

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094212.D
 Acq On : 7 Oct 2017 21:01
 Operator : SJ/JU
 Sample : I5449-05DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:54:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

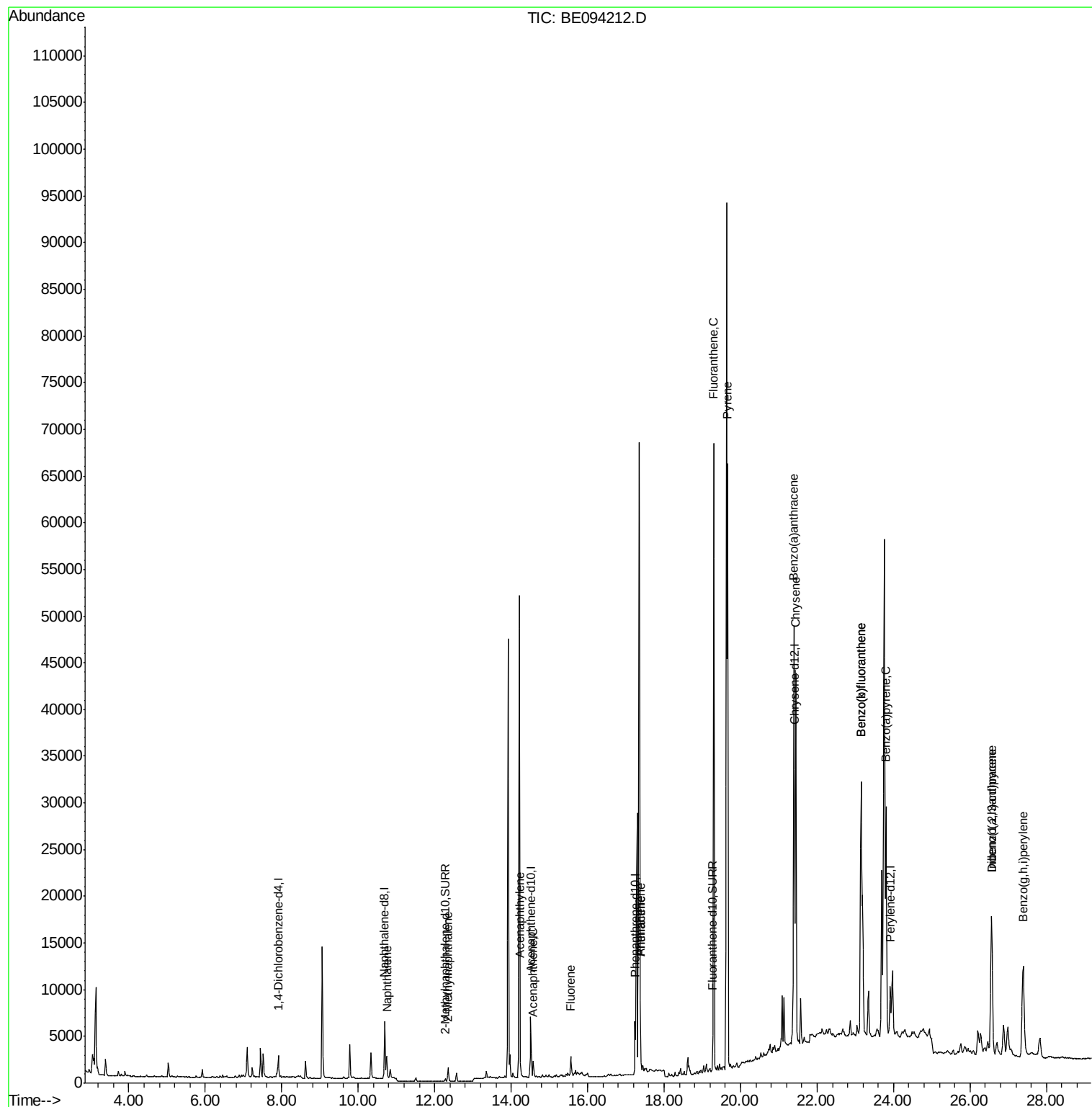
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1189	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6561	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3729	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8081	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	8073	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	7556	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	428	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1041	0.04	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	3717	0.231	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1411	0.135	ng/ul	96
7) Acenaphthylene	14.24	152	1224	0.084	ng/ul#	87
8) Acenaphthene	14.57	153	1066	0.089	ng/ul	95
9) Fluorene	15.56	166	1480	0.106	ng/ul	92
12) Phenanthrene	17.38	178	8130	0.385	ng/ul	94
13) Anthracene	17.38	178	8703	0.424	ng/ul	95
15) Fluoranthene	19.30	202	75092	2.706	ng/ul	84
17) Pyrene	19.66	202	70844	3.154	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	40786	1.904	ng/ul#	88
19) Chrysene	21.45	228	41138	1.663	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	69232	3.373	ng/ul	92
22) Benzo(k)fluoranthene	23.15	252	69249	2.919	ng/ul	93
23) Benzo(a)pyrene	23.80	252	37249	1.746	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.56	276	26637	1.221	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.57	278	7060	0.386	ng/ul#	68
26) Benzo(a,h,i)perylene	27.39	276	24930	1.325	ng/ul	97

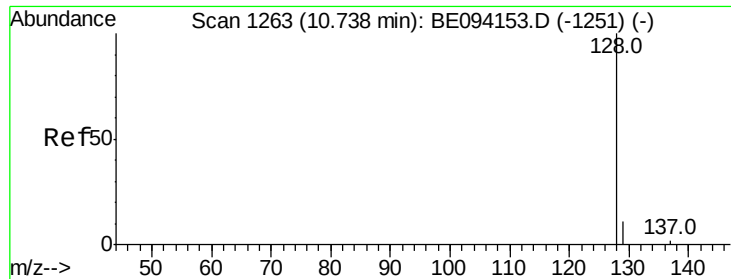
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

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QLast Update : Fri Sep 22 01:38:22 2017
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#3

Naphthalene

Concen: 0.231 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

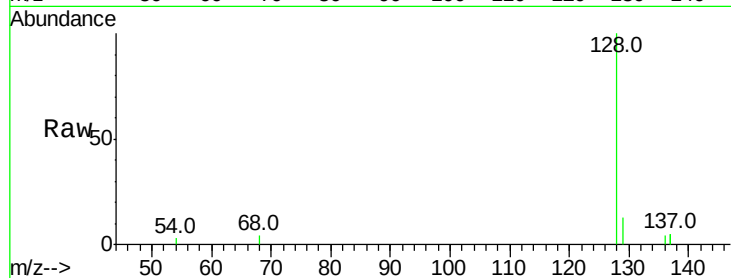
Tot Ion:128 Resp: 3717

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

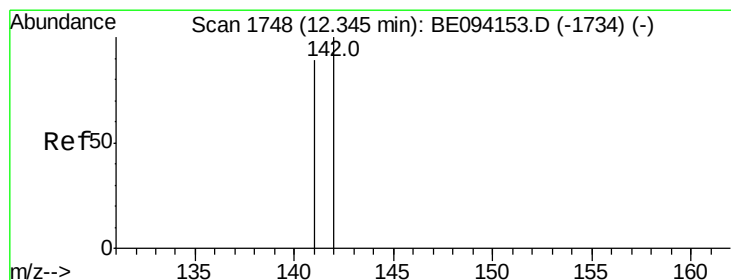
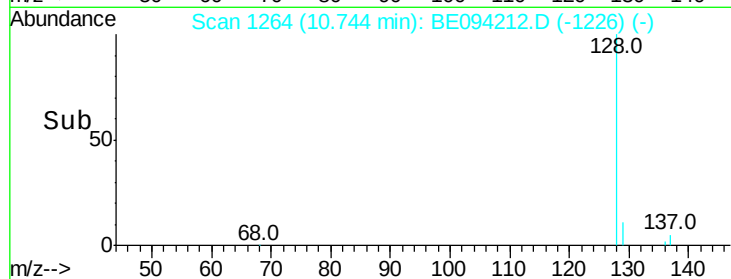
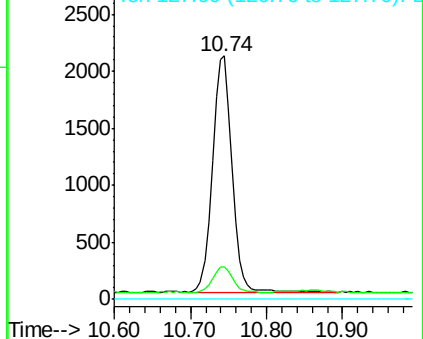
127 0.0 4.0 6.0#



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: 0.135 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094212.D

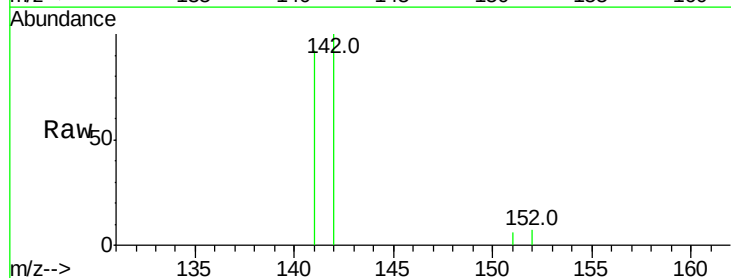
Acq: 7 Oct 2017 21:01

Tgt Ion:142 Resp: 1411

Ion Ratio Lower Upper

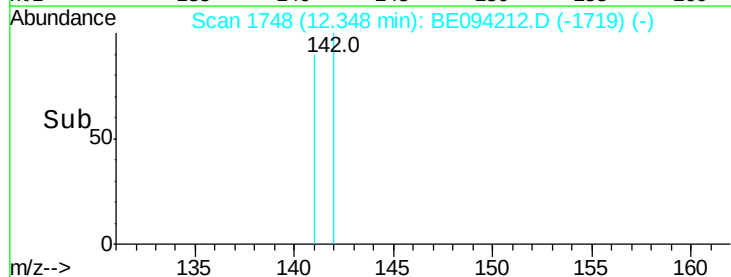
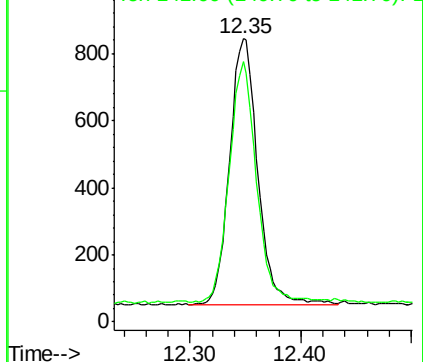
142 100

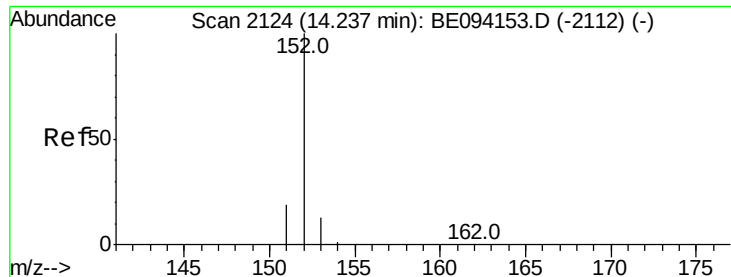
141 87.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

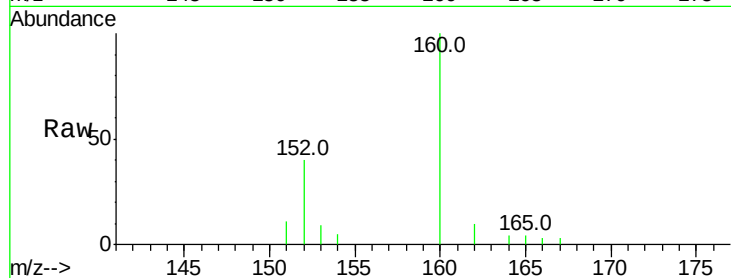
Tot Ion:152 Resp: 1224

Ion Ratio Lower Upper

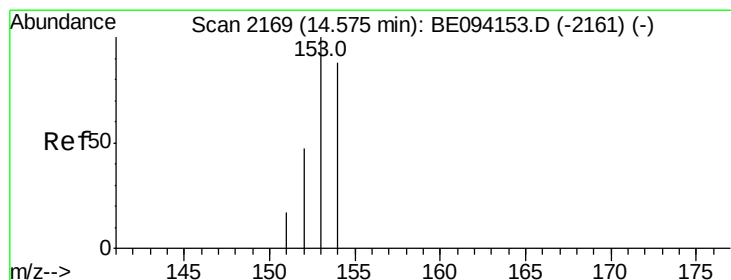
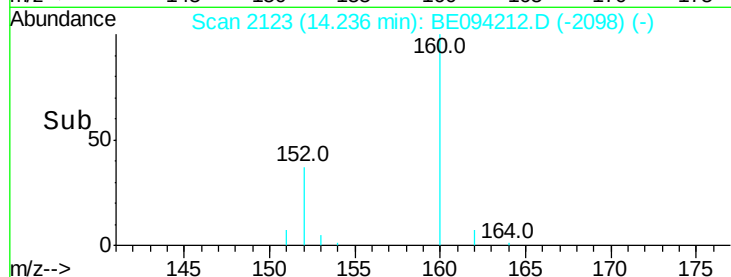
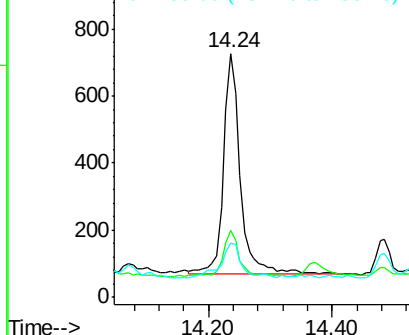
152 100

151 27.3 17.1 25.7#

153 22.2 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: 0.089 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

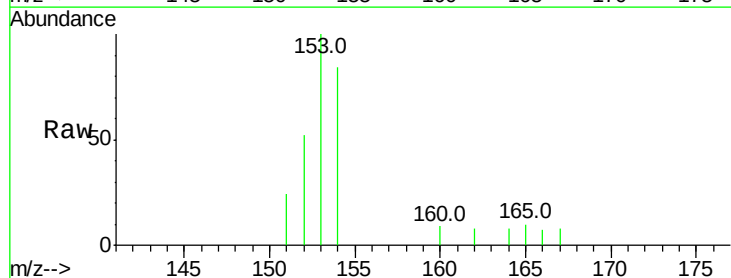
Tgt Ion:153 Resp: 1066

Ion Ratio Lower Upper

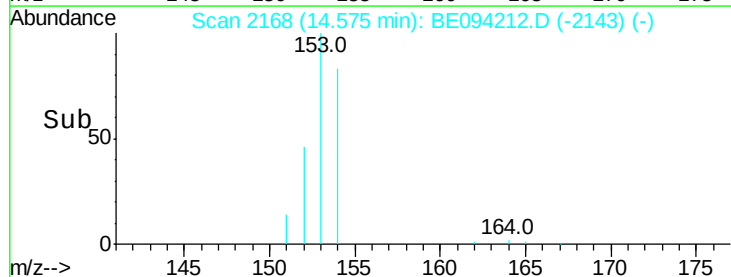
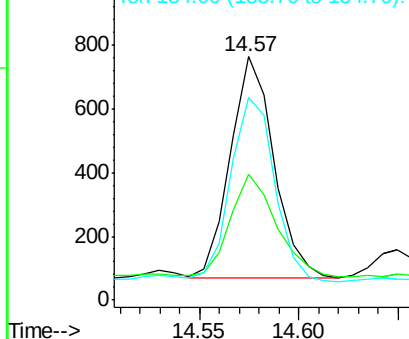
153 100

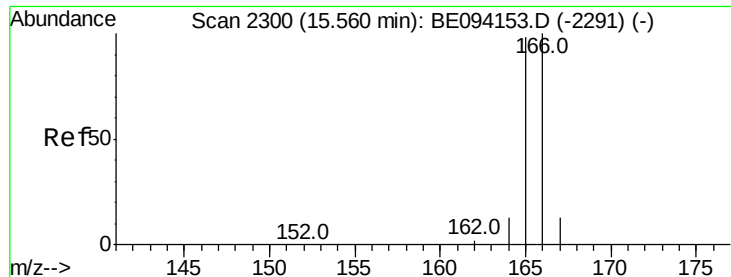
152 52.0 40.3 60.5

154 83.5 71.4 107.2



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: 0.106 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

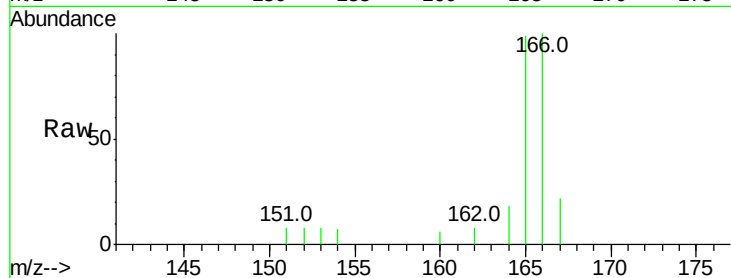
Tot Ion:166 Resp: 1480

Ion Ratio Lower Upper

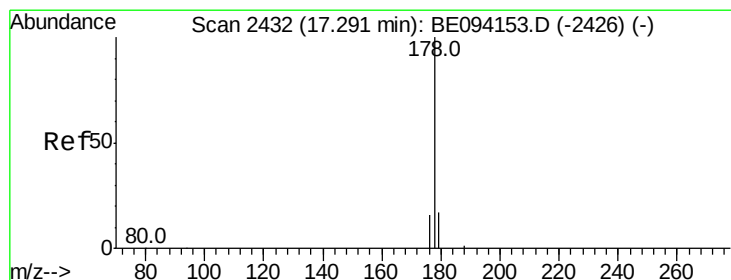
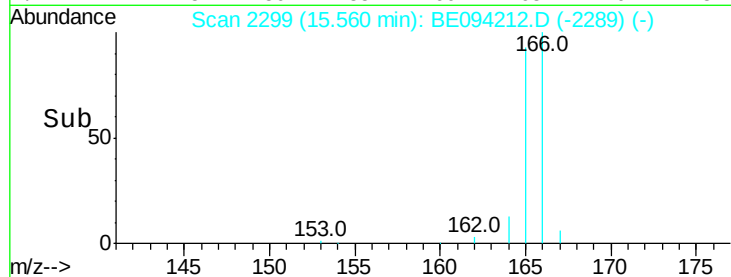
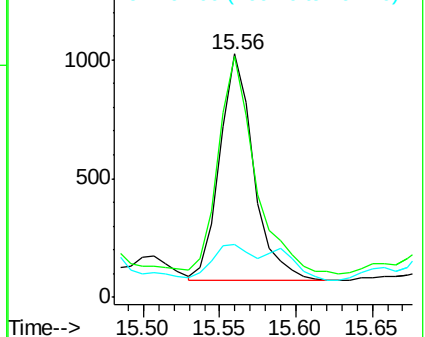
166 100

165 99.1 73.4 110.2

167 21.6 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: 0.385 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.07 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

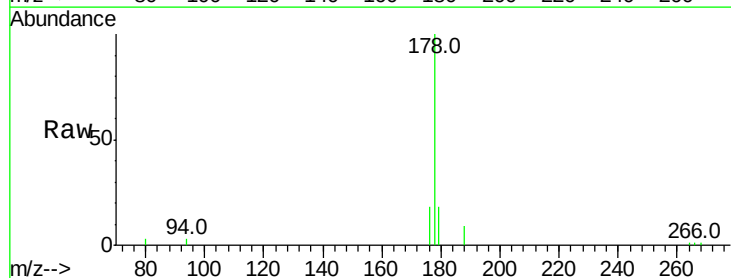
Tgt Ion:178 Resp: 8130

Ion Ratio Lower Upper

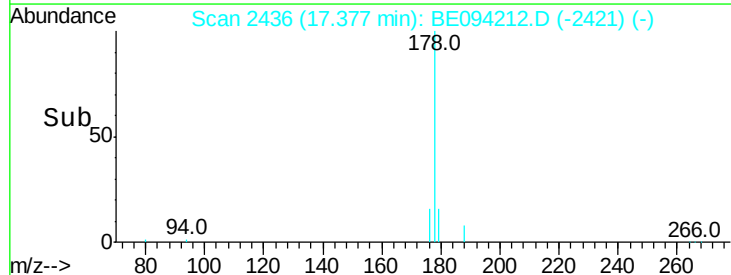
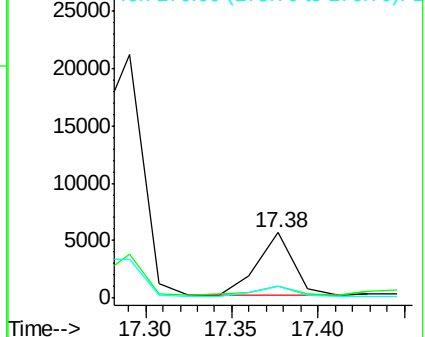
178 100

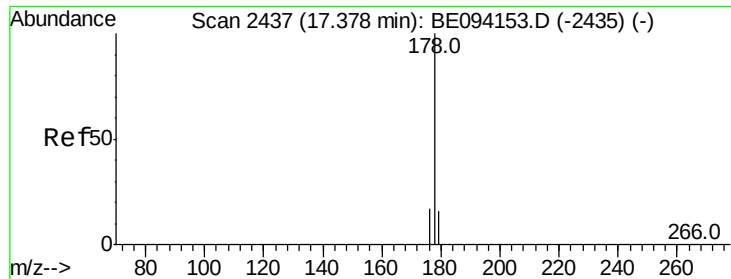
179 18.5 18.4 27.6

176 17.9 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: 0.424 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

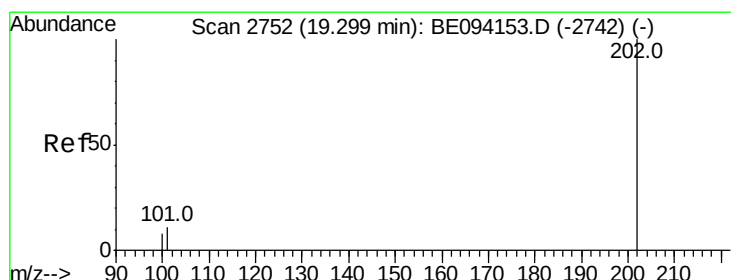
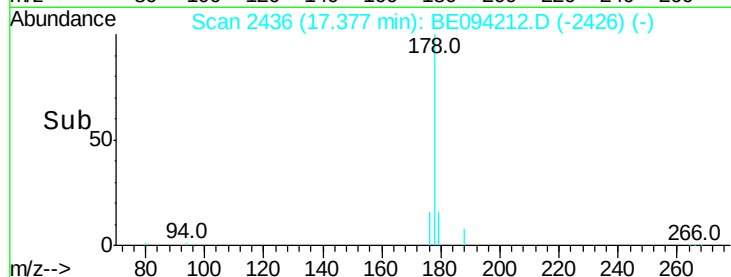
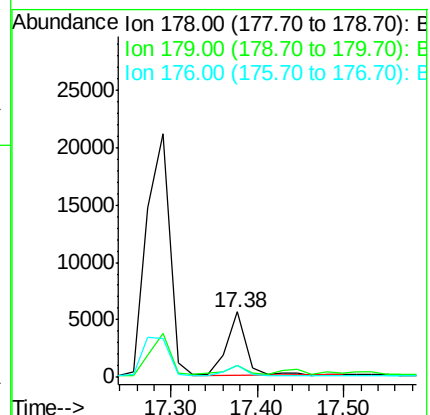
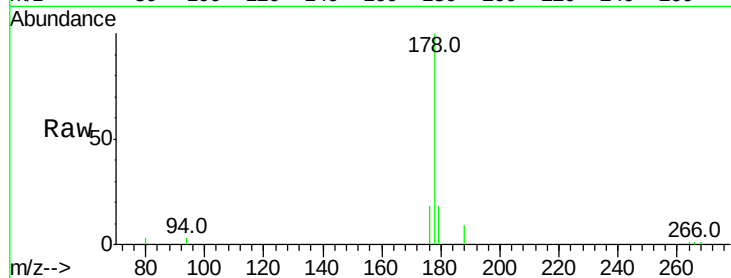
Tot Ion:178 Resp: 8703

Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

176 17.9 14.7 22.1



#15

Fluoranthene

Concen: 2.706 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

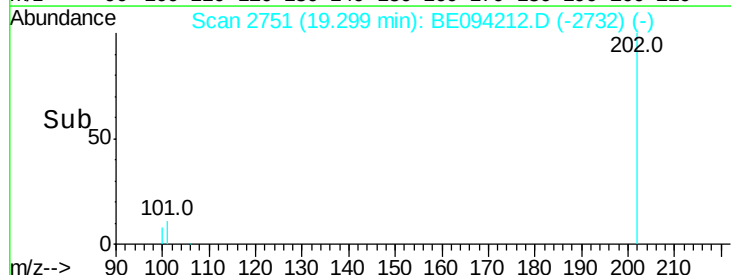
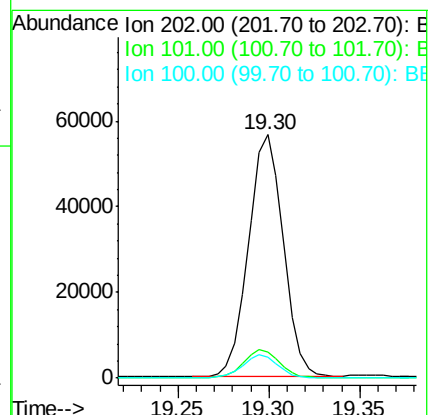
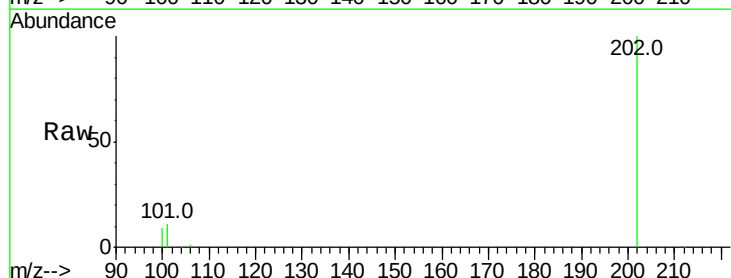
Tgt Ion:202 Resp: 75092

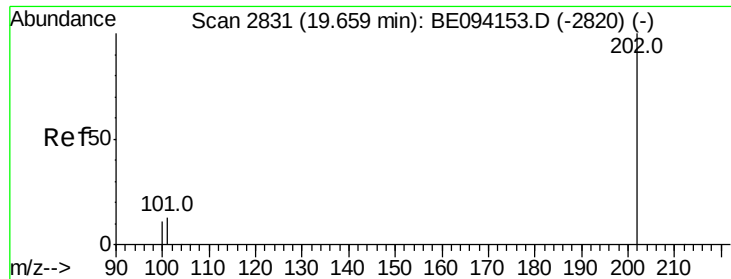
Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

100 8.6 0.0 39.5

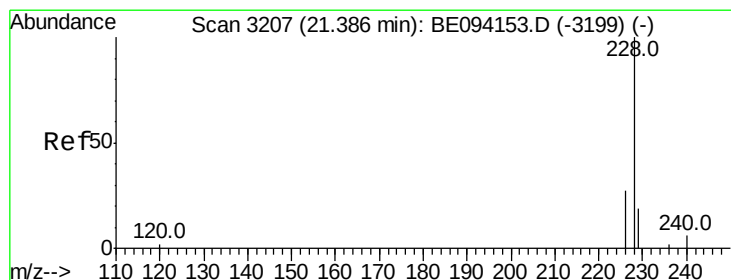
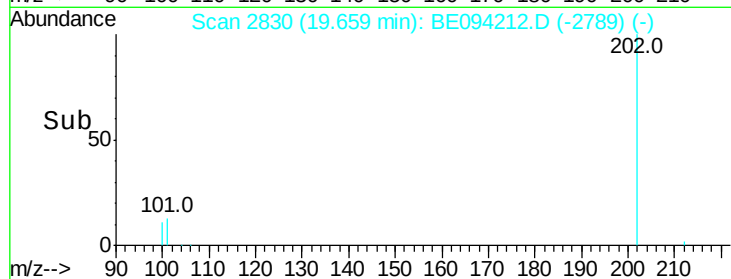
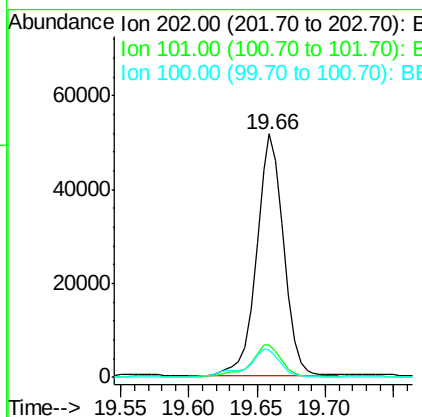
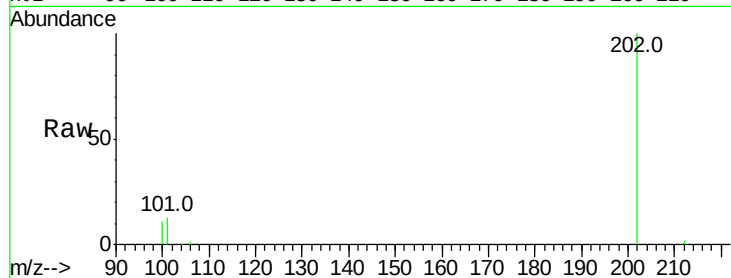




#17
Pvrene
Concen: 3.154 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094212.D
Acq: 7 Oct 2017 21:01

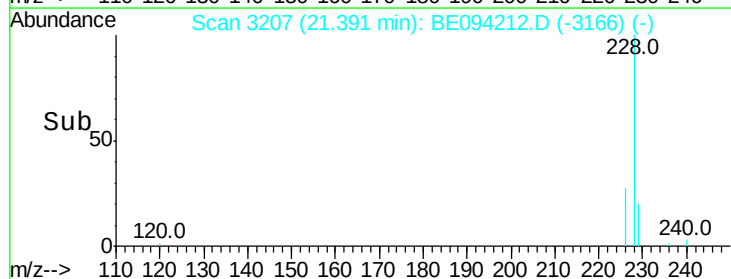
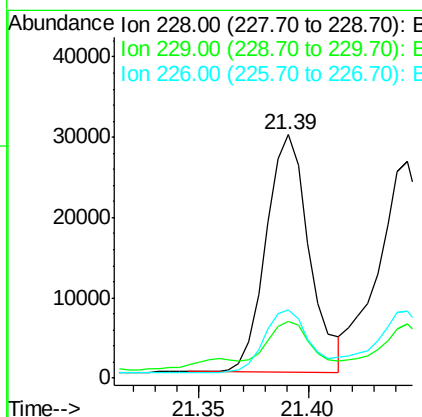
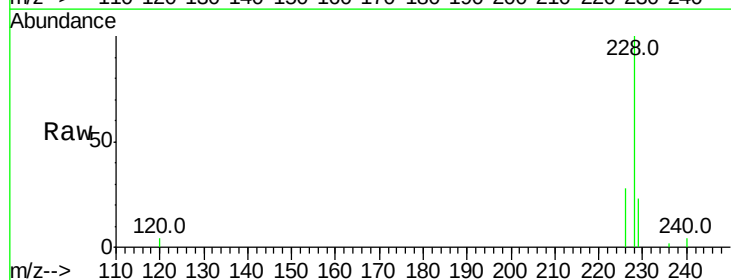
Instrument :
BNA_E
ClientSampleId :

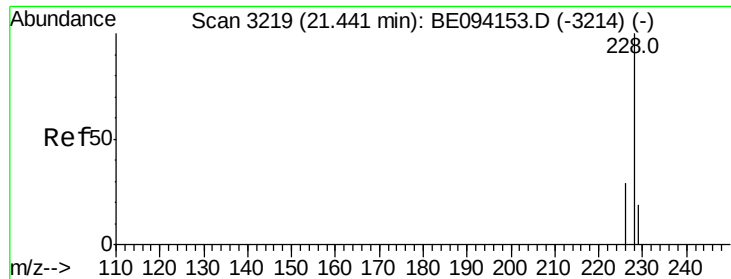
Tot Ion:202 Resp: 70844
Ion Ratio Lower Upper
202 100
101 13.1 18.2 27.4#
100 11.4 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.904 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094212.D
Acq: 7 Oct 2017 21:01

Tgt Ion:228 Resp: 40786
Ion Ratio Lower Upper
228 100
229 23.4 22.8 34.2
226 28.2 17.0 25.6#





#19

Chrysene

Concen: 1.663 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

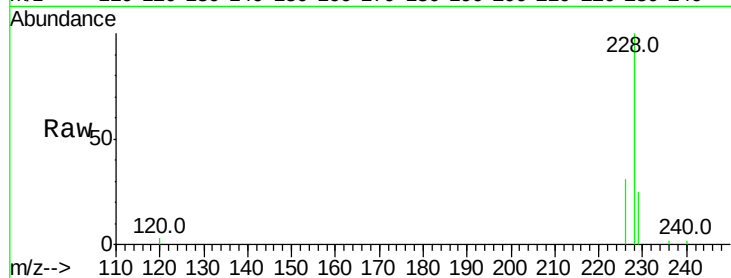
Tot Ion:228 Resp: 41138

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

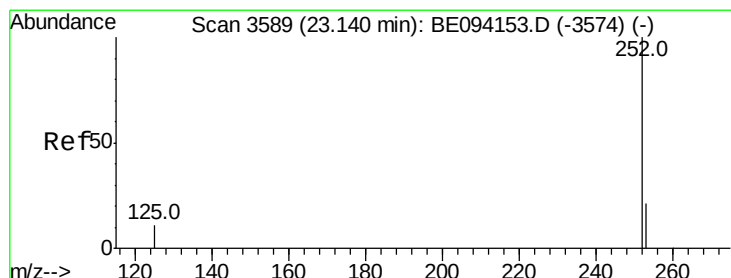
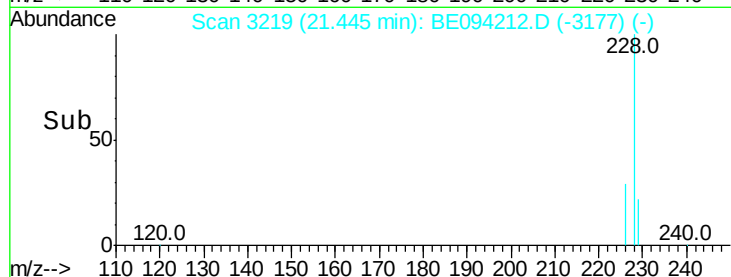
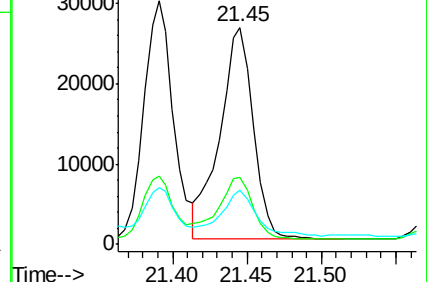
229 24.8 17.7 26.5



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: 3.373 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

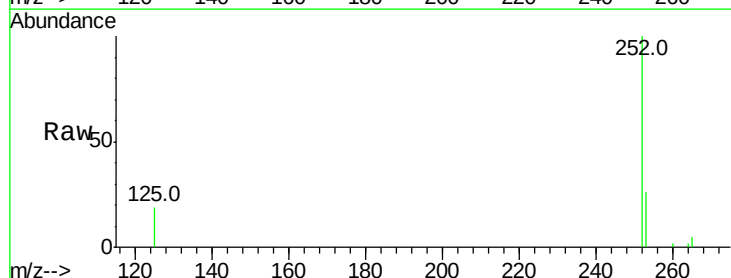
Tgt Ion:252 Resp: 69232

Ion Ratio Lower Upper

252 100

253 26.0 0.0 64.2

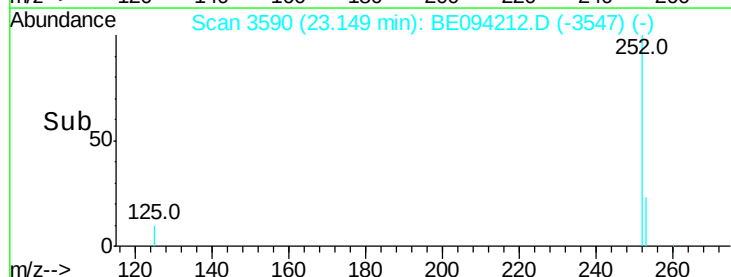
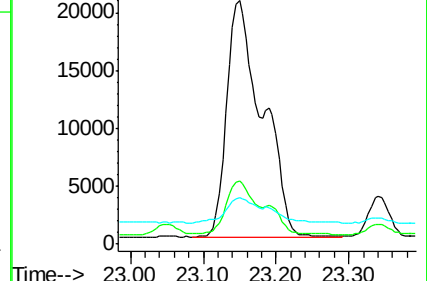
125 18.8 0.0 35.0

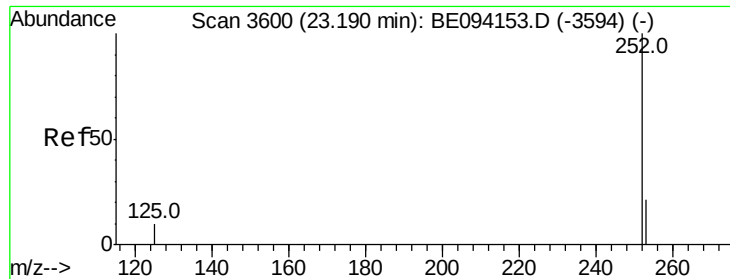


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.919 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :

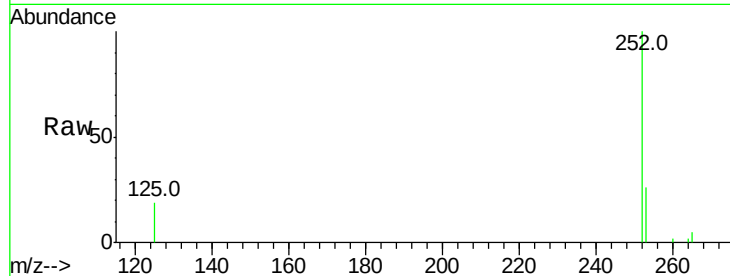
Tot Ion:252 Resp: 69249

Ion Ratio Lower Upper

252 100

253 26.0 24.5 36.7

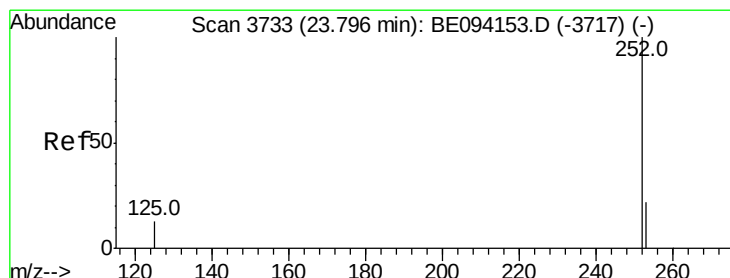
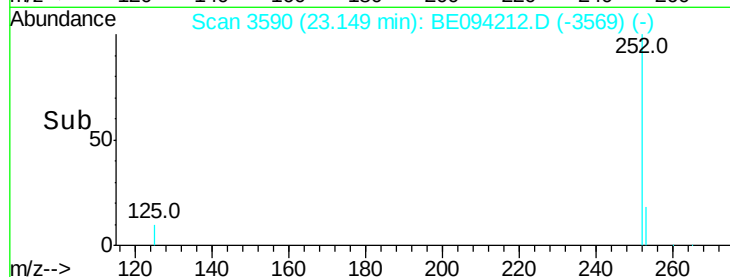
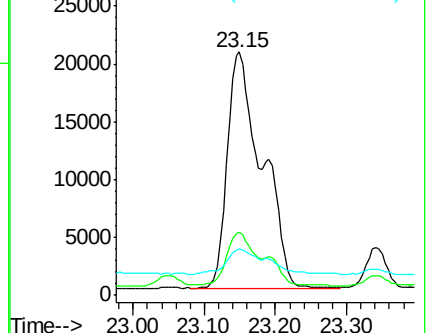
125 18.8 13.7 20.5



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: 1.746 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

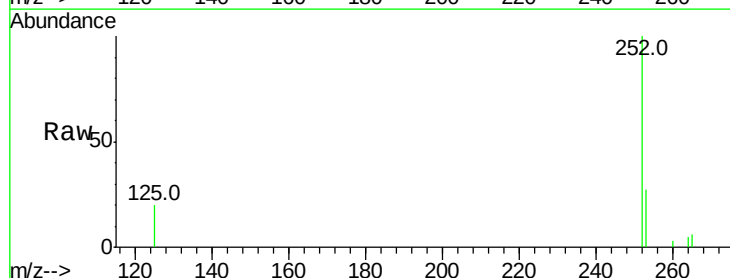
Tgt Ion:252 Resp: 37249

Ion Ratio Lower Upper

252 100

253 26.5 28.5 42.7#

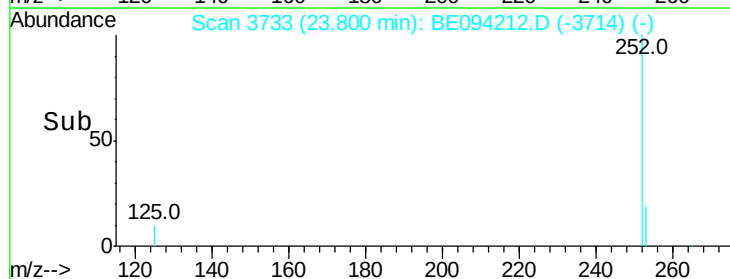
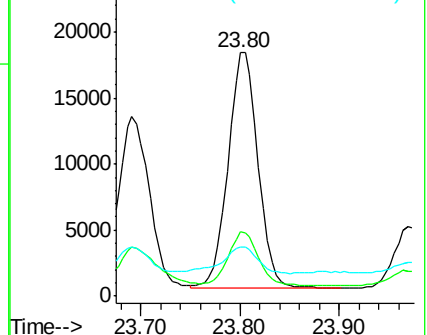
125 20.3 18.1 27.1

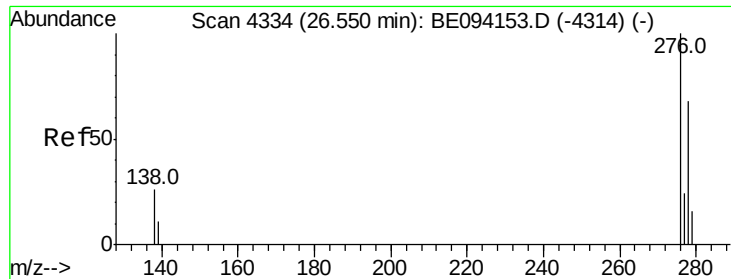


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



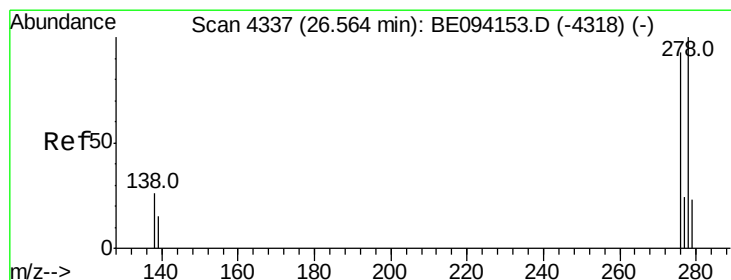
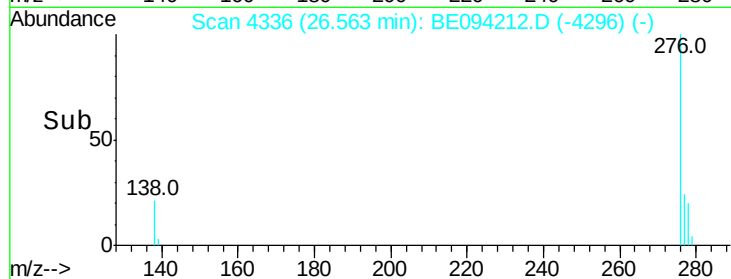
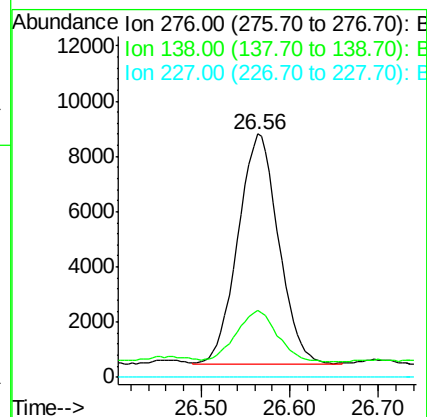
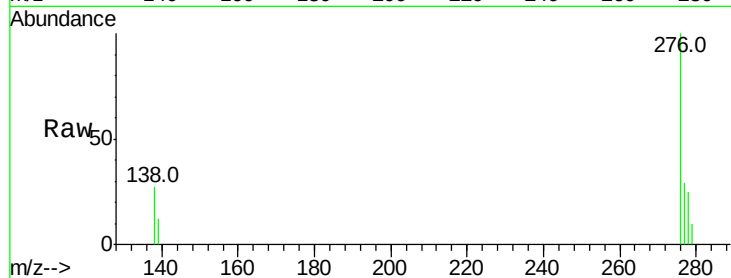


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.221 ng/ul
RT: 26.56 min Scan# 4336
Delta R.T. -0.02 min
Lab File: BE094212.D
Acq: 7 Oct 2017 21:01

Instrument :
BNA_E
ClientSampleId :

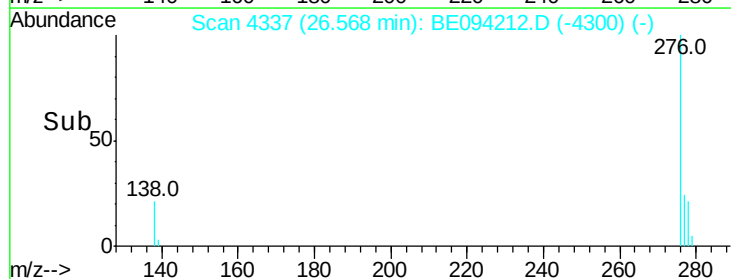
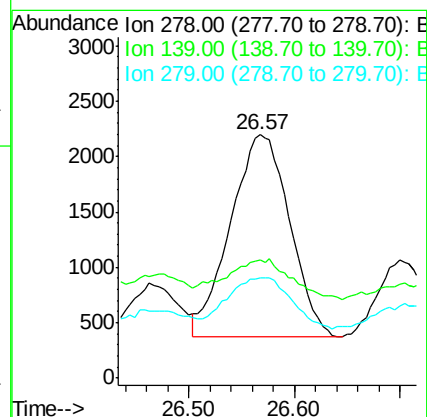
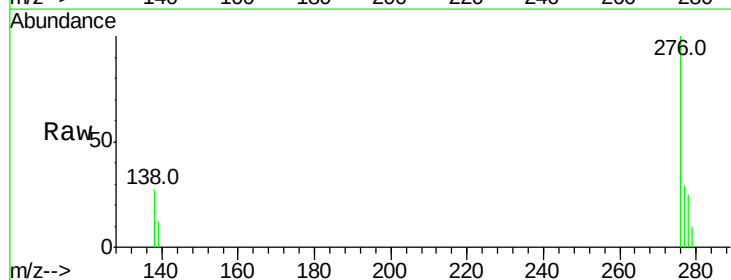
Tot Ion:276 Resp: 26637
Ion Ratio Lower Upper
276 100
138 22.7 28.0 42.0#
227 0.0 8.0 12.0#

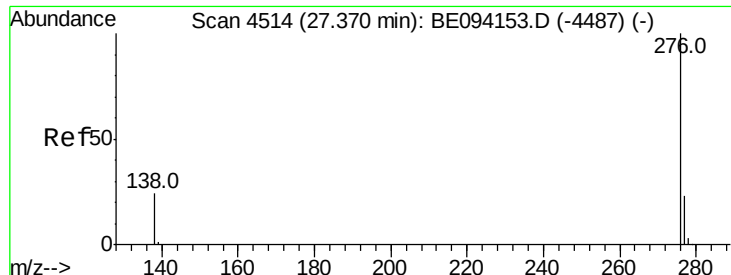


#25

Dibenzo(a,h)anthracene
Concen: 0.386 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.03 min
Lab File: BE094212.D
Acq: 7 Oct 2017 21:01

Tgt Ion:278 Resp: 7060
Ion Ratio Lower Upper
278 100
139 48.6 17.4 26.0#
279 41.4 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 1.325 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.01 min

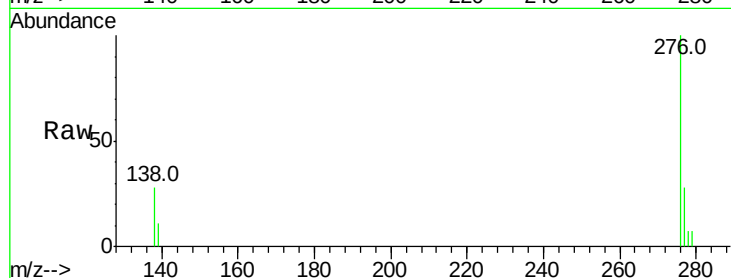
Lab File: BE094212.D

Acq: 7 Oct 2017 21:01

Instrument :

BNA_E

ClientSampleId :



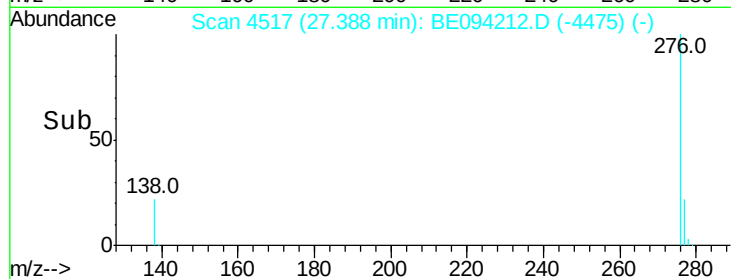
Tot Ion:276 Resp: 24930

Ion Ratio Lower Upper

276 100

138 28.4 21.8 32.8

277 28.0 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

