

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121517\
 Data File : BE095002.D
 Acq On : 15 Dec 2017 15:15
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 15 16:32:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	6484	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	15195	0.40	ng	-0.02
13) Acenaphthene-d10	15.05	164	8728	0.40	ng	-0.02
19) Phenanthrene-d10	17.76	188	20621	0.40	ng	-0.02
27) Chrysene-d12	21.85	240	23439	0.40	ng	-0.02
34) Perylene-d12	24.52	264	17680	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	4226	0.42	ng	0.00
5) Phenol-d6	7.59	99	6355	0.42	ng	0.00
8) Nitrobenzene-d5	9.65	82	5567	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	9718	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	16.52	330	962	0.47	ng	-0.02
15) 2-Fluorobiphenyl	13.70	172	15088	0.39	ng	0.00
25) Fluoranthene-d10	19.74	212	101926	0.38	ng	-0.01
29) Terphenyl-d14	20.30	244	16837	0.38	ng	-0.02

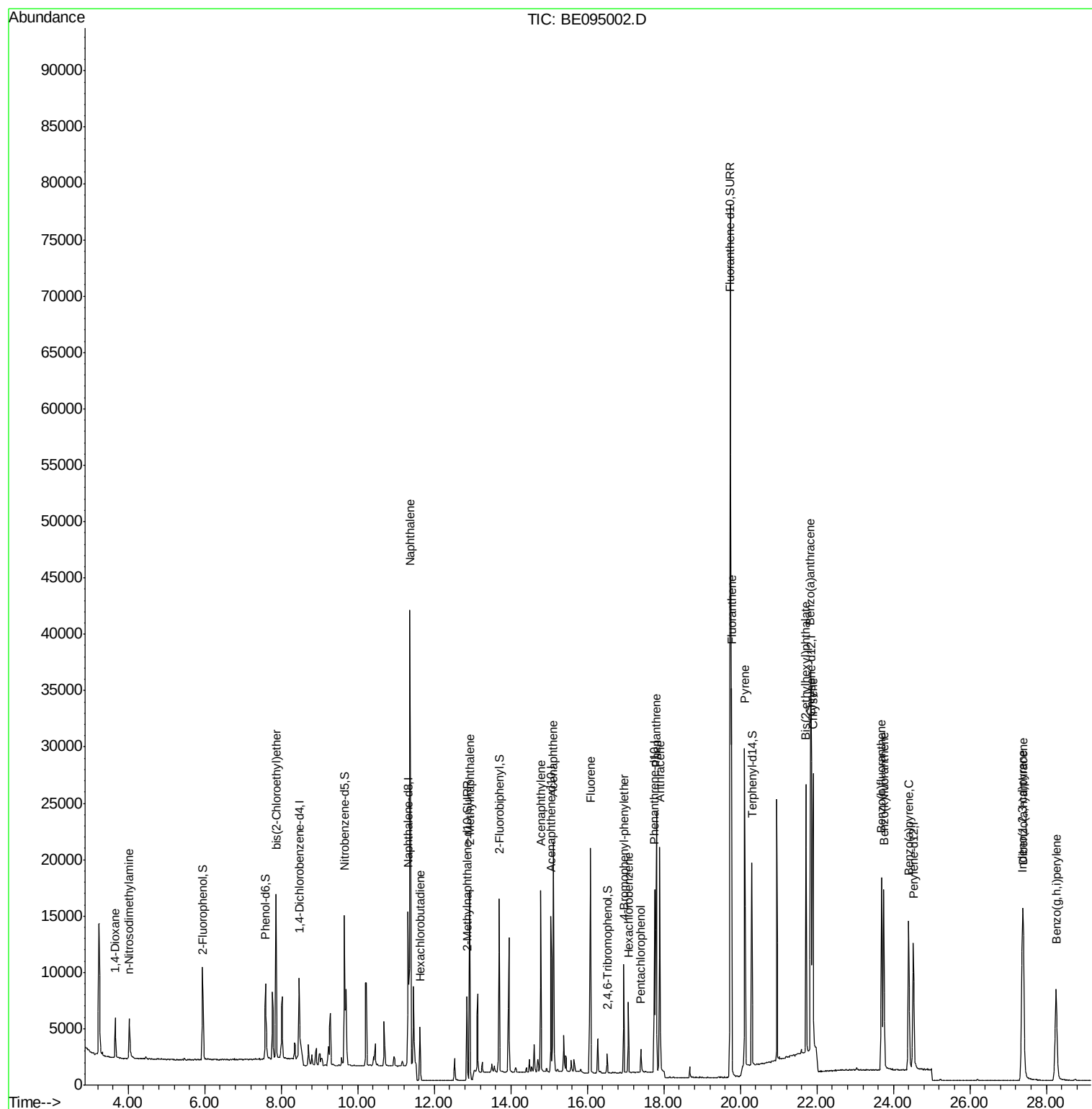
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	2444	0.383	ng	# 86
3) n-Nitrosodimethylamine	4.02	42	3054	0.404	ng	92
6) bis(2-Chloroethyl)ether	7.87	93	5844	0.400	ng	94
9) Naphthalene	11.36	128	69565	0.390	ng	99
10) Hexachlorobutadiene	11.63	225	3097	0.382	ng	98
12) 2-Methylnaphthalene	12.92	142	16101	0.362	ng	99
16) Acenaphthylene	14.78	152	18124	0.388	ng	99
17) Acenaphthene	15.11	154	12128	0.392	ng	96
18) Fluorene	16.08	166	14773	0.384	ng	# 77
20) 4-Bromophenyl-phenylether	16.95	248	4665	0.387	ng	# 88
21) Hexachlorobenzene	17.07	284	4667	0.378	ng	# 82
22) Pentachlorophenol	17.40	266	1223	0.480	ng	# 68
23) Phenanthrene	17.80	178	24894	0.387	ng	98
24) Anthracene	17.89	178	25151	0.381	ng	# 93
26) Fluoranthene	19.77	202	30035	0.379	ng	99
28) Pyrene	20.11	202	30451	0.383	ng	92
30) Benzo(a)anthracene	21.84	228	26142	0.382	ng	# 61
31) Chrysene	21.90	228	28941	0.375	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.71	149	37787	0.433	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.37	276	24667	0.393	ng	99
35) Benzo(b)fluoranthene	23.69	252	24680	0.380	ng	# 90
36) Benzo(k)fluoranthene	23.75	252	24777	0.377	ng	# 93
37) Benzo(a)pyrene	24.40	252	22365	0.388	ng	96
38) Dibenzo(a,h)anthracene	27.40	278	20571	0.385	ng	97
39) Benzo(g,h,i)perylene	28.25	276	20564	0.387	ng	# 94

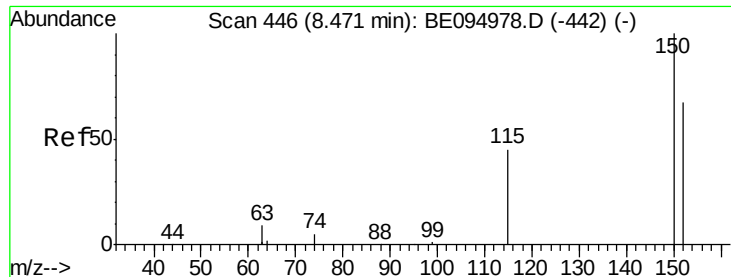
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration



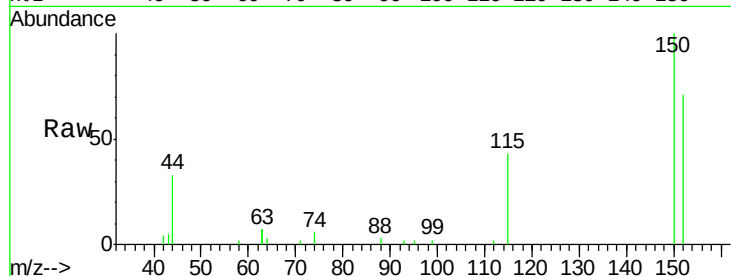


#1

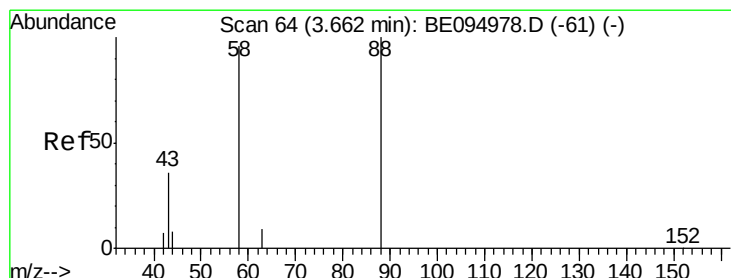
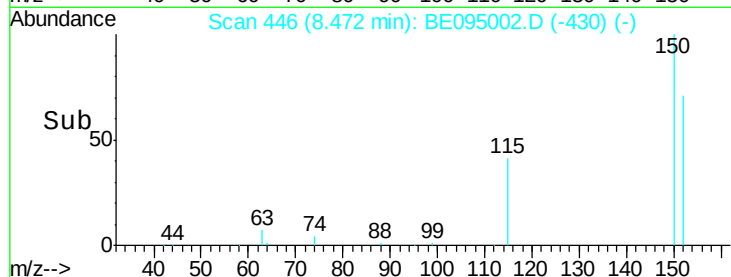
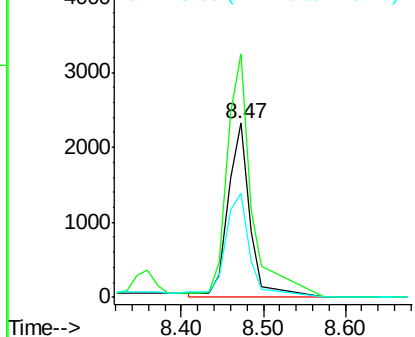
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE095002.D
Acq: 15 Dec 2017 15:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 6484
Ion Ratio Lower Upper
152 100
150 140.0 117.2 175.8
115 59.9 57.0 85.6



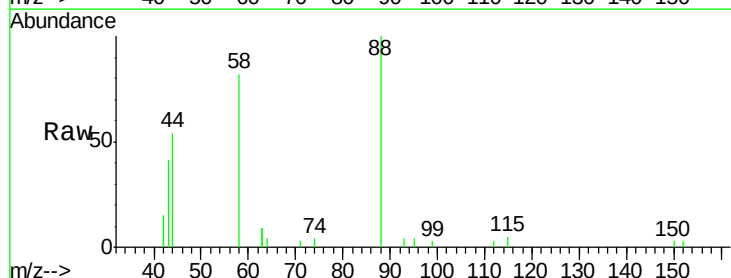
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



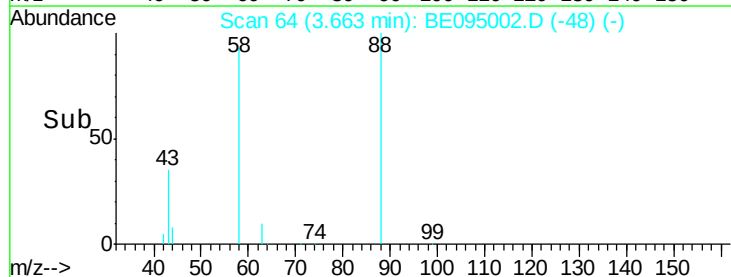
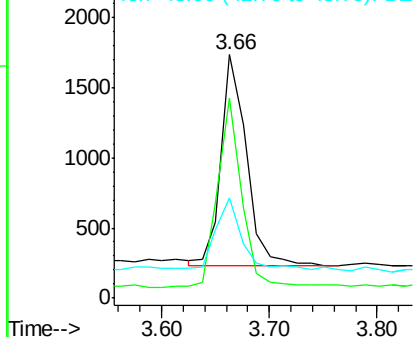
#2

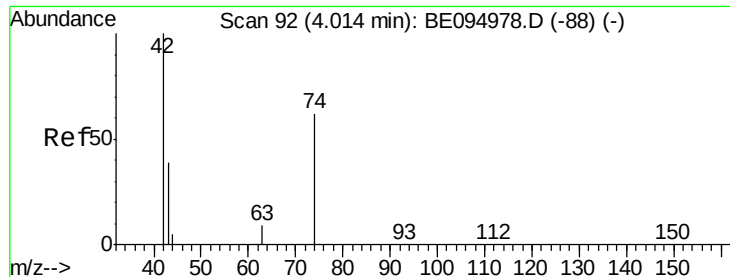
1,4-Dioxane
Concen: 0.383 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE095002.D
Acq: 15 Dec 2017 15:15

Tgt Ion: 88 Resp: 2444
Ion Ratio Lower Upper
88 100
58 86.3 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



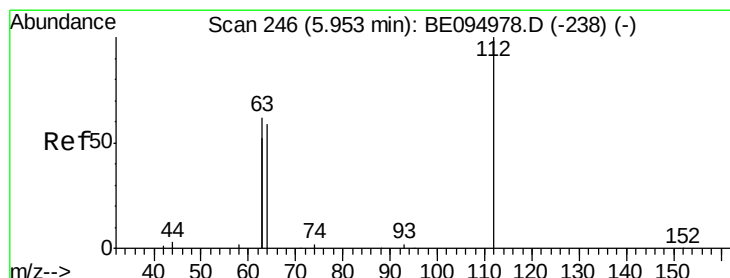
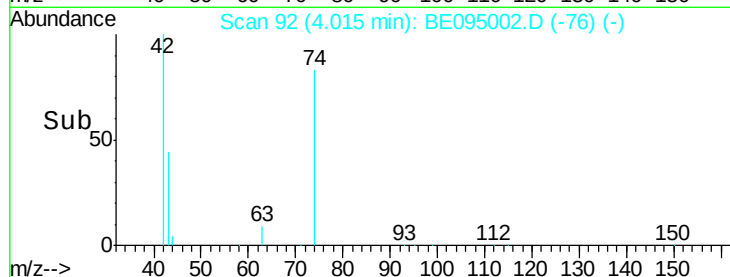
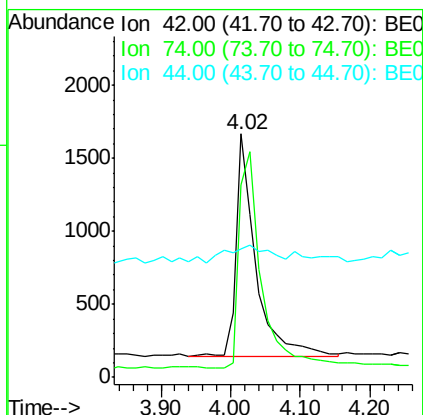
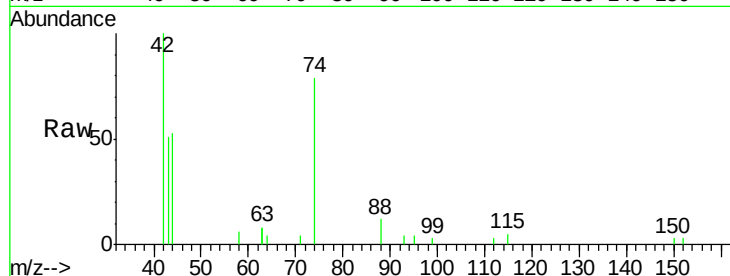


#3

n-Nitrosodimethylamine
 Concen: 0.404 ng
 RT: 4.02 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

Instrument :
 BNA_E
 ClientSampleId :

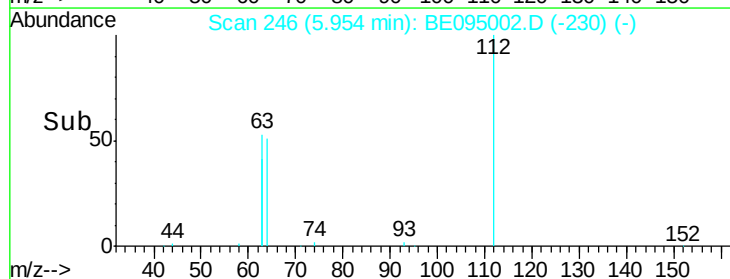
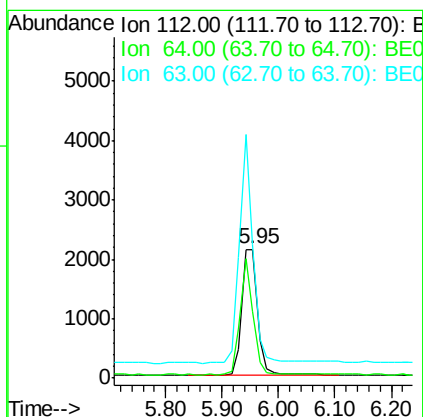
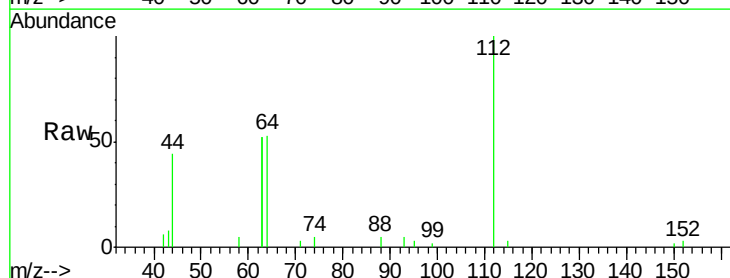
Tot Ion: 42 Resp: 3054
 Ion Ratio Lower Upper
 42 100
 74 110.3 96.0 144.0
 44 17.6 12.0 18.0

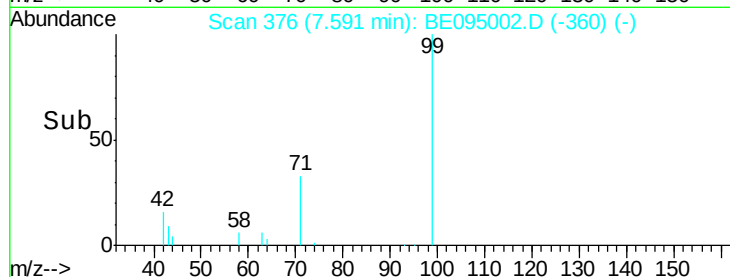
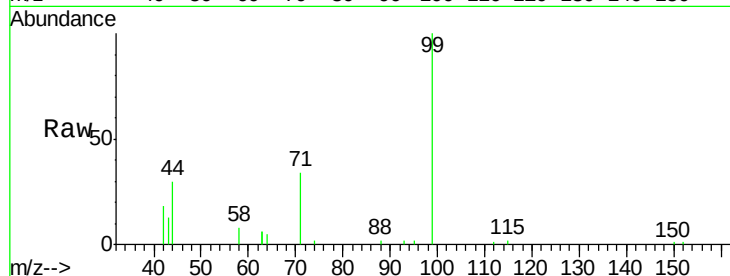
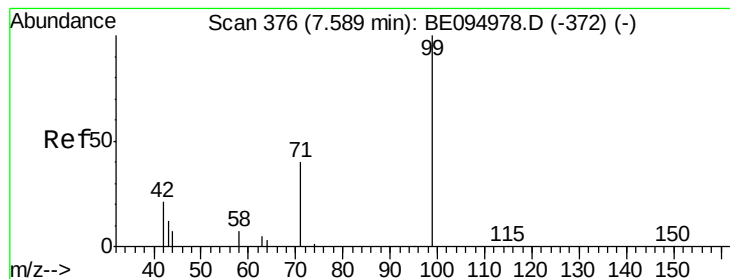


#4

2-Fluorophenol
 Concen: 0.420 ng
 RT: 5.95 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

Tgt Ion: 112 Resp: 4226
 Ion Ratio Lower Upper
 112 100
 64 76.3 60.1 90.1
 63 154.0 116.8 175.2





#5

Phenol-d6

Concen: 0.425 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

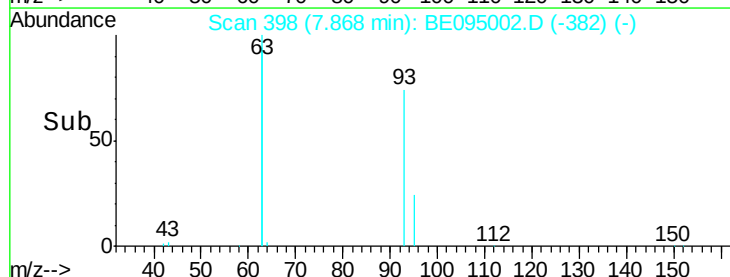
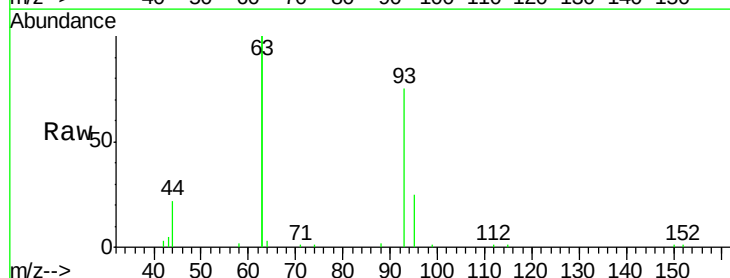
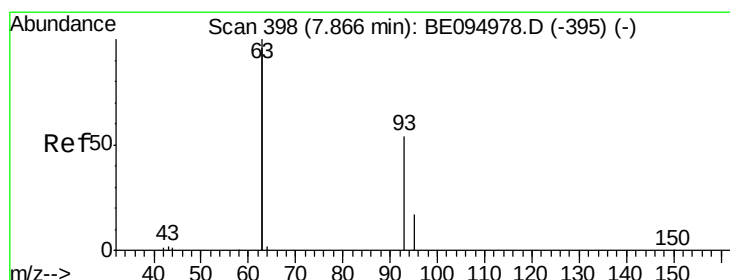
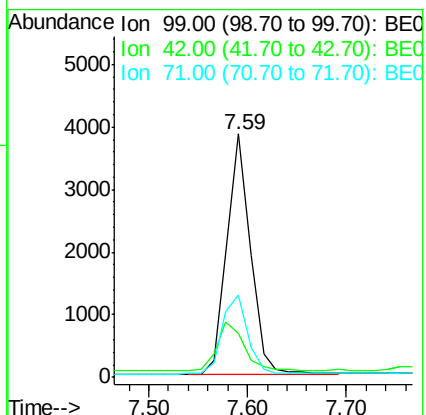
Tot Ion: 99 Resp: 6355

Ion Ratio Lower Upper

99 100

42 24.6 20.2 30.2

71 35.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 7.87 min Scan# 398

Delta R.T. 0.00 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

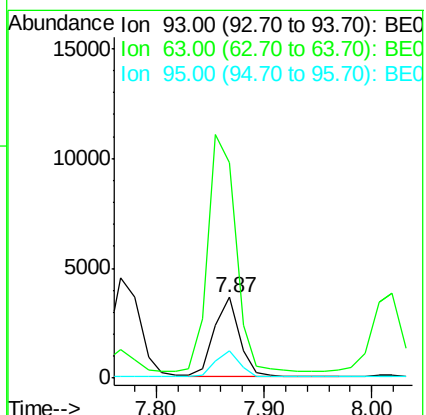
Tgt Ion: 93 Resp: 5844

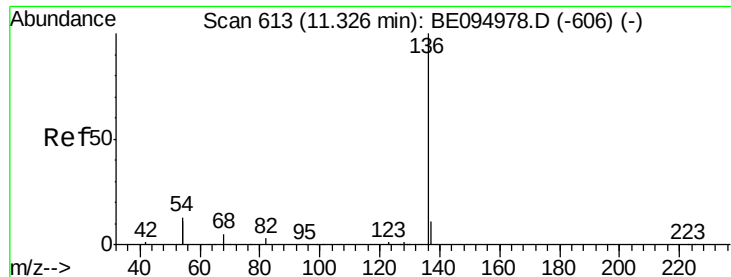
Ion Ratio Lower Upper

93 100

63 329.9 275.3 412.9

95 31.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 15195

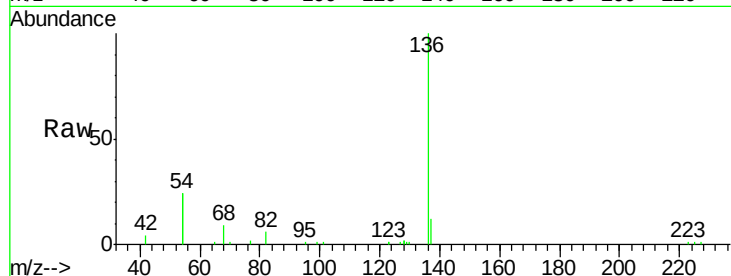
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 48.9 29.1 43.7#

68 9.5 6.2 9.2#

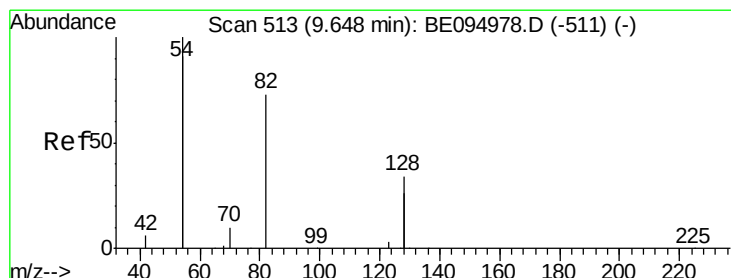
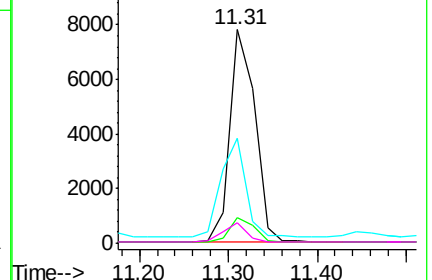
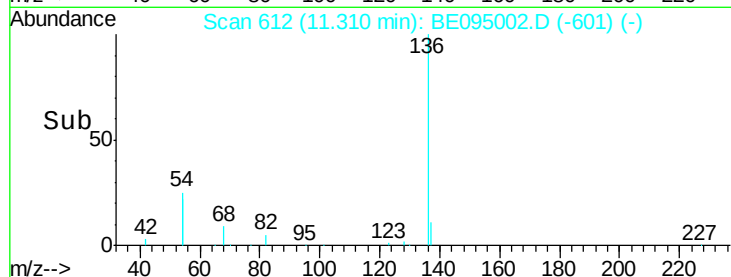


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.446 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

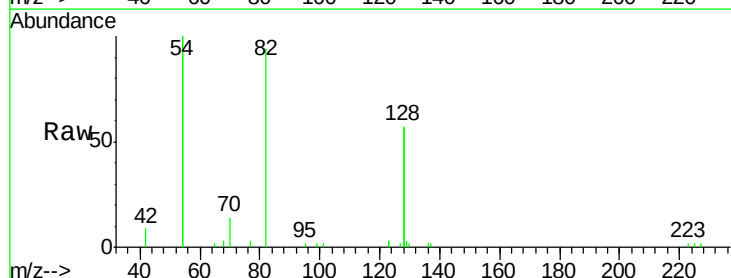
Tgt Ion: 82 Resp: 5567

Ion Ratio Lower Upper

82 100

128 121.6 150.0 225.0#

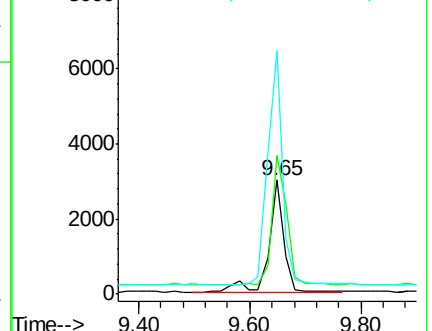
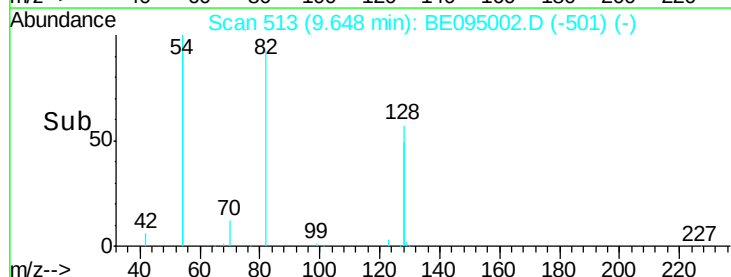
54 213.7 154.2 231.4

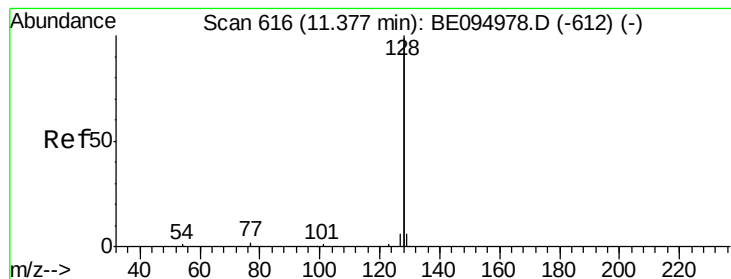


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.390 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampled :

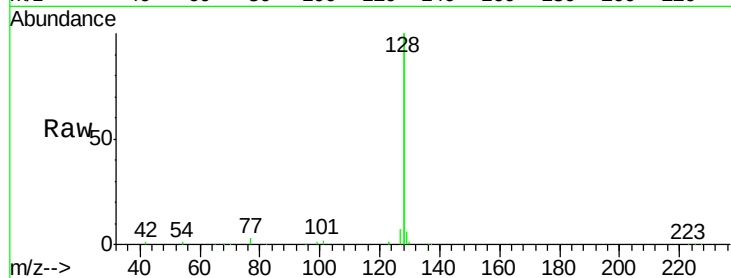
Tot Ion:128 Resp: 69565

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

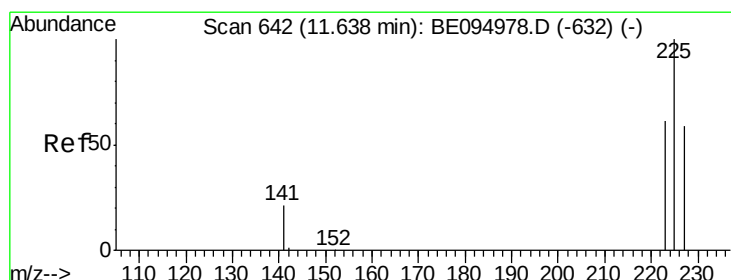
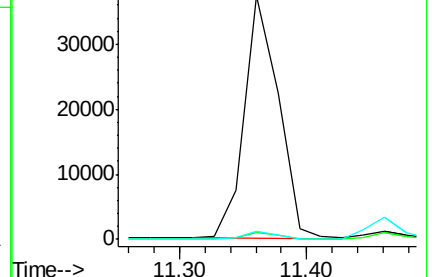
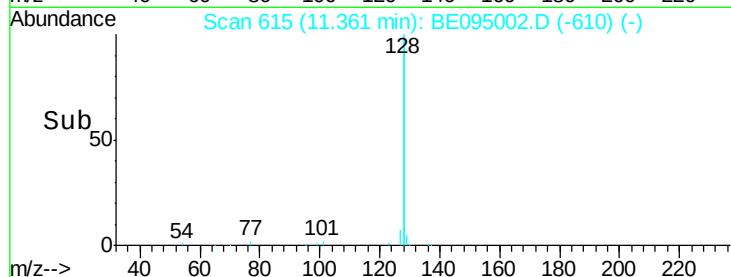
127 3.5 2.8 4.2



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: 0.382 ng

RT: 11.63 min Scan# 640

Delta R.T. -0.01 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

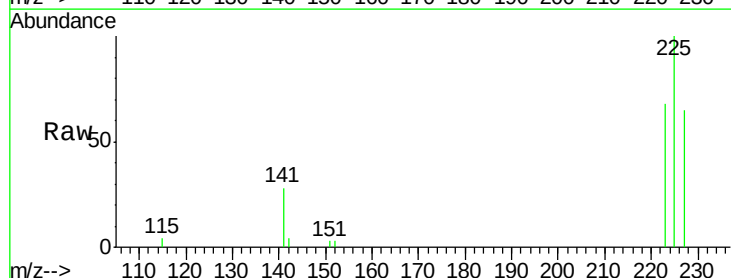
Tgt Ion:225 Resp: 3097

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

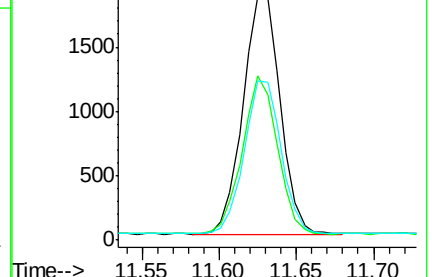
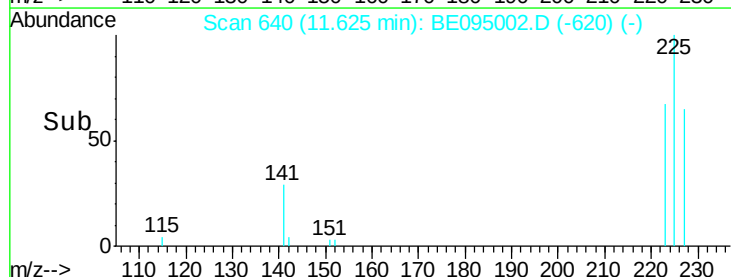
227 63.9 51.4 77.2

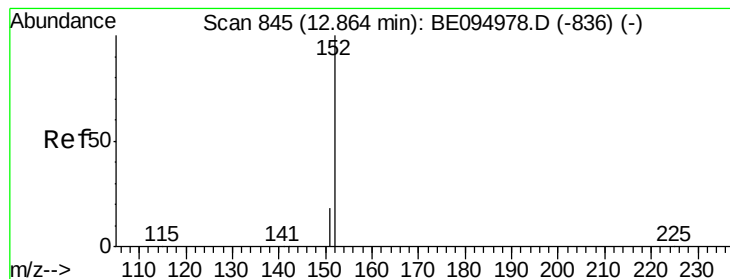


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 12.85 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

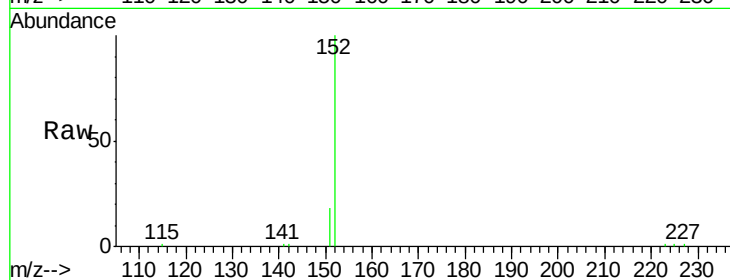
ClientSampleId :

Tot Ion:152 Resp: 9718

Ion Ratio Lower Upper

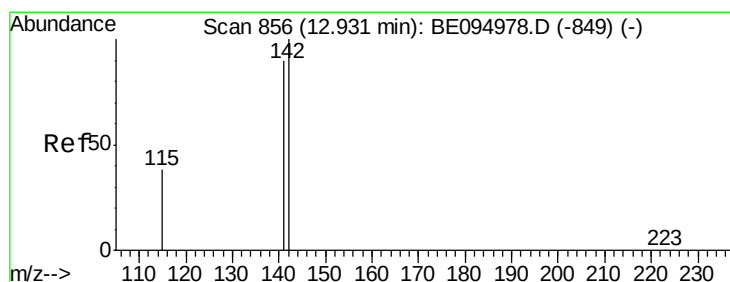
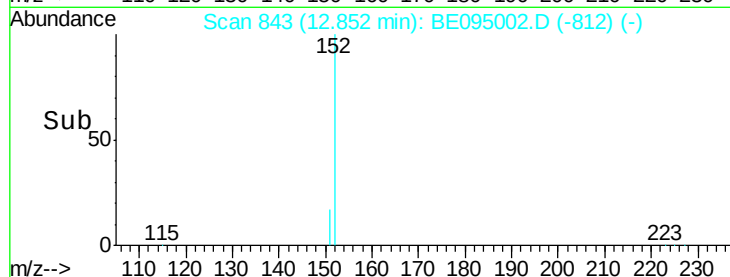
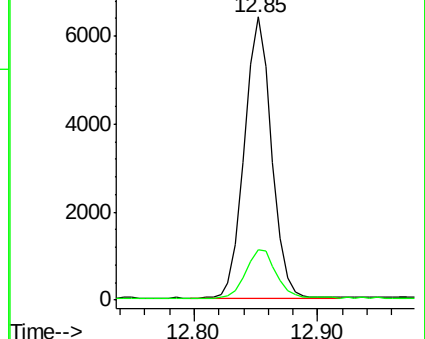
152 100

151 19.2 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: 0.362 ng

RT: 12.92 min Scan# 855

Delta R.T. -0.01 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

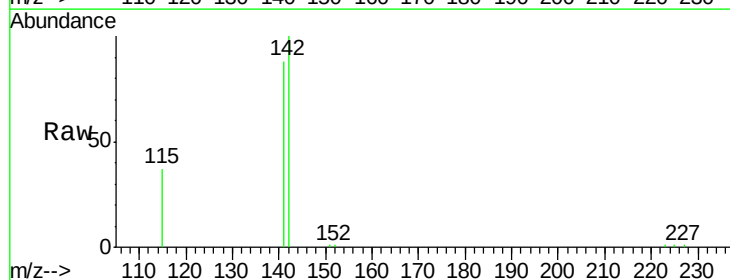
Tgt Ion:142 Resp: 16101

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

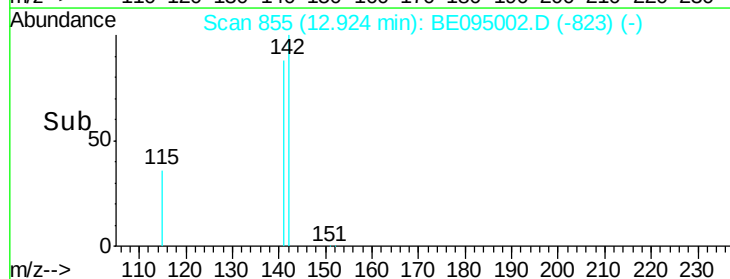
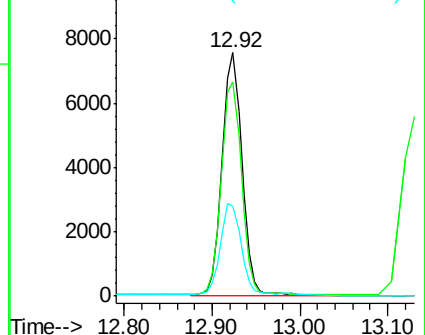
115 36.9 31.7 47.5

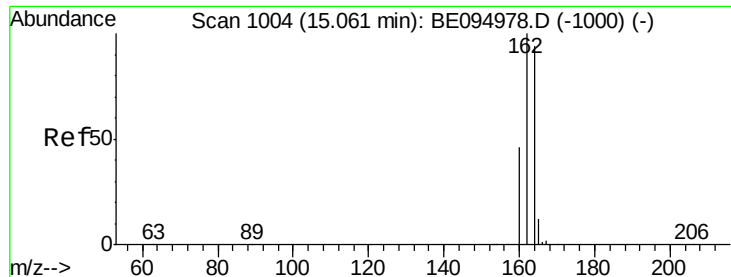


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.05 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

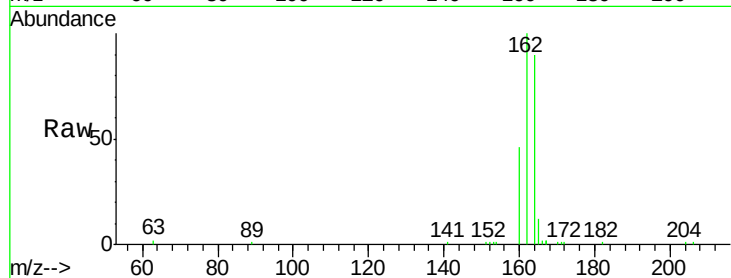
Tot Ion:164 Resp: 8728

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

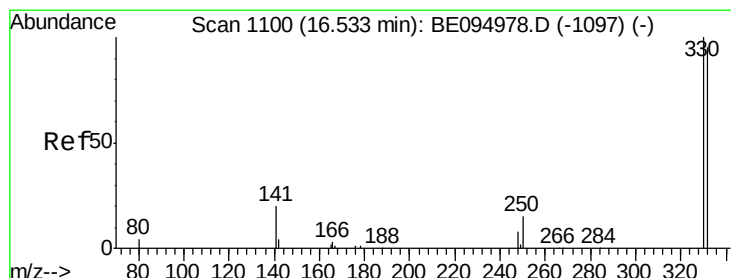
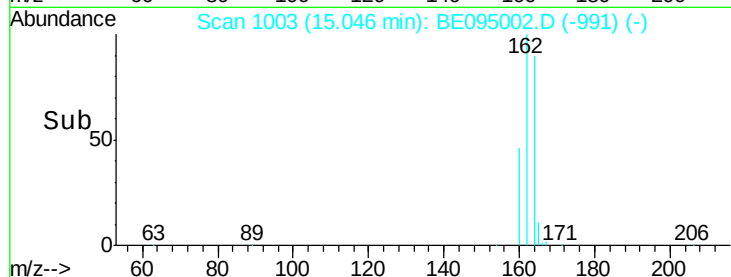
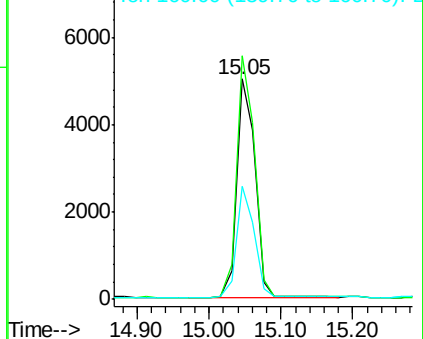
160 51.3 37.1 55.7



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: 0.474 ng

RT: 16.52 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

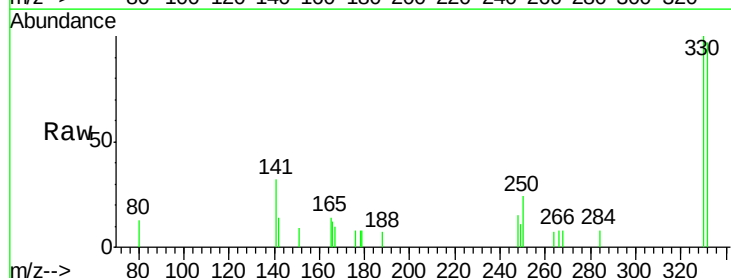
Tgt Ion:330 Resp: 962

Ion Ratio Lower Upper

330 100

332 97.4 152.7 229.1#

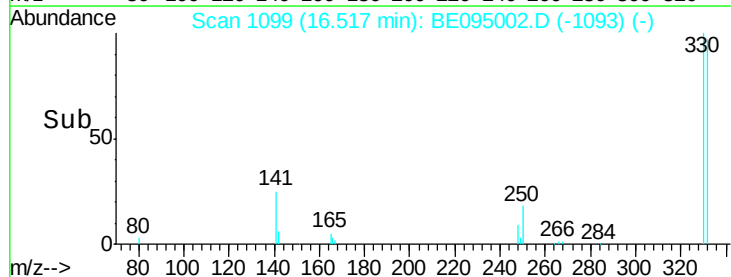
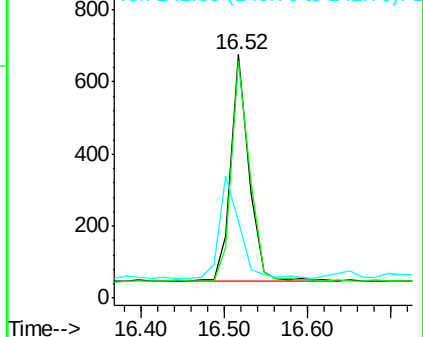
141 51.5 33.7 50.5#

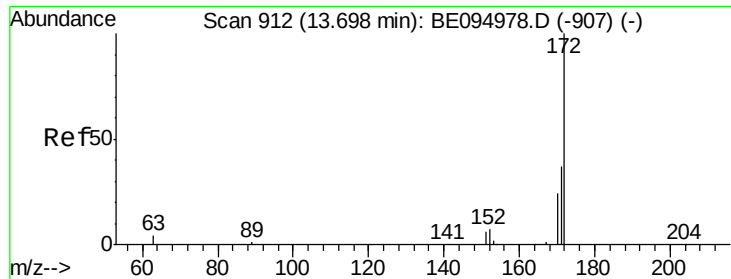


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

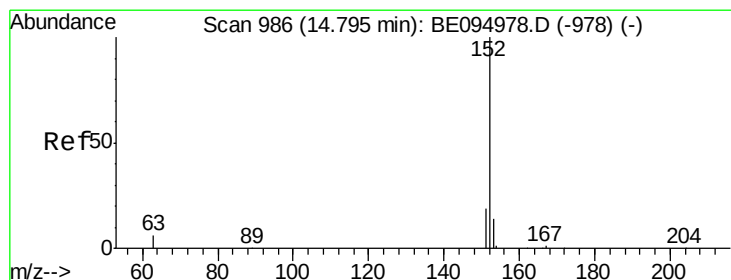
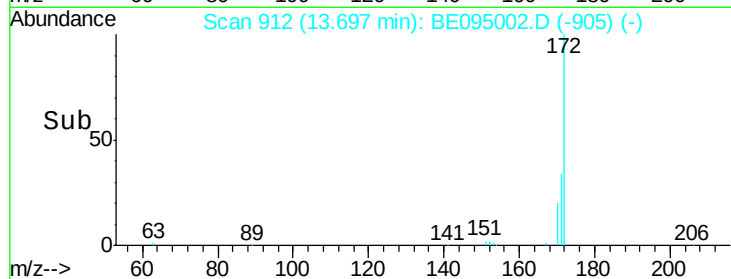
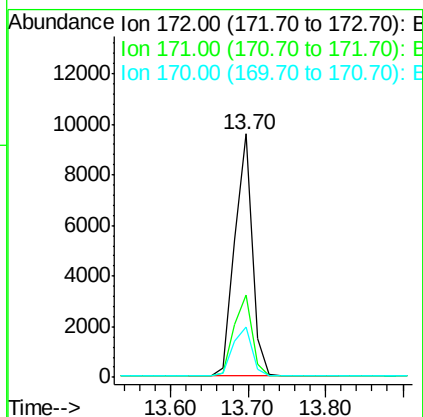
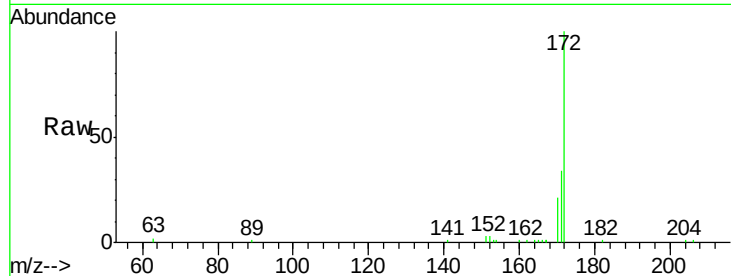




#15
 2-Fluorobiphenyl
 Concen: 0.390 ng
 RT: 13.70 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

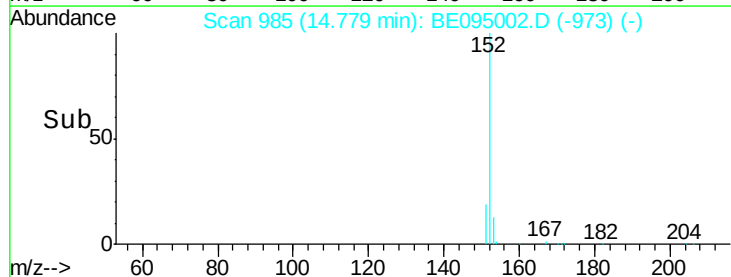
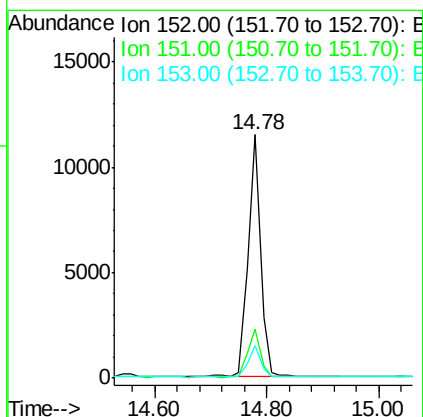
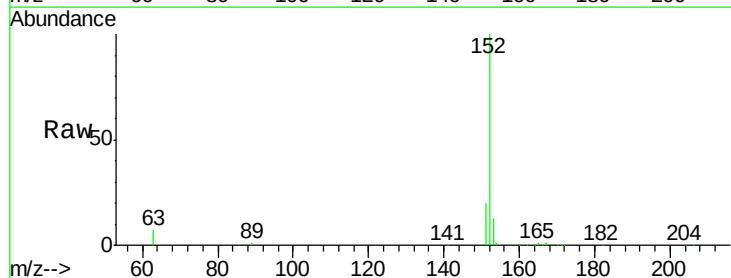
Instrument :
 BNA_E
 ClientSampleId :

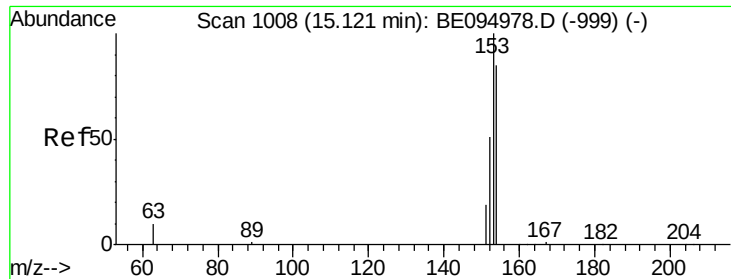
Tot Ion:172 Resp: 15088
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.9 44.9
 170 20.5 21.8 32.8#



#16
 Acenaphthylene
 Concen: 0.388 ng
 RT: 14.78 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

Tgt Ion:152 Resp: 18124
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.7 23.5
 153 12.7 10.5 15.7





#17

Acenaphthene

Concen: 0.392 ng

RT: 15.11 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

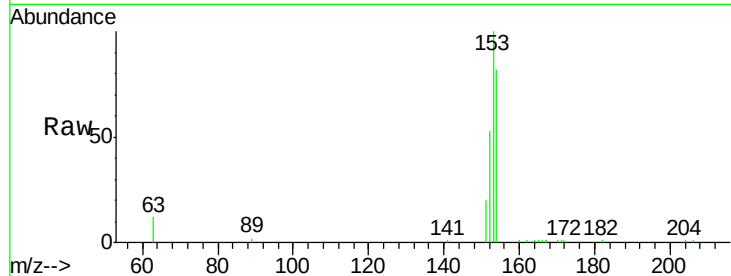
Tot Ion:154 Resp: 12128

Ion Ratio Lower Upper

154 100

153 114.2 89.2 133.8

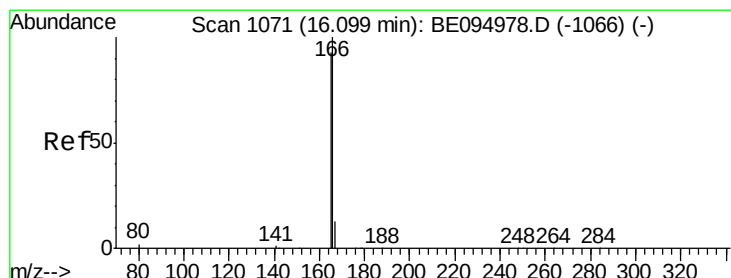
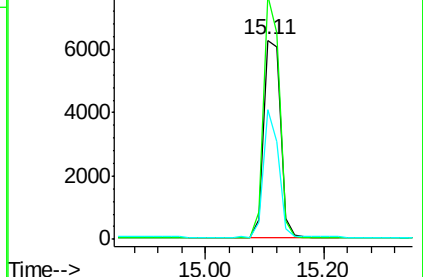
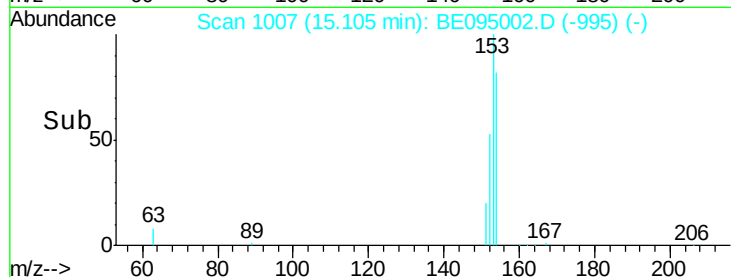
152 58.5 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.384 ng

RT: 16.08 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

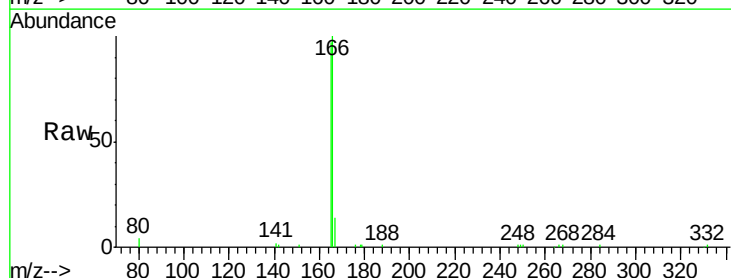
Tgt Ion:166 Resp: 14773

Ion Ratio Lower Upper

166 100

165 101.7 77.8 116.6

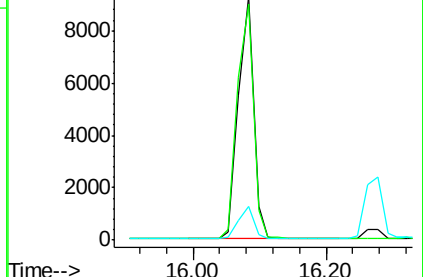
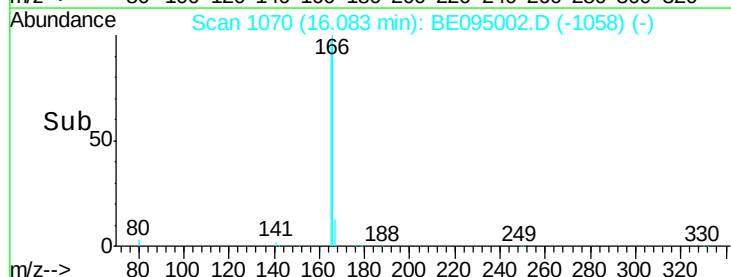
167 13.2 42.4 63.6#

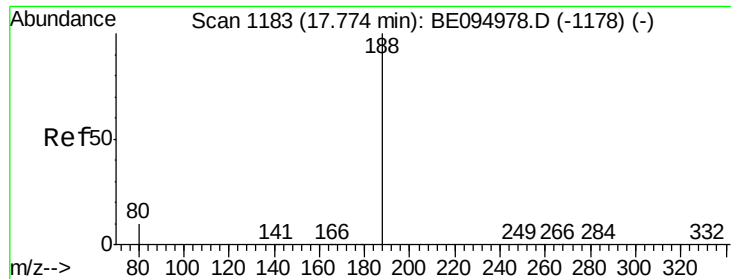


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.76 min Scan# 1182

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

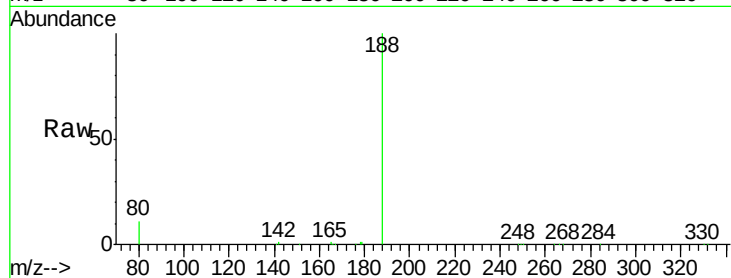
Tot Ion:188 Resp: 20621

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

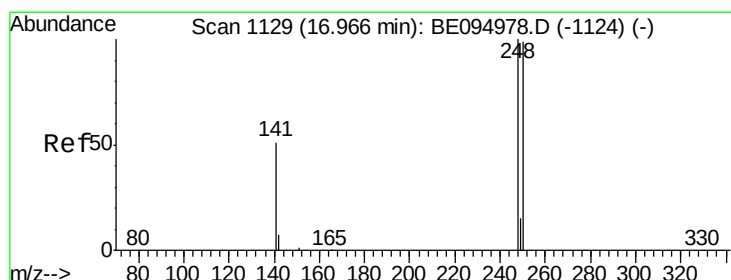
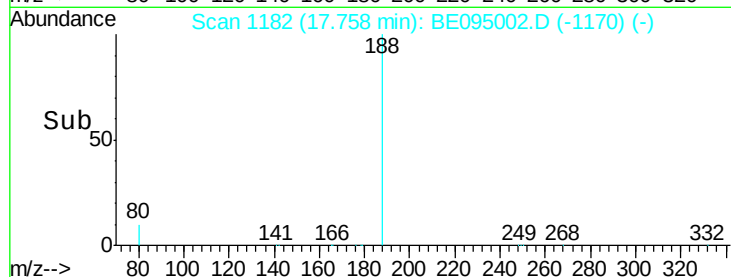
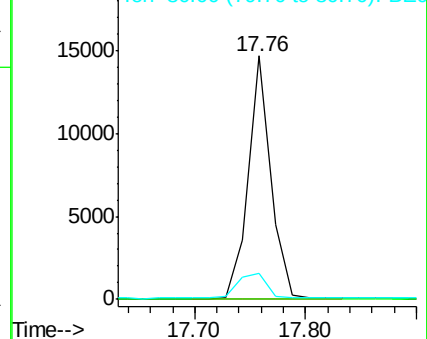
80 10.7 3.6 5.4#



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: 0.387 ng

RT: 16.95 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

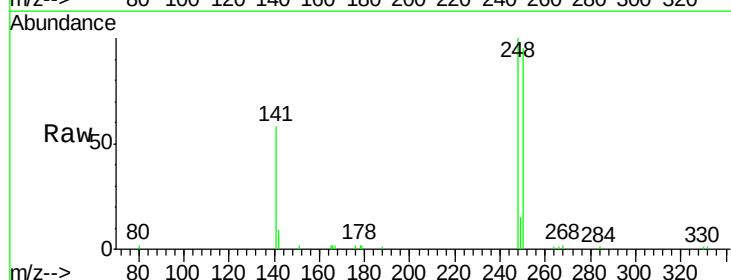
Tgt Ion:248 Resp: 4665

Ion Ratio Lower Upper

248 100

250 95.2 62.7 94.1#

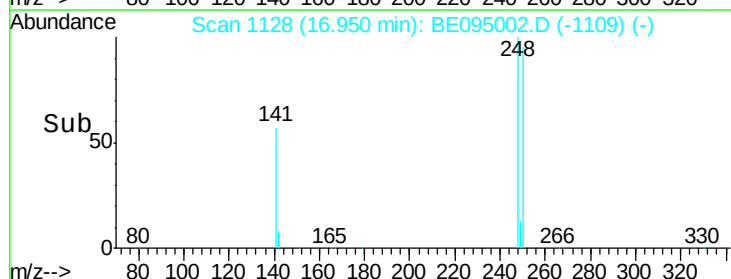
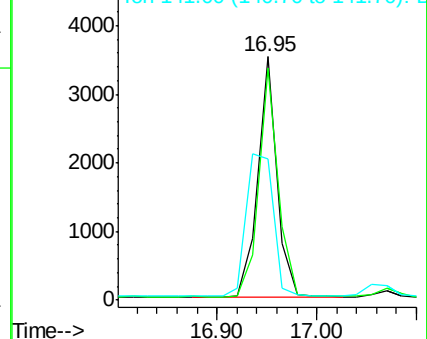
141 58.2 48.2 72.2

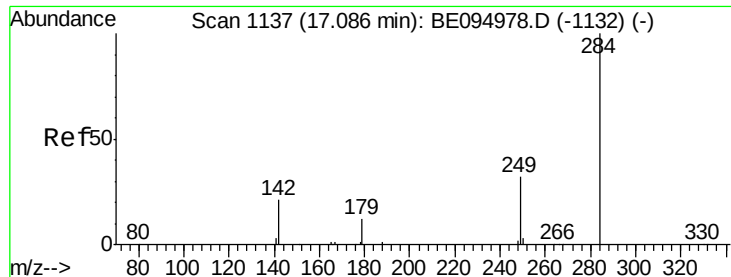


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 17.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

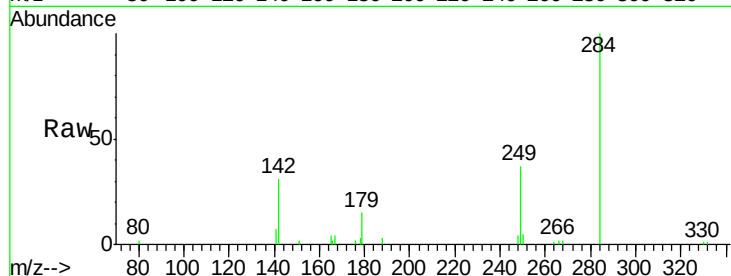
Tot Ion:284 Resp: 4667

Ion Ratio Lower Upper

284 100

142 41.4 22.1 33.1#

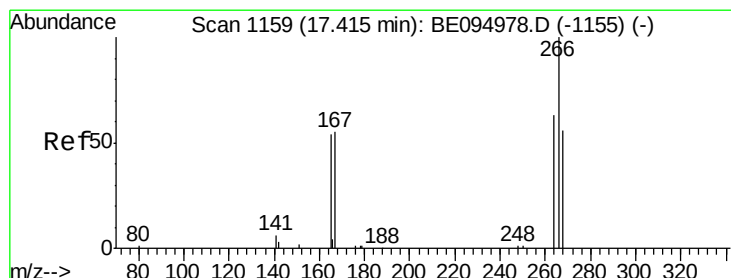
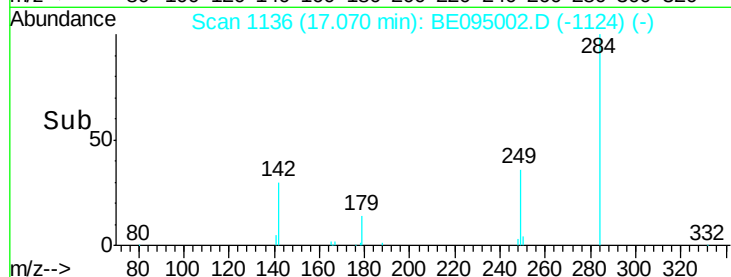
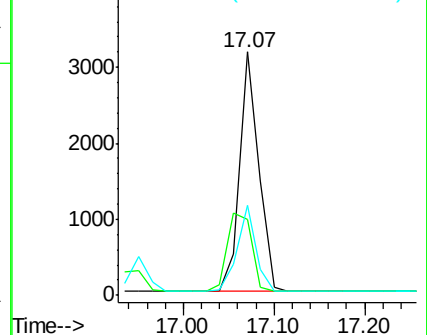
249 34.9 34.8 52.2



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: 0.480 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

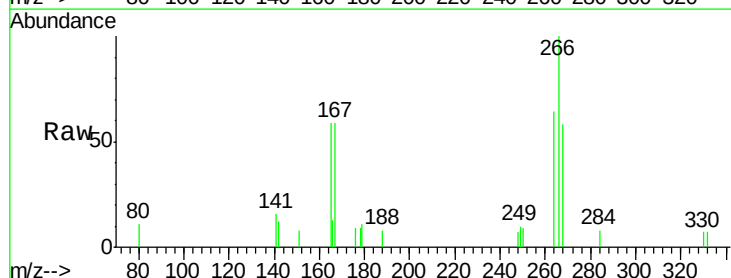
Tgt Ion:266 Resp: 1223

Ion Ratio Lower Upper

266 100

264 64.3 72.5 108.7#

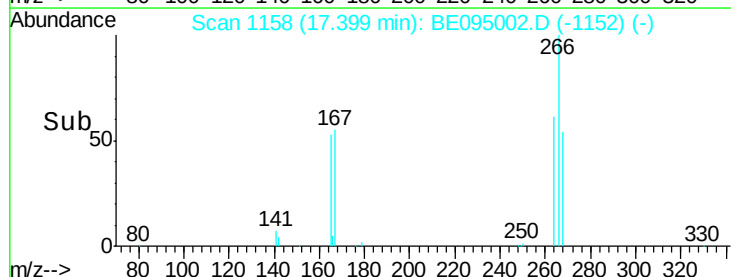
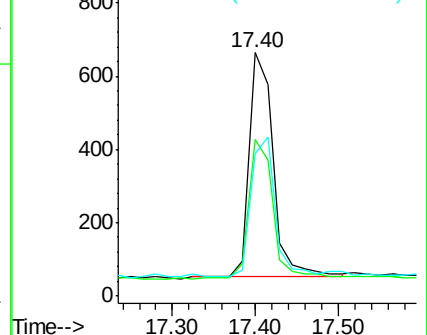
268 58.4 73.8 110.6#

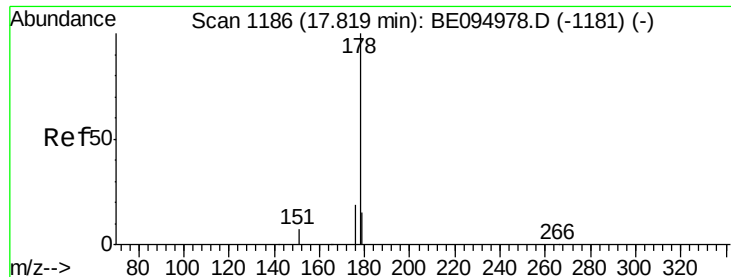


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.80 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampled :

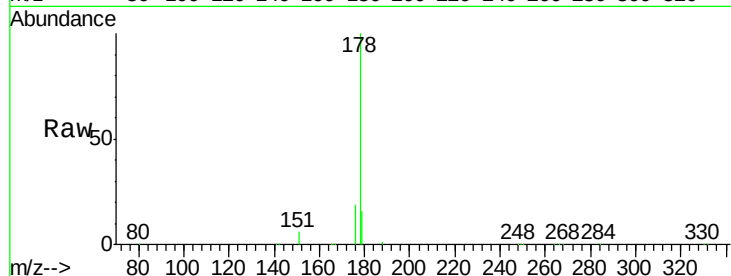
Tot Ion:178 Resp: 24894

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

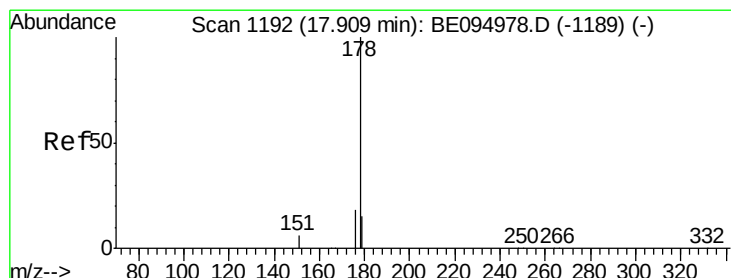
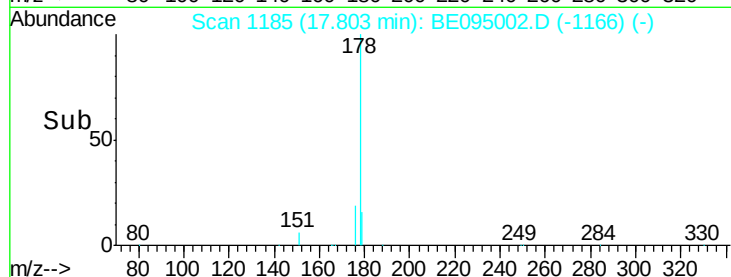
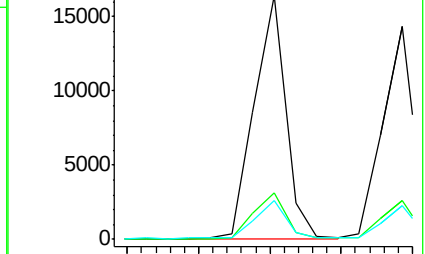
179 15.6 11.8 17.6



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: 0.381 ng

RT: 17.89 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

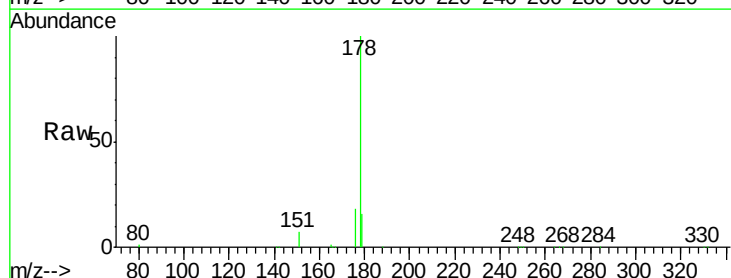
Tgt Ion:178 Resp: 25151

Ion Ratio Lower Upper

178 100

176 20.4 12.8 19.2#

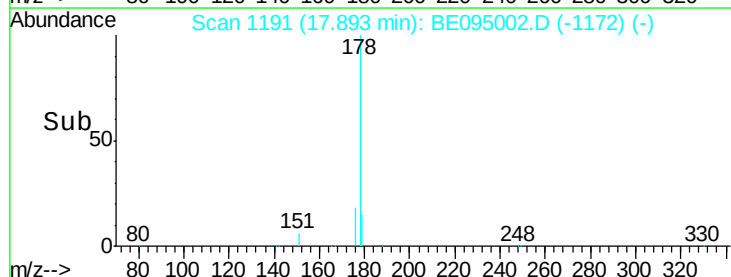
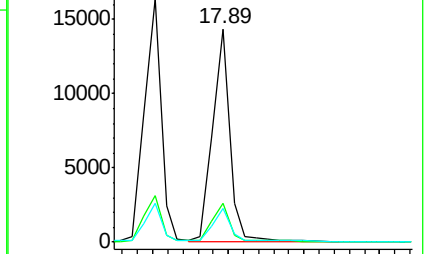
179 17.7 13.0 19.6

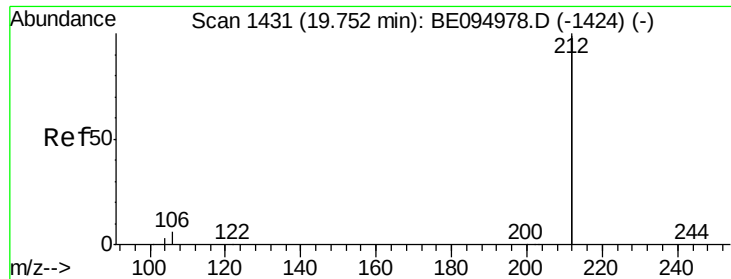


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

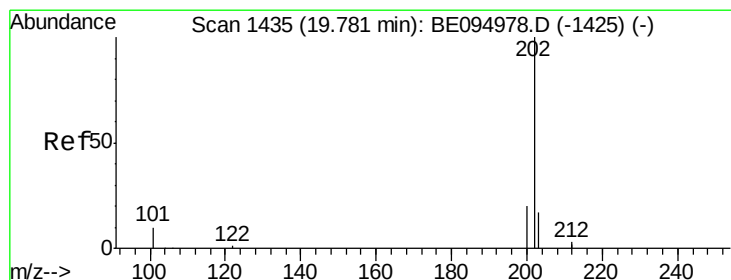
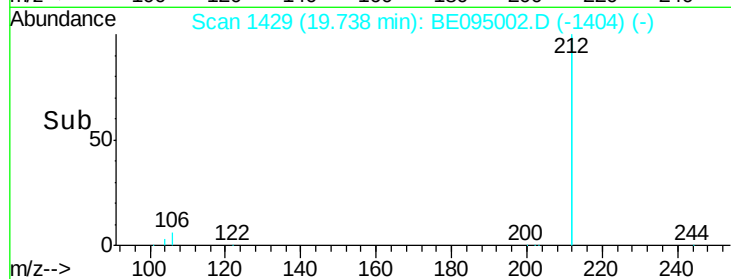
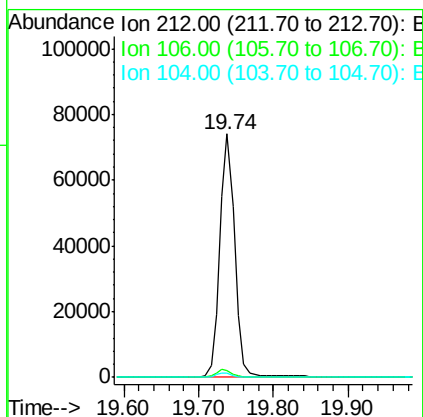
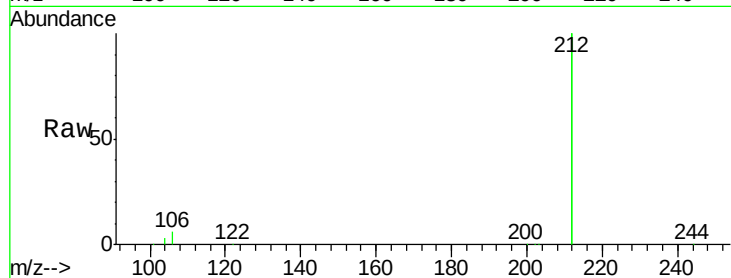




#25
 Fluoranthene-d10
 Concen: 0.381 ng
 RT: 19.74 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

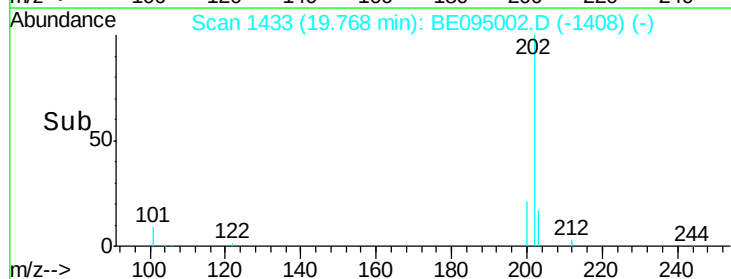
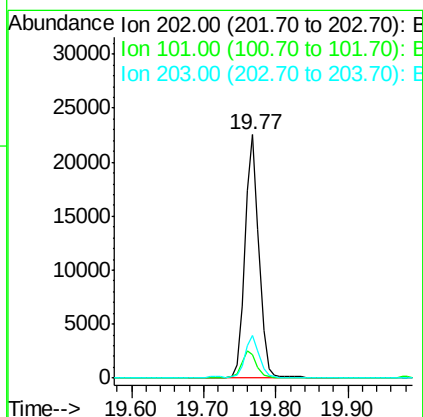
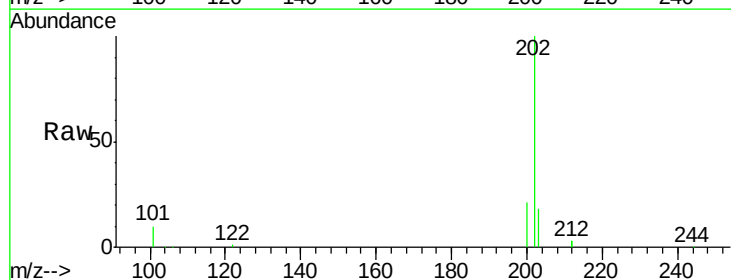
Instrument :
 BNA_E
 ClientSampled :

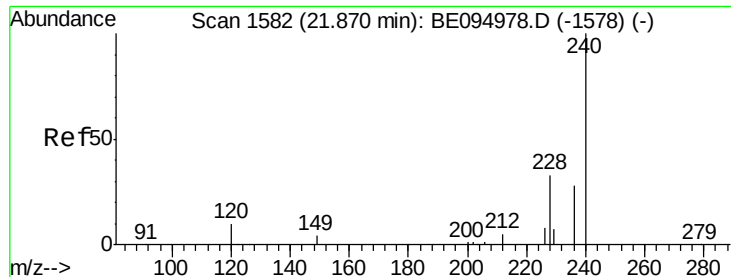
Tot Ion:212 Resp: 101926
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.379 ng
 RT: 19.77 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

Tgt Ion:202 Resp: 30035
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.8 14.8
 203 17.2 13.7 20.5

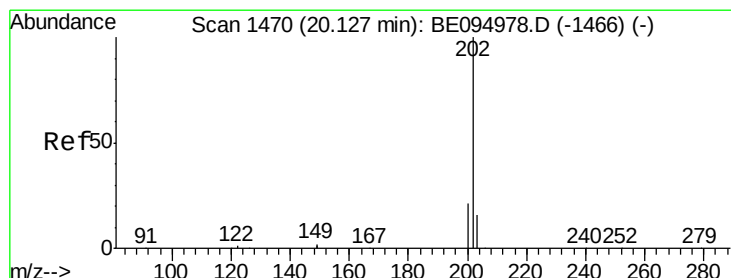
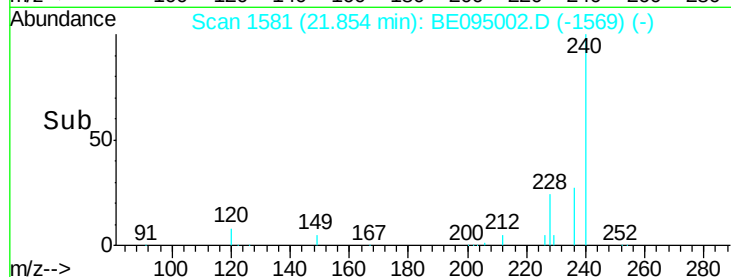
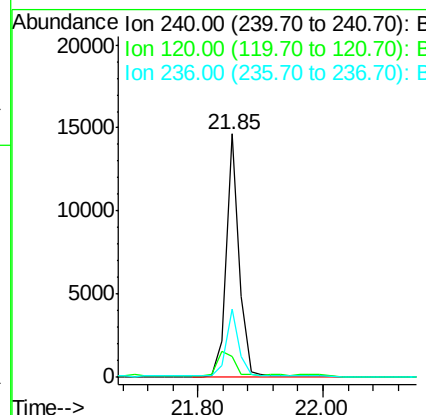
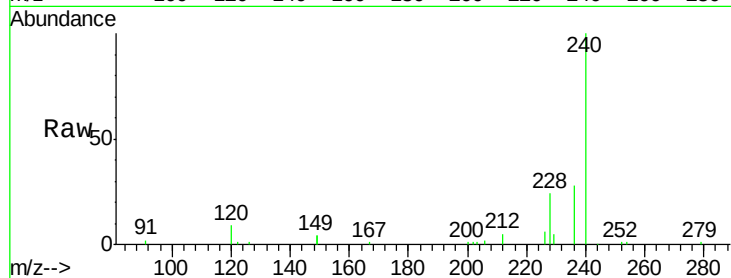




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.85 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

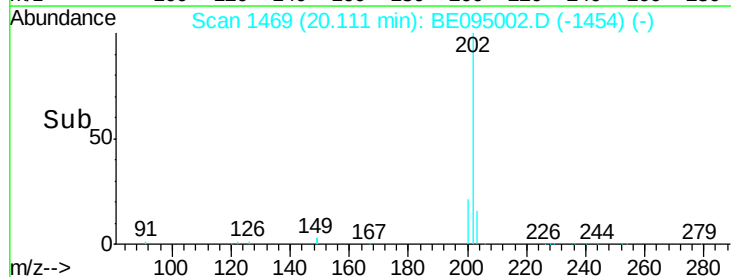
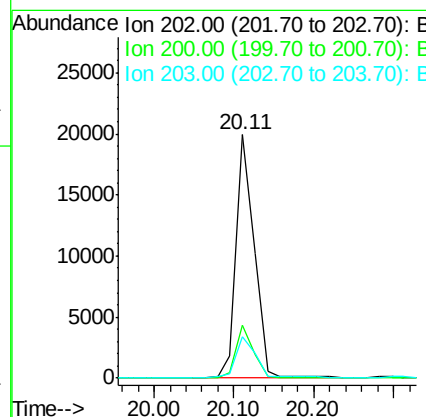
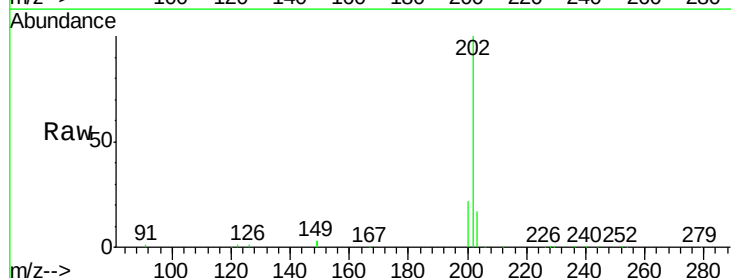
Instrument :
 BNA_E
 ClientSampleId :

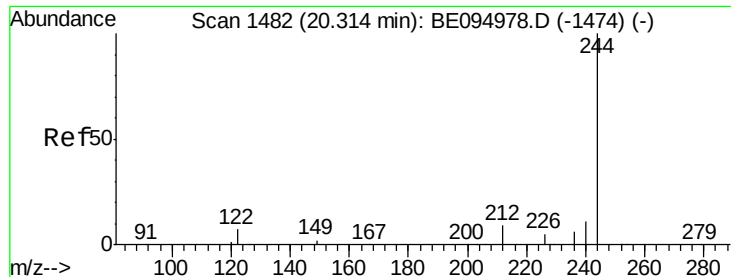
Tot Ion:240 Resp: 23439
 Ion Ratio Lower Upper
 240 100
 120 8.6 5.5 8.3#
 236 27.8 20.7 31.1



#28
 Pyrene
 Concen: 0.383 ng
 RT: 20.11 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BE095002.D
 Acq: 15 Dec 2017 15:15

Tgt Ion:202 Resp: 30451
 Ion Ratio Lower Upper
 202 100
 200 24.7 16.6 25.0
 203 20.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.382 ng

RT: 20.30 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BE095002.D

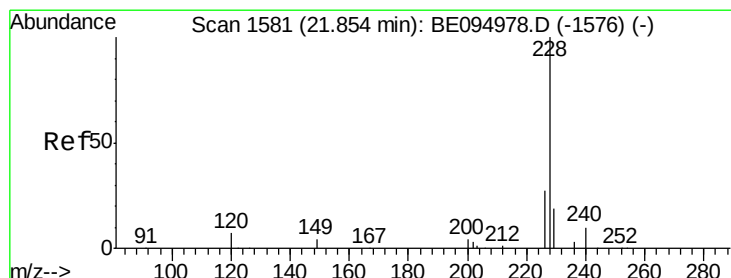
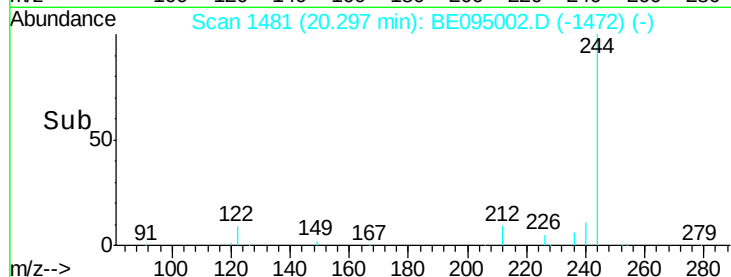
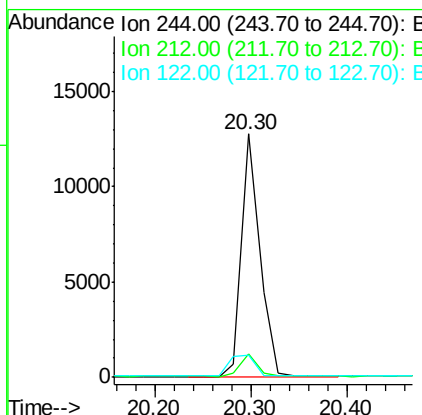
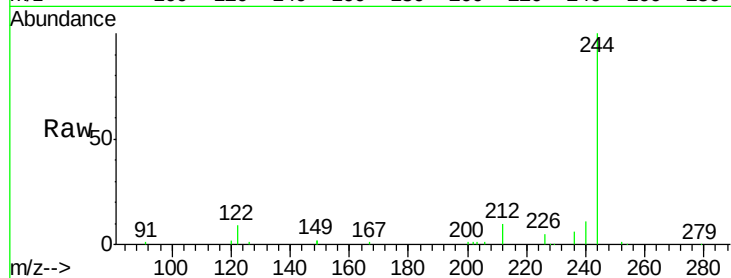
Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:244	Resp:	16837
Ion Ratio	Lower	Upper
244	100	
212	9.7	25.4 38.0#
122	9.1	8.1 12.1



#30

Benzo(a)anthracene

Concen: 0.382 ng

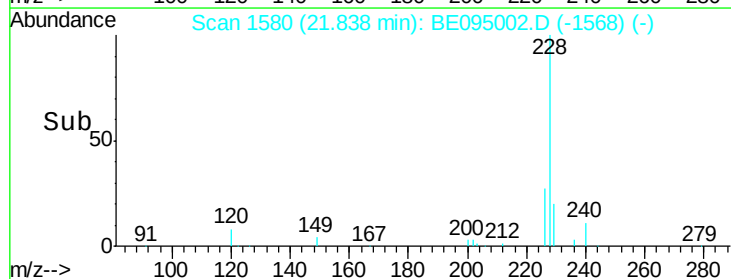
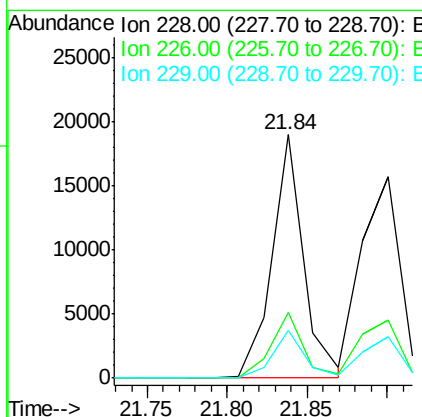
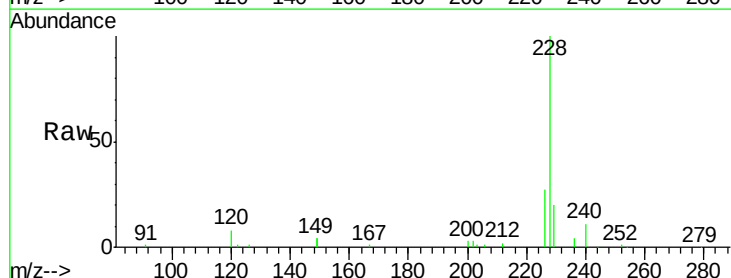
RT: 21.84 min Scan# 1580

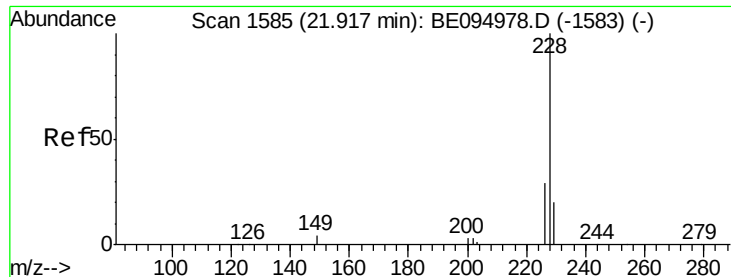
Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Tgt Ion:228	Resp:	26142
Ion Ratio	Lower	Upper
228	100	
226	26.9	40.0 60.0#
229	19.8	40.0 60.0#





#31

Chrysene

Concen: 0.375 ng

RT: 21.90 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

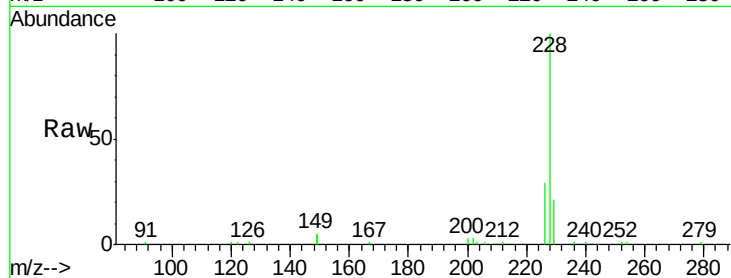
Tot Ion:228 Resp: 28941

Ion Ratio Lower Upper

228 100

226 29.0 40.0 60.0#

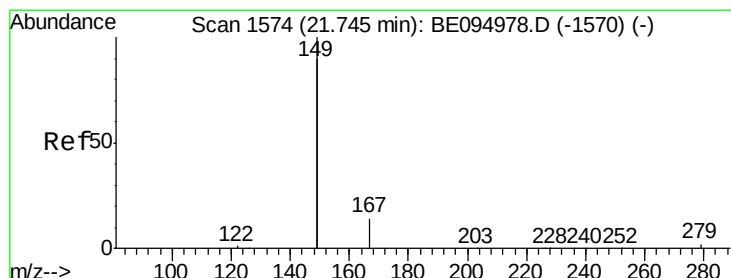
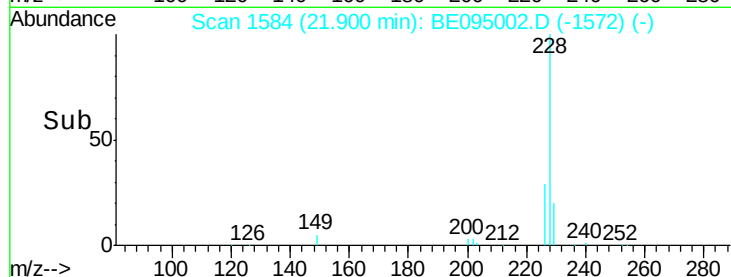
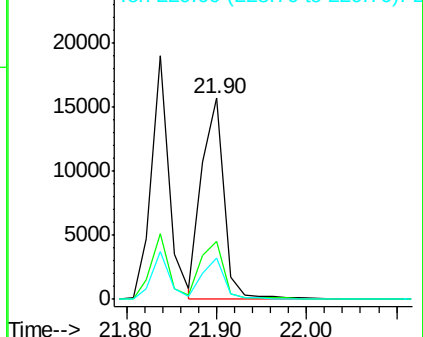
229 20.6 40.0 60.0#



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: 0.433 ng

RT: 21.71 min Scan# 1572

Delta R.T. -0.03 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

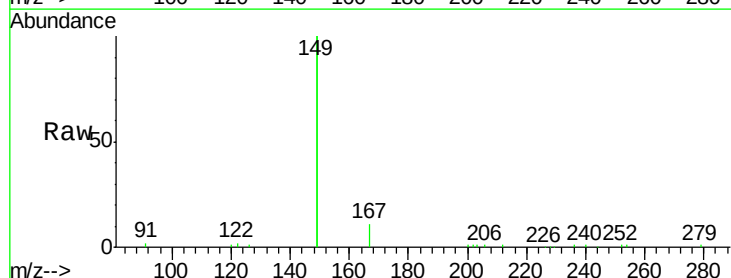
Tgt Ion:149 Resp: 37787

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

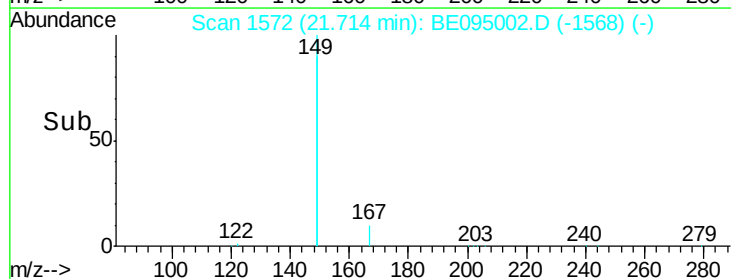
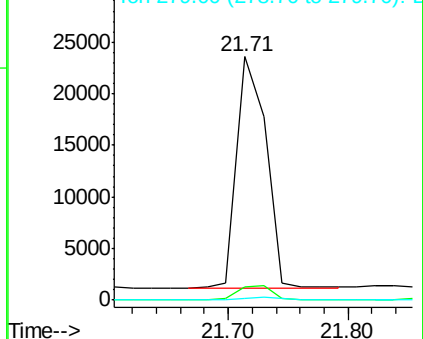
279 1.1 0.7 1.1#

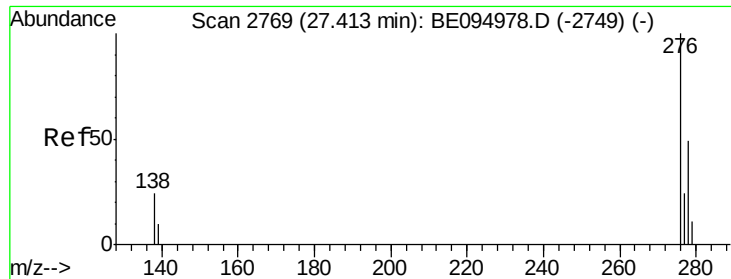


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.393 ng

RT: 27.37 min Scan# 2759

Delta R.T. -0.05 min

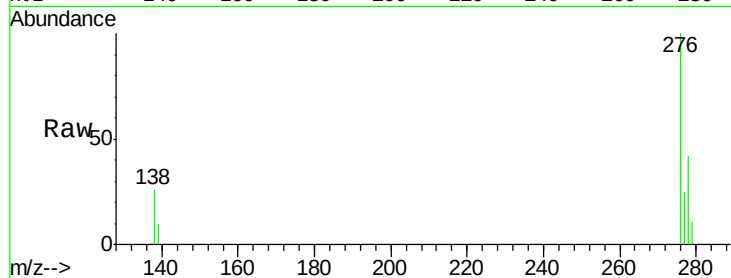
Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :



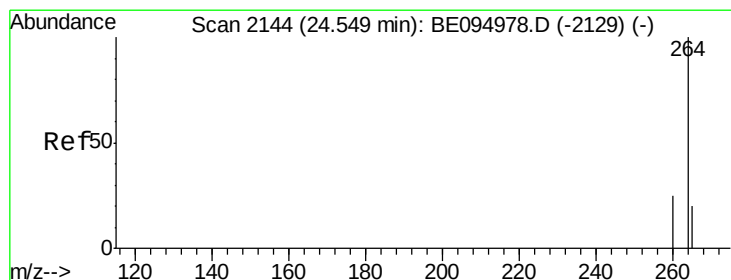
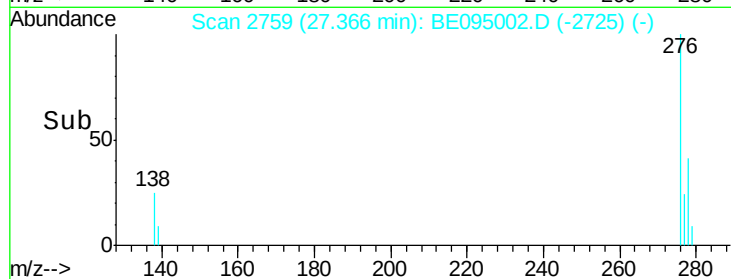
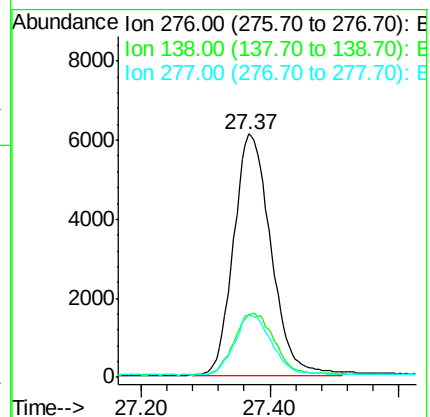
Tot Ion:276 Resp: 24667

Ion Ratio Lower Upper

276 100

138 27.4 22.5 33.7

277 25.0 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.52 min Scan# 2138

Delta R.T. -0.03 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

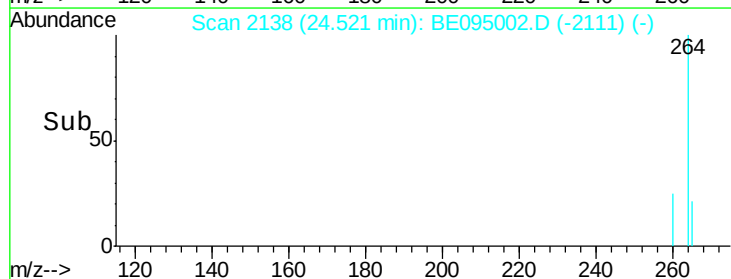
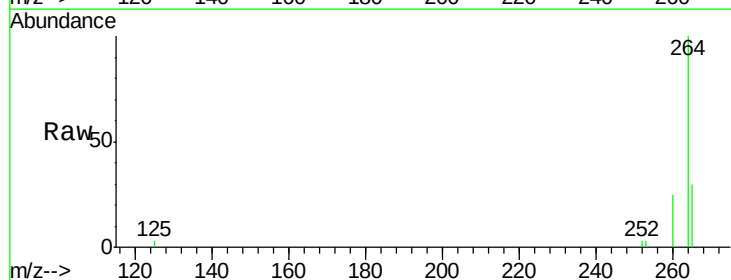
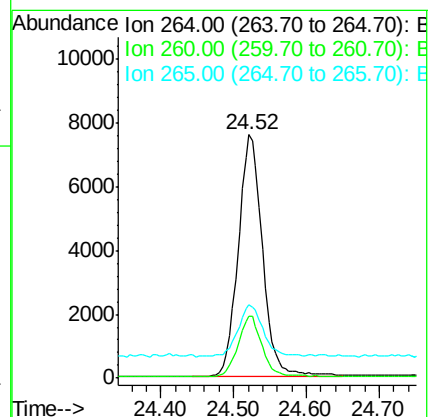
Tgt Ion:264 Resp: 17680

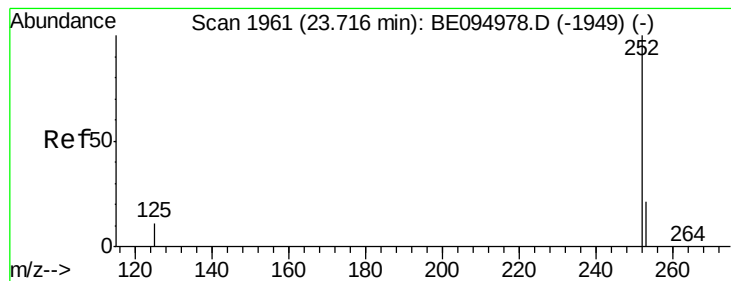
Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 30.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.380 ng

RT: 23.69 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

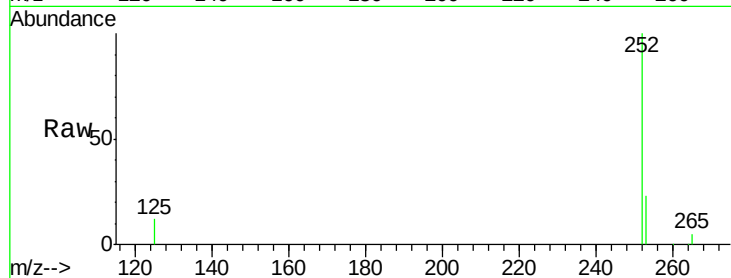
Tot Ion:252 Resp: 24680

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

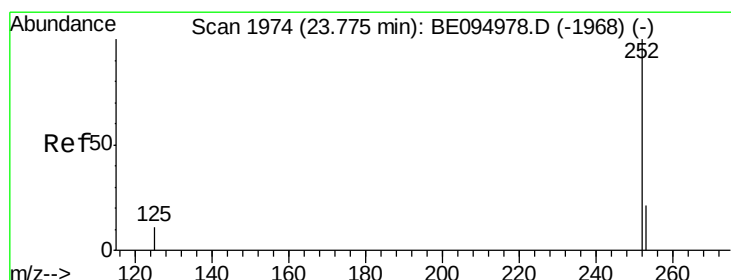
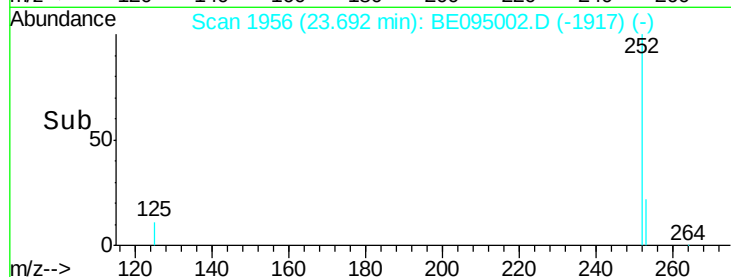
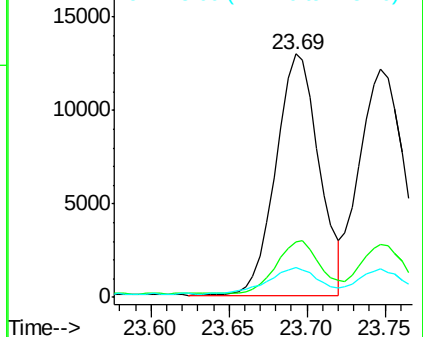
125 12.2 16.0 24.0#



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: 0.377 ng

RT: 23.75 min Scan# 1968

Delta R.T. -0.03 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

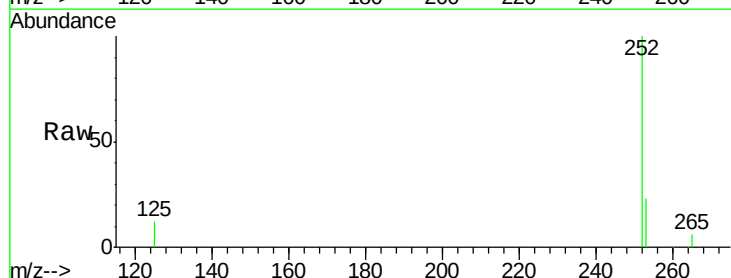
Tgt Ion:252 Resp: 24777

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

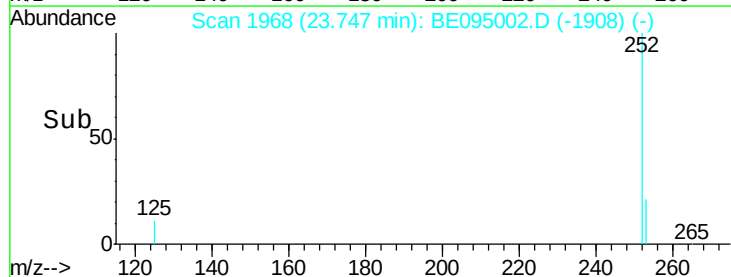
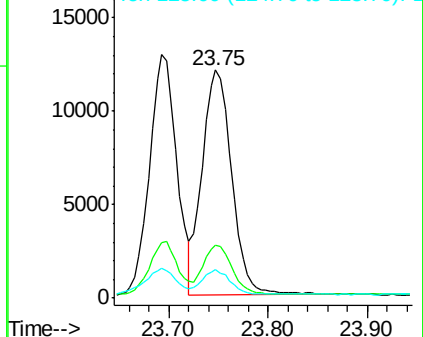
125 12.4 8.0 12.0#

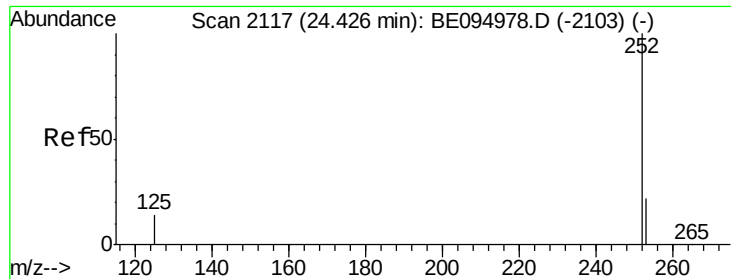


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.388 ng

RT: 24.40 min Scan# 2112

Delta R.T. -0.02 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

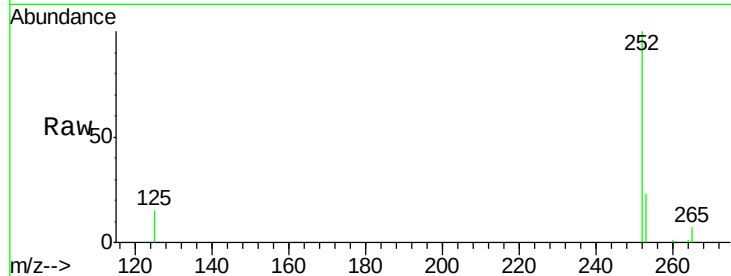
Tot Ion:252 Resp: 22365

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

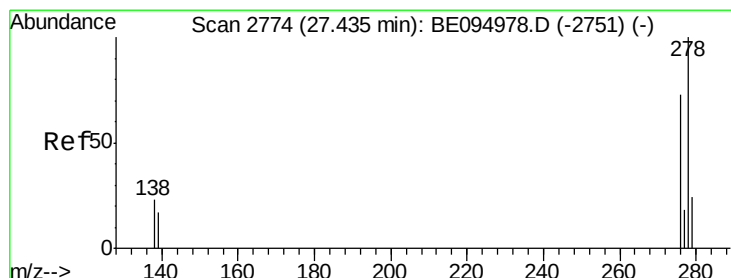
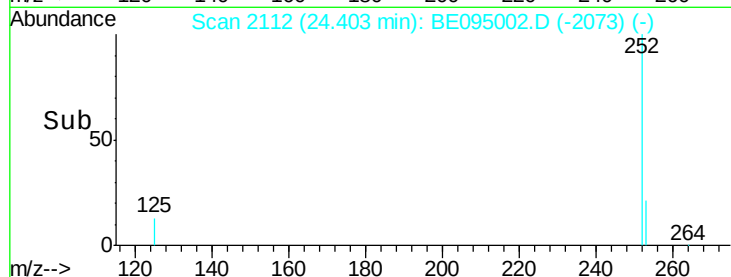
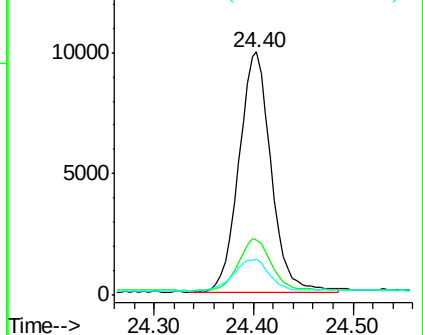
125 14.7 12.0 18.0



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: 0.385 ng

RT: 27.40 min Scan# 2766

Delta R.T. -0.04 min

Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

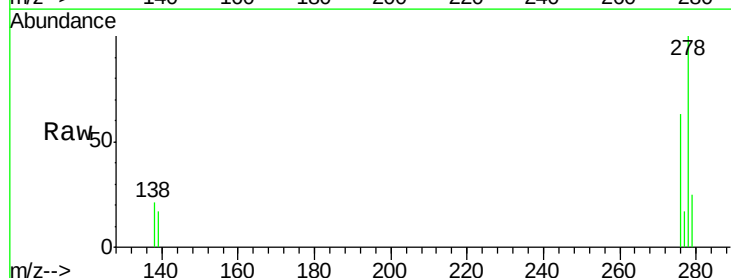
Tgt Ion:278 Resp: 20571

Ion Ratio Lower Upper

278 100

139 17.4 16.0 24.0

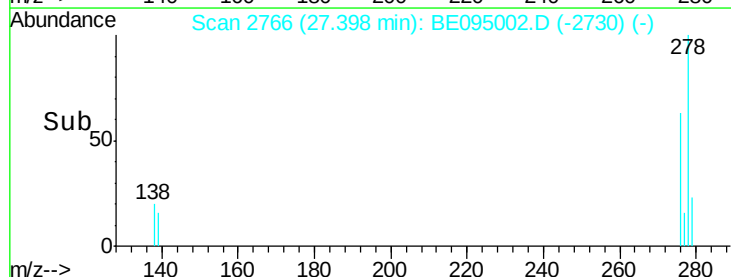
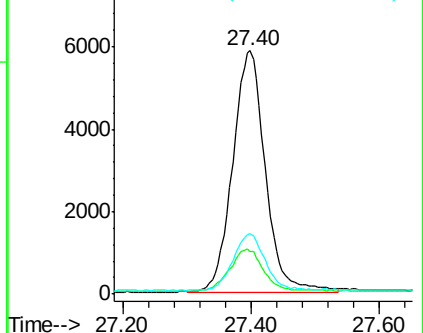
279 24.6 20.0 30.0

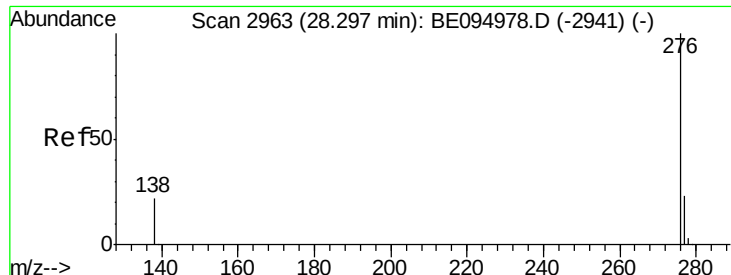


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.387 ng

RT: 28.25 min Scan# 2953

Delta R.T. -0.05 min

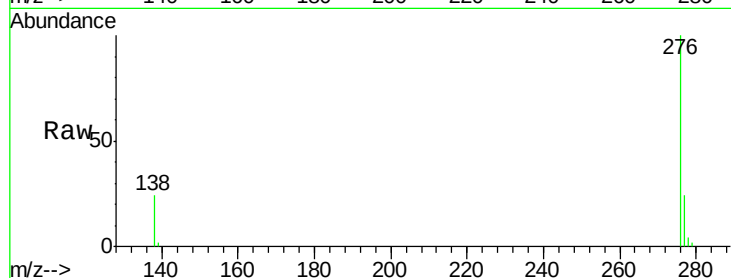
Lab File: BE095002.D

Acq: 15 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 20564

Ion Ratio Lower Upper

276 100

277 24.4 16.0 24.0#

138 23.5 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

