

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095838.D
 Acq On : 26 Mar 2018 13:51
 Operator : SJ/JU
 Sample : J1994-09MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-03-031918MS

Quant Time: Mar 27 05:40:27 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	1181	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4241	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2352	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5431	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6515	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6457	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	694	0.18	ng	0.00
5) Phenol-d6	7.56	99	587	0.11	ng	0.00
8) Nitrobenzene-d5	9.59	82	2472	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2729	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	530	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5933	0.60	ng	-0.01
25) Fluoranthene-d10	19.68	212	31072	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	8298	0.60	ng	0.00

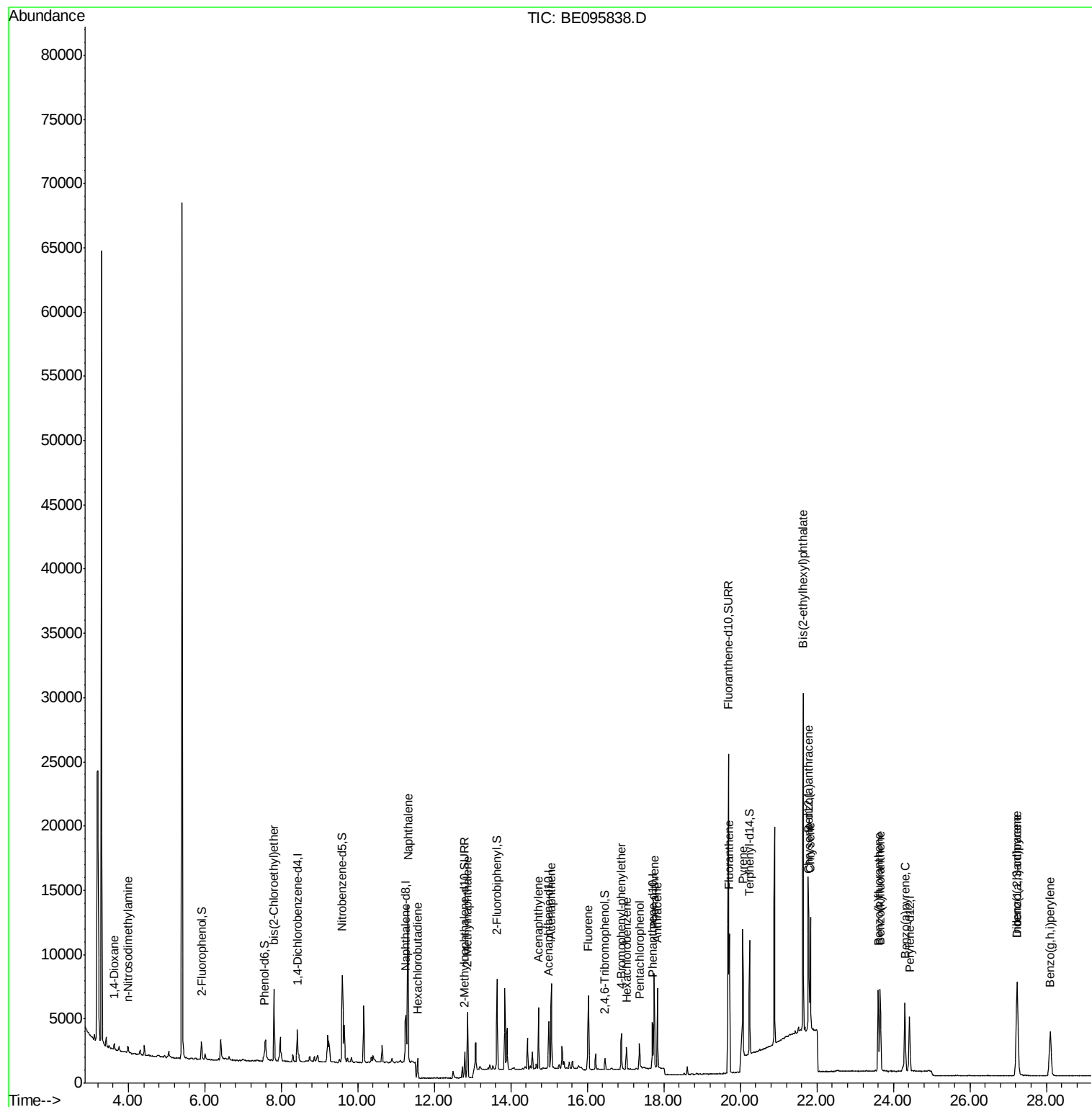
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	299	0.155	ng	# 64
3) n-Nitrosodimethylamine	3.98	42	373	0.131	ng	87
6) bis(2-Chloroethyl)ether	7.81	93	1834	0.397	ng	95
9) Naphthalene	11.31	128	21395	0.442	ng	100
10) Hexachlorobutadiene	11.56	225	1289	0.387	ng	98
12) 2-Methylnaphthalene	12.87	142	3609	0.436	ng	98
16) Acenaphthylene	14.73	152	5437	0.404	ng	99
17) Acenaphthene	15.06	154	3277	0.399	ng	96
18) Fluorene	16.02	166	4275	0.396	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1378	0.422	ng	# 85
21) Hexachlorobenzene	17.02	284	1331	0.408	ng	# 80
22) Pentachlorophenol	17.36	266	1071	1.001	ng	# 72
23) Phenanthrene	17.74	178	7081	0.436	ng	99
24) Anthracene	17.84	178	6953	0.428	ng	95
26) Fluoranthene	19.71	202	9410	0.417	ng	97
28) Pyrene	20.06	202	11422	0.430	ng	97
30) Benzo(a)anthracene	21.78	228	9613	0.425	ng	97
31) Chrysene	21.83	228	9035	0.438	ng	96
32) Bis(2-ethylhexyl)phthalate	21.64	149	29430	0.426	ng	99
33) Indeno(1,2,3-cd)pyrene	27.23	276	10281	0.463	ng	# 93
35) Benzo(b)fluoranthene	23.60	252	9314	0.436	ng	# 94
36) Benzo(k)fluoranthene	23.66	252	9058	0.424	ng	# 92
37) Benzo(a)pyrene	24.30	252	8803	0.440	ng	# 92
38) Dibenzo(a,h)anthracene	27.24	278	8418	0.443	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8612	0.451	ng	# 92

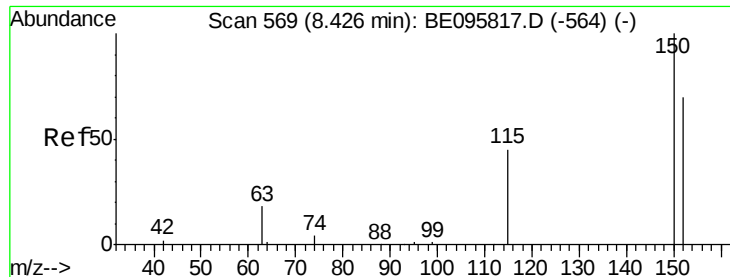
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.42 min Scan# 568

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

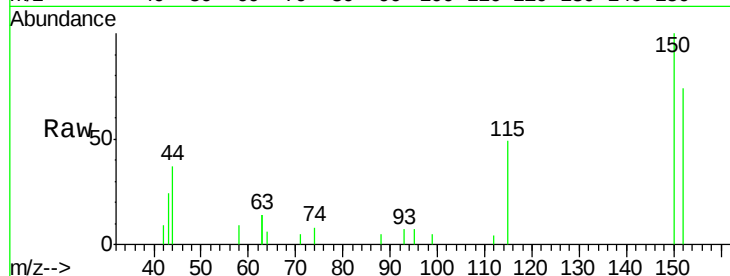
Tot Ion:152 Resp: 1181

Ion Ratio Lower Upper

152 100

150 135.1 117.2 175.8

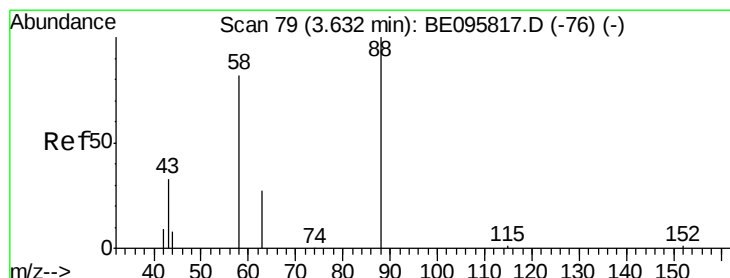
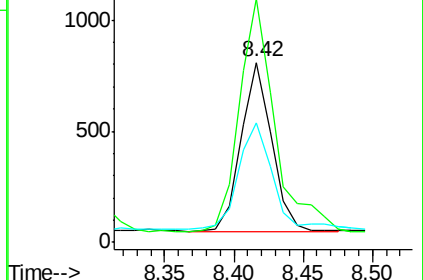
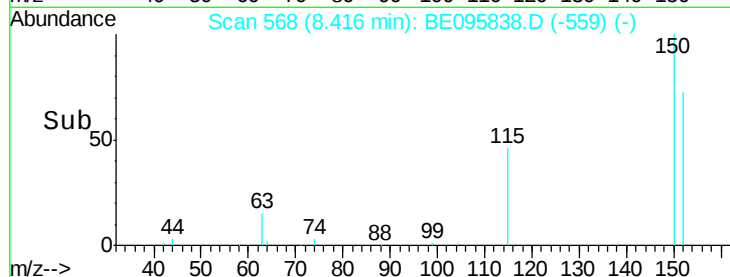
115 66.6 57.0 85.6



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: 0.155 ng

RT: 3.63 min Scan# 79

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

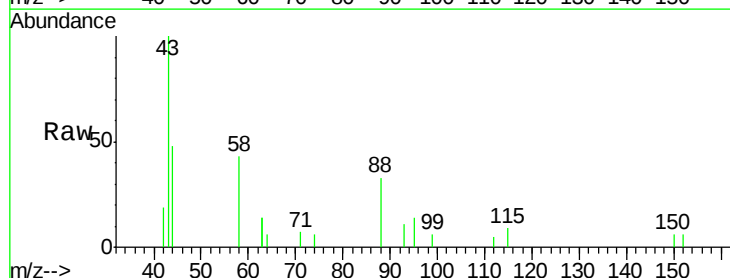
Tgt Ion: 88 Resp: 299

Ion Ratio Lower Upper

88 100

58 103.7 63.2 94.8#

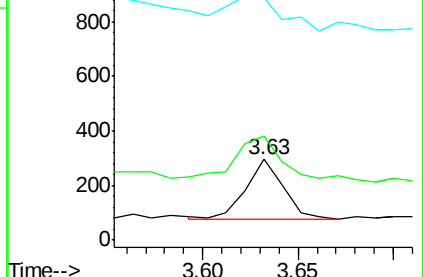
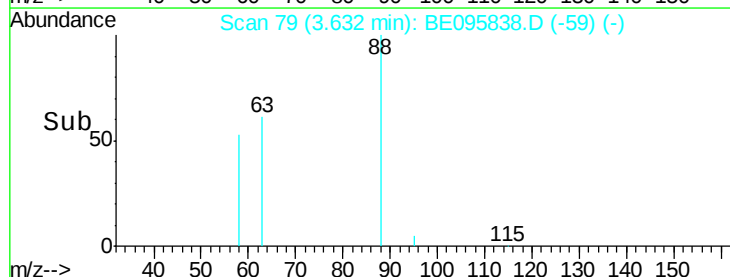
43 84.9 41.2 61.8#

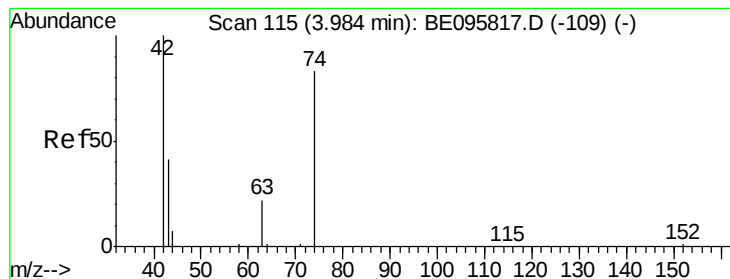


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



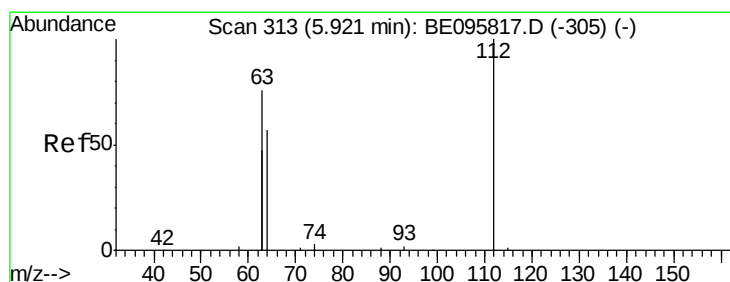
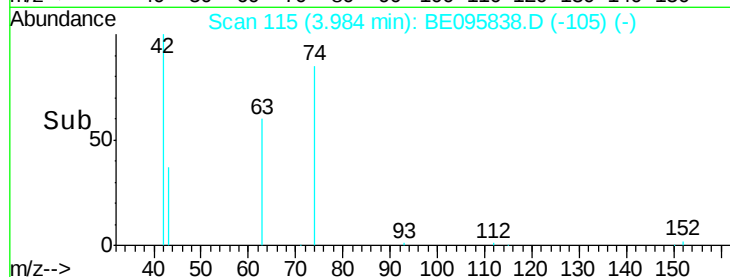
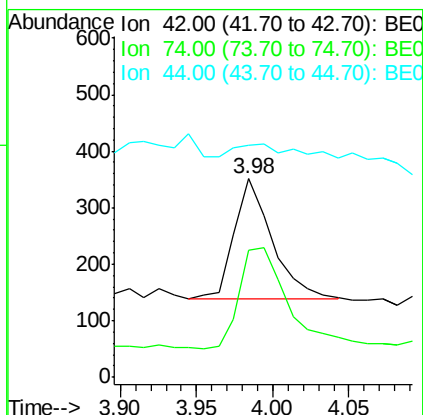
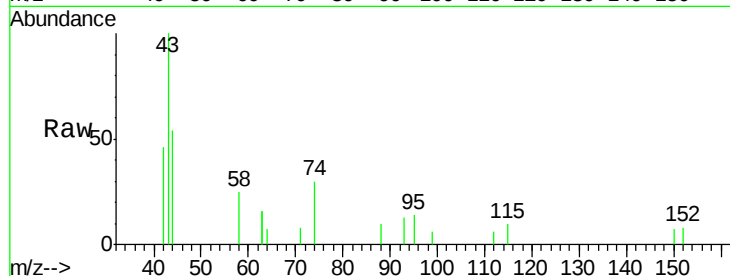


#3

n-Nitrosodimethylamine
 Concen: 0.131 ng
 RT: 3.98 min Scan# 115
 Delta R.T. -0.00 min
 Lab File: BE095838.D
 Acq: 26 Mar 2018 13:51

Instrument :
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 ClientSampleId :
 PR-MW-03-031918MS

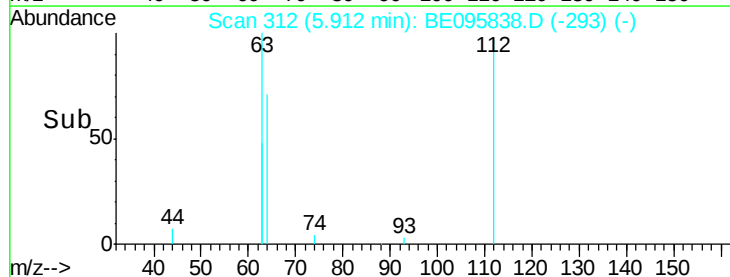
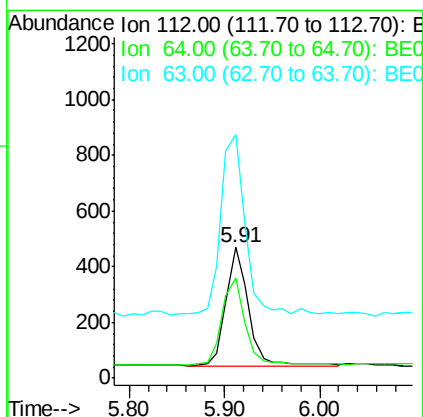
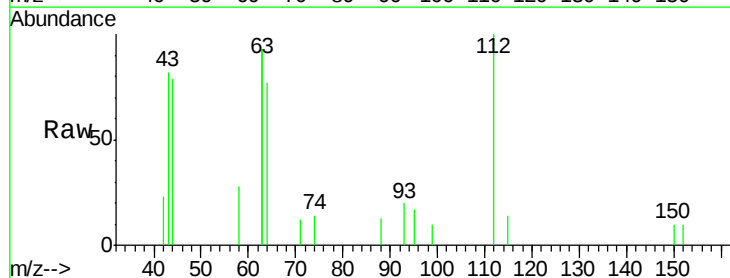
Tot Ion: 42 Resp: 373
 Ion Ratio Lower Upper
 42 100
 74 104.8 96.0 144.0
 44 17.2 12.0 18.0

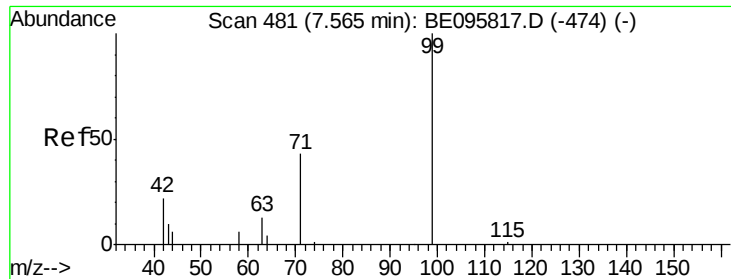


#4

2-Fluorophenol
 Concen: 0.178 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095838.D
 Acq: 26 Mar 2018 13:51

Tgt Ion: 112 Resp: 694
 Ion Ratio Lower Upper
 112 100
 64 76.5 60.1 90.1
 63 170.2 116.8 175.2





#5

Phenol-d6

Concen: 0.110 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

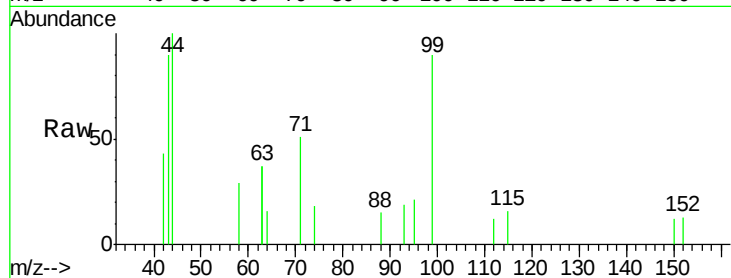
Tot Ion: 99 Resp: 587

Ion Ratio Lower Upper

99 100

42 42.6 20.2 30.2#

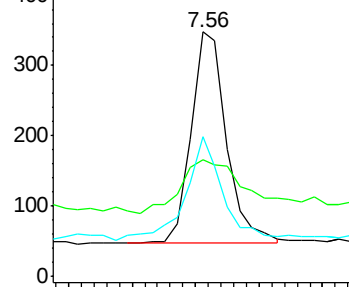
71 52.0 28.4 42.6#



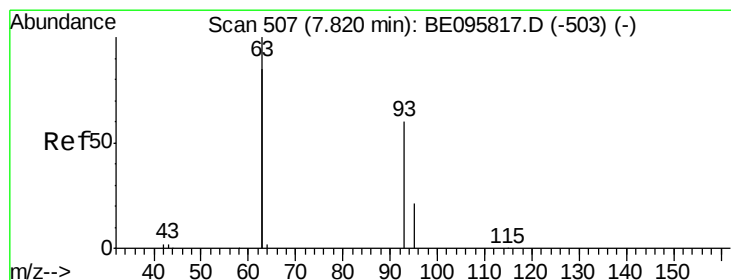
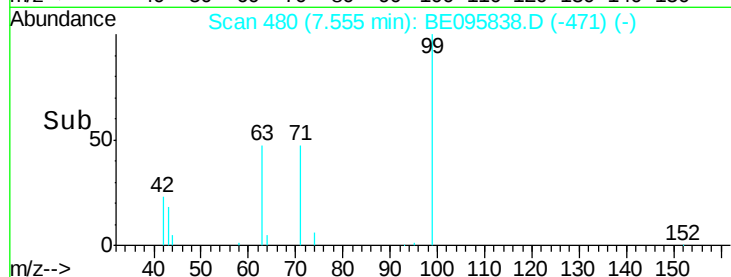
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 7.45 7.50 7.55 7.60 7.65



#6

bis(2-Chloroethyl)ether

Concen: 0.397 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

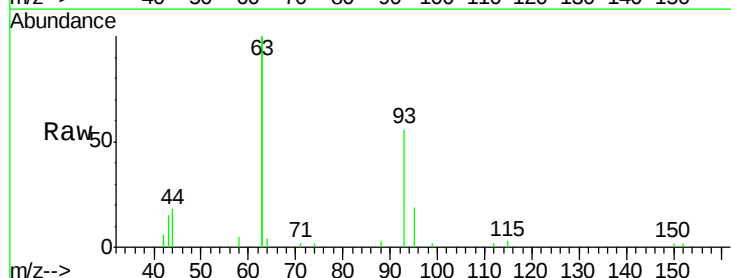
Tgt Ion: 93 Resp: 1834

Ion Ratio Lower Upper

93 100

63 333.4 275.3 412.9

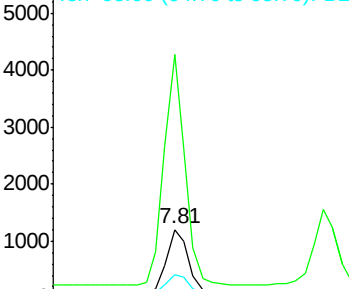
95 30.6 25.2 37.8



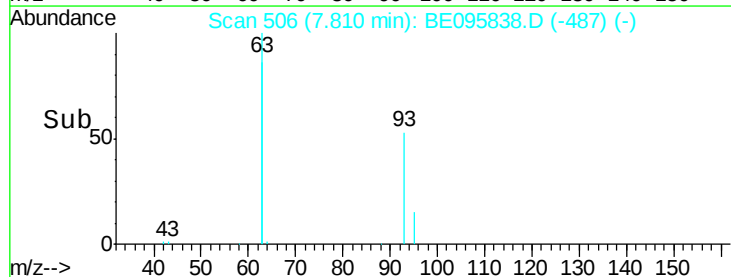
Abundance Ion 93.00 (92.70 to 93.70): BE0

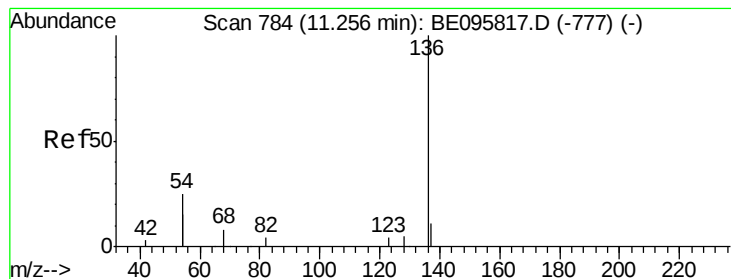
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.70 7.80 7.90





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

Tot Ion:136 Resp: 4241

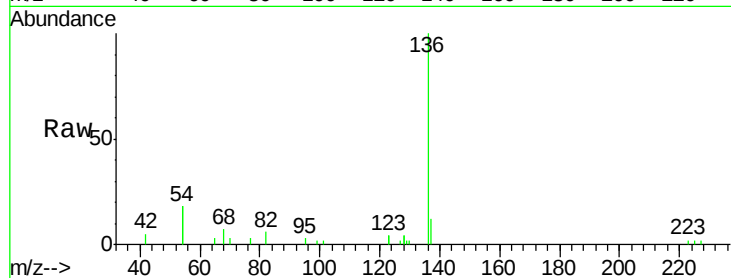
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 35.8 29.1 43.7

68 7.3 6.2 9.2

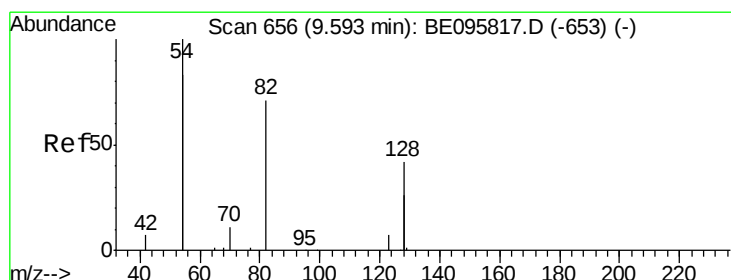
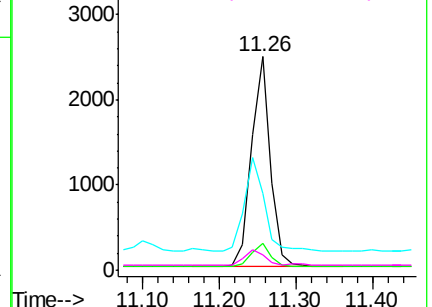
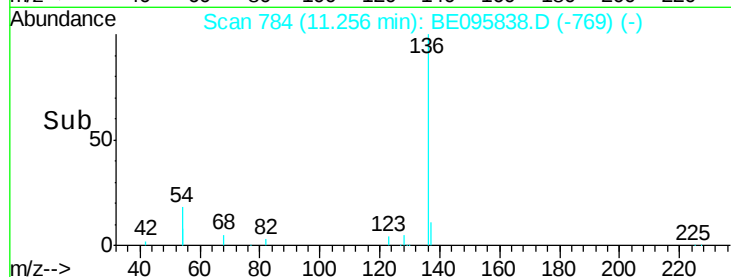


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.493 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

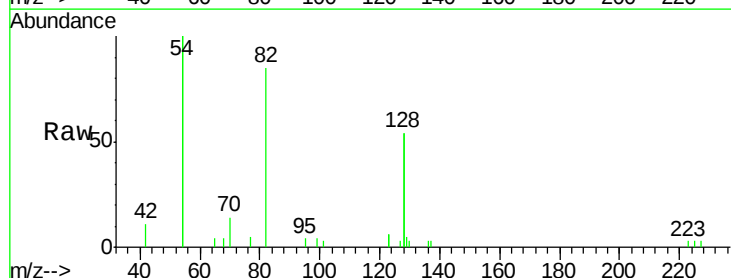
Tgt Ion: 82 Resp: 2472

Ion Ratio Lower Upper

82 100

128 126.8 150.0 225.0#

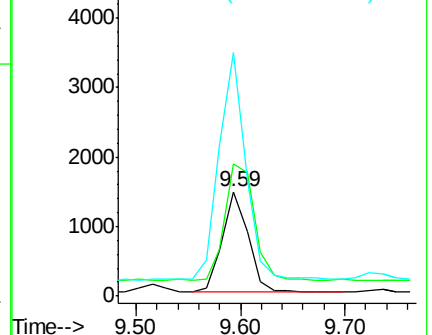
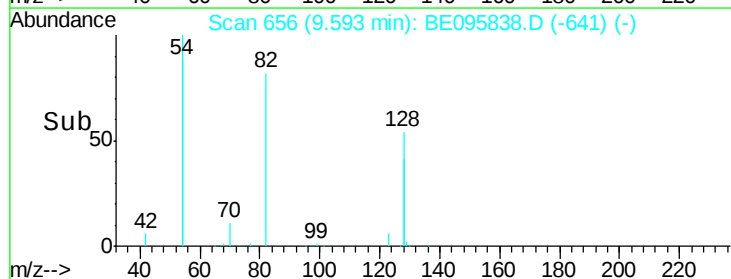
54 233.9 154.2 231.4#

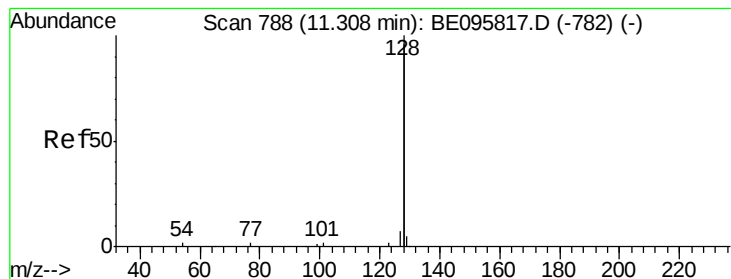


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.442 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

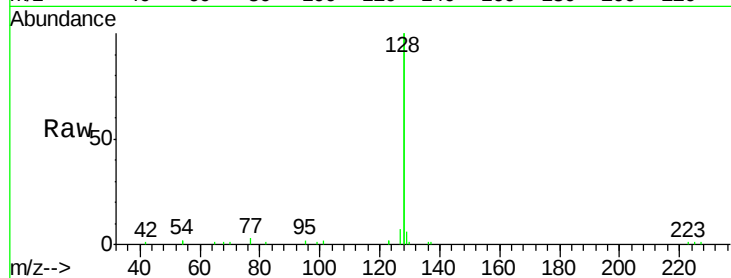
Tot Ion:128 Resp: 21395

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

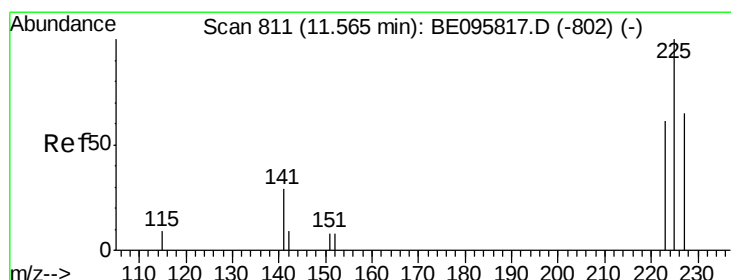
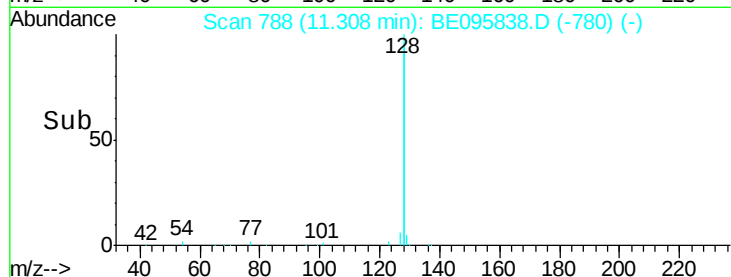
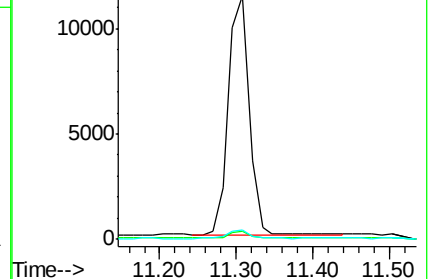
127 3.7 2.8 4.2



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: 0.387 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

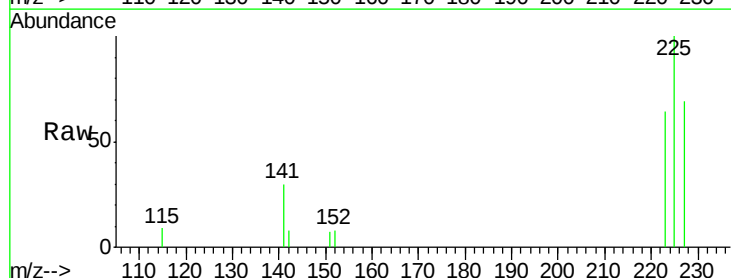
Tgt Ion:225 Resp: 1289

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

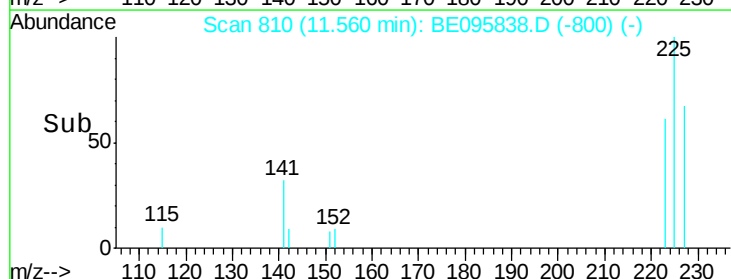
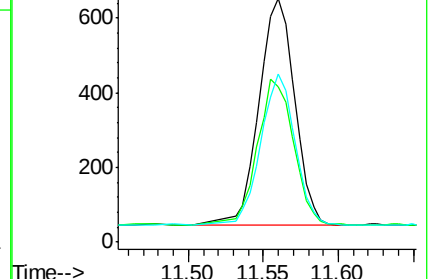
227 63.4 51.4 77.2

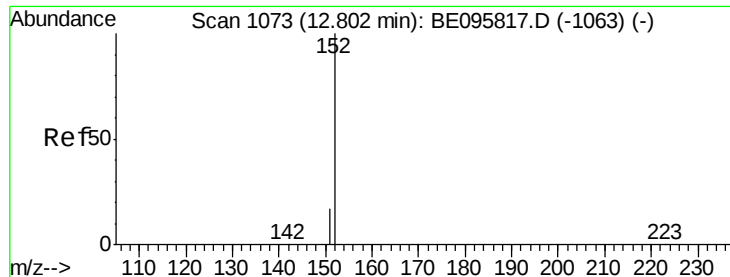


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

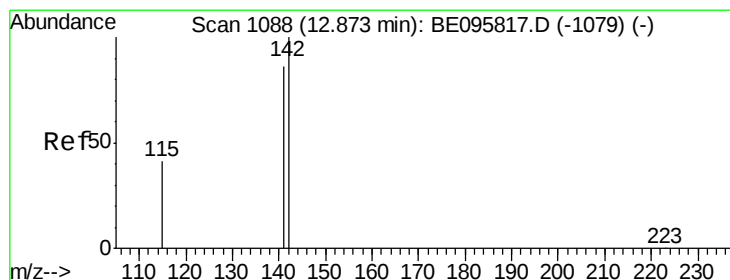
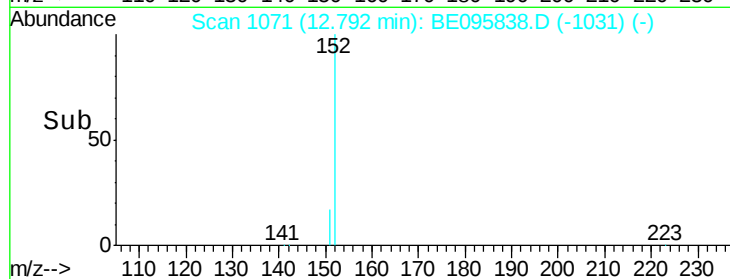
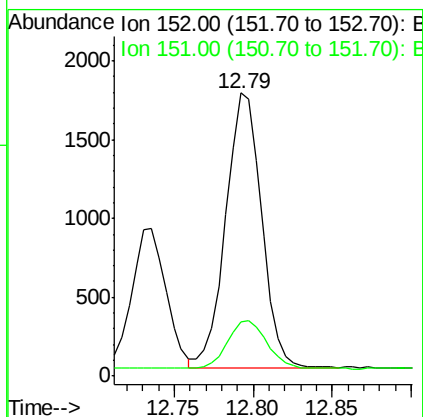
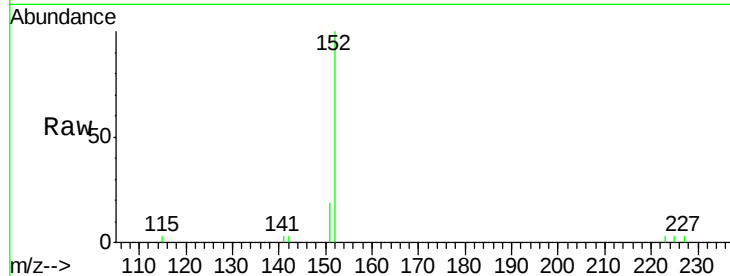




#11
 2-Methylnaphthalene-d10
 Concen: 0.386 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095838.D
 Acq: 26 Mar 2018 13:51

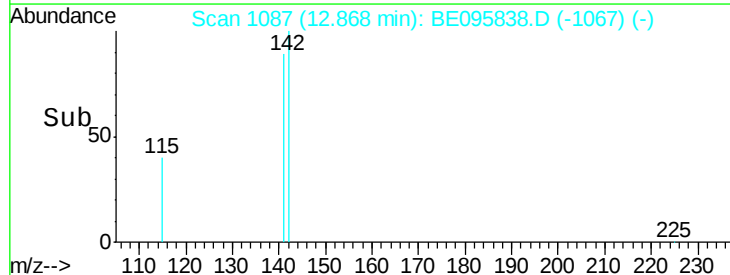
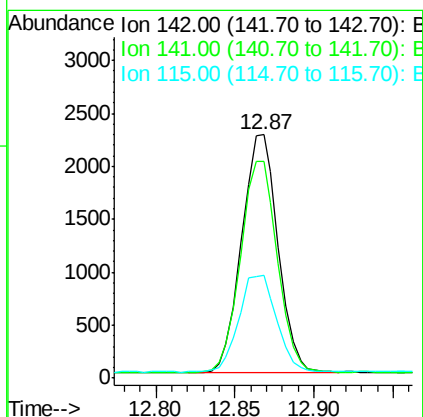
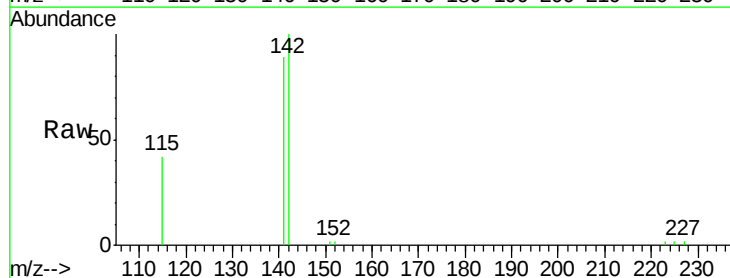
Instrument :
 BNA_E
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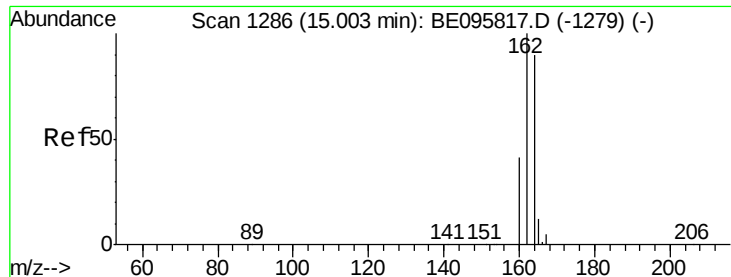
Tot Ion:152 Resp: 2729
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.436 ng
 RT: 12.87 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BE095838.D
 Acq: 26 Mar 2018 13:51

Tgt Ion:142 Resp: 3609
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6
 115 42.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

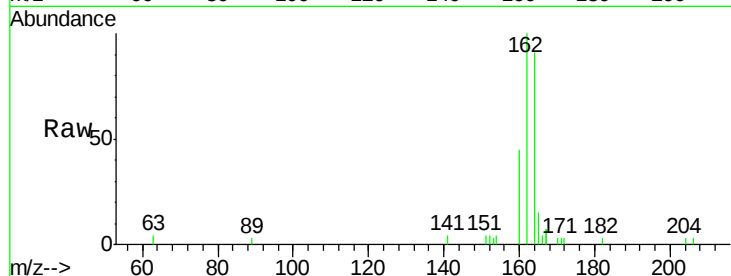
Tot Ion:164 Resp: 2352

Ion Ratio Lower Upper

164 100

162 110.3 83.1 124.7

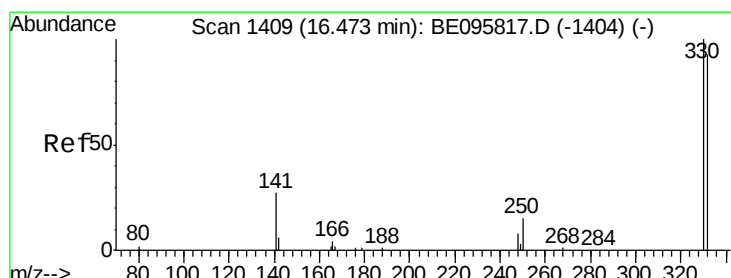
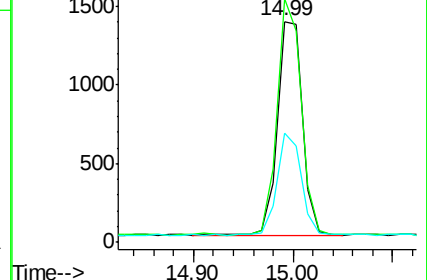
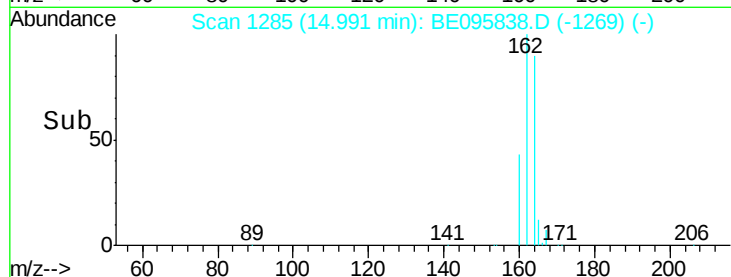
160 49.7 37.1 55.7



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: 0.390 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

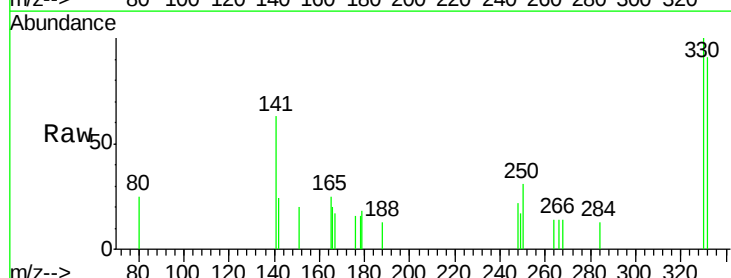
Tgt Ion:330 Resp: 530

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

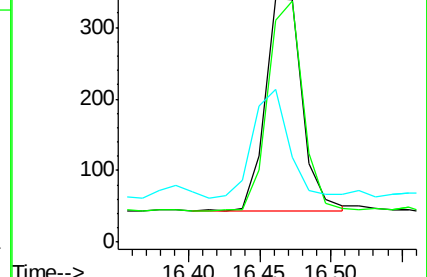
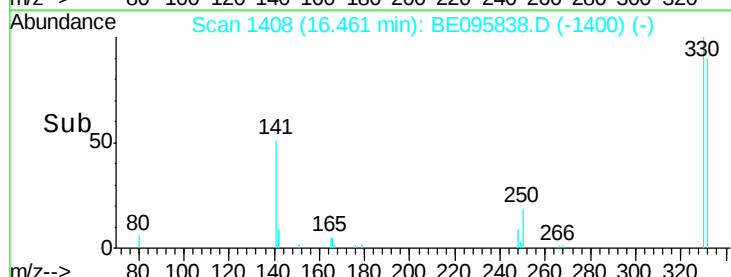
141 50.0 33.7 50.5

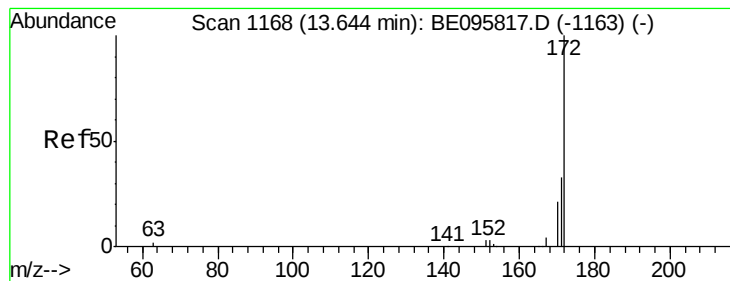


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.599 ng

RT: 13.63 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

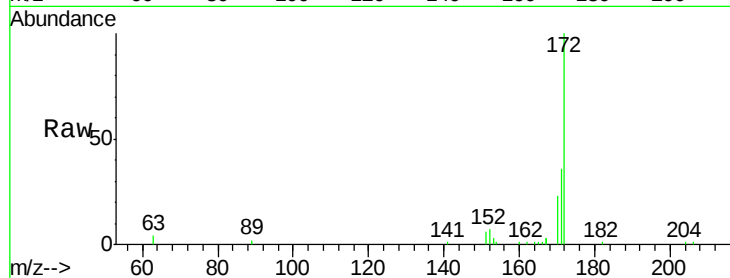
Tot Ion:172 Resp: 5933

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

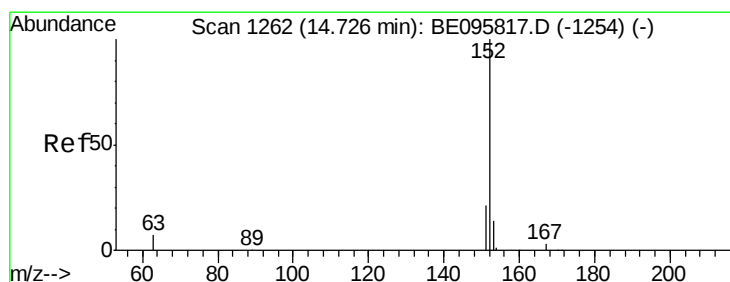
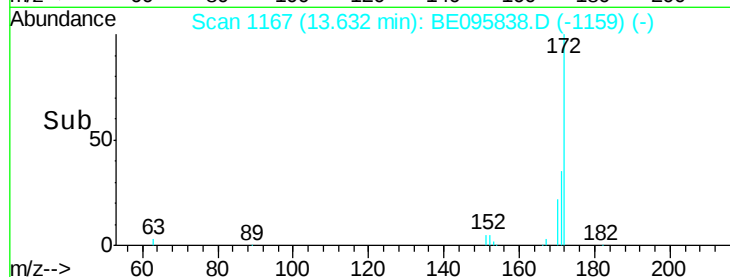
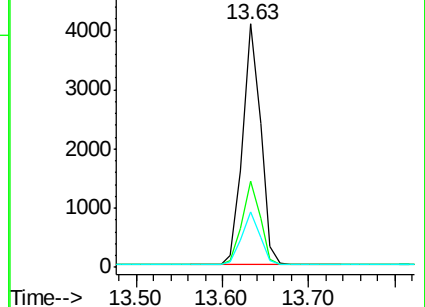
170 22.8 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.404 ng

RT: 14.73 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

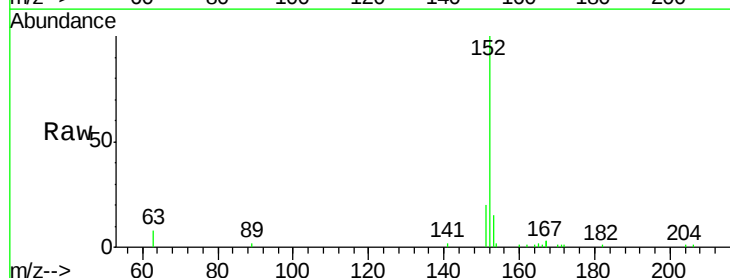
Tgt Ion:152 Resp: 5437

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

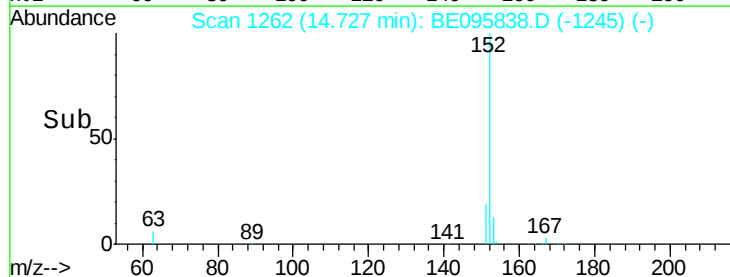
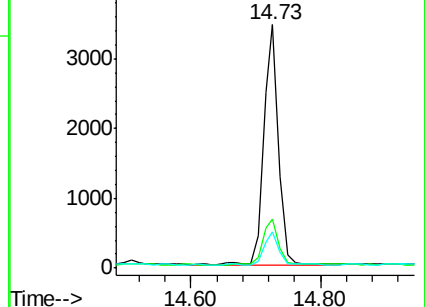
153 13.5 10.5 15.7

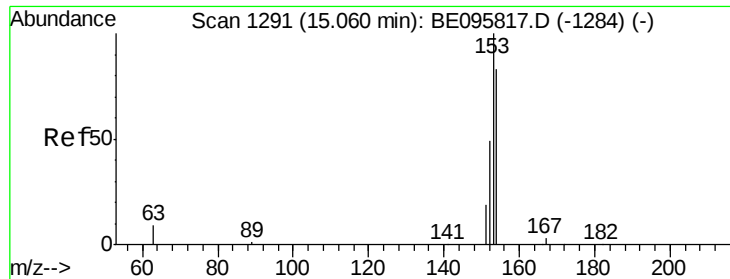


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.399 ng

RT: 15.06 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

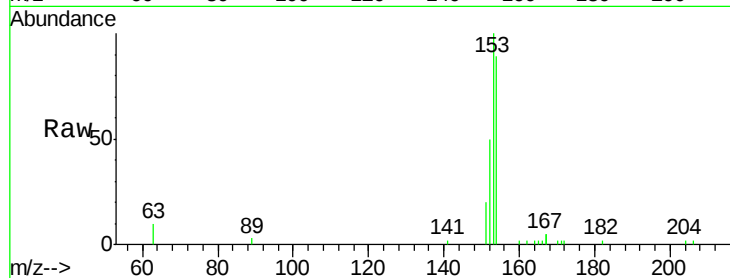
Tot Ion:154 Resp: 3277

Ion Ratio Lower Upper

154 100

153 114.4 89.2 133.8

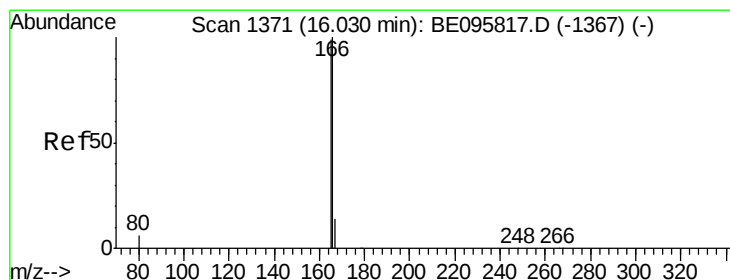
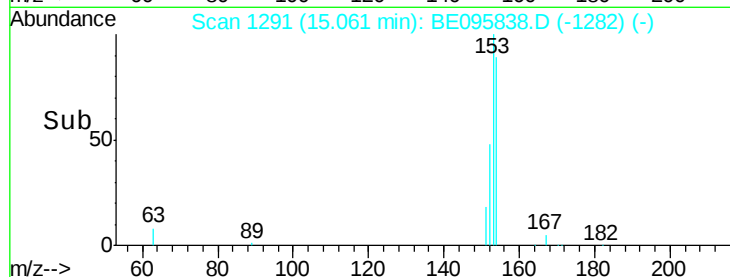
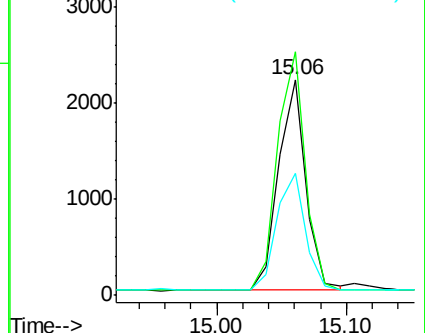
152 57.4 42.0 63.0



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: 0.396 ng

RT: 16.02 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

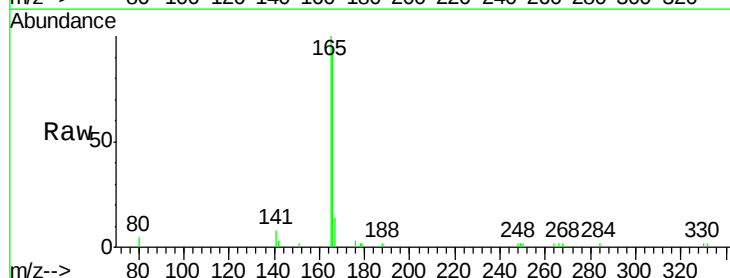
Tgt Ion:166 Resp: 4275

Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.6

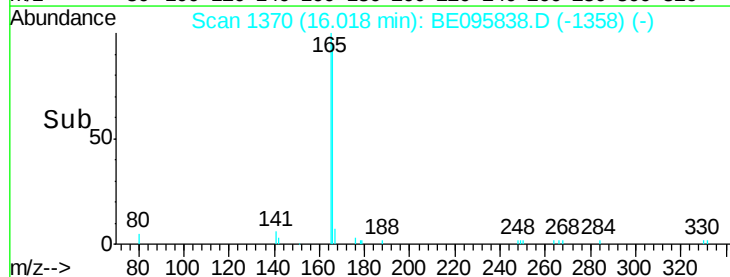
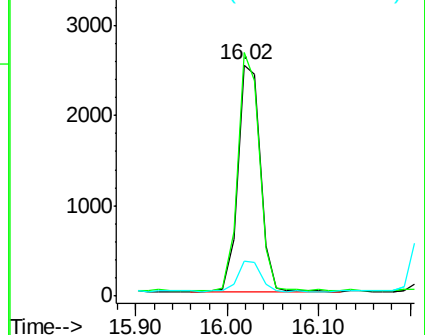
167 14.2 42.4 63.6#

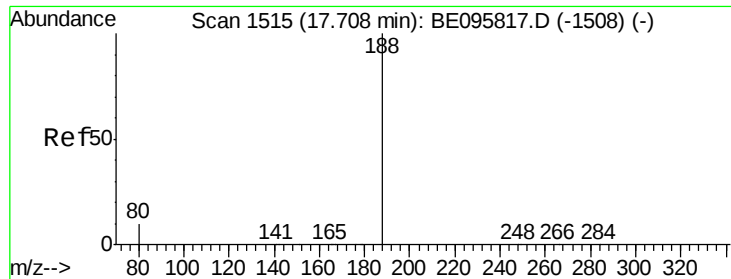


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

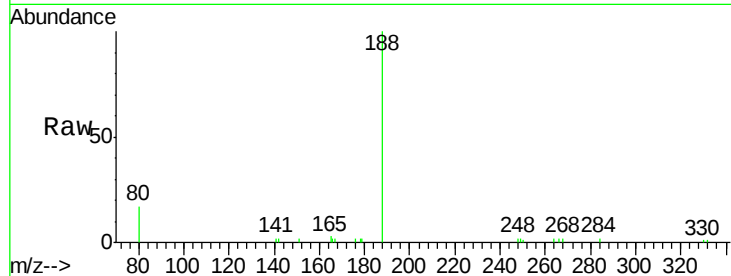
Tot Ion:188 Resp: 5431

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

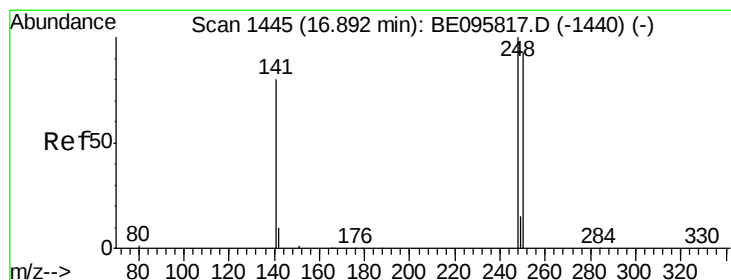
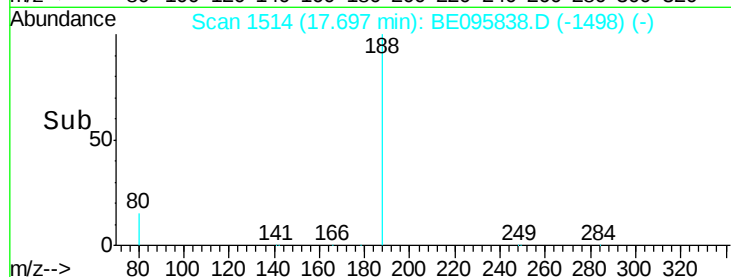
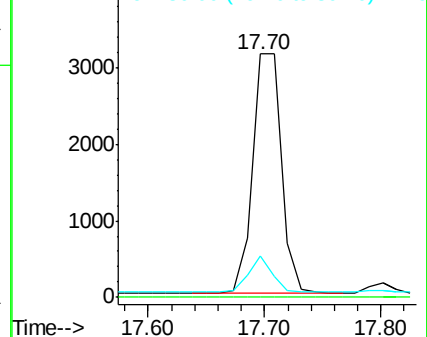
80 16.9 3.6 5.4#



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: 0.422 ng

RT: 16.89 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

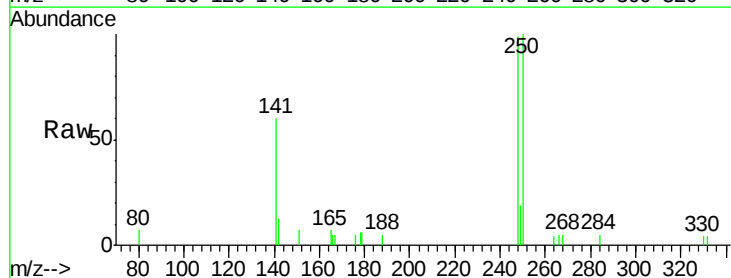
Tgt Ion:248 Resp: 1378

Ion Ratio Lower Upper

248 100

250 101.0 62.7 94.1#

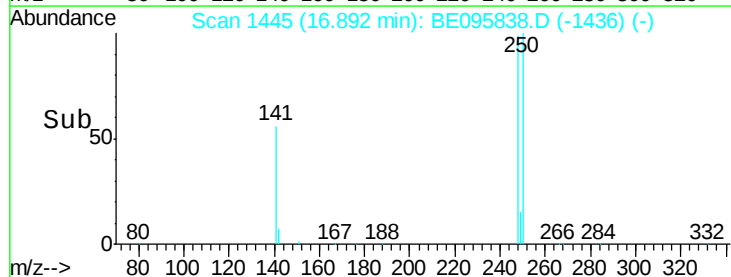
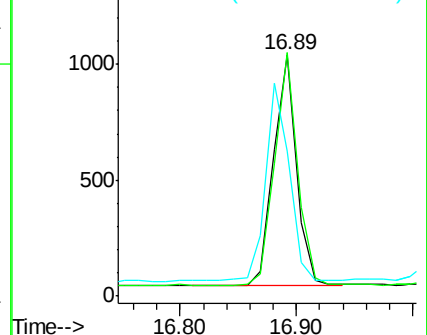
141 60.3 48.2 72.2

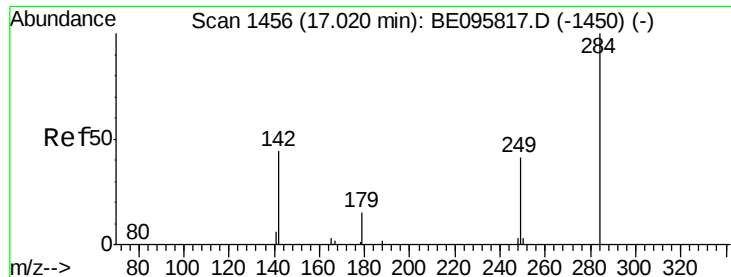


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.408 ng

RT: 17.02 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

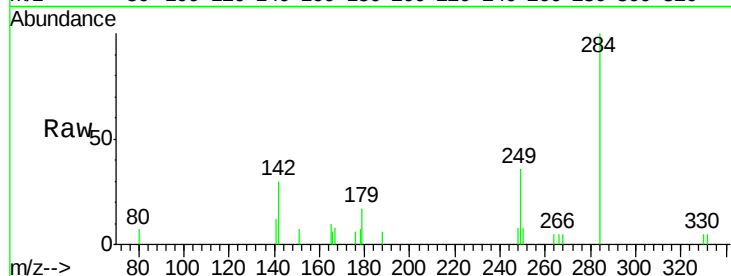
Tot Ion:284 Resp: 1331

Ion Ratio Lower Upper

284 100

142 42.3 22.1 33.1#

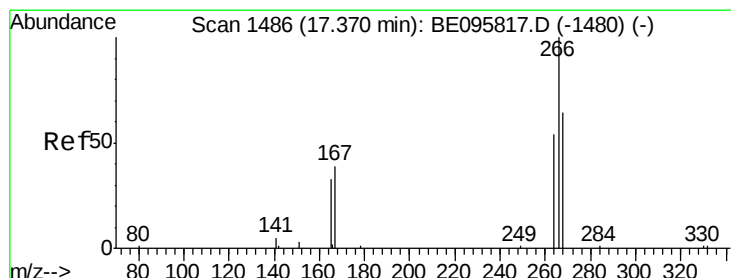
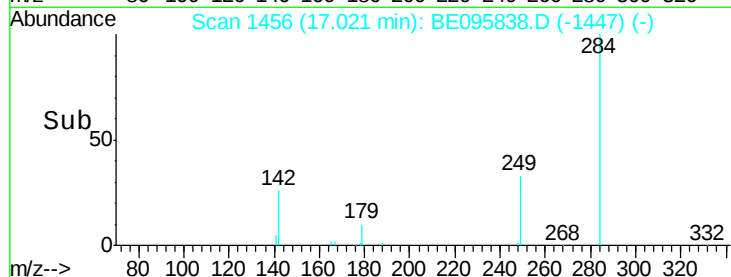
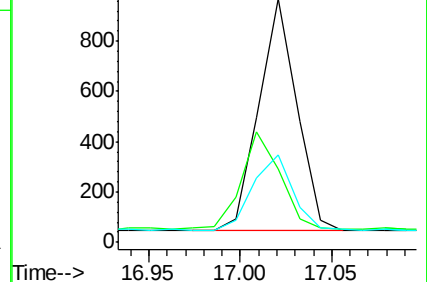
249 34.0 34.8 52.2#



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: 1.001 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

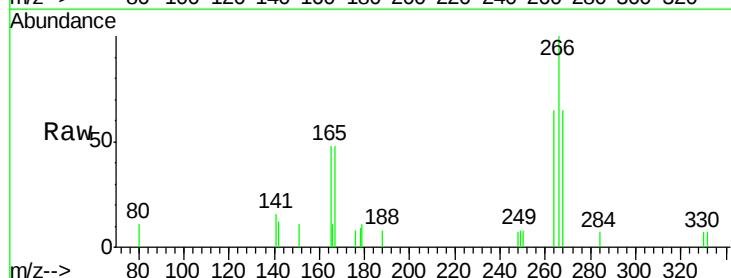
Tgt Ion:266 Resp: 1071

Ion Ratio Lower Upper

266 100

264 65.3 72.5 108.7#

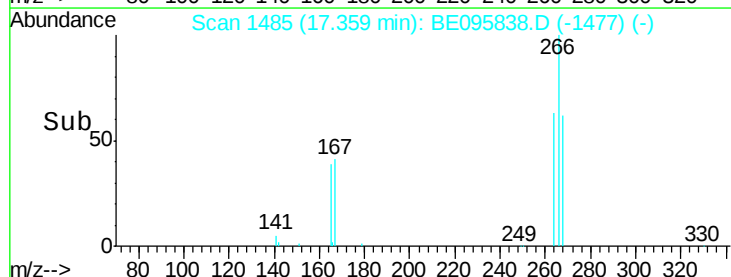
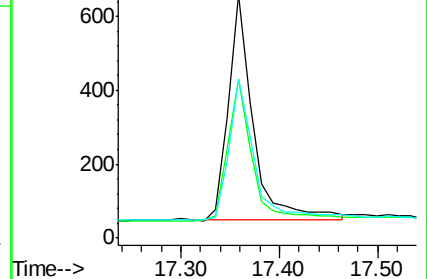
268 65.3 73.8 110.6#

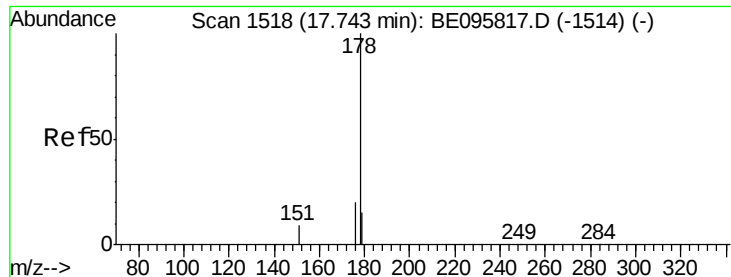


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.436 ng

RT: 17.74 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

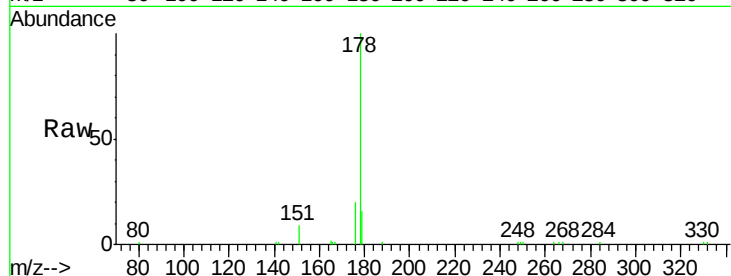
Tot Ion:178 Resp: 7081

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

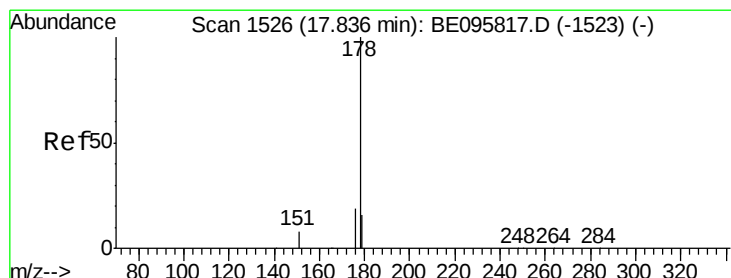
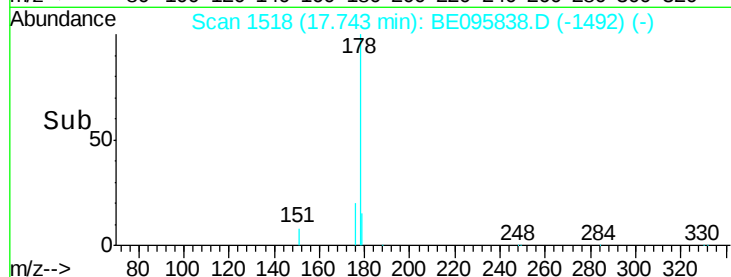
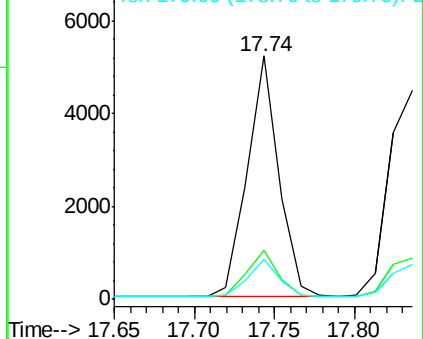
179 15.3 11.8 17.6



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: 0.428 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

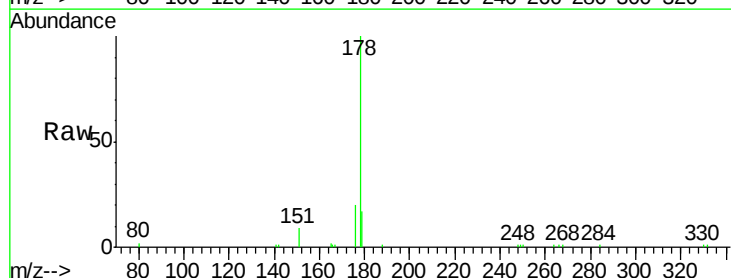
Tgt Ion:178 Resp: 6953

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

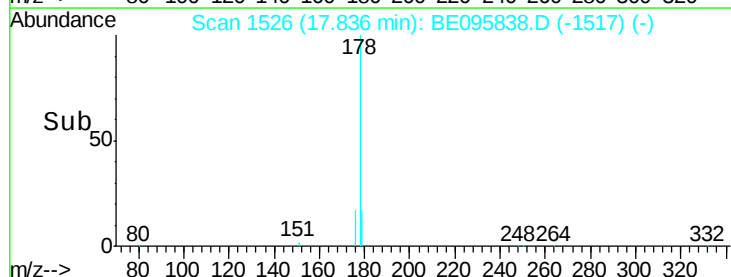
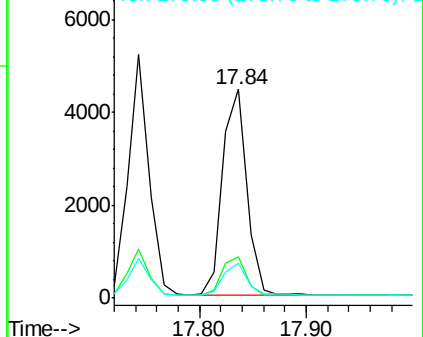
179 15.1 13.0 19.6

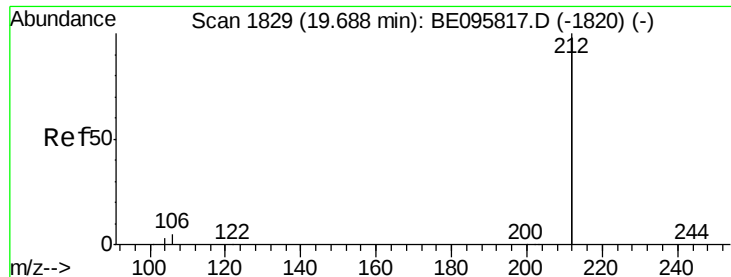


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

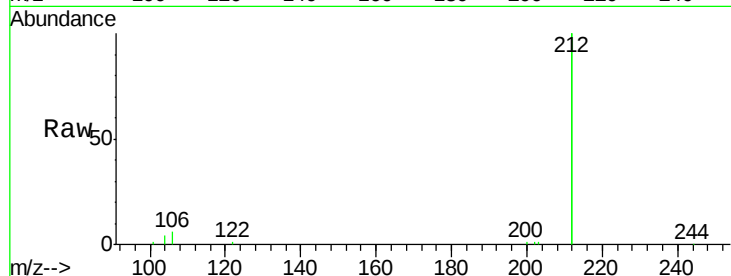
Tot Ion:212 Resp: 31072

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

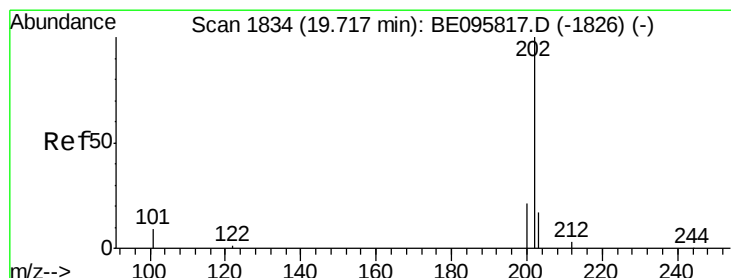
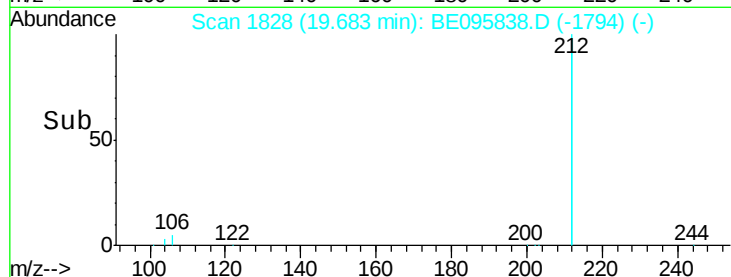
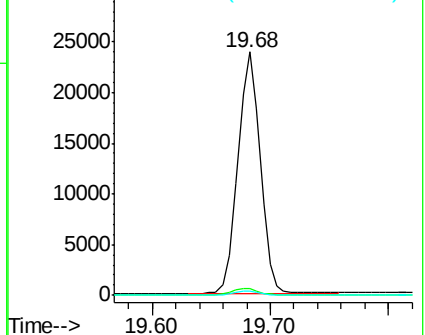
104 1.8 1.6 2.4



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: 0.417 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

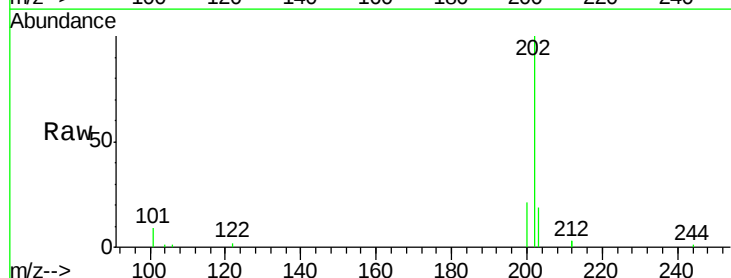
Tgt Ion:202 Resp: 9410

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

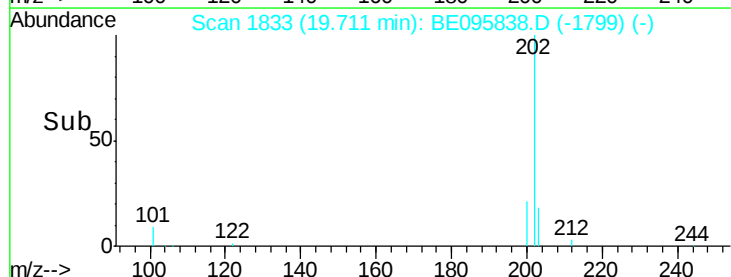
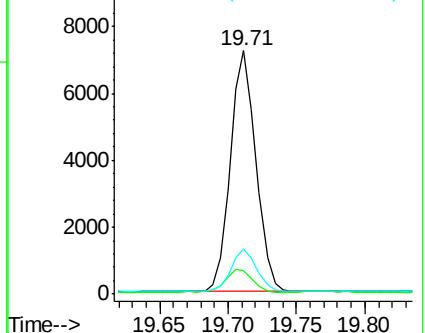
203 17.5 13.7 20.5

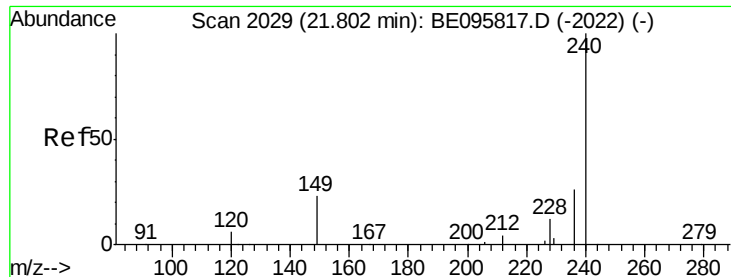


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

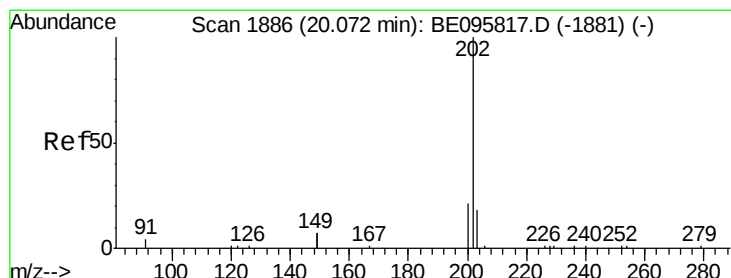
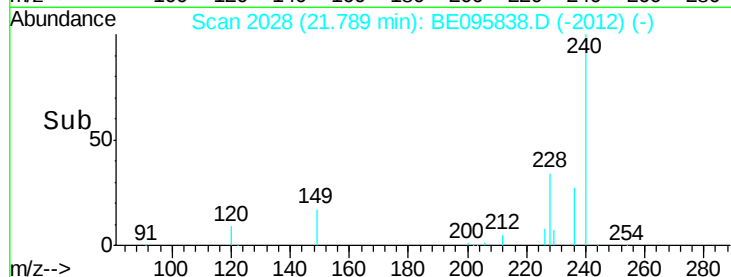
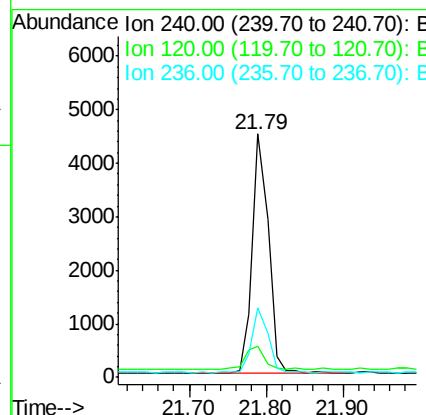
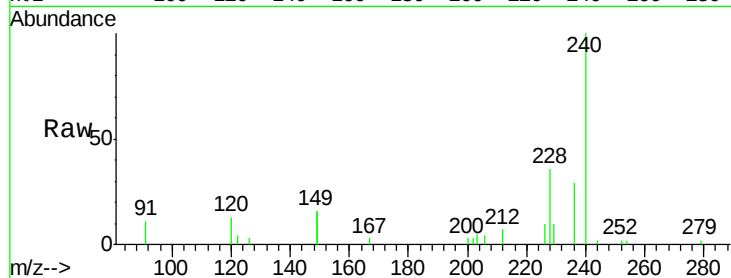




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

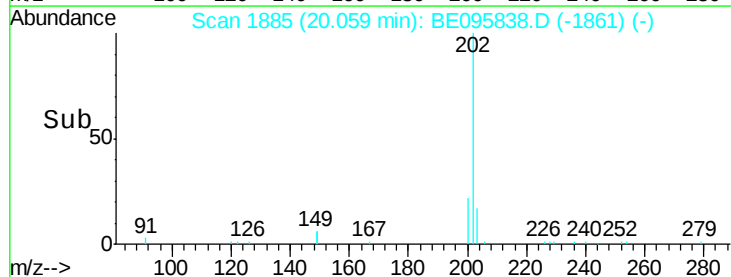
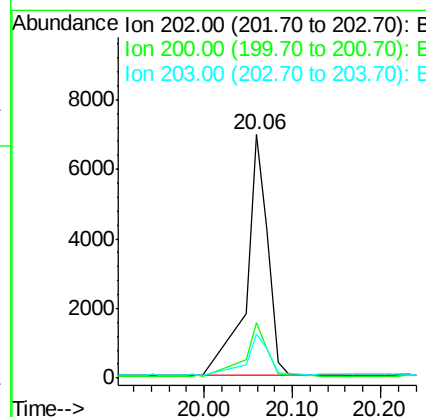
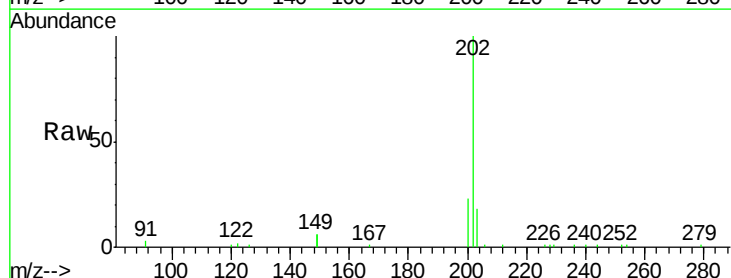
Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

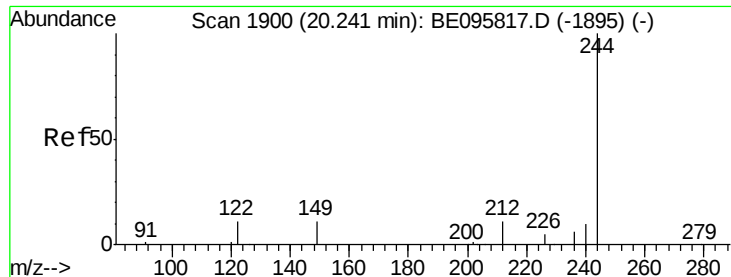
Tot Ion:240 Resp: 6515
Ion Ratio Lower Upper
240 100
120 12.8 5.5 8.3#
236 28.7 20.7 31.1



#28
Pyrene
Concen: 0.430 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:202 Resp: 11422
Ion Ratio Lower Upper
202 100
200 21.5 16.6 25.0
203 15.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.600 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

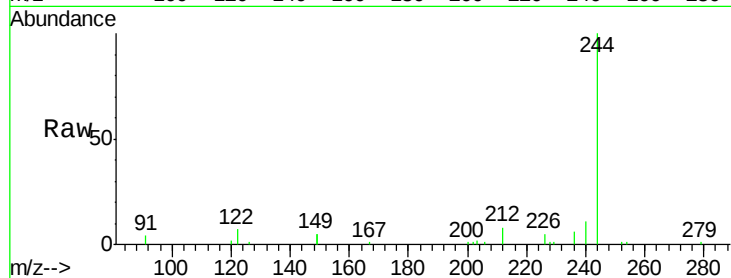
Tot Ion:244 Resp: 8298

Ion Ratio Lower Upper

244 100

212 8.0 25.4 38.0#

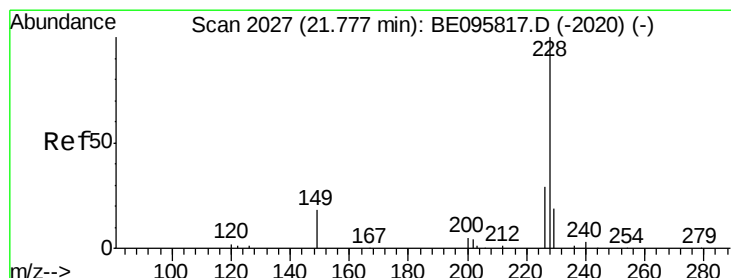
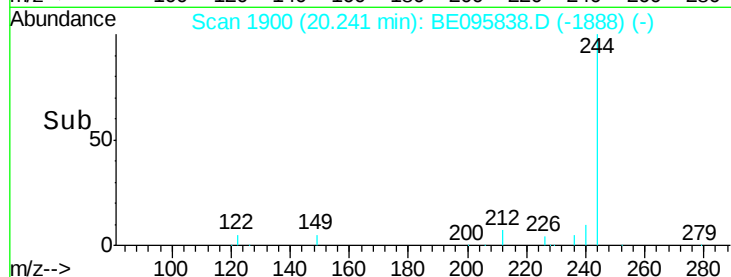
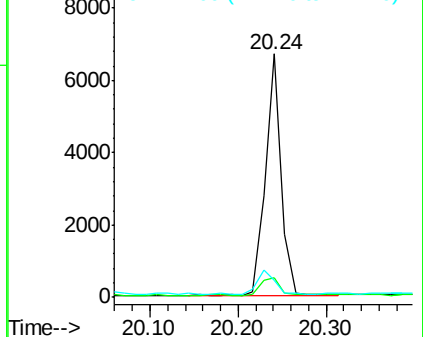
122 6.9 8.1 12.1#



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: 0.425 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

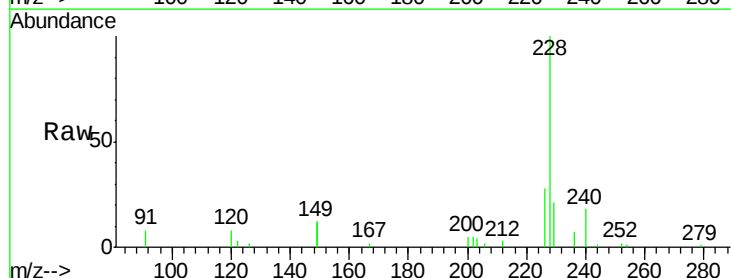
Tgt Ion:228 Resp: 9613

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

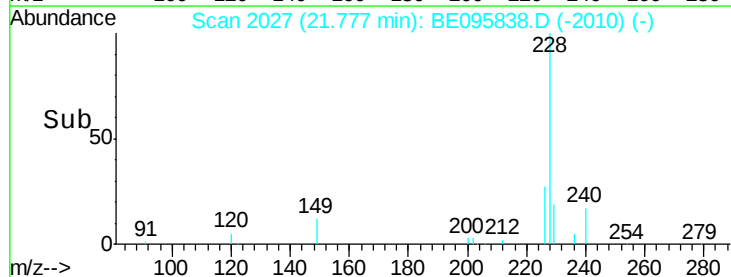
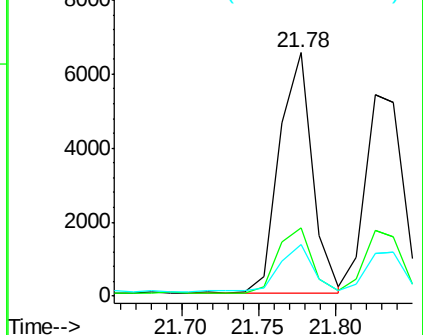
229 21.2 16.0 24.0

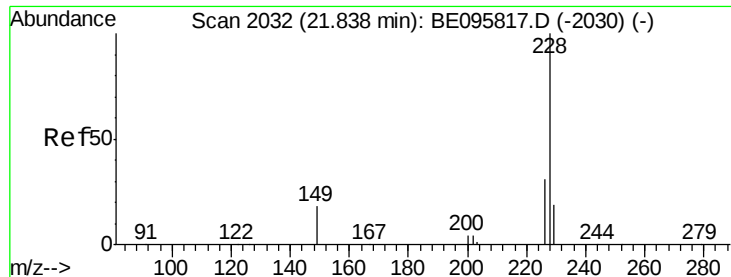


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

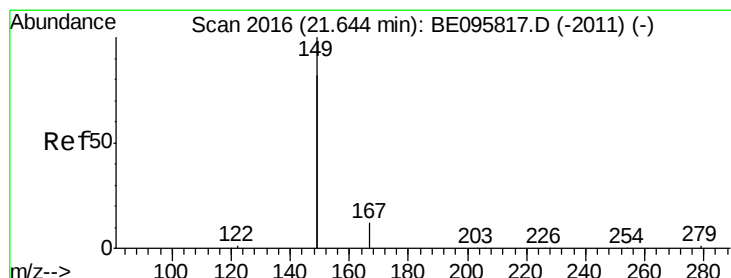
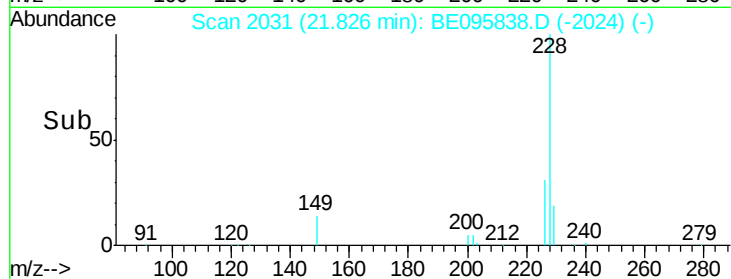
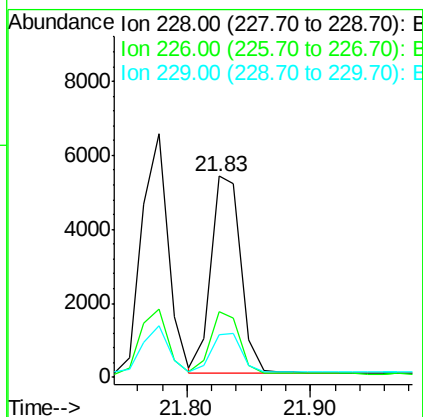
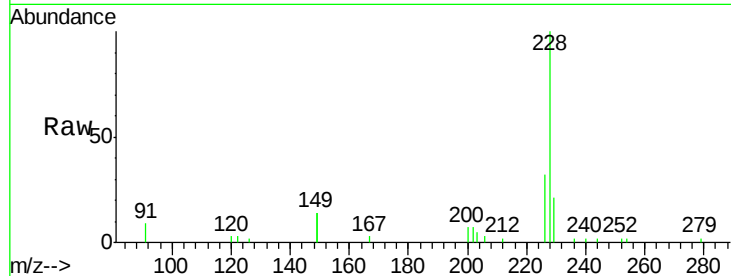




#31
Chrysene
Concen: 0.438 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

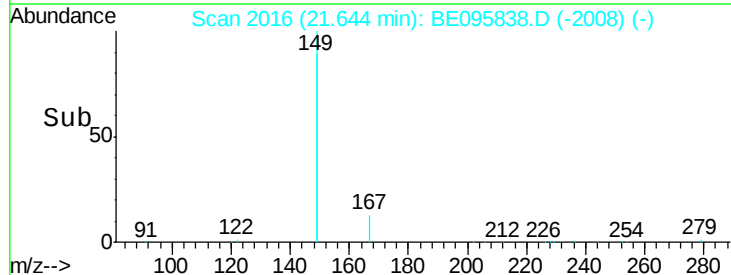
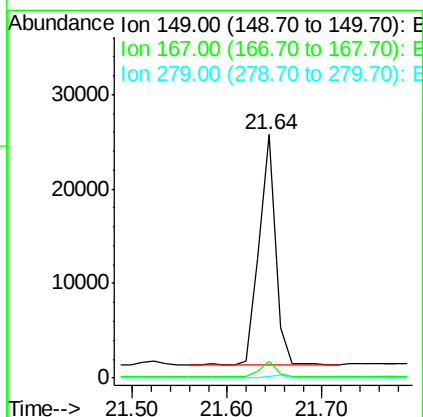
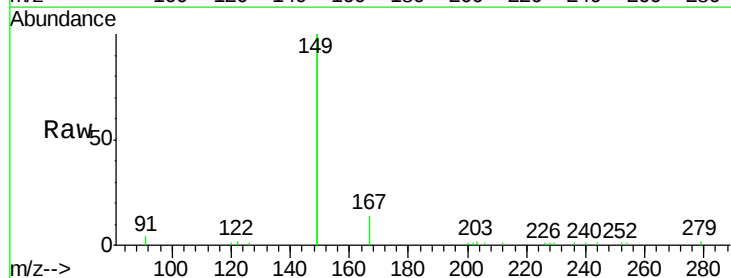
Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

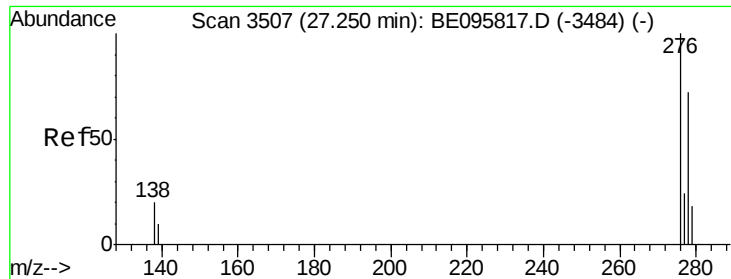
Tot Ion:228 Resp: 9035
Ion Ratio Lower Upper
228 100
226 32.5 24.0 36.0
229 21.4 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.426 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:149 Resp: 29430
Ion Ratio Lower Upper
149 100
167 7.0 5.4 8.0
279 0.9 0.7 1.1

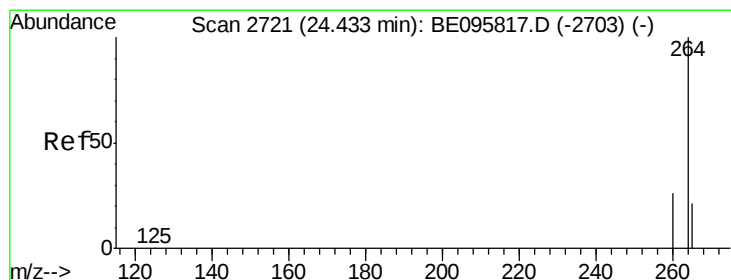
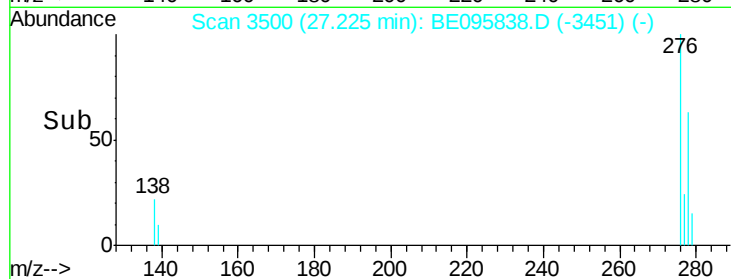
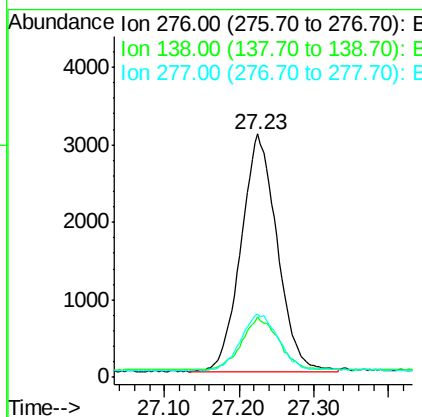
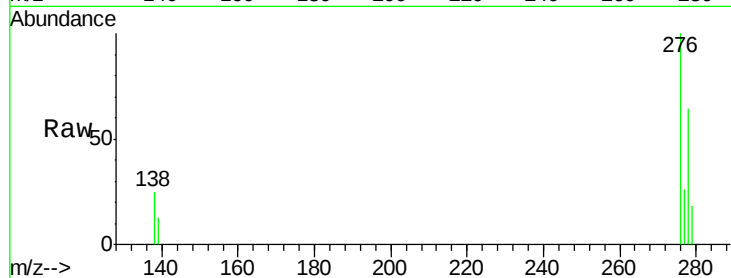




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.463 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.03 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

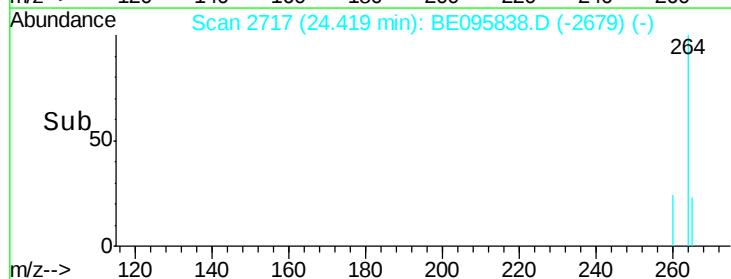
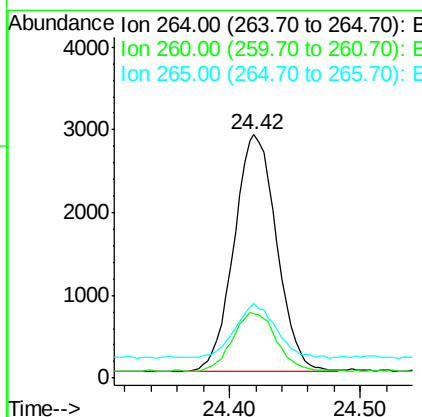
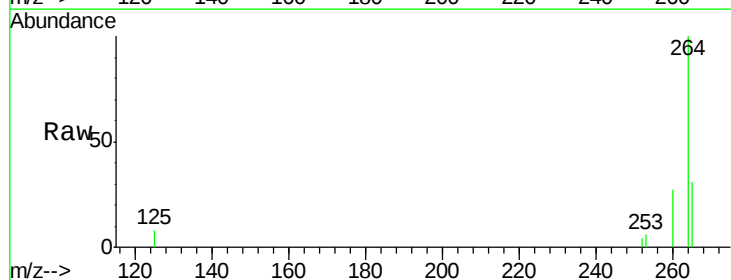
Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

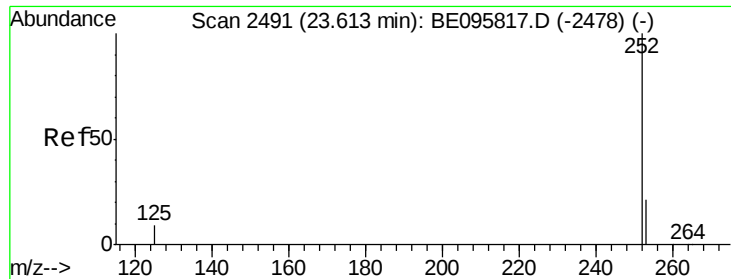
Tot Ion:276 Resp: 10281
Ion Ratio Lower Upper
276 100
138 22.0 22.5 33.7#
277 24.0 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:264 Resp: 6457
Ion Ratio Lower Upper
264 100
260 26.7 20.5 30.7
265 30.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.436 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

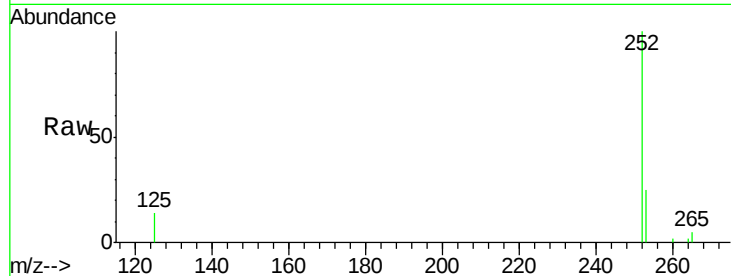
Tot Ion:252 Resp: 9314

Ion Ratio Lower Upper

252 100

253 24.6 20.0 30.0

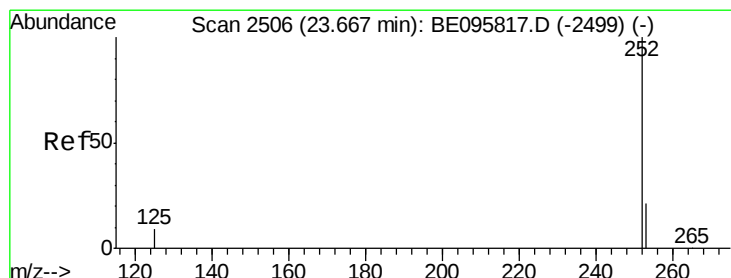
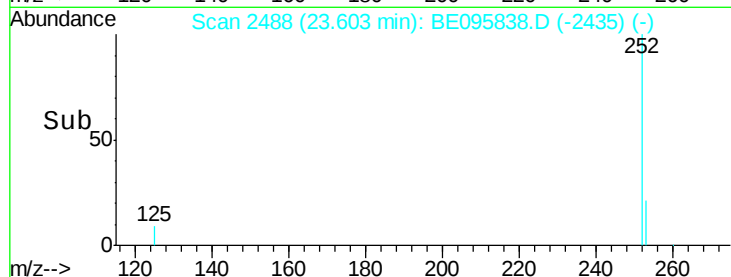
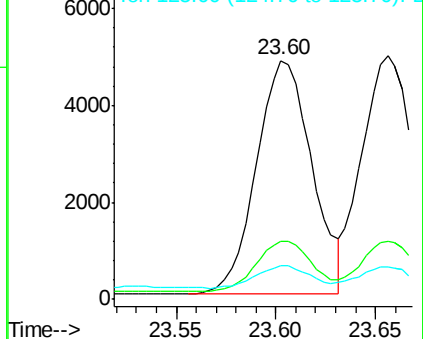
125 13.9 16.0 24.0#



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: 0.424 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

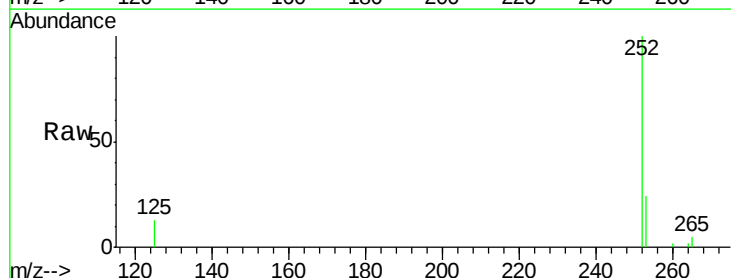
Tgt Ion:252 Resp: 9058

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

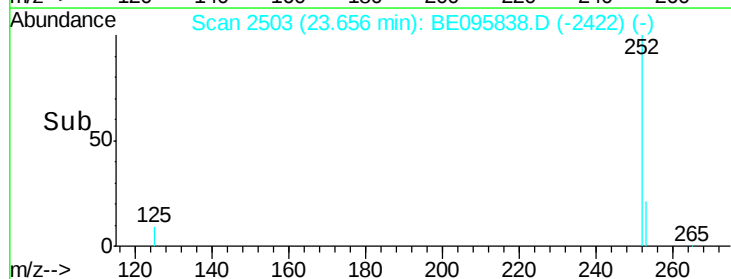
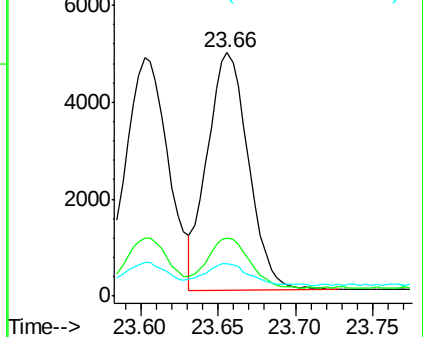
125 13.2 8.0 12.0#

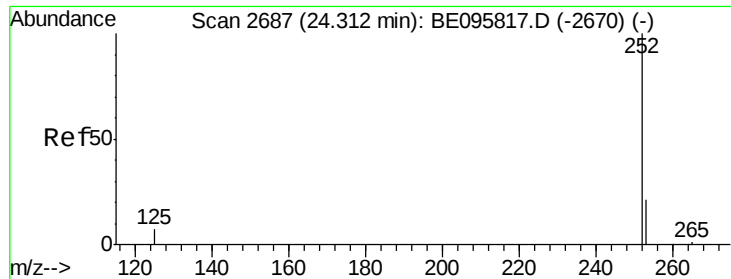


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.440 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS

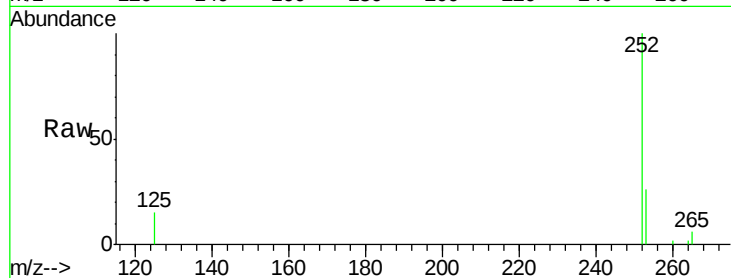
Tot Ion:252 Resp: 8803

Ion Ratio Lower Upper

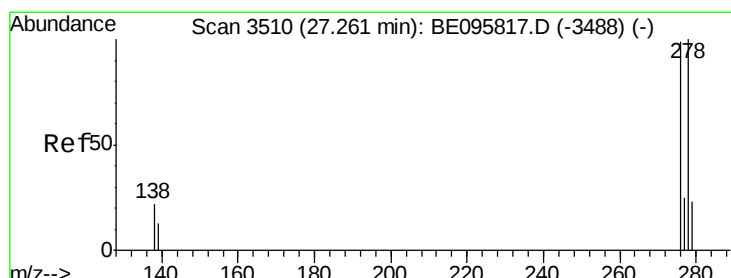
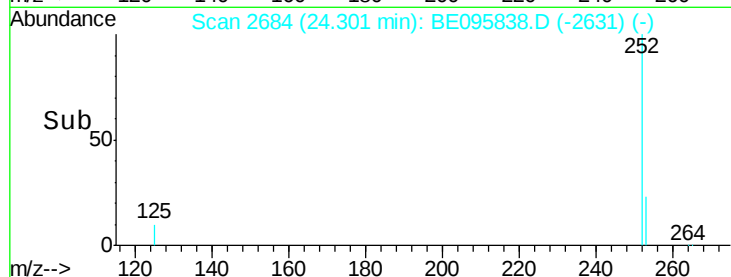
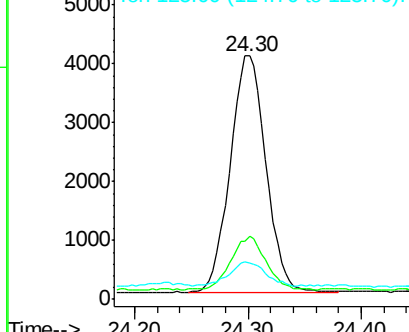
252 100

253 26.0 16.0 24.0#

125 15.2 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: 0.443 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.02 min

Lab File: BE095838.D

Acq: 26 Mar 2018 13:51

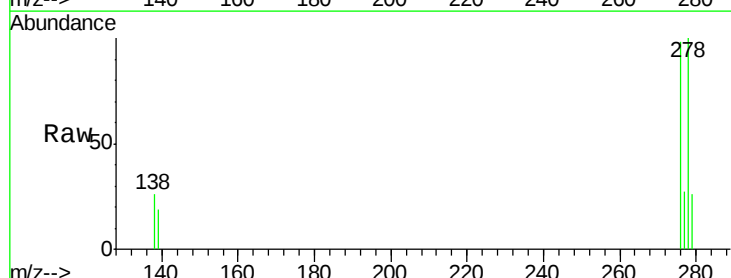
Tgt Ion:278 Resp: 8418

Ion Ratio Lower Upper

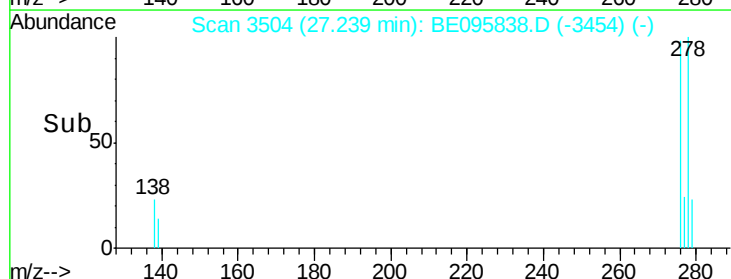
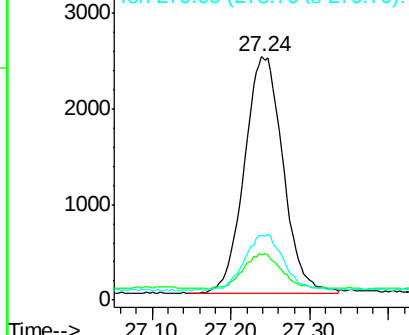
278 100

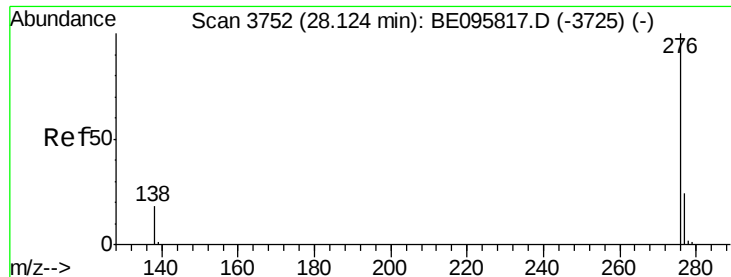
139 18.7 16.0 24.0

279 26.3 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: 0.451 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.03 min

Lab File: BE095838.D

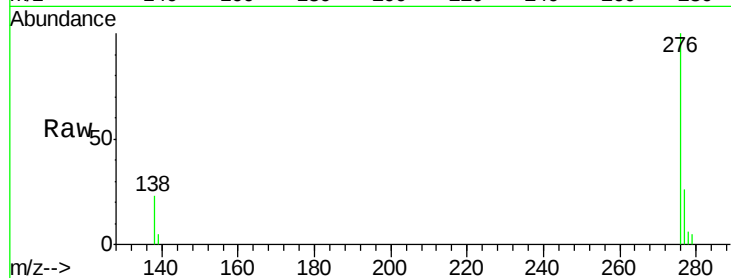
Acq: 26 Mar 2018 13:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-031918MS



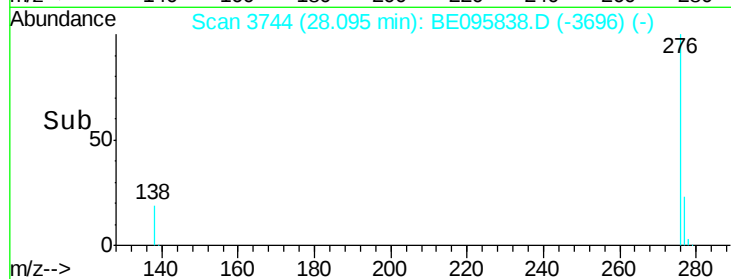
Tot Ion: 276 Resp: 8612

Ion Ratio Lower Upper

276 100

277 25.9 16.0 24.0#

138 22.9 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

