

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112817\
 Data File : BE094877.D
 Acq On : 28 Nov 2017 10:49
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.497

Quant Time: Nov 29 01:03:59 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 23:11:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	681	0.40	ng/ul	0.03
2) Naphthalene-d8	10.71	136	4750	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.51	164	3297	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8620	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9330	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8954	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	3274	0.43	ng/ul	0.01
14) Fluoranthene-d10	19.29	212	10808	0.36	ng/ul	0.00

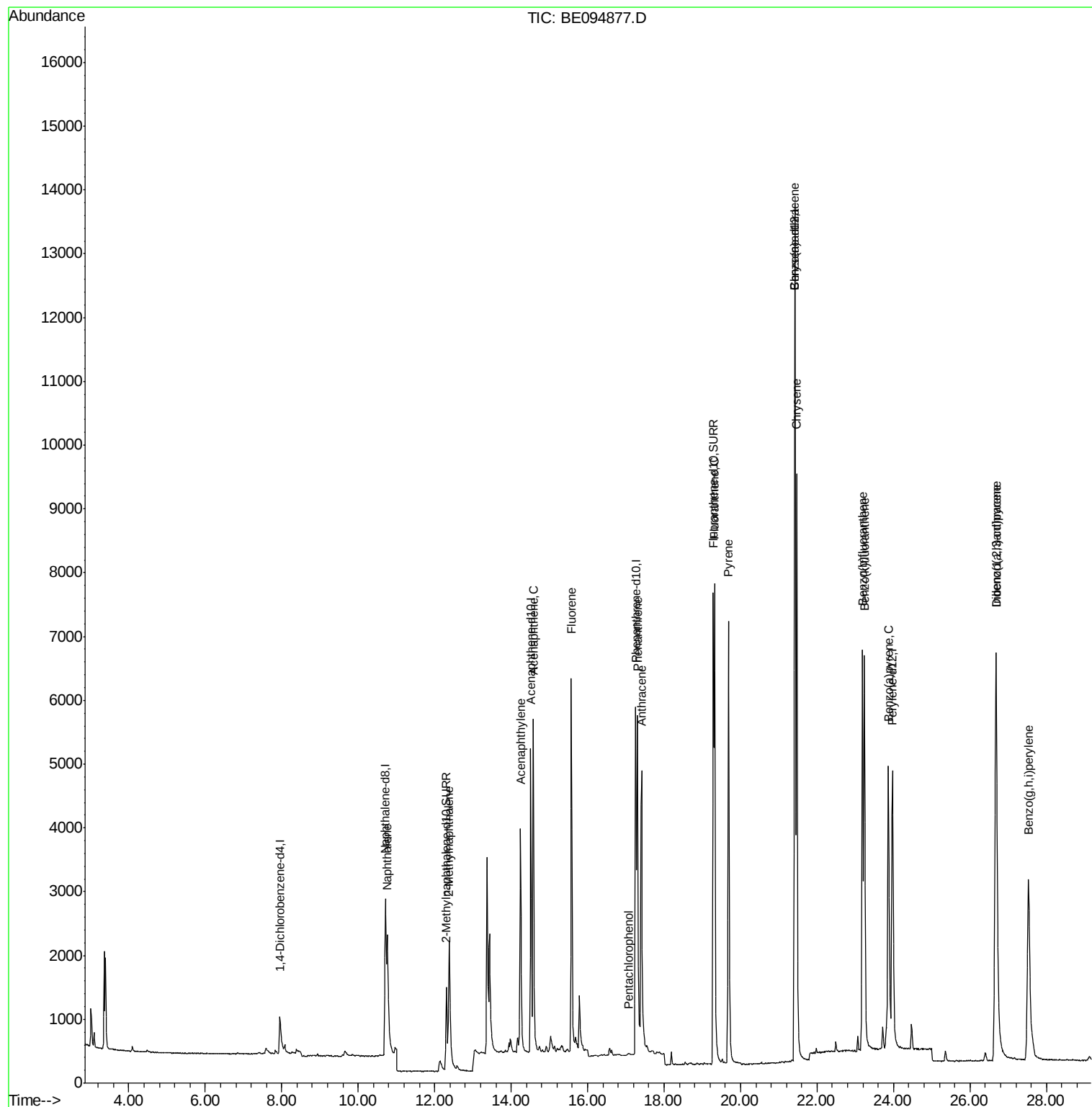
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	4271	0.38	ng/ul#	95
5) 2-Methylnaphthalene	12.38	142	3222	0.41	ng/ul	98
7) Acenaphthylene	14.24	152	5512	0.37	ng/ul	98
8) Acenaphthene	14.58	153	4023	0.38	ng/ul	98
9) Fluorene	15.57	166	4940	0.38	ng/ul	92
11) Pentachlorophenol	17.07	266	82	0.18	ng/ul	88
12) Phenanthrene	17.31	178	8829	0.38	ng/ul#	94
13) Anthracene	17.41	178	8569	0.36	ng/ul#	94
15) Fluoranthene	19.32	202	10941	0.36	ng/ul	84
17) Pyrene	19.69	202	11566	0.40	ng/ul#	77
18) Benzo(a)anthracene	21.41	228	10758	0.38	ng/ul#	86
19) Chrysene	21.47	228	11221	0.40	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	10269	0.38	ng/ul	84
22) Benzo(k)fluoranthene	23.24	252	10992	0.39	ng/ul#	85
23) Benzo(a)pyrene	23.86	252	10362	0.39	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.69	276	11255	0.39	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.68	278	9231	0.38	ng/ul#	88
26) Benzo(g,h,i)perylene	27.53	276	9660	0.40	ng/ul#	93

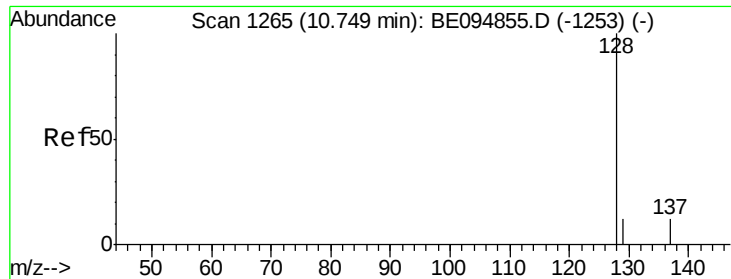
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

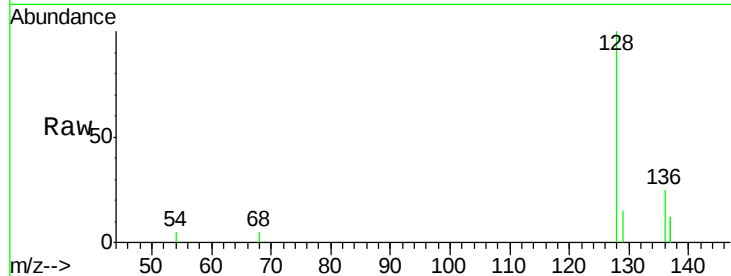
Tot Ion:128 Resp: 4271

Ion Ratio Lower Upper

128 100

129 14.6 11.3 16.9

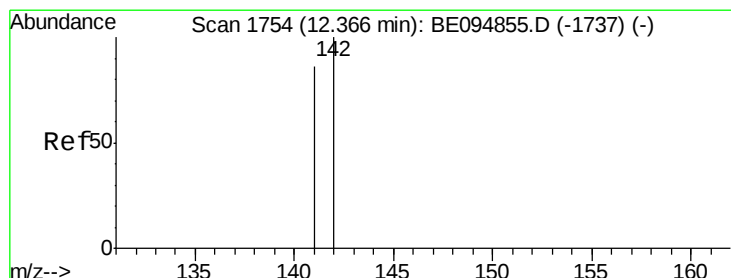
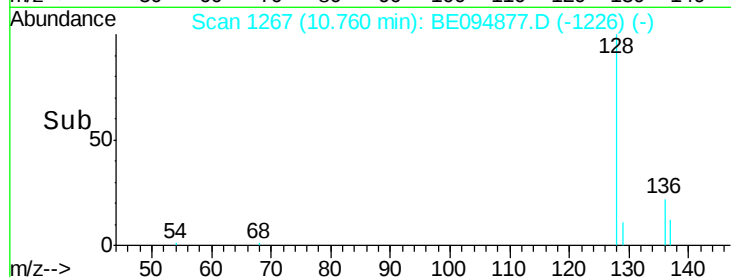
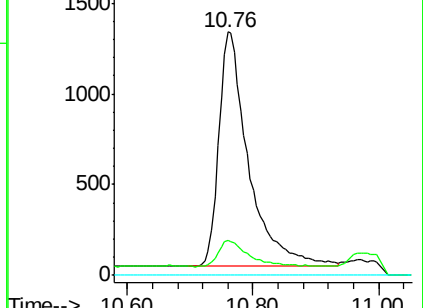
127 0.0 4.0 6.0#



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: 0.41 ng/ul

RT: 12.38 min Scan# 1760

Delta R.T. 0.02 min

Lab File: BE094877.D

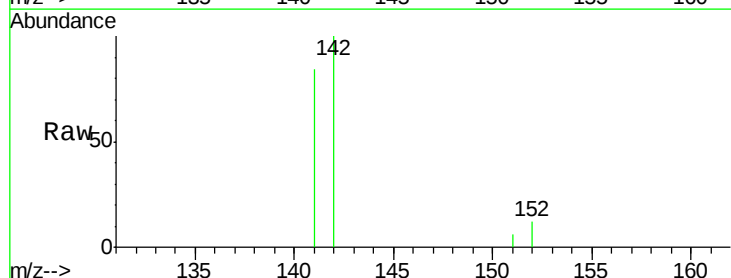
Acq: 28 Nov 2017 10:49

Tgt Ion:142 Resp: 3222

Ion Ratio Lower Upper

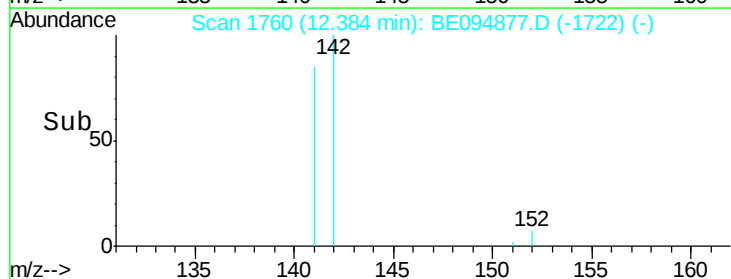
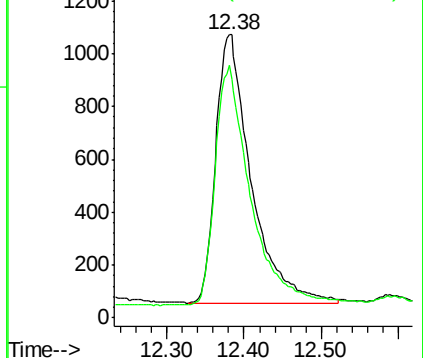
142 100

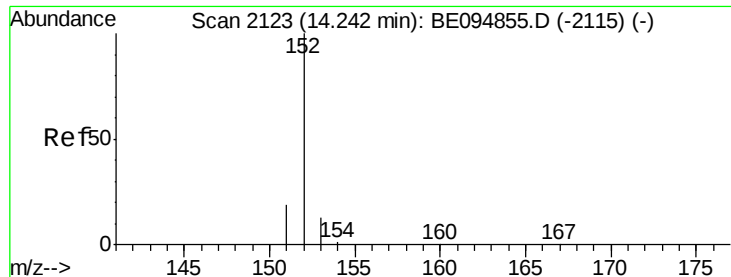
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.37 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

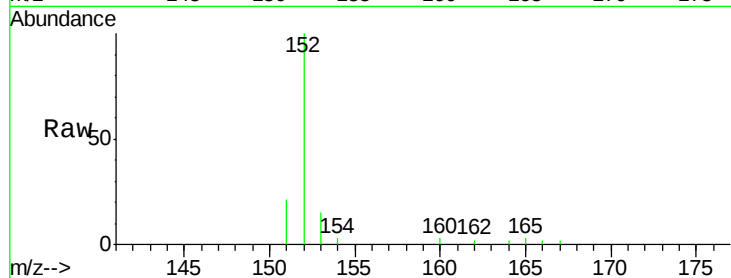
Tot Ion:152 Resp: 5512

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

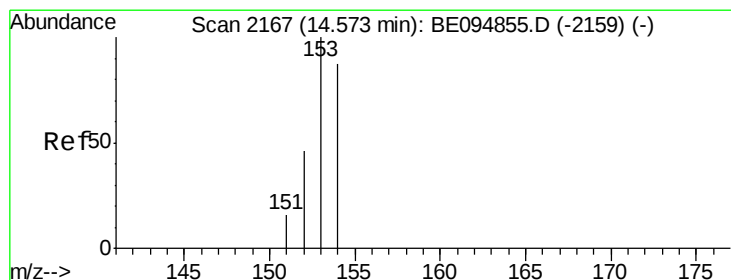
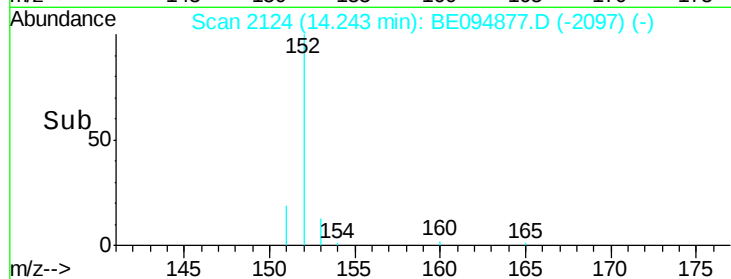
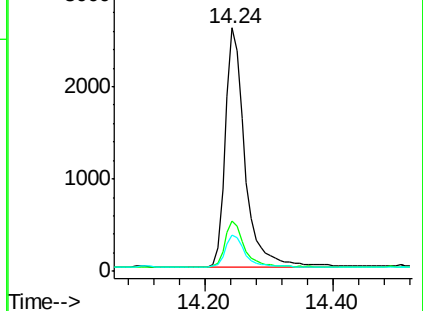
153 15.0 12.8 19.2



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: 0.38 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

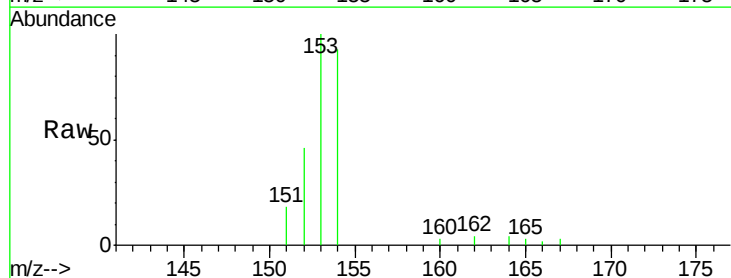
Tgt Ion:153 Resp: 4023

Ion Ratio Lower Upper

153 100

152 46.1 36.0 54.0

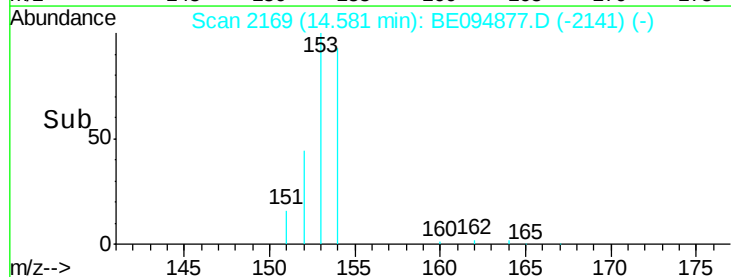
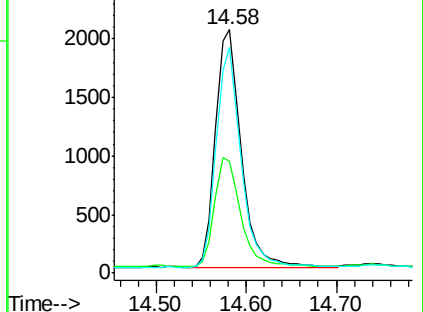
154 92.7 72.0 108.0

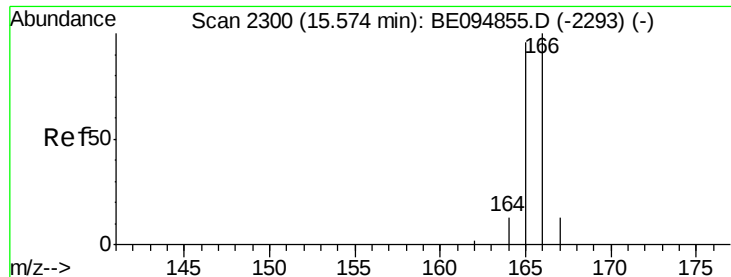


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.38 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

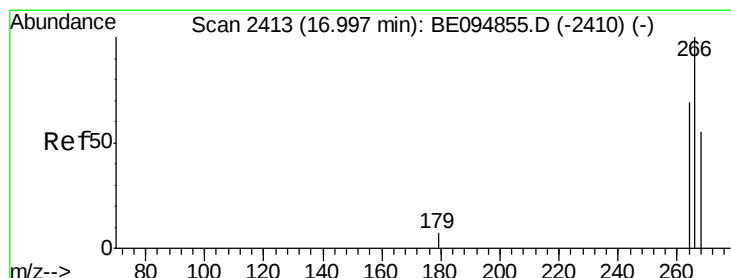
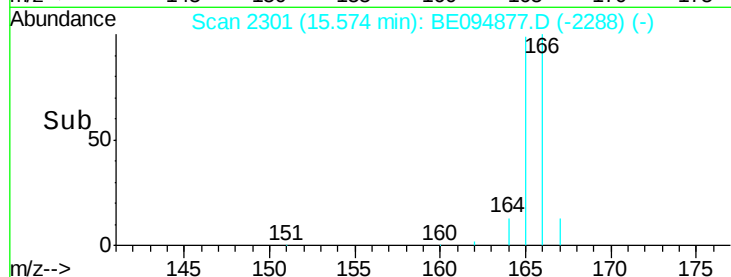
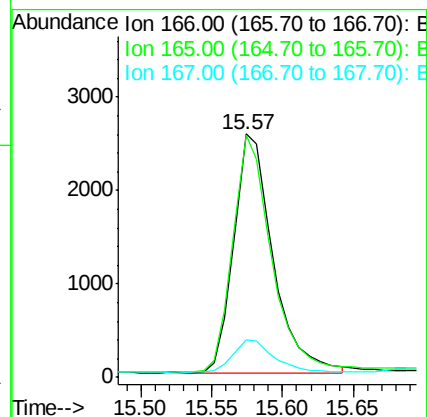
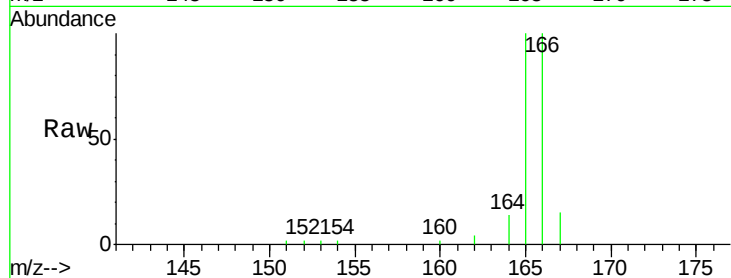
Tot Ion:166 Resp: 4940

Ion Ratio Lower Upper

166 100

165 99.7 73.4 110.2

167 15.3 14.6 22.0



#11

Pentachlorophenol

Concen: 0.18 ng/ul

RT: 17.07 min Scan# 2418

Delta R.T. 0.07 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

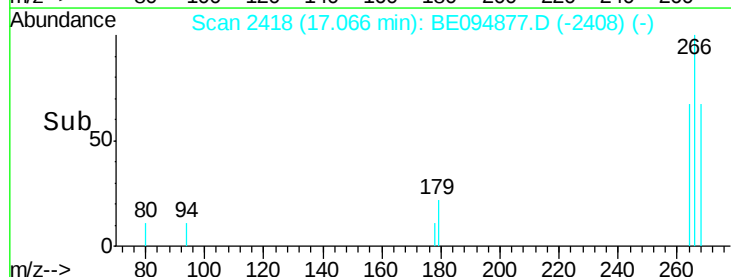
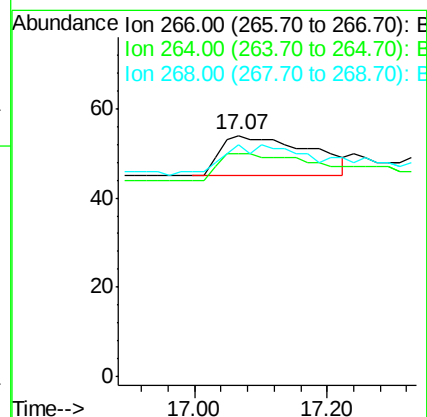
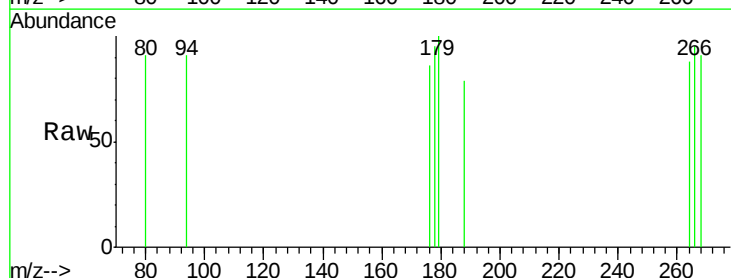
Tgt Ion:266 Resp: 82

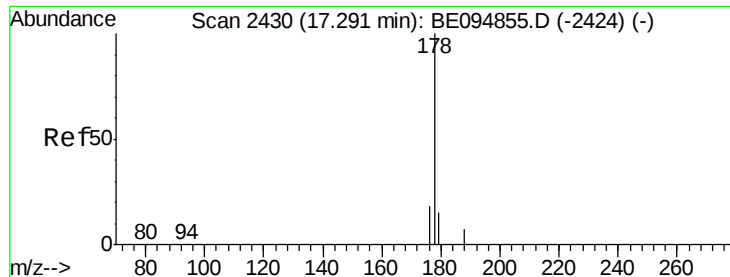
Ion Ratio Lower Upper

266 100

264 65.9 47.9 71.9

268 74.4 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

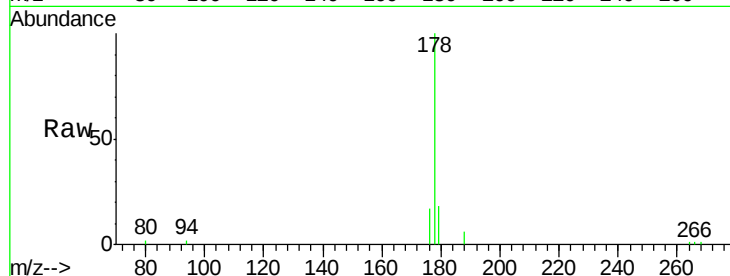
Tot Ion:178 Resp: 8829

Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

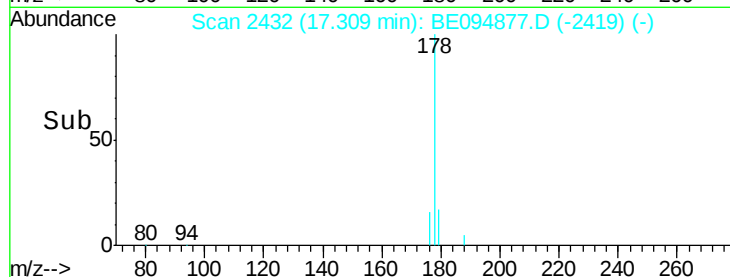
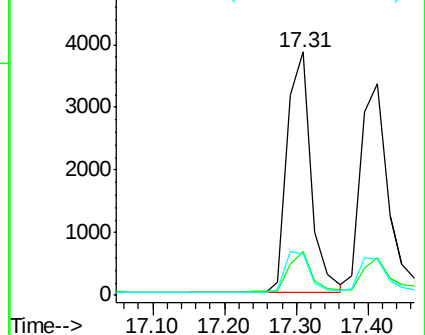
176 17.2 13.6 20.4



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: 0.36 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.02 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

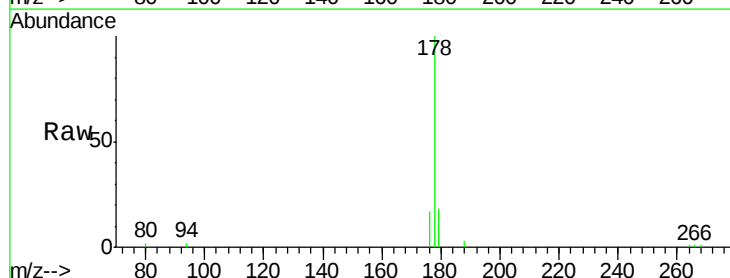
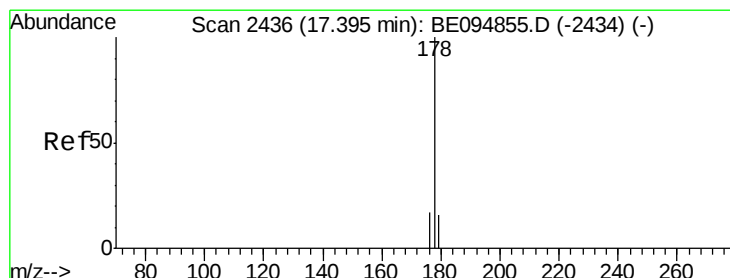
Tgt Ion:178 Resp: 8569

Ion Ratio Lower Upper

178 100

179 18.0 18.1 27.1#

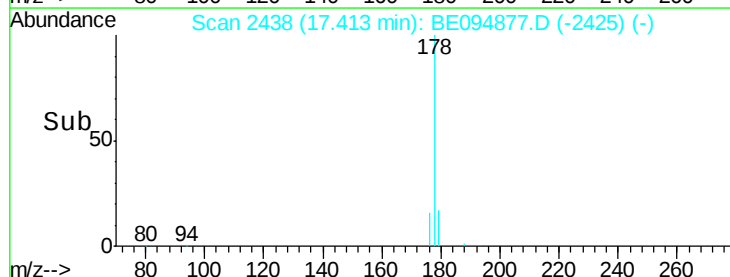
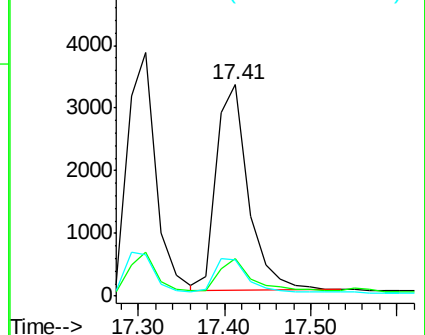
176 17.4 14.7 22.1

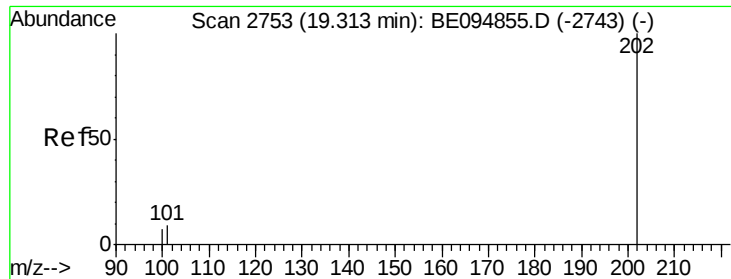


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.36 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

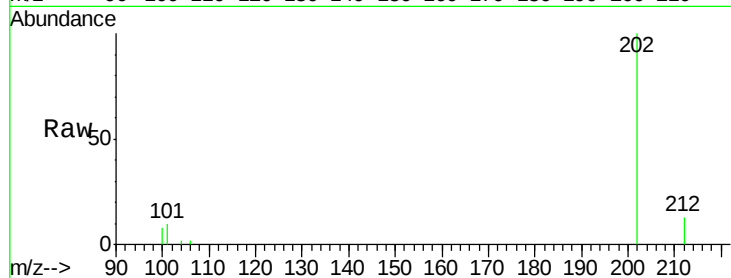
Tot Ion:202 Resp: 10941

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

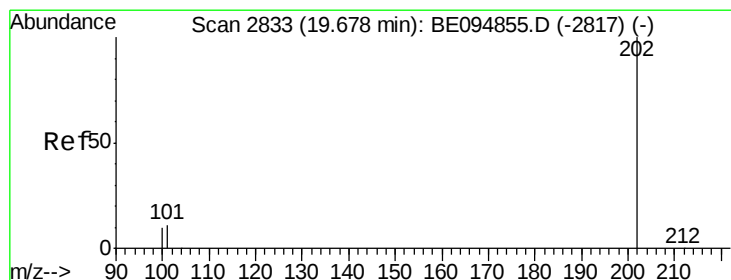
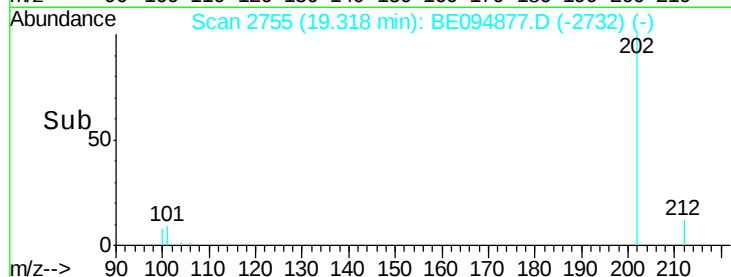
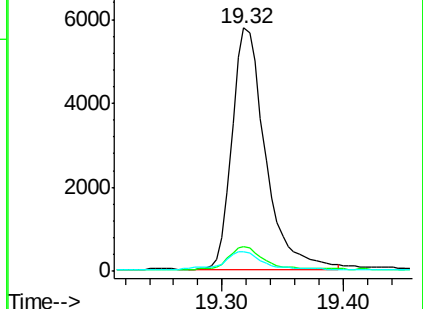
100 8.3 0.0 39.5



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: 0.40 ng/ul

RT: 19.69 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

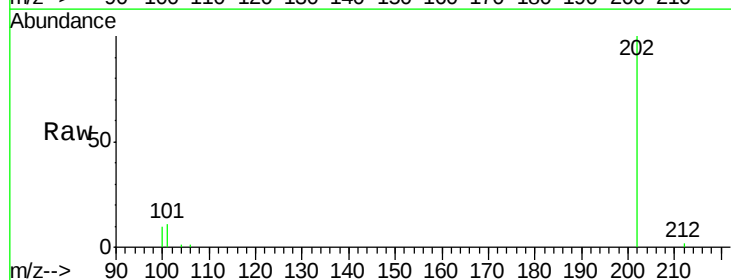
Tgt Ion:202 Resp: 11566

Ion Ratio Lower Upper

202 100

101 11.3 18.2 27.4#

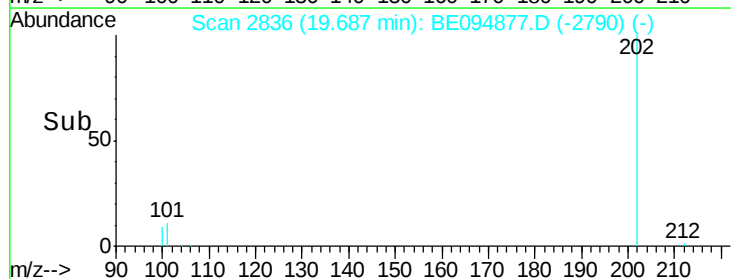
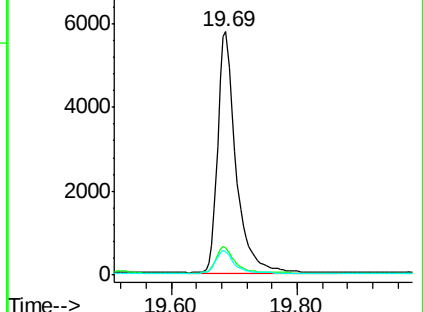
100 9.5 15.6 23.4#

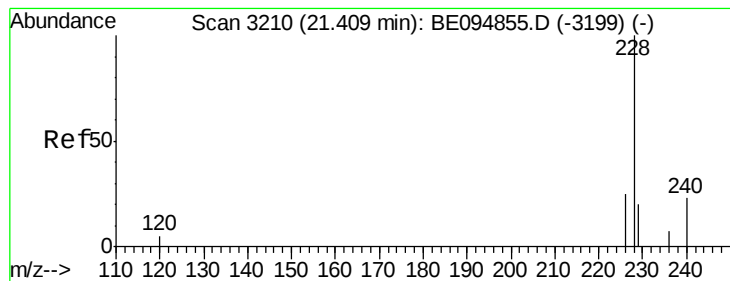


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. 0.00 min

Lab File: BE094877.D

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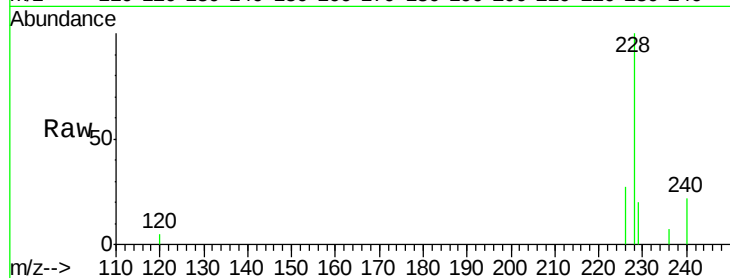
Tot Ion:228 Resp: 10758

Ion Ratio Lower Upper

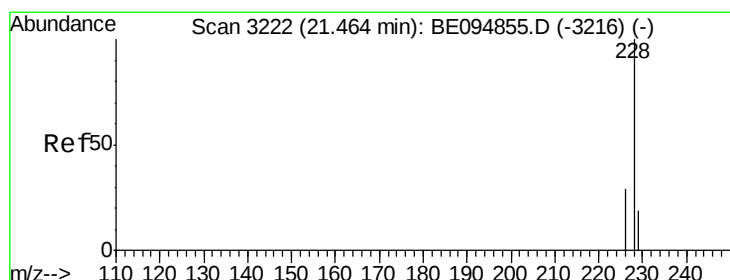
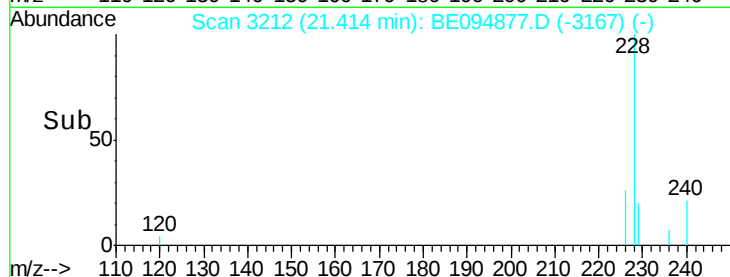
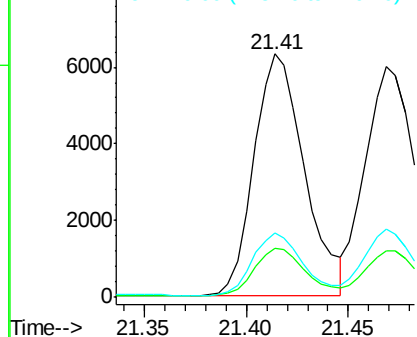
228 100

229 20.2 22.8 34.2#

226 26.6 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: 0.40 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

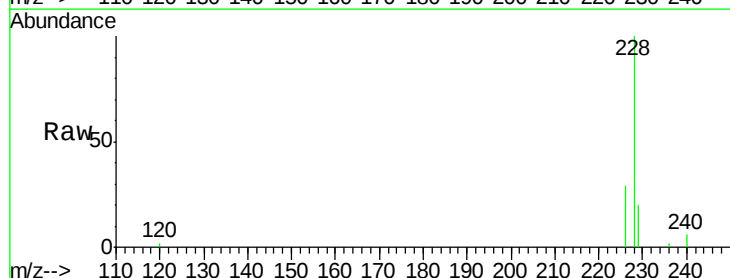
Tgt Ion:228 Resp: 11221

Ion Ratio Lower Upper

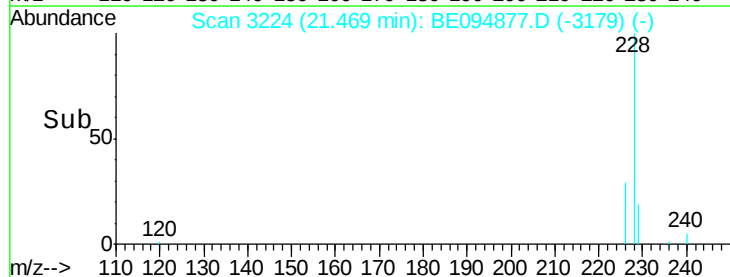
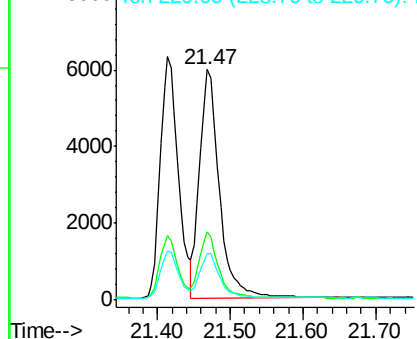
228 100

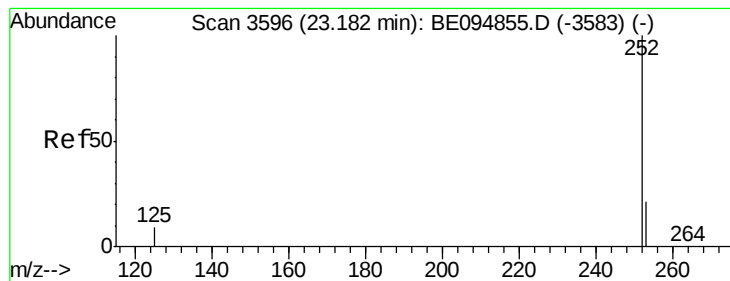
226 29.4 23.4 35.0

229 20.1 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: 0.38 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

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SSTD0.497

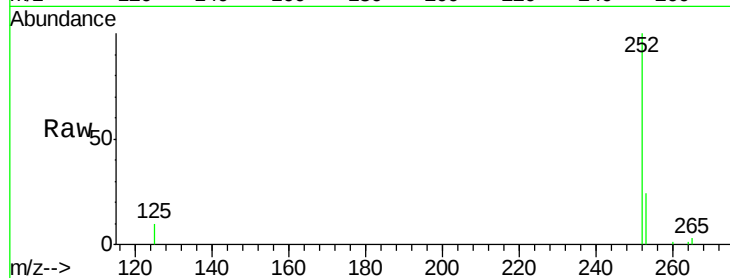
Tot Ion:252 Resp: 10269

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

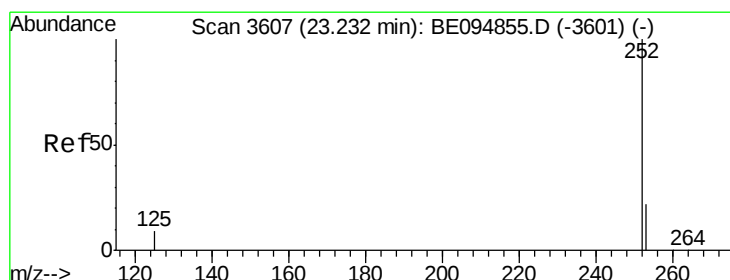
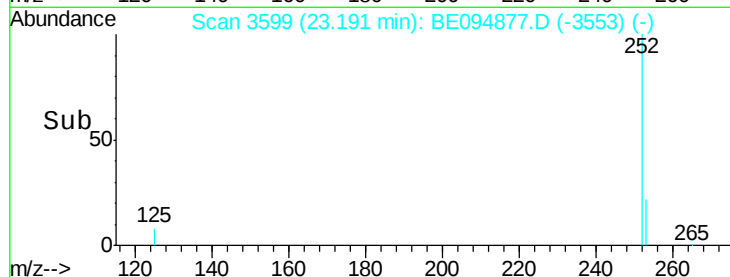
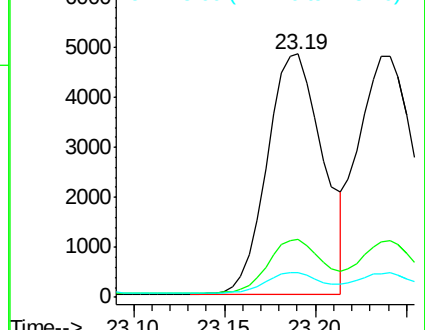
125 10.2 0.0 35.0



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: 0.39 ng/ul

RT: 23.24 min Scan# 3609

Delta R.T. 0.00 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

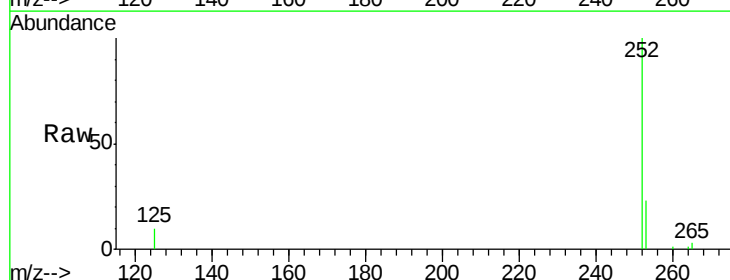
Tgt Ion:252 Resp: 10992

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

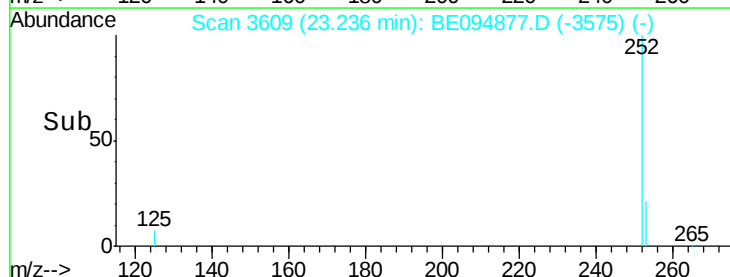
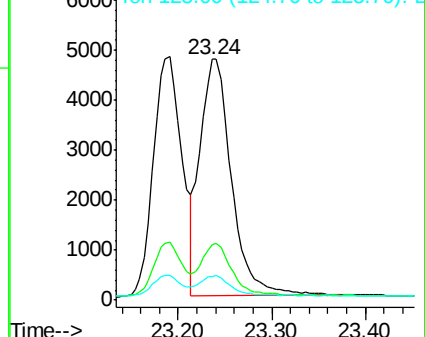
125 9.9 13.7 20.5#

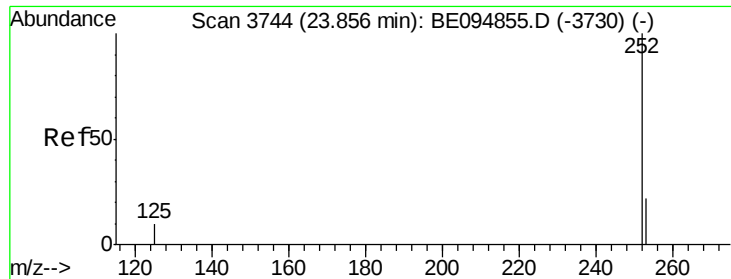


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.86 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

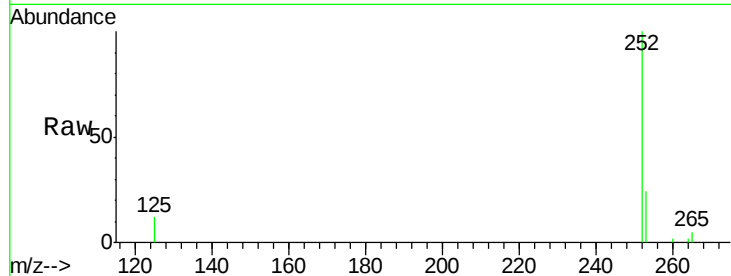
Tot Ion:252 Resp: 10362

Ion Ratio Lower Upper

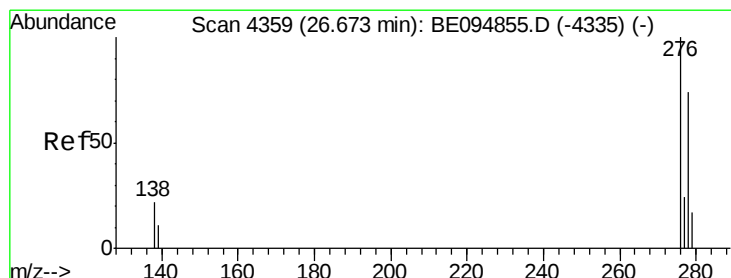
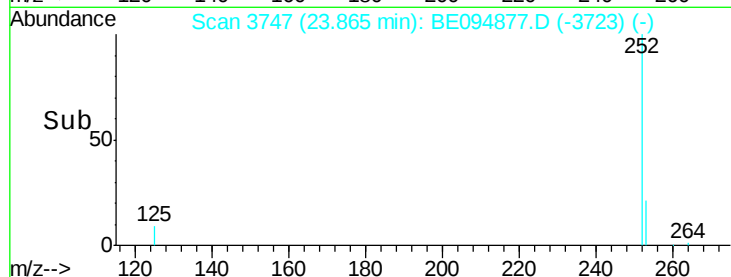
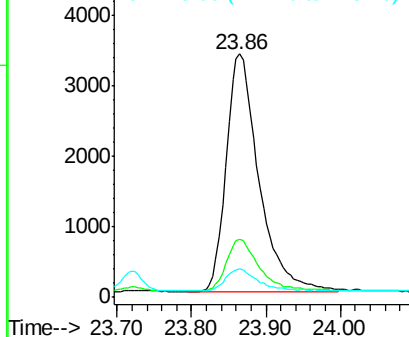
252 100

253 23.7 28.5 42.7#

125 11.9 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: 0.39 ng/ul

RT: 26.69 min Scan# 4363

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

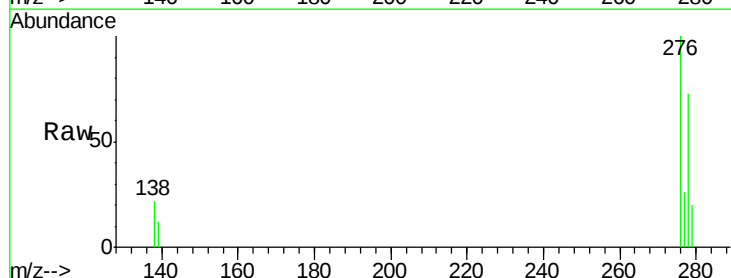
Tgt Ion:276 Resp: 11255

Ion Ratio Lower Upper

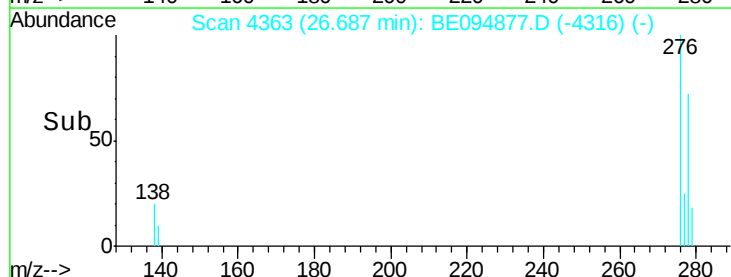
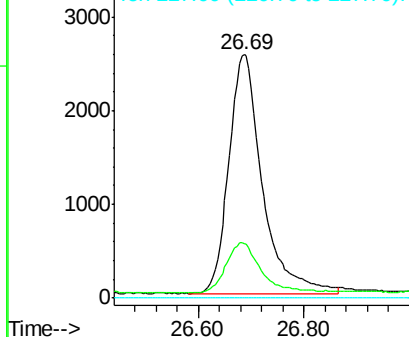
276 100

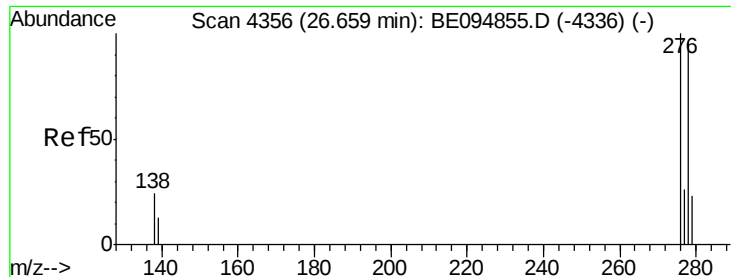
138 21.5 28.0 42.0#

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: 0.38 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. 0.02 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

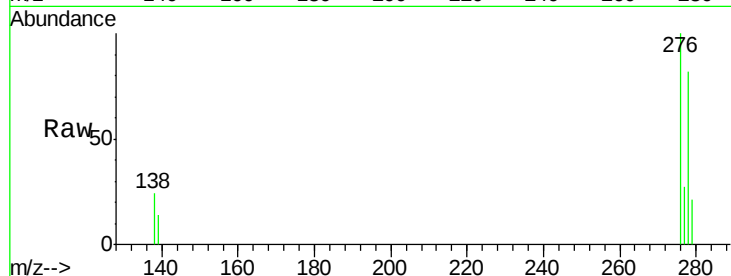
Tot Ion:278 Resp: 9231

Ion Ratio Lower Upper

278 100

139 16.8 17.4 26.0#

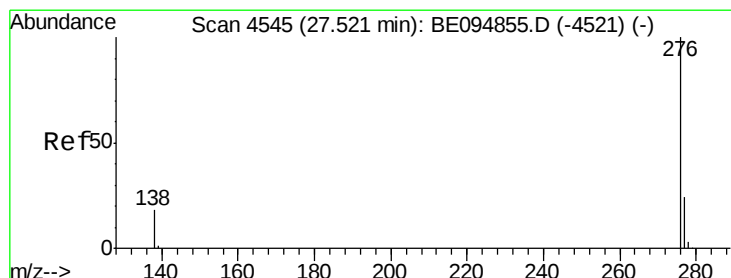
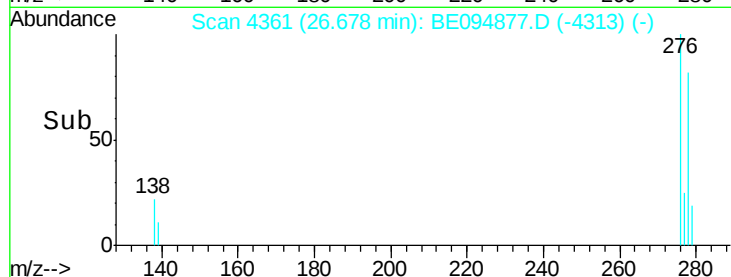
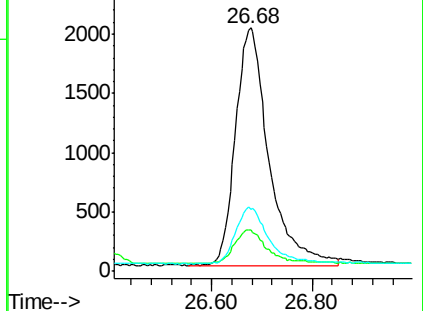
279 25.3 25.9 38.9#



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: 0.40 ng/ul

RT: 27.53 min Scan# 4548

Delta R.T. 0.01 min

Lab File: BE094877.D

Acq: 28 Nov 2017 10:49

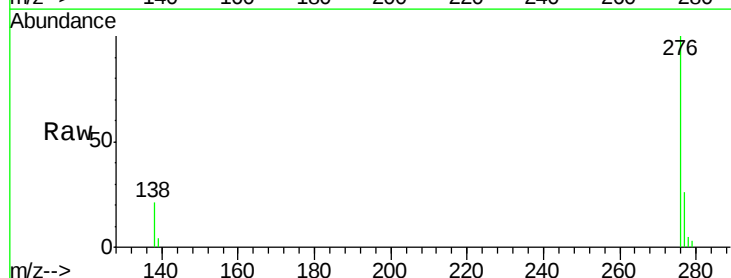
Tgt Ion:276 Resp: 9660

Ion Ratio Lower Upper

276 100

138 20.9 21.8 32.8#

277 26.0 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

