

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094759.D
 Acq On : 6 Nov 2017 18:39
 Operator : SJ/JU
 Sample : I6096-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-76(0-1)-102317

Quant Time: Nov 07 00:14:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 00:12:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1276	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7512	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4289	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9190	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	9145	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9476	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	375	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1033	0.04	ng/ul	0.00

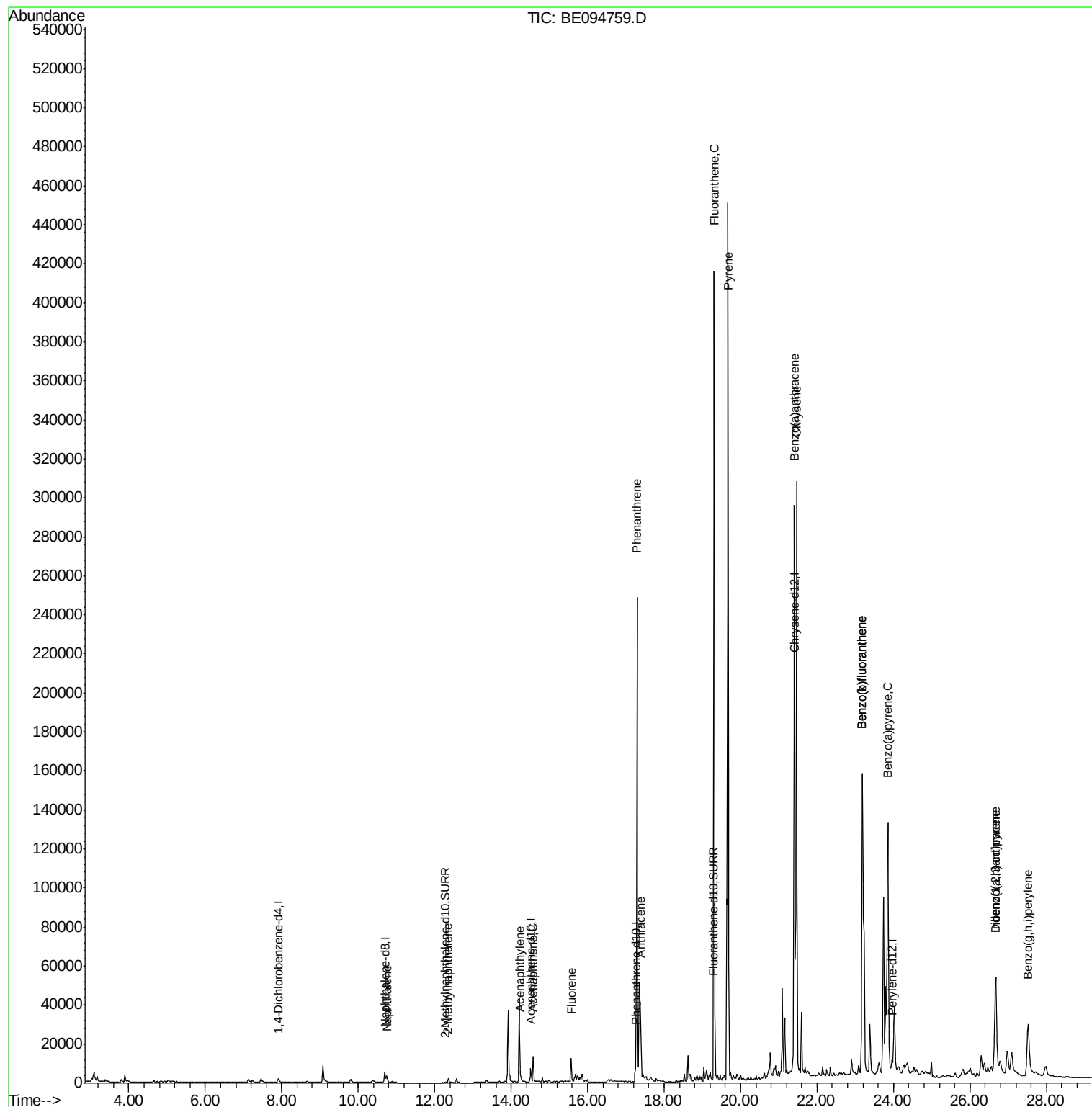
Target Compounds						Ovalue
3) Naphthalene	10.74	128	5826	0.32	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2584	0.20	ng/ul	97
7) Acenaphthylene	14.24	152	3880	0.20	ng/ul	97
8) Acenaphthene	14.57	153	8418	0.60	ng/ul	96
9) Fluorene	15.57	166	8407	0.54	ng/ul	95
12) Phenanthrene	17.29	178	278286	11.46	ng/ul#	91
13) Anthracene	17.38	178	51462	2.15	ng/ul#	91
15) Fluoranthene	19.31	202	480491	17.12	ng/ul	83
17) Pyrene	19.67	202	499661	17.67	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	279254	10.68	ng/ul#	88
19) Chrysene	21.46	228	303643	11.24	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	402737	15.11	ng/ul	84
22) Benzo(k)fluoranthene	23.18	252	402737	14.10	ng/ul#	86
23) Benzo(a)pyrene	23.85	252	216820	8.14	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.67	276	111218	4.03	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.66	278	29102	1.25	ng/ul	99
26) Benzo(a,h,i)perylene	27.52	276	83592	3.78	ng/ul	95

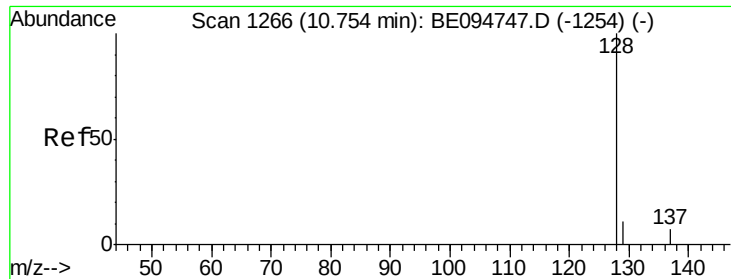
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.32 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

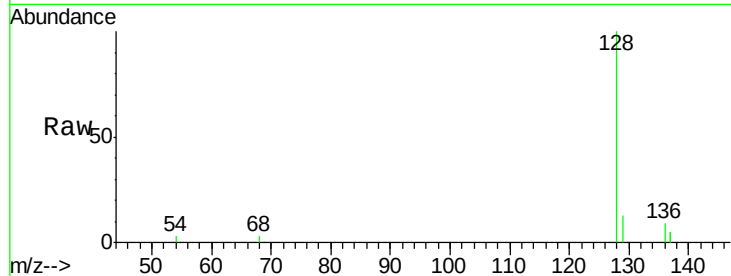
Tot Ion:128 Resp: 5826

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

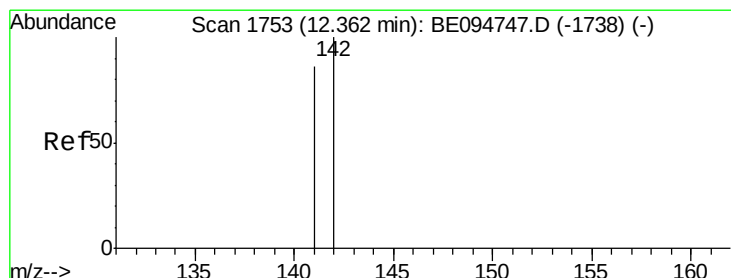
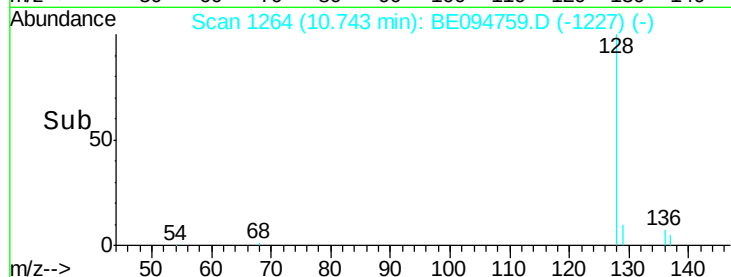
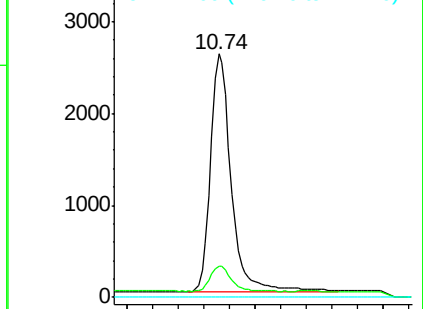
127 0.0 4.0 6.0#



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: 0.20 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094759.D

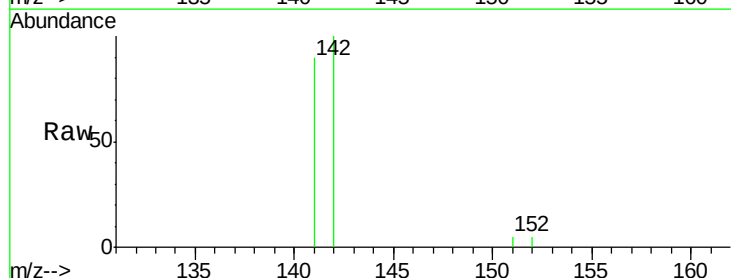
Acq: 6 Nov 2017 18:39

Tgt Ion:142 Resp: 2584

Ion Ratio Lower Upper

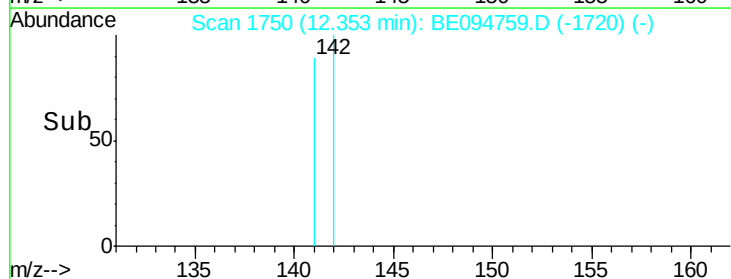
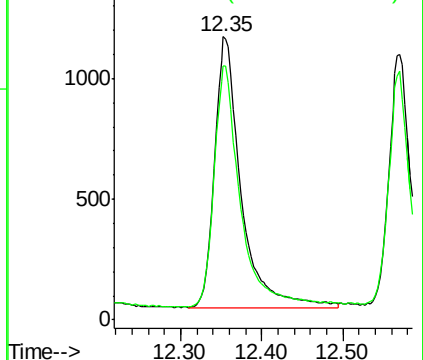
142 100

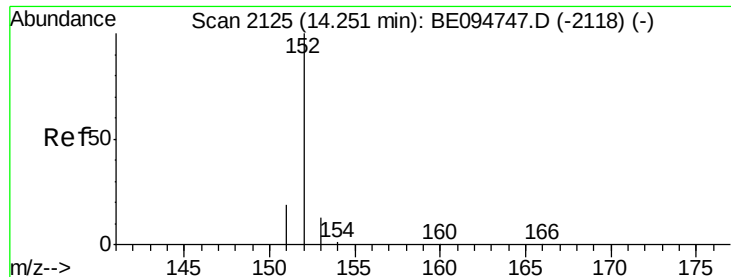
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

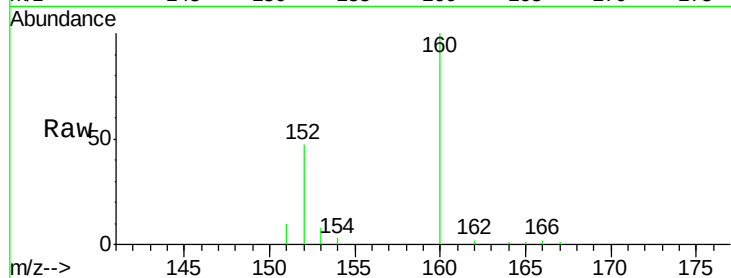
Tot Ion:152 Resp: 3880

Ion Ratio Lower Upper

152 100

151 22.4 17.1 25.7

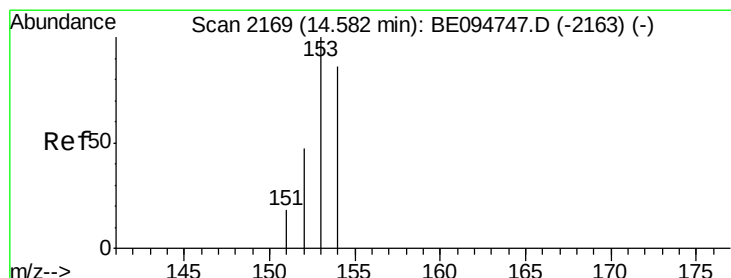
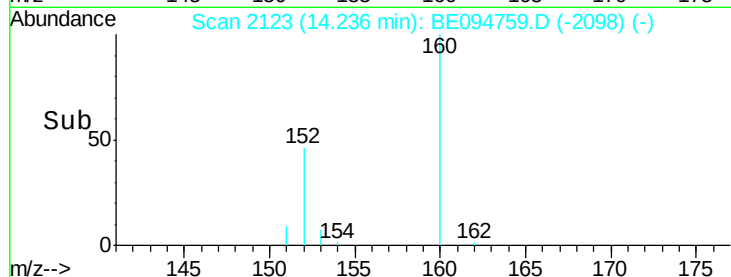
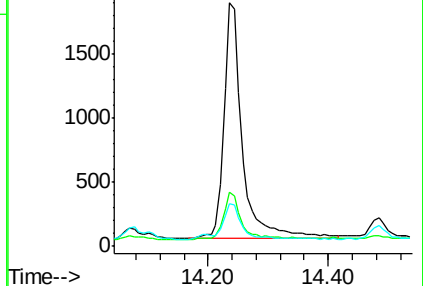
153 17.6 12.8 19.2



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: 0.60 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

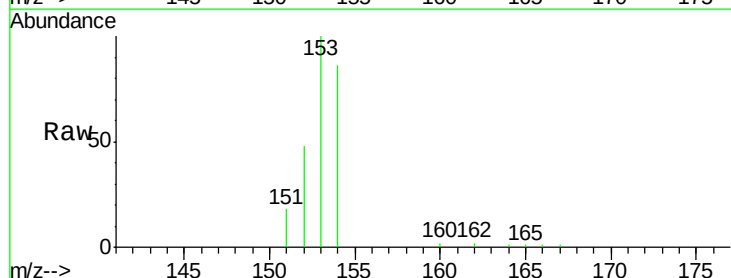
Tgt Ion:153 Resp: 8418

Ion Ratio Lower Upper

153 100

152 47.6 36.0 54.0

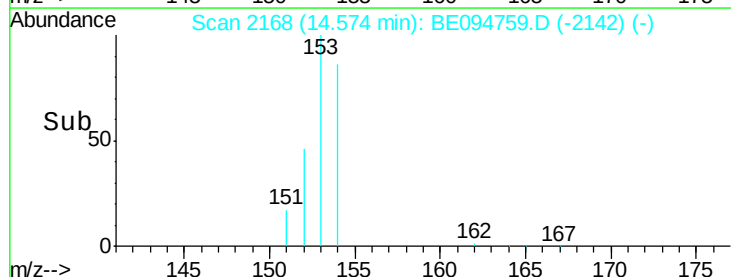
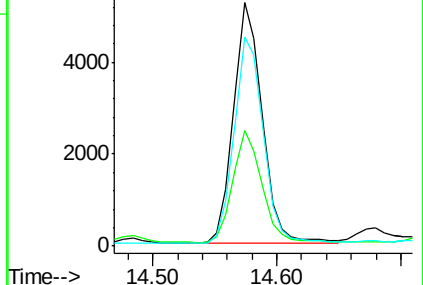
154 85.9 72.0 108.0

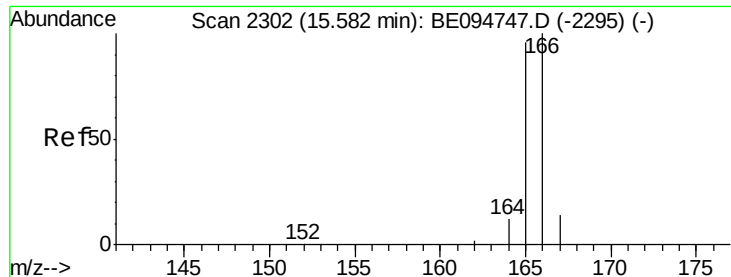


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.54 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

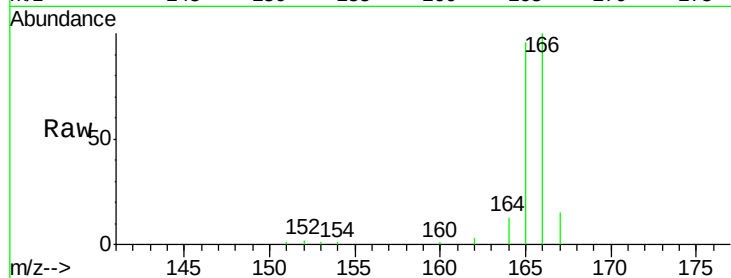
Tot Ion:166 Resp: 8407

Ion Ratio Lower Upper

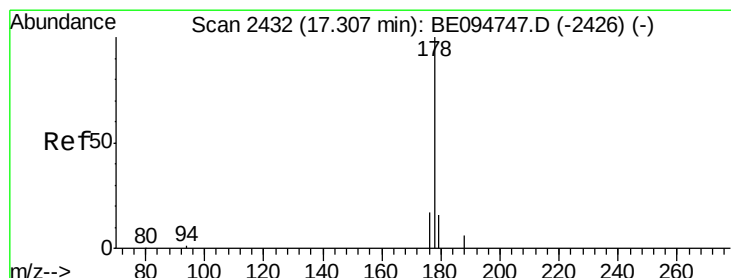
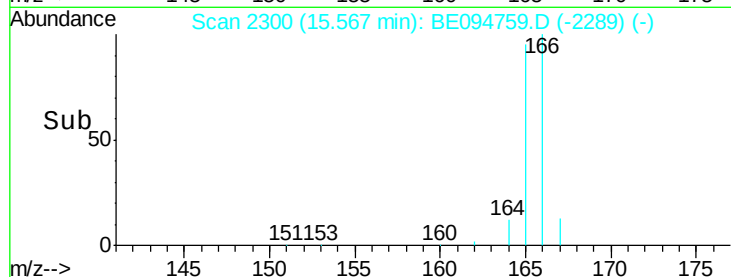
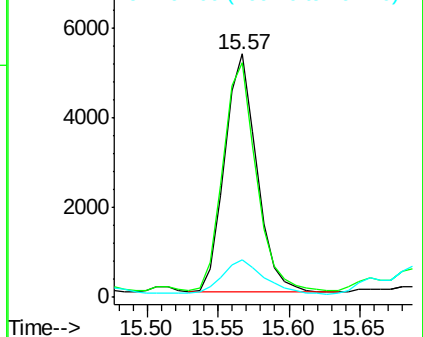
166 100

165 96.2 73.4 110.2

167 15.5 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



#12

Phenanthrene

Concen: 11.46 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

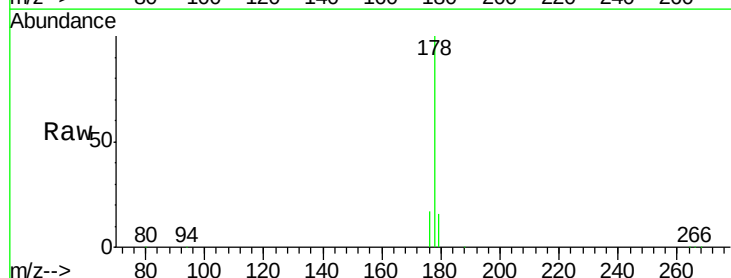
Tgt Ion:178 Resp: 278286

Ion Ratio Lower Upper

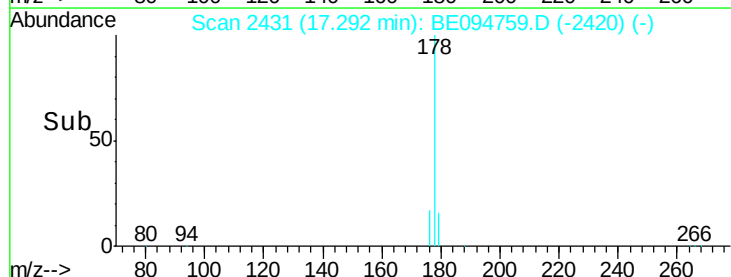
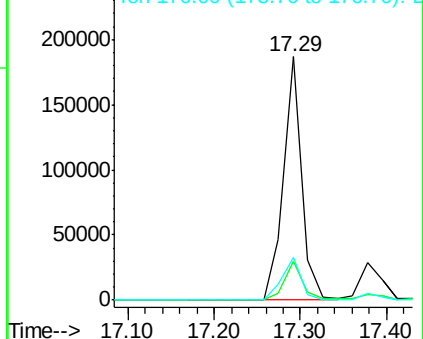
178 100

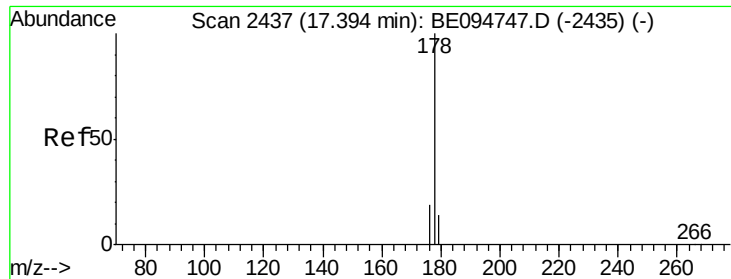
179 15.7 18.4 27.6#

176 17.3 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: 2.15 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

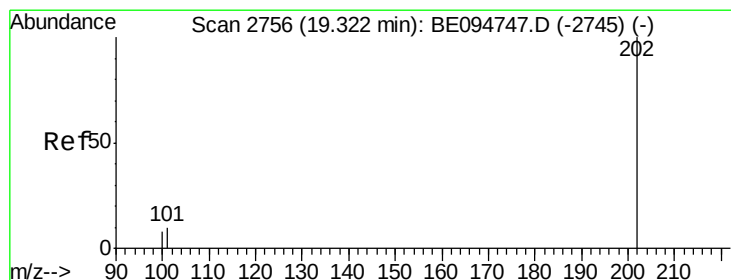
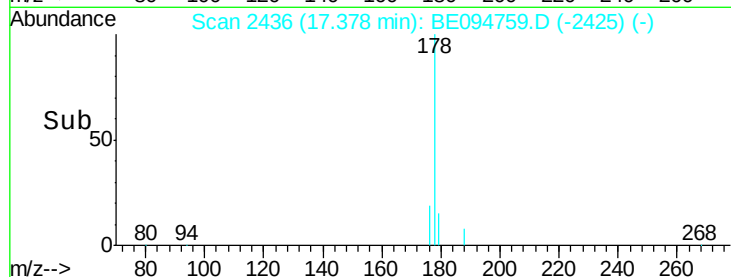
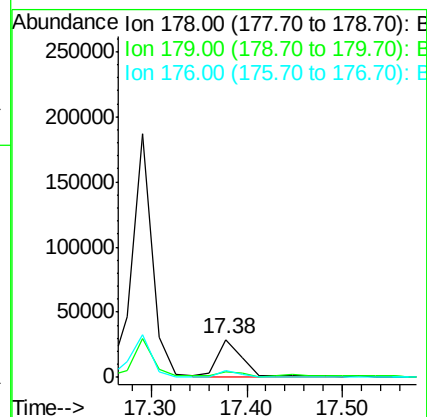
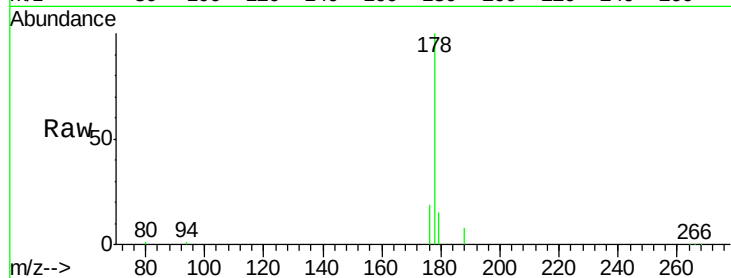
Tot Ion:178 Resp: 51462

Ion Ratio Lower Upper

178 100

179 15.1 18.1 27.1#

176 19.3 14.7 22.1



#15

Fluoranthene

Concen: 17.12 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

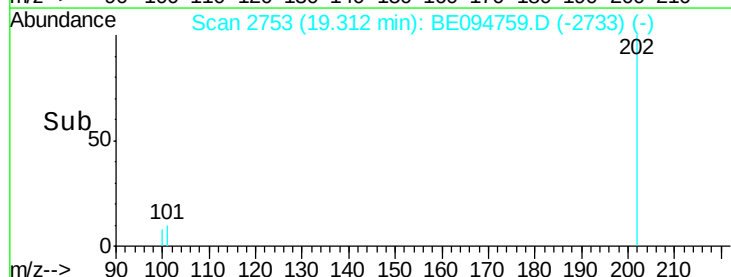
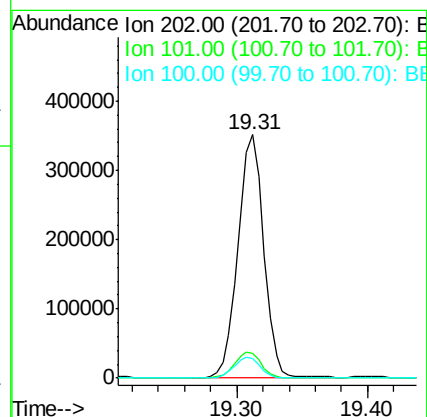
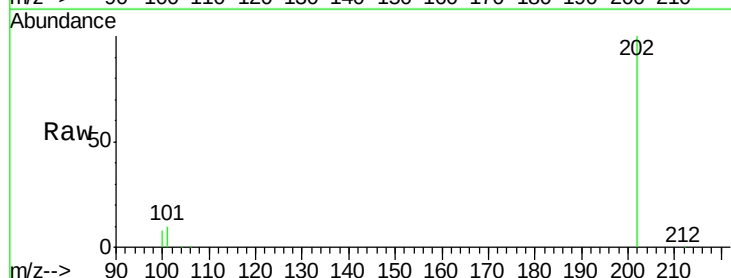
Tgt Ion:202 Resp: 480491

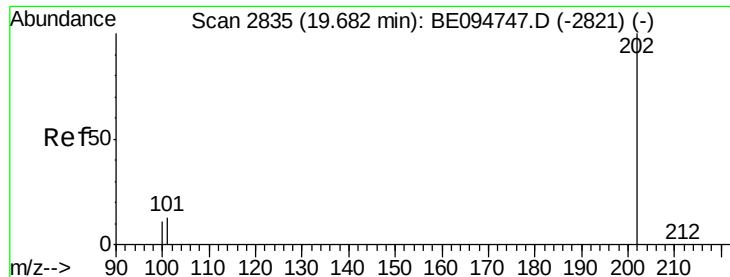
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

100 8.0 0.0 39.5





#17

Pvrene

Concen: 17.67 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

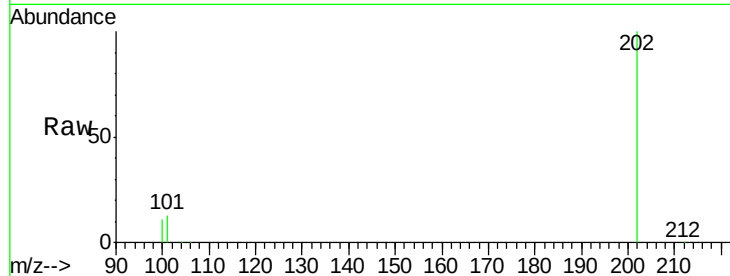
Tot Ion:202 Resp: 499661

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

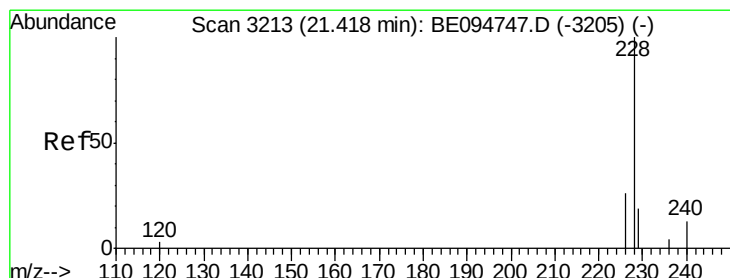
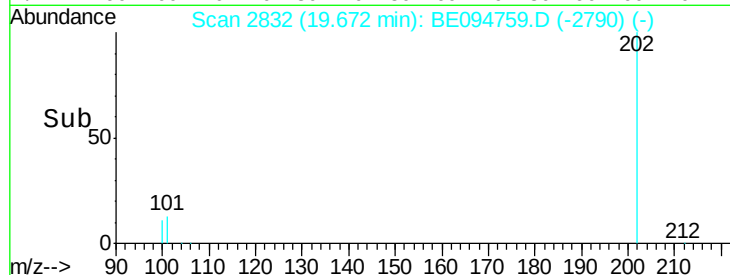
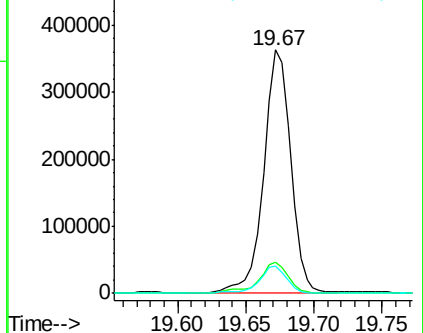
100 11.0 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 10.68 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

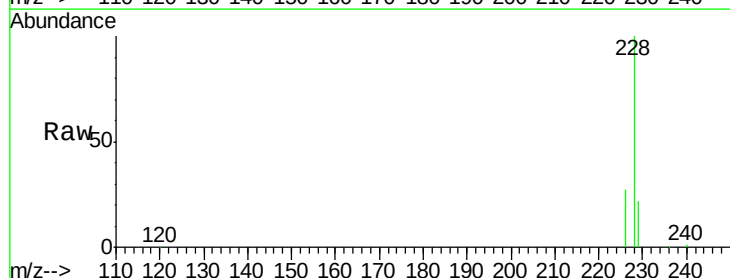
Tgt Ion:228 Resp: 279254

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

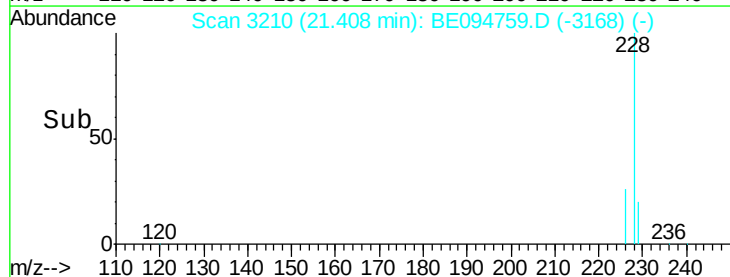
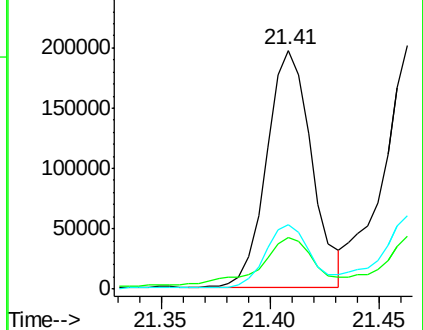
226 26.7 17.0 25.6#

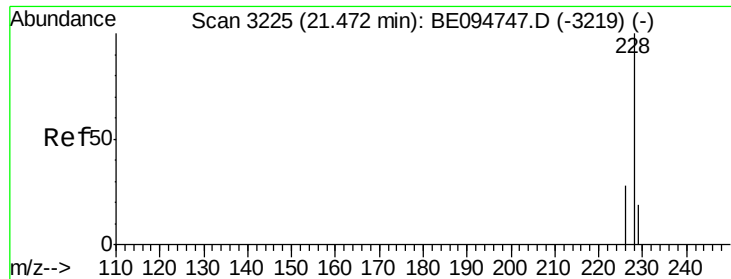


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 11.24 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

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B-76(0-1)-102317

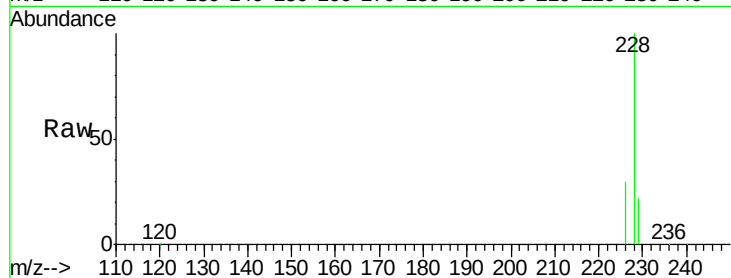
Tot Ion:228 Resp: 303643

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

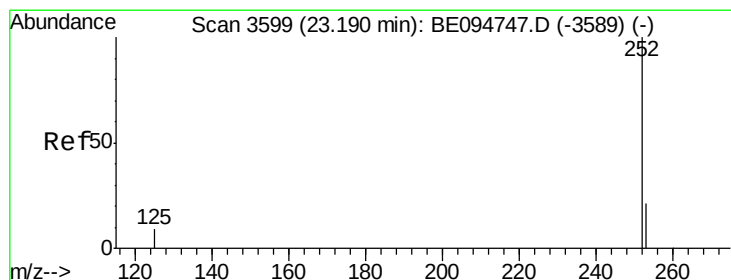
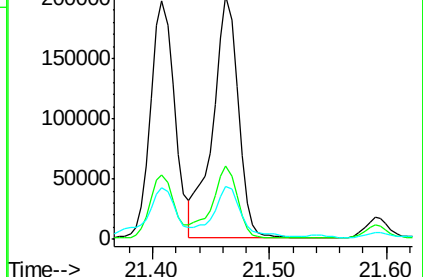
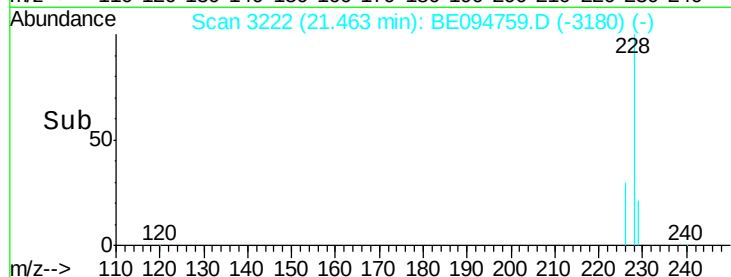
229 21.9 17.7 26.5



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: 15.11 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

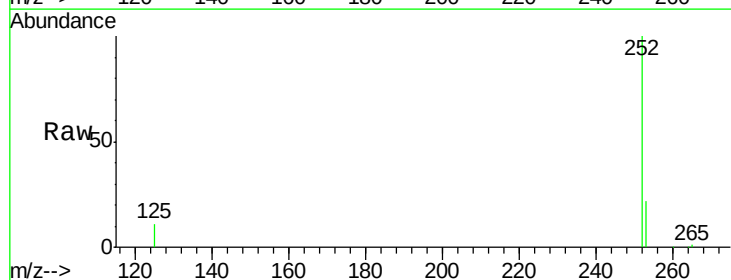
Tgt Ion:252 Resp: 402737

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

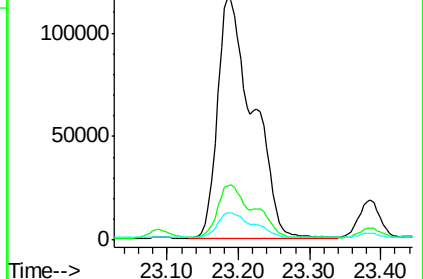
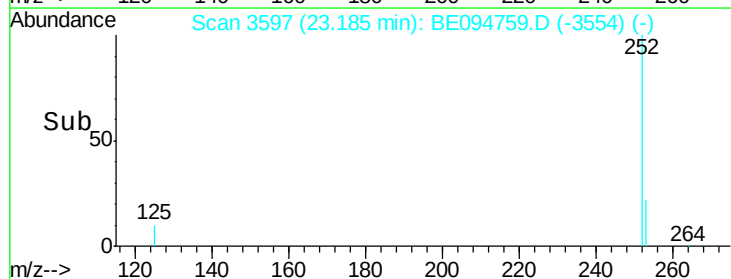
125 11.1 0.0 35.0

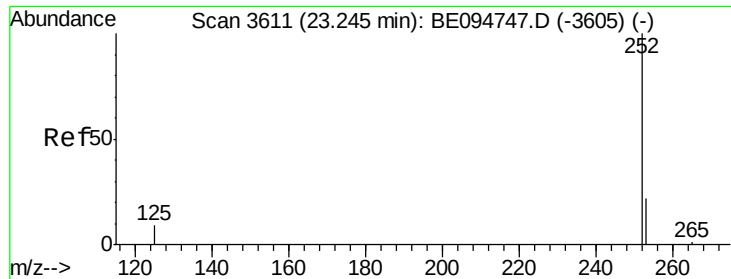


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 14.10 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.06 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

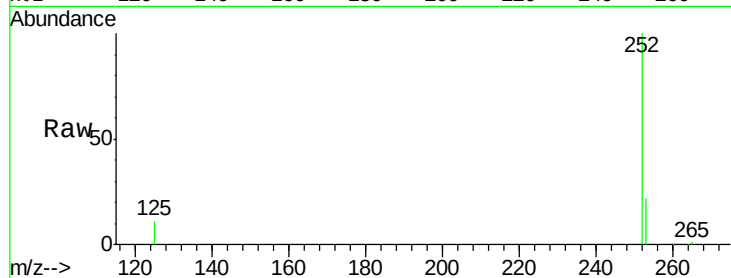
Tot Ion:252 Resp: 402737

Ion Ratio Lower Upper

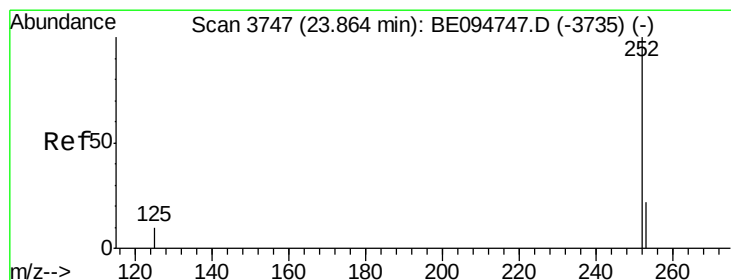
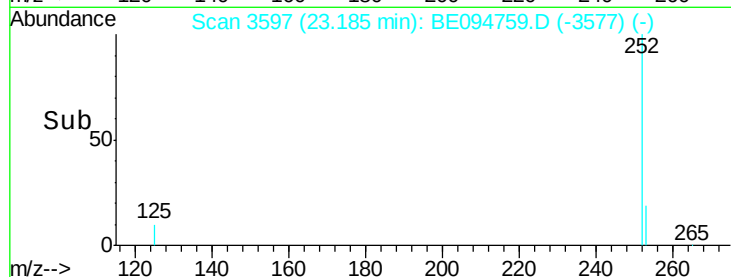
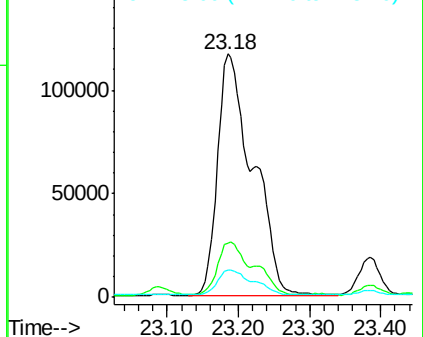
252 100

253 22.5 24.5 36.7#

125 11.1 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: 8.14 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

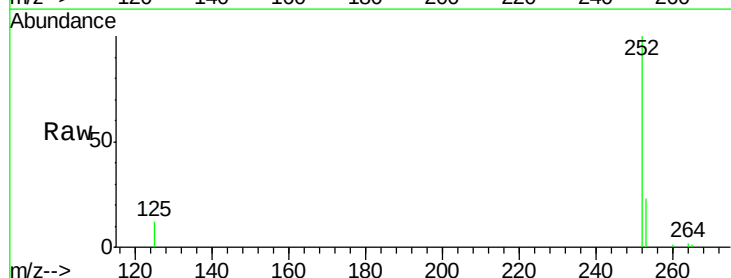
Tgt Ion:252 Resp: 216820

Ion Ratio Lower Upper

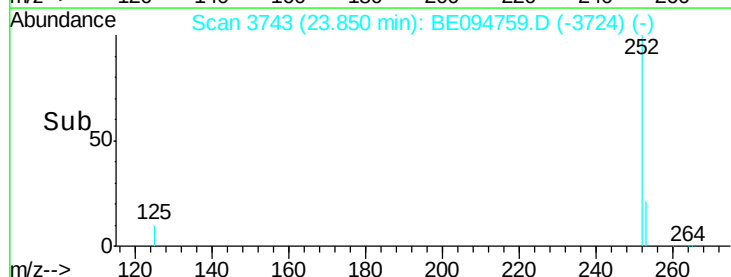
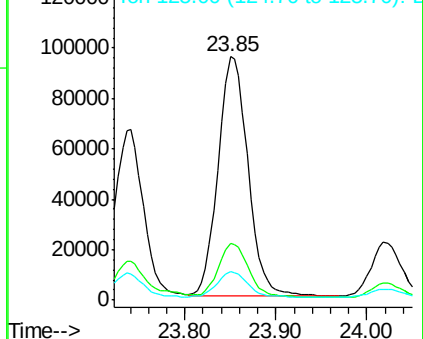
252 100

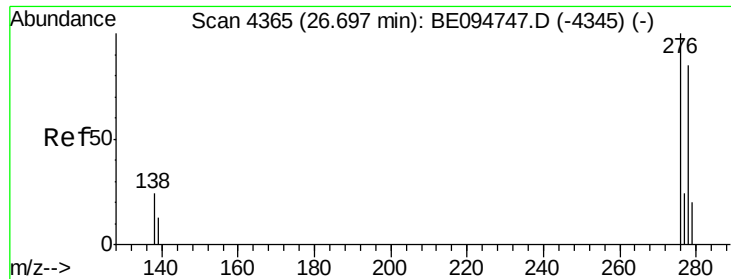
253 23.2 28.5 42.7#

125 11.8 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: 4.03 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317

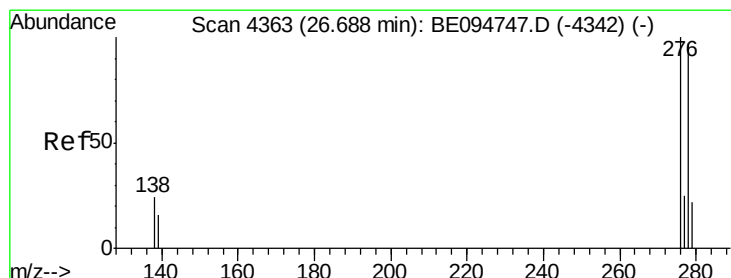
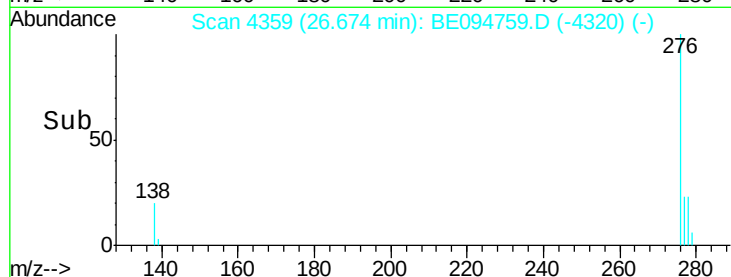
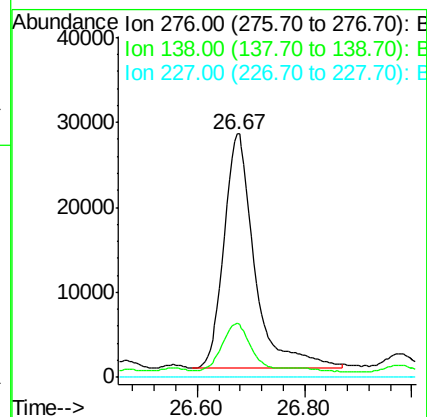
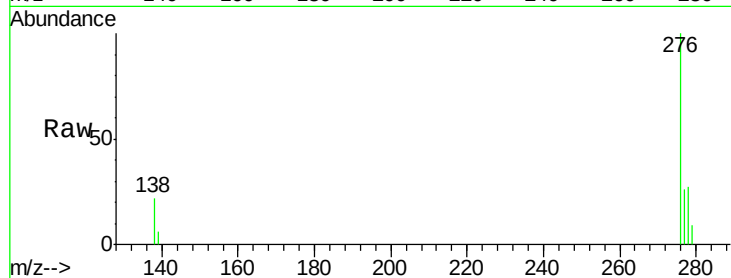
Tot Ion:276 Resp: 111218

Ion Ratio Lower Upper

276 100

138 20.6 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 1.25 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.02 min

Lab File: BE094759.D

Acq: 6 Nov 2017 18:39

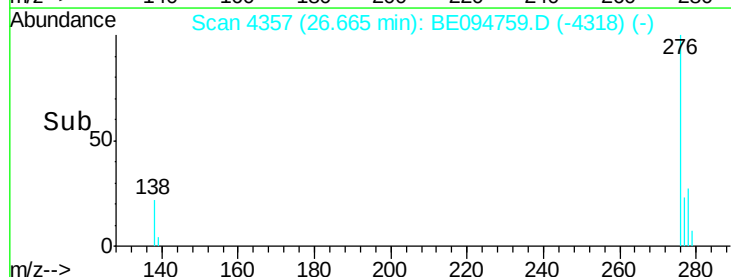
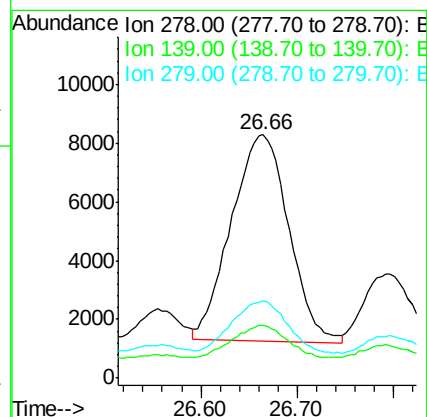
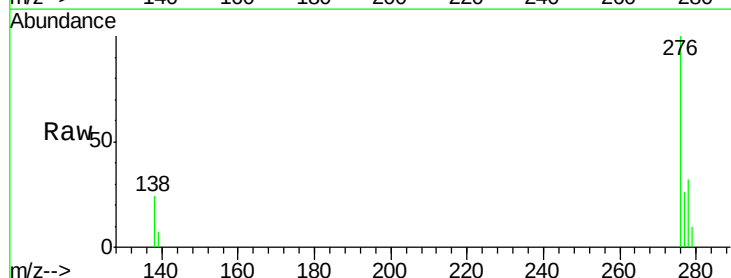
Tgt Ion:278 Resp: 29102

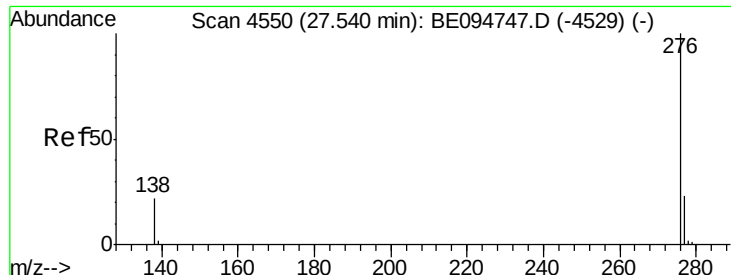
Ion Ratio Lower Upper

278 100

139 21.6 17.4 26.0

279 31.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 3.78 ng/ul

RT: 27.52 min Scan# 4545

Delta R.T. -0.02 min

Lab File: BE094759.D

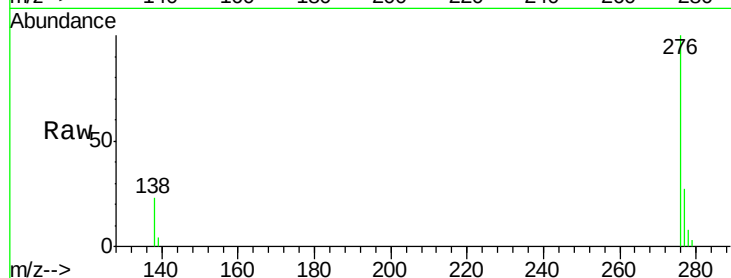
Acq: 6 Nov 2017 18:39

Instrument :

BNA_E

ClientSampleId :

B-76(0-1)-102317



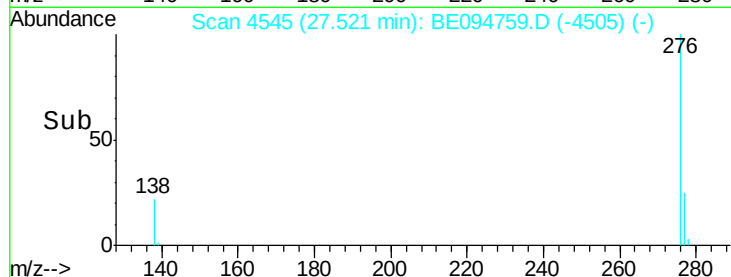
Tot Ion:276 Resp: 83592

Ion Ratio Lower Upper

276 100

138 23.4 21.8 32.8

277 27.0 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

