

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095728.D
 Acq On : 12 Mar 2018 13:53
 Operator : SJ/JU
 Sample : PB107231BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 12 15:08:10 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1655	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	6880	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3986	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	8765	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8776	0.40	ng	0.00
34) Perylene-d12	24.43	264	8166	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1645	0.38	ng	0.00
5) Phenol-d6	7.56	99	2546	0.42	ng	0.00
8) Nitrobenzene-d5	9.61	82	2616	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	4236	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	621	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	6343	0.36	ng	0.00
25) Fluoranthene-d10	19.69	212	40990	0.36	ng	0.00
29) Terphenyl-d14	20.25	244	6748	0.39	ng	0.00

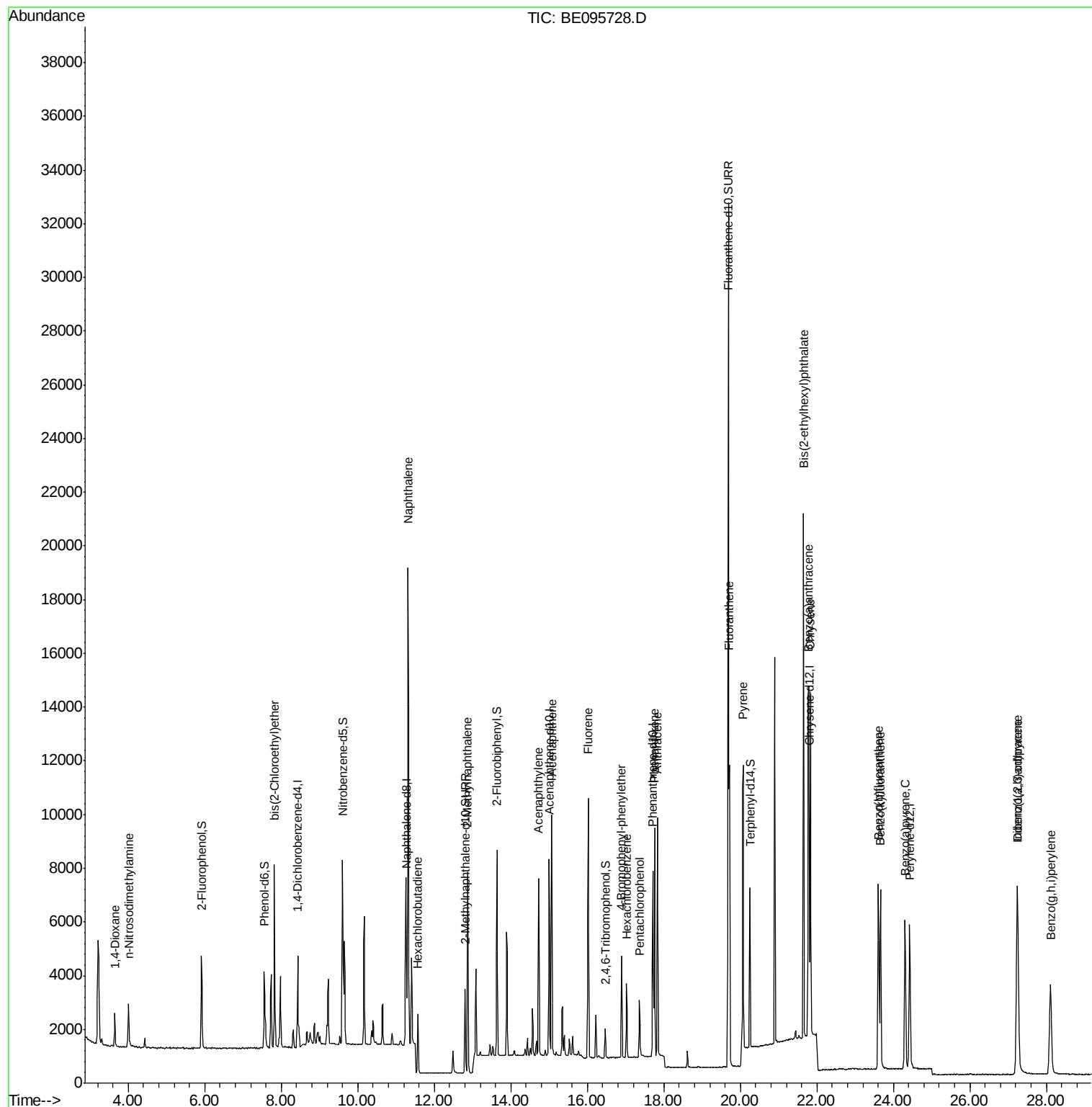
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.65	88	900	0.345	ng	# 87
3) n-Nitrosodimethylamine	4.00	42	1255	0.388	ng	# 83
6) bis(2-Chloroethyl)ether	7.82	93	2322	0.374	ng	93
9) Naphthalene	11.31	128	28836	0.364	ng	99
10) Hexachlorobutadiene	11.57	225	1775	0.384	ng	96
12) 2-Methylnaphthalene	12.87	142	5028	0.367	ng	94
16) Acenaphthylene	14.73	152	8032	0.359	ng	99
17) Acenaphthene	15.07	154	5054	0.359	ng	96
18) Fluorene	16.03	166	6156	0.353	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1967	0.358	ng	# 68
21) Hexachlorobenzene	17.02	284	1992	0.350	ng	# 82
22) Pentachlorophenol	17.36	266	1127	0.717	ng	# 74
23) Phenanthrene	17.75	178	9701	0.354	ng	98
24) Anthracene	17.84	178	9199	0.366	ng	96
26) Fluoranthene	19.72	202	11860	0.352	ng	97
28) Pyrene	20.07	202	13857	0.386	ng	98
30) Benzo(a)anthracene	21.78	228	10998	0.384	ng	98
31) Chrysene	21.84	228	10285	0.361	ng	99
32) Bis(2-ethylhexyl)phthalate	21.66	149	23242	0.459	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10628	0.385	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	10298	0.354	ng	# 89
36) Benzo(k)fluoranthene	23.66	252	10124	0.350	ng	95
37) Benzo(a)pyrene	24.31	252	9348	0.357	ng	93
38) Dibenzo(a,h)anthracene	27.25	278	8586	0.368	ng	96
39) Benzo(g,h,i)perylene	28.11	276	8866	0.355	ng	# 90

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

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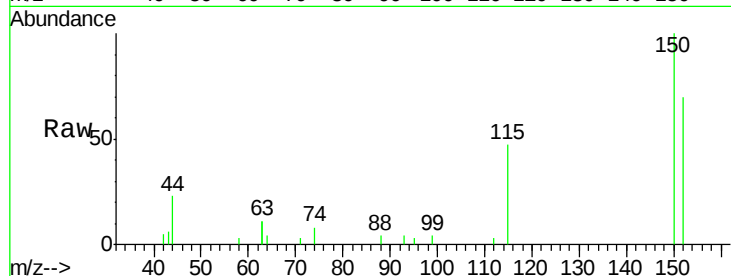


#1

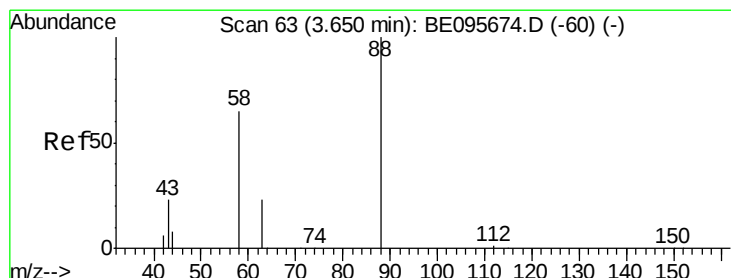
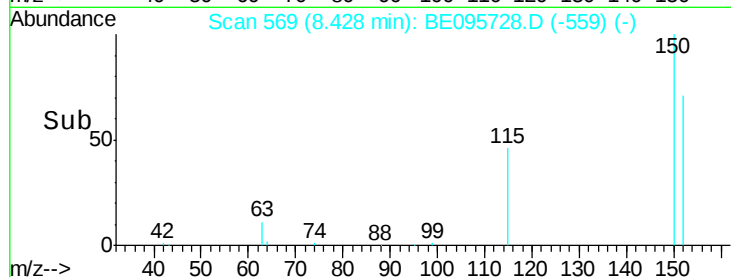
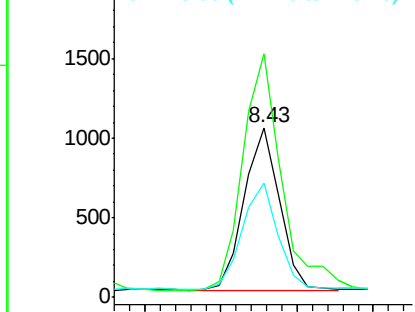
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1655
Ion Ratio Lower Upper
152 100
150 143.4 117.2 175.8
115 67.4 57.0 85.6



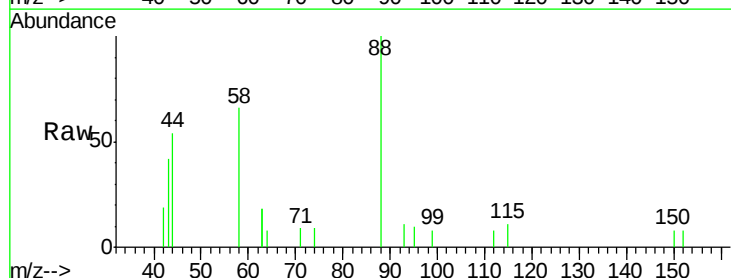
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



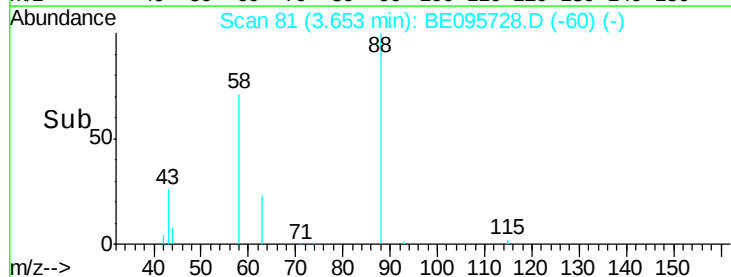
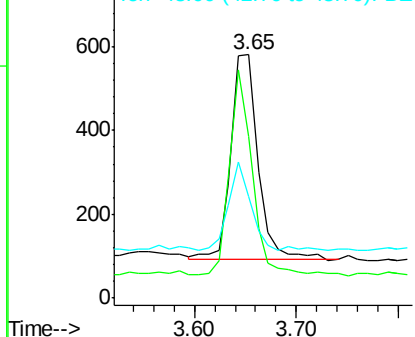
#2

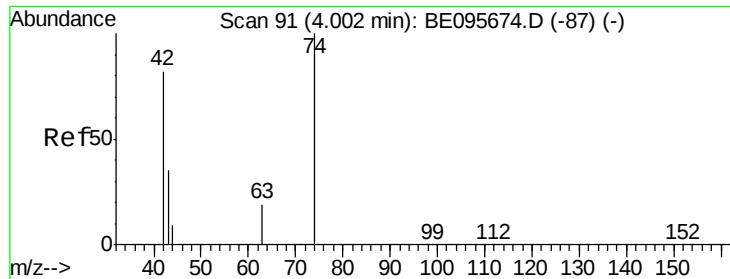
1,4-Dioxane
Concen: 0.345 ng
RT: 3.65 min Scan# 81
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion: 88 Resp: 900
Ion Ratio Lower Upper
88 100
58 84.8 63.2 94.8
43 35.3 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

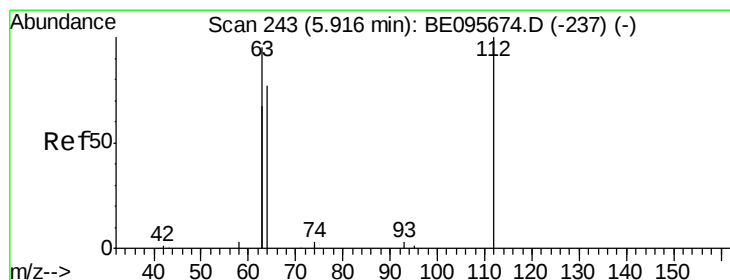
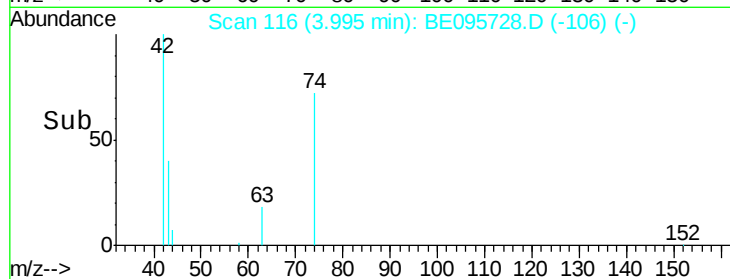
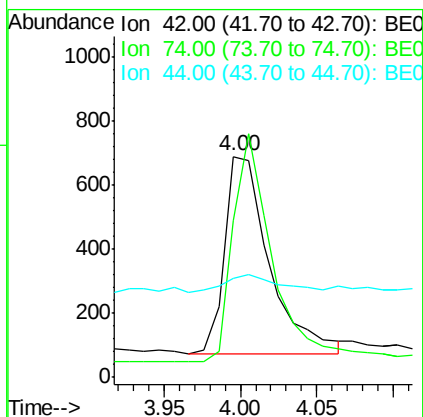
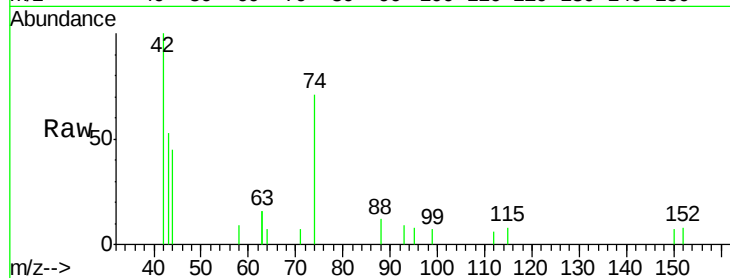




#3
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 4.00 min Scan# 116
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

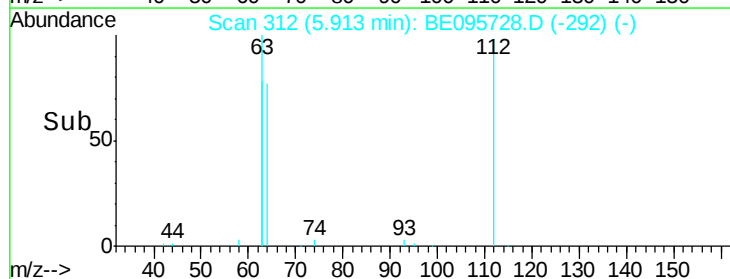
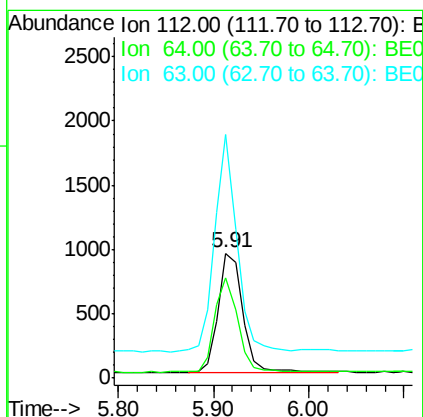
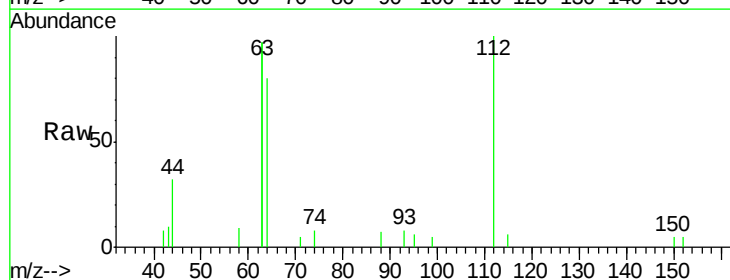
Instrument :
BNA_E
ClientSampleId :

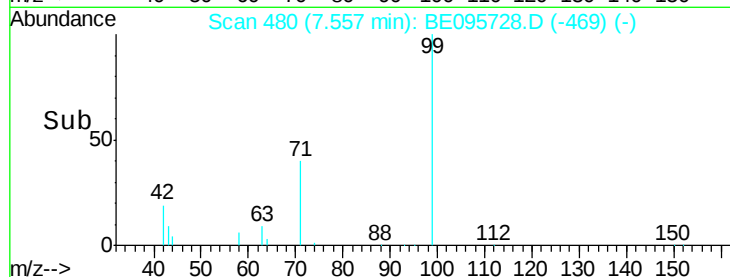
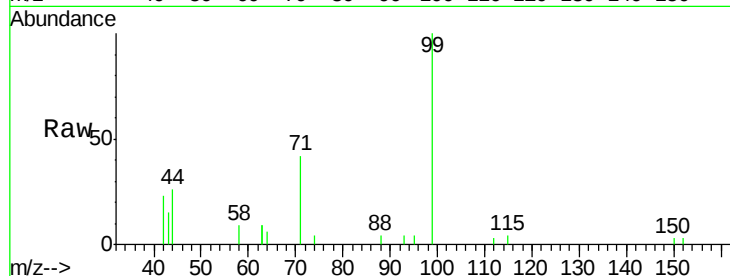
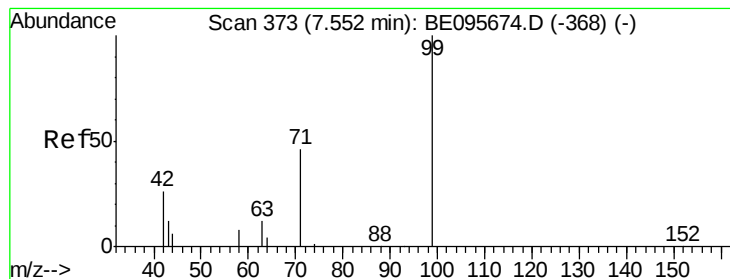
Tot Ion: 42 Resp: 1255
Ion Ratio Lower Upper
42 100
74 99.6 96.0 144.0
44 11.6 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion: 112 Resp: 1645
Ion Ratio Lower Upper
112 100
64 77.5 60.1 90.1
63 168.1 116.8 175.2





#5

Phenol-d6

Concen: 0.421 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

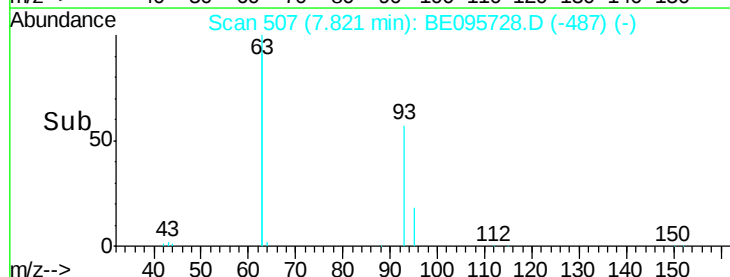
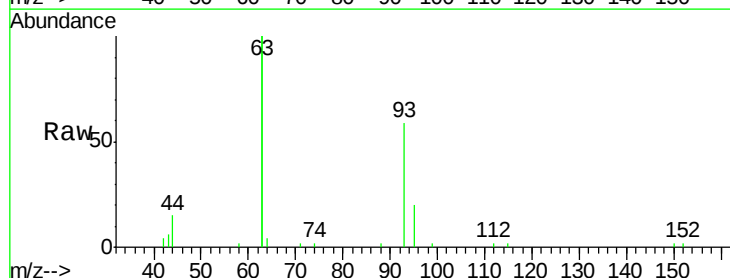
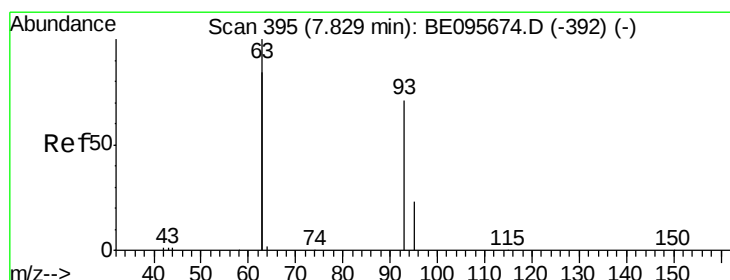
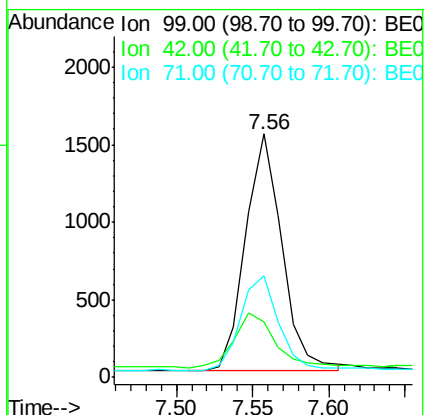
Tot Ion: 99 Resp: 2546

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

71 41.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 7.82 min Scan# 507

Delta R.T. -0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

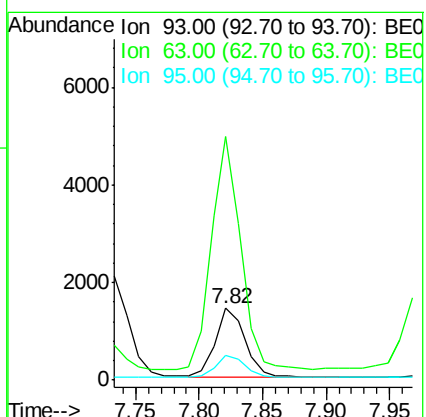
Tgt Ion: 93 Resp: 2322

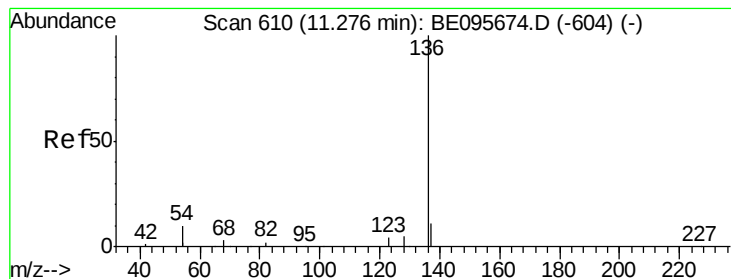
Ion Ratio Lower Upper

93 100

63 327.0 275.3 412.9

95 32.4 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6880

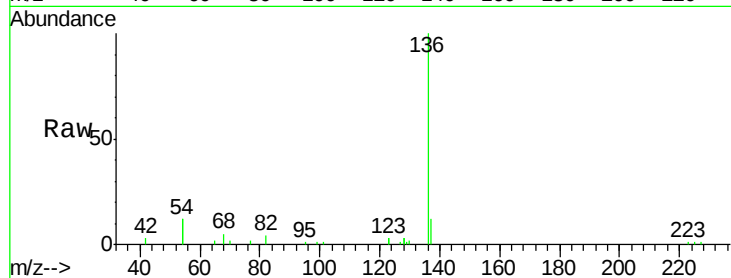
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 24.8 29.1 43.7#

68 5.3 6.2 9.2#

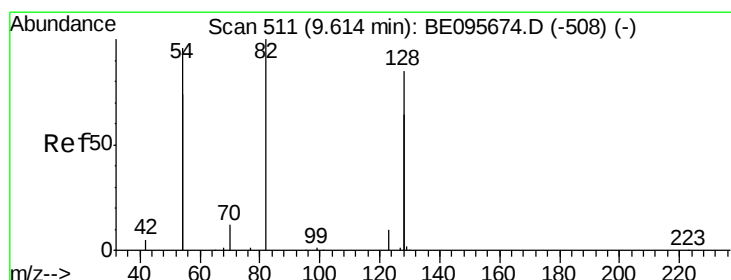
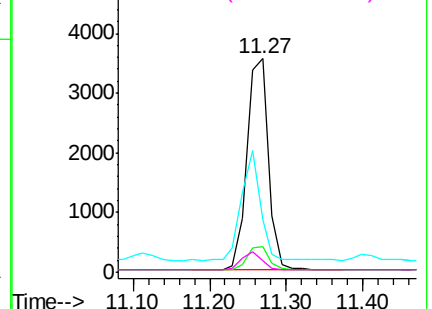
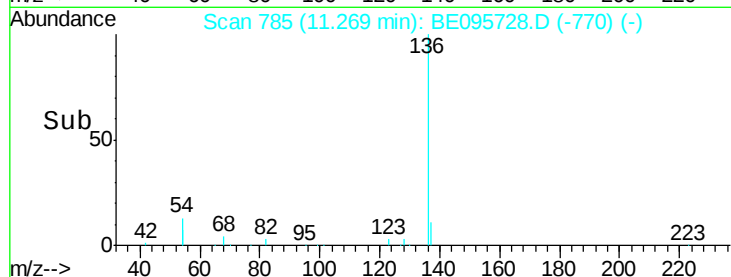


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.369 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

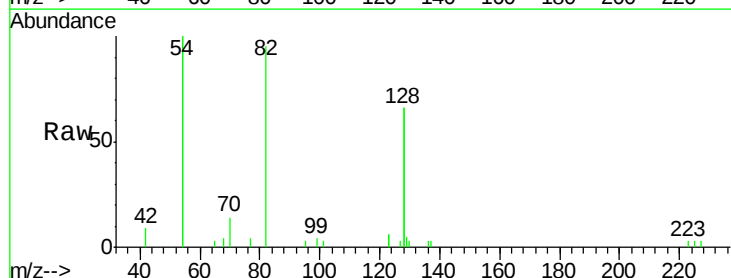
Tgt Ion: 82 Resp: 2616

Ion Ratio Lower Upper

82 100

128 139.2 150.0 225.0#

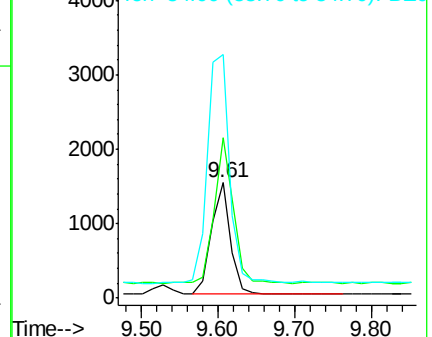
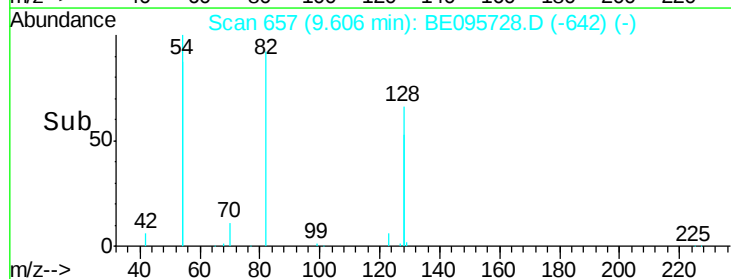
54 210.7 154.2 231.4

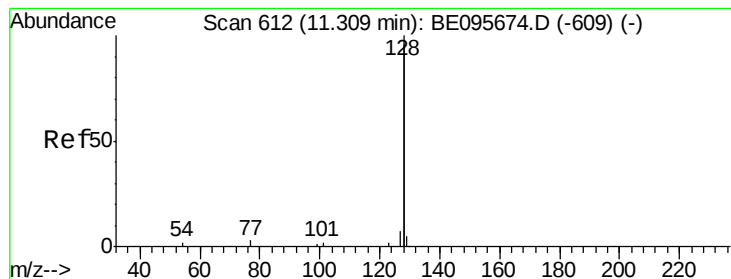


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.364 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

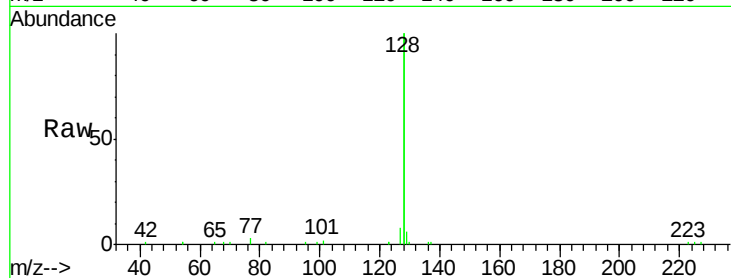
Tot Ion:128 Resp: 28836

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

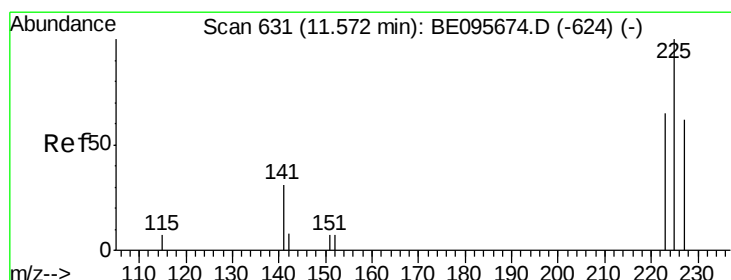
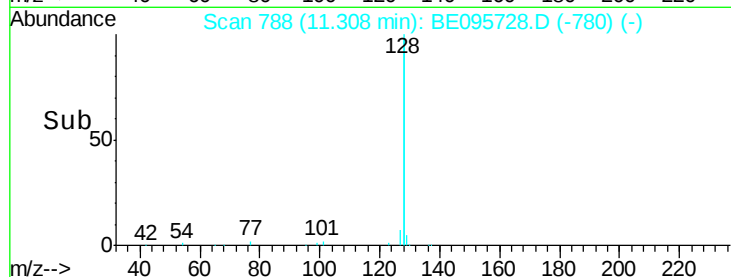
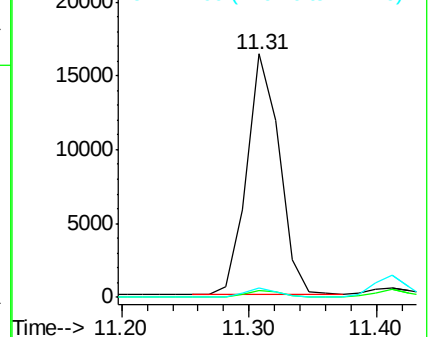
127 3.8 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.384 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

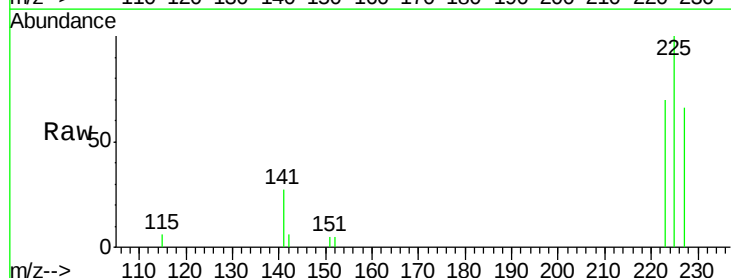
Tgt Ion:225 Resp: 1775

Ion Ratio Lower Upper

225 100

223 63.7 53.0 79.6

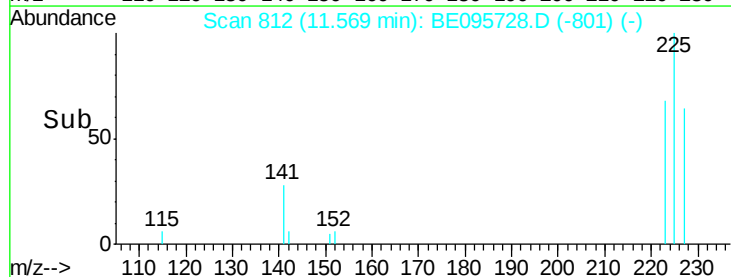
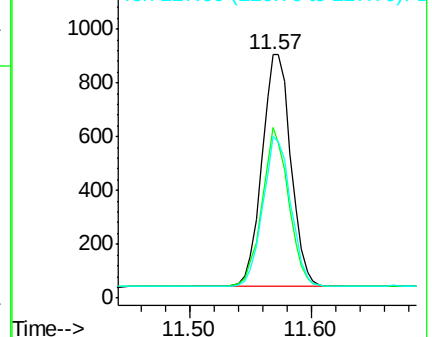
227 67.5 51.4 77.2

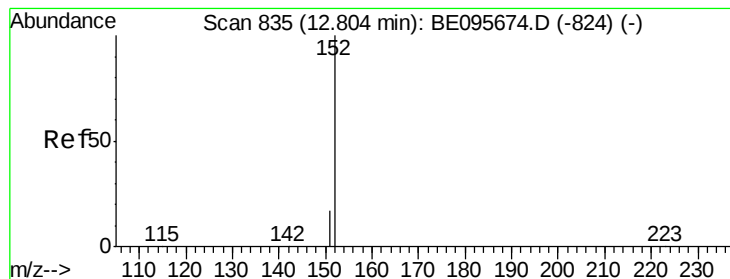


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.368 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

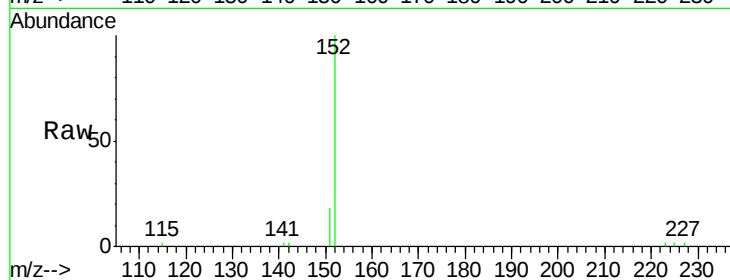
ClientSampleId :

Tot Ion:152 Resp: 4236

Ion Ratio Lower Upper

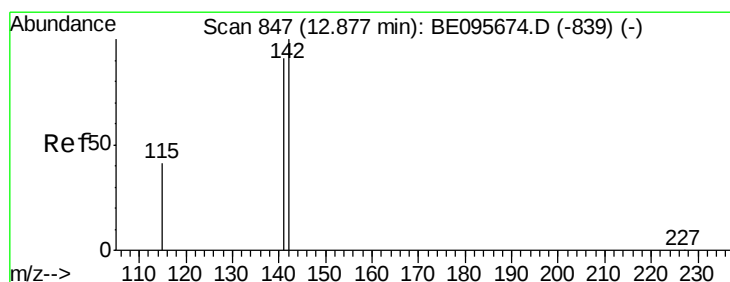
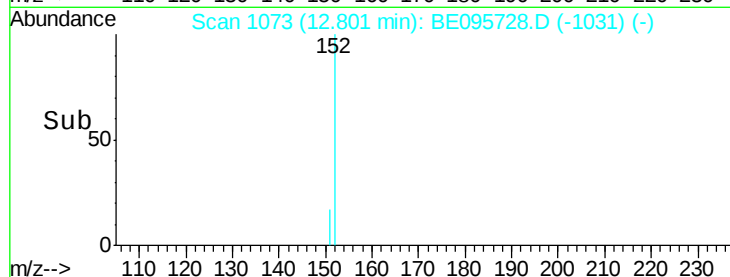
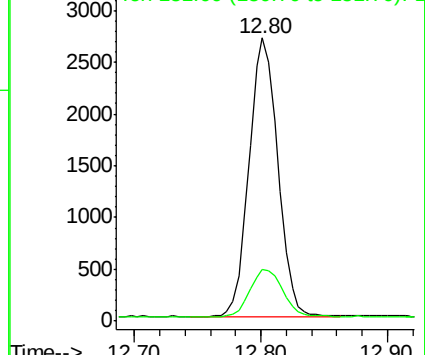
152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.367 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

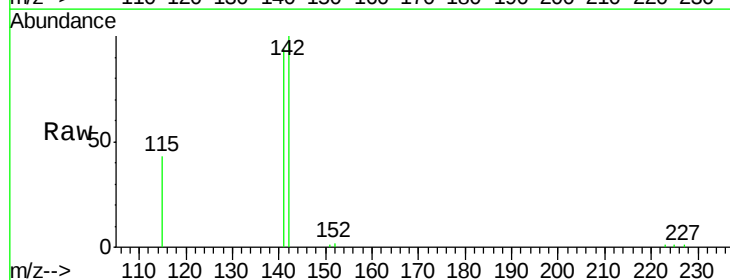
Tgt Ion:142 Resp: 5028

Ion Ratio Lower Upper

142 100

141 93.6 70.4 105.6

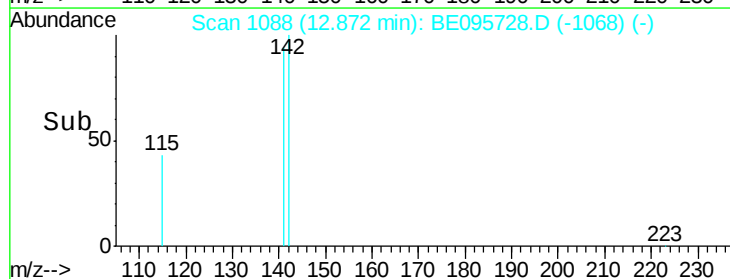
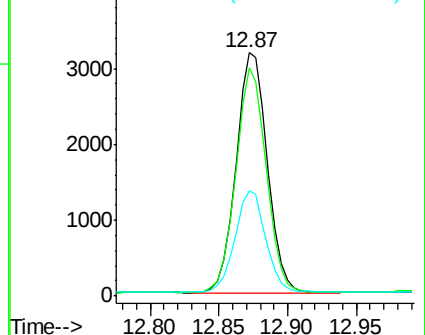
115 43.5 31.7 47.5

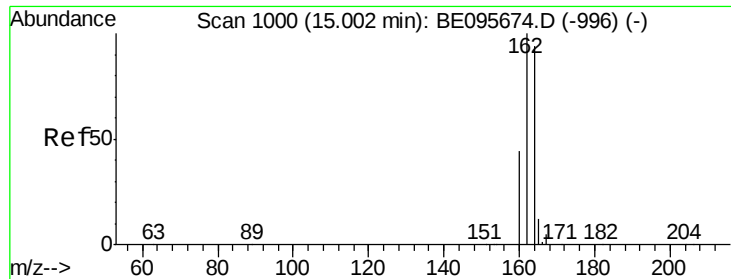


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

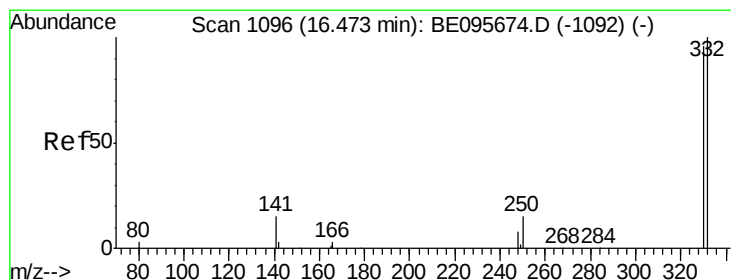
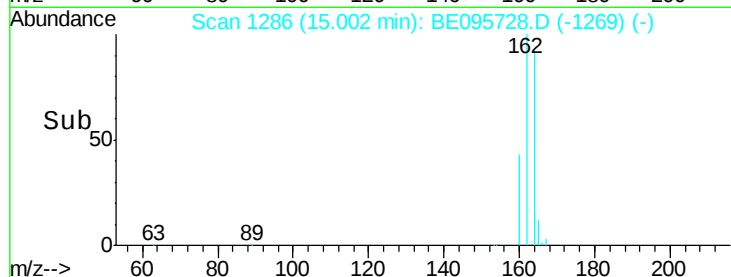
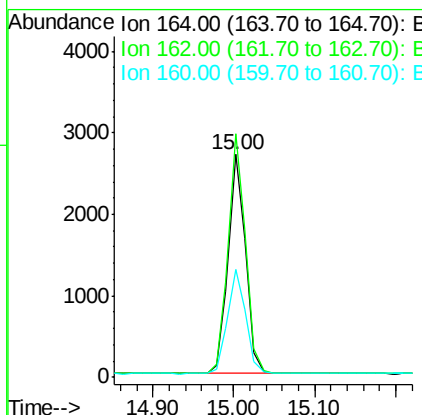
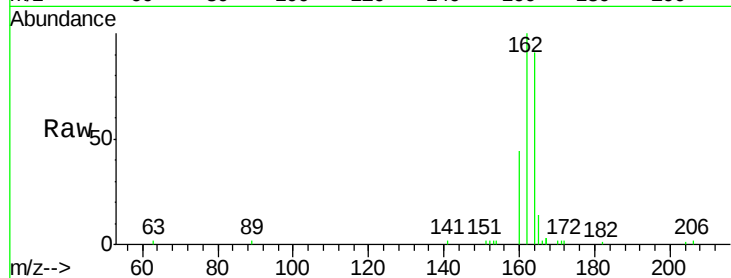




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.00 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: BE095728.D
 Acq: 12 Mar 2018 13:53

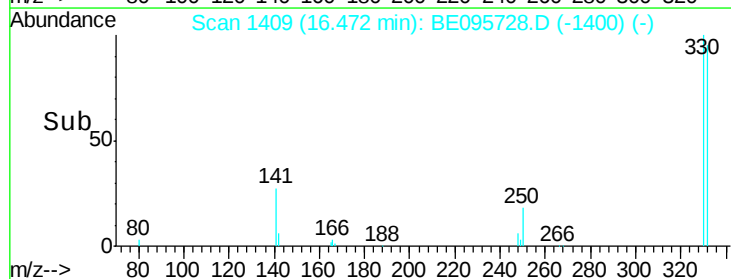
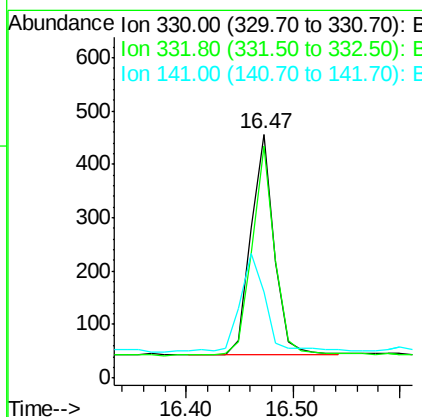
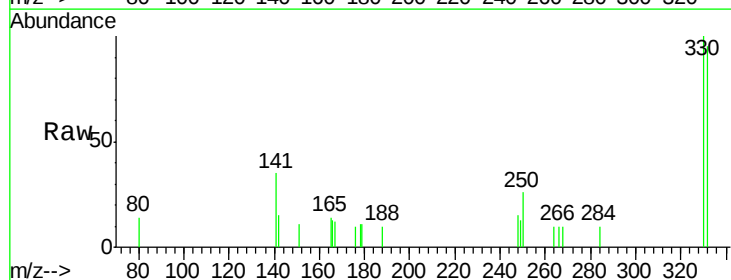
Instrument :
 BNA_E
 ClientSampleId :

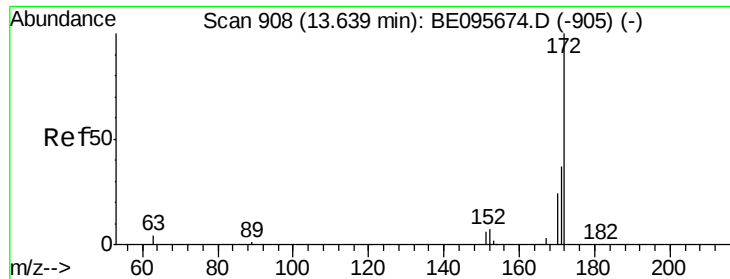
Tot Ion:164 Resp: 3986
 Ion Ratio Lower Upper
 164 100
 162 109.4 83.1 124.7
 160 48.4 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.441 ng
 RT: 16.47 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BE095728.D
 Acq: 12 Mar 2018 13:53

Tgt Ion:330 Resp: 621
 Ion Ratio Lower Upper
 330 100
 332 93.1 152.7 229.1#
 141 47.0 33.7 50.5

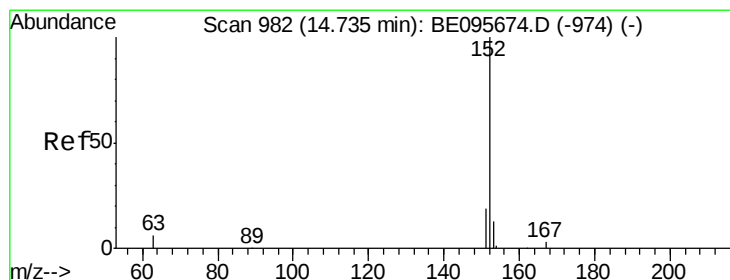
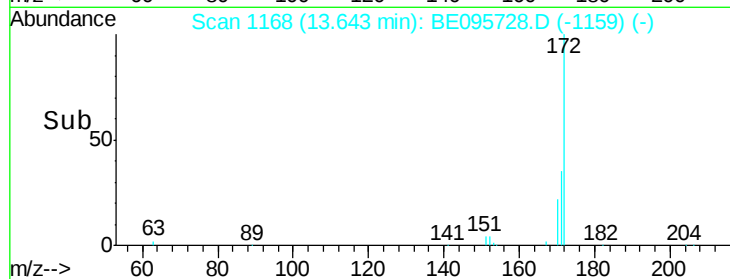
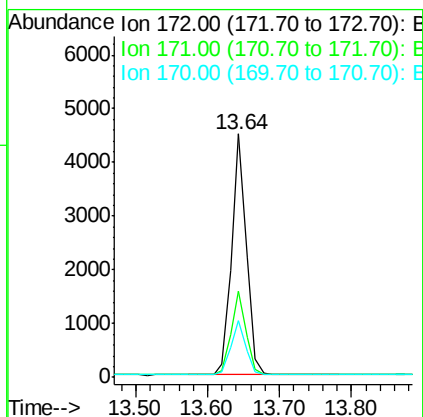
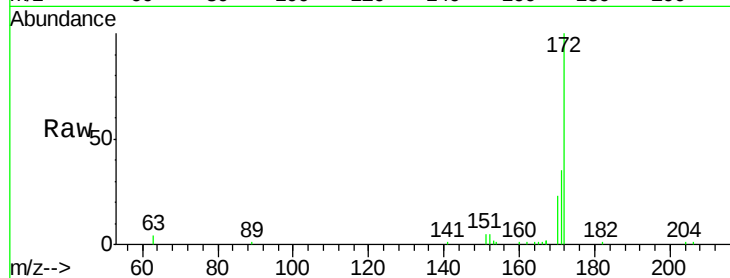




#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

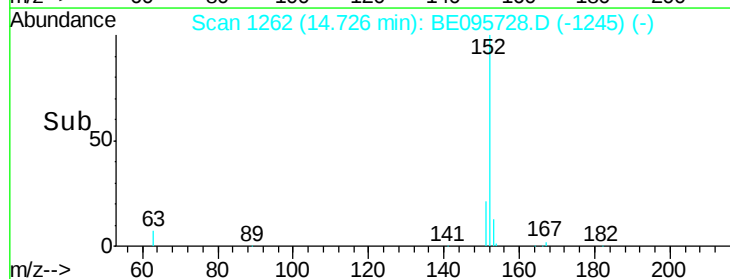
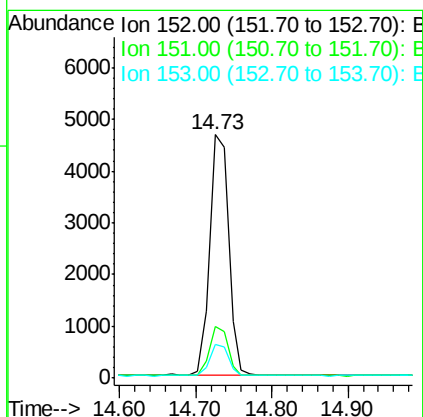
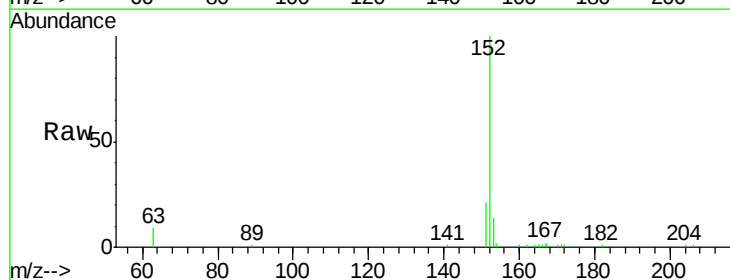
Instrument :
BNA_E
ClientSampleId :

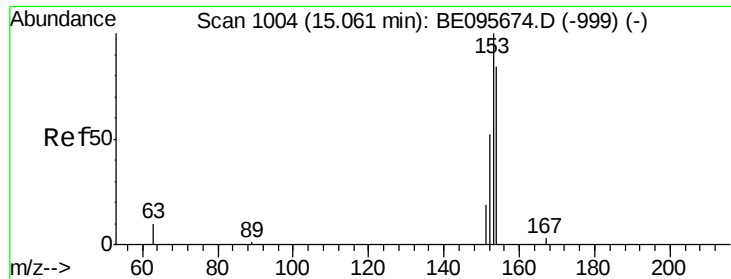
Tot Ion:172 Resp: 6343
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 23.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.359 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:152 Resp: 8032
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.359 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

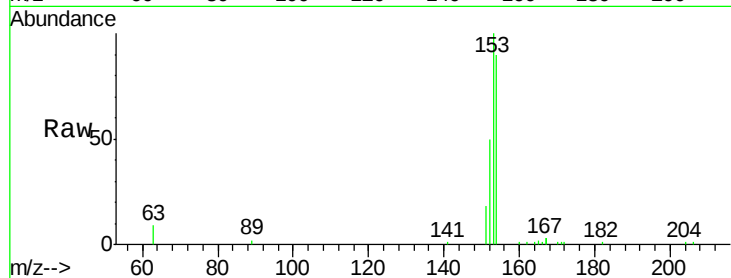
Tot Ion:154 Resp: 5054

Ion Ratio Lower Upper

154 100

153 114.4 89.2 133.8

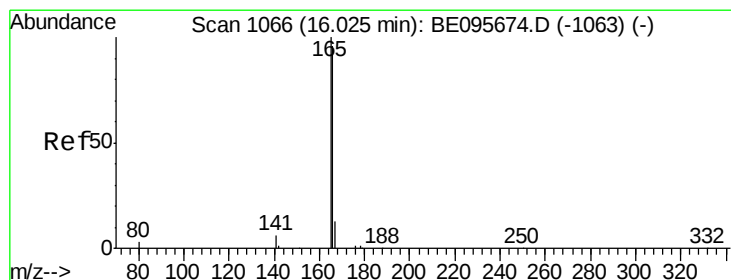
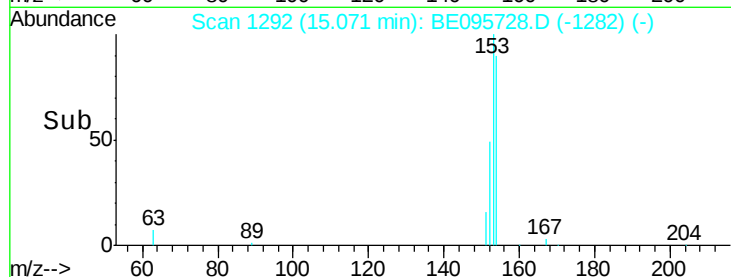
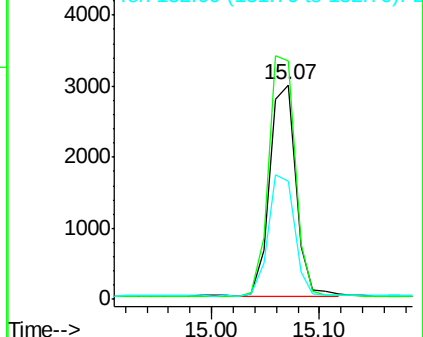
152 57.5 42.0 63.0



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: 0.353 ng

RT: 16.03 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

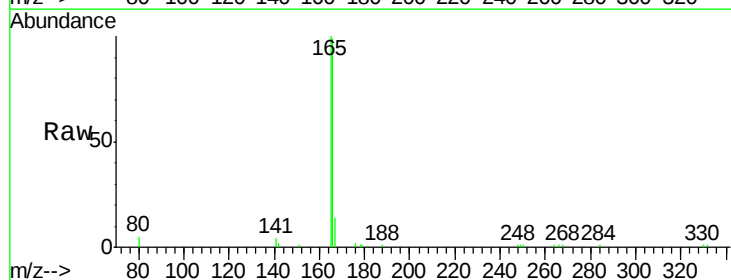
Tgt Ion:166 Resp: 6156

Ion Ratio Lower Upper

166 100

165 101.6 77.8 116.6

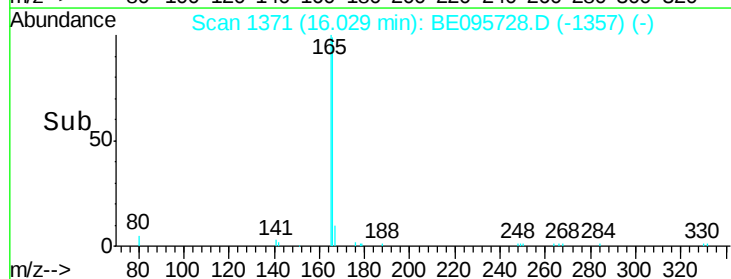
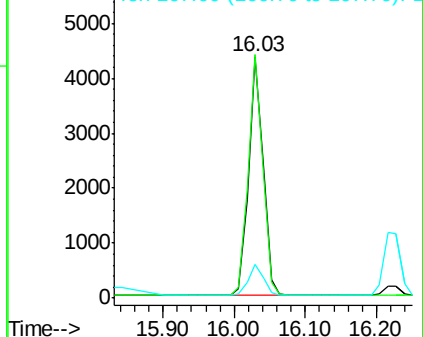
167 13.8 42.4 63.6#

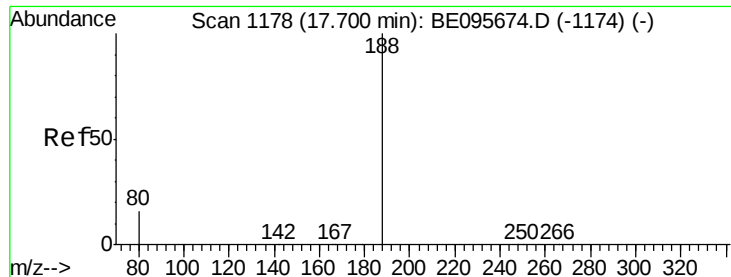


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

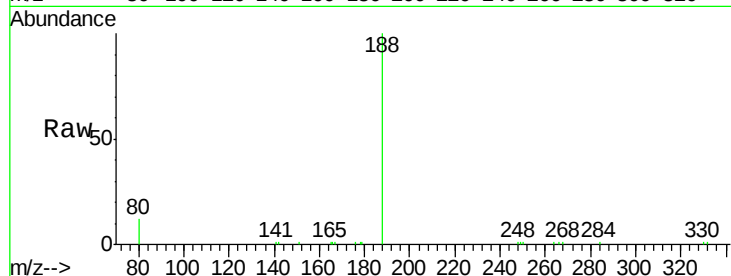
Tot Ion:188 Resp: 8765

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

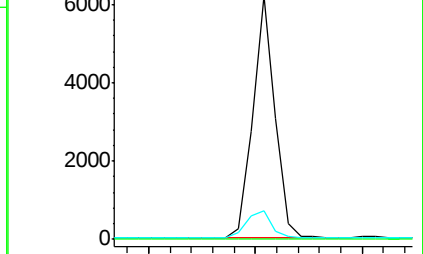
80 11.8 3.6 5.4#



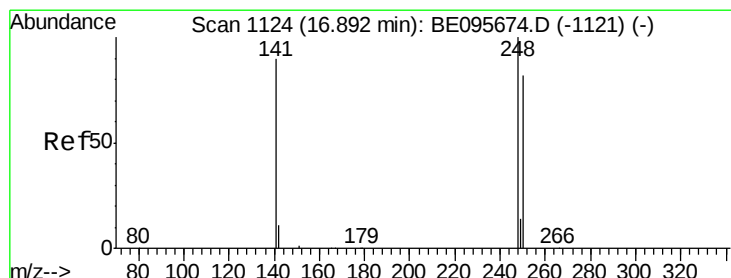
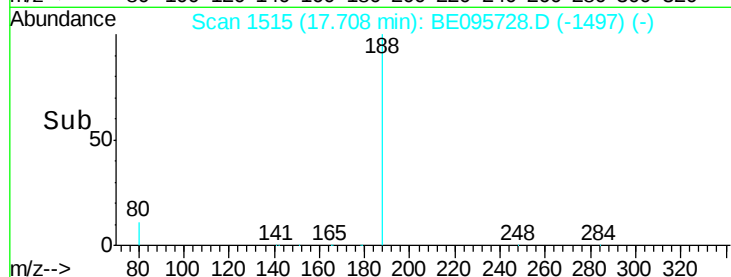
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.358 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

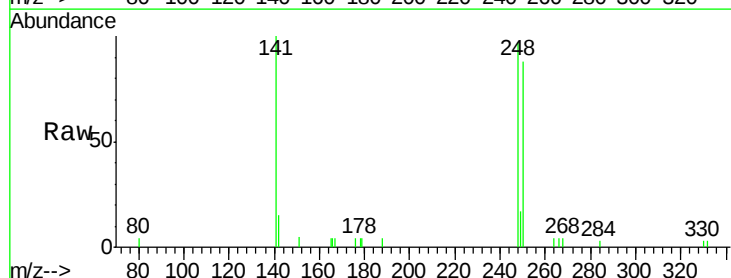
Tgt Ion:248 Resp: 1967

Ion Ratio Lower Upper

248 100

250 90.8 62.7 94.1

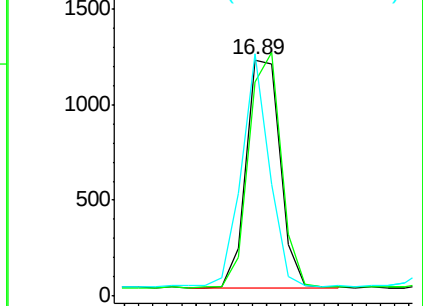
141 102.7 48.2 72.2#



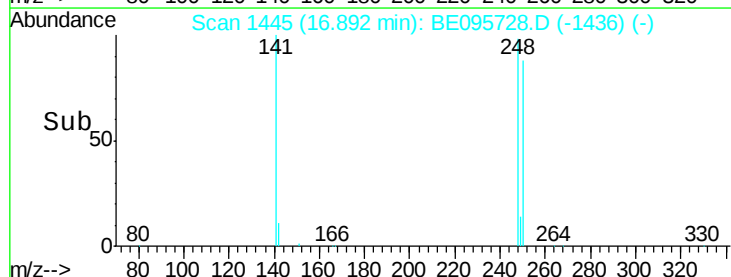
Abundance Ion 248.00 (247.70 to 248.70): E

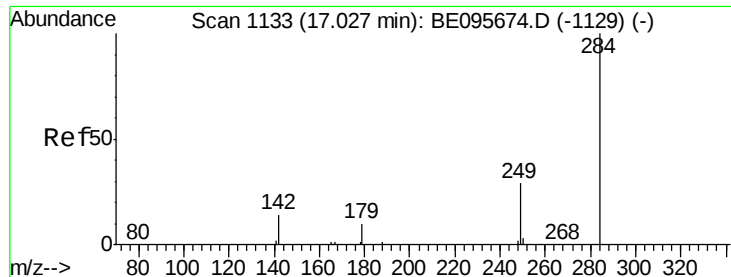
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.350 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

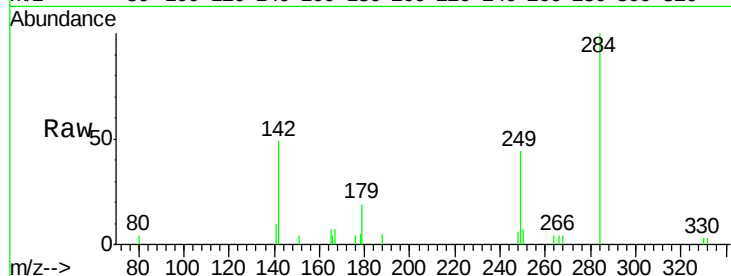
Tot Ion:284 Resp: 1992

Ion Ratio Lower Upper

284 100

142 42.0 22.1 33.1#

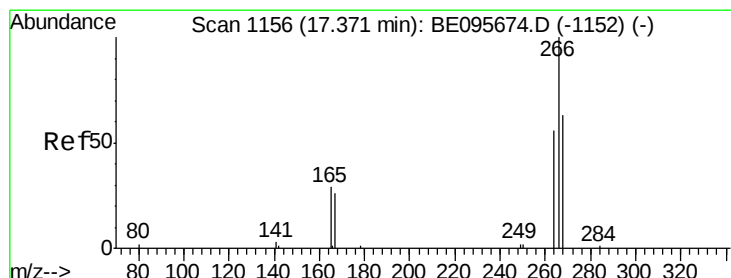
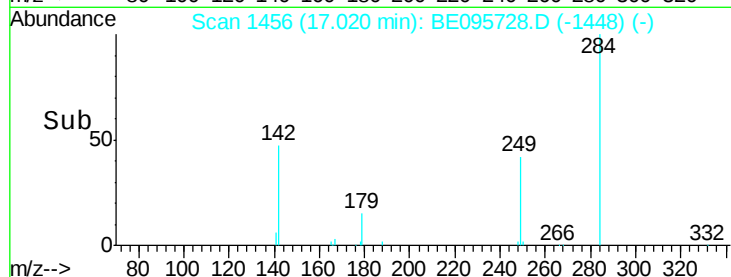
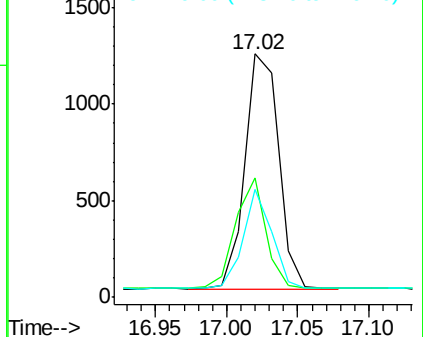
249 36.2 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.717 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

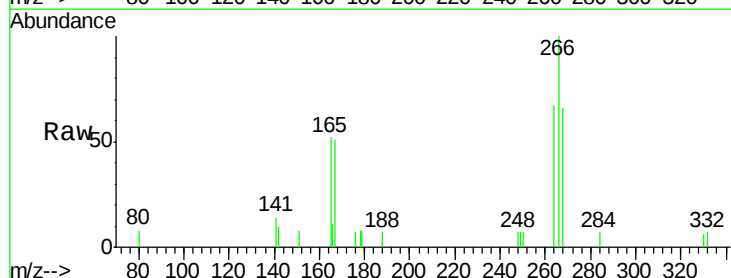
Tgt Ion:266 Resp: 1127

Ion Ratio Lower Upper

266 100

264 66.8 72.5 108.7#

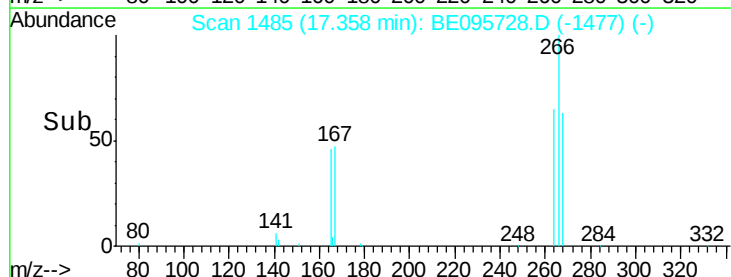
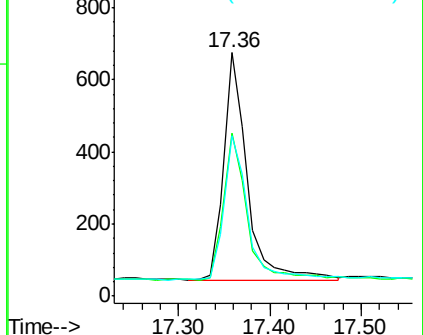
268 65.9 73.8 110.6#

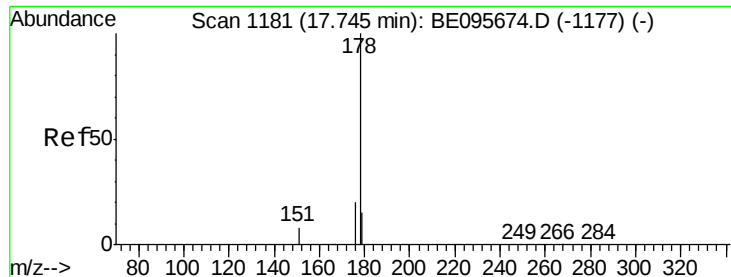


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.354 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

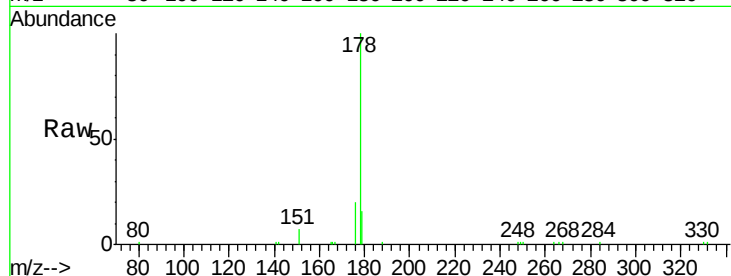
Tot Ion:178 Resp: 9701

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

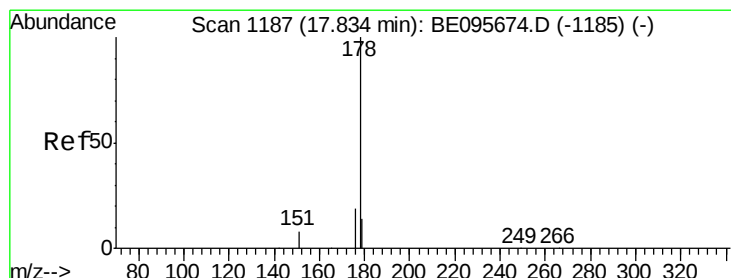
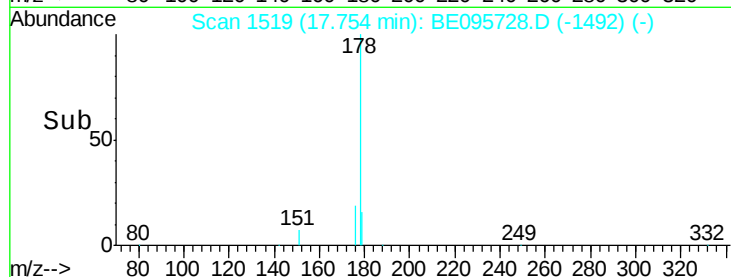
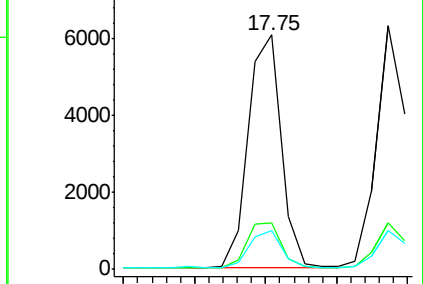
179 15.0 11.8 17.6



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: 0.366 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

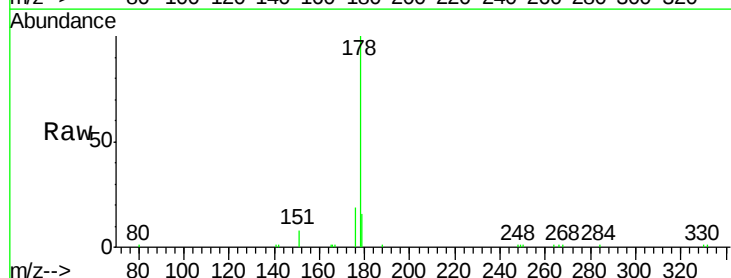
Tgt Ion:178 Resp: 9199

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

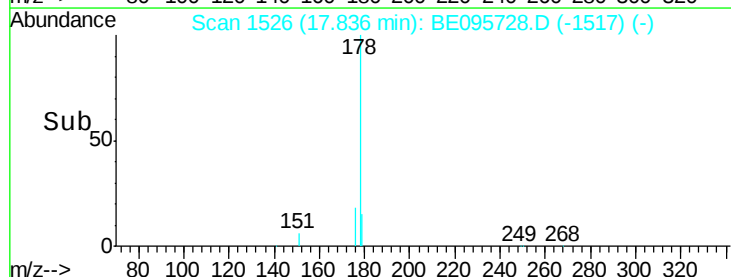
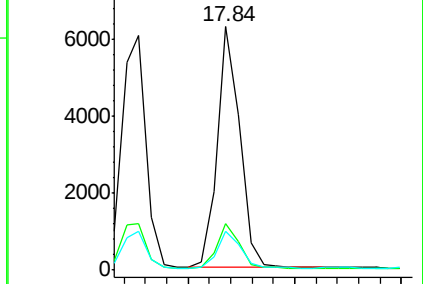
179 15.4 13.0 19.6

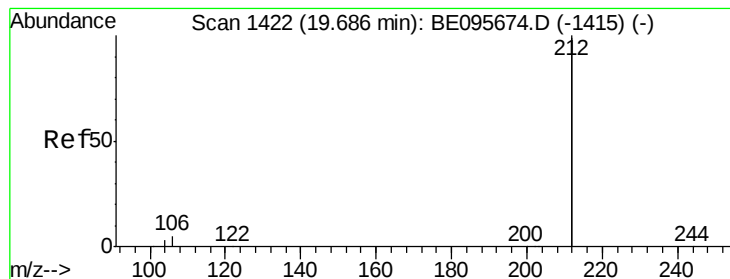


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

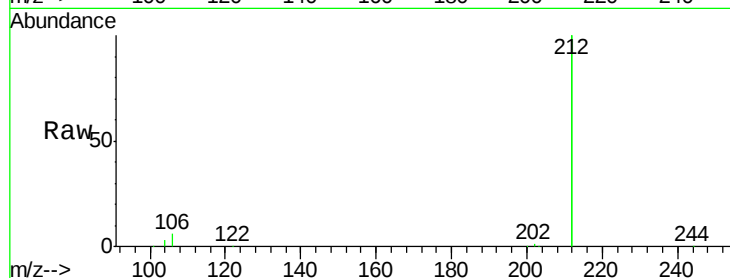
Tot Ion:212 Resp: 40990

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

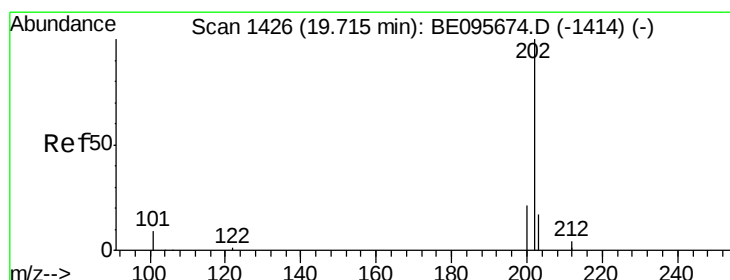
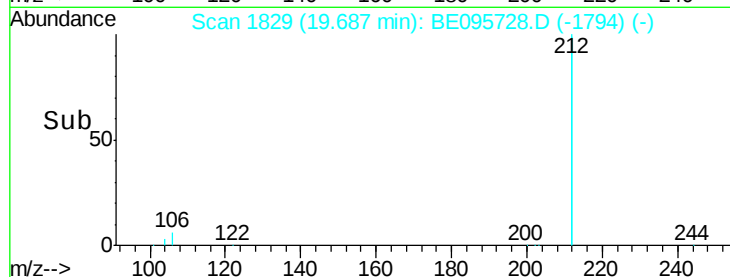
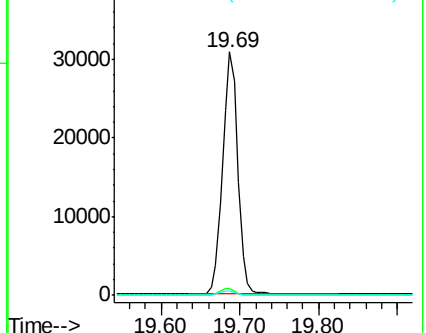
104 1.7 1.6 2.4



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: 0.352 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

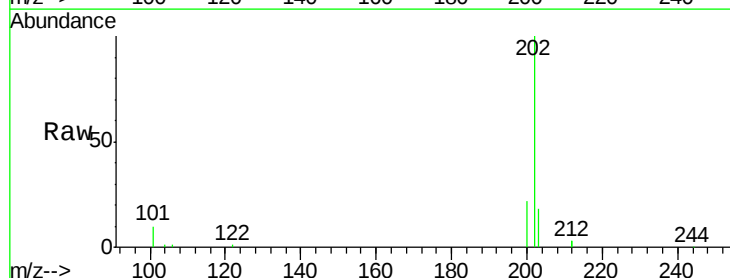
Tgt Ion:202 Resp: 11860

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

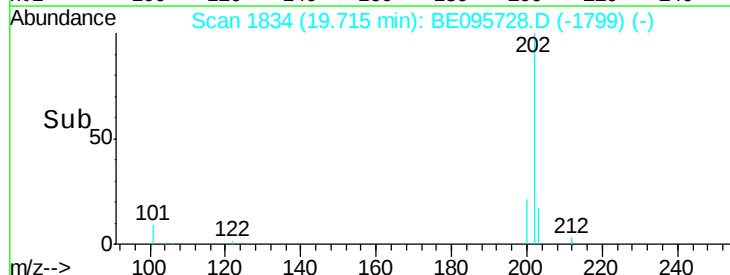
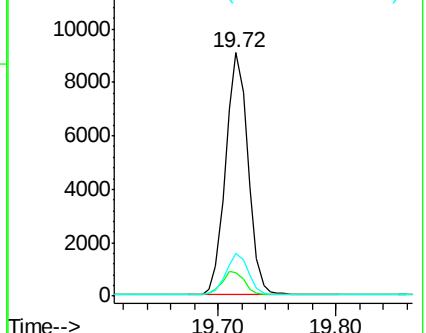
203 17.0 13.7 20.5

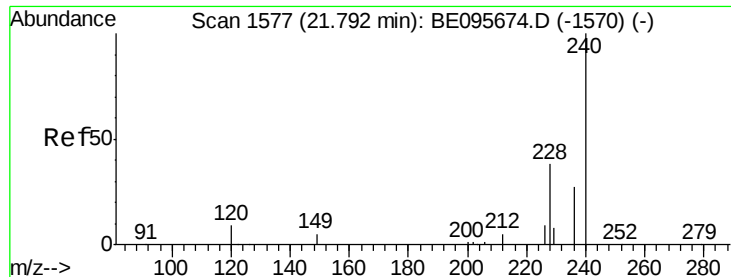


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

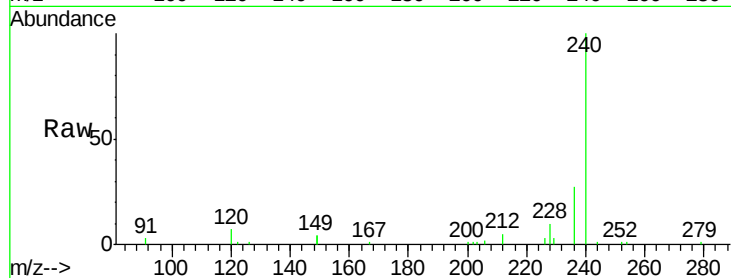
Tot Ion:240 Resp: 8776

Ion Ratio Lower Upper

240 100

120 6.6 5.5 8.3

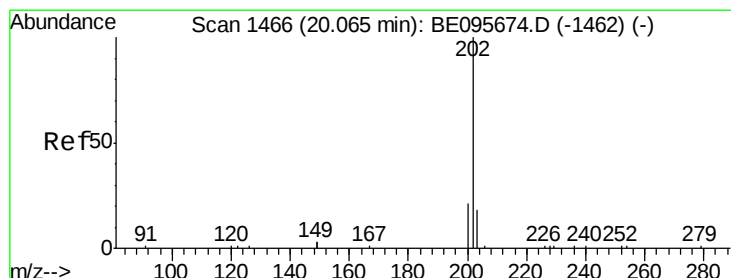
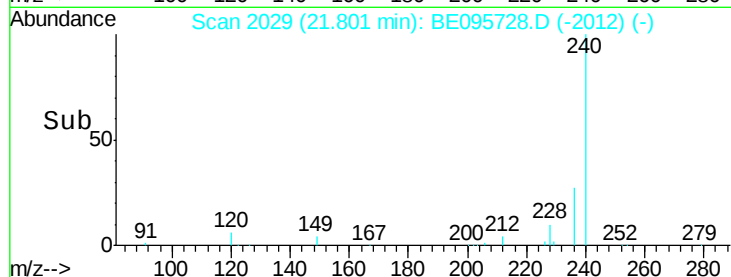
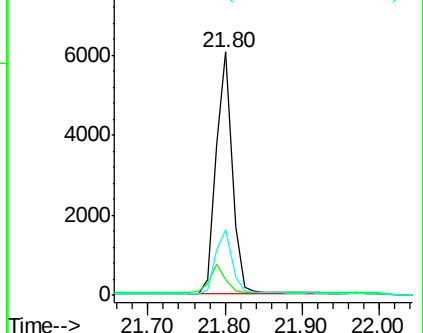
236 27.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.386 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

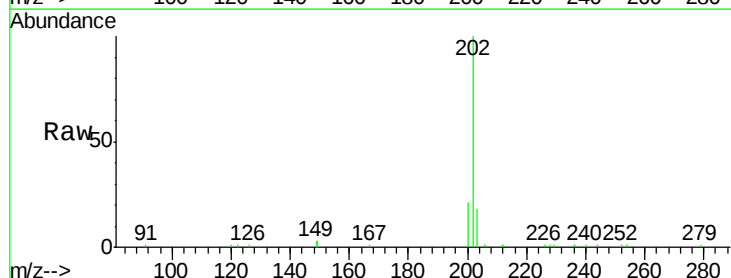
Tgt Ion:202 Resp: 13857

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

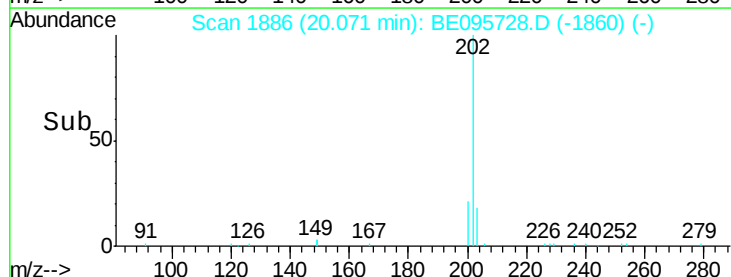
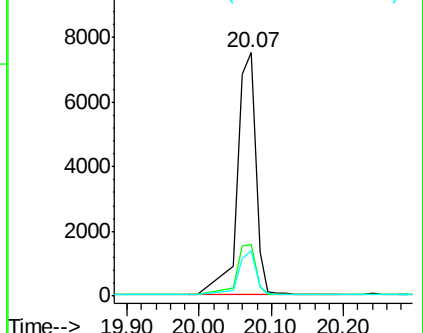
203 18.9 13.8 20.8



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: 0.386 ng

RT: 20.25 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

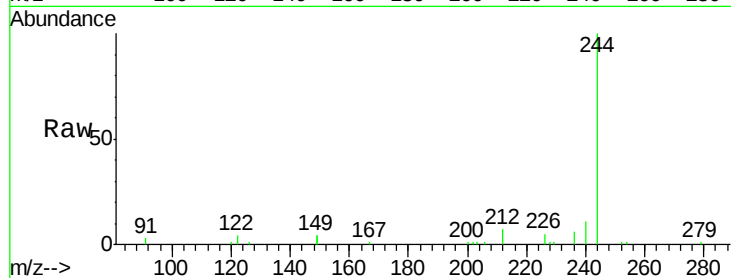
Tot Ion:244 Resp: 6748

Ion Ratio Lower Upper

244 100

212 7.4 25.4 38.0#

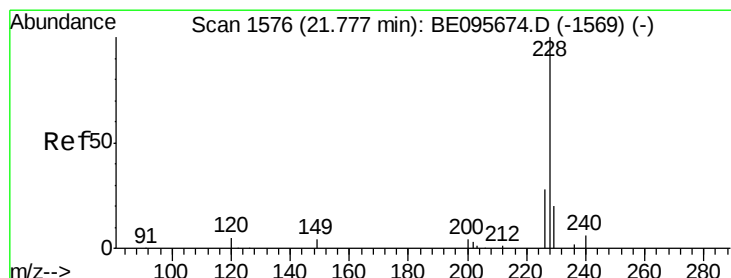
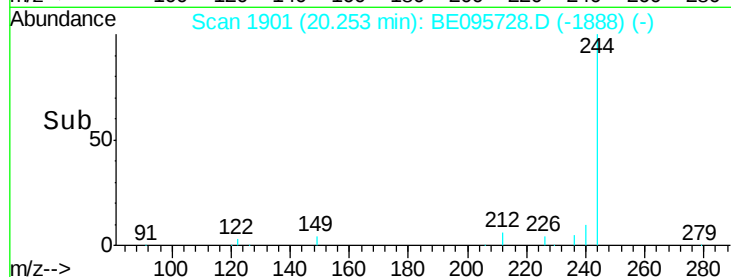
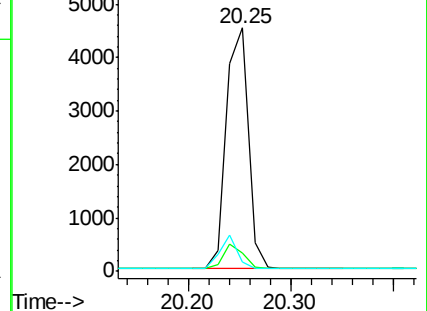
122 3.9 8.1 12.1#



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: 0.384 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

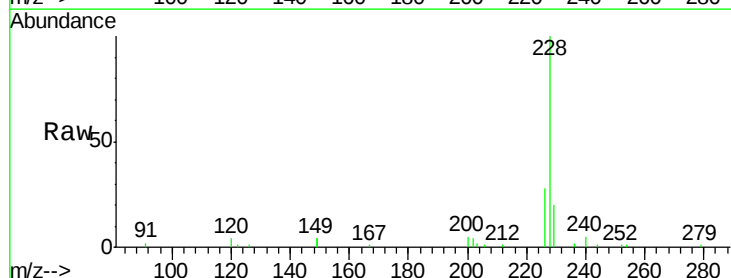
Tgt Ion:228 Resp: 10998

Ion Ratio Lower Upper

228 100

226 28.4 24.0 36.0

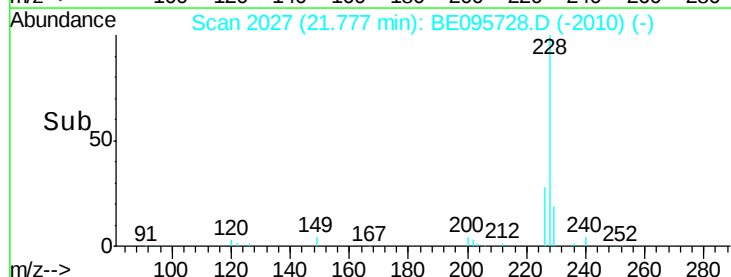
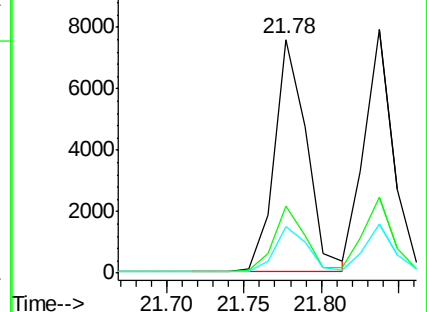
229 19.9 16.0 24.0

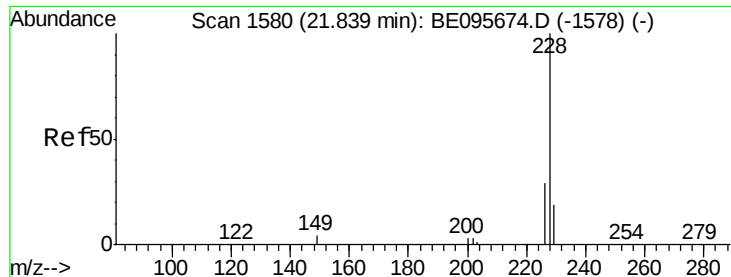


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.361 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

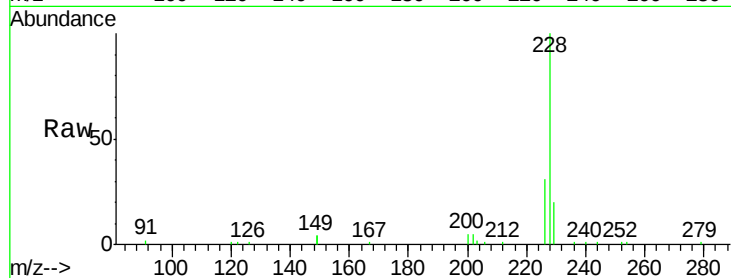
Tot Ion:228 Resp: 10285

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

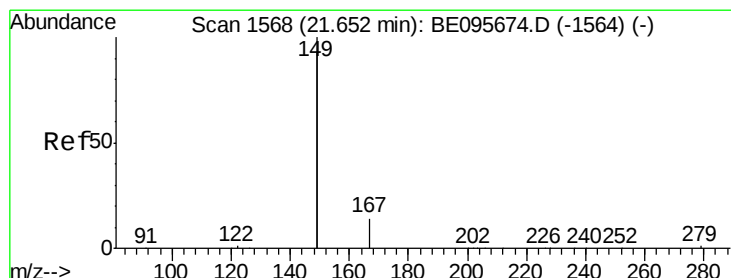
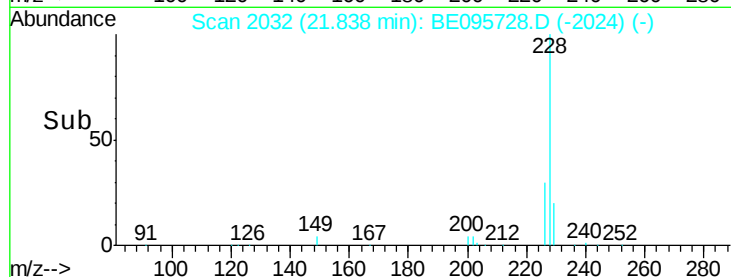
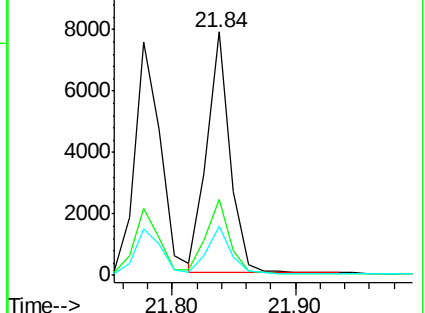
229 20.4 16.0 24.0



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: 0.459 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

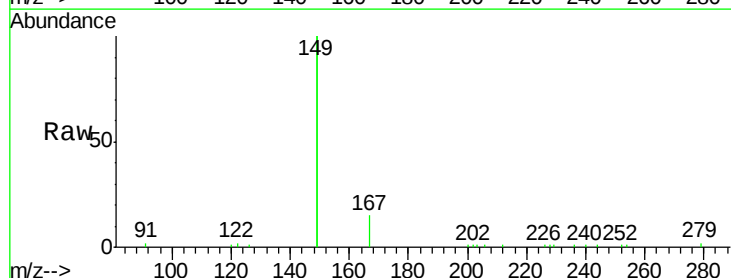
Tgt Ion:149 Resp: 23242

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

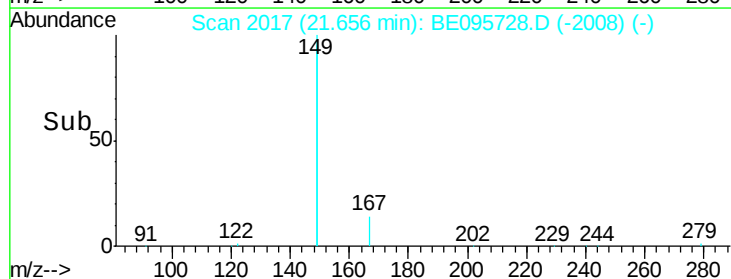
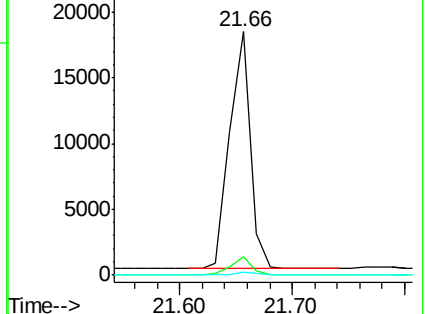
279 0.9 0.7 1.1

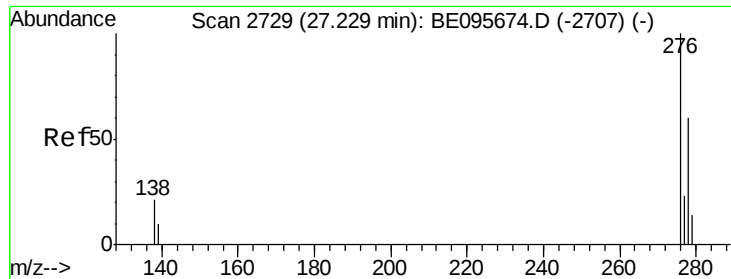


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

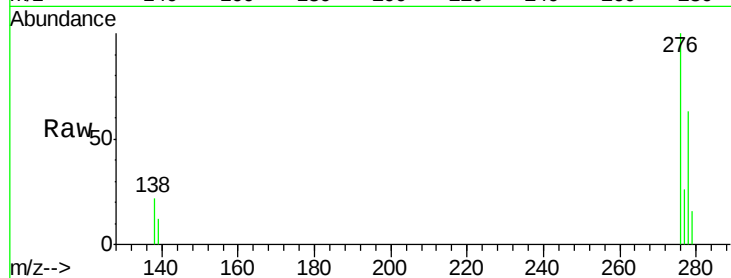




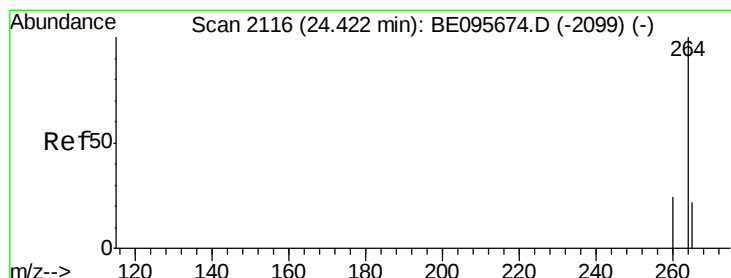
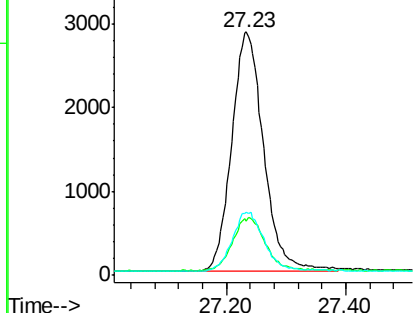
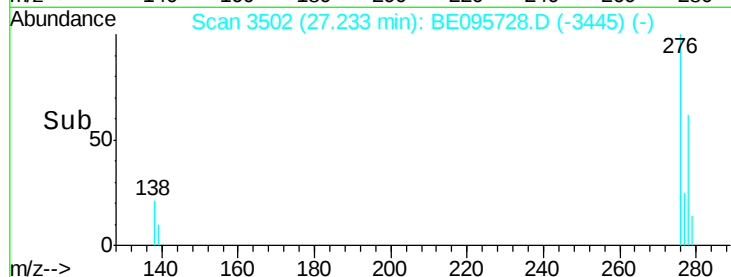
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.385 ng
 RT: 27.23 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: BE095728.D
 Acq: 12 Mar 2018 13:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 10628
 Ion Ratio Lower Upper
 276 100
 138 22.5 22.5 33.7#
 277 24.1 19.9 29.9

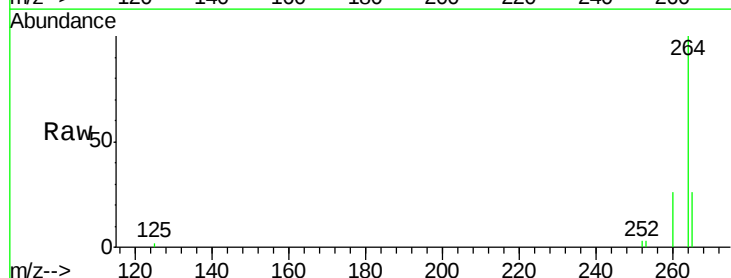


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

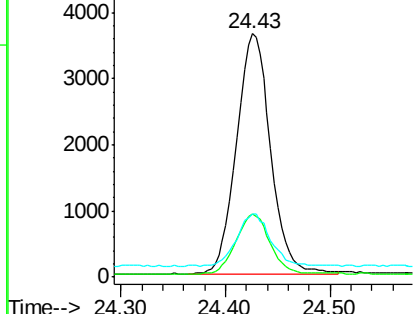
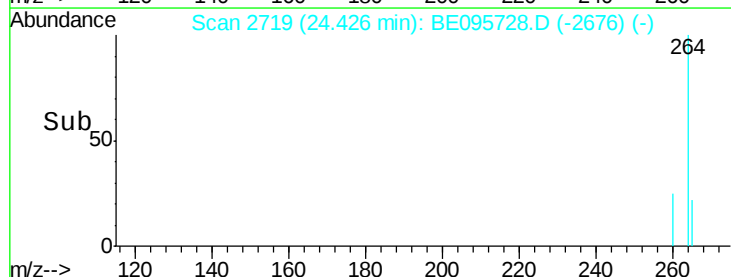


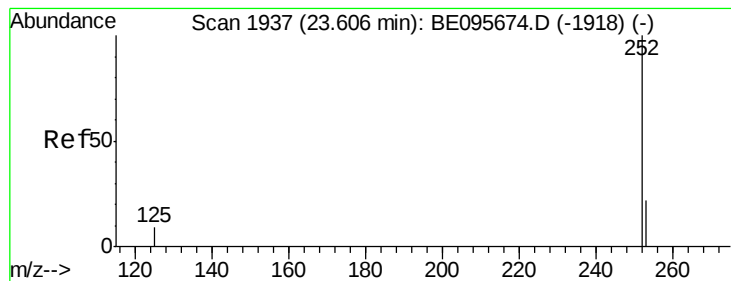
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE095728.D
 Acq: 12 Mar 2018 13:53

Tgt Ion:264 Resp: 8166
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 25.8 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: 0.354 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :

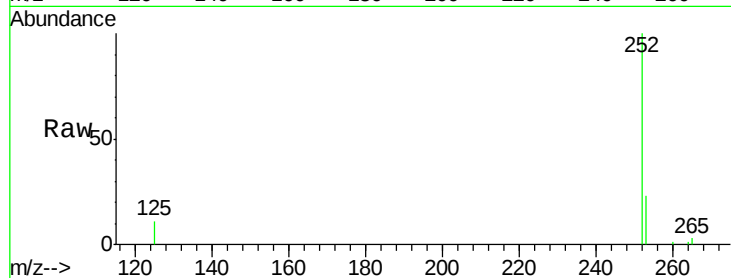
Tot Ion:252 Resp: 10298

Ion Ratio Lower Upper

252 100

253 23.4 20.0 30.0

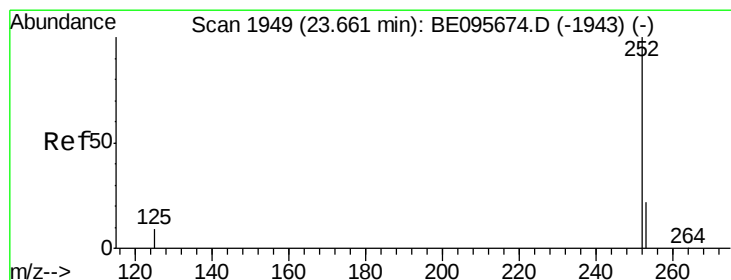
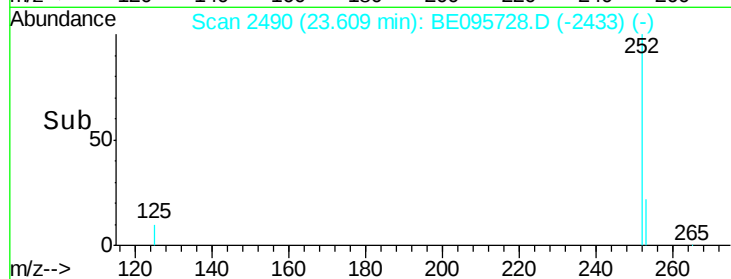
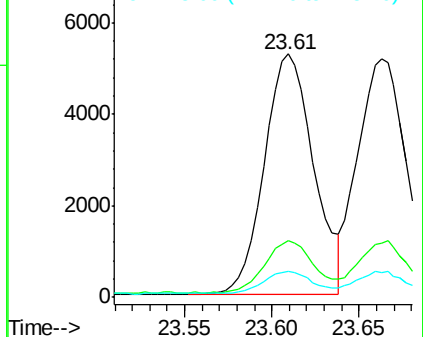
125 10.9 16.0 24.0#



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: 0.350 ng

RT: 23.66 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

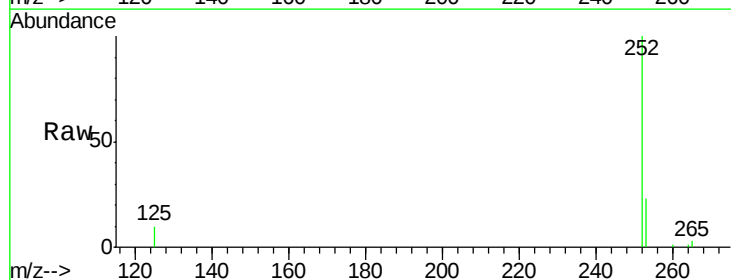
Tgt Ion:252 Resp: 10124

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

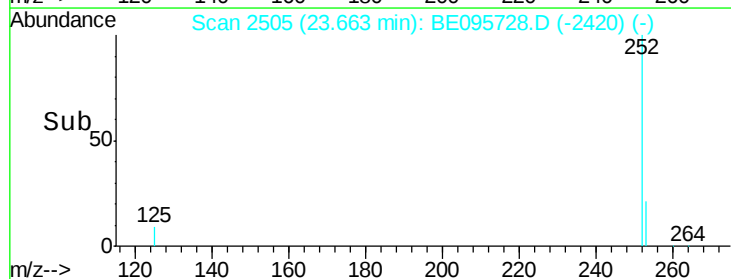
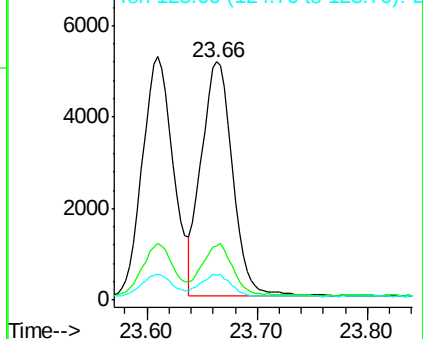
125 10.3 8.0 12.0

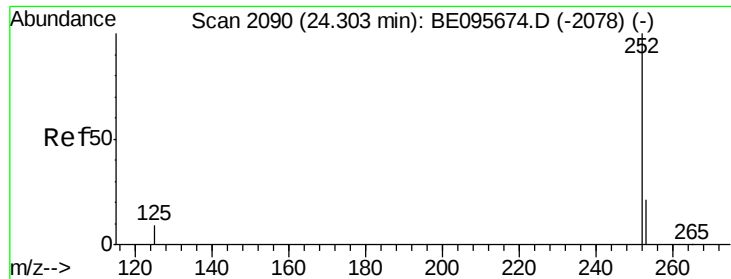


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

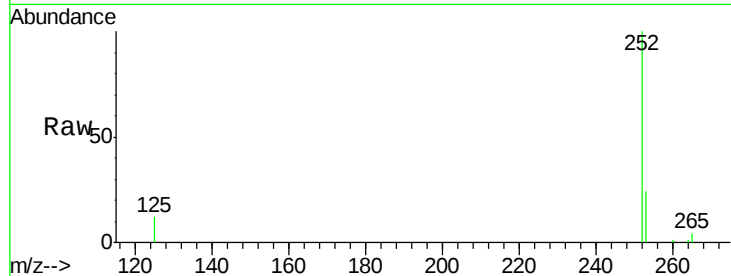




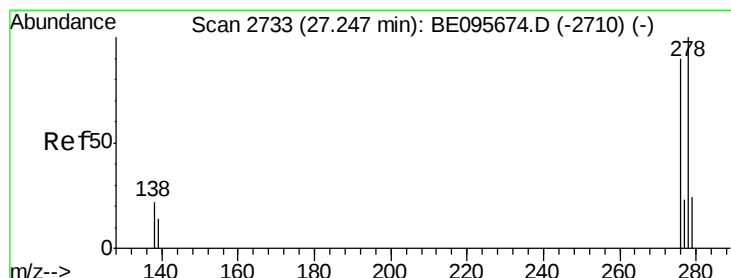
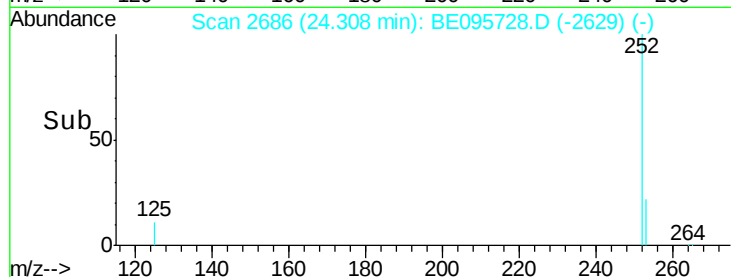
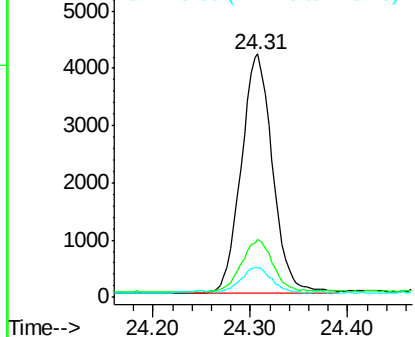
#37
Benzo(a)pyrene
Concen: 0.357 ng
RT: 24.31 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 9348
Ion Ratio Lower Upper
252 100
253 23.8 16.0 24.0
125 12.4 12.0 18.0

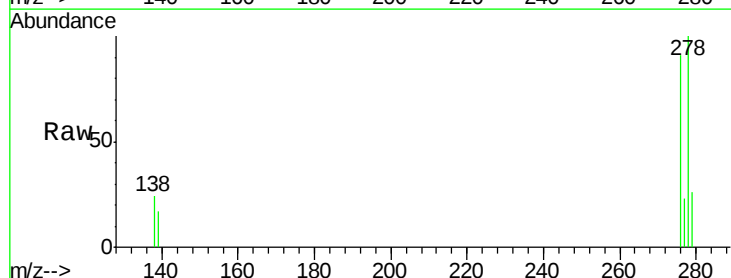


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

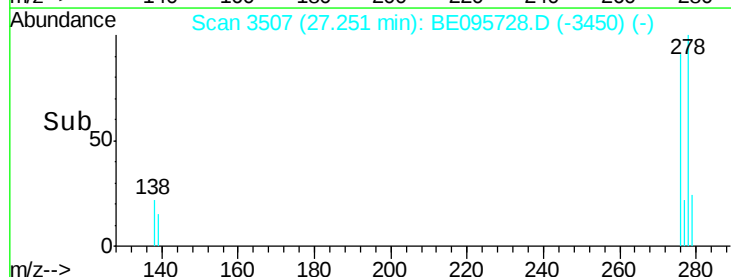
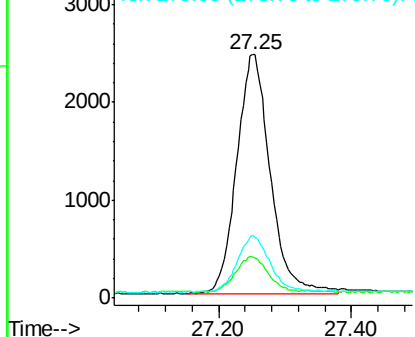


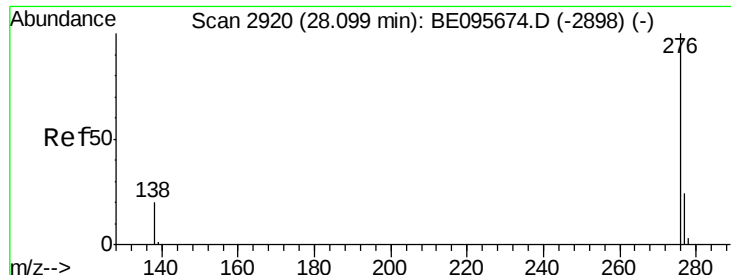
#38
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 27.25 min Scan# 3507
Delta R.T. 0.00 min
Lab File: BE095728.D
Acq: 12 Mar 2018 13:53

Tgt Ion:278 Resp: 8586
Ion Ratio Lower Upper
278 100
139 17.0 16.0 24.0
279 25.9 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: 0.355 ng

RT: 28.11 min Scan# 3748

Delta R.T. 0.01 min

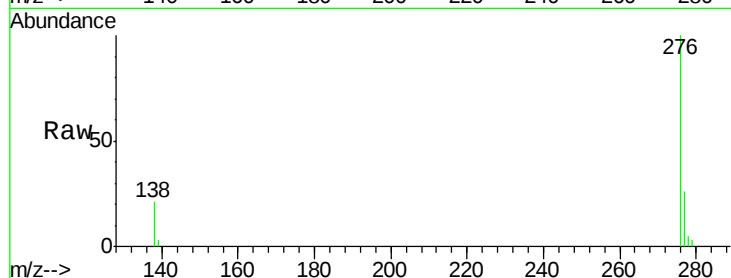
Lab File: BE095728.D

Acq: 12 Mar 2018 13:53

Instrument :

BNA_E

ClientSampleId :



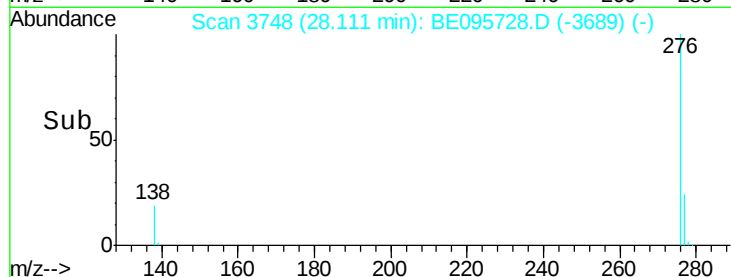
Tot Ion: 276 Resp: 8866

Ion Ratio Lower Upper

276 100

277 25.9 16.0 24.0#

138 21.4 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

