

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030718\
 Data File : BE095721.D
 Acq On : 7 Mar 2018 13:30
 Operator : SJ/JU
 Sample : J1811-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 07 14:33:48 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	1624	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	6374	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3625	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	8106	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8370	0.40	ng	0.00
34) Perylene-d12	24.43	264	8115	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1043	0.24	ng	0.00
5) Phenol-d6	7.56	99	1465	0.25	ng	0.00
8) Nitrobenzene-d5	9.61	82	1585	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2390	0.22	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	338	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3364	0.21	ng	0.00
25) Fluoranthene-d10	19.69	212	20458	0.19	ng	0.00
29) Terphenyl-d14	20.25	244	3194	0.19	ng	0.00

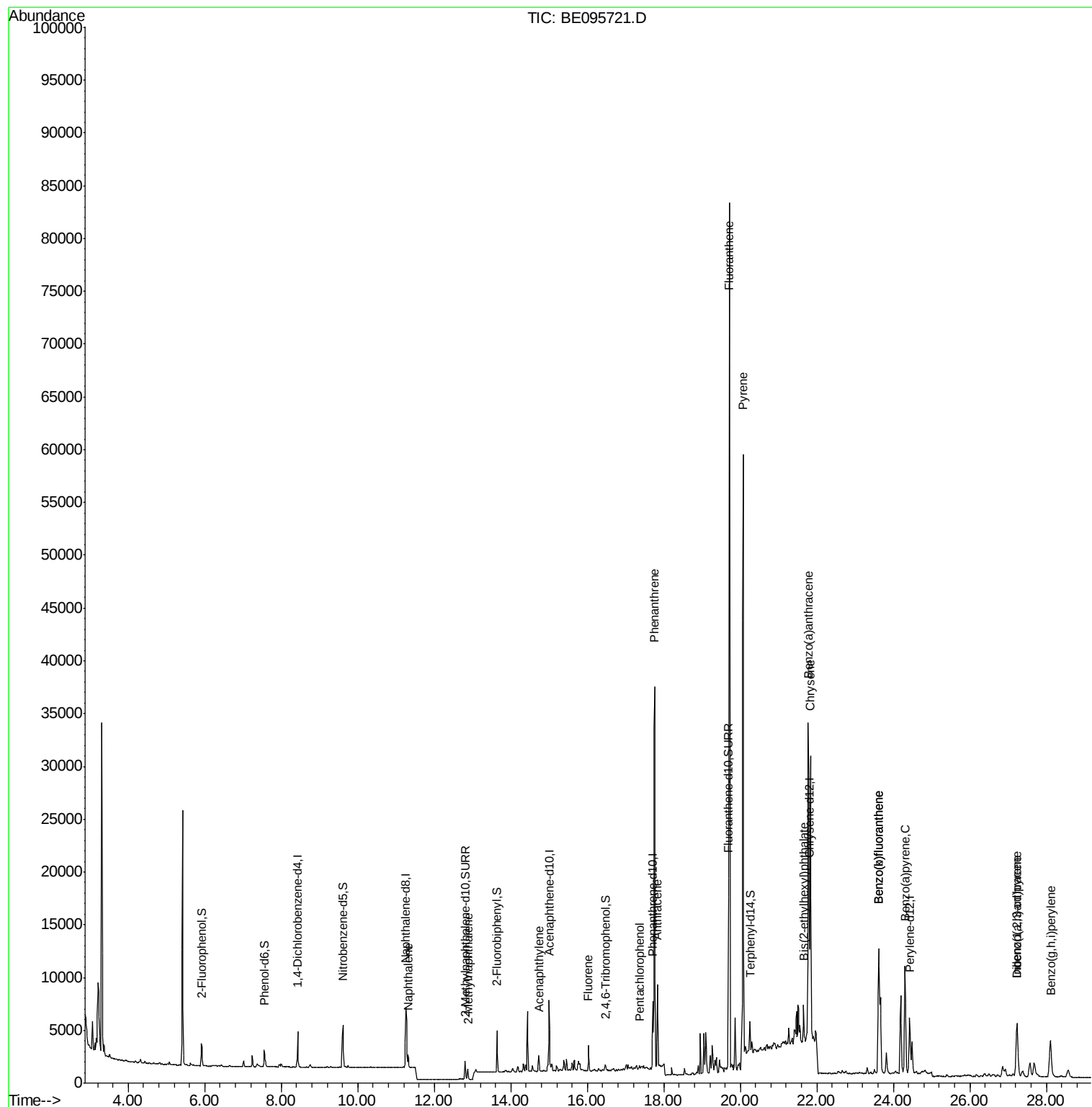
Target Compounds				Qvalue		
9) Naphthalene	11.31	128	1874	0.026	ng	# 91
12) 2-Methylnaphthalene	12.88	142	677	0.053	ng	95
16) Acenaphthylene	14.74	152	1881	0.092	ng	96
18) Fluorene	16.03	166	1722	0.109	ng	# 77
22) Pentachlorophenol	17.37	266	22	0.190	ng	97
23) Phenanthrene	17.75	178	40715	1.607	ng	98
24) Anthracene	17.84	178	8341	0.359	ng	95
26) Fluoranthene	19.72	202	72476	2.325	ng	# 97
28) Pyrene	20.07	202	70114	2.048	ng	96
30) Benzo(a)anthracene	21.78	228	28284	1.036	ng	99
31) Chrysene	21.84	228	26169	0.964	ng	95
32) Bis(2-ethylhexyl)phthalate	21.66	149	4111	0.085	ng	# 95
33) Indeno(1,2,3-cd)pyrene	27.23	276	9822	0.373	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	24351	0.842	ng	# 91
36) Benzo(k)fluoranthene	23.61	252	24351	0.847	ng	# 93
37) Benzo(a)pyrene	24.30	252	16816	0.645	ng	# 92
38) Dibenzo(a,h)anthracene	27.24	278	2864	0.124	ng	# 84
39) Benzo(a,h,i)perylene	28.11	276	9098	0.366	ng	# 91

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

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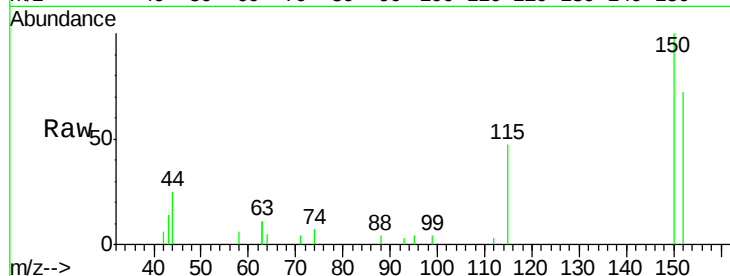


#1

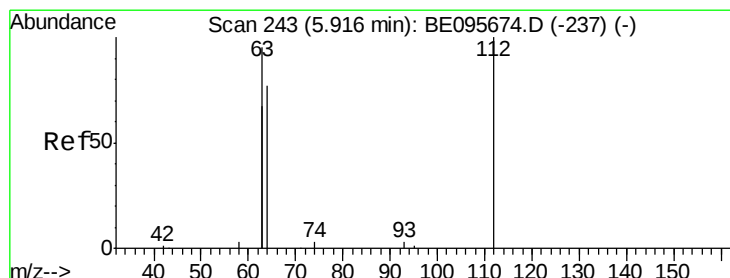
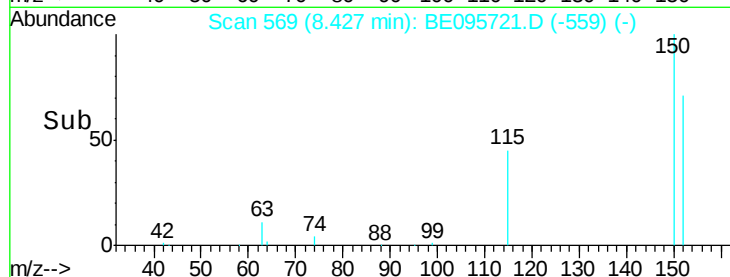
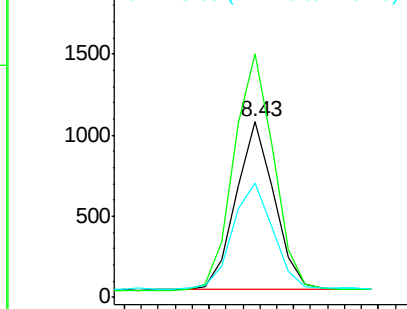
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1624
Ion Ratio Lower Upper
152 100
150 138.7 117.2 175.8
115 65.1 57.0 85.6



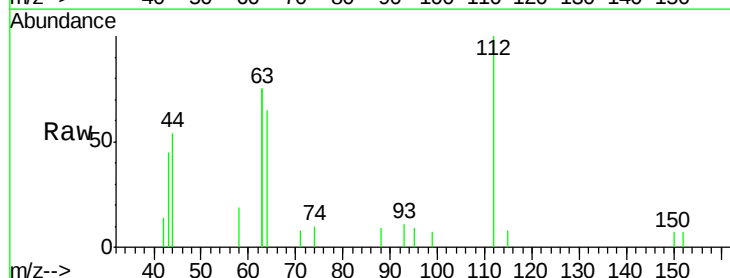
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



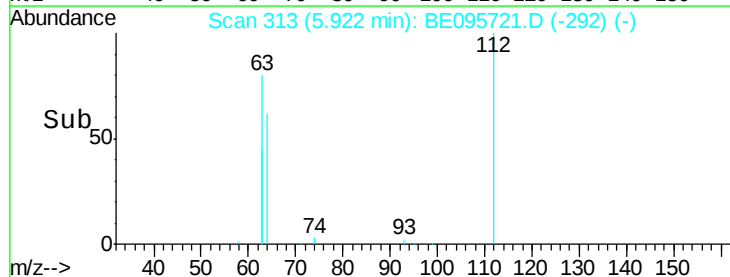
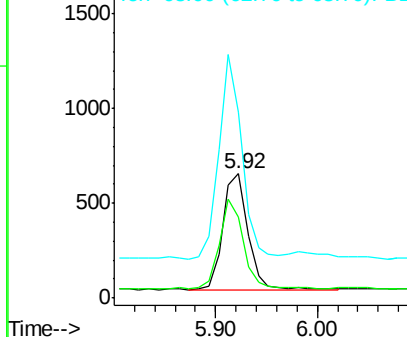
#4

2-Fluorophenol
Concen: 0.243 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:112 Resp: 1043
Ion Ratio Lower Upper
112 100
64 76.2 60.1 90.1
63 164.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.247 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

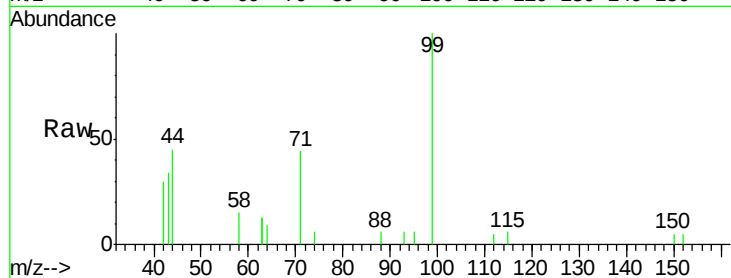
Tot Ion: 99 Resp: 1465

Ion Ratio Lower Upper

99 100

42 25.5 20.2 30.2

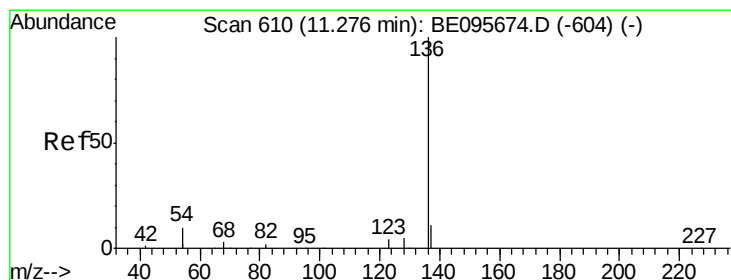
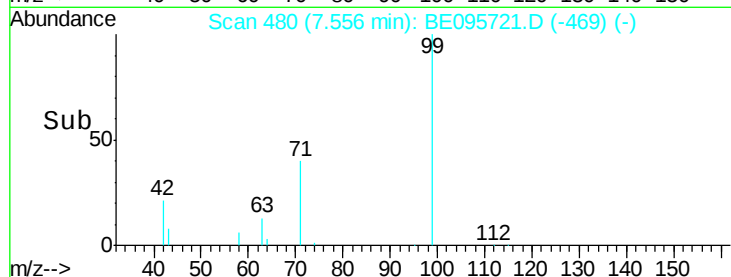
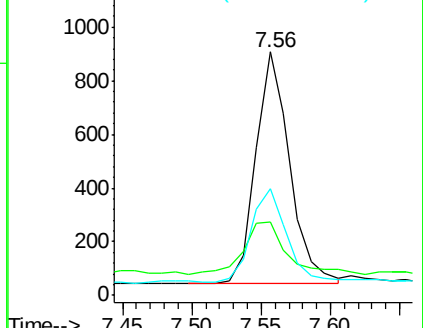
71 41.9 28.4 42.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.02 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion: 136 Resp: 6374

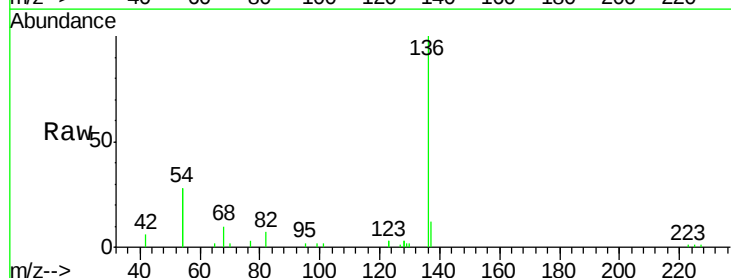
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 56.6 29.1 43.7#

68 9.9 6.2 9.2#

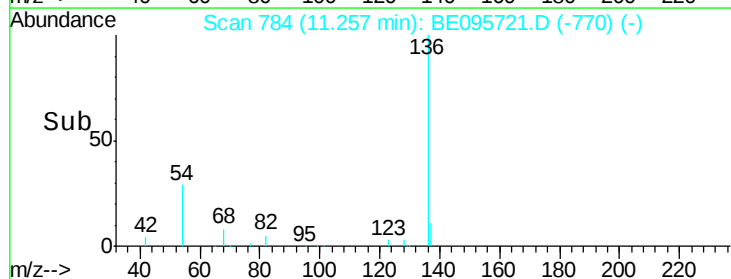
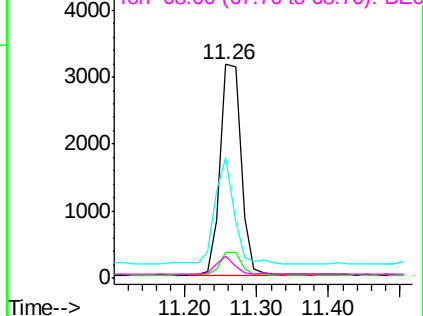


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.241 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

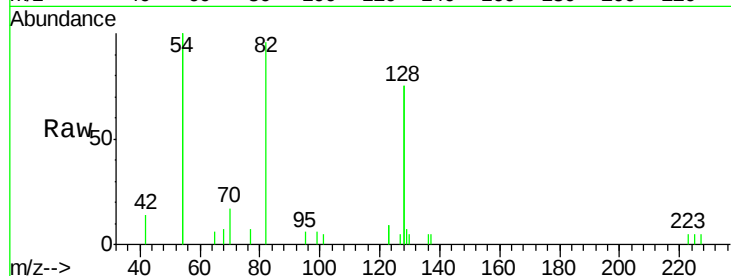
Tot Ion: 82 Resp: 1585

Ion Ratio Lower Upper

82 100

128 155.4 150.0 225.0

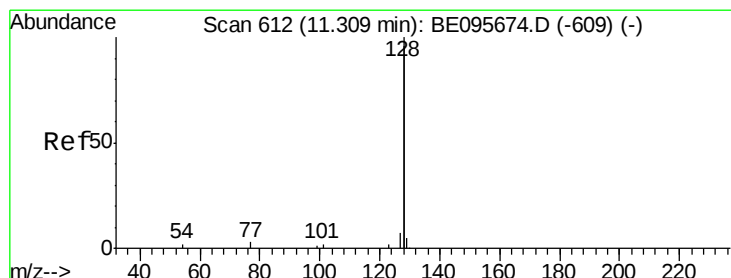
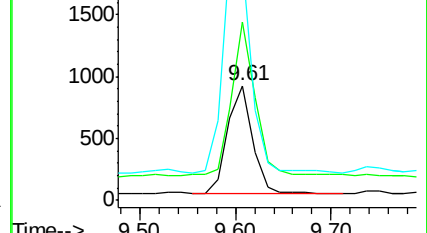
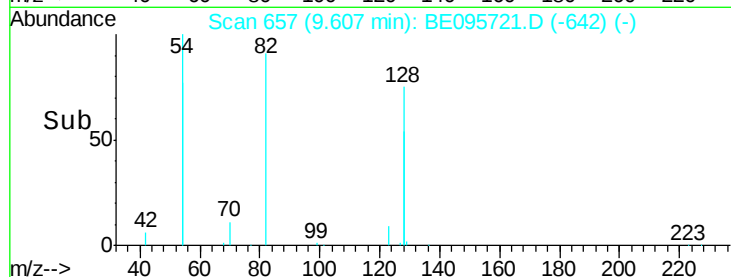
54 208.0 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.026 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

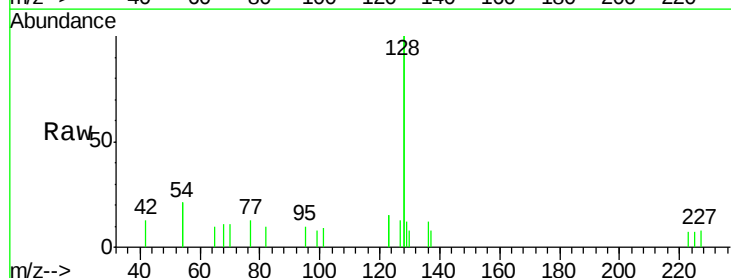
Tgt Ion: 128 Resp: 1874

Ion Ratio Lower Upper

128 100

129 6.2 2.6 3.8#

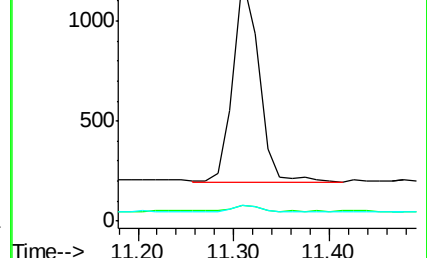
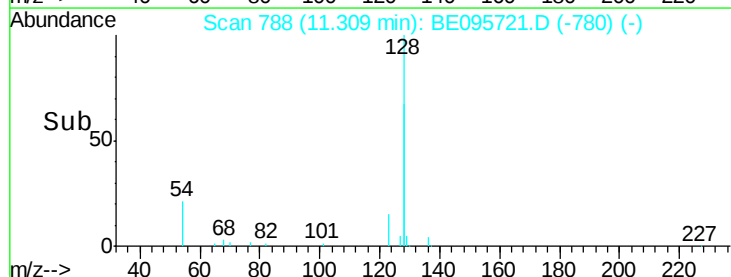
127 6.6 2.8 4.2#

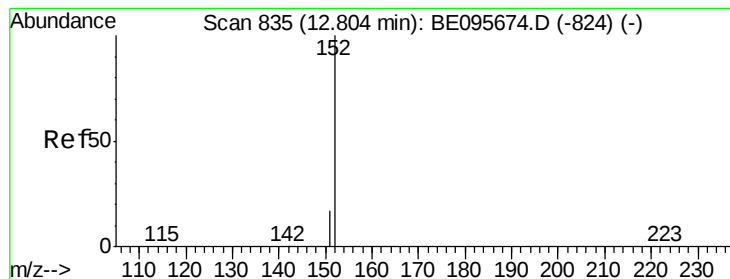


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.224 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

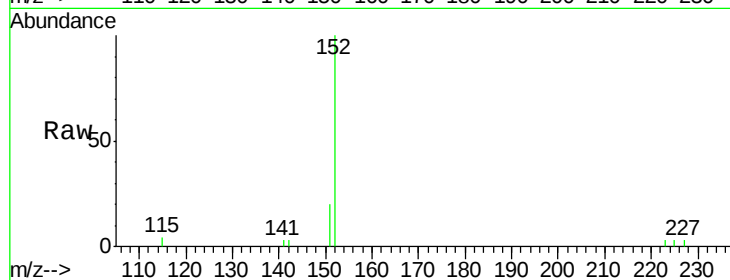
ClientSampleId :

Tot Ion:152 Resp: 2390

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

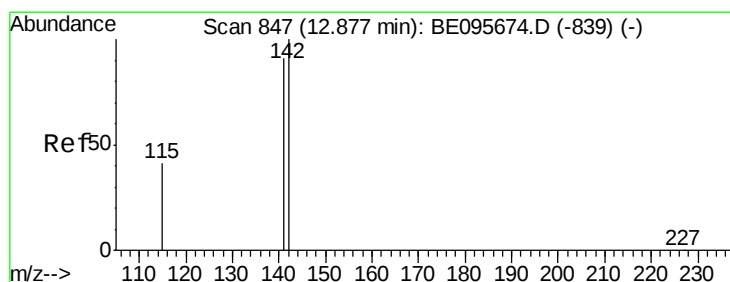
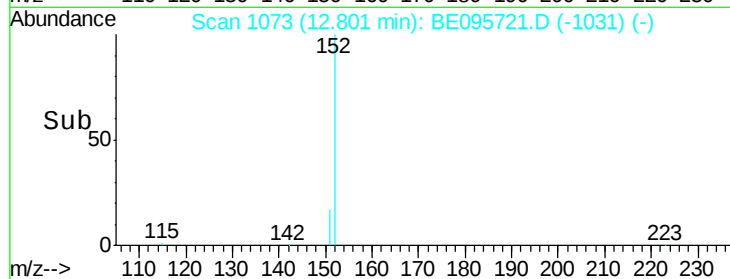
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.053 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

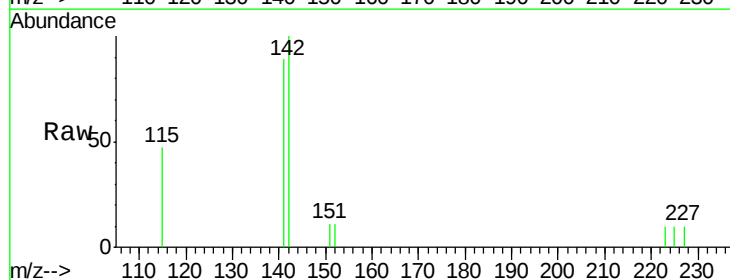
Tgt Ion:142 Resp: 677

Ion Ratio Lower Upper

142 100

141 89.5 70.4 105.6

115 47.1 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

600

500

400

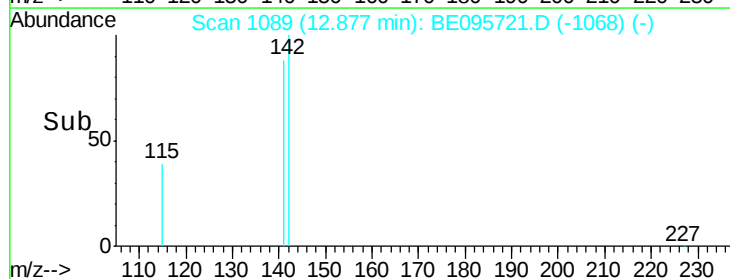
300

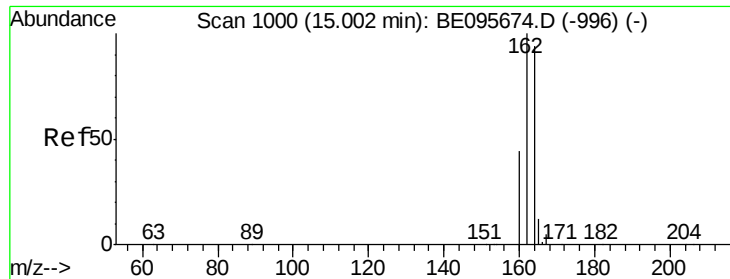
200

100

0

Time--> 12.80 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

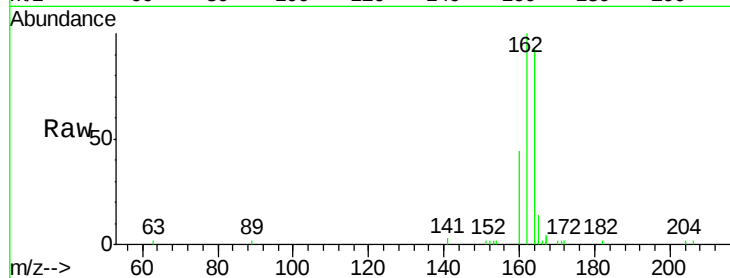
Tot Ion:164 Resp: 3625

Ion Ratio Lower Upper

164 100

162 107.8 83.1 124.7

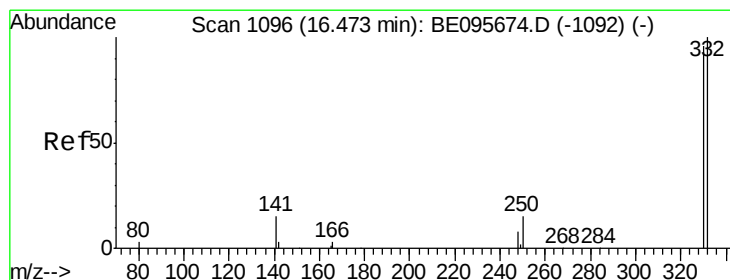
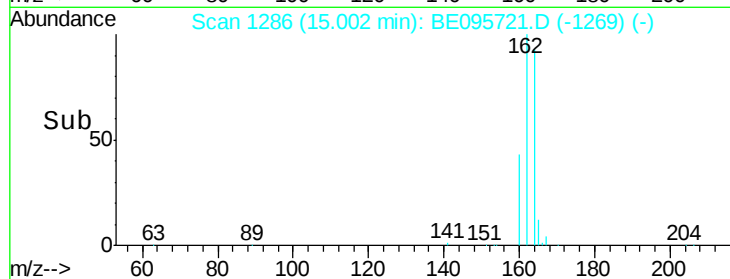
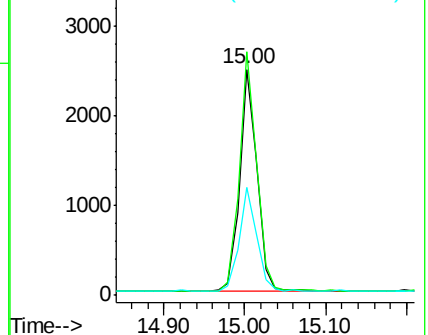
160 47.9 37.1 55.7



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: 0.310 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

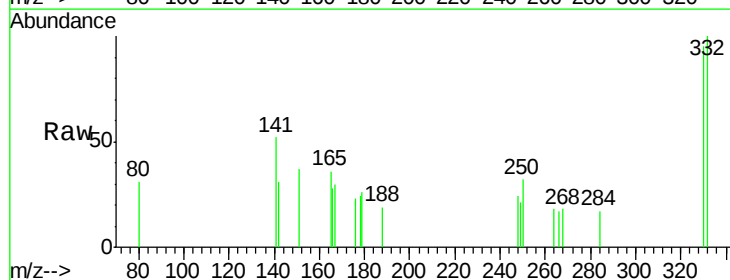
Tgt Ion:330 Resp: 338

Ion Ratio Lower Upper

330 100

332 99.4 152.7 229.1#

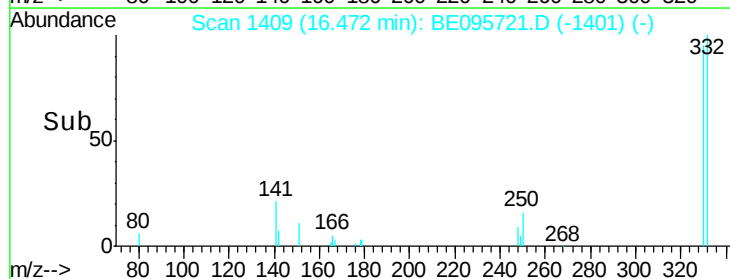
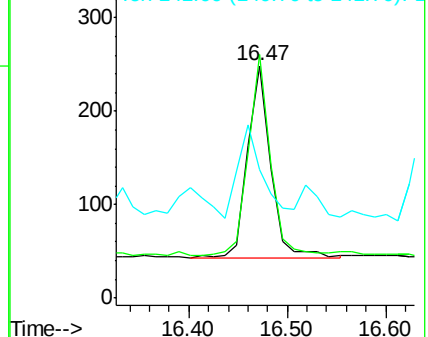
141 52.1 33.7 50.5#

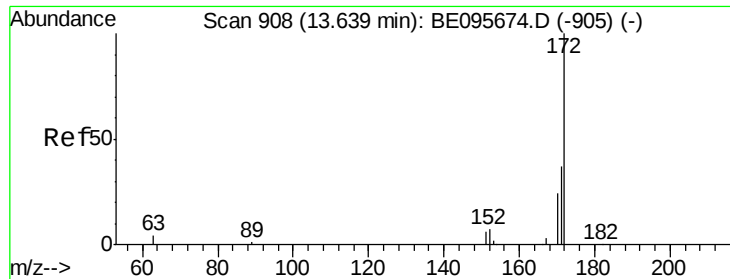


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

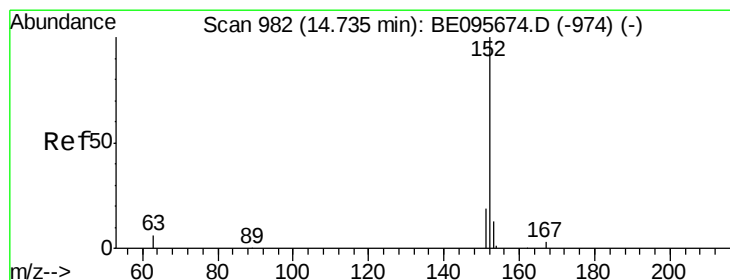
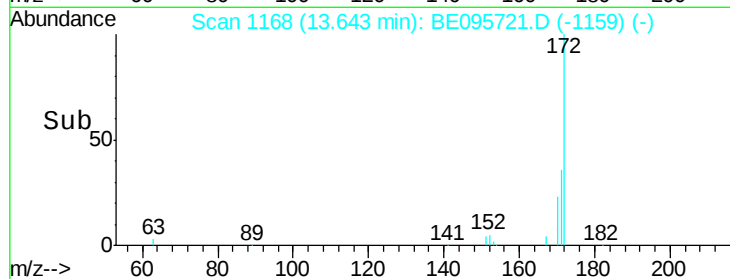
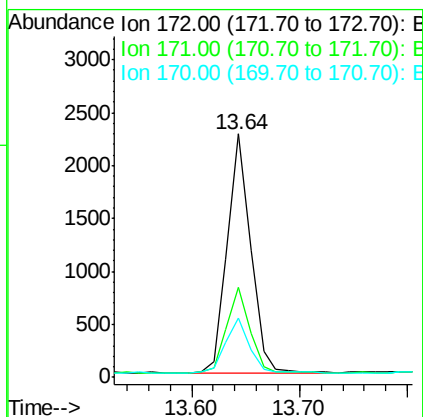
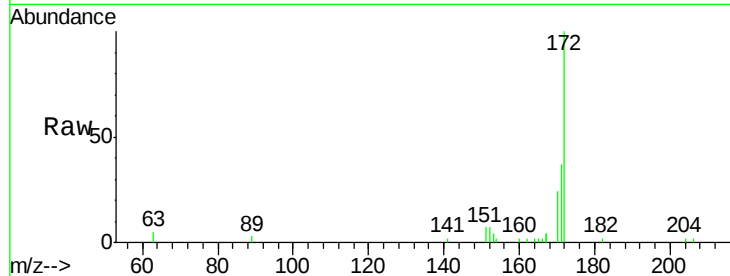




#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

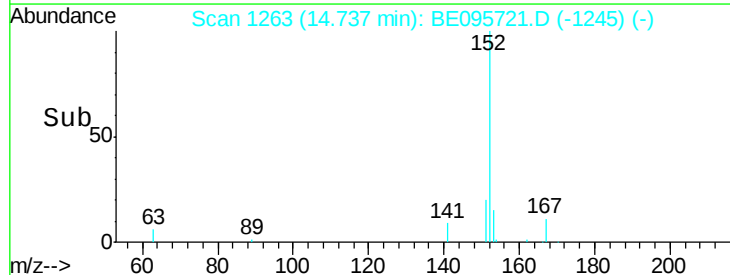
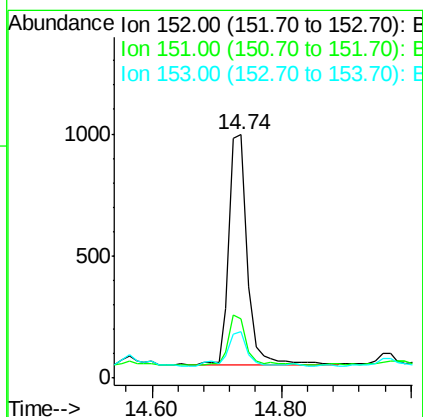
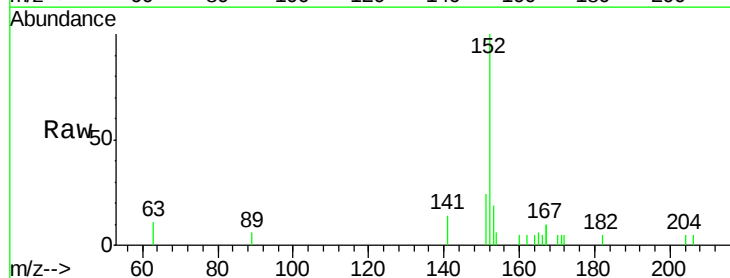
Instrument :
BNA_E
ClientSampleId :

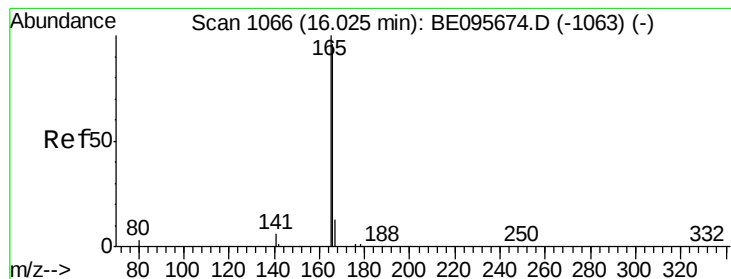
Tot Ion:172 Resp: 3364
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 24.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.74 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:152 Resp: 1881
Ion Ratio Lower Upper
152 100
151 21.1 15.7 23.5
153 15.0 10.5 15.7





#18

Fluorene

Concen: 0.109 ng

RT: 16.03 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

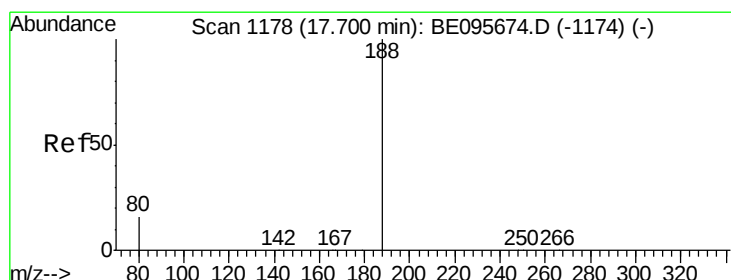
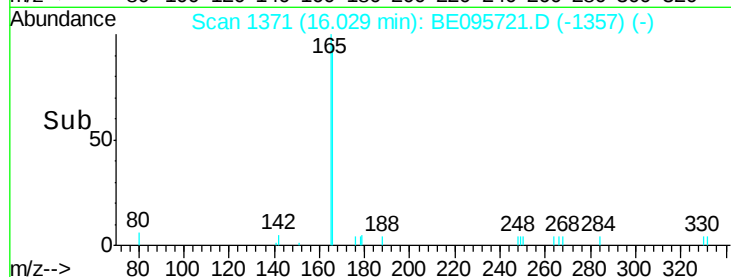
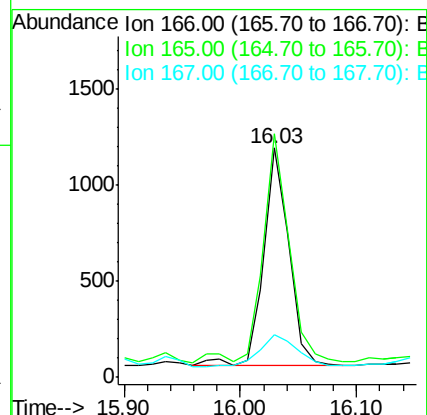
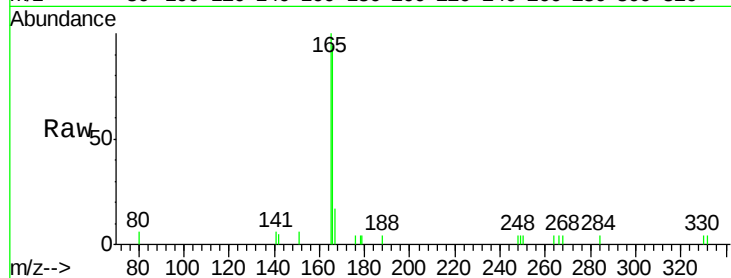
Tot Ion:166 Resp: 1722

Ion Ratio Lower Upper

166 100

165 108.9 77.8 116.6

167 21.3 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

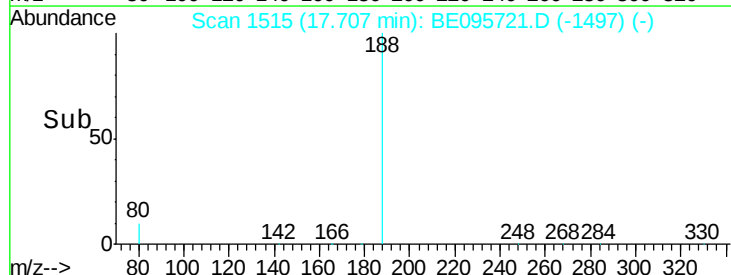
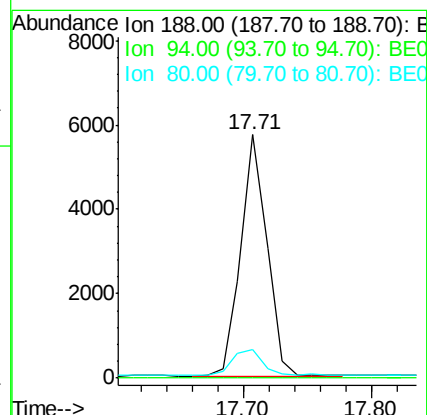
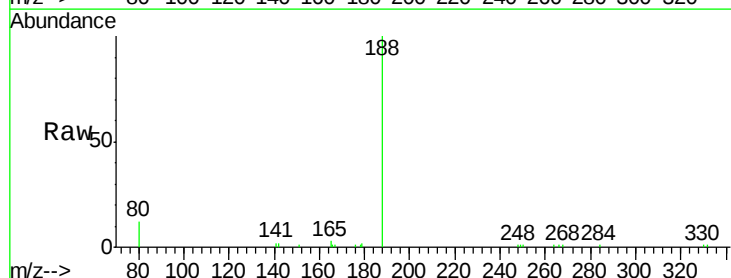
Tgt Ion:188 Resp: 8106

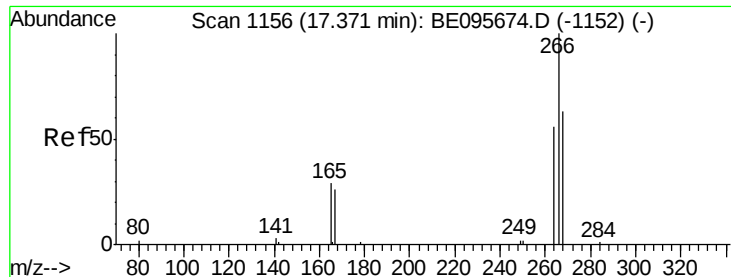
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 11.7 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.190 ng

RT: 17.37 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

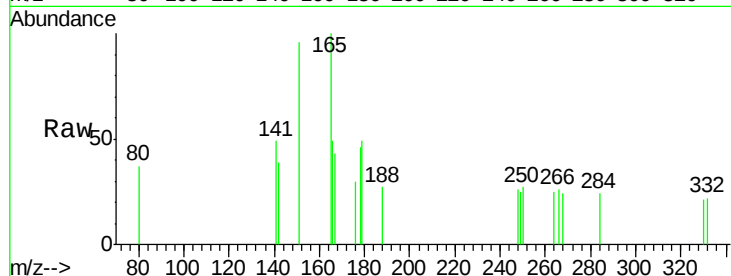
Tot Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 96.3 72.5 108.7

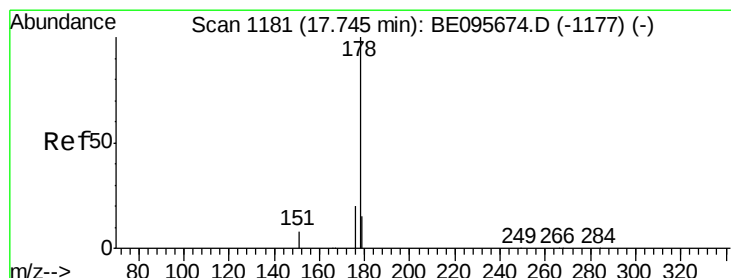
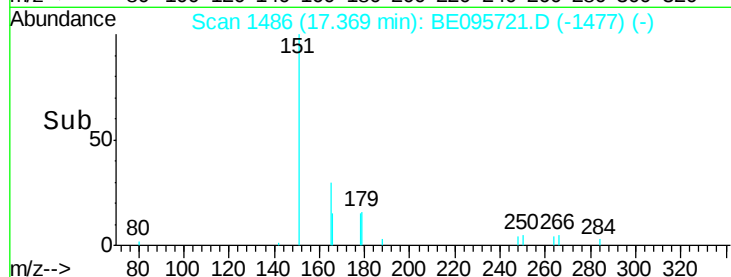
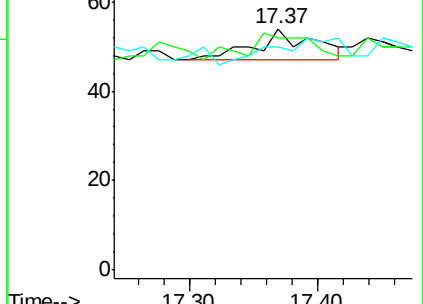
268 92.6 73.8 110.6



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: 1.607 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

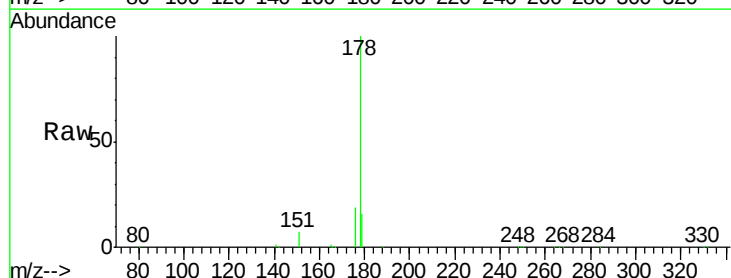
Tgt Ion:178 Resp: 40715

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

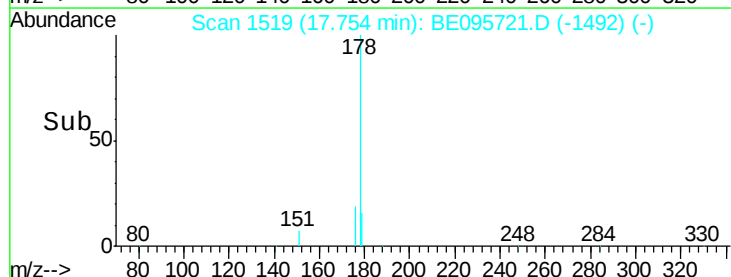
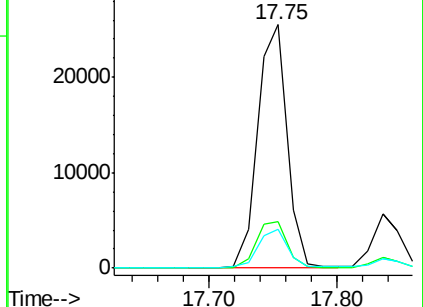
179 15.8 11.8 17.6

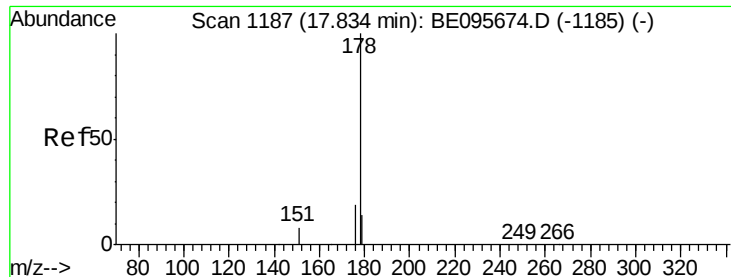


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.359 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

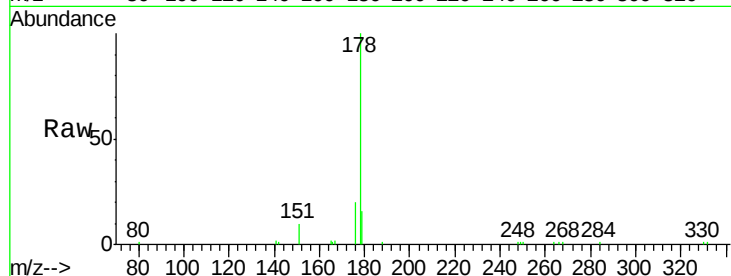
Tot Ion:178 Resp: 8341

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

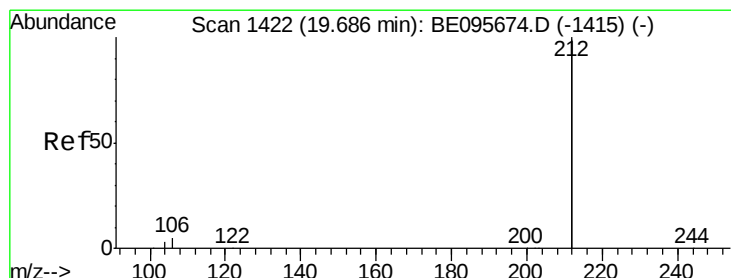
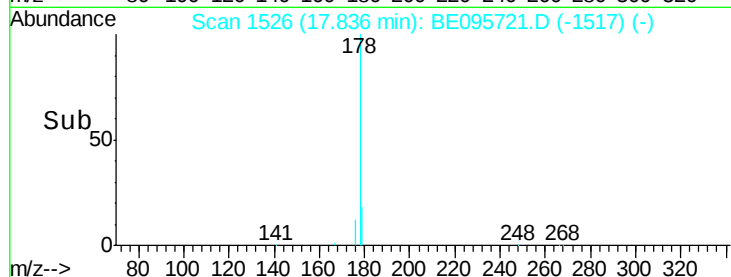
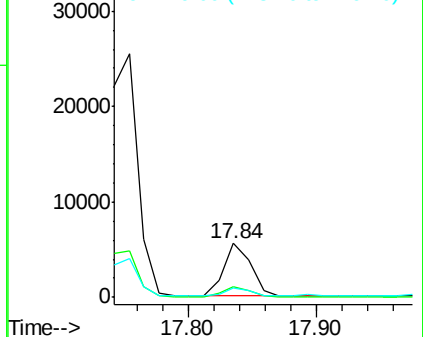
179 15.1 13.0 19.6



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: 0.193 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

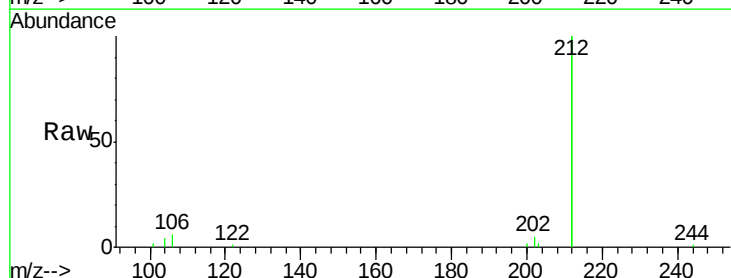
Tgt Ion:212 Resp: 20458

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

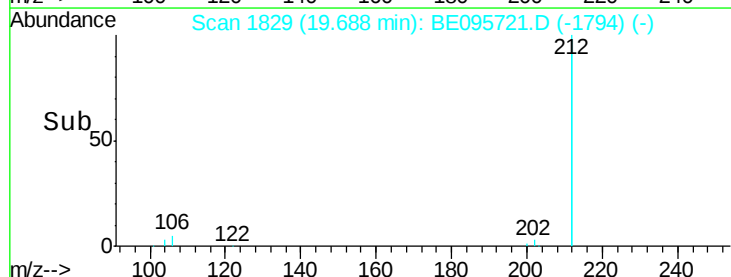
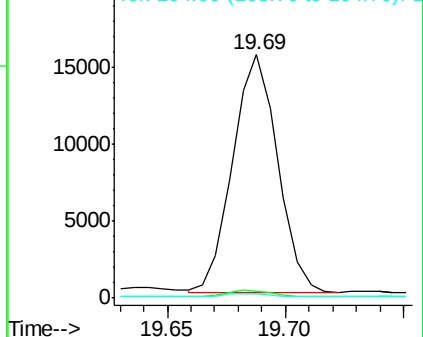
104 1.7 1.6 2.4

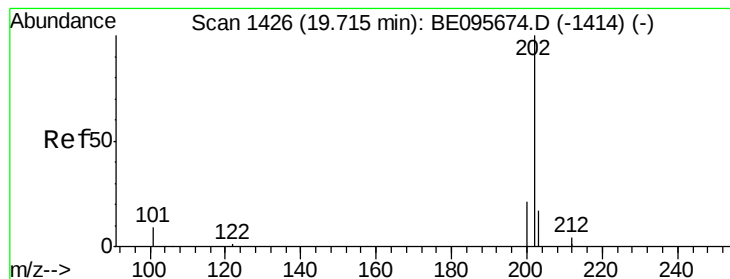


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 2.325 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

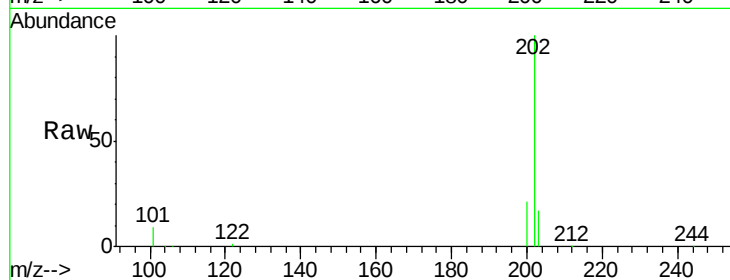
Tot Ion:202 Resp: 72476

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

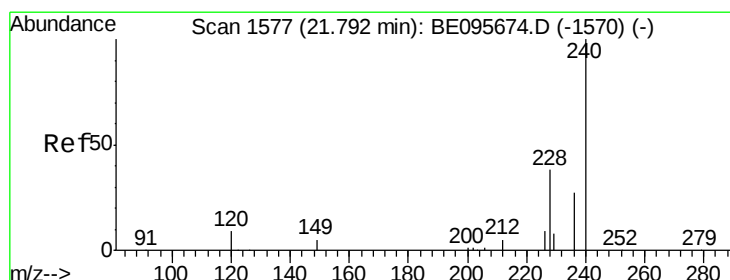
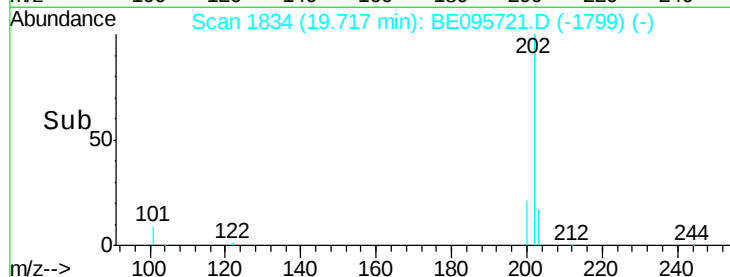
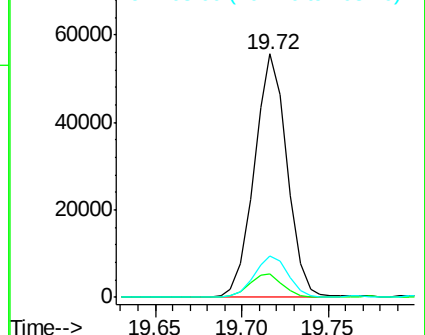
203 17.3 13.7 20.5



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: BE095721.D

Acq: 7 Mar 2018 13:30

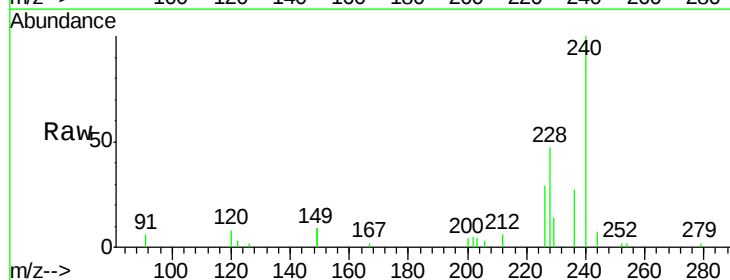
Tgt Ion:240 Resp: 8370

Ion Ratio Lower Upper

240 100

120 8.0 5.5 8.3

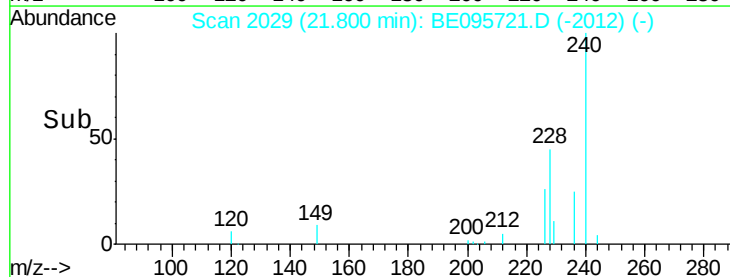
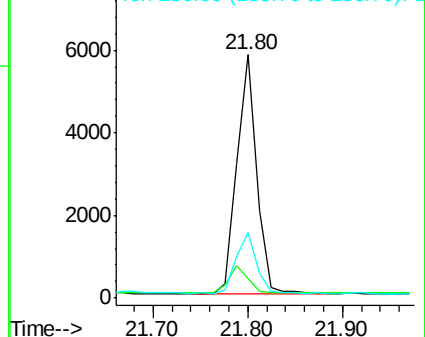
236 26.9 20.7 31.1

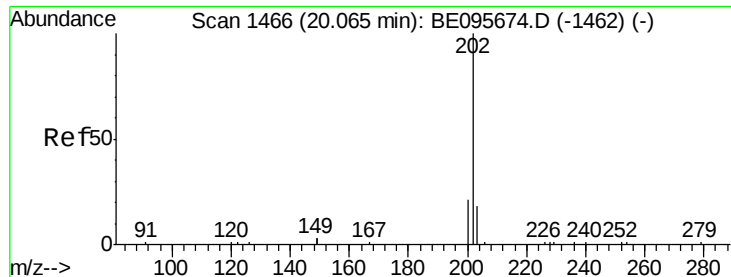


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

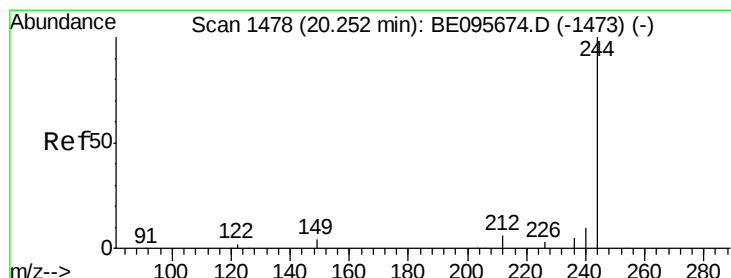
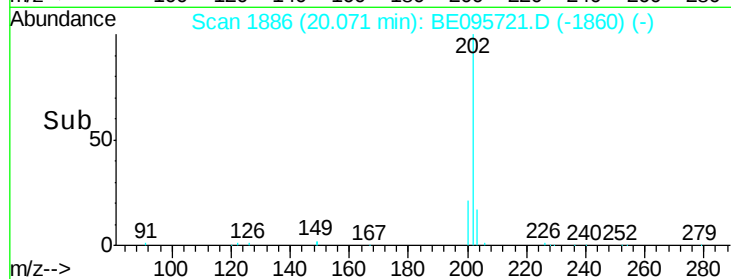
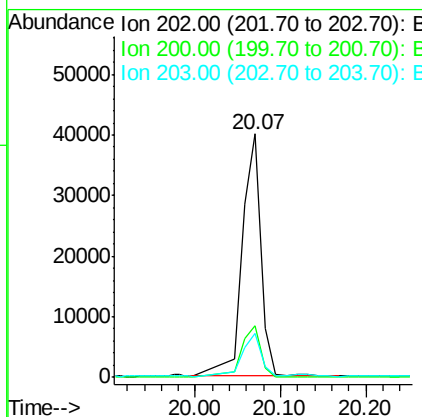
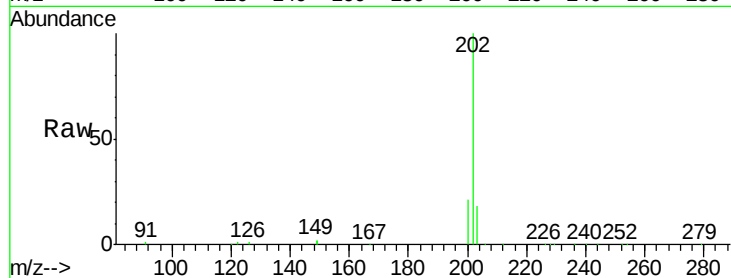




#28
Pvrene
Concen: 2.048 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

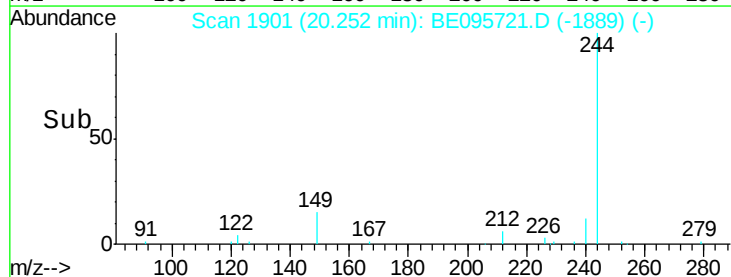
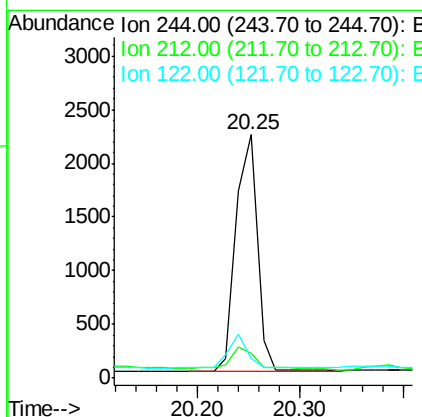
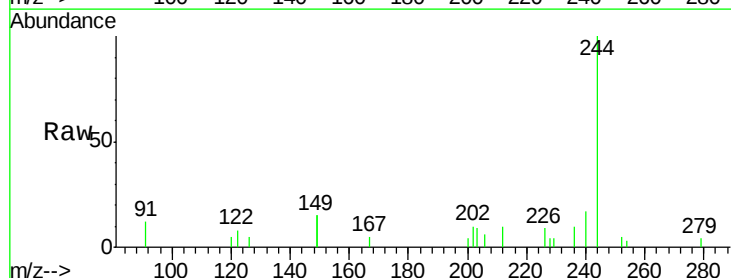
Instrument :
BNA_E
ClientSampleId :

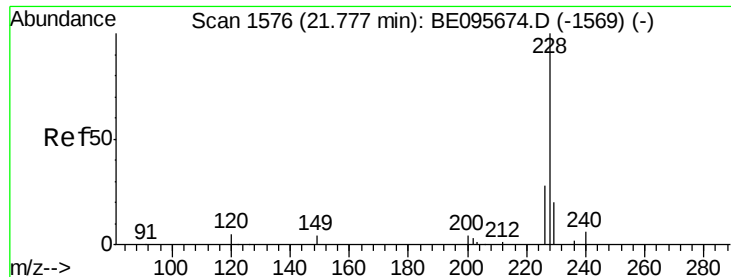
Tot Ion:202 Resp: 70114
Ion Ratio Lower Upper
202 100
200 21.8 16.6 25.0
203 19.6 13.8 20.8



#29
Terphenyl-d14
Concen: 0.191 ng
RT: 20.25 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:244 Resp: 3194
Ion Ratio Lower Upper
244 100
212 10.1 25.4 38.0#
122 7.8 8.1 12.1#

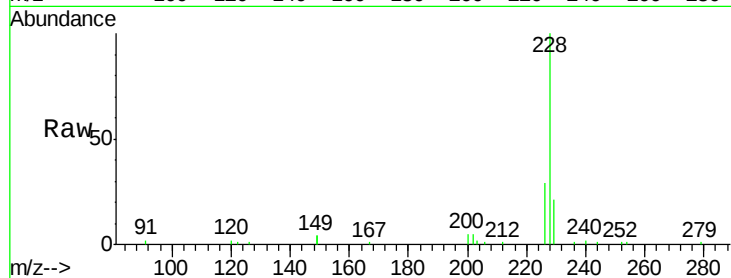




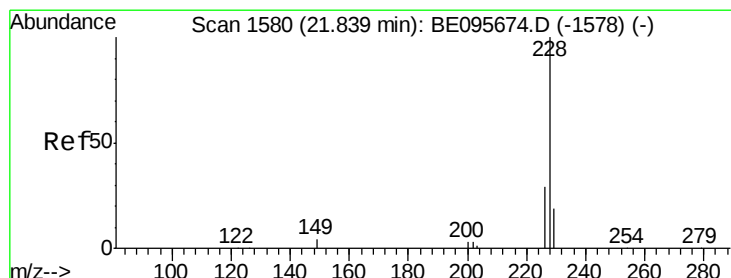
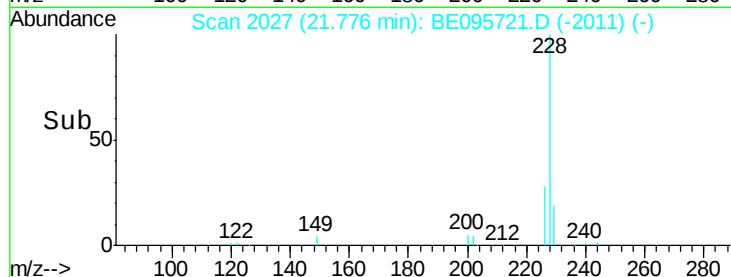
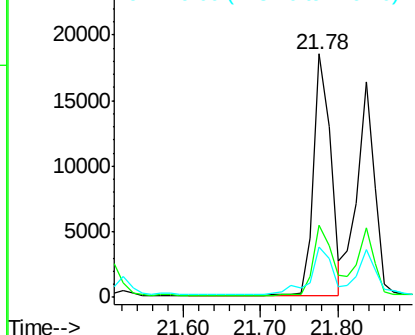
#30
Benzo(a)anthracene
Concen: 1.036 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 28284
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 20.9 16.0 24.0

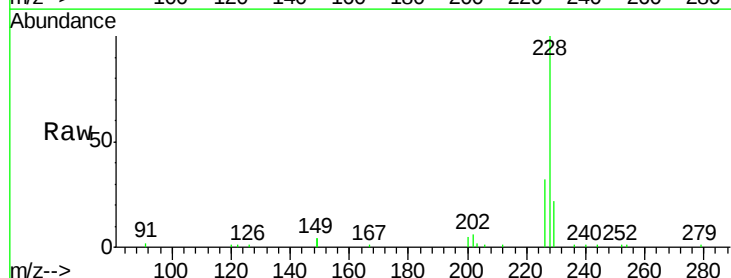


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

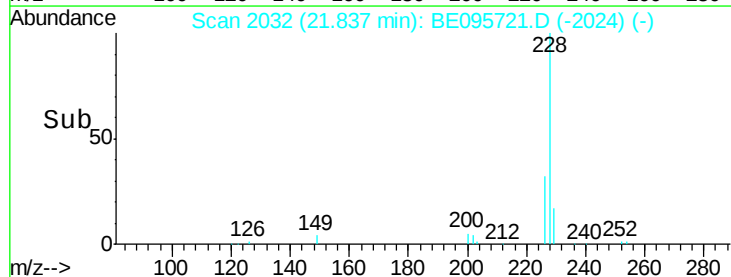
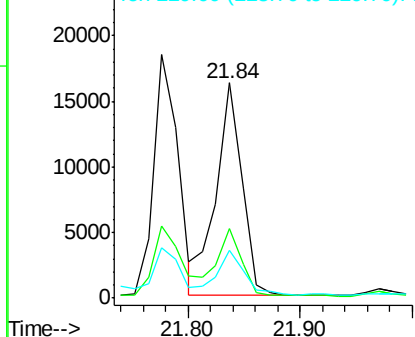


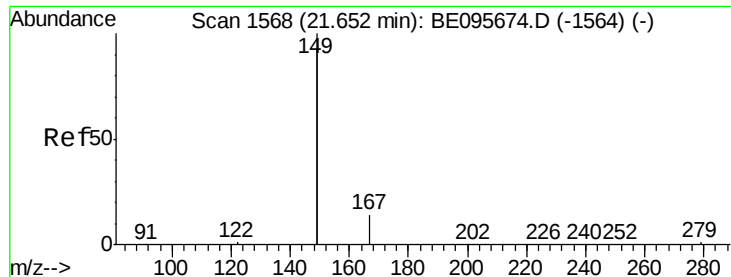
#31
Chrysene
Concen: 0.964 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:228 Resp: 26169
Ion Ratio Lower Upper
228 100
226 32.4 24.0 36.0
229 22.2 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

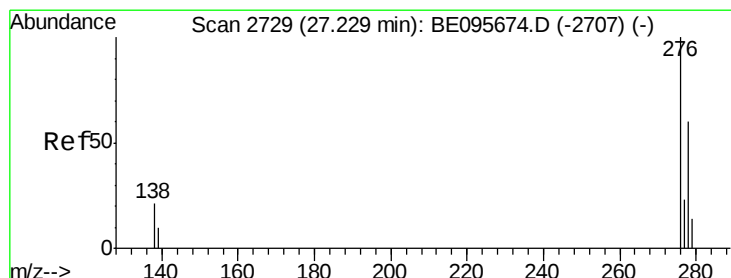
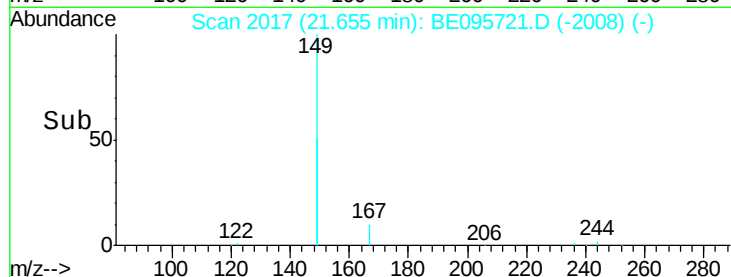
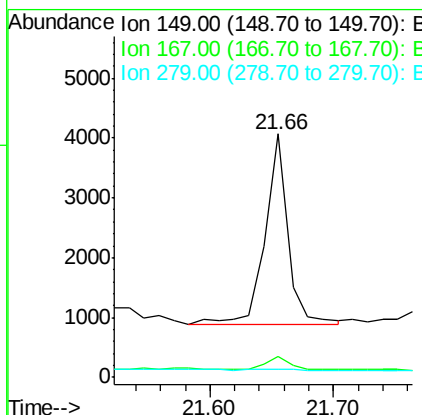
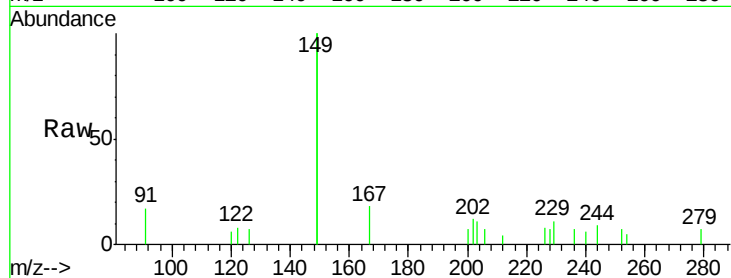




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.085 ng
 RT: 21.66 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BE095721.D
 Acq: 7 Mar 2018 13:30

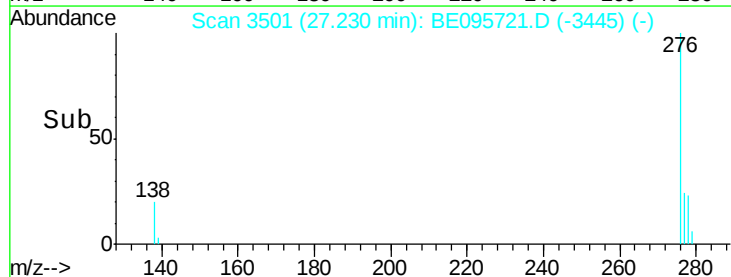
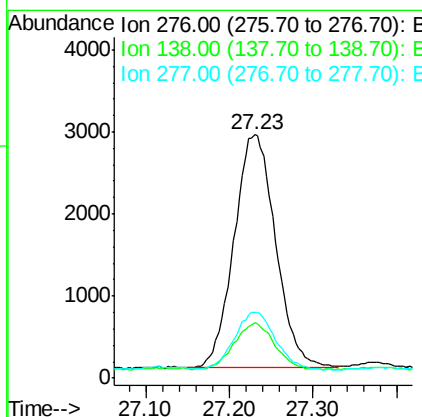
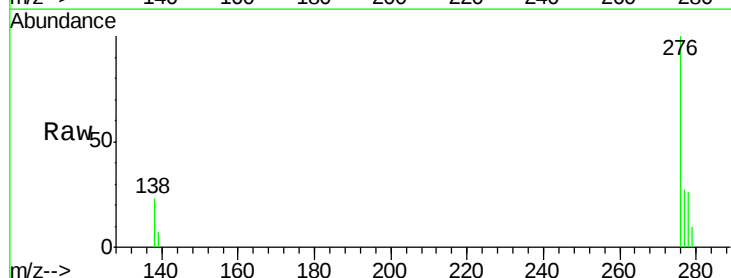
Instrument :
 BNA_E
 ClientSampled :

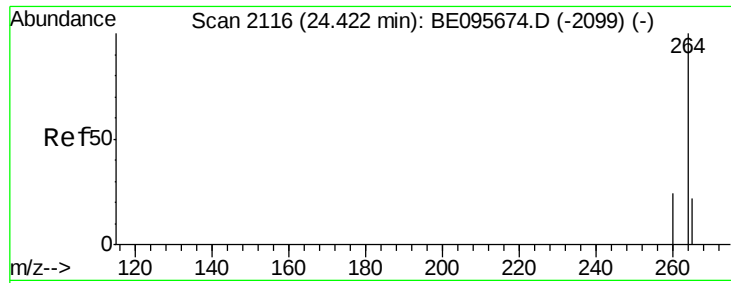
Tot Ion:149 Resp: 4111
 Ion Ratio Lower Upper
 149 100
 167 8.3 5.4 8.0#
 279 3.1 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.373 ng
 RT: 27.23 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: BE095721.D
 Acq: 7 Mar 2018 13:30

Tgt Ion:276 Resp: 9822
 Ion Ratio Lower Upper
 276 100
 138 19.4 22.5 33.7#
 277 24.6 19.9 29.9

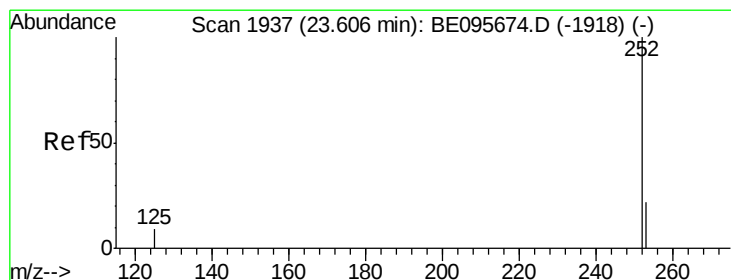
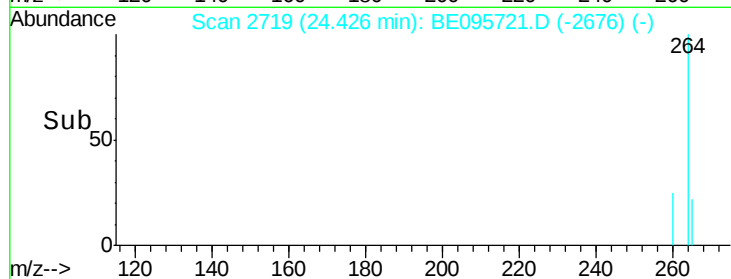
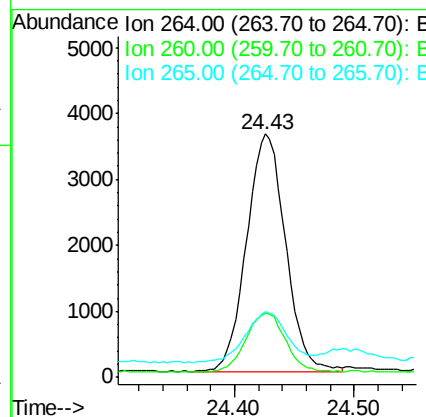
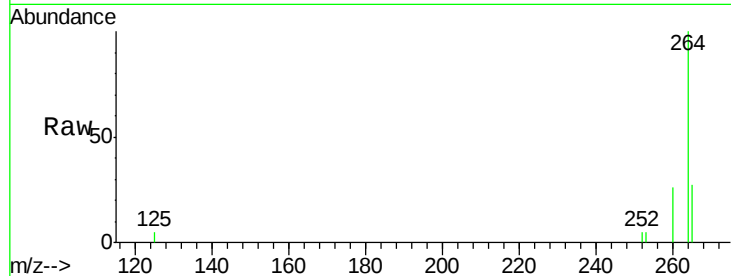




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

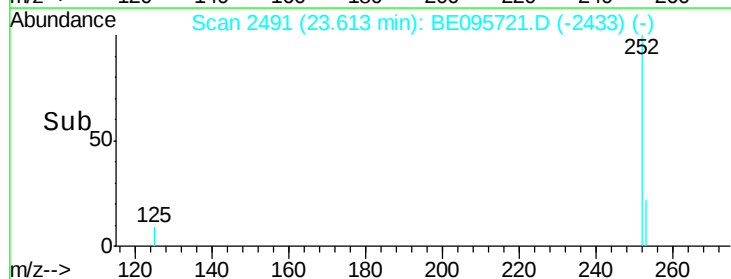
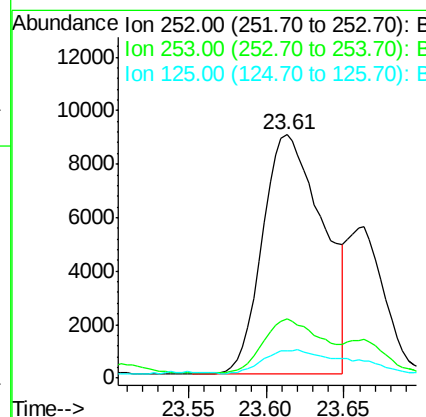
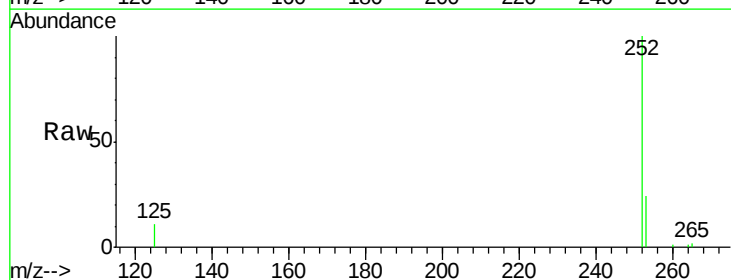
Instrument :
BNA_E
ClientSampleId :

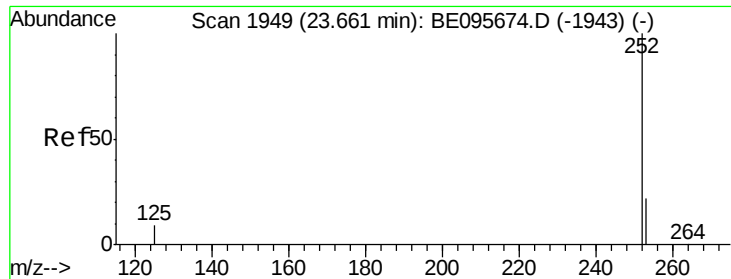
Tot Ion:264 Resp: 8115
Ion Ratio Lower Upper
264 100
260 26.4 20.5 30.7
265 27.2 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.842 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:252 Resp: 24351
Ion Ratio Lower Upper
252 100
253 24.3 20.0 30.0
125 11.1 16.0 24.0#

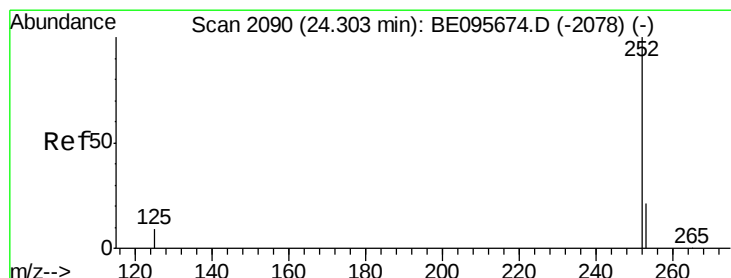
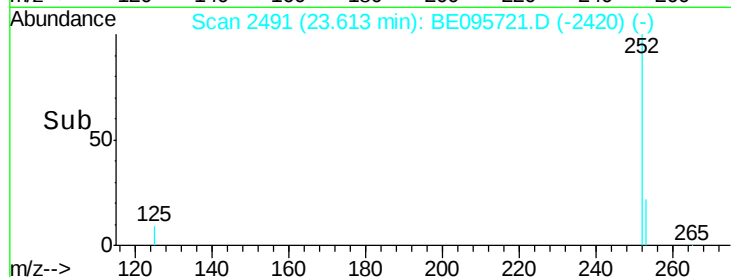
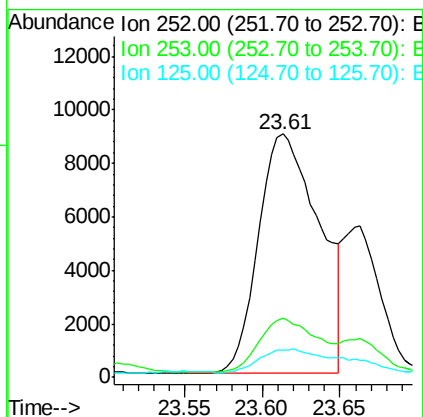
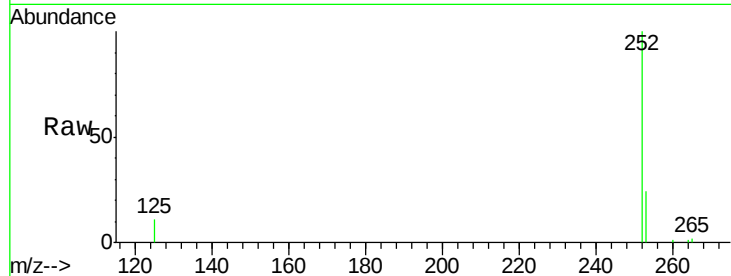




#36
Benzo(k)fluoranthene
Concen: 0.847 ng
RT: 23.61 min Scan# 2491
Delta R.T. -0.05 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

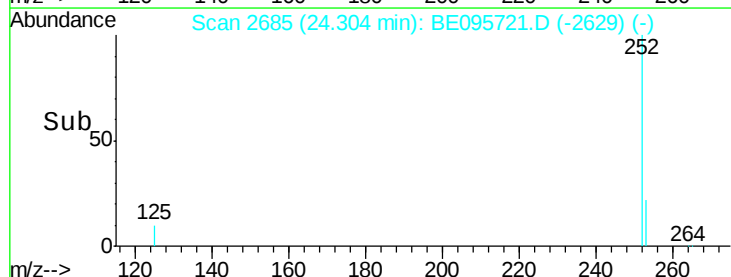
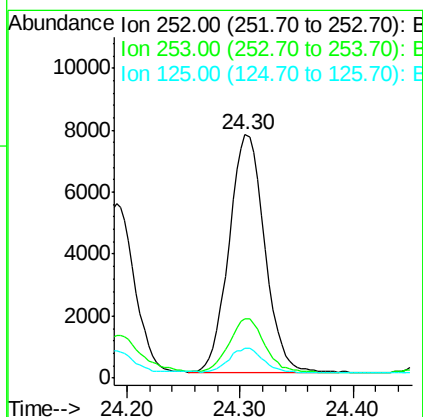
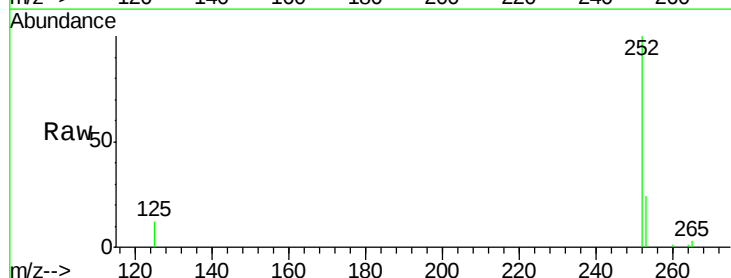
Instrument :
BNA_E
ClientSampleId :

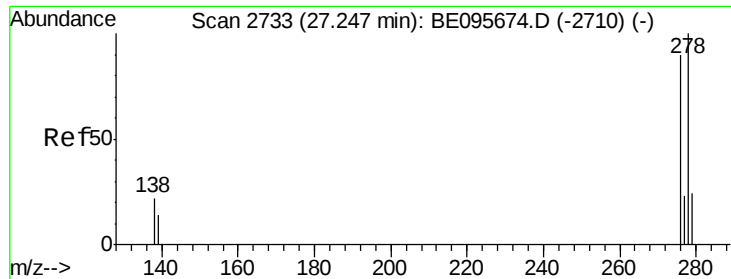
Tot Ion:252 Resp: 24351
Ion Ratio Lower Upper
252 100
253 24.3 16.0 24.0#
125 11.1 8.0 12.0



#37
Benzo(a)pyrene
Concen: 0.645 ng
RT: 24.30 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion:252 Resp: 16816
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0#
125 12.2 12.0 18.0





#38

Dibenzo(a,h)anthracene

Concen: 0.124 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

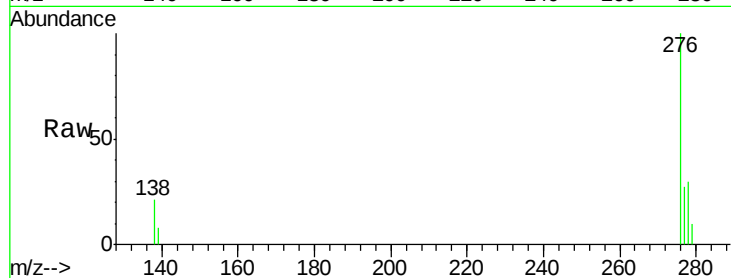
Tot Ion:278 Resp: 2864

Ion Ratio Lower Upper

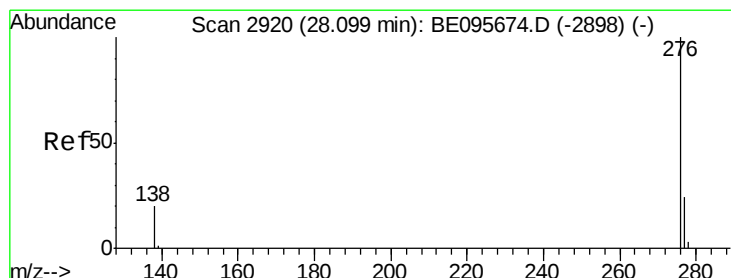
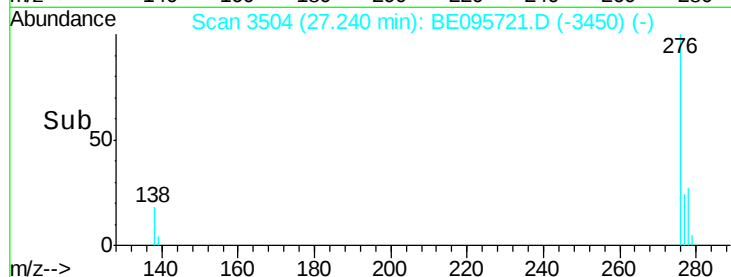
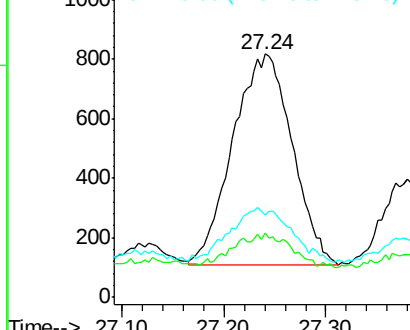
278 100

139 26.3 16.0 24.0#

279 33.7 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.366 ng

RT: 28.11 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

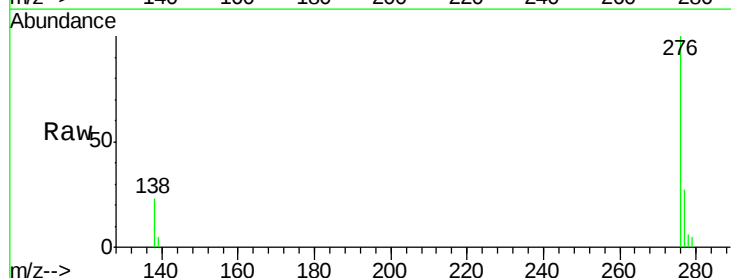
Tgt Ion:276 Resp: 9098

Ion Ratio Lower Upper

276 100

277 27.4 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

