

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095846.D
 Acq On : 26 Mar 2018 18:37
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:42:28 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	1087	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4213	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2519	0.40	ng	0.00
19) Phenanthrene-d10	17.70	188	6556	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7828	0.40	ng	-0.01
34) Perylene-d12	24.41	264	7302	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1380	0.39	ng	0.00
5) Phenol-d6	7.56	99	1961	0.40	ng	0.00
8) Nitrobenzene-d5	9.59	82	1985	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2873	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	581	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	4285	0.40	ng	-0.01
25) Fluoranthene-d10	19.68	212	38927	0.40	ng	0.00
29) Terphenyl-d14	20.24	244	6504	0.39	ng	0.00

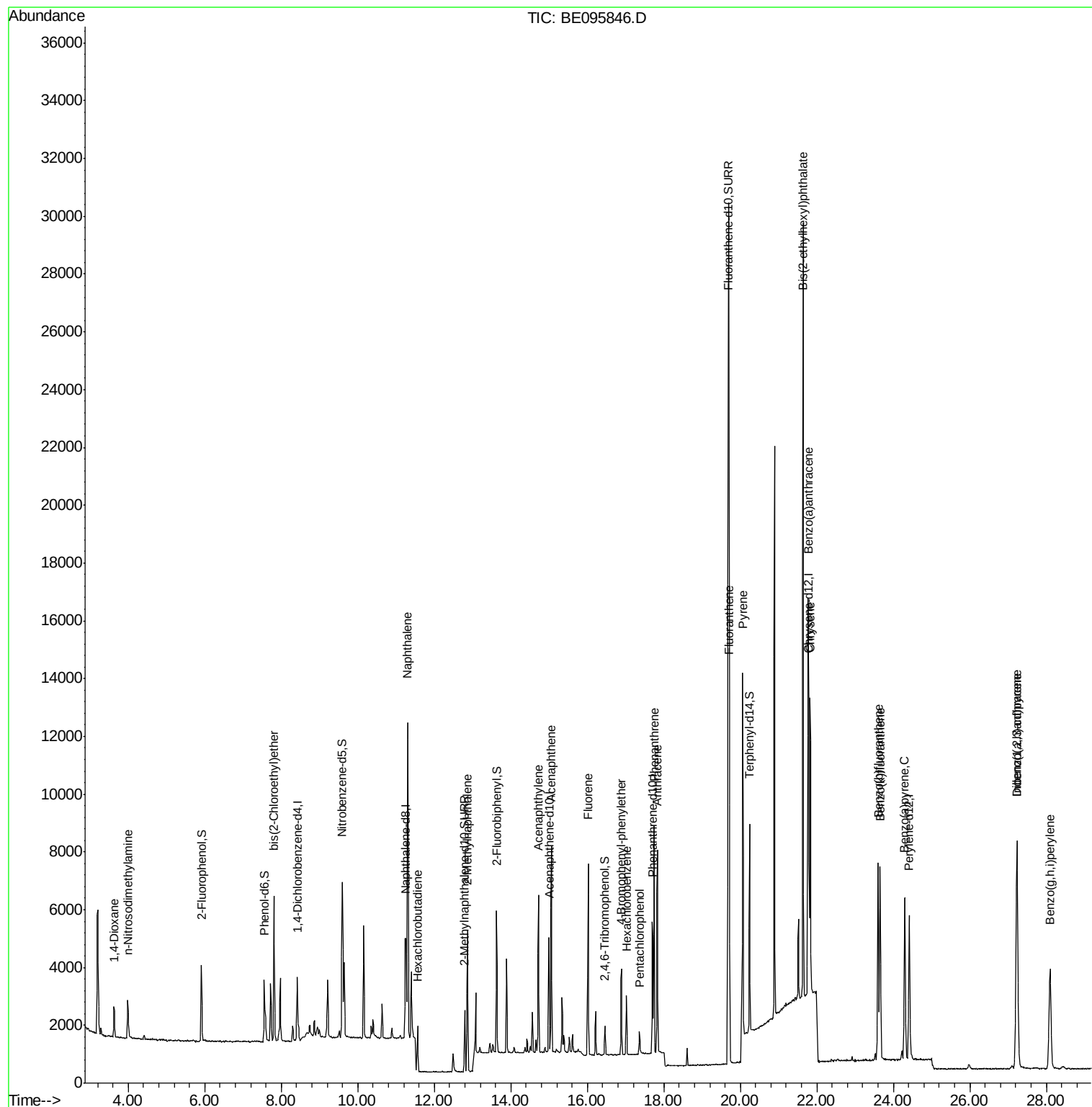
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	683	0.384	ng	91
3) n-Nitrosodimethylamine	3.99	42	1016	0.389	ng	81
6) bis(2-Chloroethyl)ether	7.81	93	1735	0.408	ng	91
9) Naphthalene	11.30	128	19585	0.407	ng	99
10) Hexachlorobutadiene	11.56	225	1290	0.390	ng	98
12) 2-Methylnaphthalene	12.87	142	3359	0.409	ng	98
16) Acenaphthylene	14.72	152	5733	0.398	ng	98
17) Acenaphthene	15.06	154	3521	0.401	ng	94
18) Fluorene	16.02	166	4624	0.400	ng	# 76
20) 4-Bromophenyl-phenylether	16.89	248	1513	0.384	ng	# 83
21) Hexachlorobenzene	17.02	284	1555	0.395	ng	# 80
22) Pentachlorophenol	17.36	266	462	0.442	ng	# 75
23) Phenanthrene	17.74	178	7962	0.406	ng	99
24) Anthracene	17.84	178	7690	0.392	ng	95
26) Fluoranthene	19.71	202	10982	0.403	ng	98
28) Pyrene	20.06	202	12716	0.399	ng	92
30) Benzo(a)anthracene	21.78	228	11000	0.405	ng	96
31) Chrysene	21.82	228	10121	0.409	ng	96
32) Bis(2-ethylhexyl)phthalate	21.64	149	30488	0.367	ng	100
33) Indeno(1,2,3-cd)pyrene	27.22	276	10649	0.399	ng	# 94
35) Benzo(b)fluoranthene	23.60	252	10098	0.418	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	10048	0.416	ng	# 92
37) Benzo(a)pyrene	24.30	252	9317	0.411	ng	# 92
38) Dibenzo(a,h)anthracene	27.23	278	8887	0.413	ng	97
39) Benzo(g,h,i)perylene	28.10	276	9016	0.417	ng	# 90

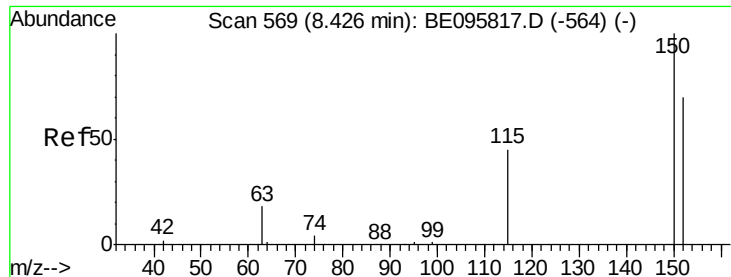
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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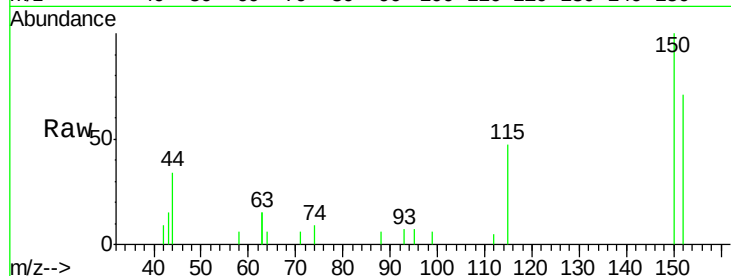


#1

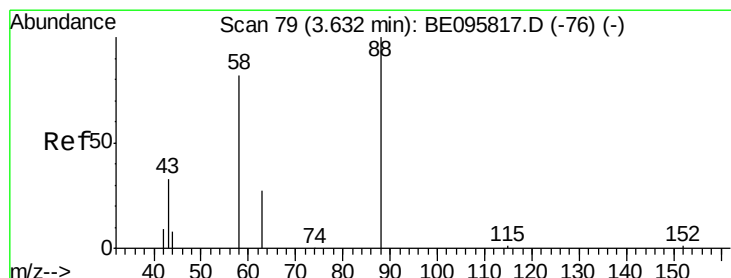
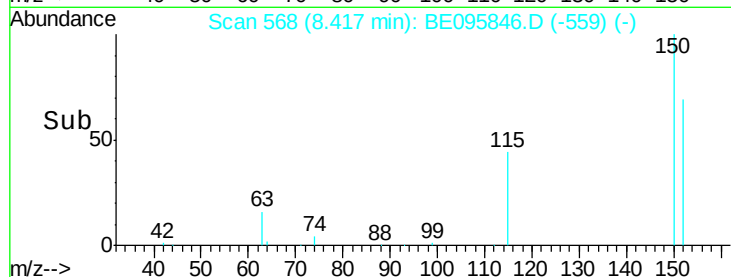
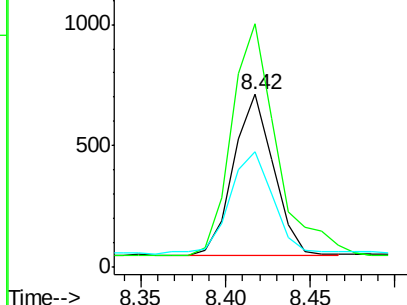
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1087
Ion Ratio Lower Upper
152 100
150 140.9 117.2 175.8
115 66.8 57.0 85.6



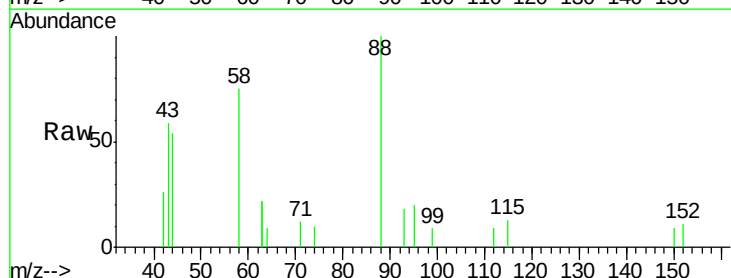
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



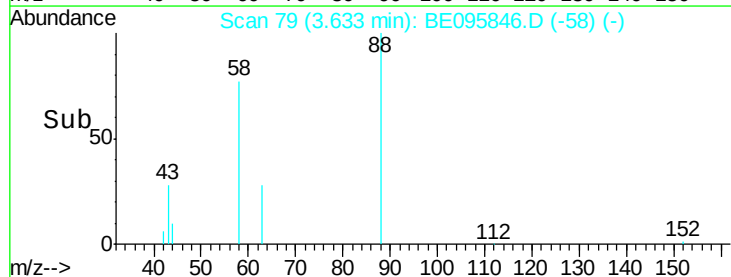
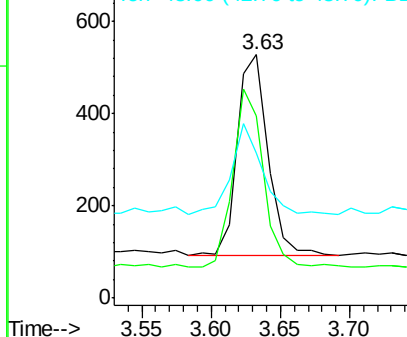
#2

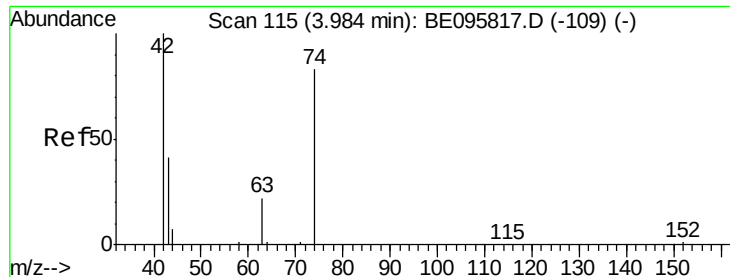
1,4-Dioxane
Concen: 0.384 ng
RT: 3.63 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

Tgt Ion: 88 Resp: 683
Ion Ratio Lower Upper
88 100
58 86.5 63.2 94.8
43 44.4 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



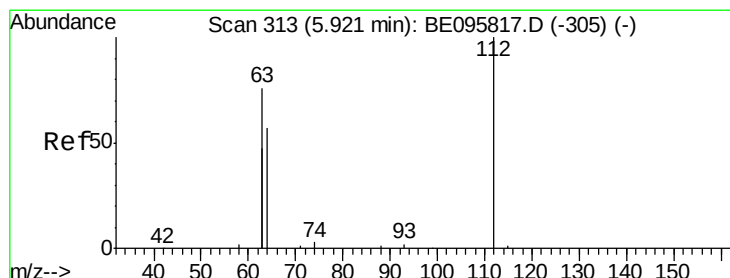
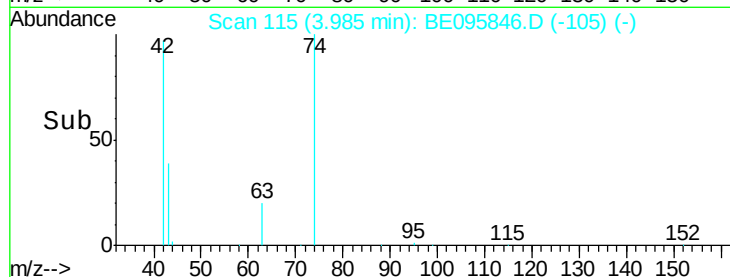
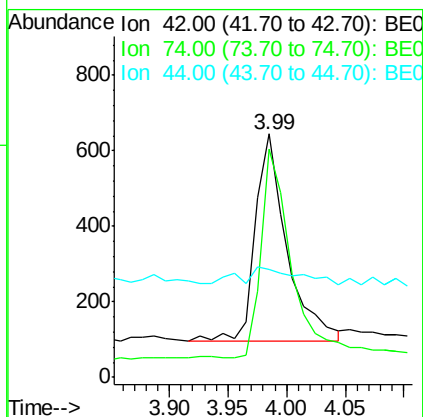
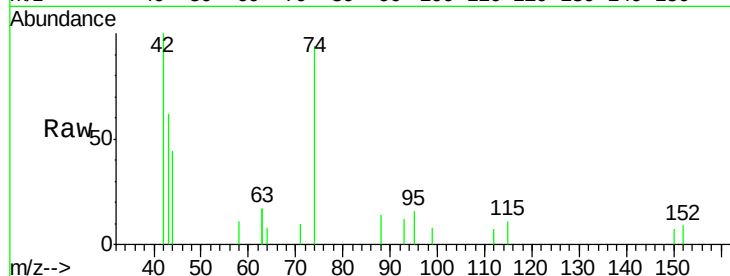


#3

n-Nitrosodimethylamine
 Concen: 0.389 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095846.D
 Acq: 26 Mar 2018 18:37

Instrument :
 BNA_E
 ClientSampleId :

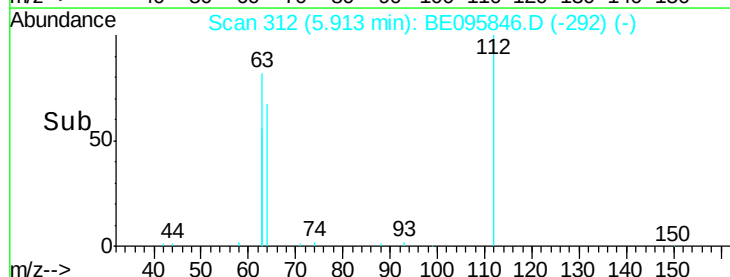
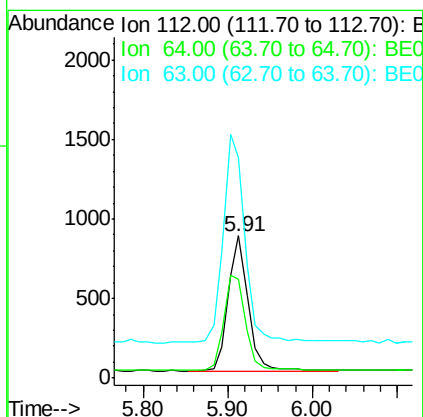
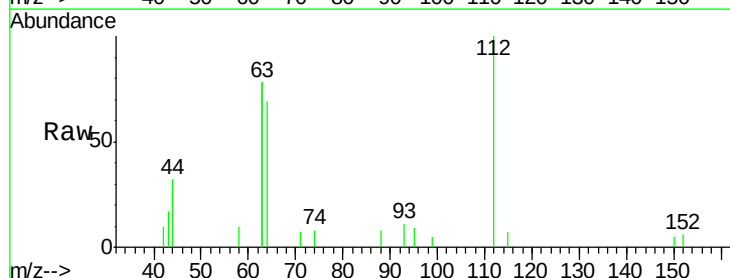
Tot Ion: 42 Resp: 1016
 Ion Ratio Lower Upper
 42 100
 74 96.8 96.0 144.0
 44 14.3 12.0 18.0

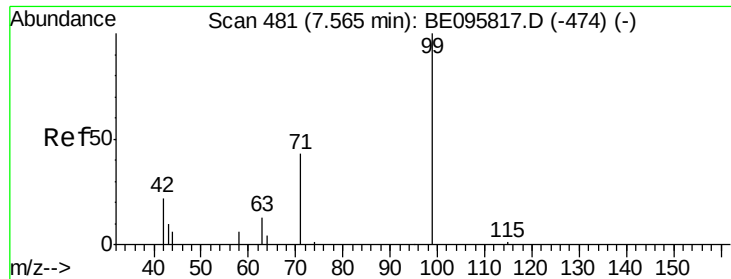


#4

2-Fluorophenol
 Concen: 0.385 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095846.D
 Acq: 26 Mar 2018 18:37

Tgt Ion: 112 Resp: 1380
 Ion Ratio Lower Upper
 112 100
 64 76.7 60.1 90.1
 63 171.6 116.8 175.2





#5

Phenol-d6

Concen: 0.398 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampled :

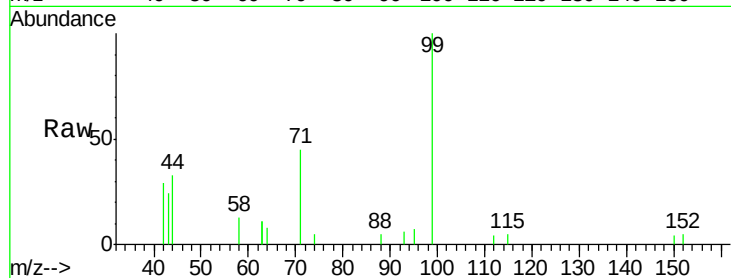
Tot Ion: 99 Resp: 1961

Ion Ratio Lower Upper

99 100

42 27.4 20.2 30.2

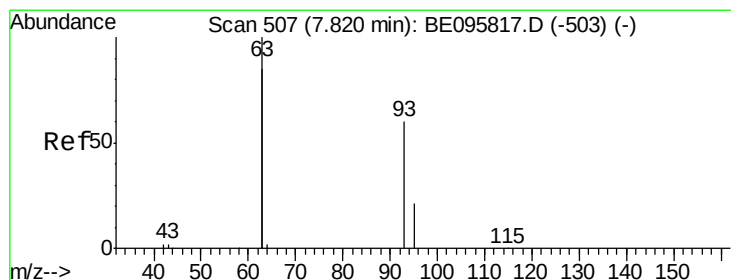
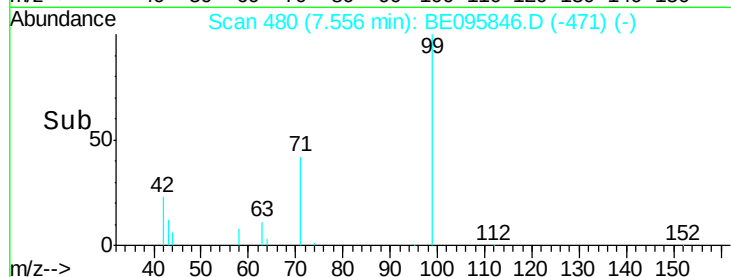
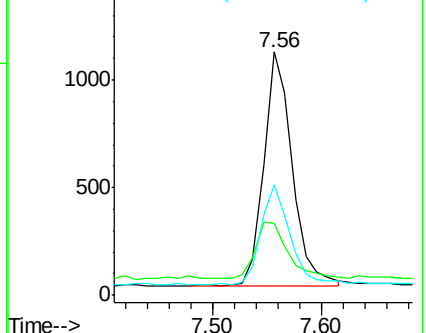
71 42.5 28.4 42.6



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: 0.408 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

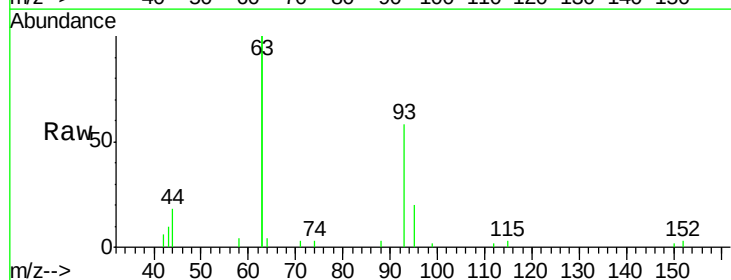
Tgt Ion: 93 Resp: 1735

Ion Ratio Lower Upper

93 100

63 324.3 275.3 412.9

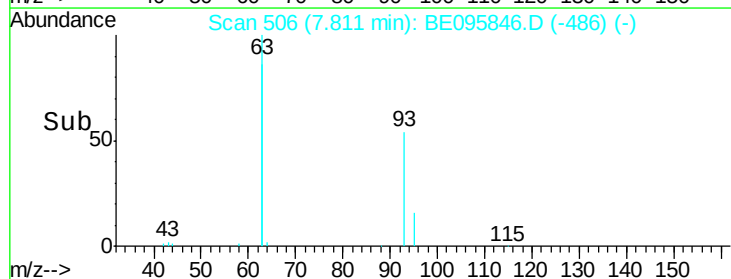
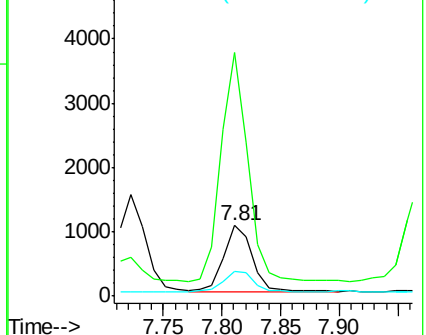
95 32.2 25.2 37.8

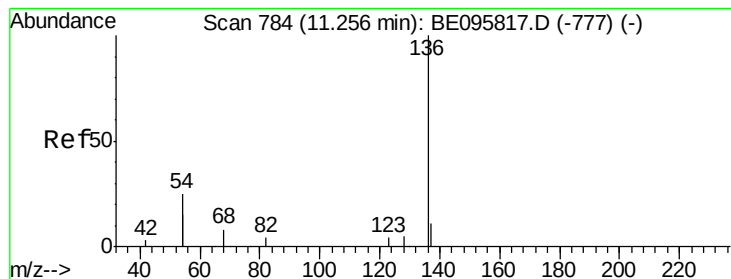


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4213

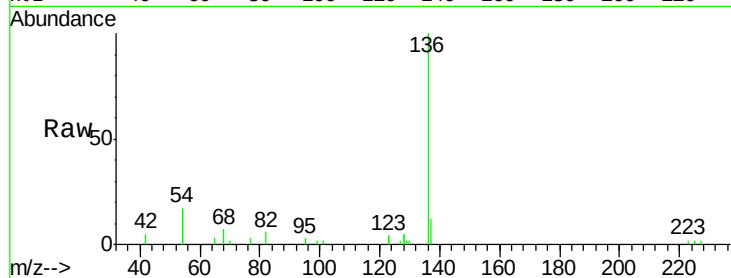
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 34.5 29.1 43.7

68 6.9 6.2 9.2

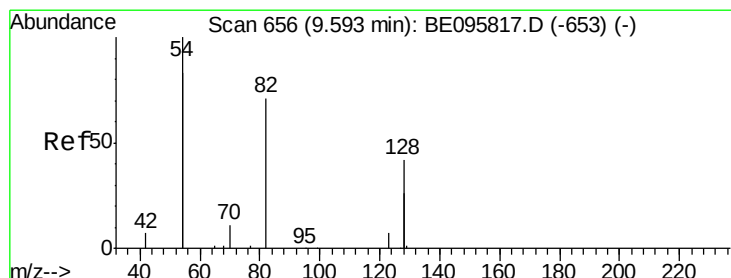
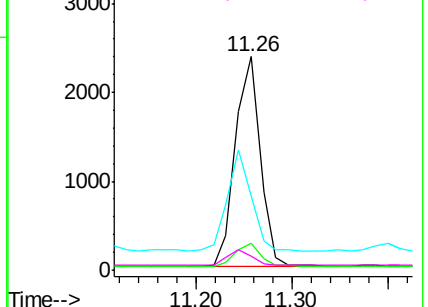
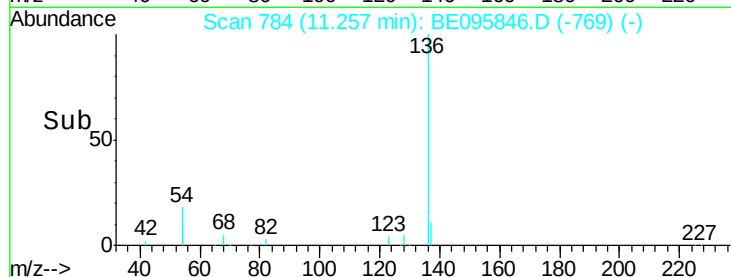


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

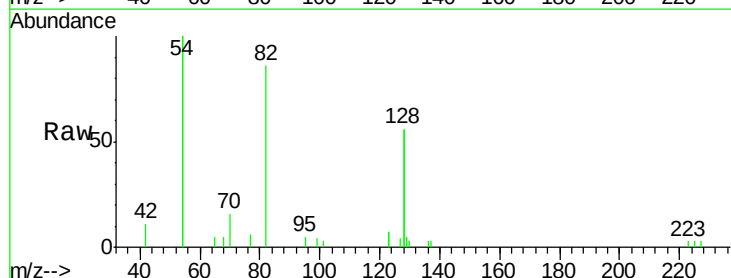
Tgt Ion: 82 Resp: 1985

Ion Ratio Lower Upper

82 100

128 130.5 150.0 225.0#

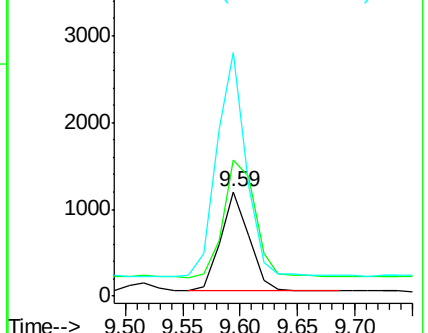
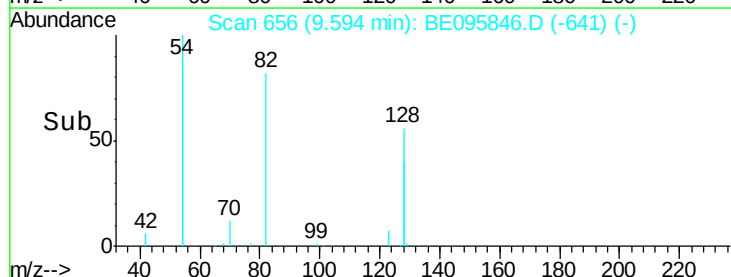
54 232.5 154.2 231.4#

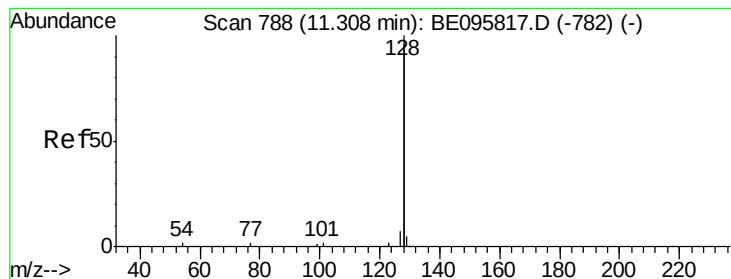


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.407 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

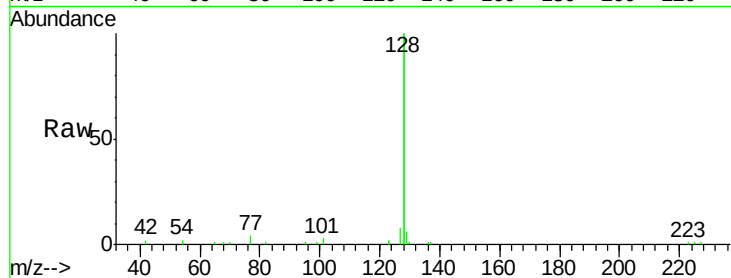
Tot Ion:128 Resp: 19585

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

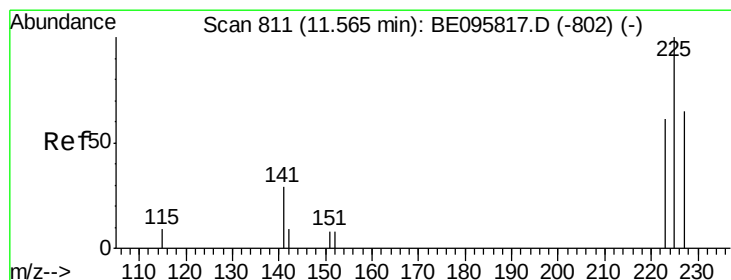
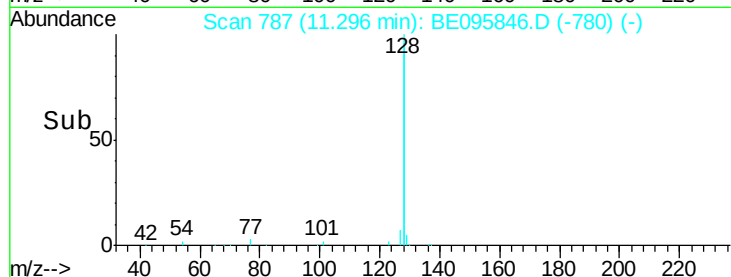
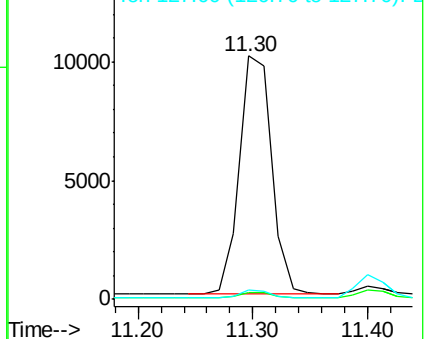
127 3.9 2.8 4.2



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: 0.390 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

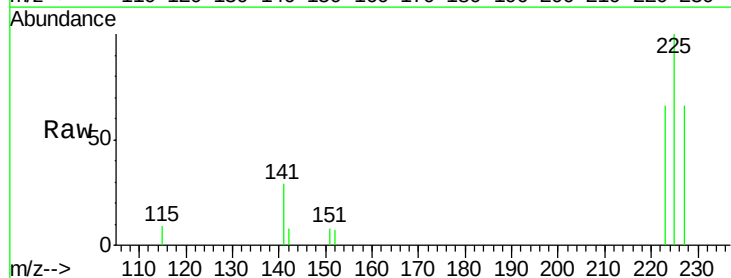
Tgt Ion:225 Resp: 1290

Ion Ratio Lower Upper

225 100

223 64.4 53.0 79.6

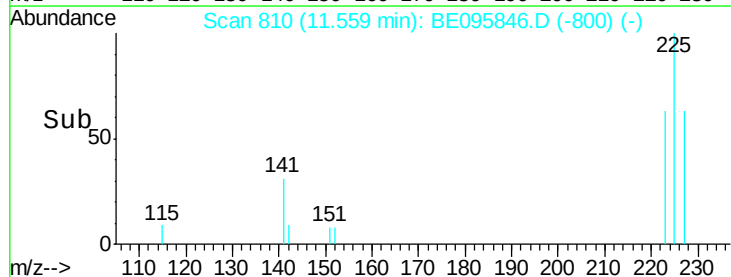
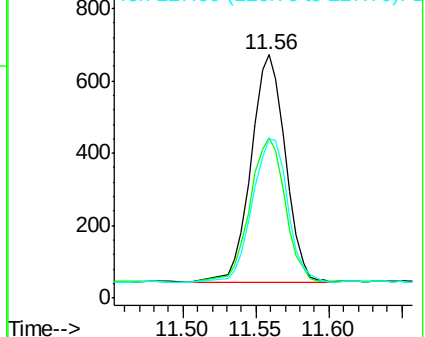
227 65.8 51.4 77.2

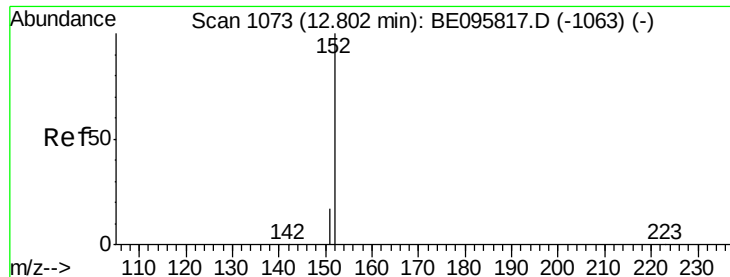


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.409 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

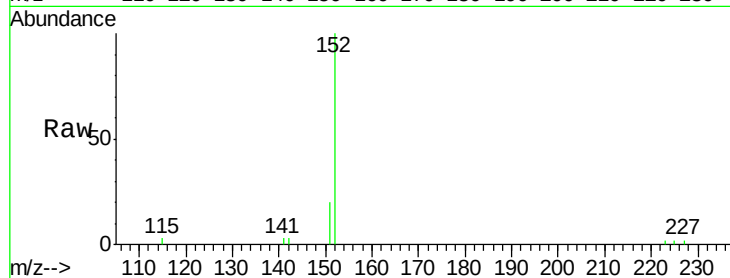
ClientSampleId :

Tot Ion:152 Resp: 2873

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.79

2000

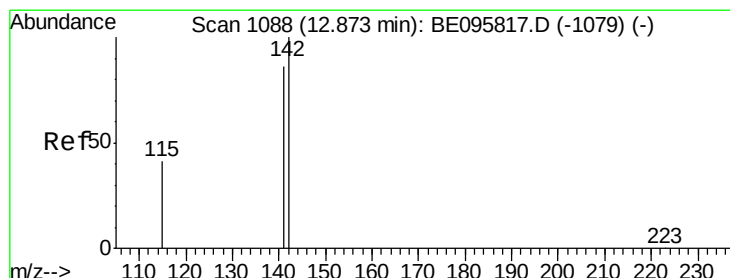
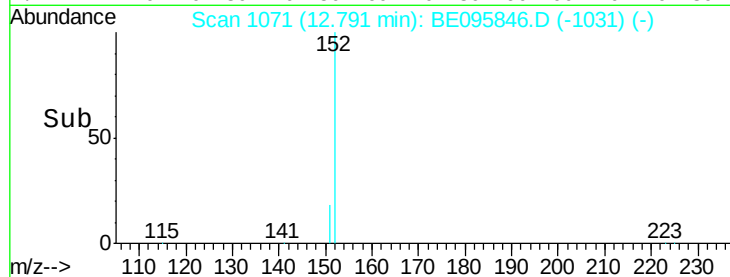
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.87 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

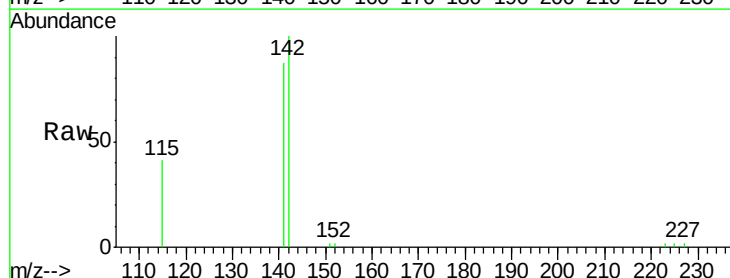
Tgt Ion:142 Resp: 3359

Ion Ratio Lower Upper

142 100

141 86.7 70.4 105.6

115 41.2 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

12.87

3000

2500

2000

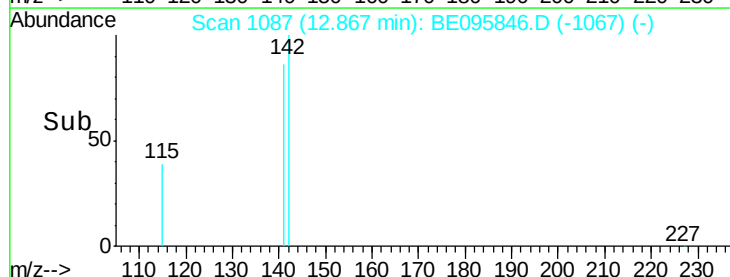
1500

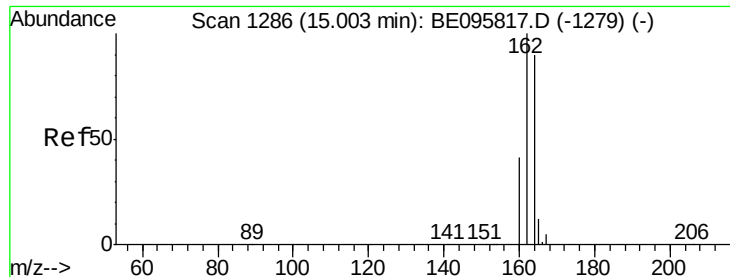
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

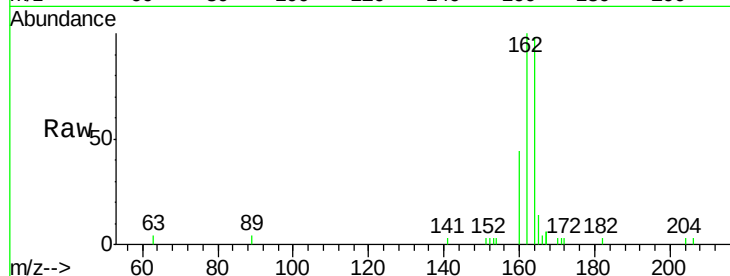
Tot Ion:164 Resp: 2519

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

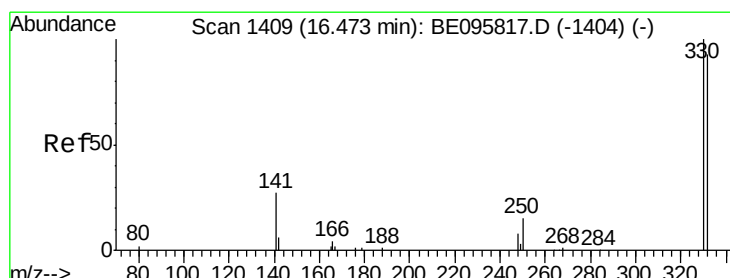
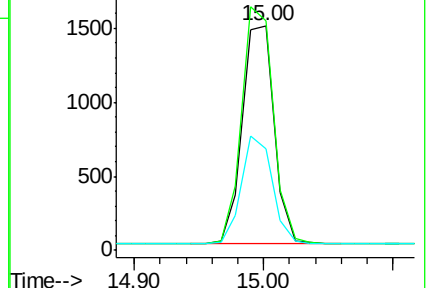
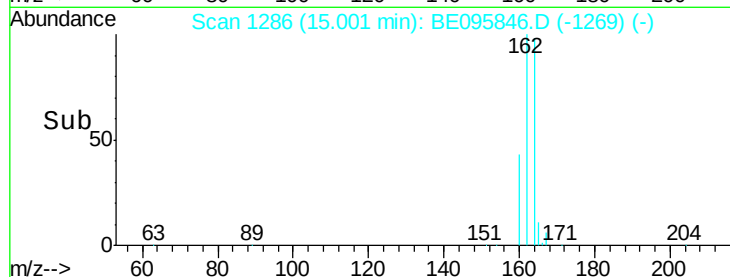
160 45.3 37.1 55.7



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: 0.400 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

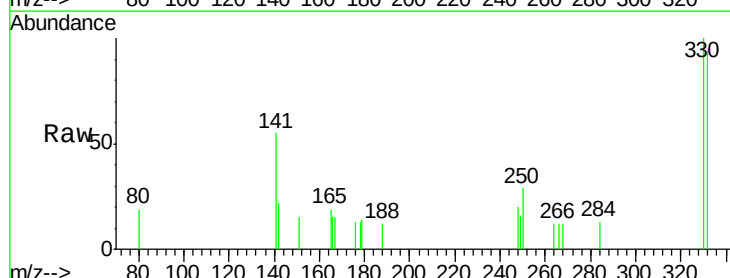
Tgt Ion:330 Resp: 581

Ion Ratio Lower Upper

330 100

332 98.3 152.7 229.1#

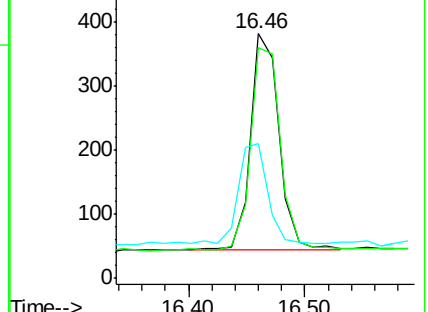
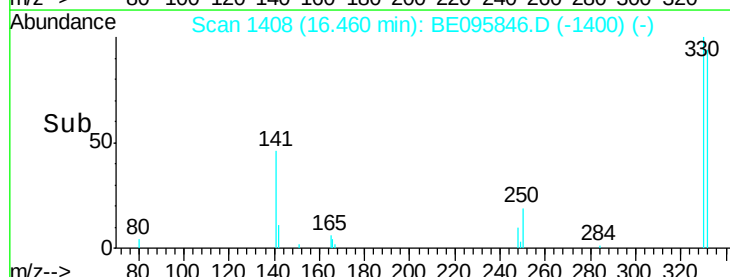
141 47.0 33.7 50.5

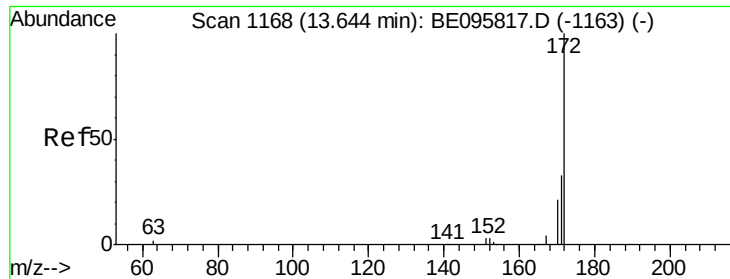


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

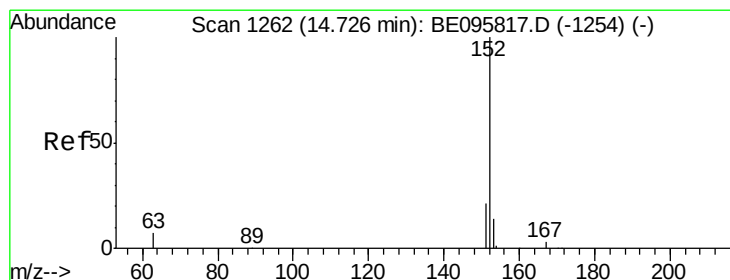
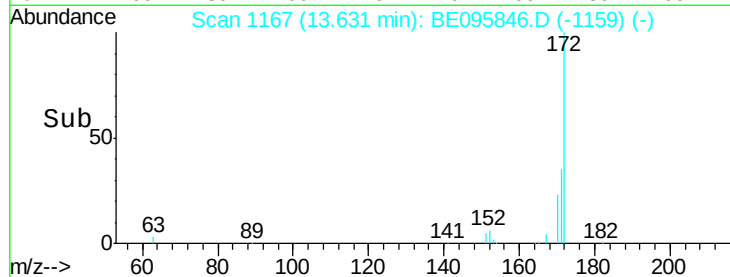
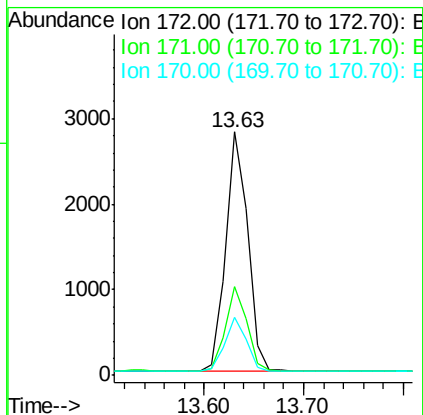
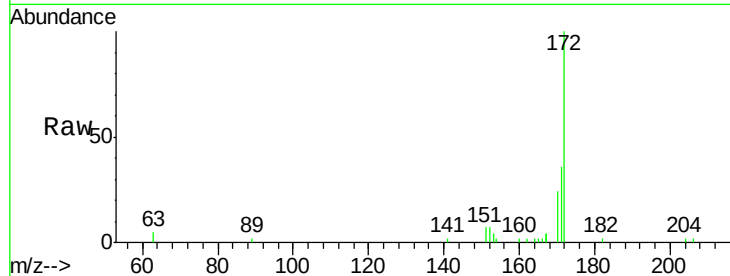




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

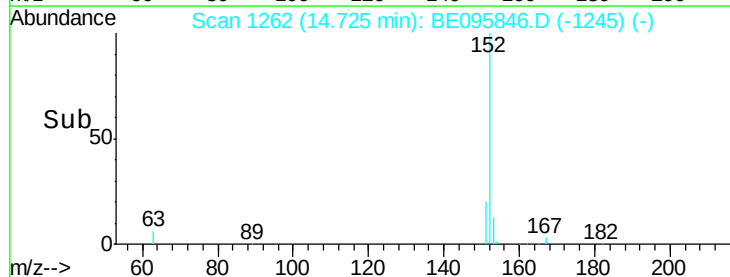
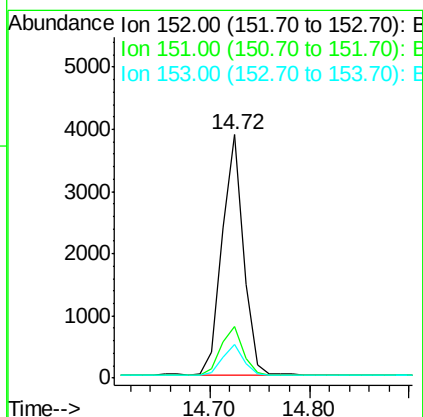
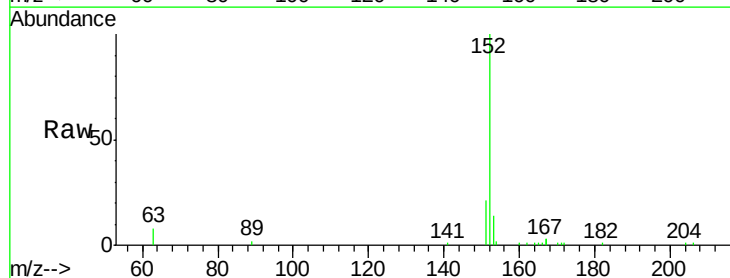
Instrument :
BNA_E
ClientSampleId :

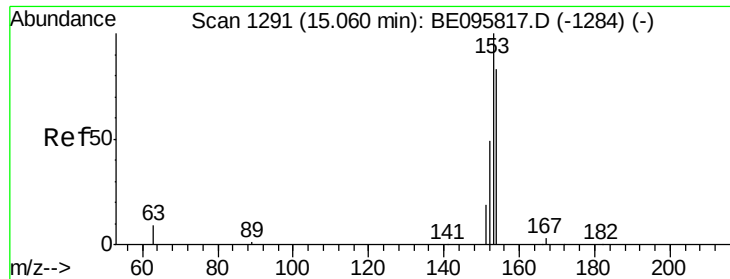
Tot Ion:172 Resp: 4285
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 24.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.398 ng
RT: 14.72 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

Tgt Ion:152 Resp: 5733
Ion Ratio Lower Upper
152 100
151 21.2 15.7 23.5
153 12.9 10.5 15.7

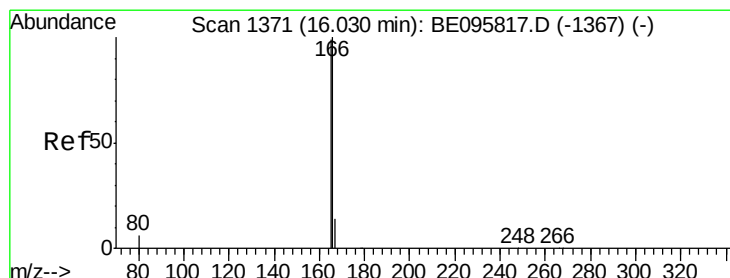
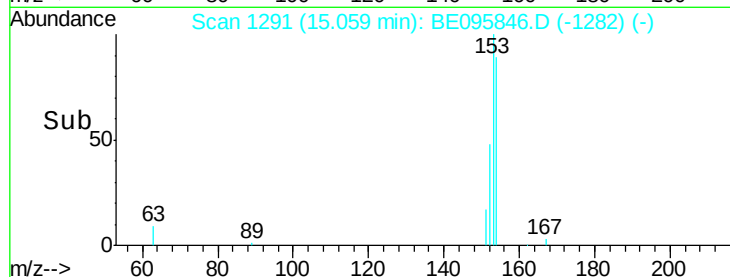
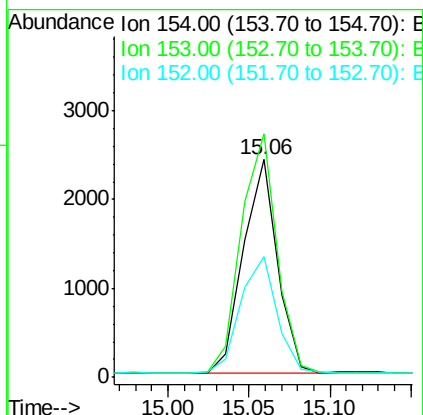
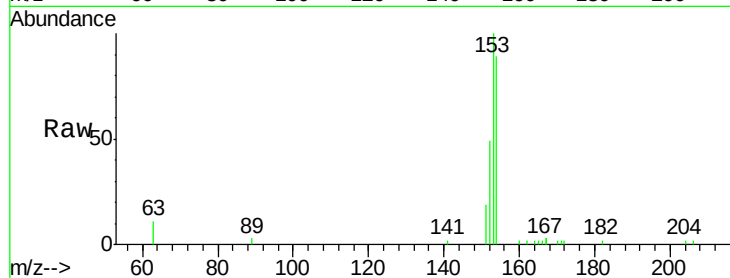




#17
Acenaphthene
Concen: 0.401 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

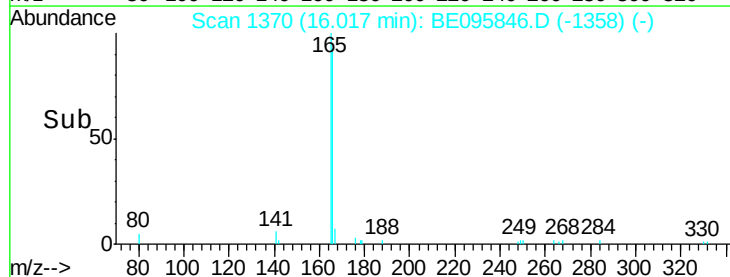
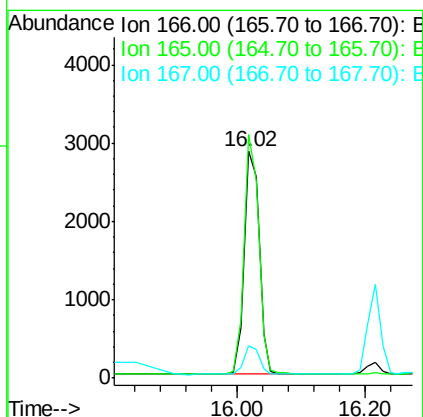
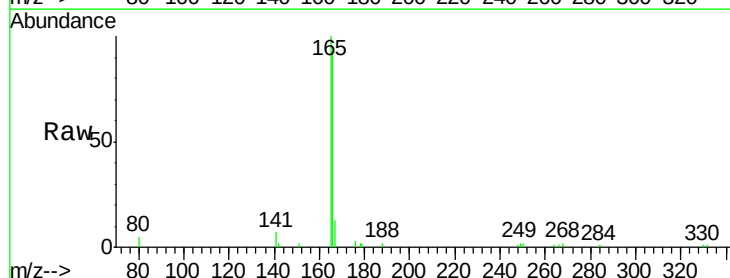
Instrument :
BNA_E
ClientSampleId :

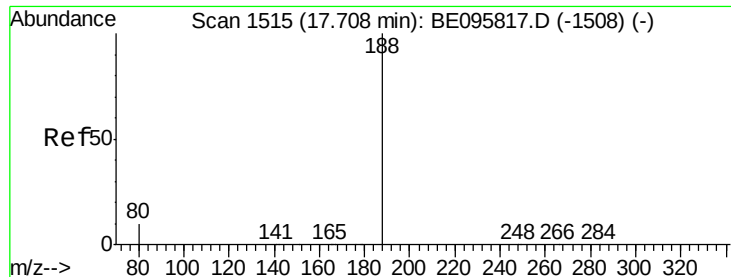
Tot Ion:154 Resp: 3521
Ion Ratio Lower Upper
154 100
153 116.9 89.2 133.8
152 57.5 42.0 63.0



#18
Fluorene
Concen: 0.400 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

Tgt Ion:166 Resp: 4624
Ion Ratio Lower Upper
166 100
165 103.1 77.8 116.6
167 13.2 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampled :

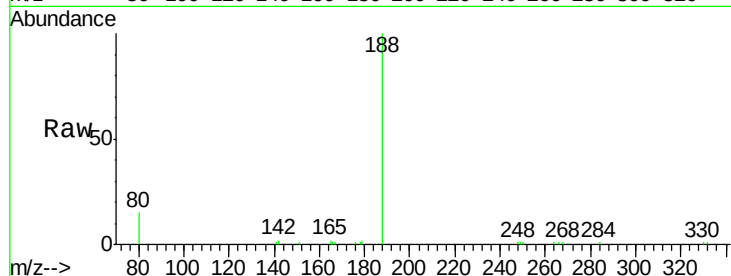
Tot Ion:188 Resp: 6556

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

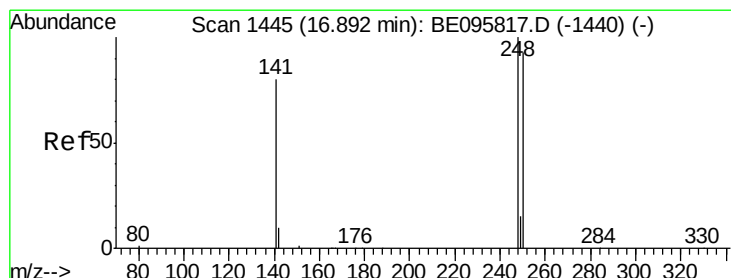
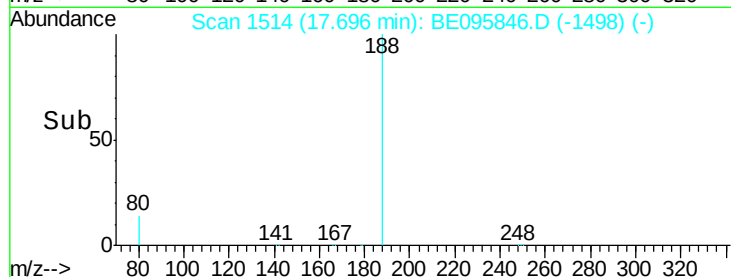
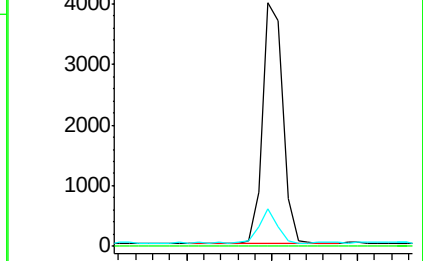
80 15.3 3.6 5.4#



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: 0.384 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

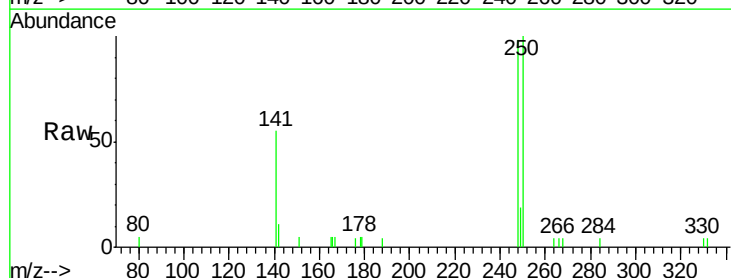
Tgt Ion:248 Resp: 1513

Ion Ratio Lower Upper

248 100

250 101.8 62.7 94.1#

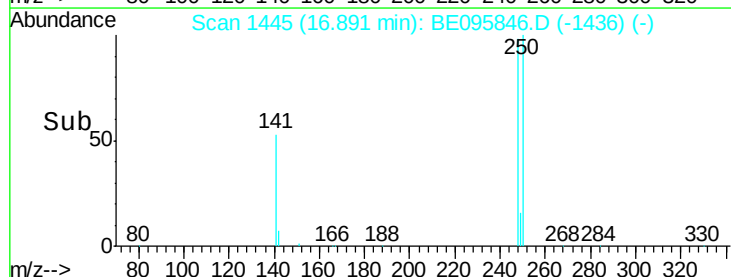
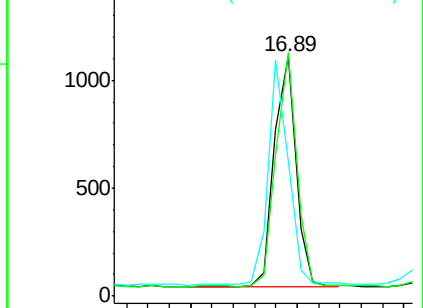
141 56.5 48.2 72.2

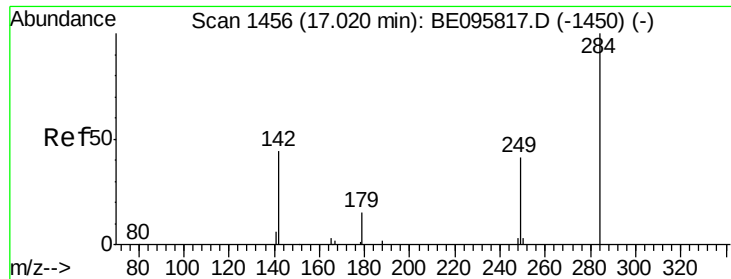


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

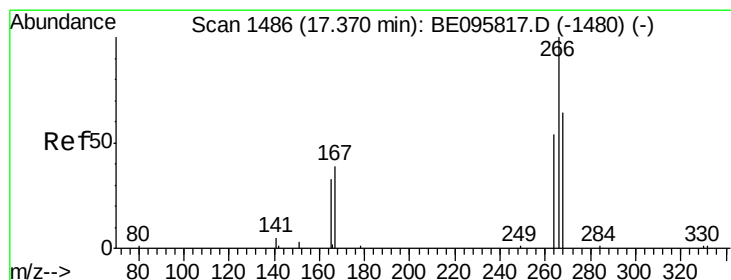
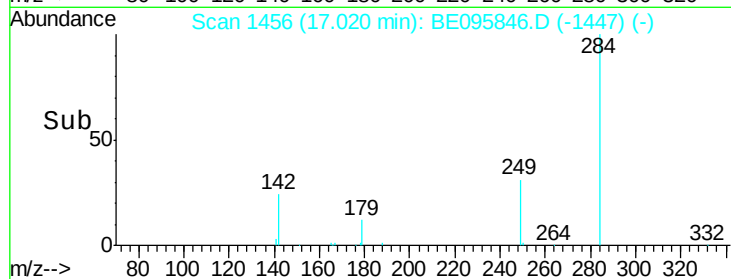
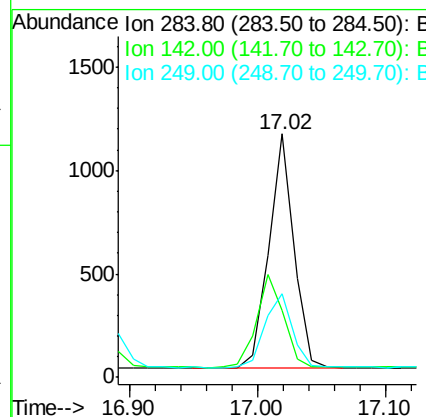
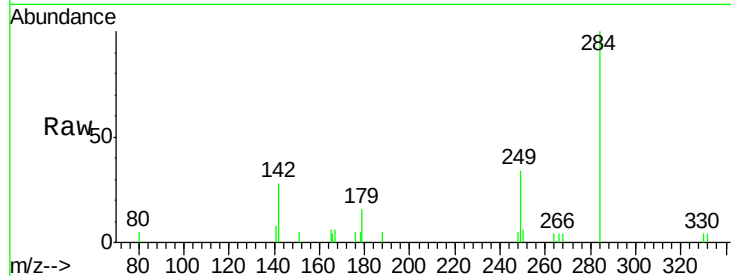




#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

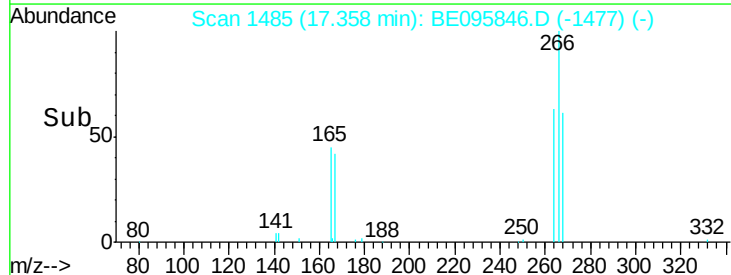
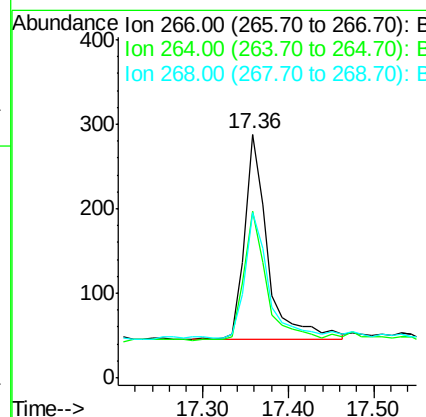
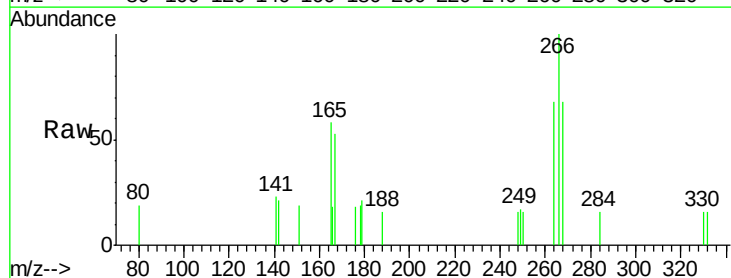
Instrument :
BNA_E
ClientSampleId :

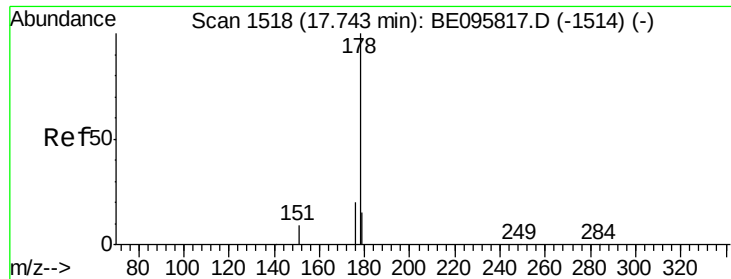
Tot Ion:284 Resp: 1555
Ion Ratio Lower Upper
284 100
142 42.8 22.1 33.1#
249 34.6 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.442 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095846.D
Acq: 26 Mar 2018 18:37

Tgt Ion:266 Resp: 462
Ion Ratio Lower Upper
266 100
264 68.4 72.5 108.7#
268 67.7 73.8 110.6#





#23

Phenanthrene

Concen: 0.406 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

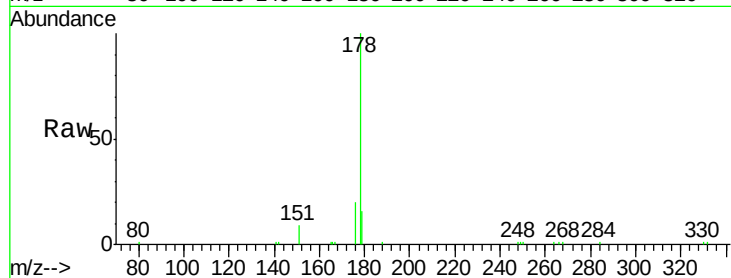
Tot Ion:178 Resp: 7962

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

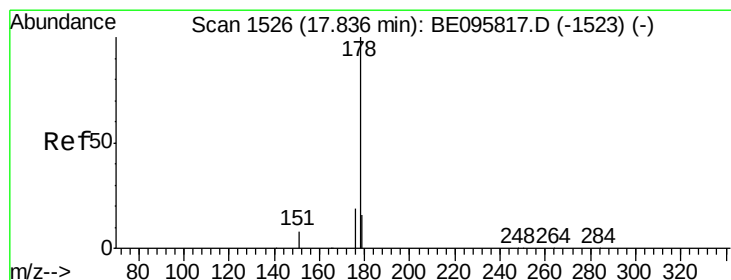
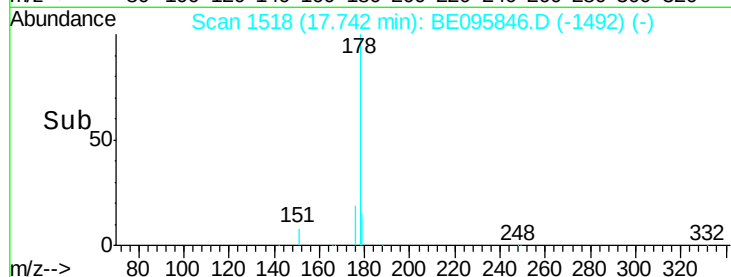
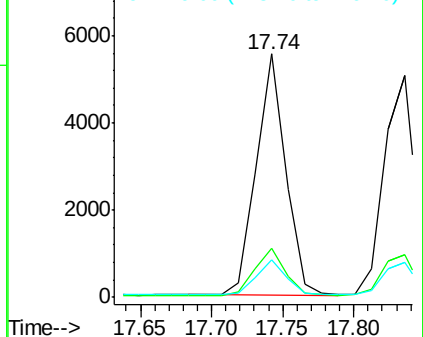
179 14.7 11.8 17.6



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: 0.392 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

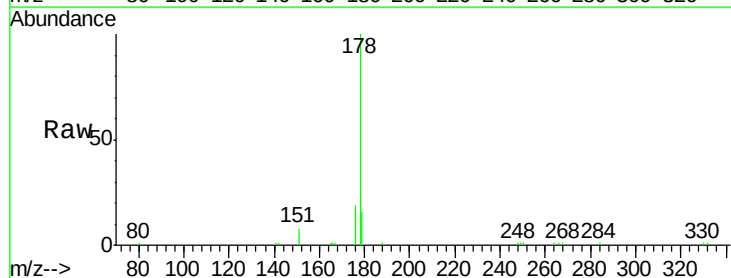
Tgt Ion:178 Resp: 7690

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

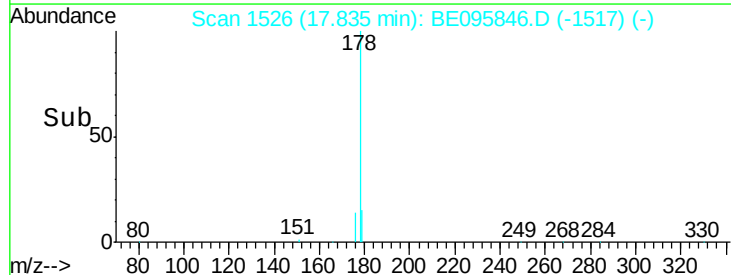
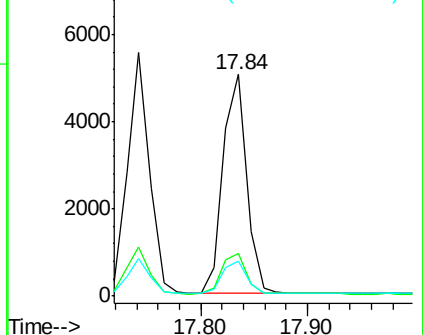
179 15.4 13.0 19.6

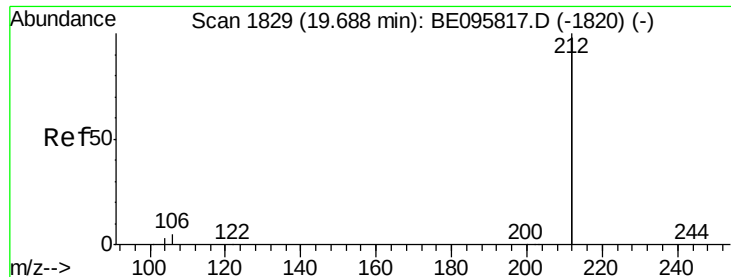


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.400 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

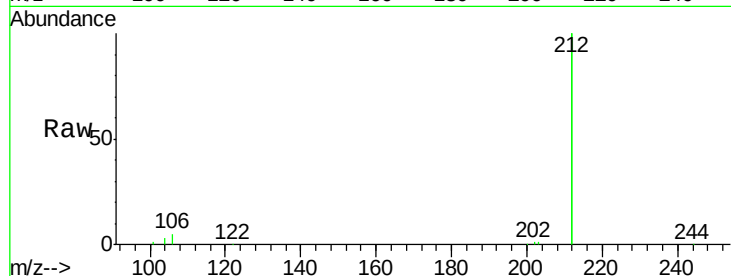
Tot Ion:212 Resp: 38927

Ion Ratio Lower Upper

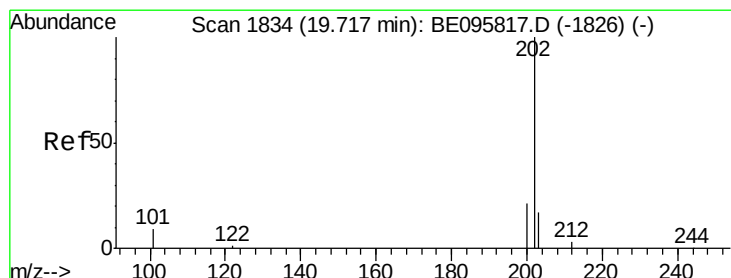
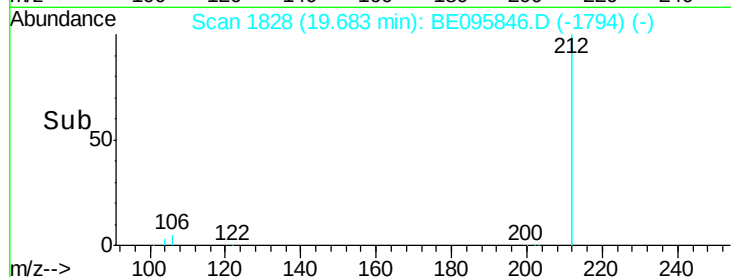
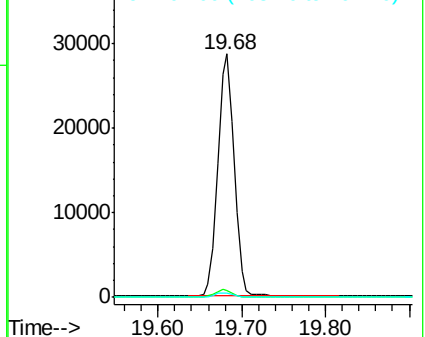
212 100

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: 0.403 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

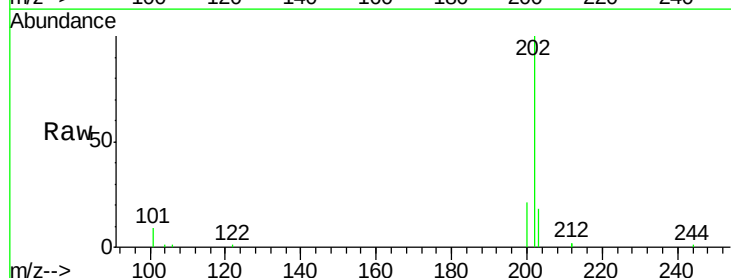
Tgt Ion:202 Resp: 10982

Ion Ratio Lower Upper

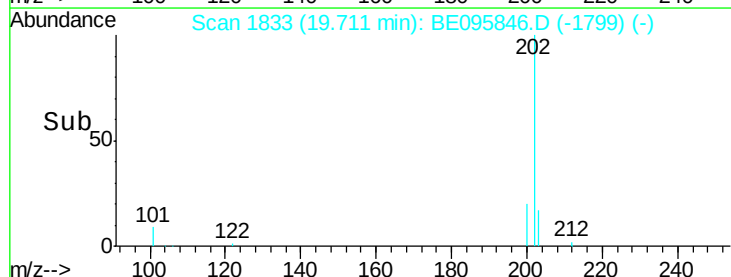
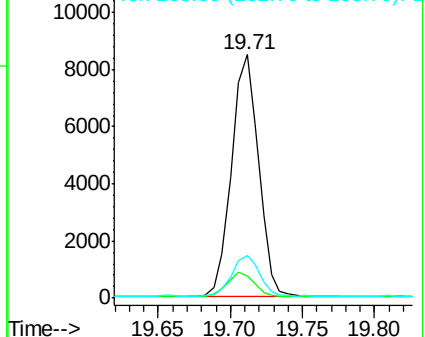
202 100

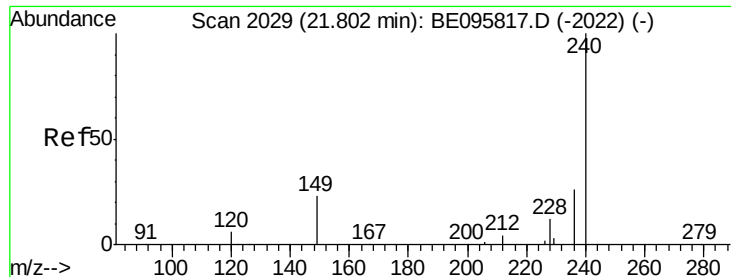
101 10.3 9.8 14.8

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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

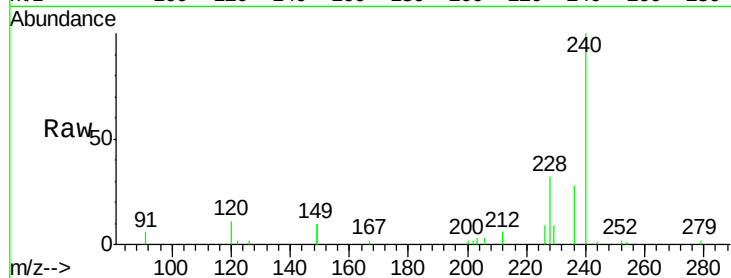
Tot Ion:240 Resp: 7828

Ion Ratio Lower Upper

240 100

120 11.4 5.5 8.3#

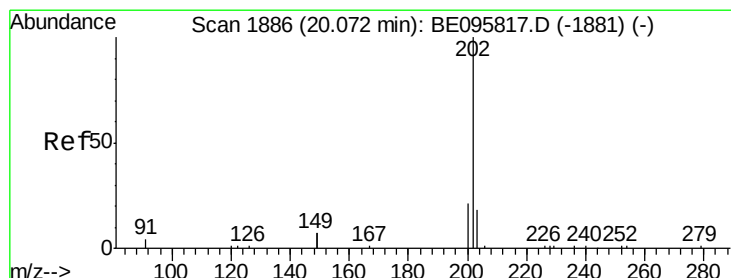
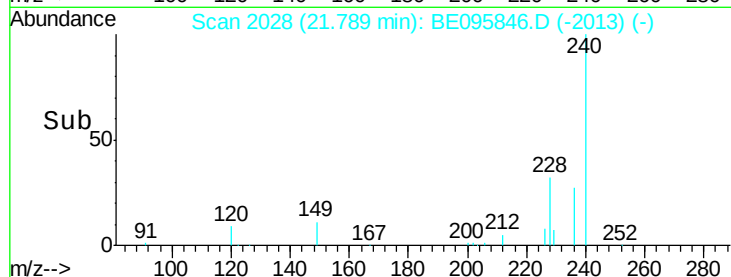
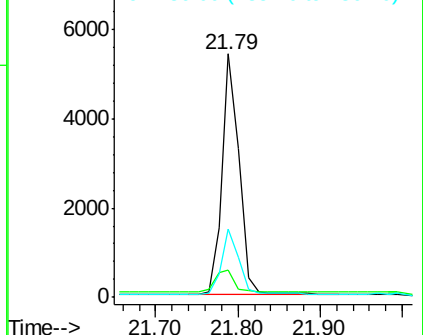
236 28.0 20.7 31.1



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: 0.399 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

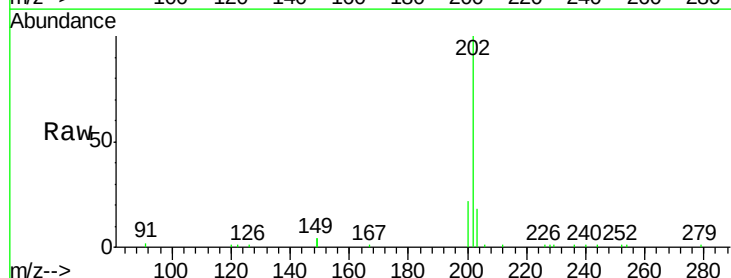
Tgt Ion:202 Resp: 12716

Ion Ratio Lower Upper

202 100

200 24.5 16.6 25.0

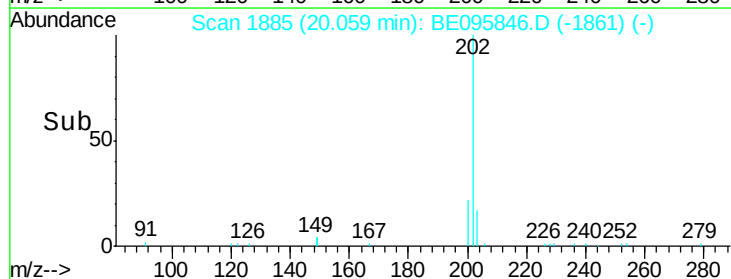
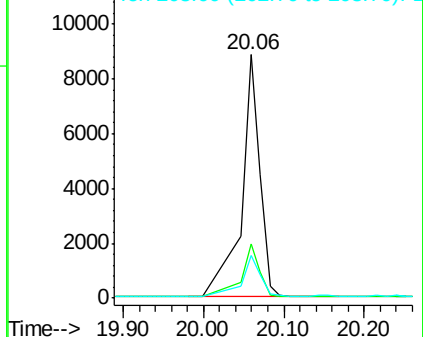
203 20.5 13.8 20.8

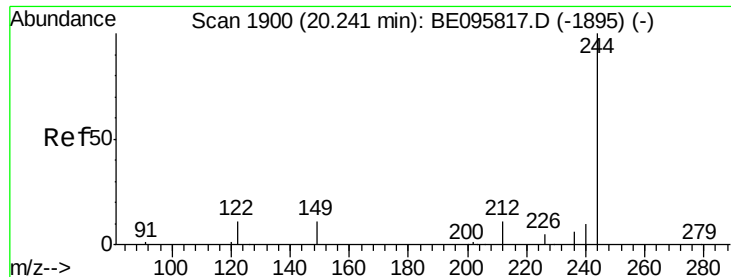


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.391 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

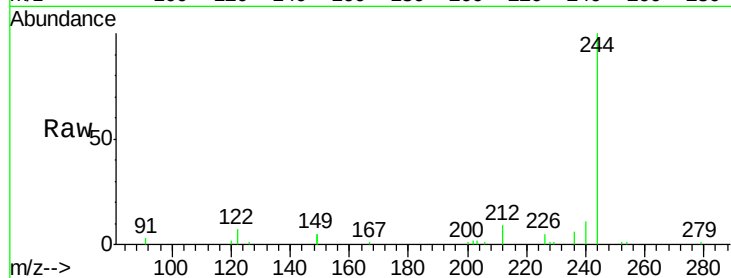
Tot Ion:244 Resp: 6504

Ion Ratio Lower Upper

244 100

212 8.9 25.4 38.0#

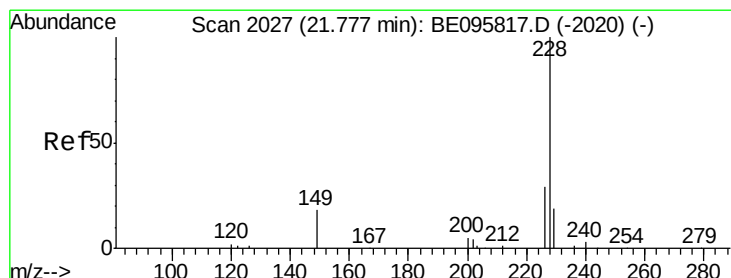
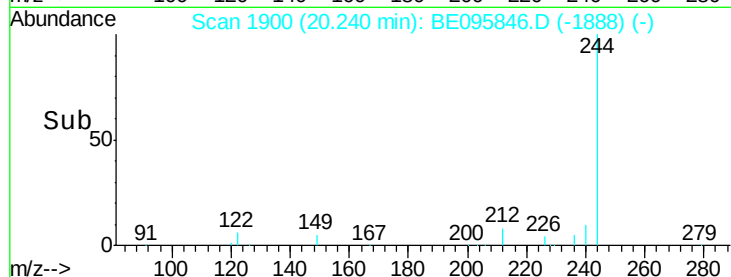
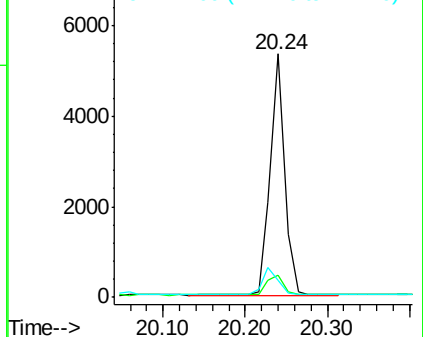
122 6.9 8.1 12.1#



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: 0.405 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

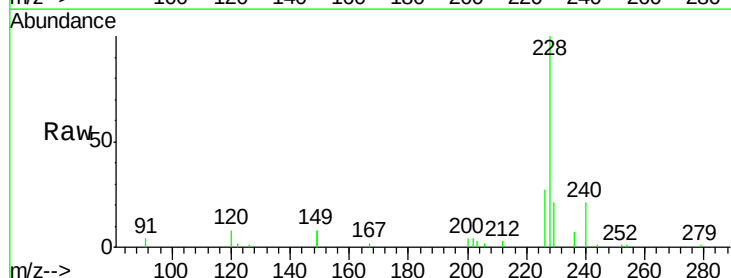
Tgt Ion:228 Resp: 11000

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

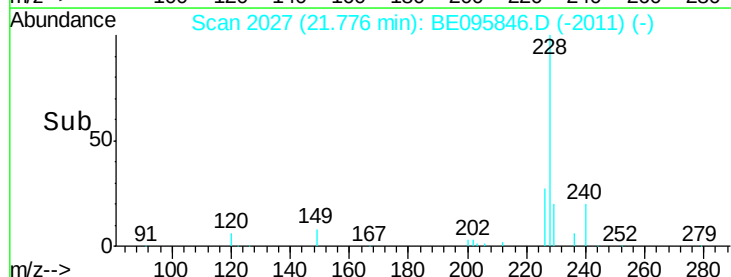
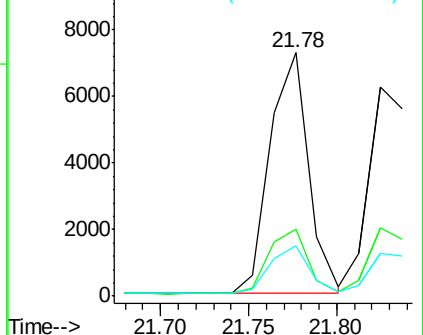
229 20.7 16.0 24.0

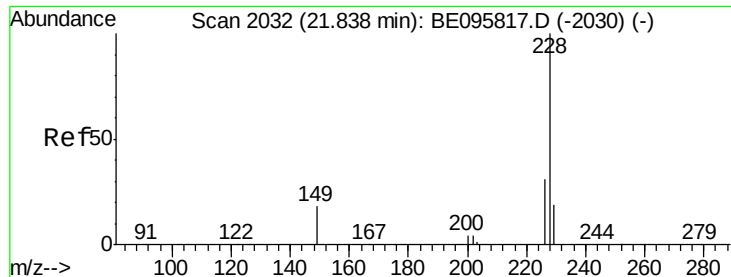


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.409 ng

RT: 21.82 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampled :

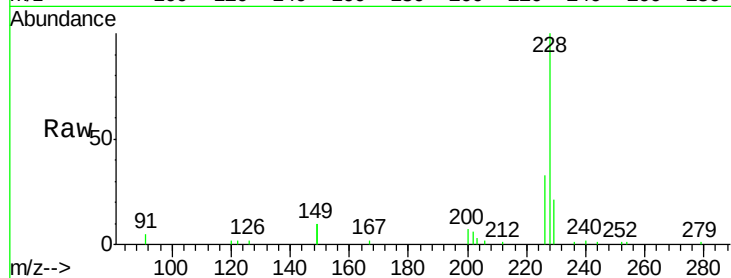
Tot Ion:228 Resp: 10121

Ion Ratio Lower Upper

228 100

226 32.8 24.0 36.0

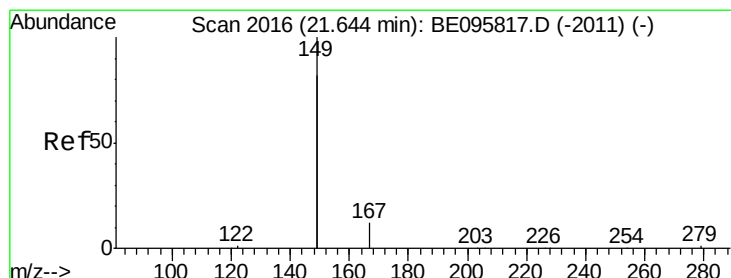
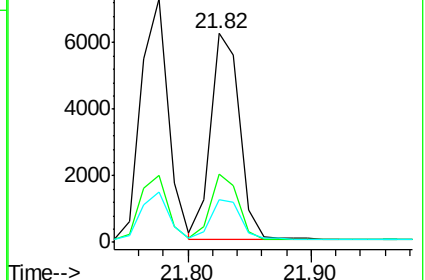
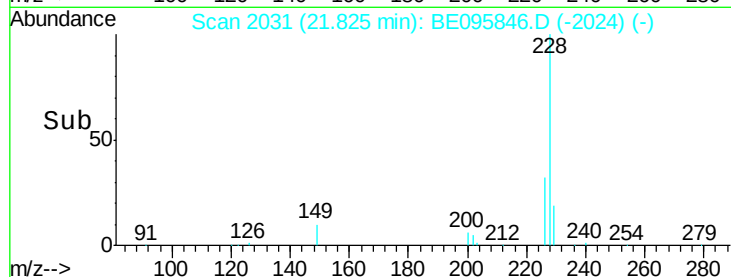
229 20.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.367 ng

RT: 21.64 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

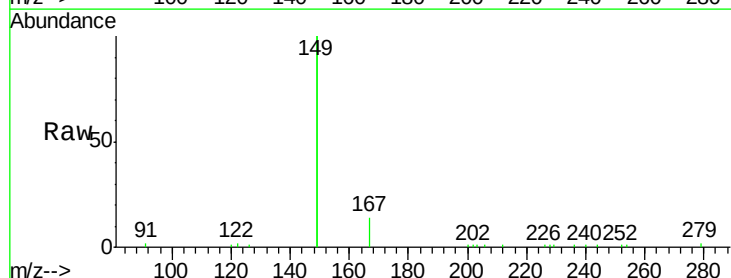
Tgt Ion:149 Resp: 30488

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

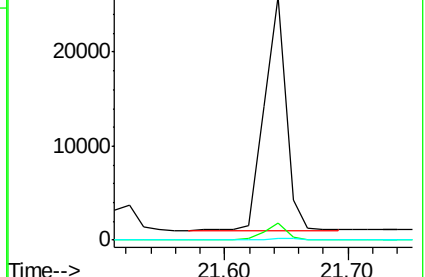
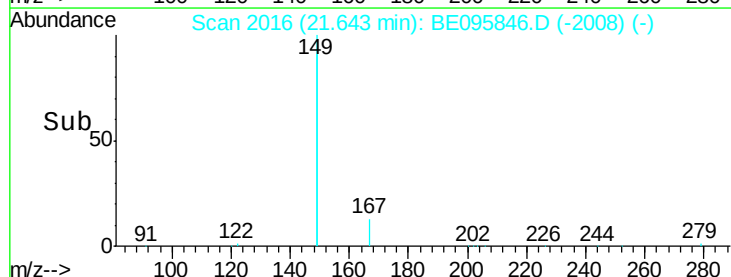
279 0.8 0.7 1.1

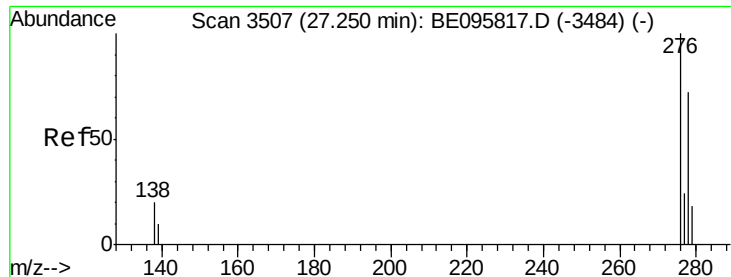


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

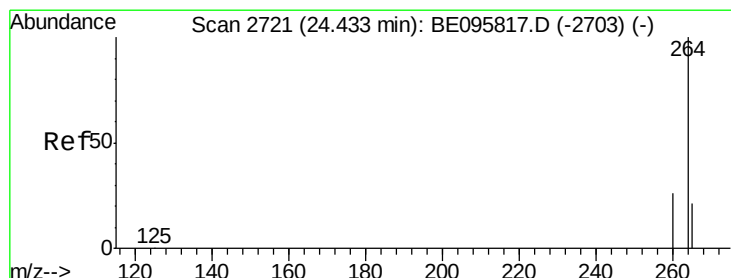
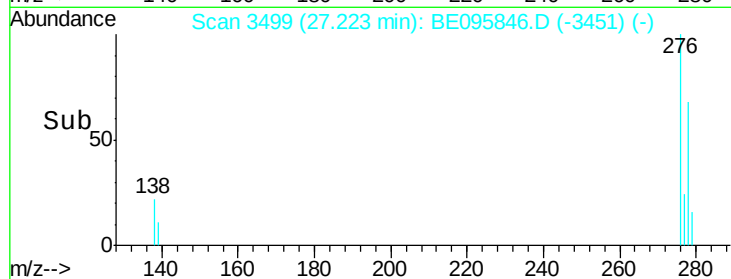
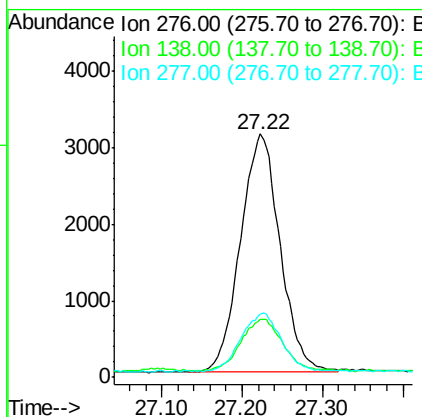
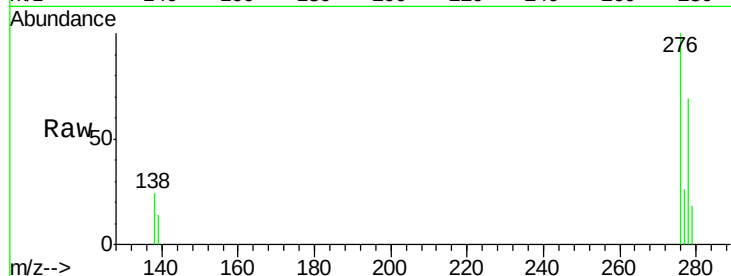




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.399 ng
 RT: 27.22 min Scan# 3499
 Delta R.T. -0.03 min
 Lab File: BE095846.D
 Acq: 26 Mar 2018 18:37

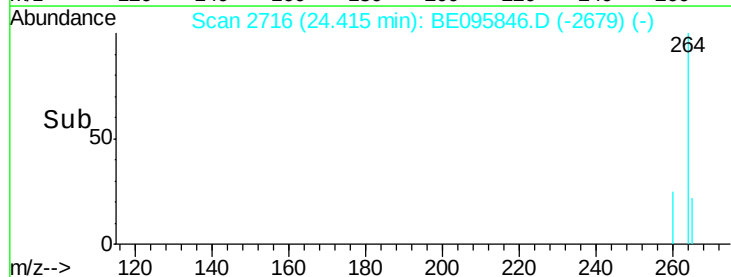
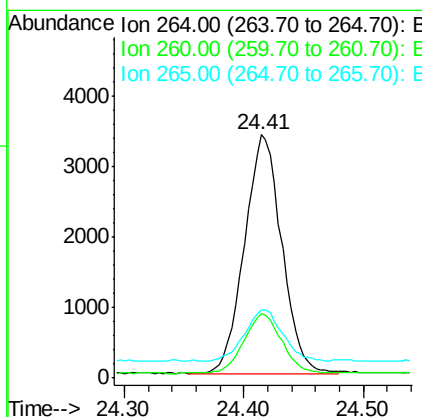
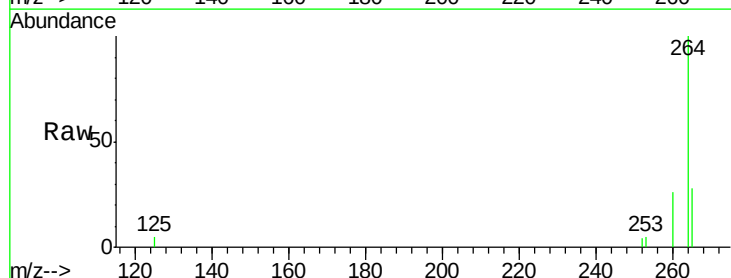
Instrument :
 BNA_E
 ClientSampleId :

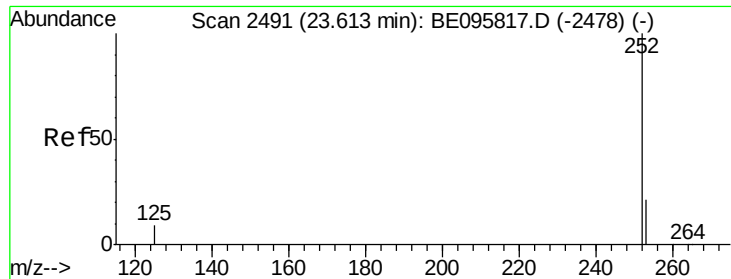
Tot Ion:276 Resp: 10649
 Ion Ratio Lower Upper
 276 100
 138 22.0 22.5 33.7#
 277 25.0 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.41 min Scan# 2716
 Delta R.T. -0.02 min
 Lab File: BE095846.D
 Acq: 26 Mar 2018 18:37

Tgt Ion:264 Resp: 7302
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.5 30.7
 265 28.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.418 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

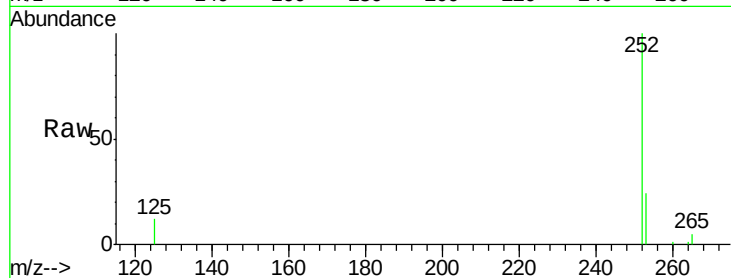
Tot Ion:252 Resp: 10098

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

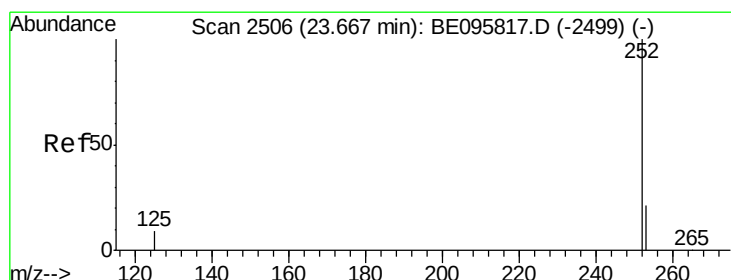
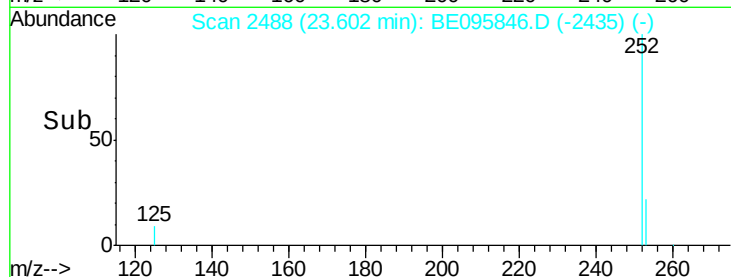
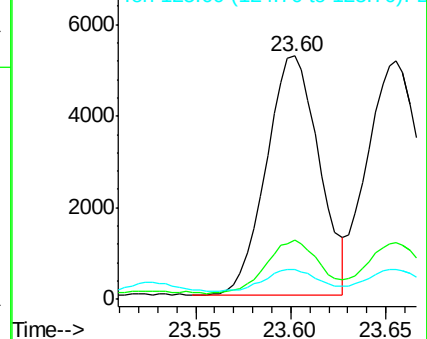
125 12.3 16.0 24.0#



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: 0.416 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

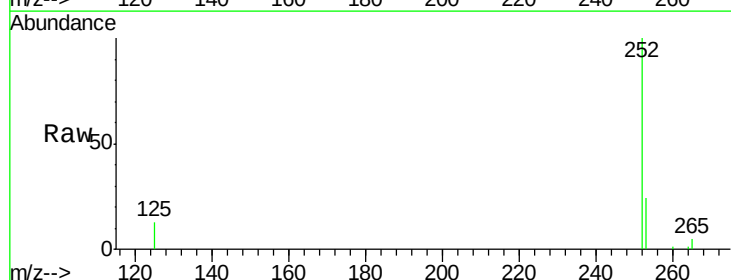
Tgt Ion:252 Resp: 10048

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

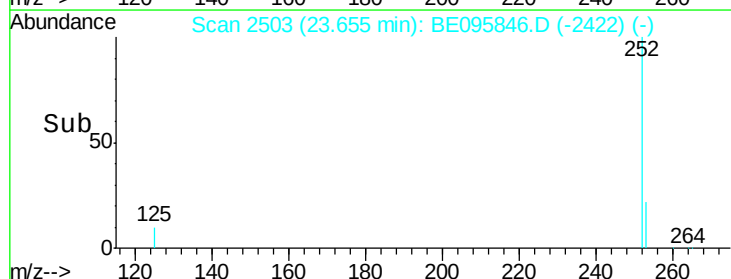
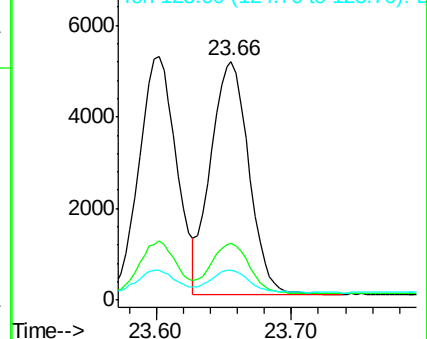
125 12.6 8.0 12.0#

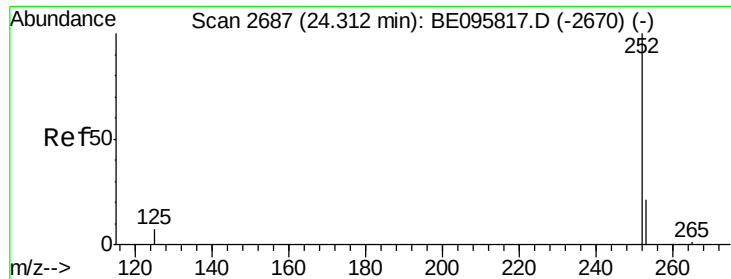


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.411 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :

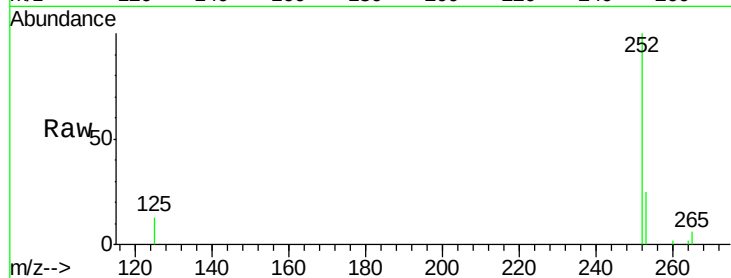
Tot Ion:252 Resp: 9317

Ion Ratio Lower Upper

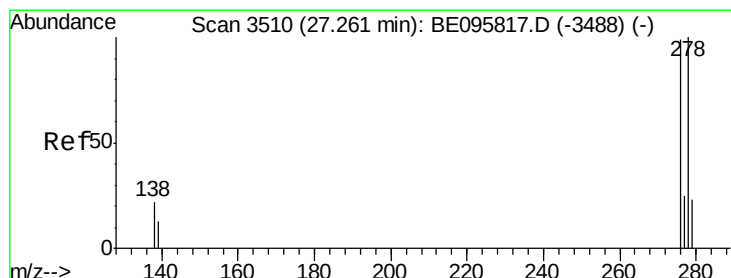
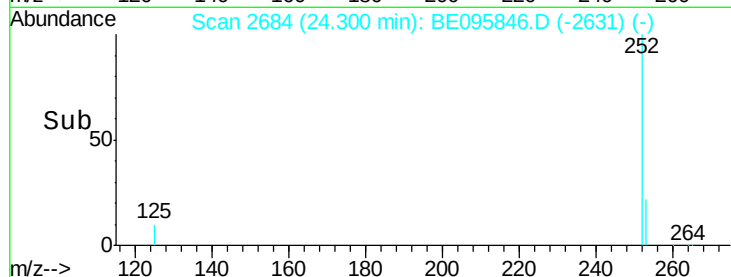
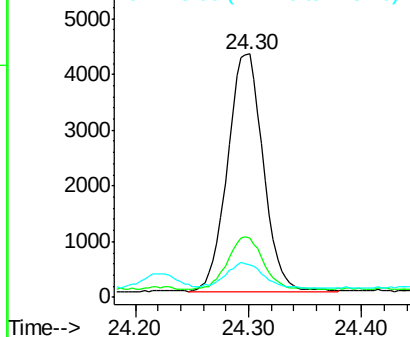
252 100

253 24.6 16.0 24.0#

125 13.1 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: 0.413 ng

RT: 27.23 min Scan# 3502

Delta R.T. -0.03 min

Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

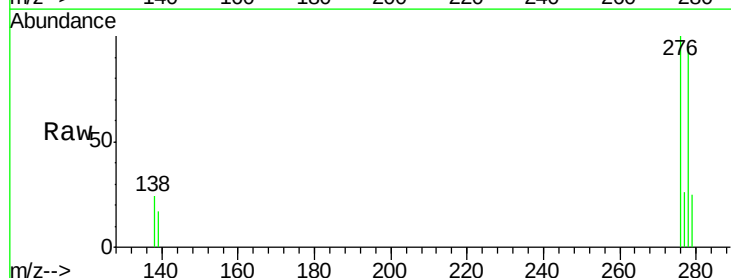
Tgt Ion:278 Resp: 8887

Ion Ratio Lower Upper

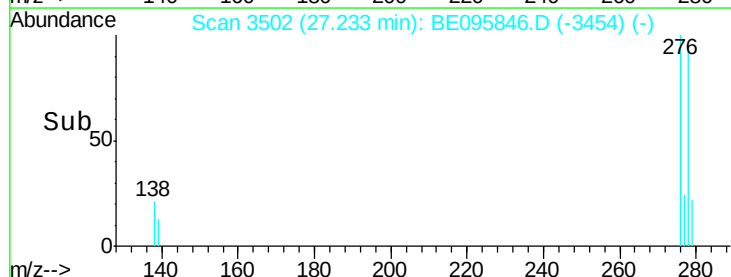
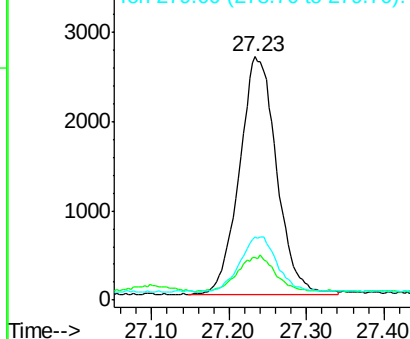
278 100

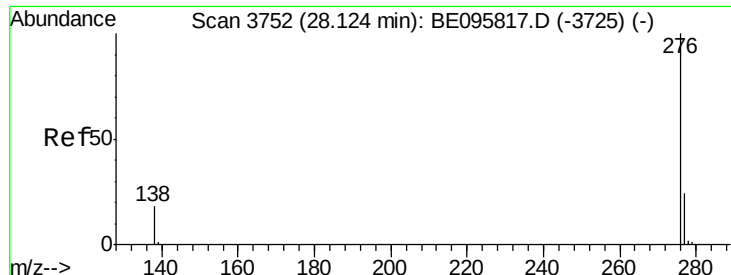
139 17.6 16.0 24.0

279 26.0 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: 0.417 ng

RT: 28.10 min Scan# 3745

Delta R.T. -0.02 min

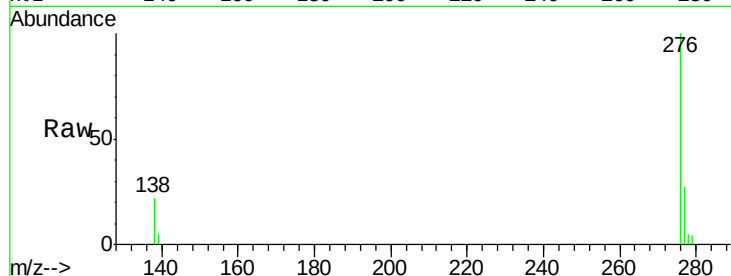
Lab File: BE095846.D

Acq: 26 Mar 2018 18:37

Instrument :

BNA_E

ClientSampleId :



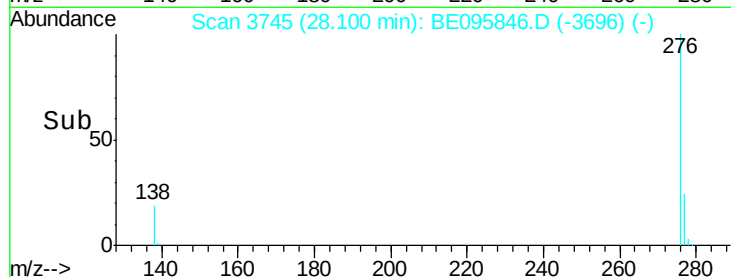
Tot Ion: 276 Resp: 9016

Ion Ratio Lower Upper

276 100

277 26.8 16.0 24.0#

138 21.8 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

