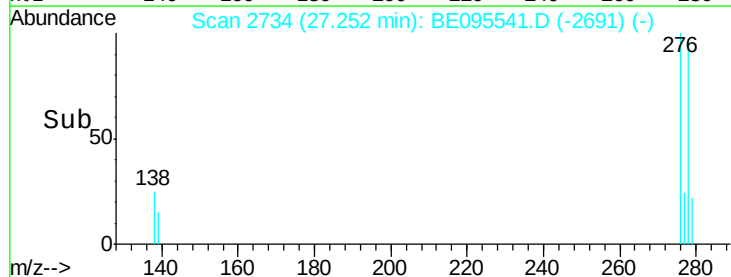
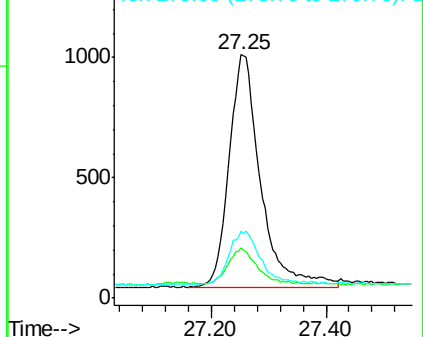
279 27.7 20.0 30.0

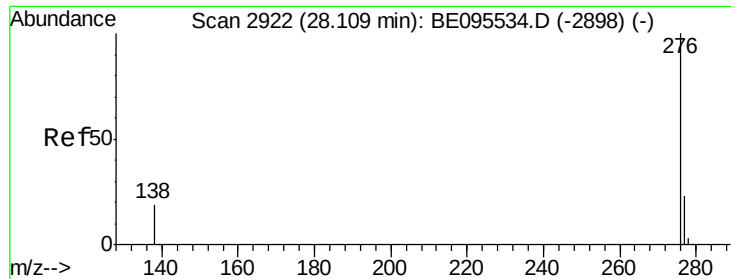


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.264 ng

RT: 28.10 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BE095541.D

Acq: 6 Feb 2018 22:14

Instrument :

BNA_E

ClientSampleId :

PB106169BSD

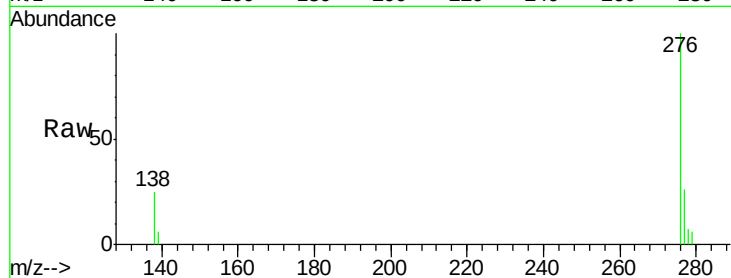
Tot Ion:276 Resp: 4113

Ion Ratio Lower Upper

276 100

277 26.0 16.0 24.0#

138 24.8 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

