

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094573.D
 Acq On : 26 Oct 2017 21:41
 Operator : SJ/JU
 Sample : I5873-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:42:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

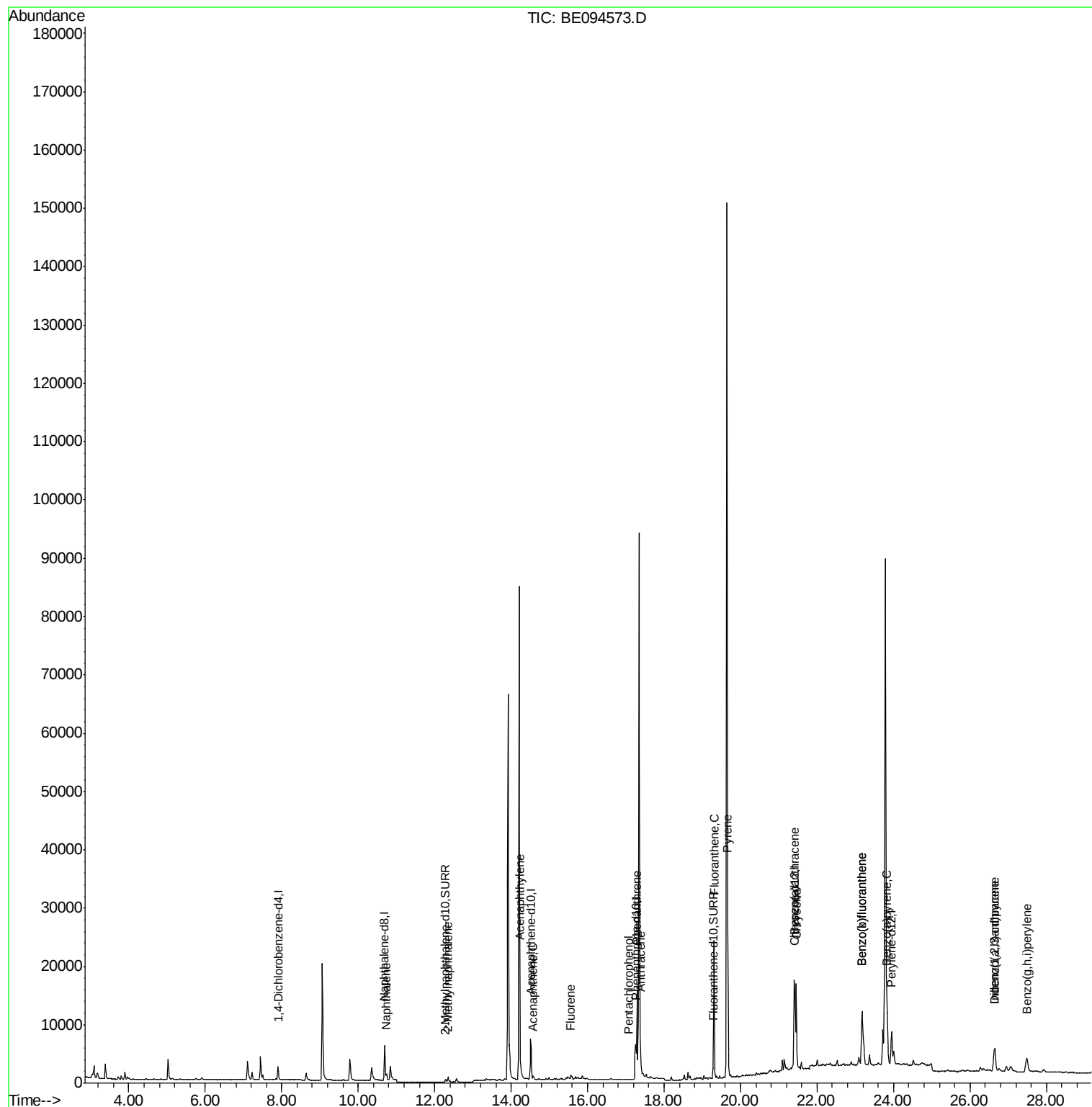
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1229	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7268	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4222	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9317	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9219	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9822	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	774	0.07	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1843	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	1543	0.087	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	921	0.074	ng/ul	97
7) Acenaphthylene	14.24	152	847	0.044	ng/ul#	83
8) Acenaphthene	14.57	153	415	0.030	ng/ul#	90
9) Fluorene	15.57	166	543	0.035	ng/ul#	85
11) Pentachlorophenol	17.08	266	14	0.030	ng/ul#	57
12) Phenanthrene	17.29	178	17512	0.712	ng/ul#	91
13) Anthracene	17.38	178	2765	0.114	ng/ul#	96
15) Fluoranthene	19.31	202	27119	0.953	ng/ul	83
17) Pyrene	19.67	202	27001	0.947	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	13169	0.500	ng/ul#	91
19) Chrysene	21.46	228	15916	0.584	ng/ul	93
21) Benzo(b)fluoranthene	23.17	252	23362	0.846	ng/ul	90
22) Benzo(k)fluoranthene	23.17	252	23306	0.787	ng/ul#	91
23) Benzo(a)pyrene	23.84	252	12392	0.449	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.65	276	7997	0.280	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.64	278	2169	0.090	ng/ul#	29
26) Benzo(g,h,i)perylene	27.48	276	6991	0.305	ng/ul#	79

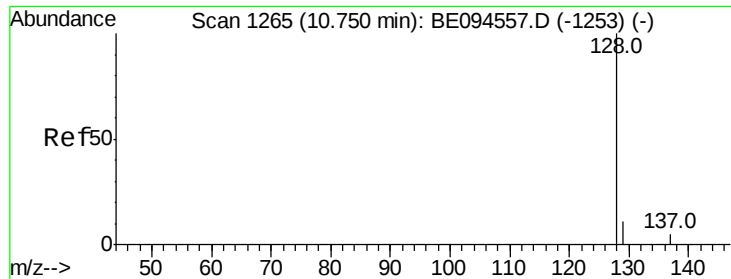
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.087 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampled :

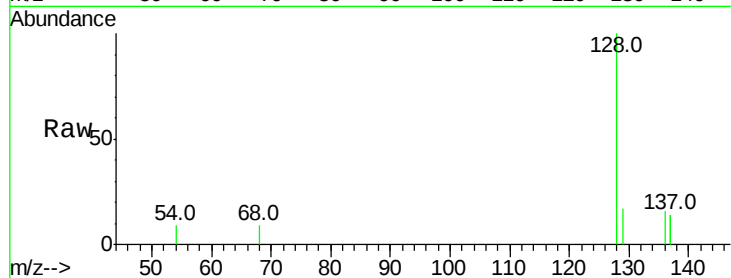
Tot Ion:128 Resp: 1543

Ion Ratio Lower Upper

128 100

129 17.0 11.3 16.9#

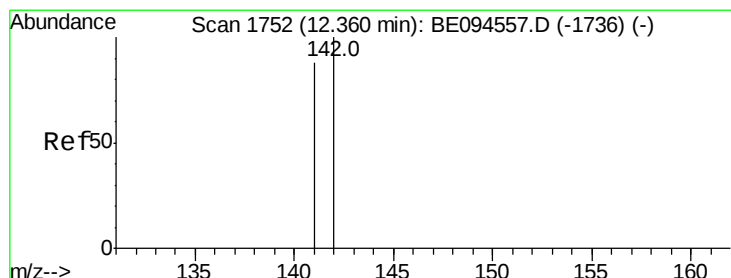
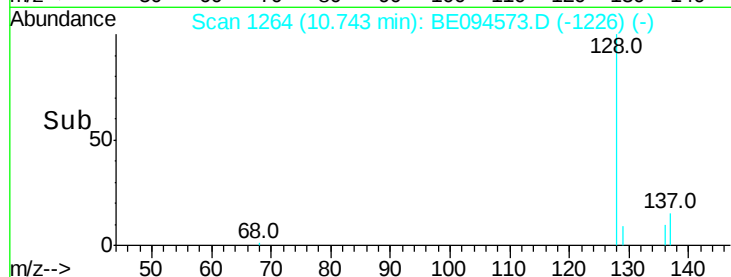
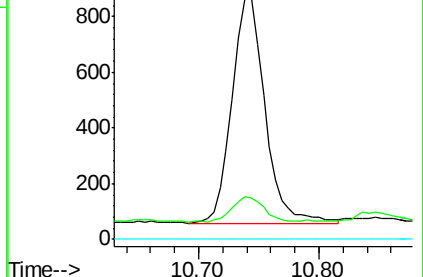
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094573.D

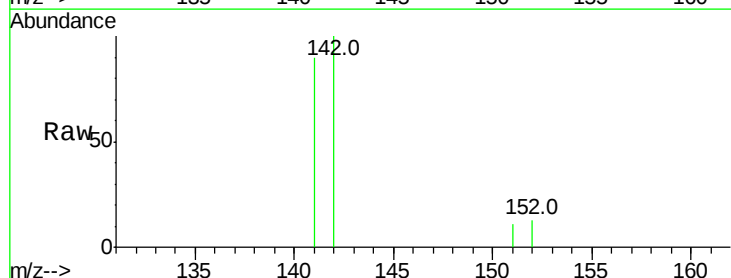
Acq: 26 Oct 2017 21:41

Tgt Ion:142 Resp: 921

Ion Ratio Lower Upper

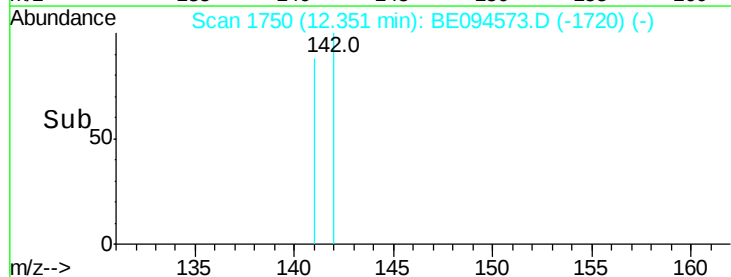
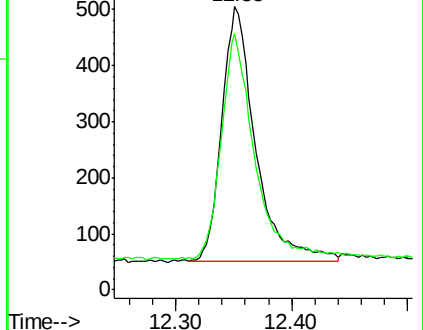
142 100

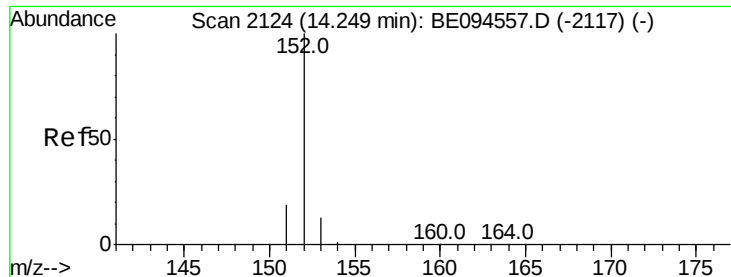
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

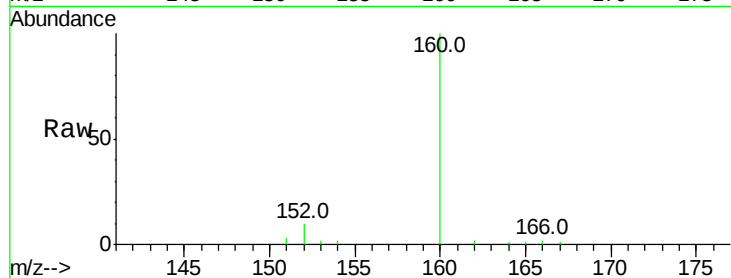
Tot Ion:152 Resp: 847

Ion Ratio Lower Upper

152 100

151 28.2 17.1 25.7#

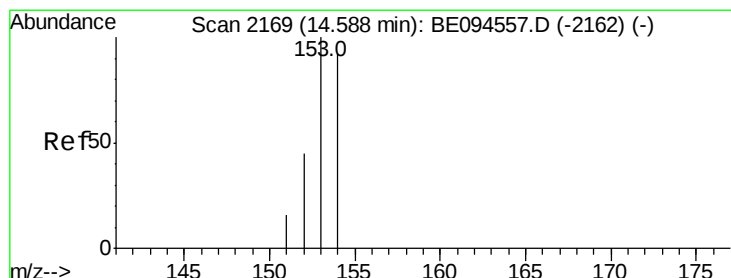
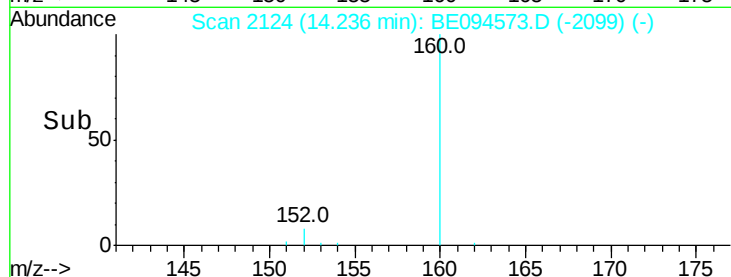
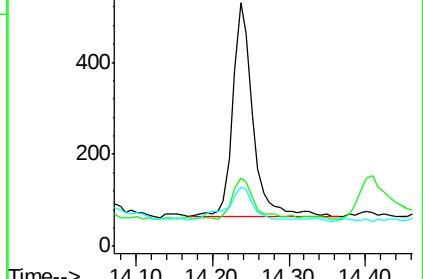
153 24.6 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.030 ng/ul

RT: 14.57 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

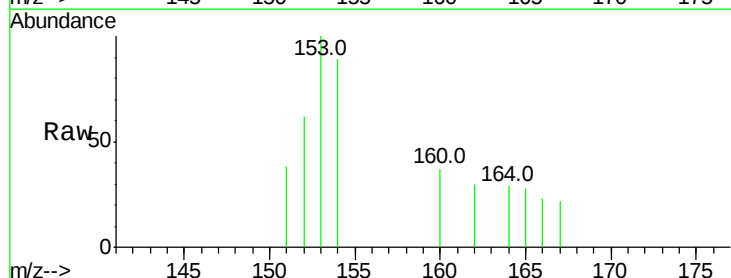
Tgt Ion:153 Resp: 415

Ion Ratio Lower Upper

153 100

152 62.4 36.0 54.0#

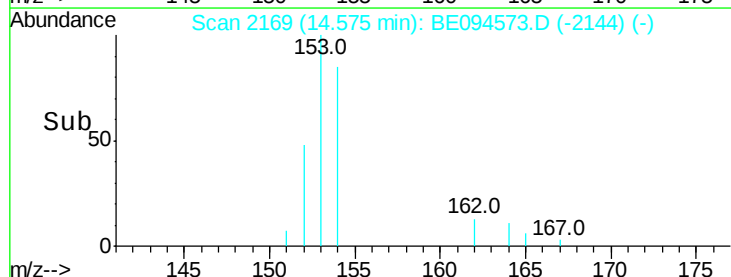
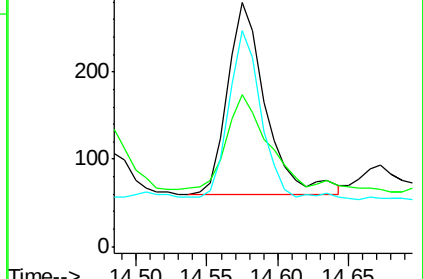
154 88.9 72.0 108.0

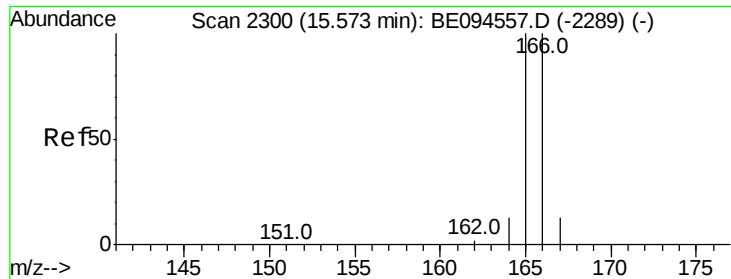


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.035 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampled :

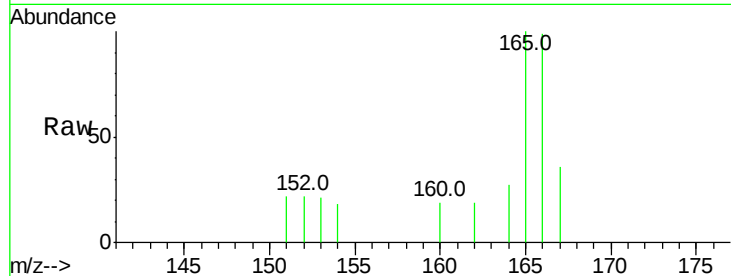
Tot Ion:166 Resp: 543

Ion Ratio Lower Upper

166 100

165 101.5 73.4 110.2

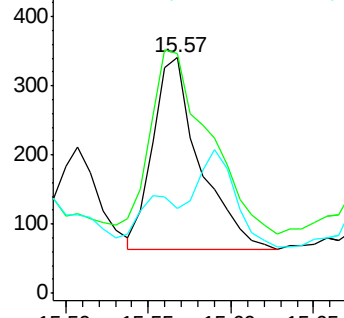
167 36.1 14.6 22.0#



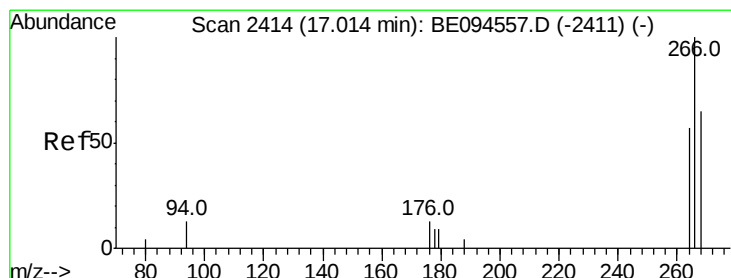
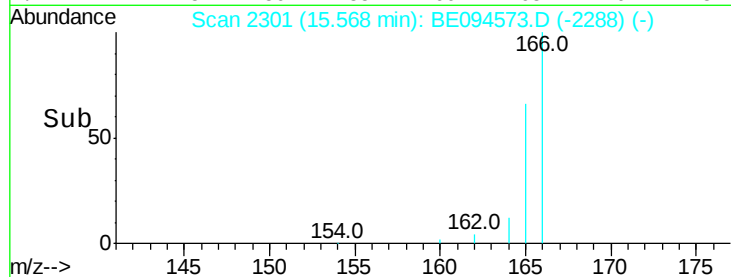
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.030 ng/ul

RT: 17.08 min Scan# 2420

Delta R.T. 0.07 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

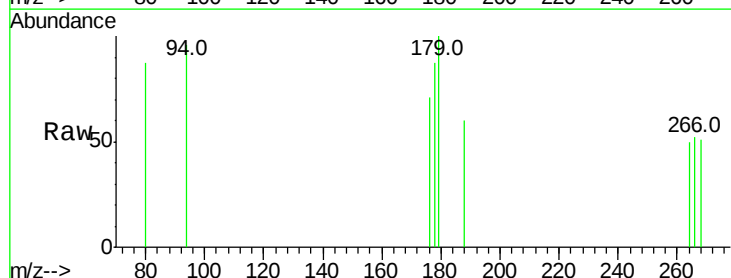
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 57.1 47.9 71.9

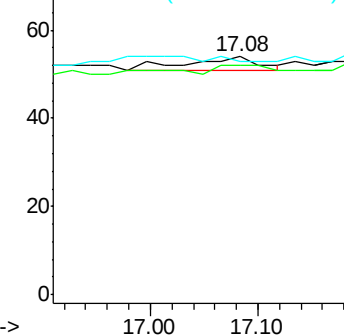
268 0.0 49.8 74.8#



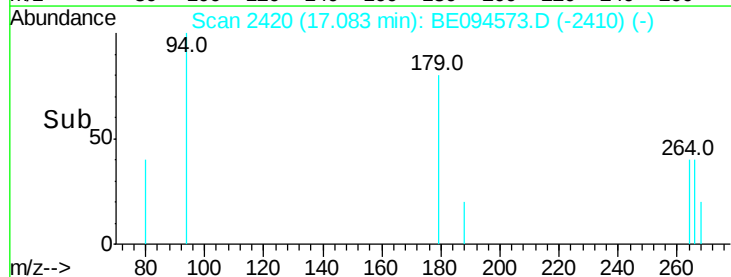
Abundance Ion 266.00 (265.70 to 266.70): E

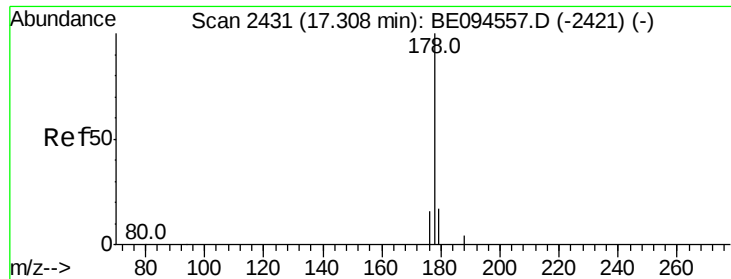
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.712 ng/ul

RT: 17.29 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

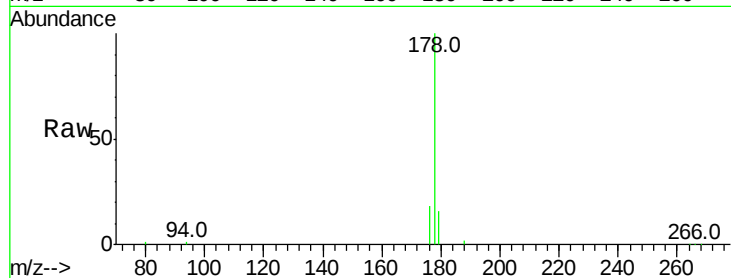
Tot Ion:178 Resp: 17512

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

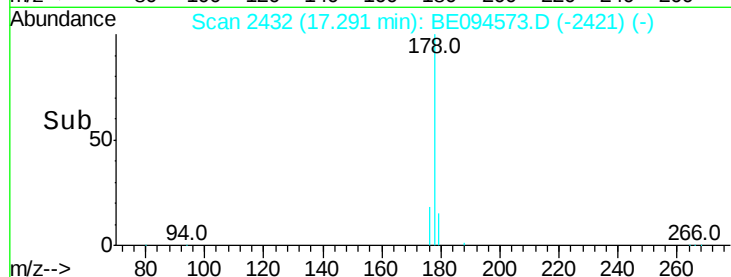
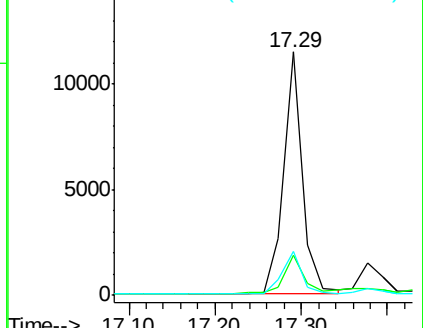
176 18.2 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.114 ng/ul

RT: 17.38 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

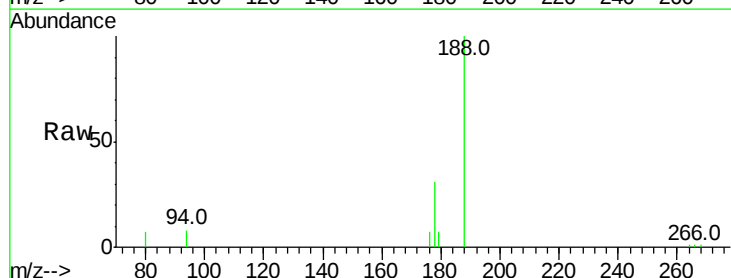
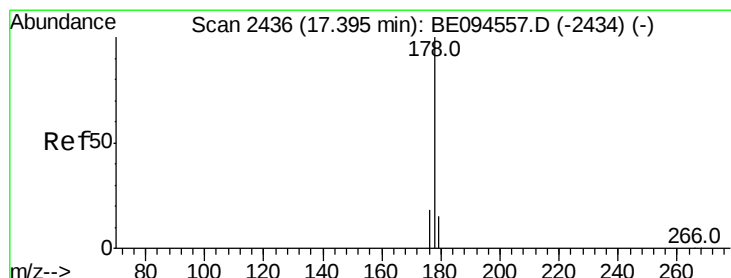
Tgt Ion:178 Resp: 2765

Ion Ratio Lower Upper

178 100

179 22.5 18.1 27.1

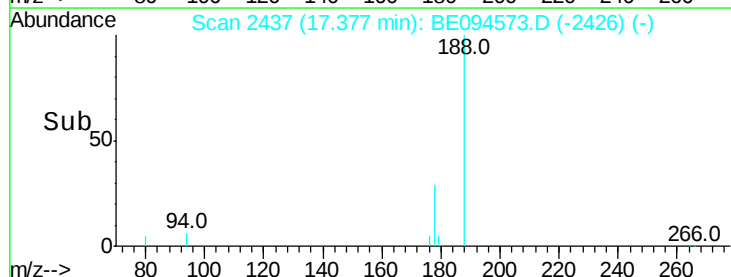
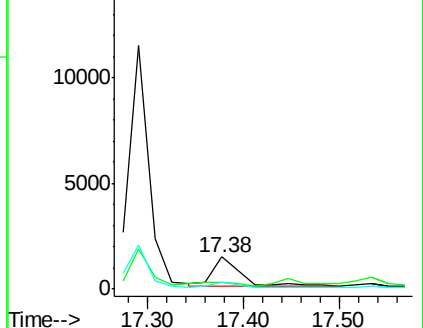
176 22.5 14.7 22.1#

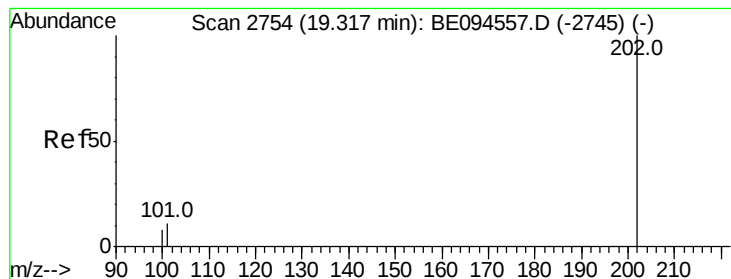


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.953 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

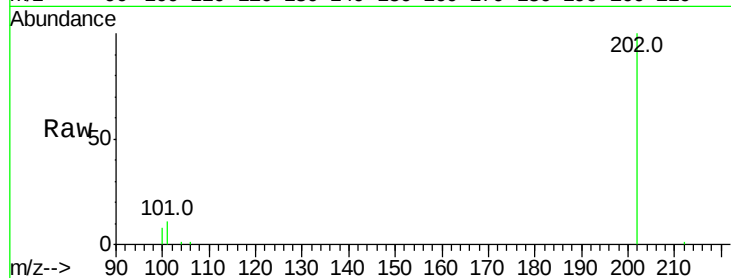
Tot Ion:202 Resp: 27119

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

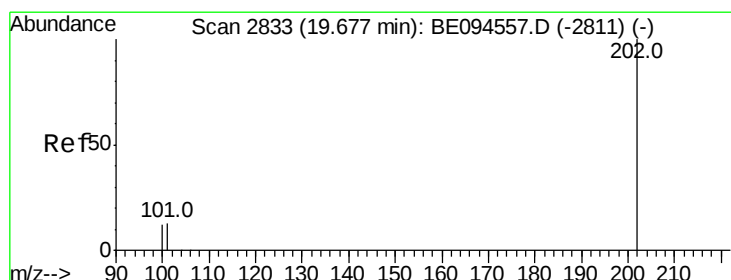
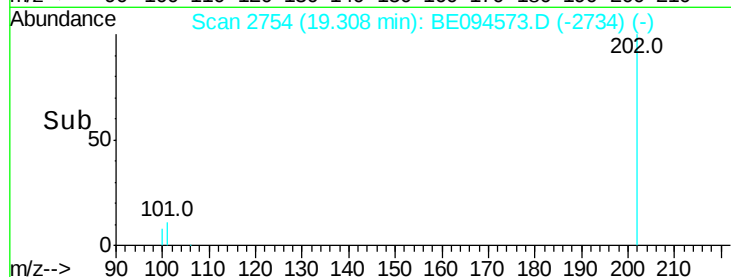
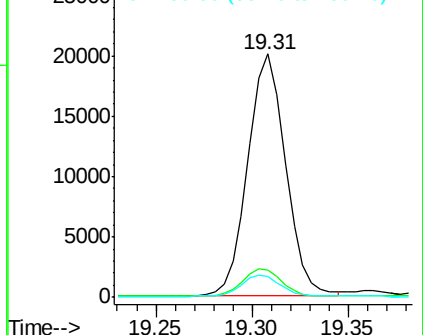
100 8.4 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 0.947 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

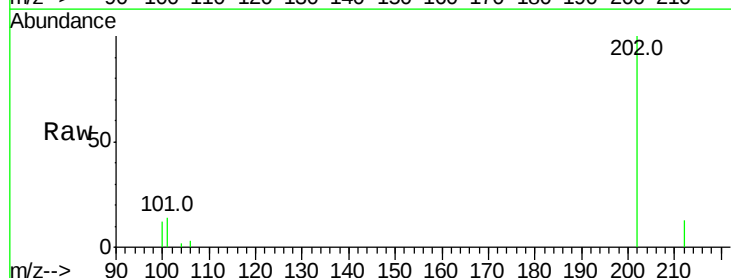
Tgt Ion:202 Resp: 27001

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

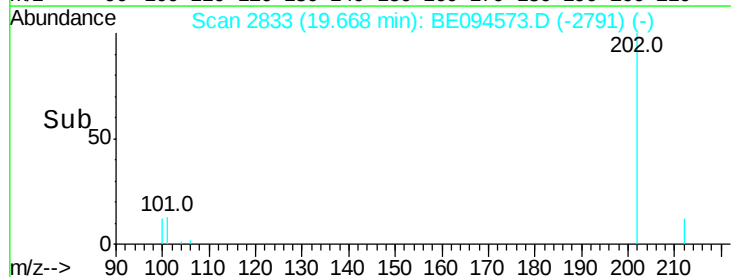
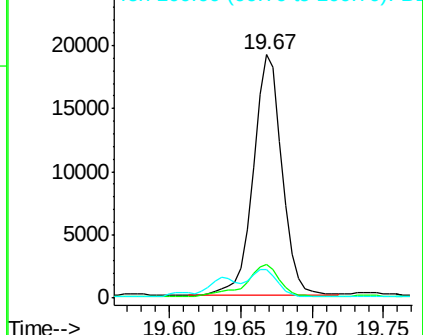
100 12.0 15.6 23.4#

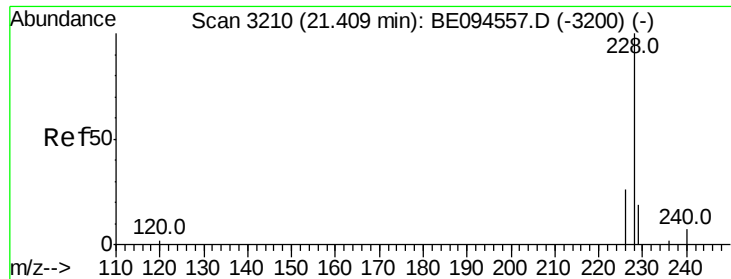


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.500 ng/ul

RT: 21.40 min Scan# 3211

Delta R.T. -0.00 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

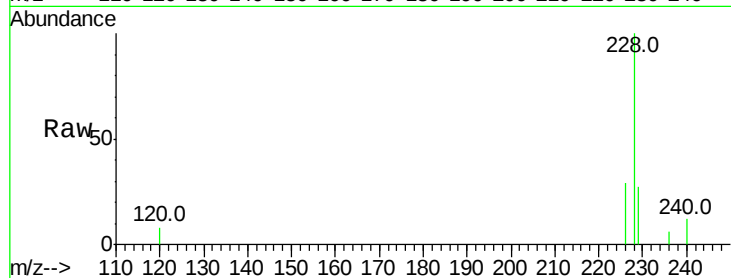
Tot Ion:228 Resp: 13169

Ion Ratio Lower Upper

228 100

229 26.8 22.8 34.2

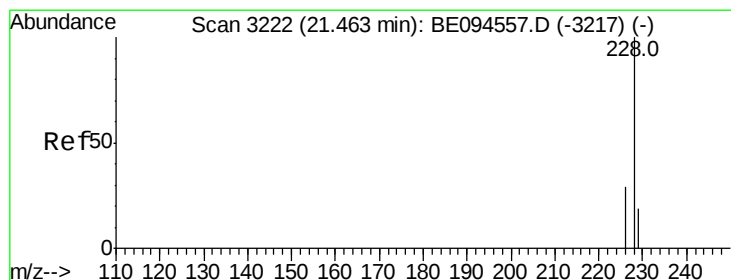
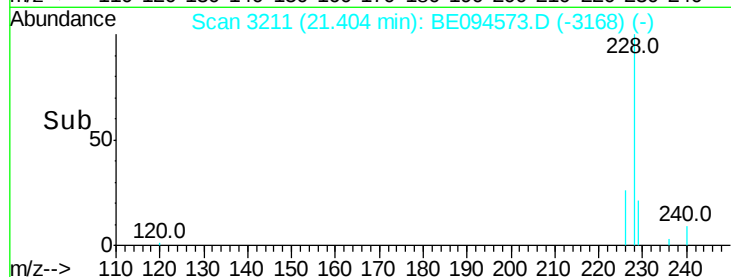
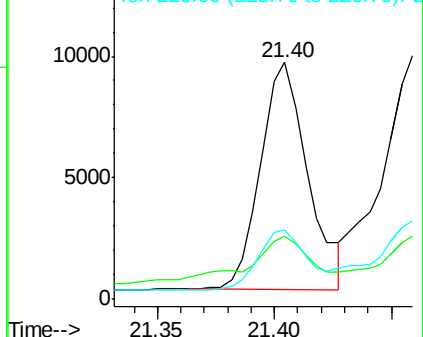
226 29.1 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.584 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

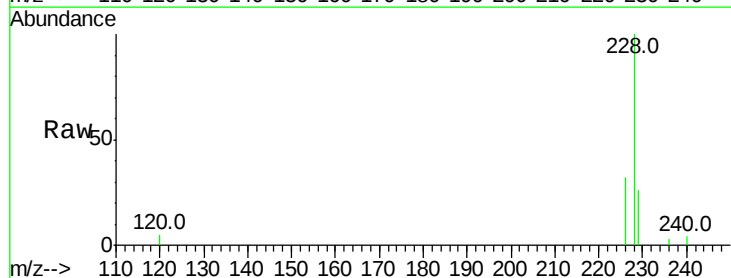
Tgt Ion:228 Resp: 15916

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

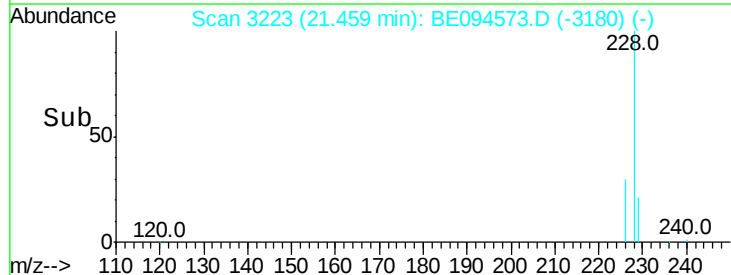
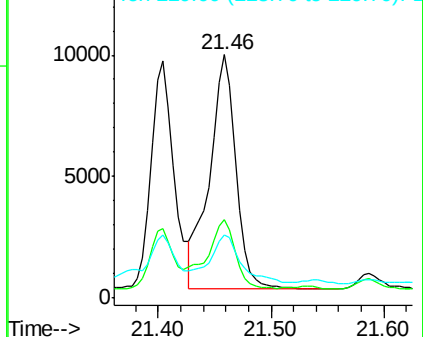
229 26.2 17.7 26.5

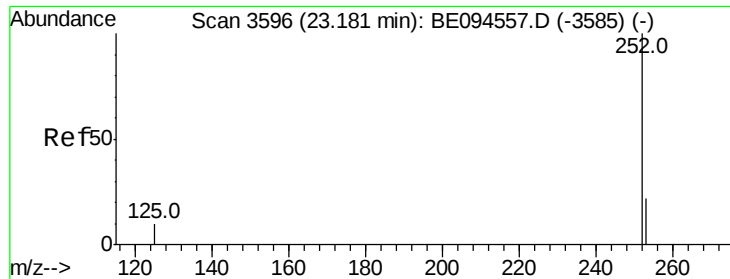


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.846 ng/ul

RT: 23.17 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

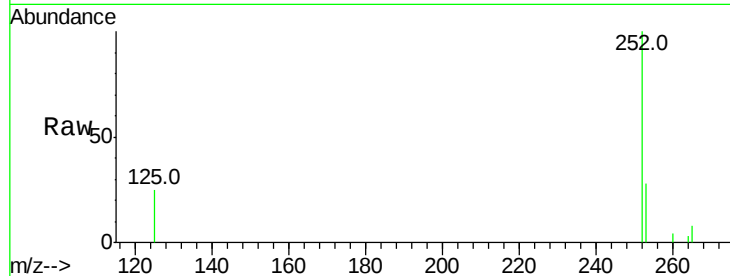
Tot Ion:252 Resp: 23362

Ion Ratio Lower Upper

252 100

253 28.2 0.0 64.2

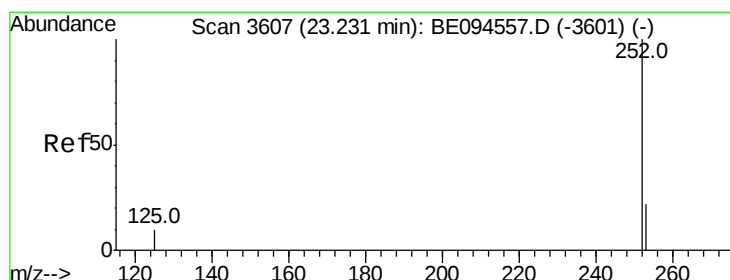
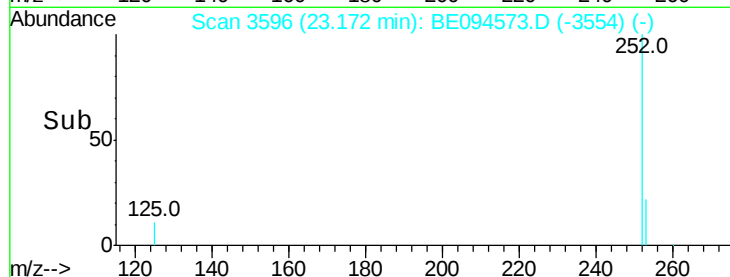
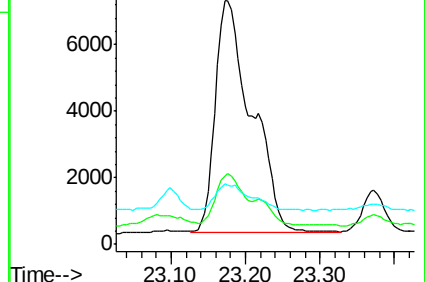
125 24.6 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.787 ng/ul

RT: 23.17 min Scan# 3596

Delta R.T. -0.06 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

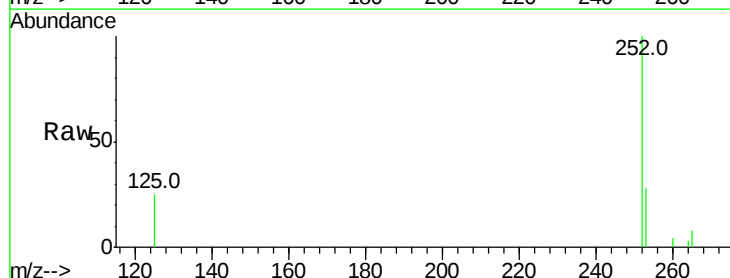
Tgt Ion:252 Resp: 23306

Ion Ratio Lower Upper

252 100

253 28.2 24.5 36.7

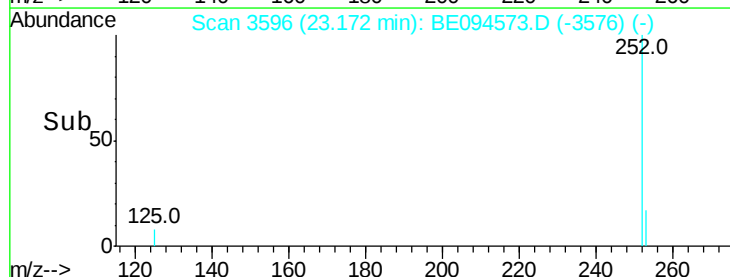
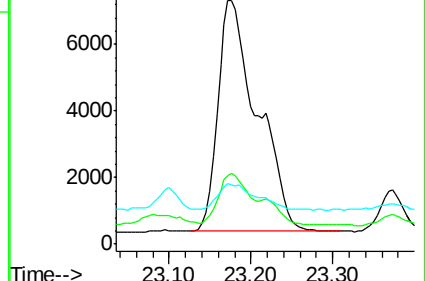
125 24.6 13.7 20.5#

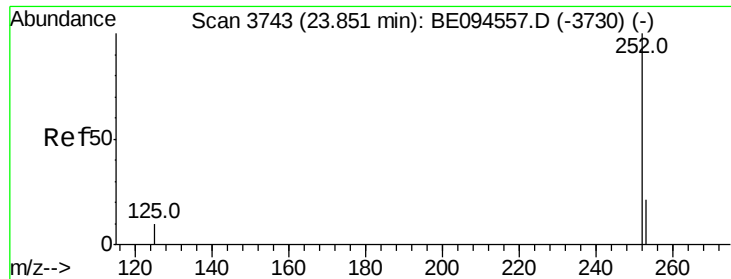


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.449 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

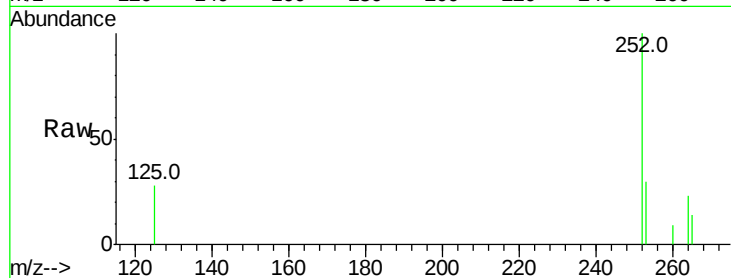
Tot Ion:252 Resp: 12392

Ion Ratio Lower Upper

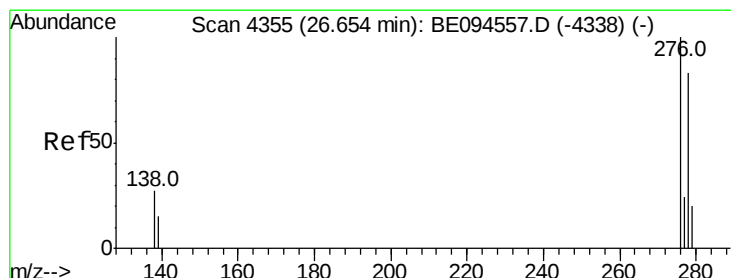
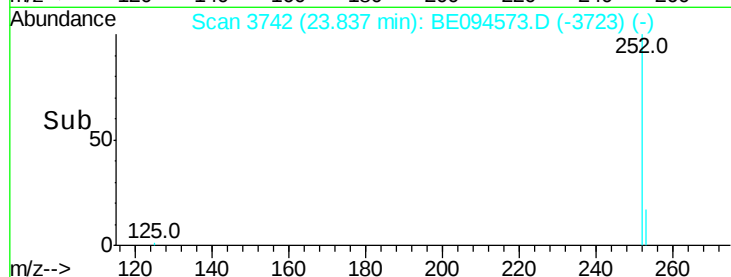
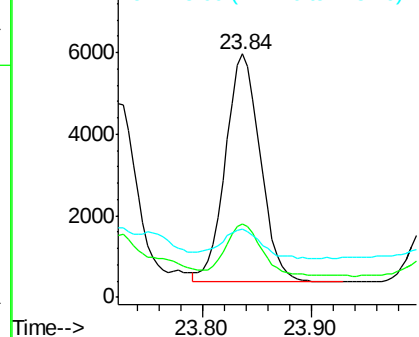
252 100

253 30.0 28.5 42.7

125 27.8 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

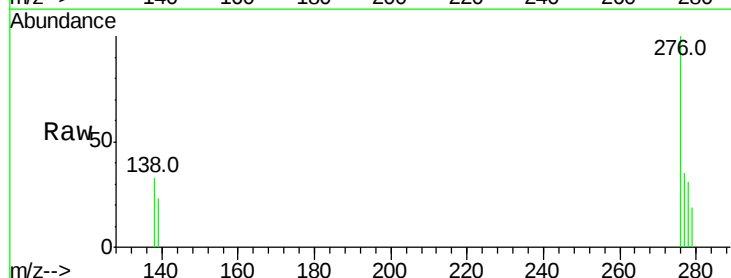
Tgt Ion:276 Resp: 7997

Ion Ratio Lower Upper

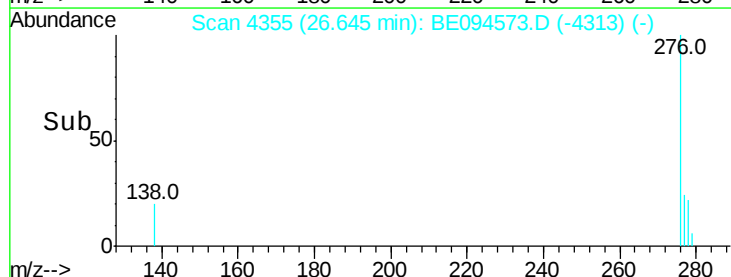
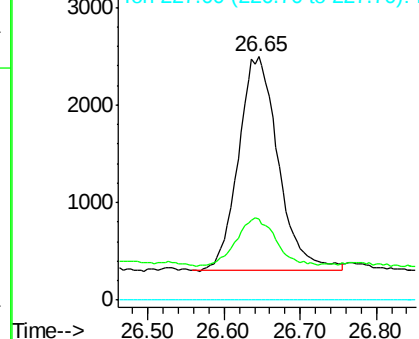
276 100

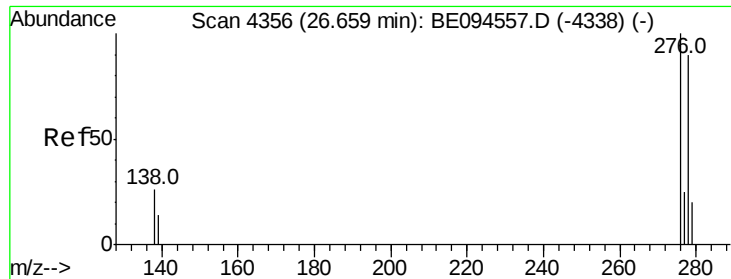
138 22.9 28.0 42.0#

227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.090 ng/ul

RT: 26.64 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampled :

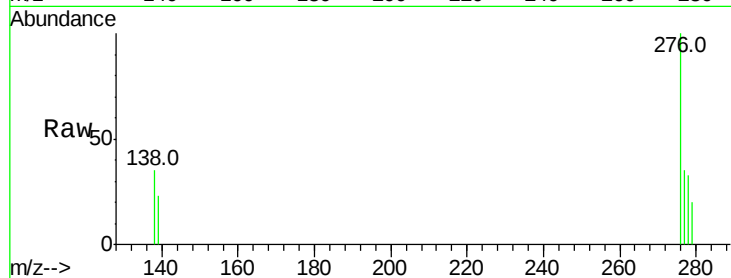
Tot Ion:278 Resp: 2169

Ion Ratio Lower Upper

278 100

139 69.4 17.4 26.0#

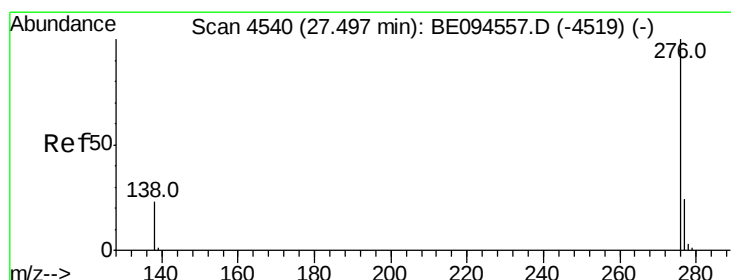
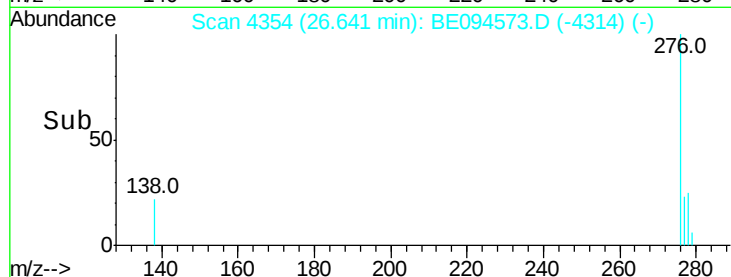
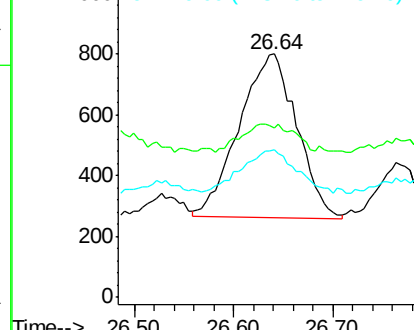
279 60.8 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.305 ng/ul

RT: 27.48 min Scan# 4539

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

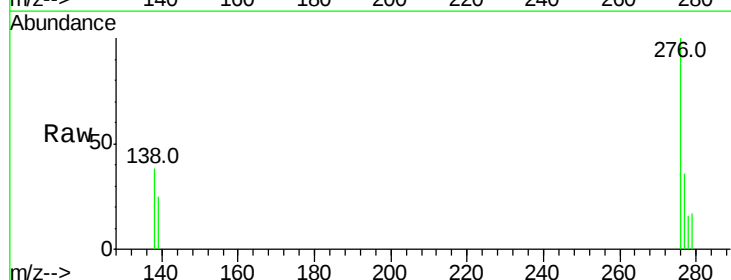
Tgt Ion:276 Resp: 6991

Ion Ratio Lower Upper

276 100

138 38.4 21.8 32.8#

277 36.2 20.5 30.7#



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

