

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094727.D
 Acq On : 4 Nov 2017 2:50
 Operator : SJ/JU
 Sample : I5976-01 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-20(3.5-4)-101817

Quant Time: Nov 04 04:08:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 02:38:13 2017
 Response via : Initial Calibration

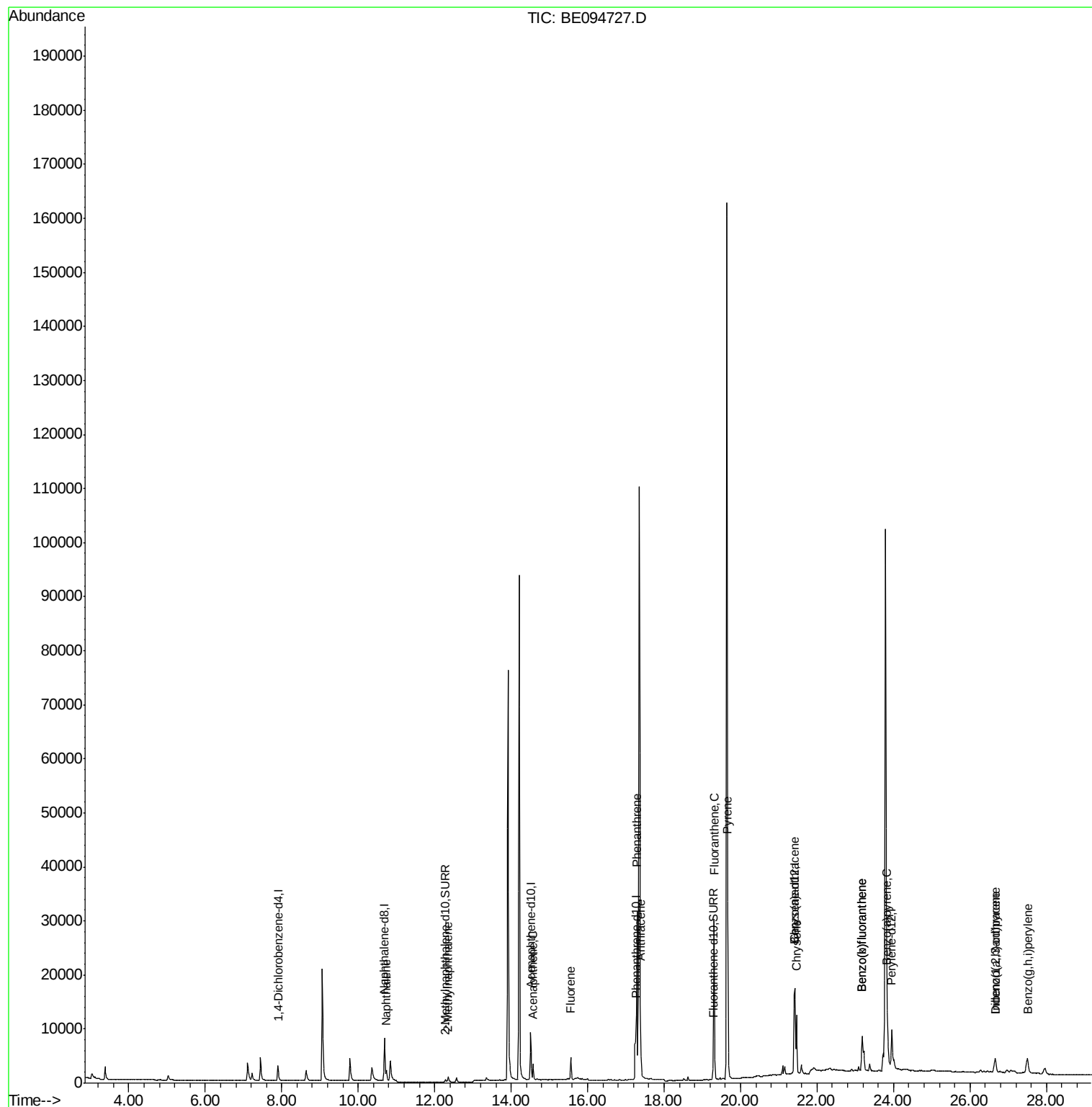
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1621	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	9747	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5531	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12315	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	12437	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	13516	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	769	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2081	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2943	0.12	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1169	0.07	ng/ul	100
8) Acenaphthene	14.57	153	1944	0.11	ng/ul	96
9) Fluorene	15.56	166	2880	0.14	ng/ul	94
12) Phenanthrene	17.29	178	37195	1.14	ng/ul#	92
13) Anthracene	17.38	178	9866	0.31	ng/ul#	94
15) Fluoranthene	19.31	202	35940	0.96	ng/ul	84
17) Pyrene	19.67	202	31309	0.81	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	13241	0.37	ng/ul#	88
19) Chrysene	21.46	228	11276	0.31	ng/ul	93
21) Benzo(b)fluoranthene	23.18	252	17273	0.45	ng/ul	92
22) Benzo(k)fluoranthene	23.18	252	17273	0.42	ng/ul#	93
23) Benzo(a)pyrene	23.84	252	9946	0.26	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.66	276	5797	0.15	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.65	278	1165	0.04	ng/ul#	39
26) Benzo(a,h,i)perylene	27.50	276	7676	0.24	ng/ul#	86

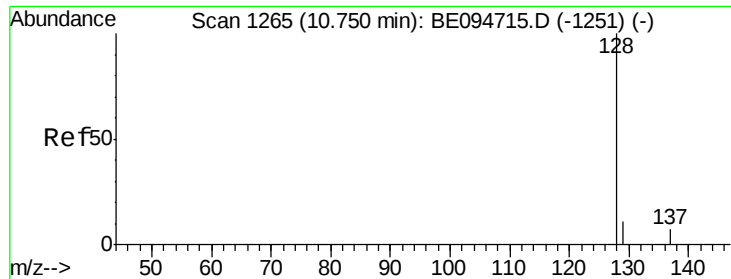
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

ClientSampleId :

B-20(3.5-4)-101817

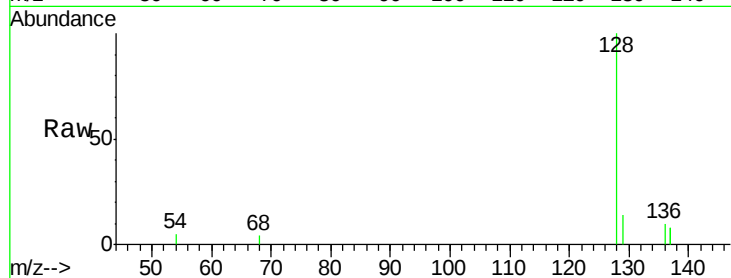
Tot Ion:128 Resp: 2943

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

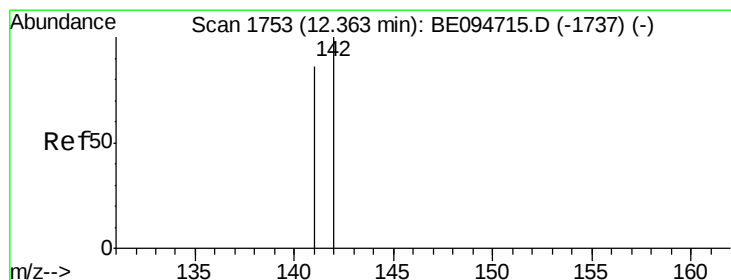
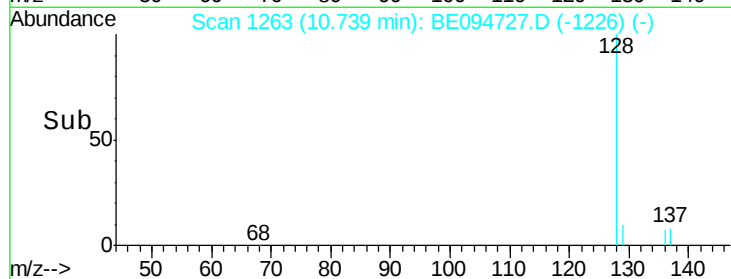
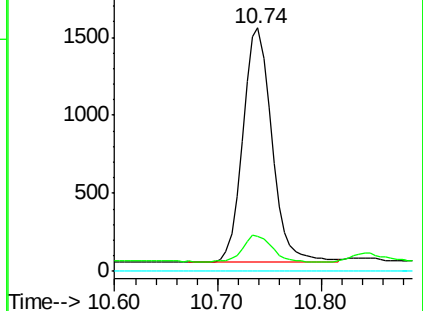
127 0.0 4.0 6.0#



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: 0.07 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094727.D

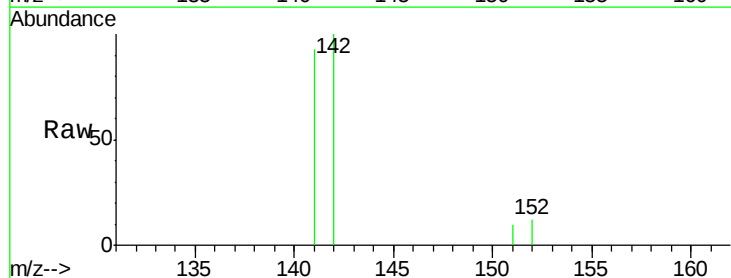
Acq: 4 Nov 2017 2:50

Tgt Ion:142 Resp: 1169

Ion Ratio Lower Upper

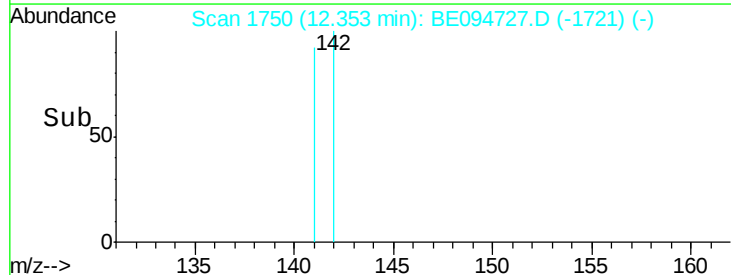
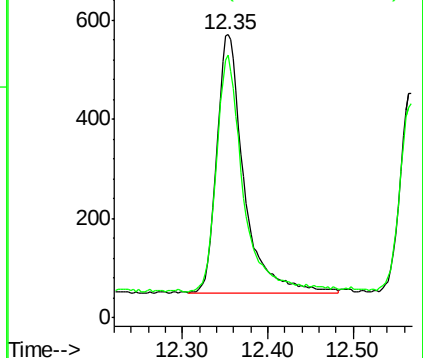
142 100

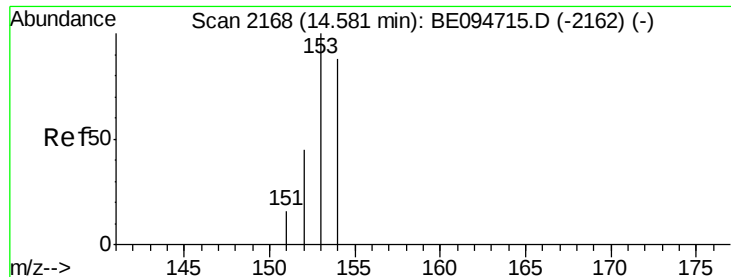
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

ClientSampleId :

B-20(3.5-4)-101817

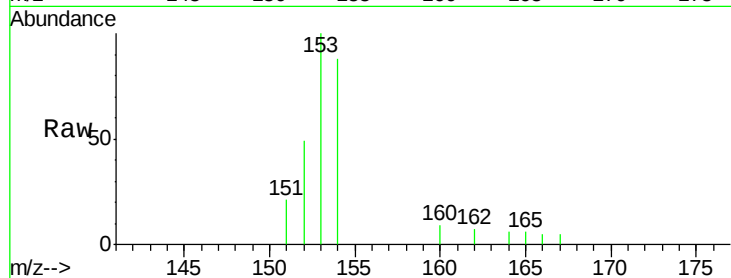
Tot Ion:153 Resp: 1944

Ion Ratio Lower Upper

153 100

152 48.9 36.0 54.0

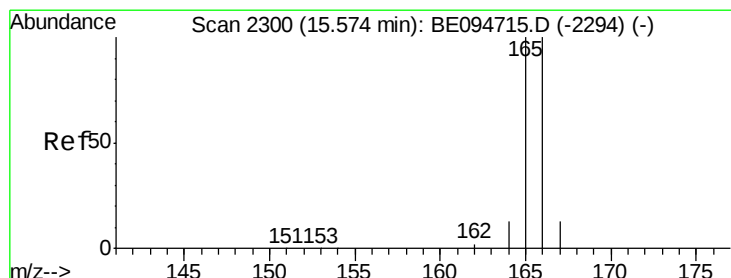
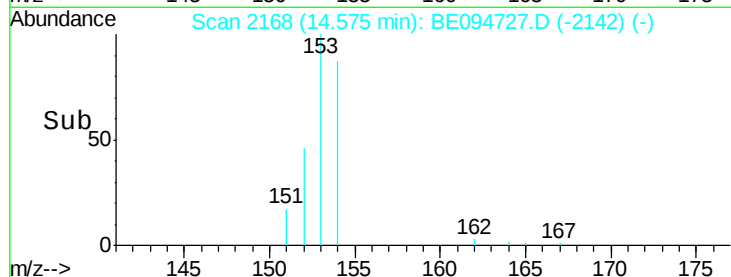
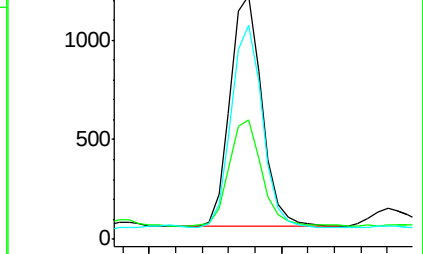
154 87.8 72.0 108.0



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: 0.14 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

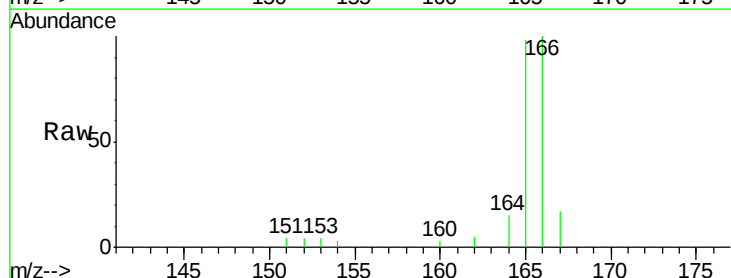
Tgt Ion:166 Resp: 2880

Ion Ratio Lower Upper

166 100

165 98.5 73.4 110.2

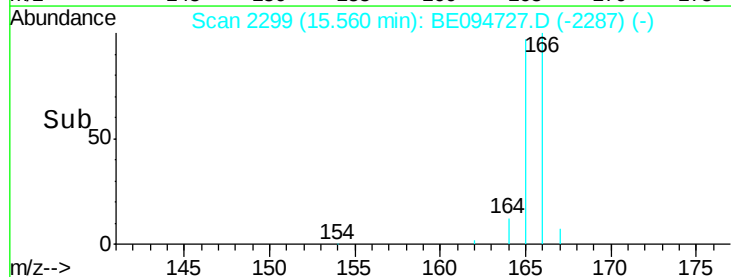
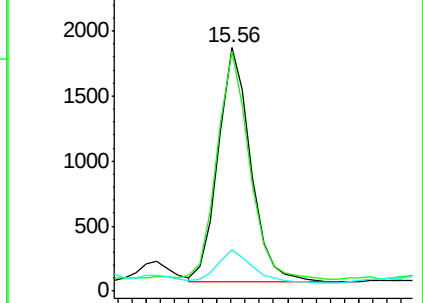
167 16.8 14.6 22.0

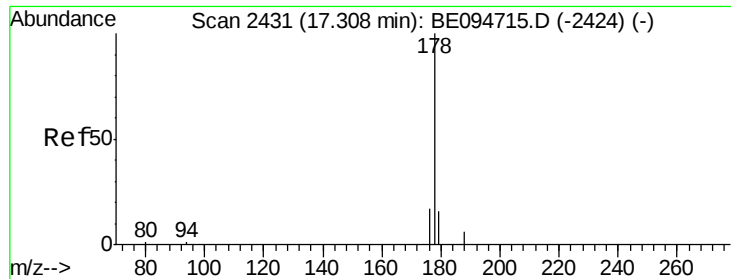


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 1.14 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

ClientSampleId :

B-20(3.5-4)-101817

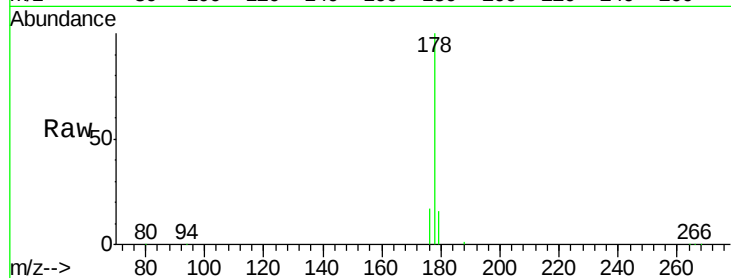
Tot Ion:178 Resp: 37195

Ion Ratio Lower Upper

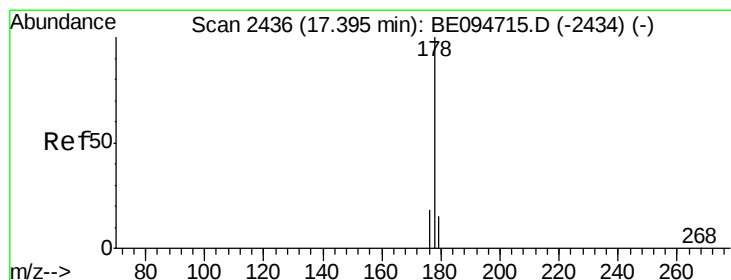
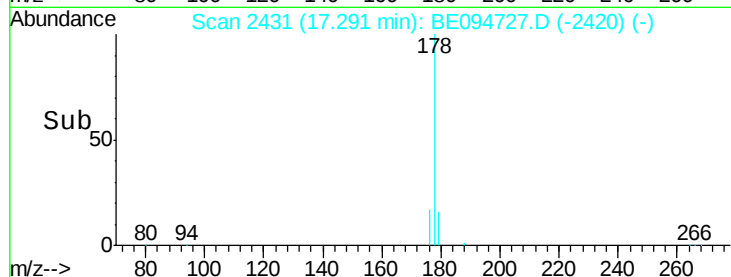
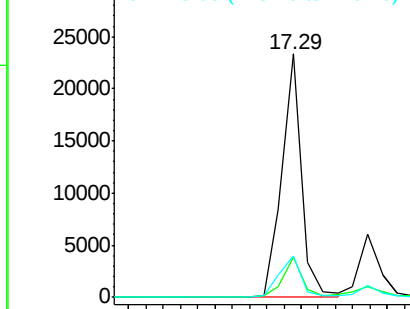
178 100

179 16.5 18.4 27.6#

176 17.0 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: 0.31 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

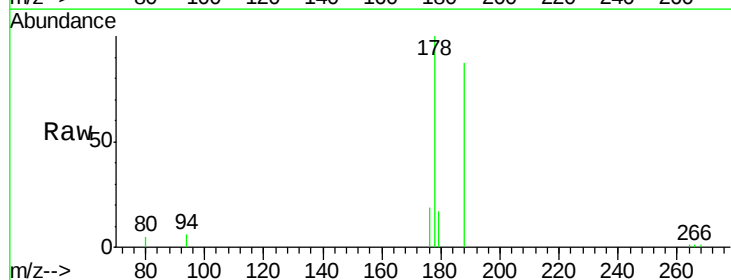
Tgt Ion:178 Resp: 9866

Ion Ratio Lower Upper

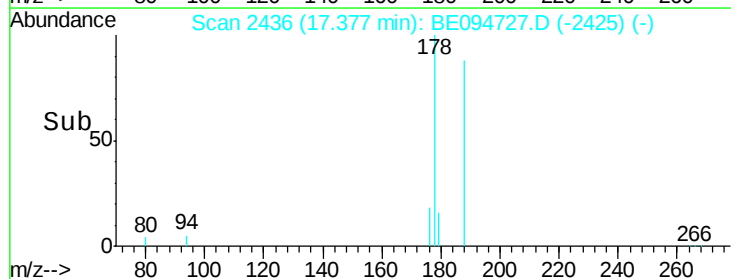
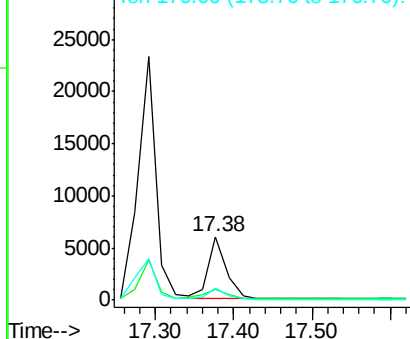
178 100

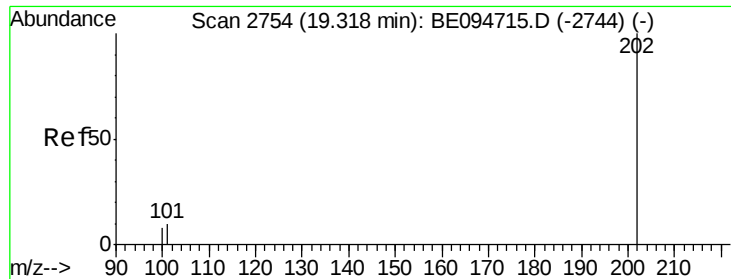
179 17.3 18.1 27.1#

176 18.7 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: 0.96 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

ClientSampleId :

B-20(3.5-4)-101817

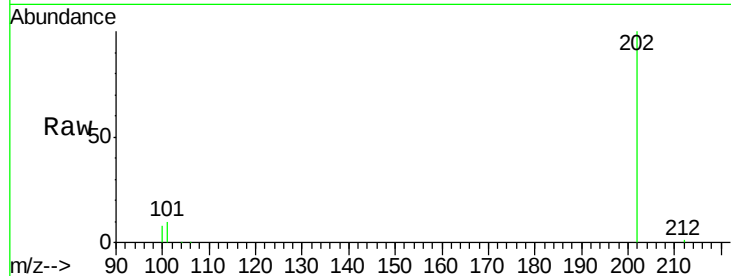
Tot Ion:202 Resp: 35940

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

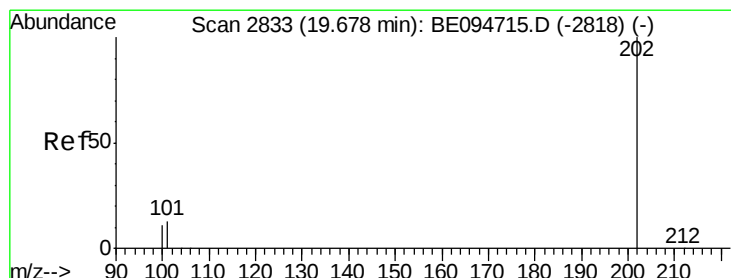
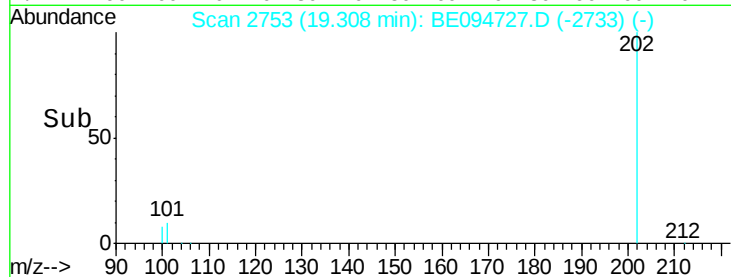
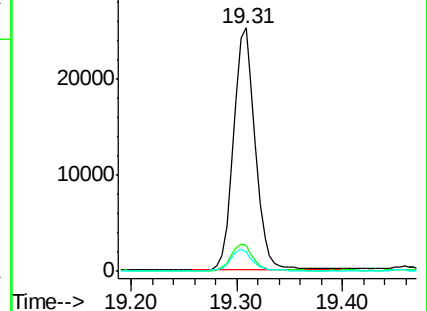
100 8.3 0.0 39.5



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: 0.81 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

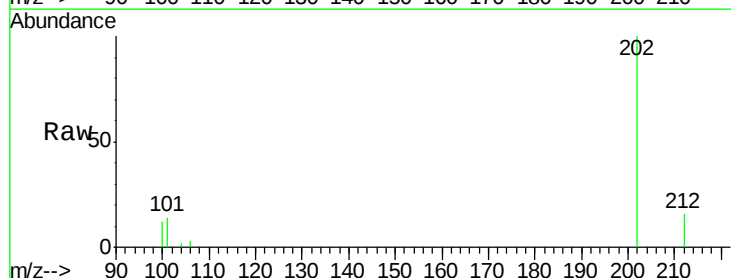
Tgt Ion:202 Resp: 31309

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

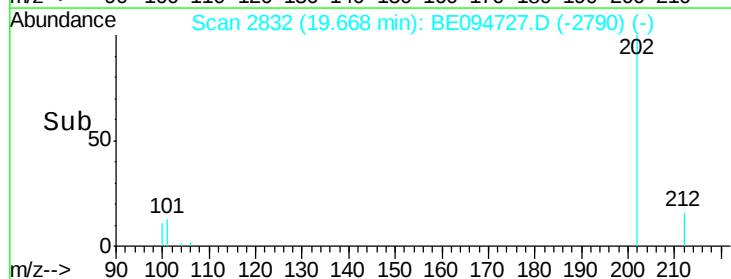
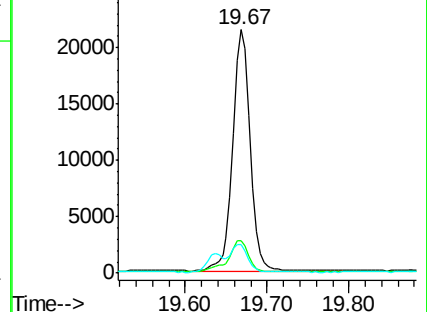
100 11.6 15.6 23.4#

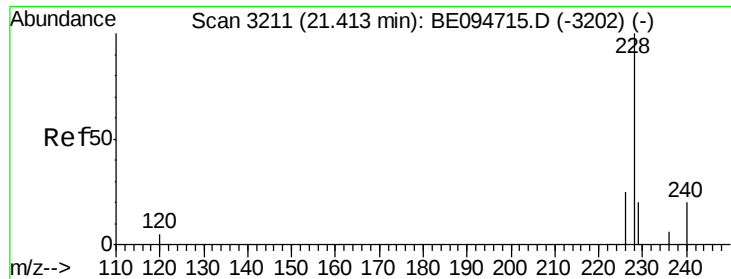


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

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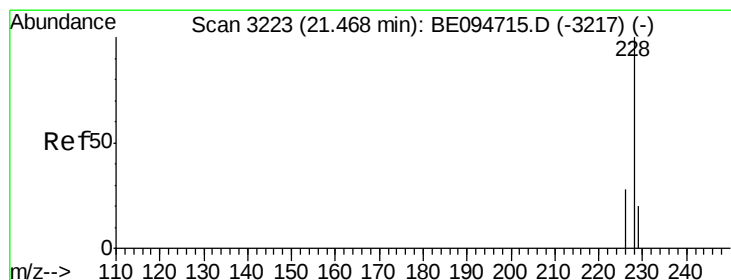
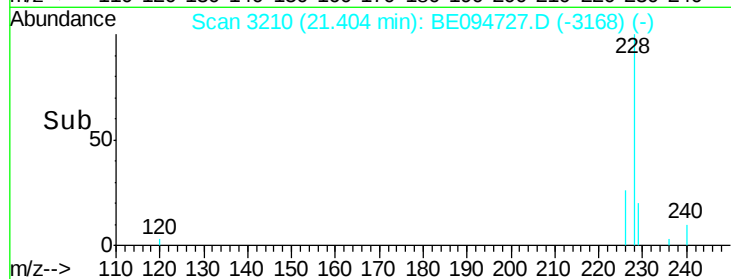
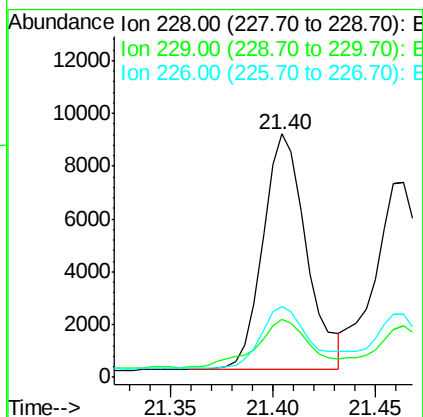
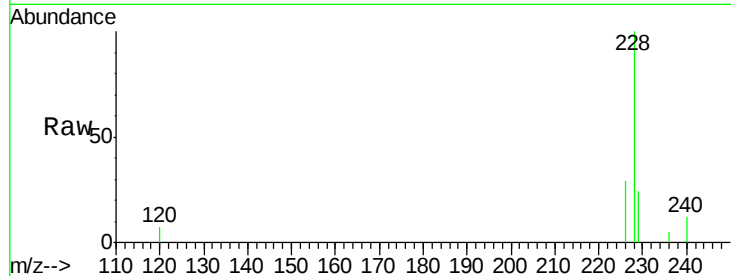
Tot Ion:228 Resp: 13241

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

226 29.2 17.0 25.6#



#19

Chrysene

Concen: 0.31 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

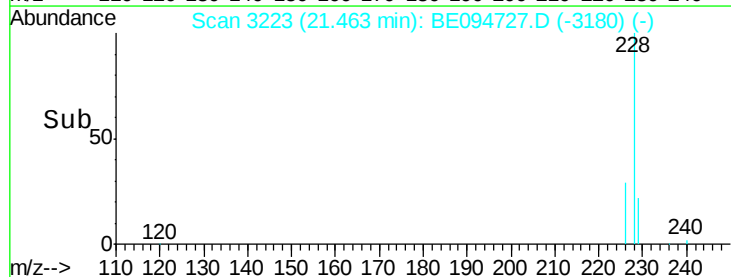
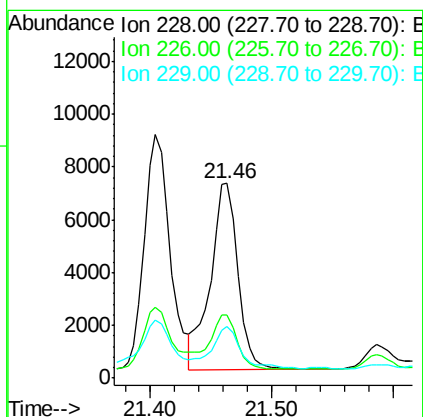
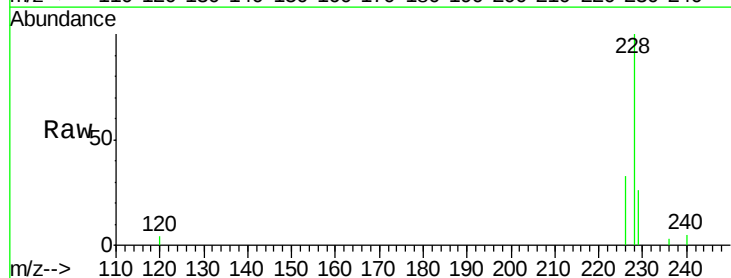
Tgt Ion:228 Resp: 11276

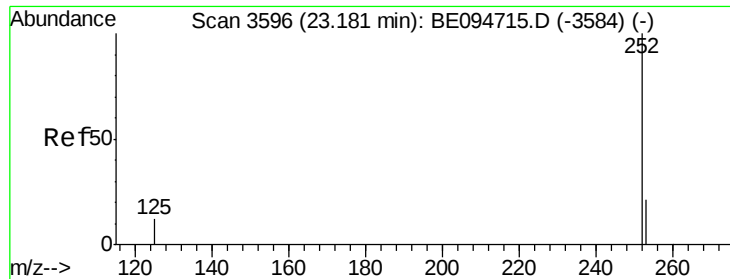
Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

229 26.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094727.D

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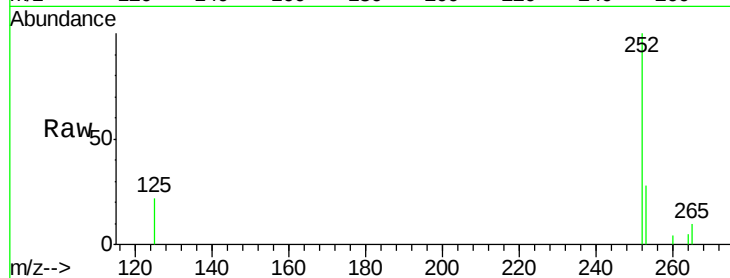
Tot Ion:252 Resp: 17273

Ion Ratio Lower Upper

252 100

253 28.4 0.0 64.2

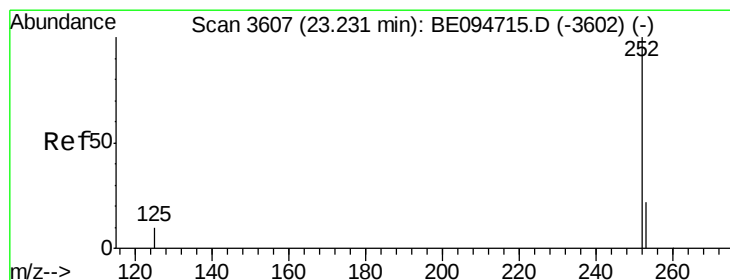
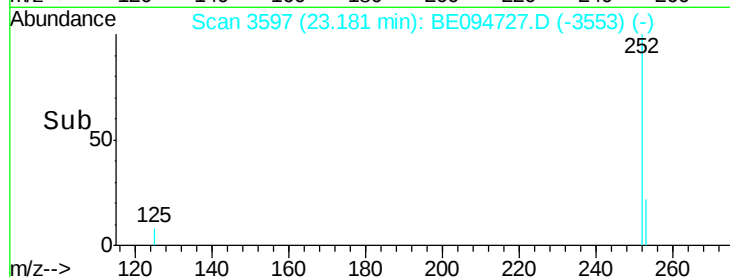
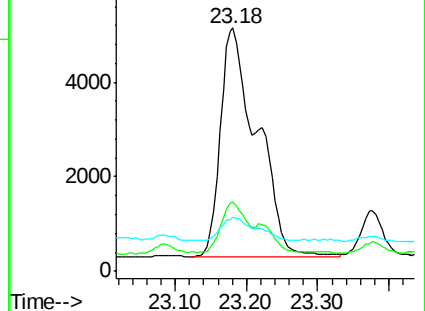
125 22.0 0.0 35.0



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: 0.42 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

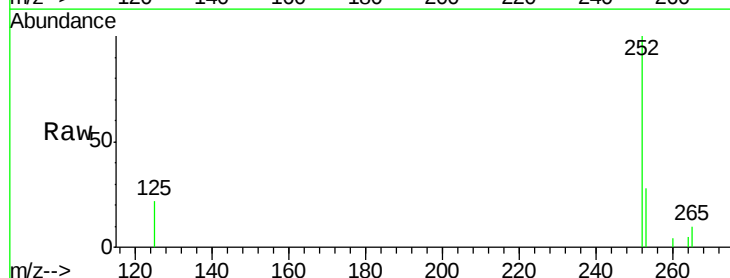
Tgt Ion:252 Resp: 17273

Ion Ratio Lower Upper

252 100

253 28.4 24.5 36.7

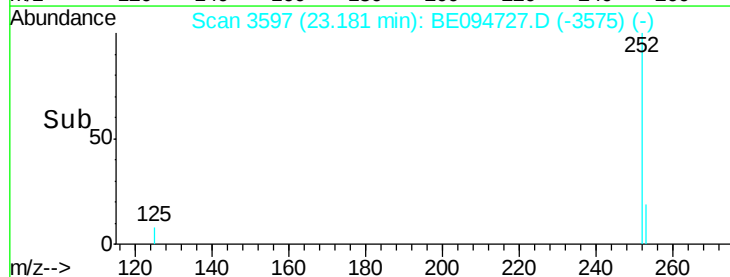
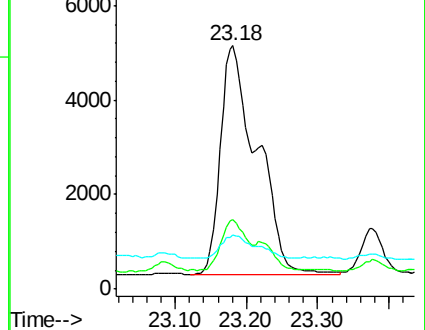
125 22.0 13.7 20.5#

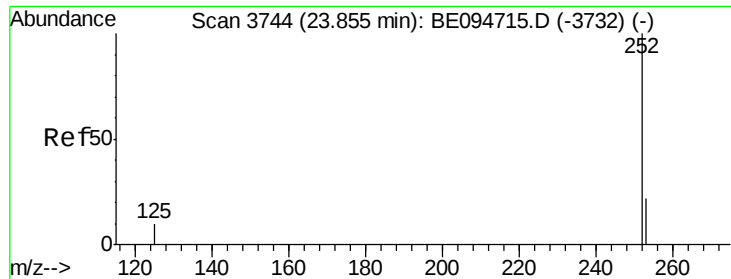


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.26 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

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B-20(3.5-4)-101817

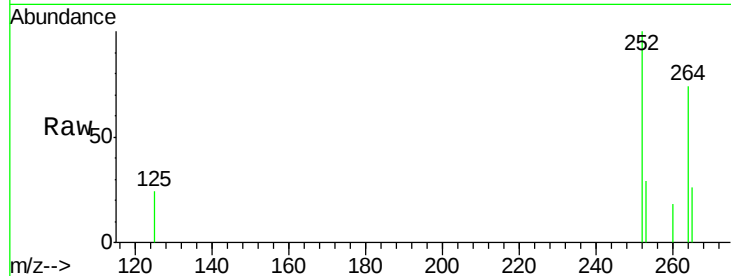
Tot Ion:252 Resp: 9946

Ion Ratio Lower Upper

252 100

253 29.5 28.5 42.7

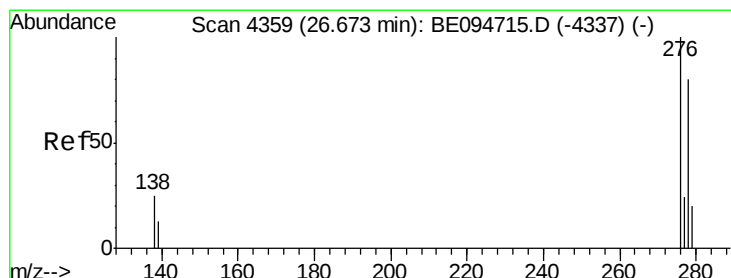
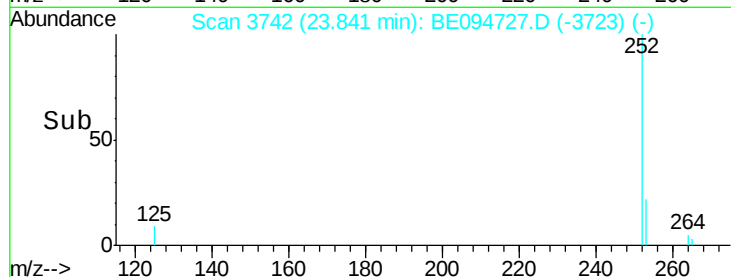
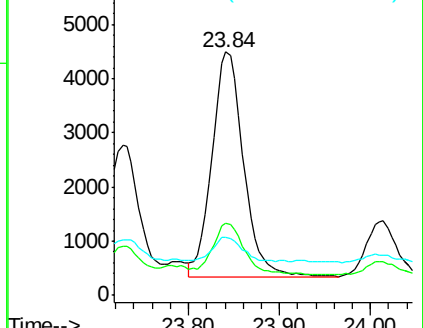
125 23.7 18.1 27.1



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: 0.15 ng/ul

RT: 26.66 min Scan# 4358

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

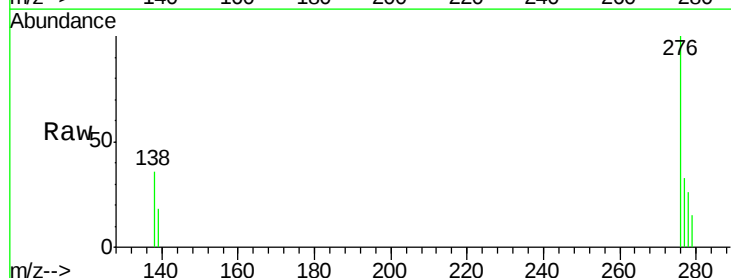
Tgt Ion:276 Resp: 5797

Ion Ratio Lower Upper

276 100

138 19.1 28.0 42.0#

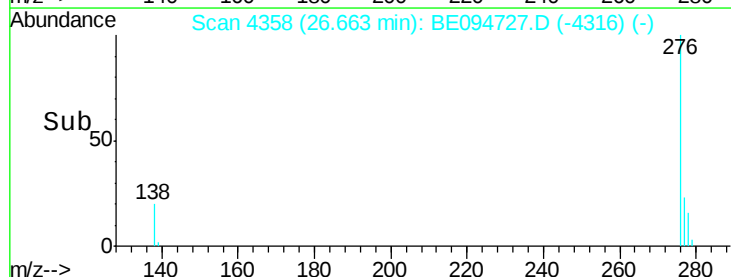
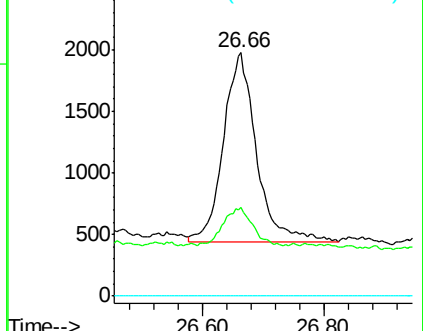
227 0.0 8.0 12.0#

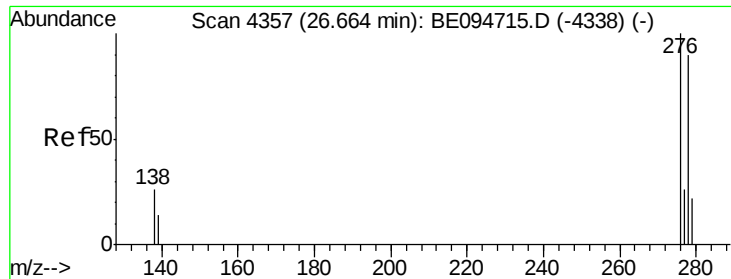


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

ClientSampleId :

B-20(3.5-4)-101817

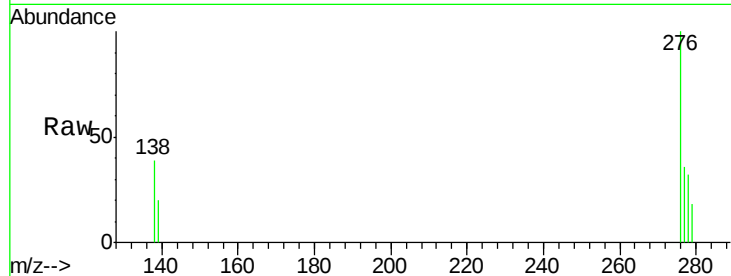
Tot Ion:278 Resp: 1165

Ion Ratio Lower Upper

278 100

139 64.7 17.4 26.0#

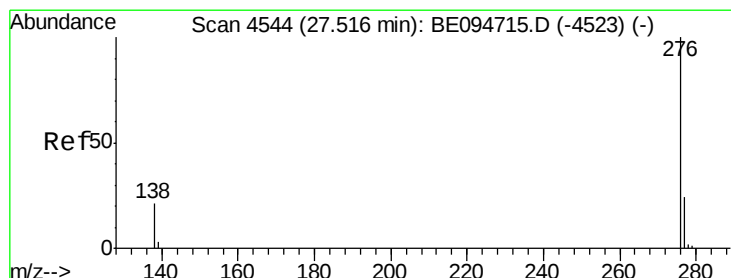
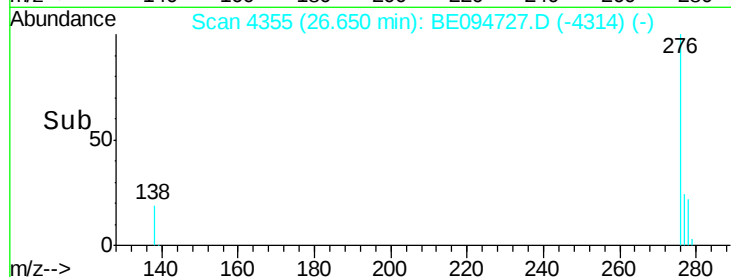
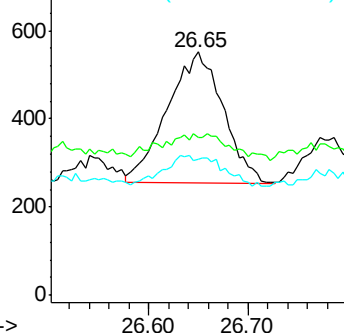
279 55.6 25.9 38.9#



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: 0.24 ng/ul

RT: 27.50 min Scan# 4542

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

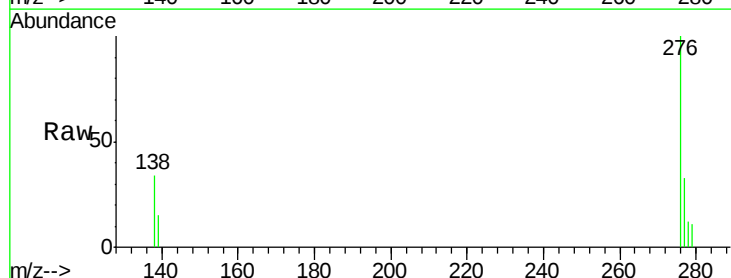
Tgt Ion:276 Resp: 7676

Ion Ratio Lower Upper

276 100

138 34.5 21.8 32.8#

277 33.0 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

