

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095836.D
 Acq On : 26 Mar 2018 12:39
 Operator : SJ/JU
 Sample : PB107595BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107595BS

Quant Time: Mar 27 05:39:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1489	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	5400	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2792	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6175	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6616	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6671	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1848	0.38	ng	0.00
5) Phenol-d6	7.56	99	2492	0.37	ng	0.00
8) Nitrobenzene-d5	9.59	82	2716	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3083	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	487	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	5709	0.49	ng	-0.01
25) Fluoranthene-d10	19.68	212	29809	0.33	ng	0.00
29) Terphenyl-d14	20.24	244	6958	0.50	ng	0.00

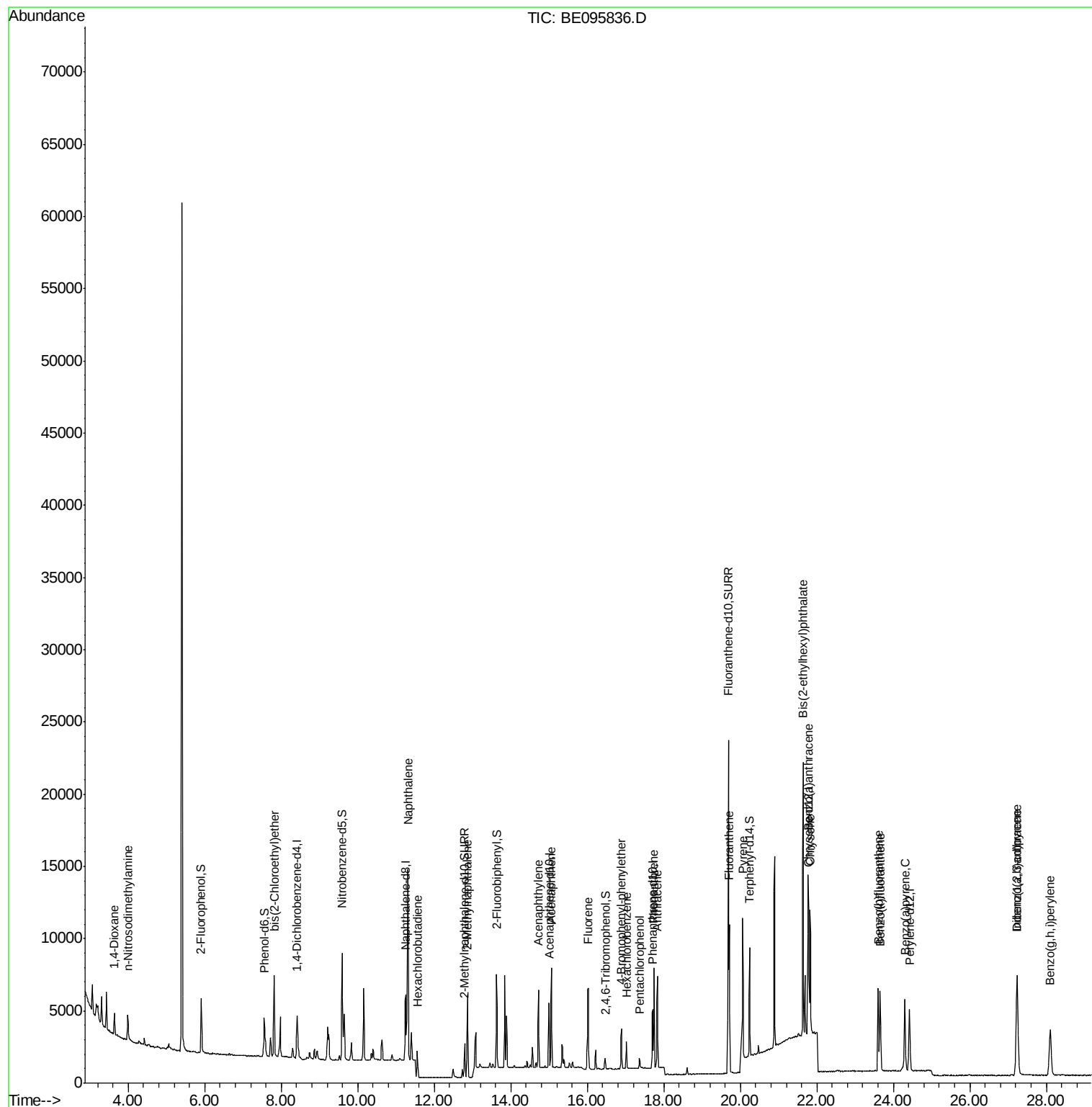
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.64	88	771	0.316	ng	# 65
3) n-Nitrosodimethylamine	3.99	42	1223	0.342	ng	84
6) bis(2-Chloroethyl)ether	7.81	93	2103	0.361	ng	90
9) Naphthalene	11.31	128	23126	0.375	ng	100
10) Hexachlorobutadiene	11.56	225	1491	0.352	ng	96
12) 2-Methylnaphthalene	12.87	142	3864	0.367	ng	96
16) Acenaphthylene	14.73	152	5678	0.356	ng	99
17) Acenaphthene	15.06	154	3322	0.341	ng	92
18) Fluorene	16.03	166	4335	0.338	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1397	0.376	ng	# 86
21) Hexachlorobenzene	17.02	284	1406	0.379	ng	# 81
22) Pentachlorophenol	17.36	266	409	0.423	ng	# 73
23) Phenanthrene	17.74	178	6908	0.374	ng	98
24) Anthracene	17.84	178	6896	0.373	ng	96
26) Fluoranthene	19.71	202	8917	0.347	ng	# 97
28) Pyrene	20.06	202	9785	0.363	ng	# 91
30) Benzo(a)anthracene	21.78	228	8727	0.380	ng	96
31) Chrysene	21.83	228	8186	0.391	ng	97
32) Bis(2-ethylhexyl)phthalate	21.65	149	22333	0.318	ng	100
33) Indeno(1,2,3-cd)pyrene	27.22	276	9640	0.427	ng	94
35) Benzo(b)fluoranthene	23.60	252	8404	0.381	ng	# 93
36) Benzo(k)fluoranthene	23.66	252	8227	0.373	ng	# 89
37) Benzo(a)pyrene	24.30	252	8213	0.397	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	7929	0.403	ng	96
39) Benzo(g,h,i)perylene	28.10	276	8168	0.414	ng	# 93

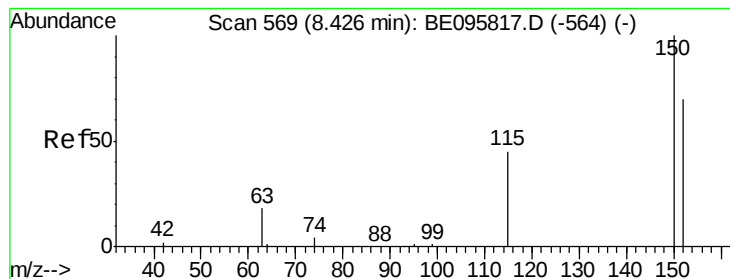
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.42 min Scan# 568

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

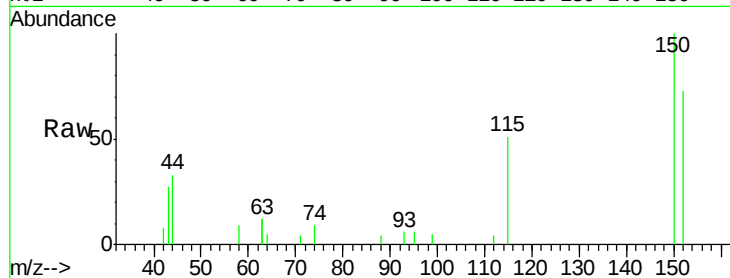
Tot Ion:152 Resp: 1489

Ion Ratio Lower Upper

152 100

150 136.1 117.2 175.8

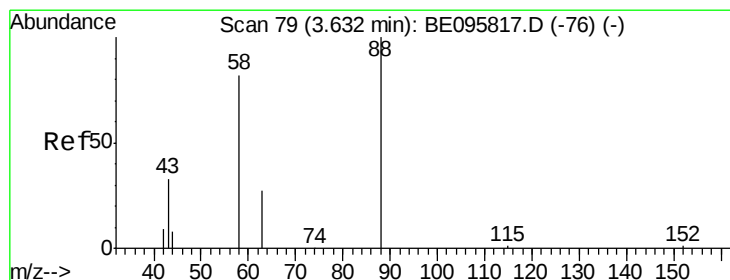
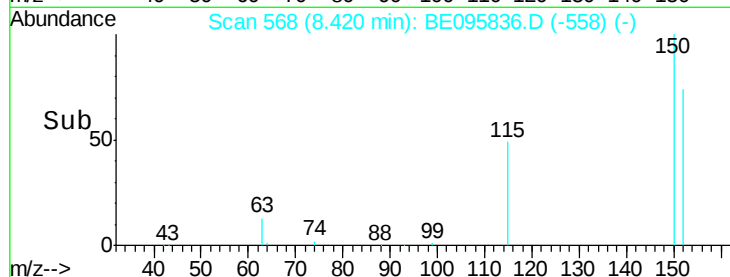
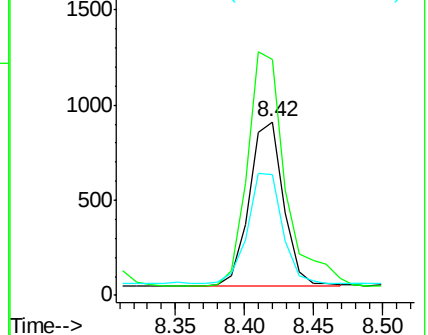
115 69.5 57.0 85.6



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: 0.316 ng

RT: 3.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

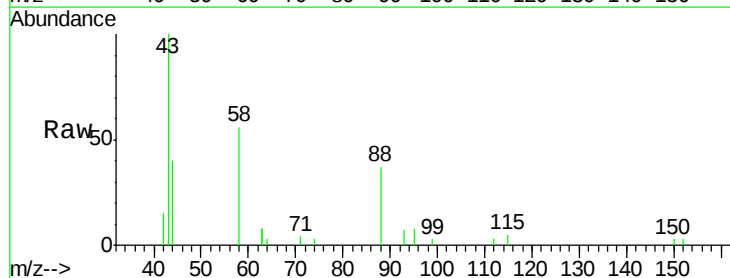
Tgt Ion: 88 Resp: 771

Ion Ratio Lower Upper

88 100

58 112.1 63.2 94.8#

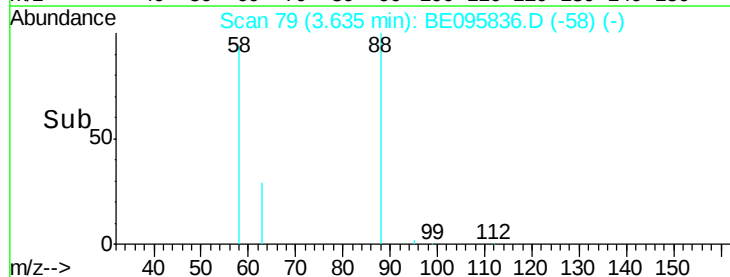
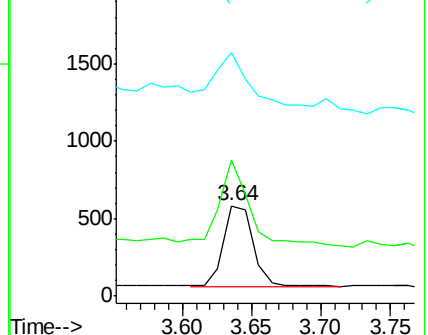
43 72.9 41.2 61.8#



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



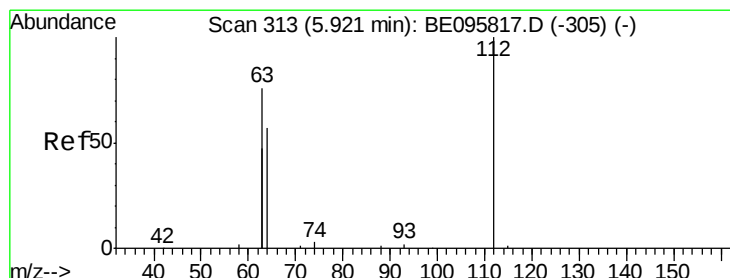
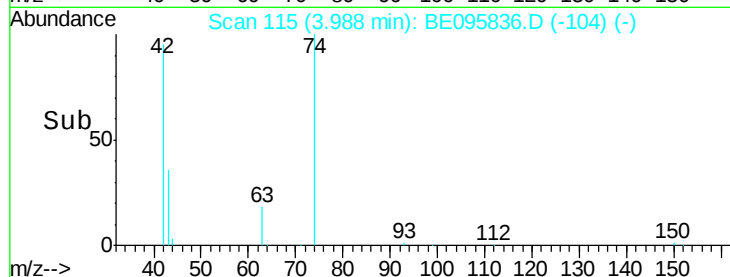
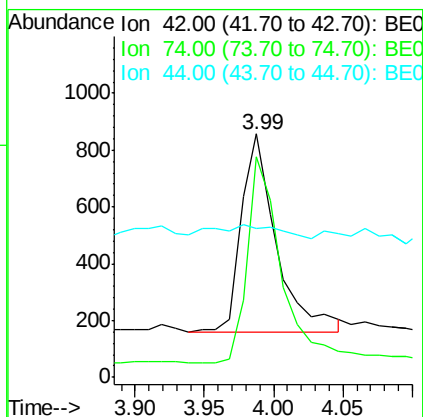
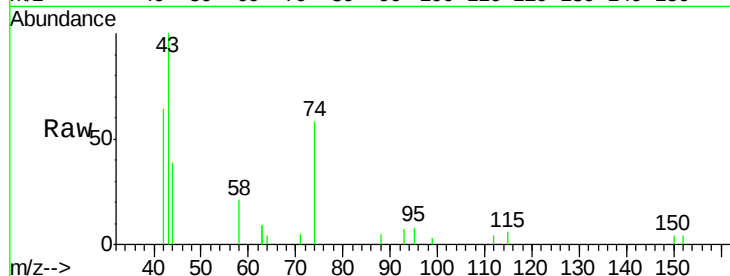


#3

n-Nitrosodimethylamine
 Concen: 0.342 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095836.D
 Acq: 26 Mar 2018 12:39

Instrument :
 BNA_E
 ClientSampleId :
 PB107595BS

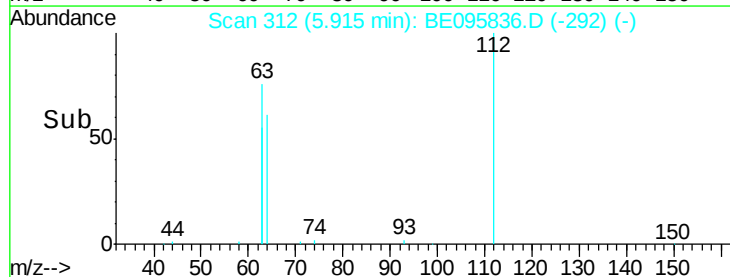
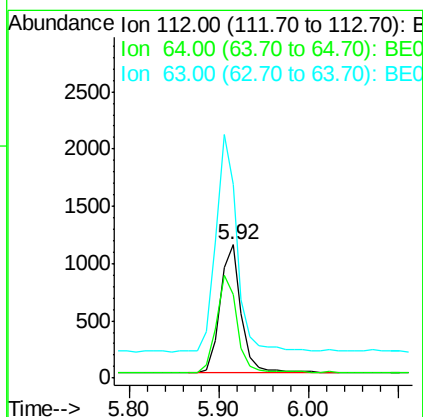
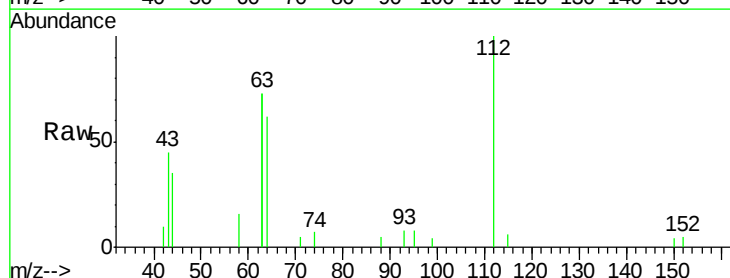
Tot Ion: 42 Resp: 1223
 Ion Ratio Lower Upper
 42 100
 74 101.1 96.0 144.0
 44 12.5 12.0 18.0

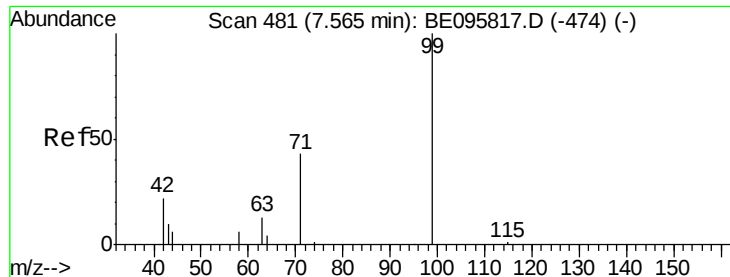


#4

2-Fluorophenol
 Concen: 0.376 ng
 RT: 5.92 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095836.D
 Acq: 26 Mar 2018 12:39

Tgt Ion: 112 Resp: 1848
 Ion Ratio Lower Upper
 112 100
 64 75.5 60.1 90.1
 63 169.7 116.8 175.2





#5

Phenol-d6

Concen: 0.369 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

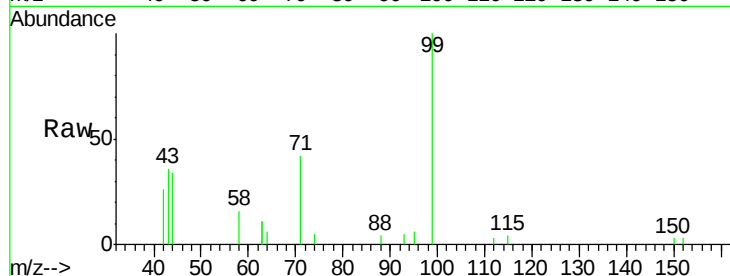
Tot Ion: 99 Resp: 2492

Ion Ratio Lower Upper

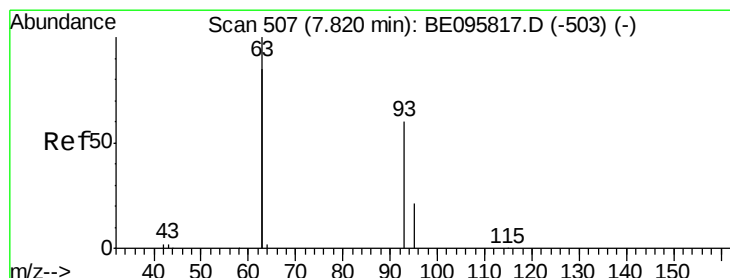
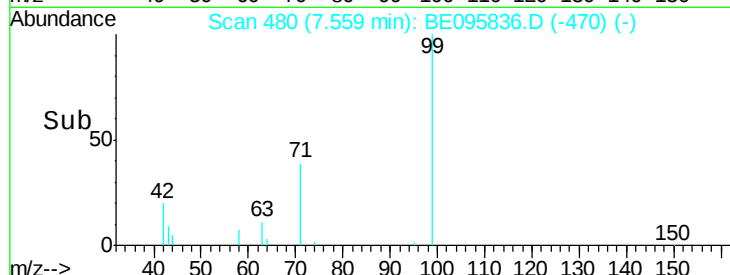
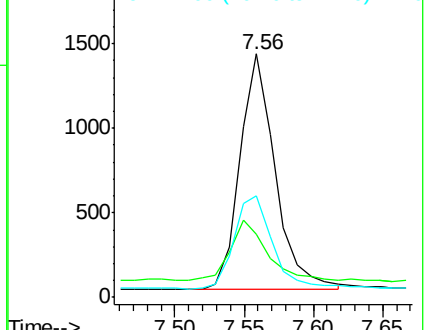
99 100

42 26.7 20.2 30.2

71 42.5 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



#6

bis(2-Chloroethyl)ether

Concen: 0.361 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

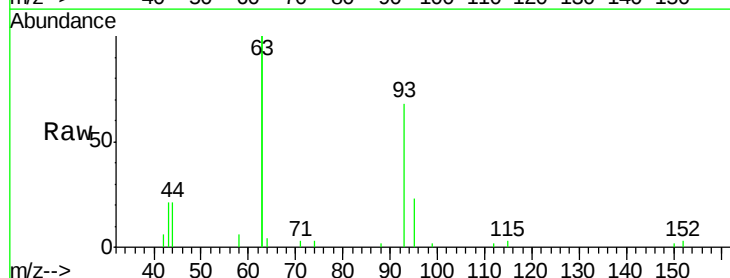
Tgt Ion: 93 Resp: 2103

Ion Ratio Lower Upper

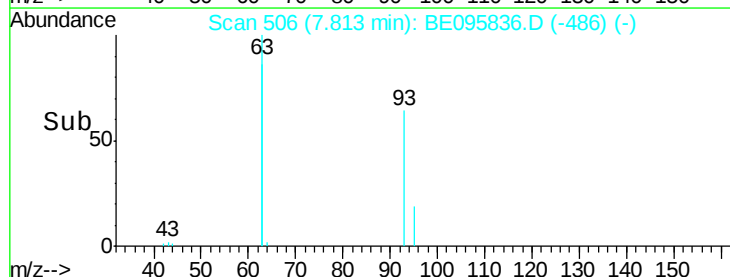
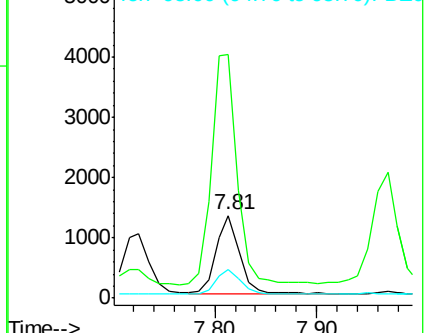
93 100

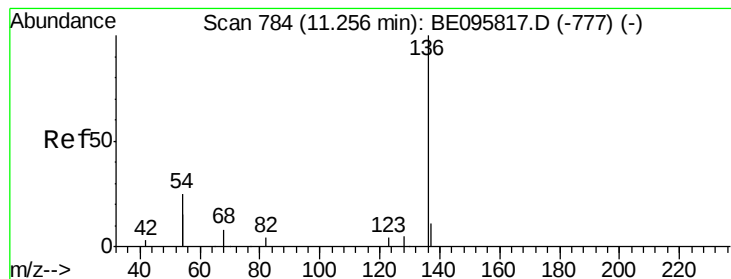
63 319.9 275.3 412.9

95 31.4 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

Tot Ion:136 Resp: 5400

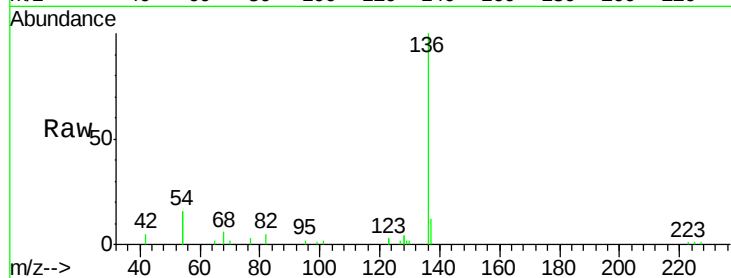
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 31.6 29.1 43.7

68 6.5 6.2 9.2

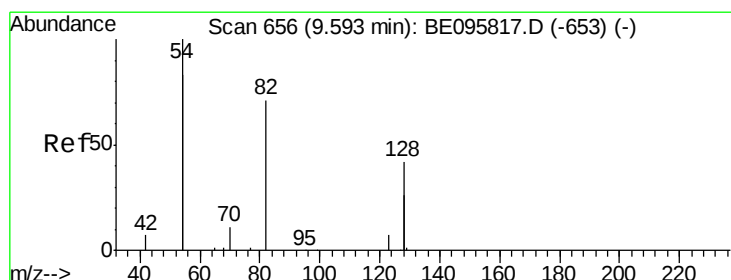
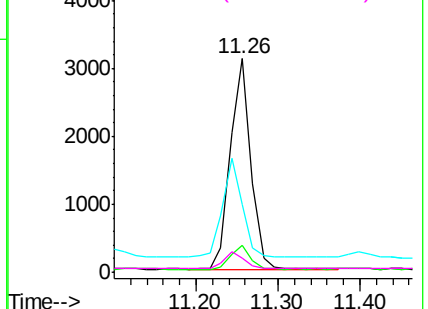
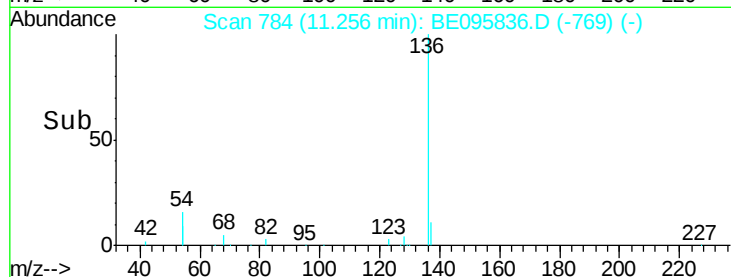


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.426 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

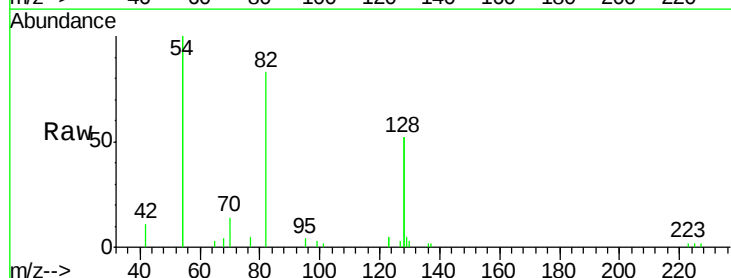
Tgt Ion: 82 Resp: 2716

Ion Ratio Lower Upper

82 100

128 125.5 150.0 225.0#

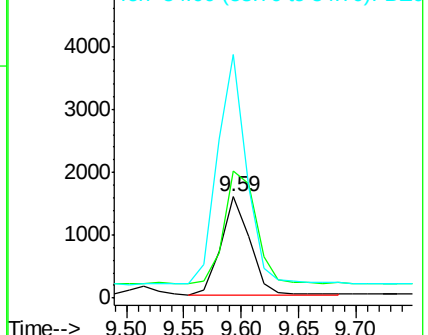
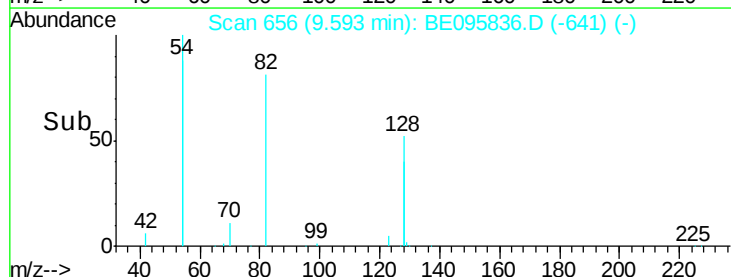
54 239.9 154.2 231.4#



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: 0.375 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

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ClientSampleId :

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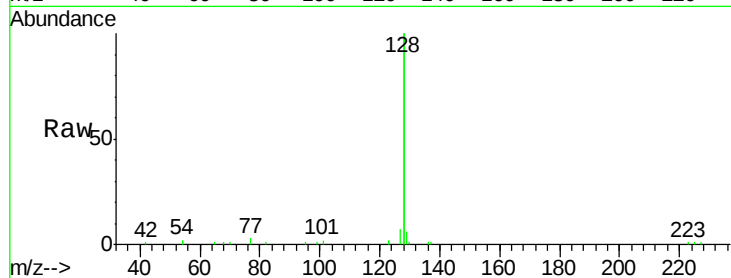
Tot Ion:128 Resp: 23126

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

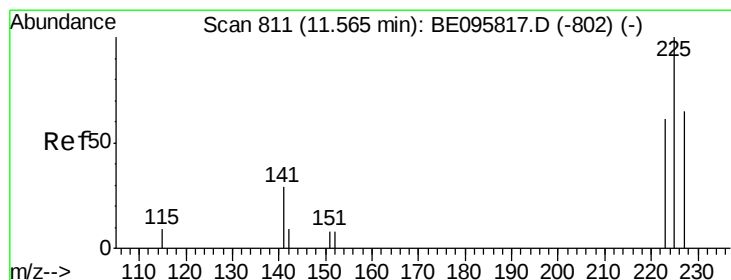
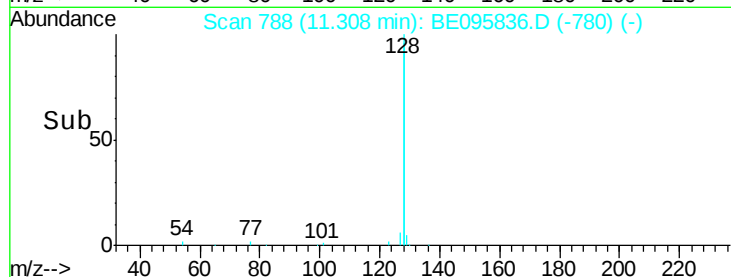
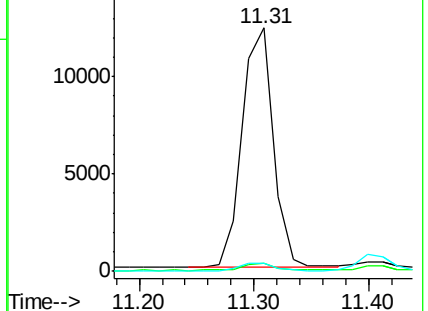
127 3.3 2.8 4.2



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: 0.352 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

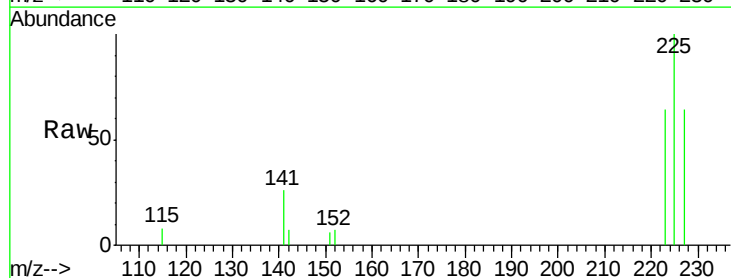
Tgt Ion:225 Resp: 1491

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

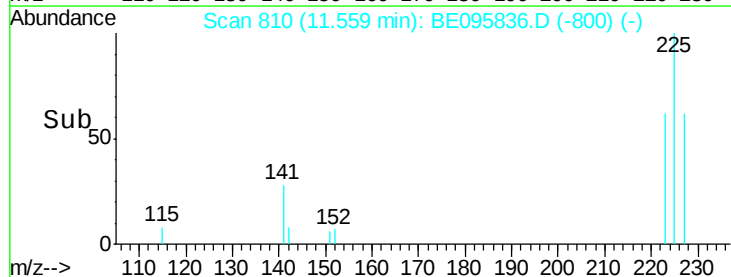
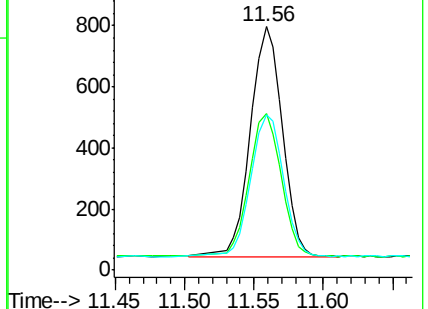
227 68.6 51.4 77.2

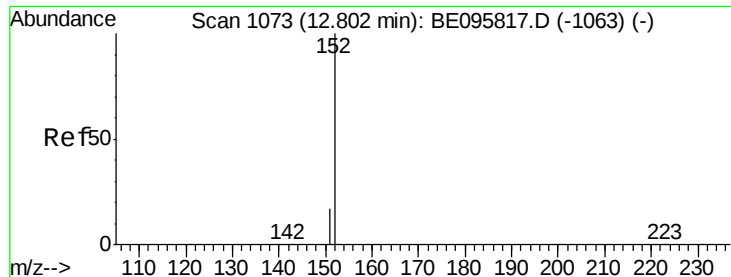


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

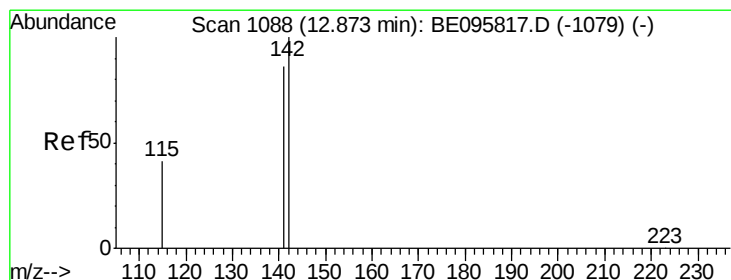
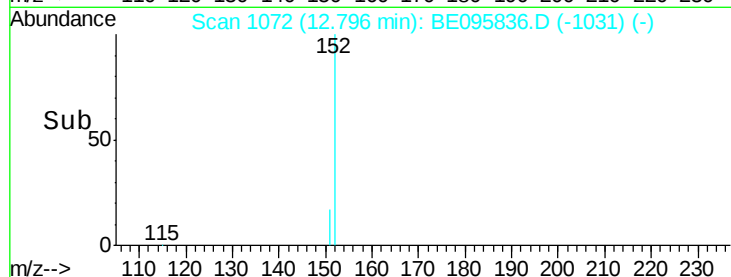
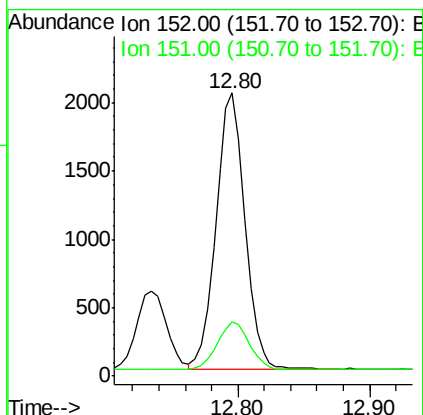
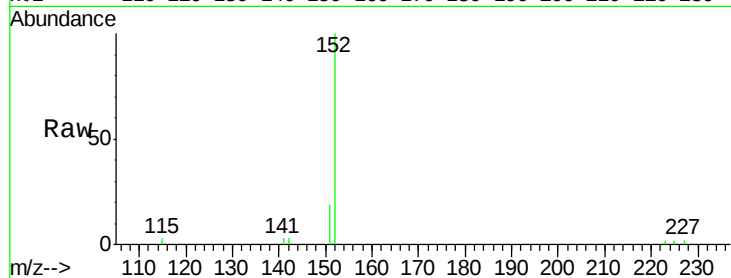




#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.80 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

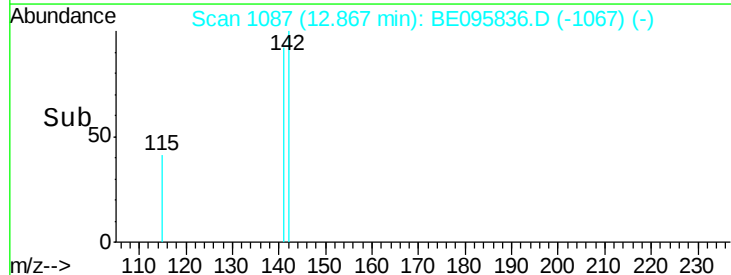
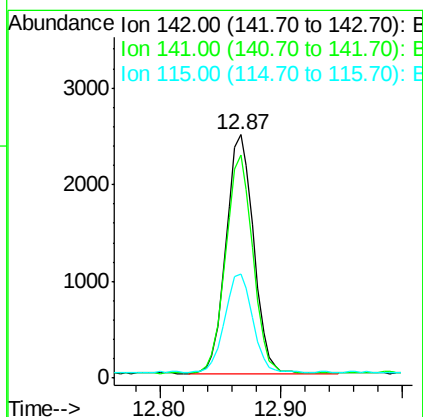
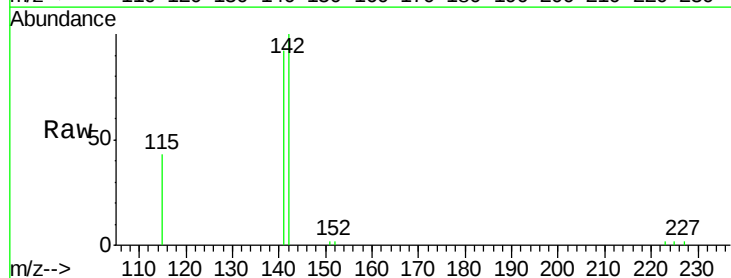
Instrument :
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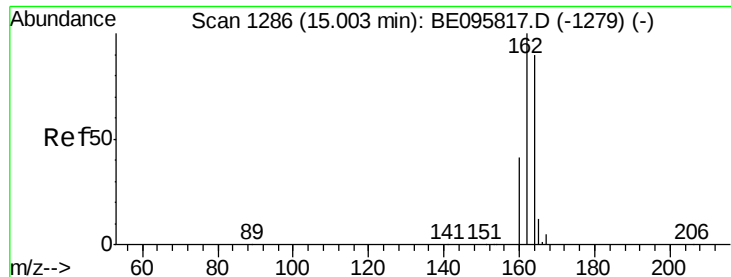
Tot Ion:152 Resp: 3083
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.87 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

Tgt Ion:142 Resp: 3864
Ion Ratio Lower Upper
142 100
141 91.7 70.4 105.6
115 42.6 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

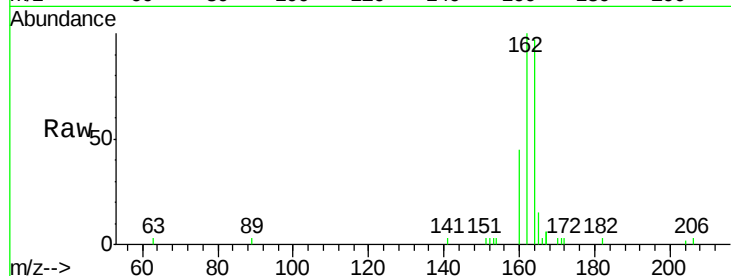
Tot Ion:164 Resp: 2792

Ion Ratio Lower Upper

164 100

162 103.0 83.1 124.7

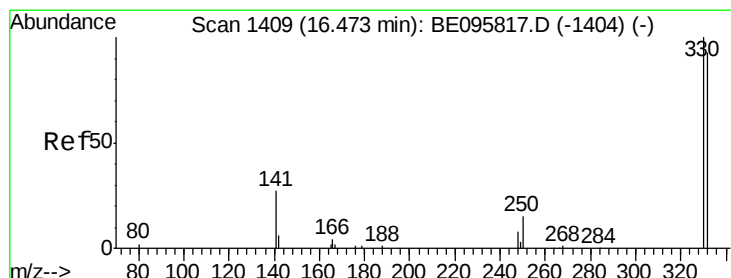
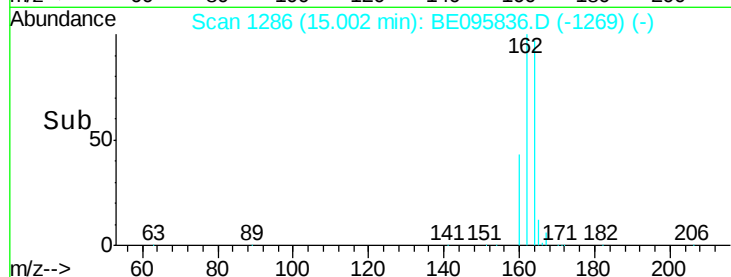
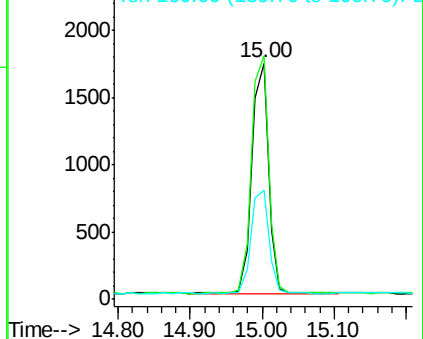
160 46.3 37.1 55.7



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: 0.302 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

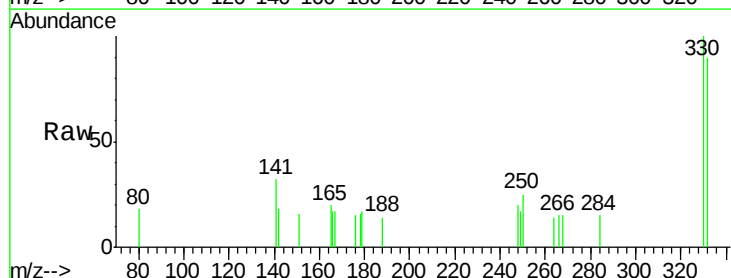
Tgt Ion:330 Resp: 487

Ion Ratio Lower Upper

330 100

332 91.0 152.7 229.1#

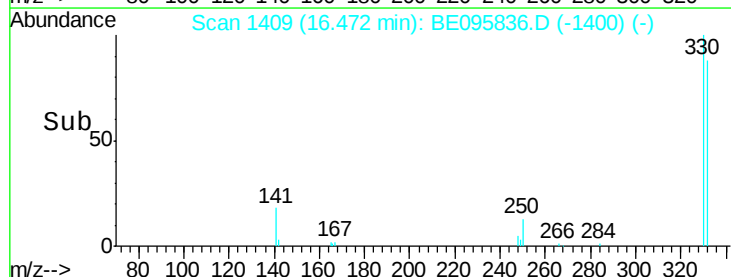
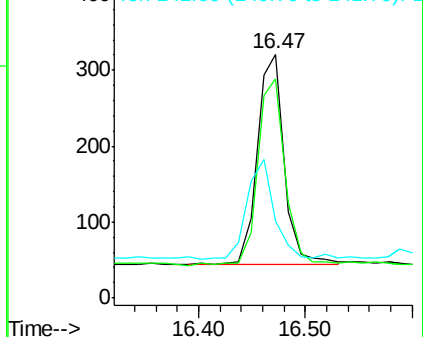
141 48.9 33.7 50.5

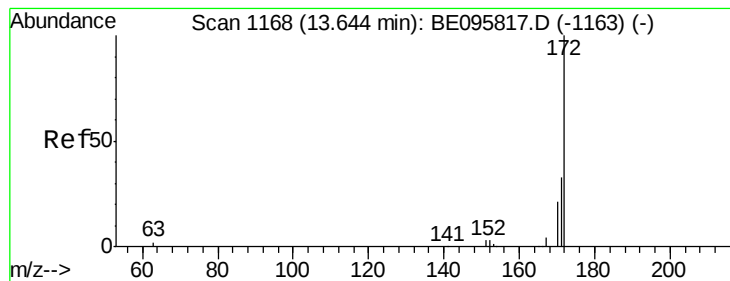


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

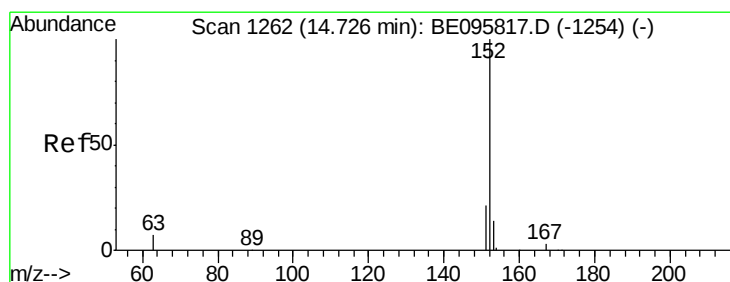
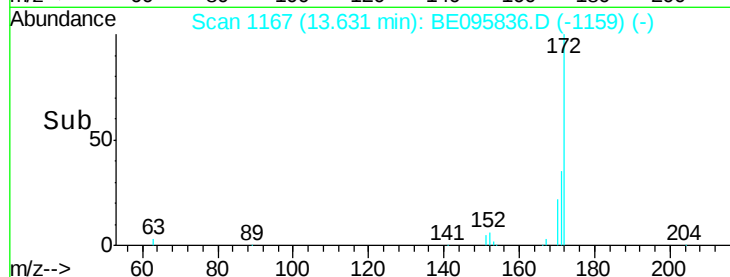
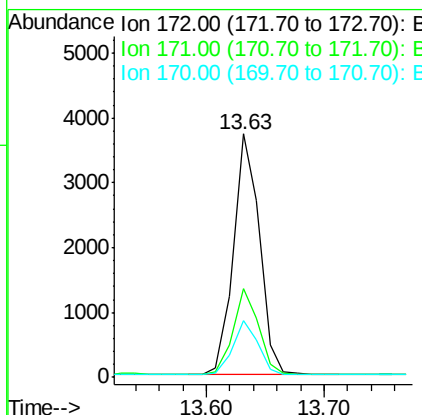
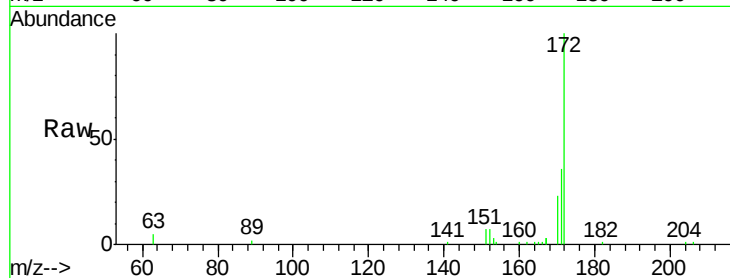




#15
2-Fluorobiphenyl
Concen: 0.485 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

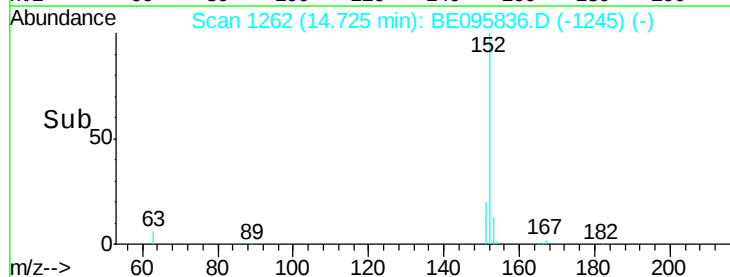
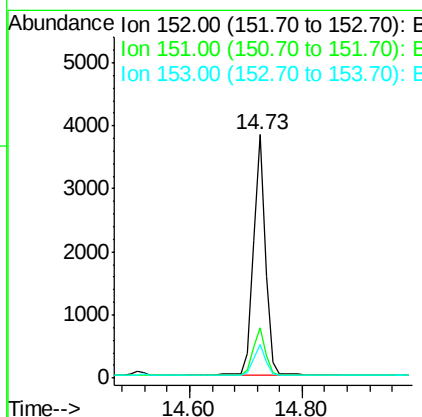
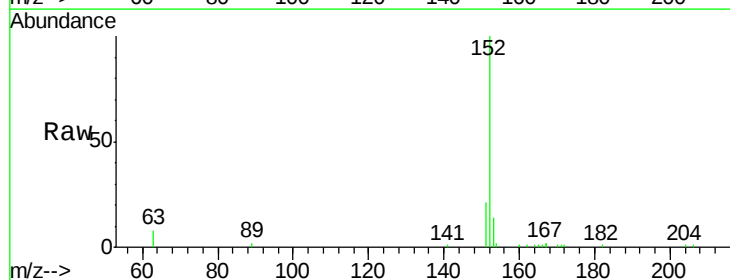
Instrument :
BNA_E
ClientSampleId :
PB107595BS

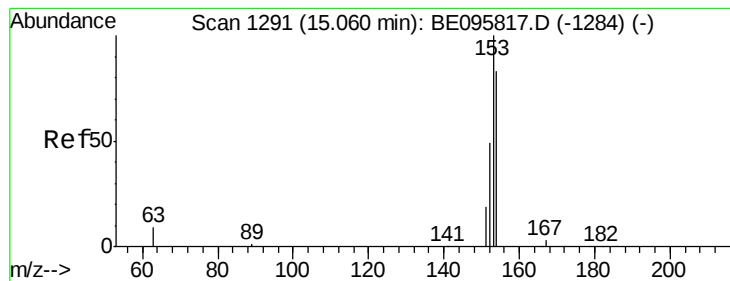
Tot Ion:172 Resp: 5709
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 23.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

Tgt Ion:152 Resp: 5678
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.341 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

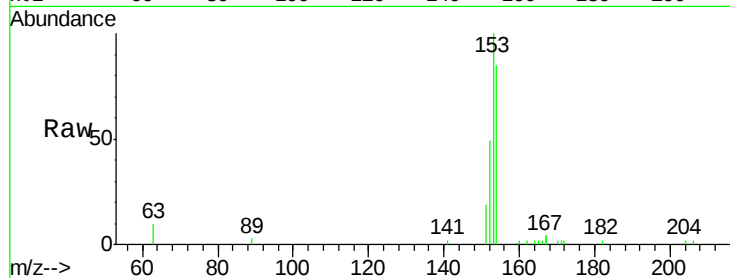
Tot Ion:154 Resp: 3322

Ion Ratio Lower Upper

154 100

153 119.1 89.2 133.8

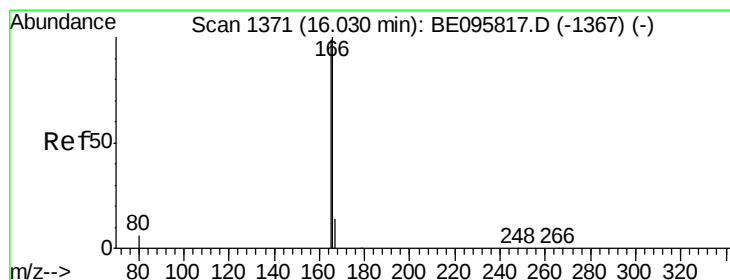
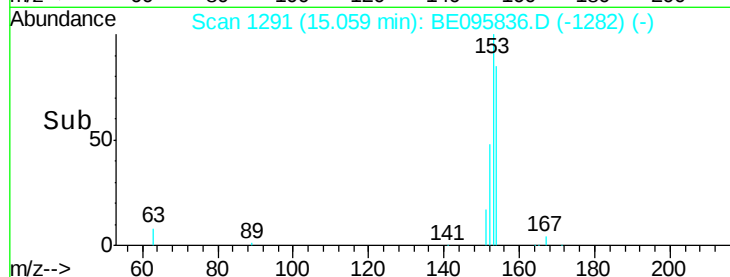
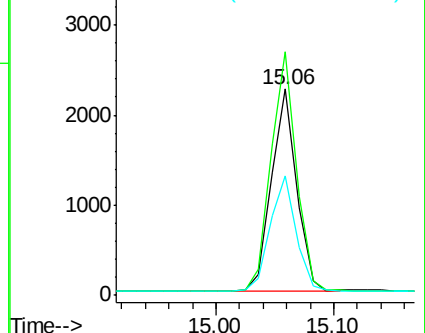
152 58.5 42.0 63.0



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: 0.338 ng

RT: 16.03 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

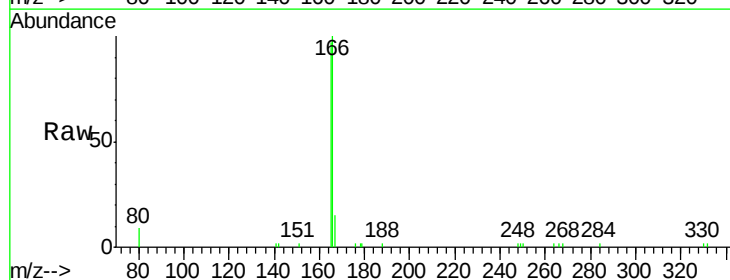
Tgt Ion:166 Resp: 4335

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

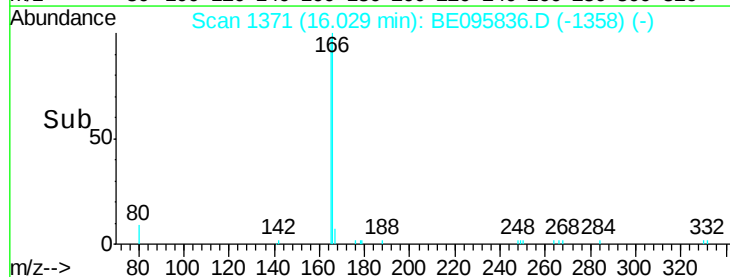
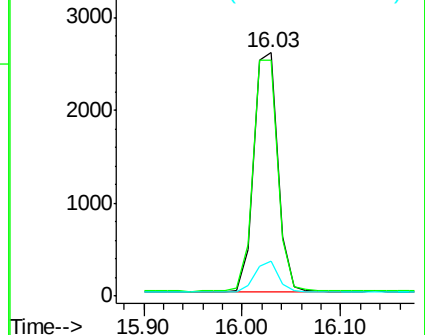
167 12.6 42.4 63.6#

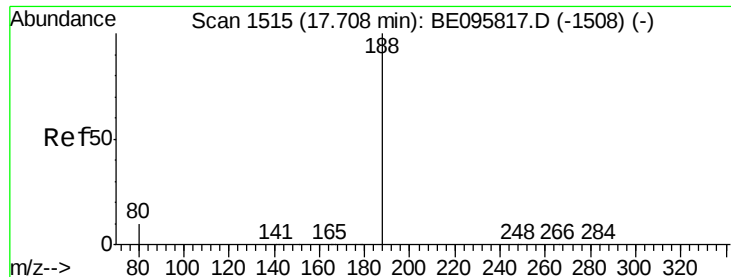


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1515

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

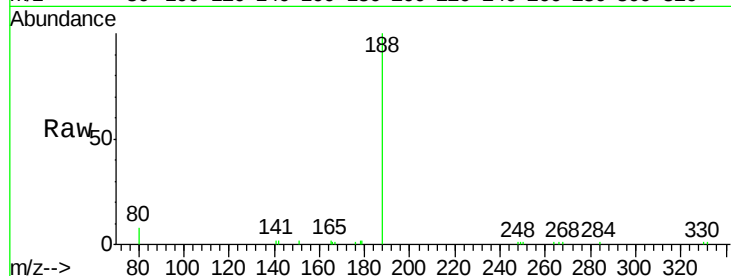
Tot Ion:188 Resp: 6175

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

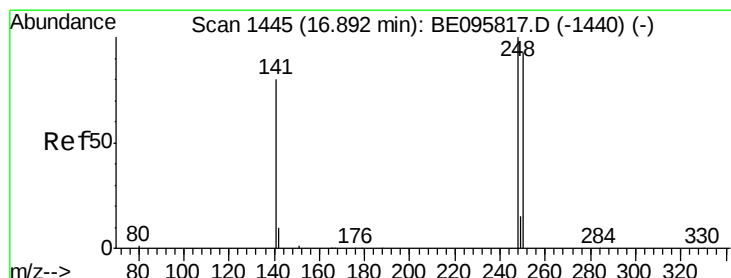
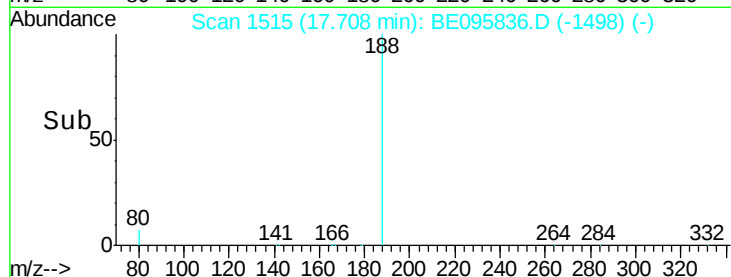
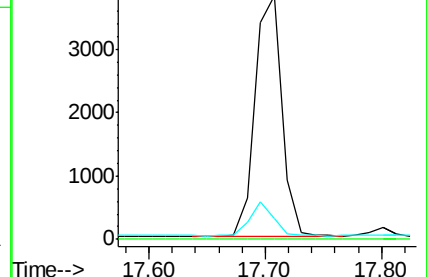
80 8.5 3.6 5.4#



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: 0.376 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

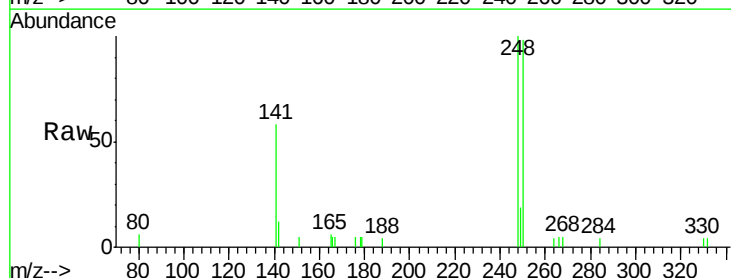
Tgt Ion:248 Resp: 1397

Ion Ratio Lower Upper

248 100

250 98.0 62.7 94.1#

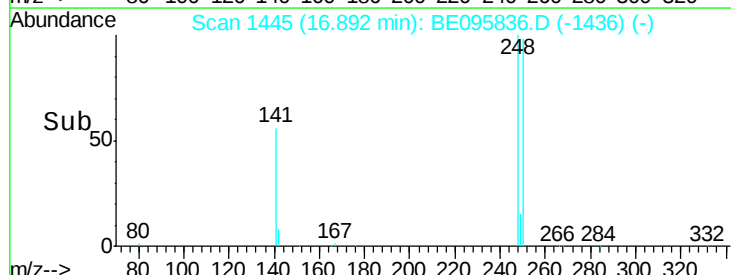
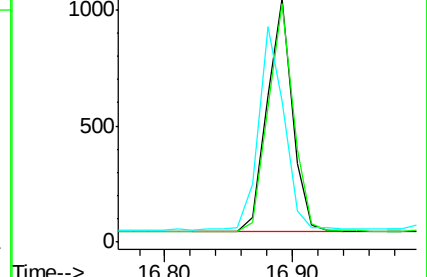
141 58.2 48.2 72.2

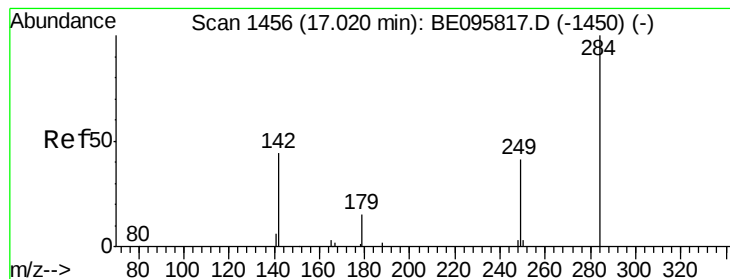


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.379 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

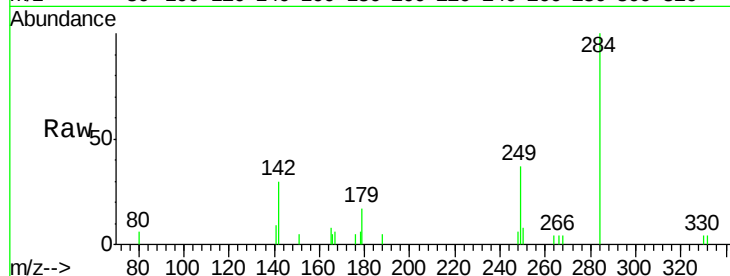
Tot Ion:284 Resp: 1406

Ion Ratio Lower Upper

284 100

142 41.7 22.1 33.1#

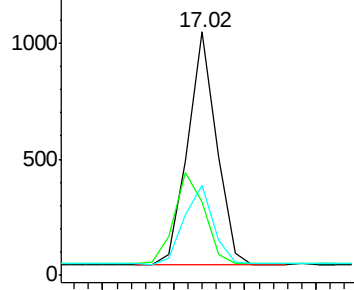
249 34.6 34.8 52.2#



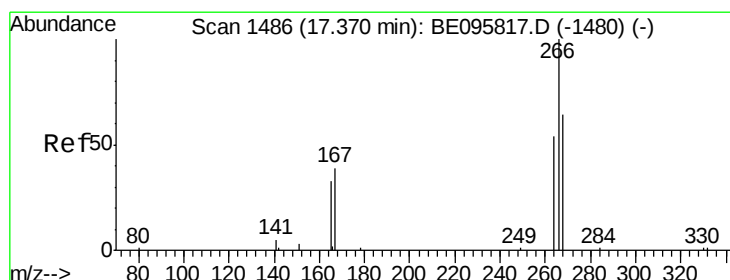
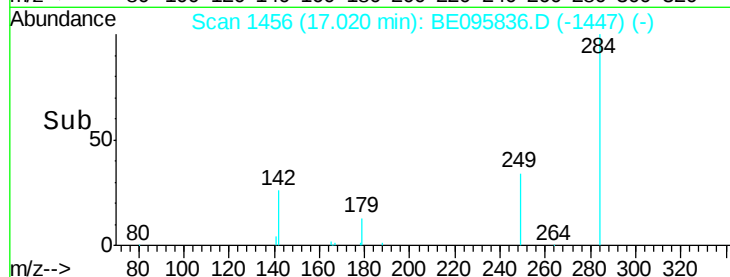
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.423 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

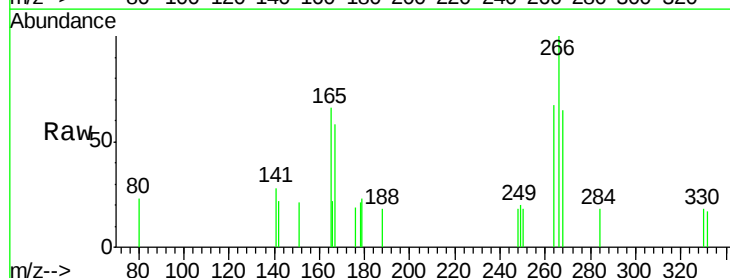
Tgt Ion:266 Resp: 409

Ion Ratio Lower Upper

266 100

264 66.9 72.5 108.7#

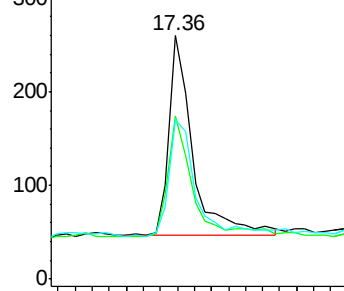
268 65.4 73.8 110.6#



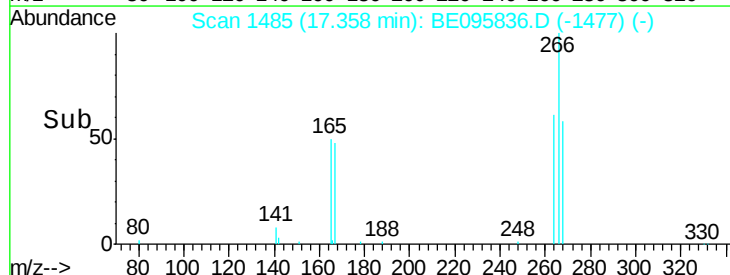
Abundance Ion 266.00 (265.70 to 266.70): E

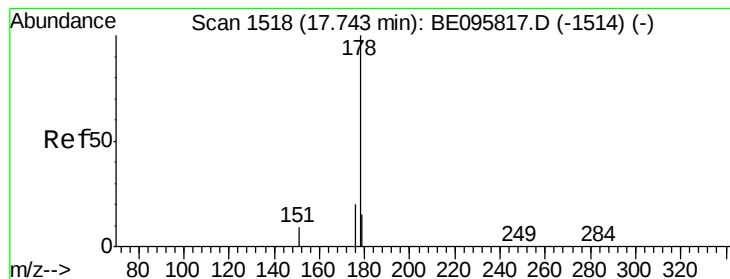
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.374 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

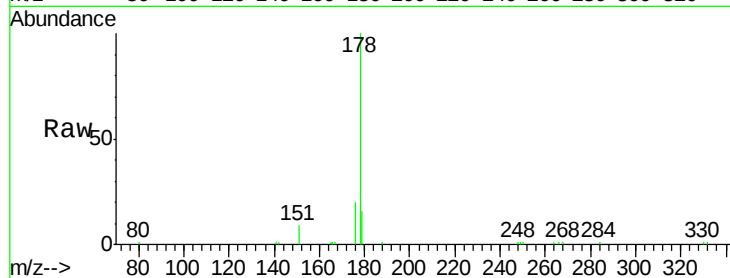
Tot Ion:178 Resp: 6908

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

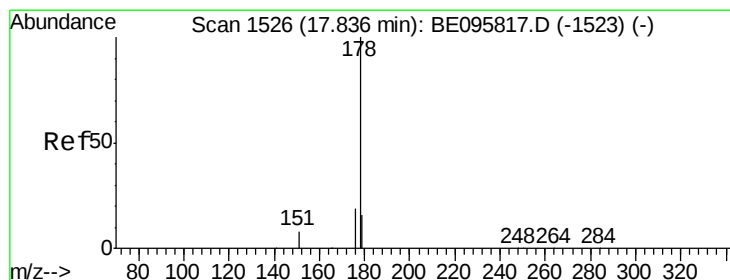
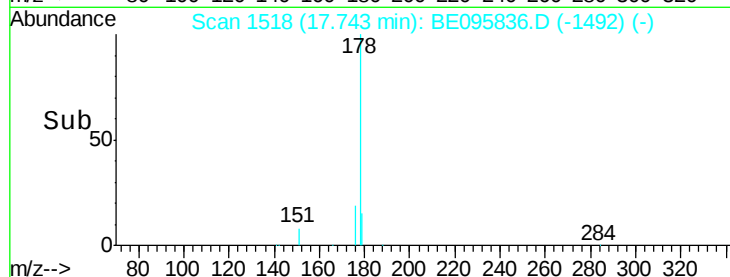
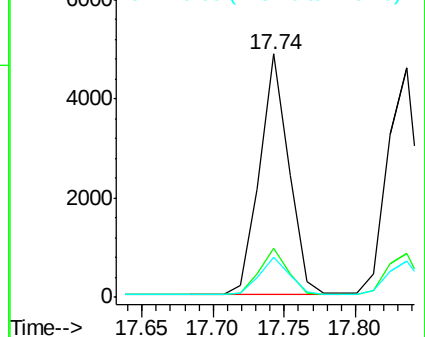
179 15.7 11.8 17.6



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: 0.373 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

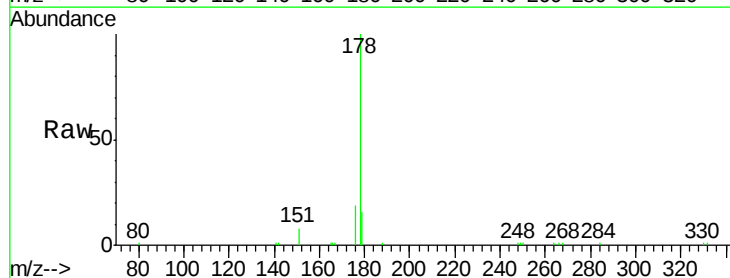
Tgt Ion:178 Resp: 6896

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

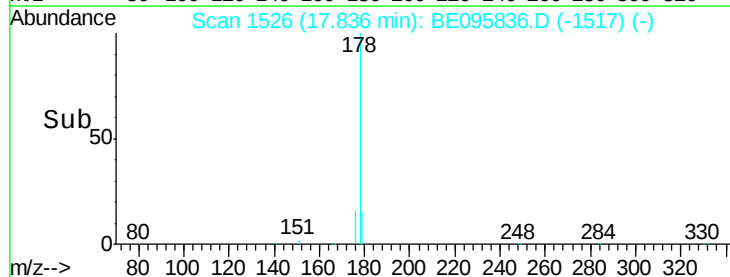
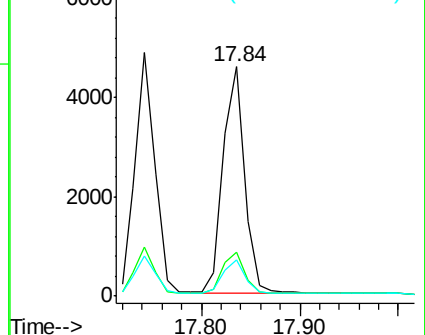
179 15.2 13.0 19.6

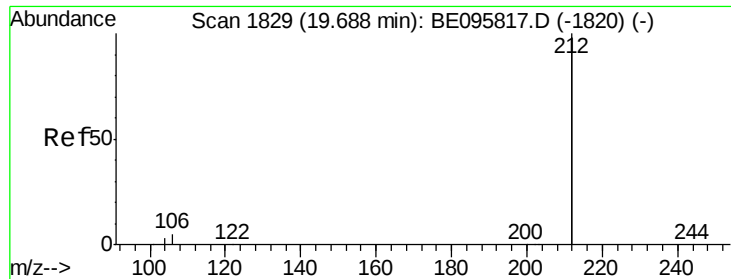


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.325 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

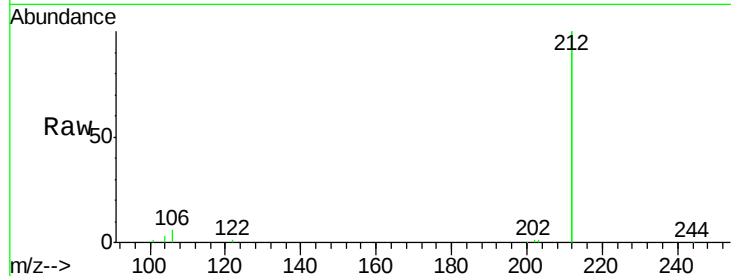
Tot Ion:212 Resp: 29809

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

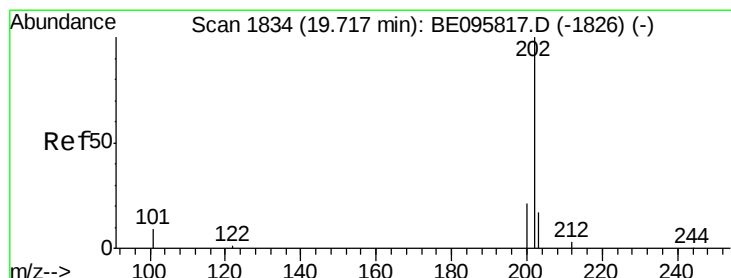
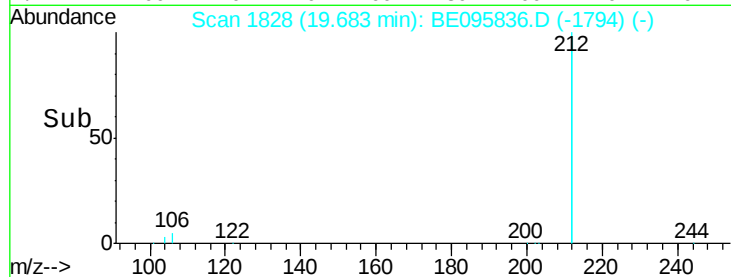
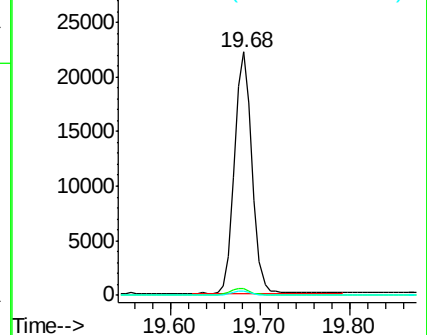
104 1.7 1.6 2.4



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: 0.347 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

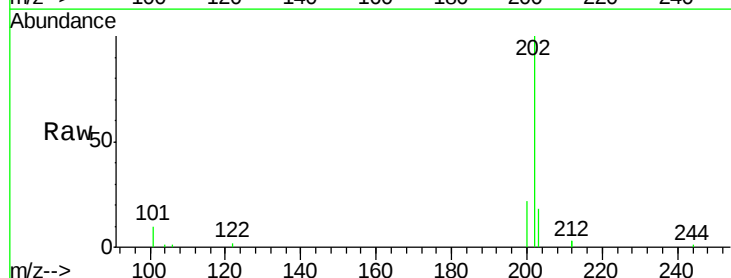
Tgt Ion:202 Resp: 8917

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

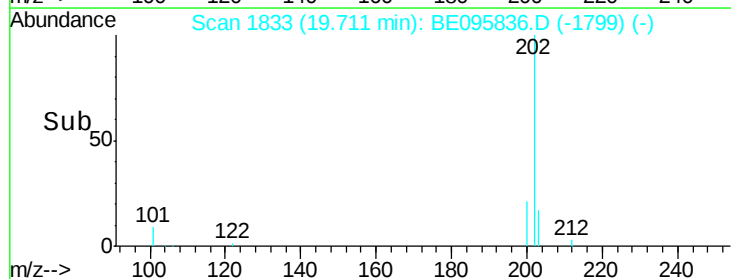
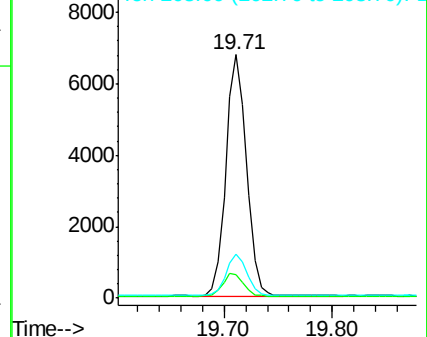
203 17.1 13.7 20.5



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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

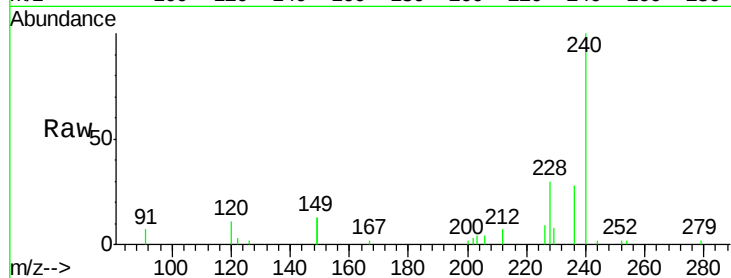
Tot Ion:240 Resp: 6616

Ion Ratio Lower Upper

240 100

120 11.5 5.5 8.3#

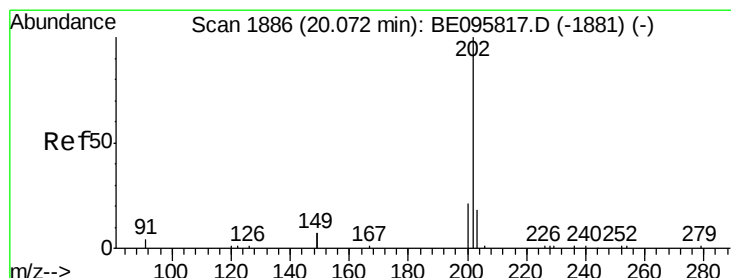
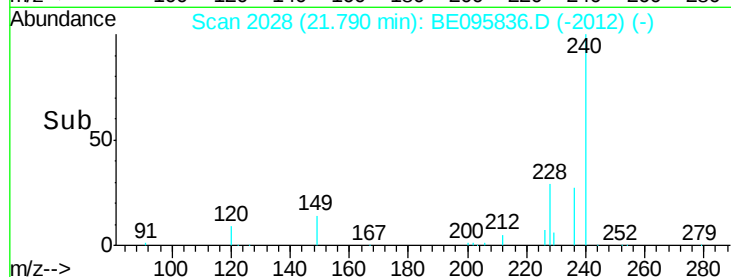
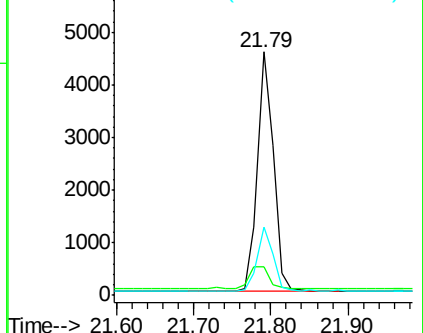
236 28.3 20.7 31.1



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: 0.363 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

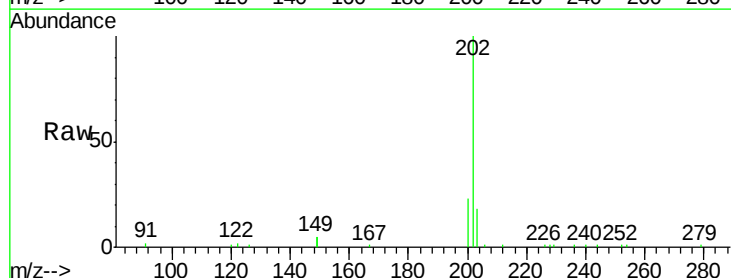
Tgt Ion:202 Resp: 9785

Ion Ratio Lower Upper

202 100

200 27.6 16.6 25.0#

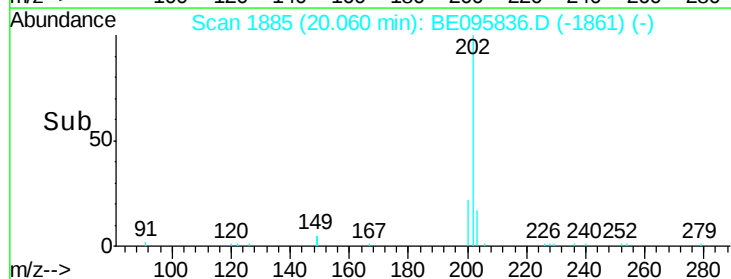
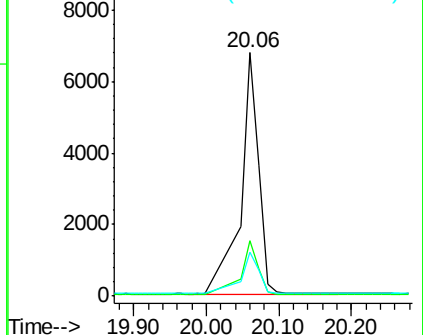
203 18.7 13.8 20.8



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: 0.495 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

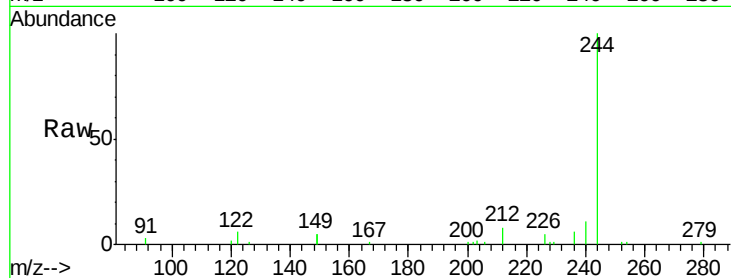
Tot Ion:244 Resp: 6958

Ion Ratio Lower Upper

244 100

212 7.8 25.4 38.0#

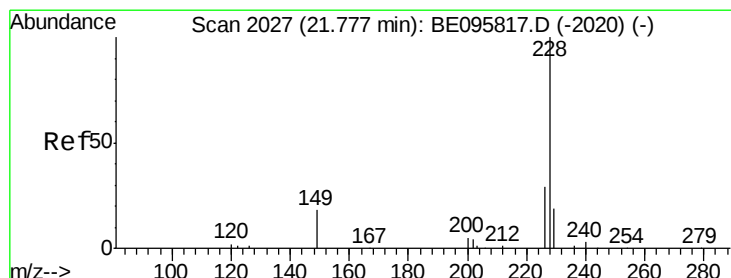
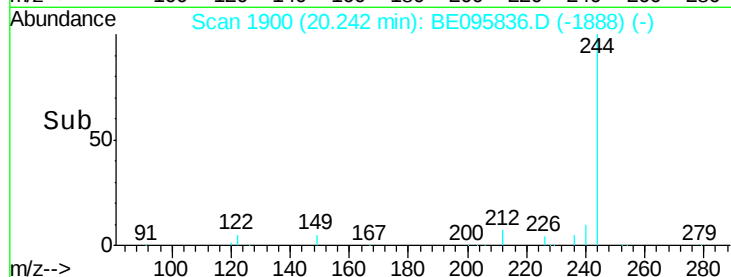
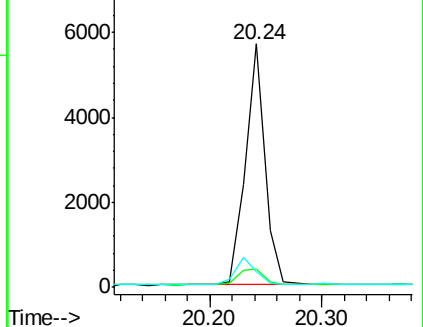
122 6.3 8.1 12.1#



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: 0.380 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

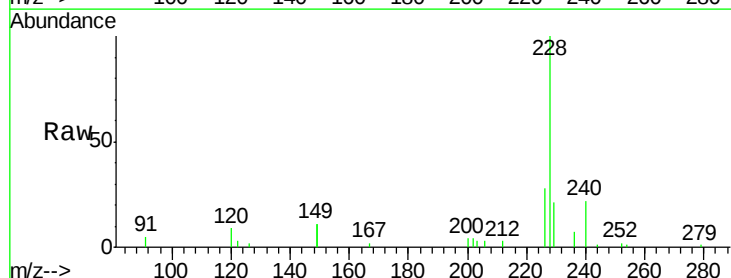
Tgt Ion:228 Resp: 8727

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

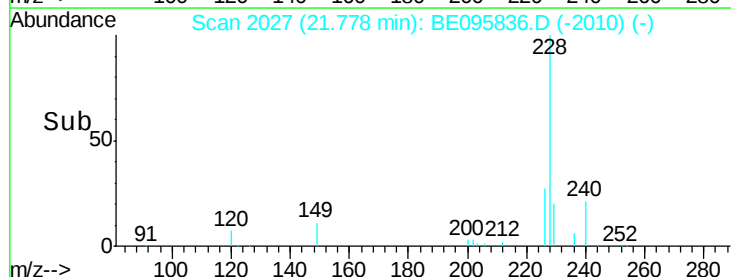
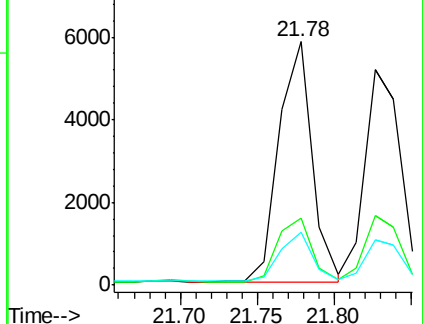
229 21.5 16.0 24.0



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

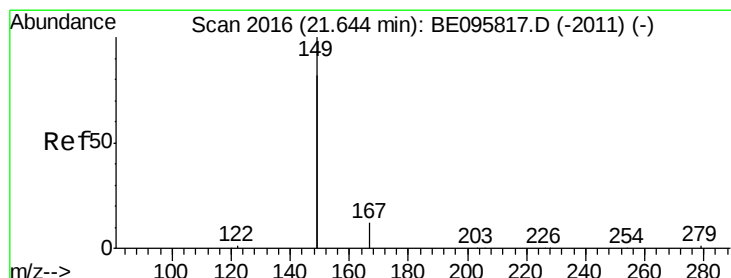
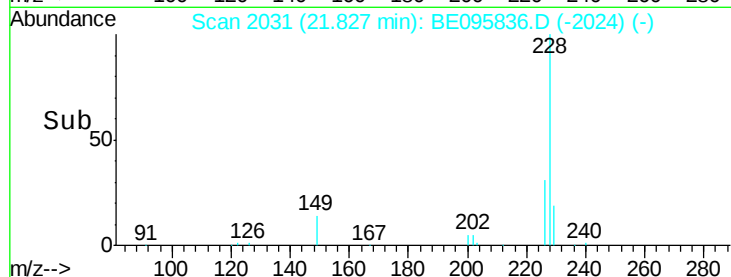
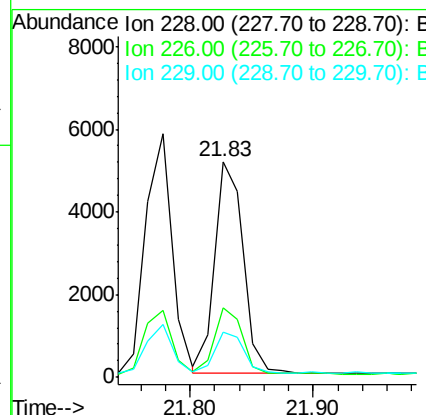
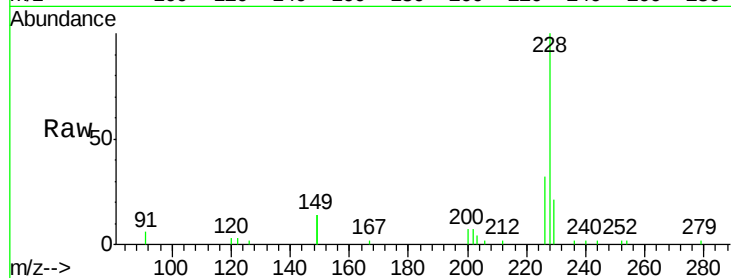




#31
Chrysene
Concen: 0.391 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

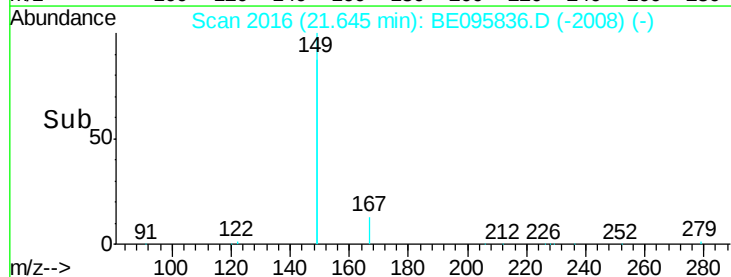
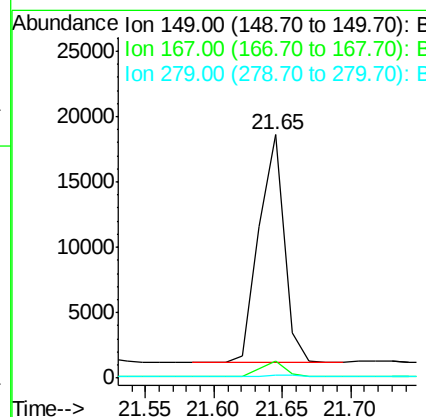
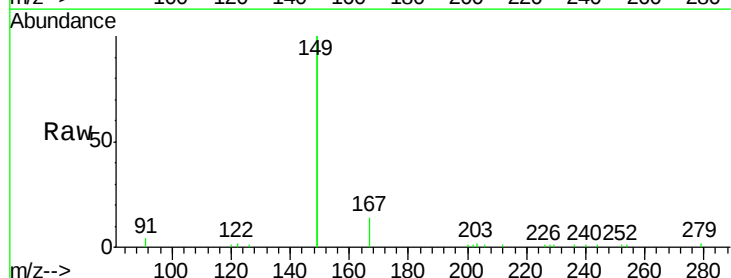
Instrument :
BNA_E
ClientSampleId :
PB107595BS

Tot Ion:228 Resp: 8186
Ion Ratio Lower Upper
228 100
226 32.1 24.0 36.0
229 20.8 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.318 ng
RT: 21.65 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095836.D
Acq: 26 Mar 2018 12:39

Tgt Ion:149 Resp: 22333
Ion Ratio Lower Upper
149 100
167 6.8 5.4 8.0
279 1.0 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.427 ng

RT: 27.22 min Scan# 3499

Delta R.T. -0.03 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

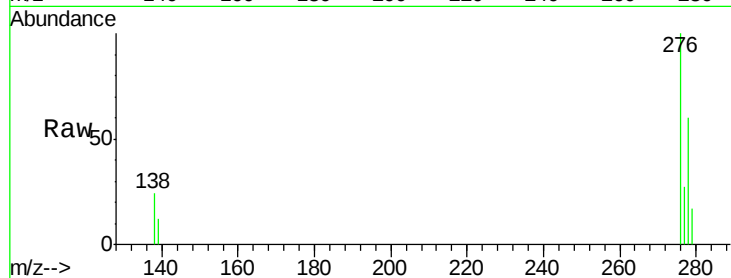
Tot Ion:276 Resp: 9640

Ion Ratio Lower Upper

276 100

138 22.5 22.5 33.7

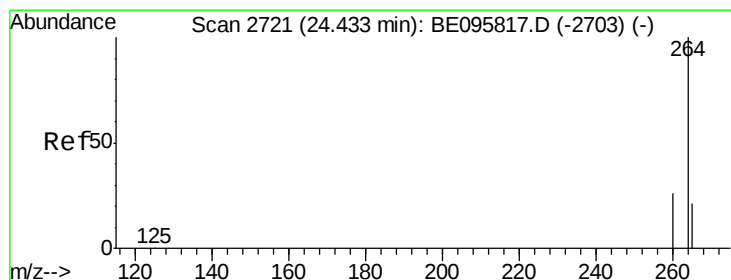
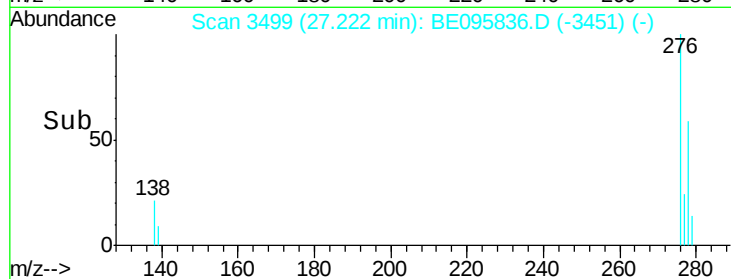
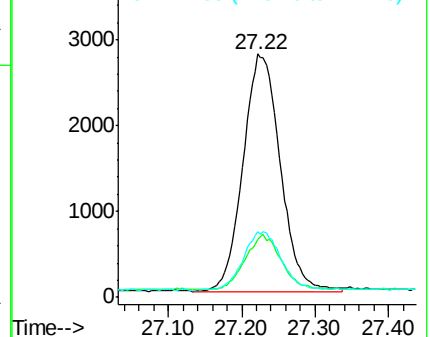
277 24.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2717

Delta R.T. -0.02 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

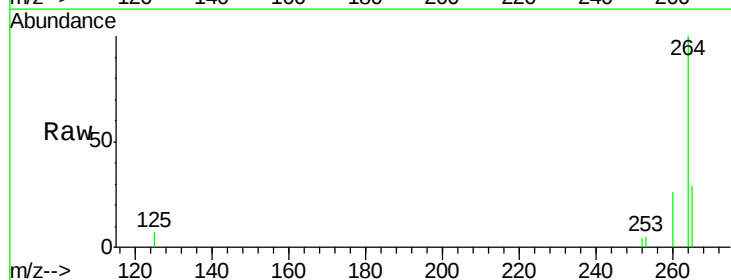
Tgt Ion:264 Resp: 6671

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

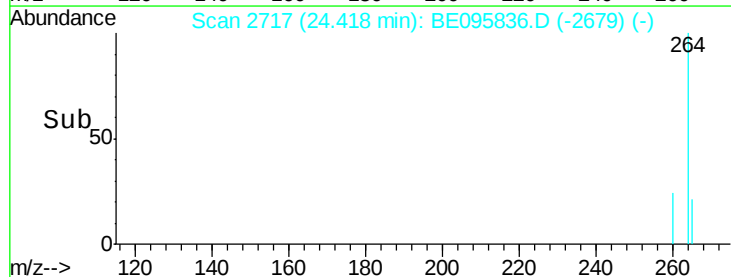
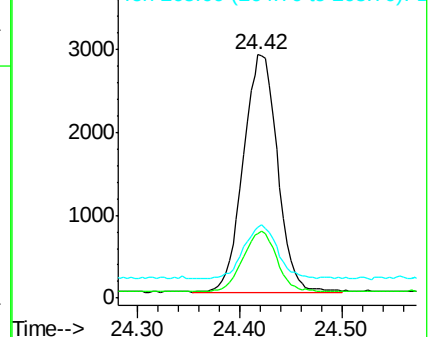
265 29.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

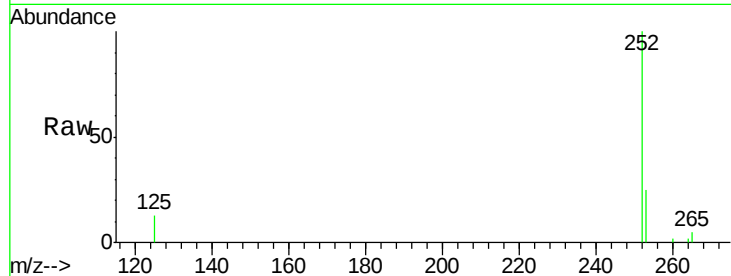
Tot Ion:252 Resp: 8404

Ion Ratio Lower Upper

252 100

253 25.3 20.0 30.0

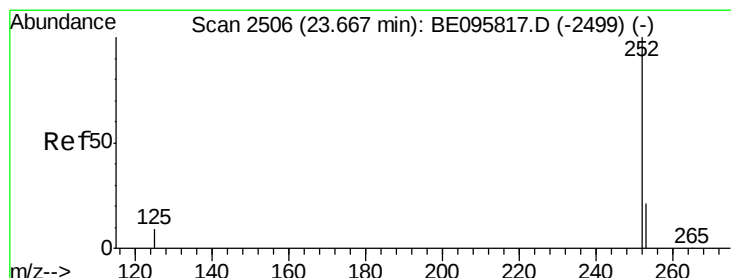
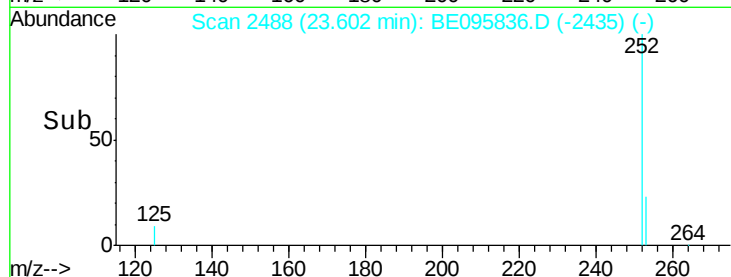
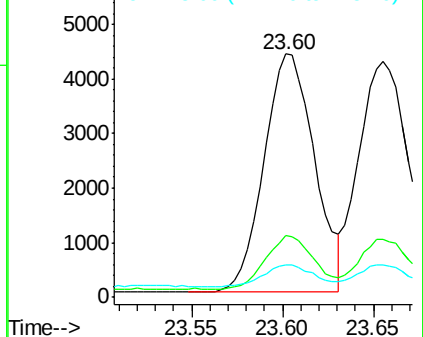
125 13.3 16.0 24.0#



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: 0.373 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

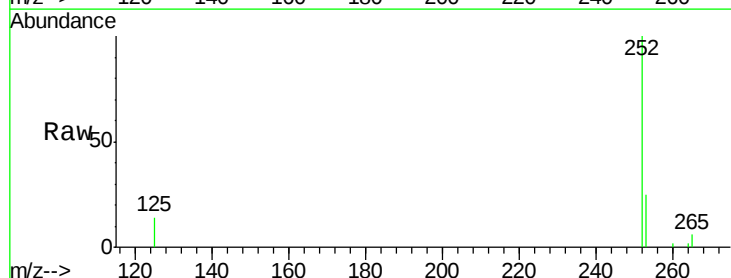
Tgt Ion:252 Resp: 8227

Ion Ratio Lower Upper

252 100

253 24.8 16.0 24.0#

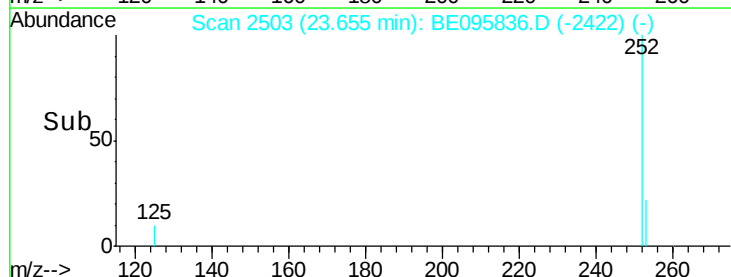
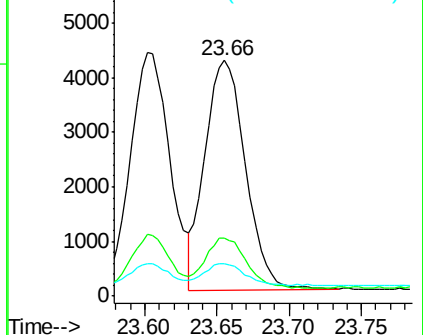
125 13.9 8.0 12.0#

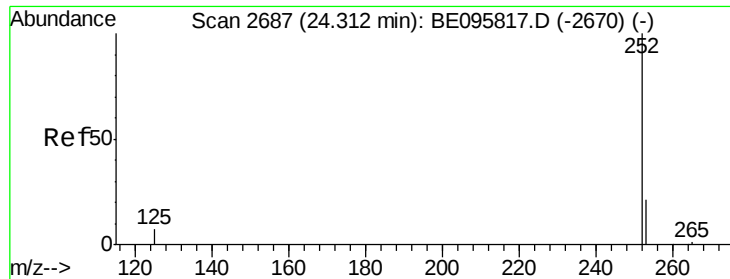


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.397 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

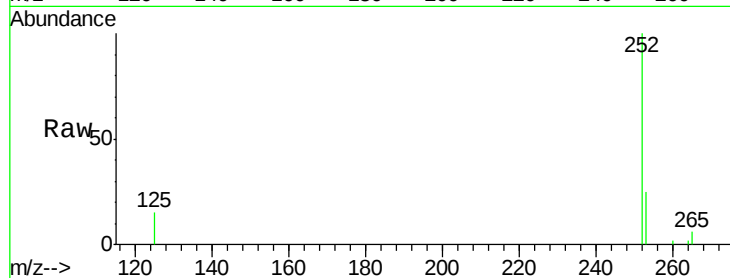
Tot Ion:252 Resp: 8213

Ion Ratio Lower Upper

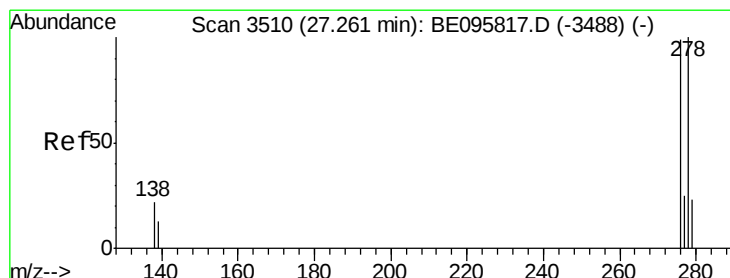
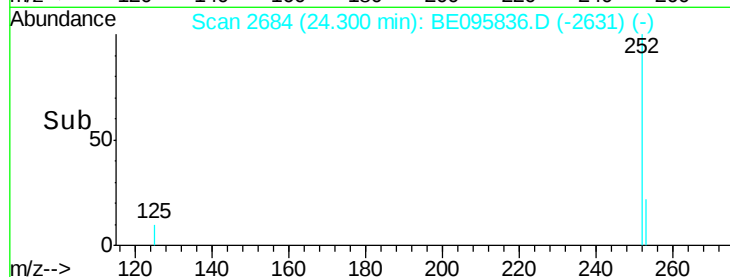
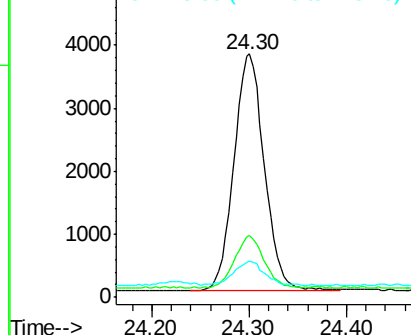
252 100

253 25.4 16.0 24.0#

125 14.8 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: 0.403 ng

RT: 27.24 min Scan# 3503

Delta R.T. -0.02 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

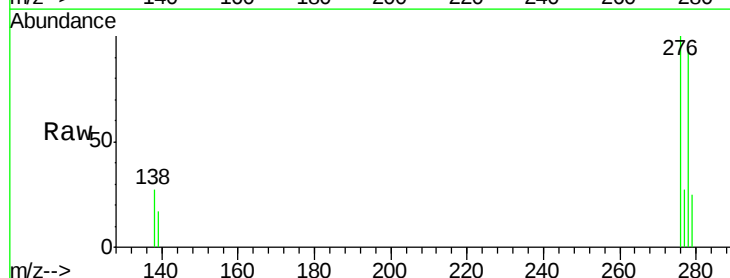
Tgt Ion:278 Resp: 7929

Ion Ratio Lower Upper

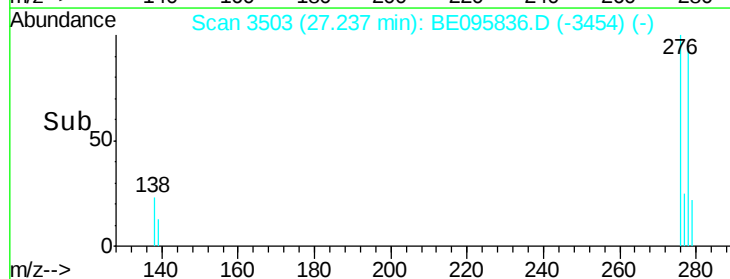
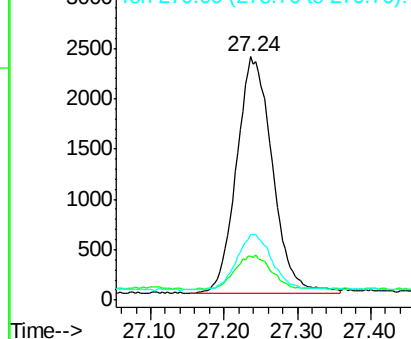
278 100

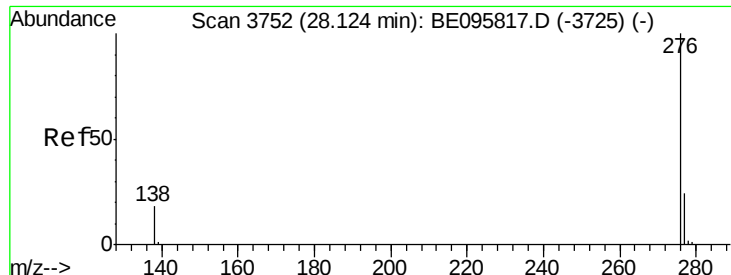
139 18.3 16.0 24.0

279 27.1 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: 0.414 ng

RT: 28.10 min Scan# 3745

Delta R.T. -0.02 min

Lab File: BE095836.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_E

ClientSampleId :

PB107595BS

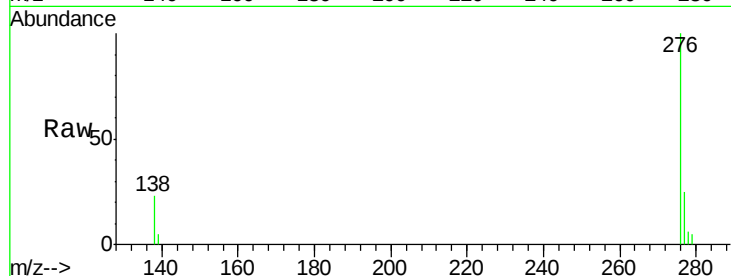
Tot Ion:276 Resp: 8168

Ion Ratio Lower Upper

276 100

277 24.9 16.0 24.0#

138 22.6 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

