

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094598.D
 Acq On : 27 Oct 2017 16:26
 Operator : SJ/JU
 Sample : I5719-07 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-25(0.5-1.5)-100517

Quant Time: Oct 30 01:11:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 01:11:00 2017
 Response via : Initial Calibration

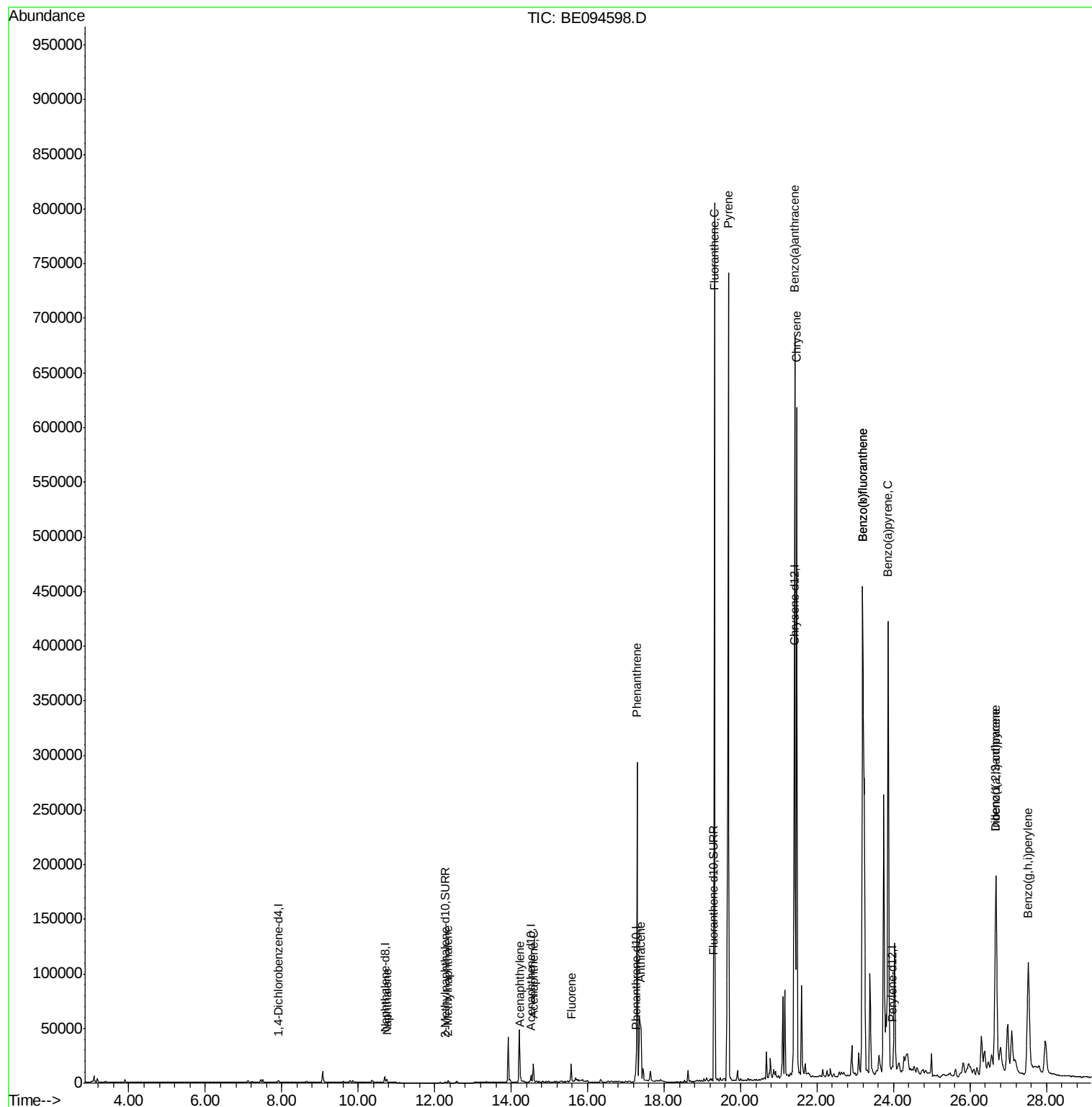
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1128	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6409	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3678	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8141	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	7910	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8961	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	498	0.05	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	1076	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4597	0.29	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	2312	0.21	ng/ul	97
7) Acenaphthylene	14.24	152	5214	0.31	ng/ul#	93
8) Acenaphthene	14.58	153	10213	0.85	ng/ul	97
9) Fluorene	15.57	166	10778	0.80	ng/ul	92
12) Phenanthrene	17.29	178	341535	15.88	ng/ul#	87
13) Anthracene	17.39	178	86585	4.08	ng/ul	92
15) Fluoranthene	19.32	202	935177	37.62	ng/ul	84
17) Pyrene	19.68	202	860431	35.19	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	656457	29.03	ng/ul#	87
19) Chrysene	21.47	228	598555	25.61	ng/ul	99
21) Benzo(b)fluoranthene	23.19	252	1195239	47.42	ng/ul	84
22) Benzo(k)fluoranthene	23.19	252	1195239	44.25	ng/ul#	86
23) Benzo(a)pyrene	23.86	252	676677	26.86	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.69	276	373949	14.34	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.67	278	94133	4.28	ng/ul	97
26) Benzo(a,h,i)perylene	27.53	276	307385	14.68	ng/ul	96

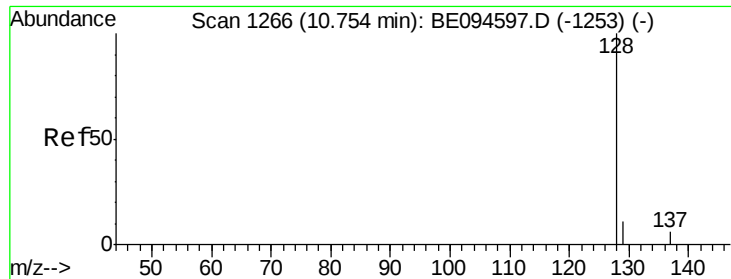
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.29 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

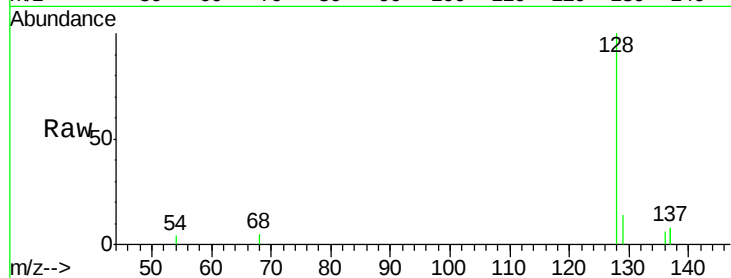
Tot Ion:128 Resp: 4597

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

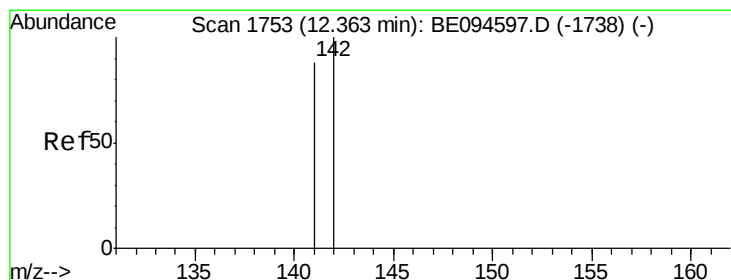
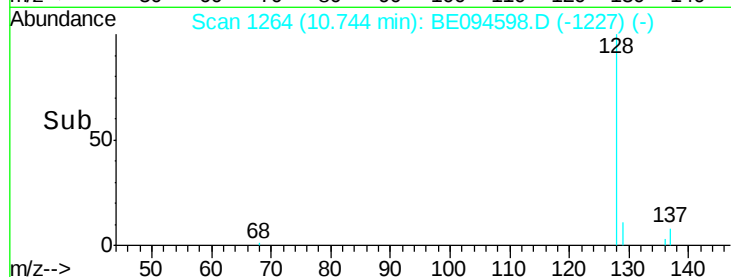
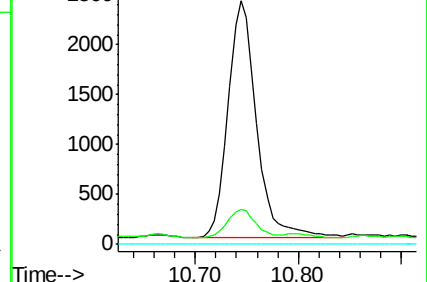
127 0.0 4.0 6.0#



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: 0.21 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094598.D

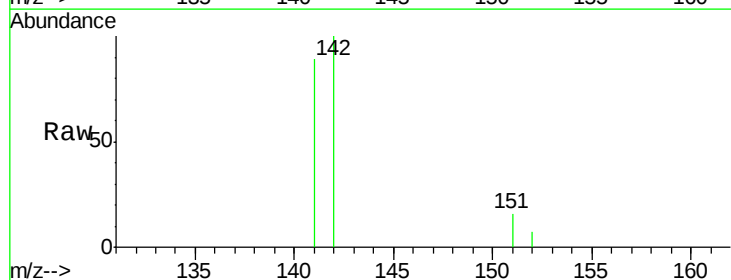
Acq: 27 Oct 2017 16:26

Tgt Ion:142 Resp: 2312

Ion Ratio Lower Upper

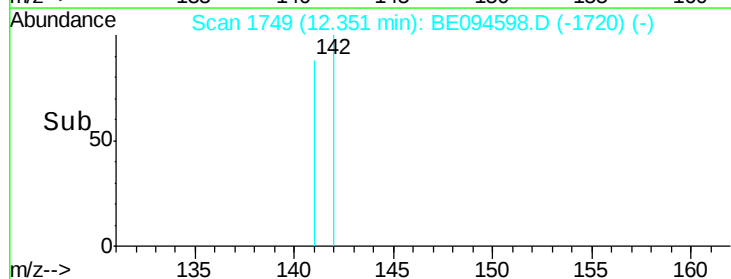
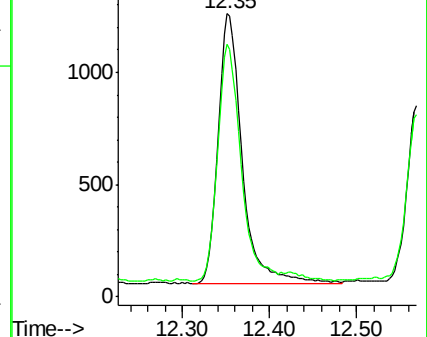
142 100

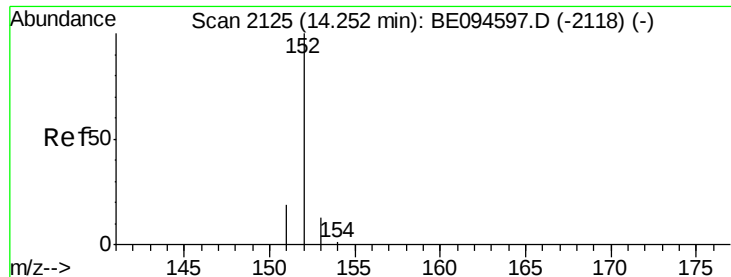
141 87.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.31 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

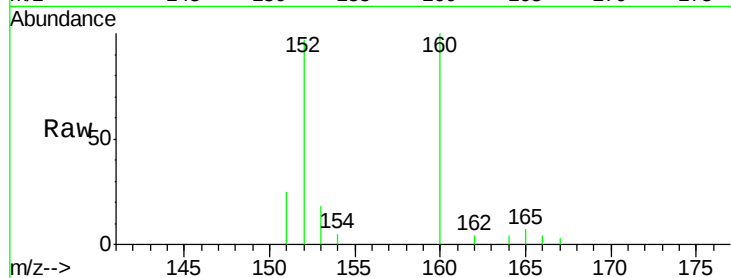
Tot Ion:152 Resp: 5214

Ion Ratio Lower Upper

152 100

151 25.7 17.1 25.7#

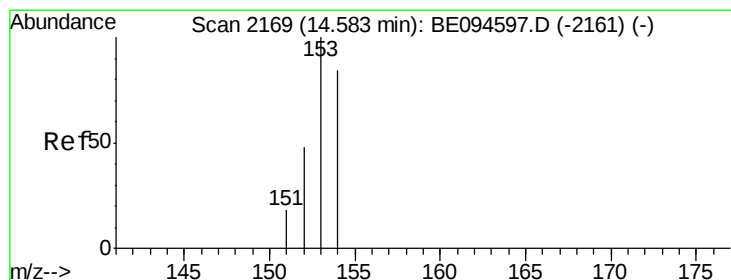
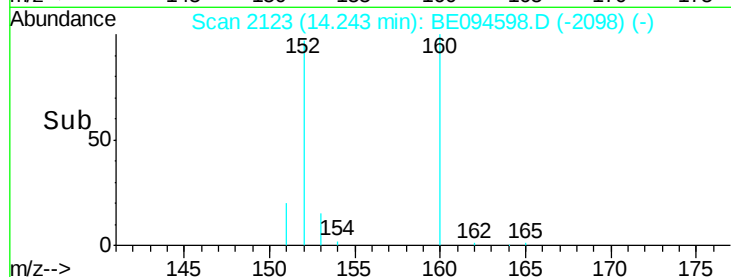
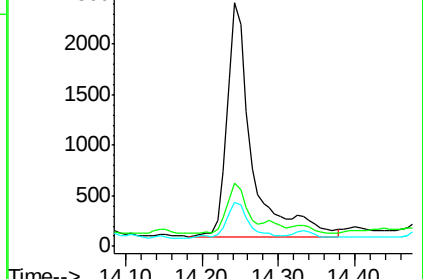
153 18.1 12.8 19.2



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: 0.85 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

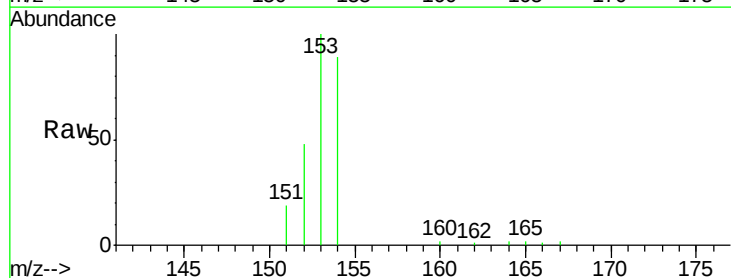
Tgt Ion:153 Resp: 10213

Ion Ratio Lower Upper

153 100

152 47.9 36.0 54.0

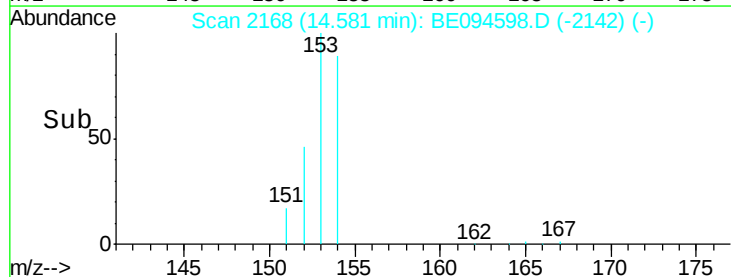
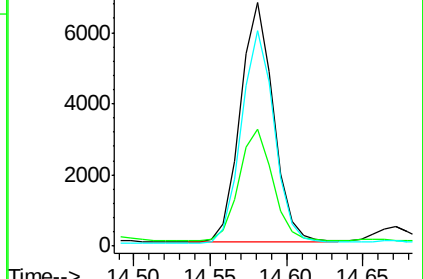
154 88.5 72.0 108.0

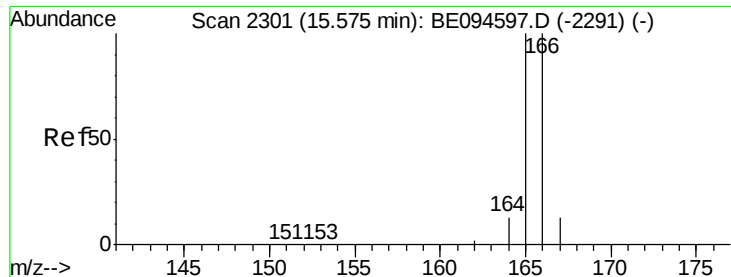


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.80 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

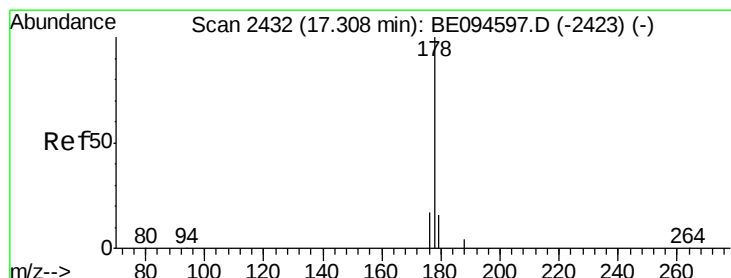
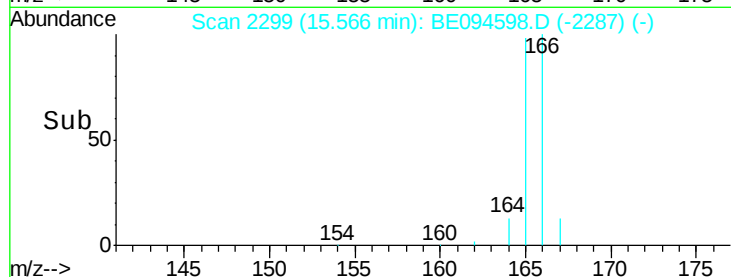
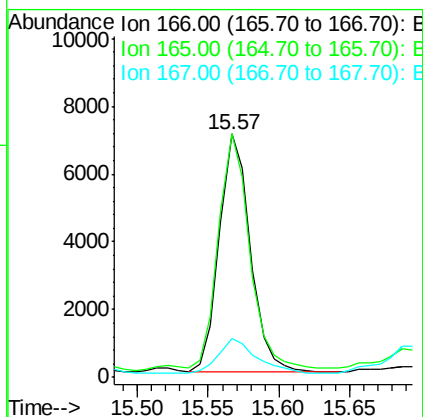
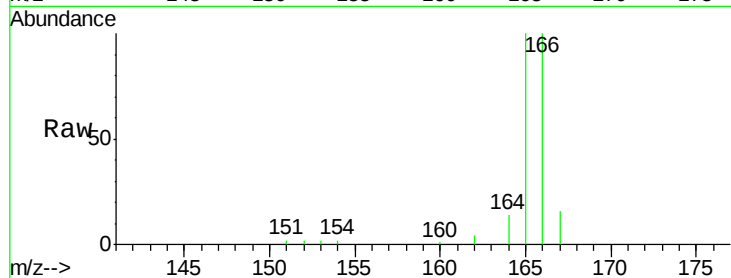
Tot Ion:166 Resp: 10778

Ion Ratio Lower Upper

166 100

165 100.0 73.4 110.2

167 15.9 14.6 22.0



#12

Phenanthrene

Concen: 15.88 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

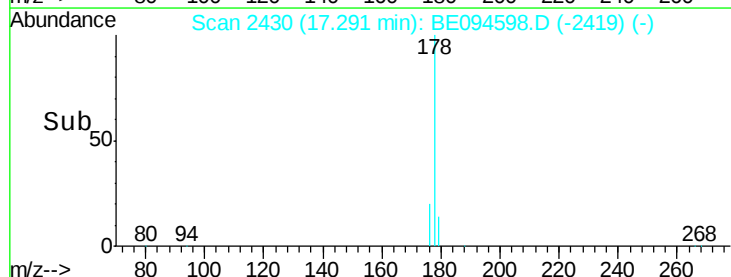
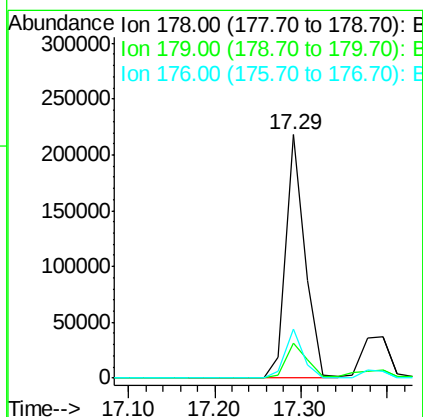
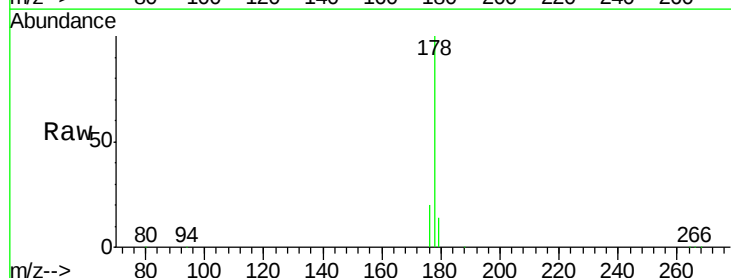
Tgt Ion:178 Resp: 341535

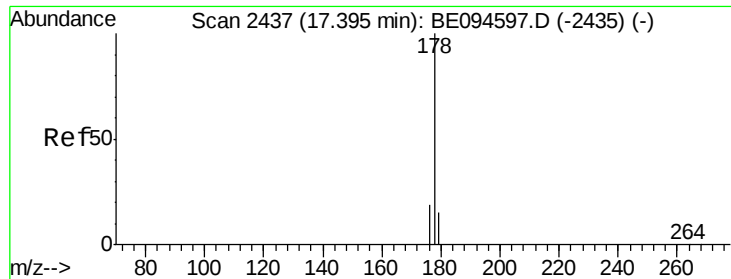
Ion Ratio Lower Upper

178 100

179 14.4 18.4 27.6#

176 20.0 13.6 20.4





#13

Anthracene

Concen: 4.08 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

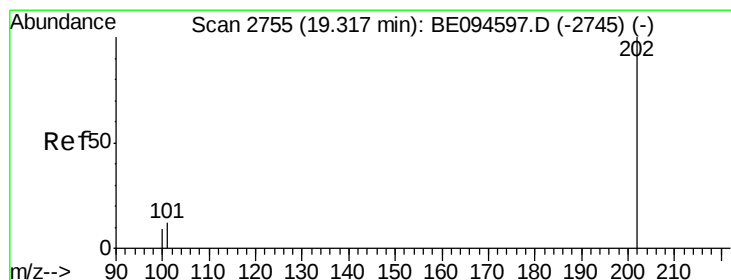
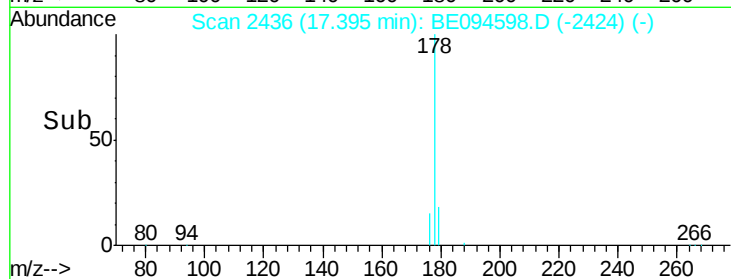
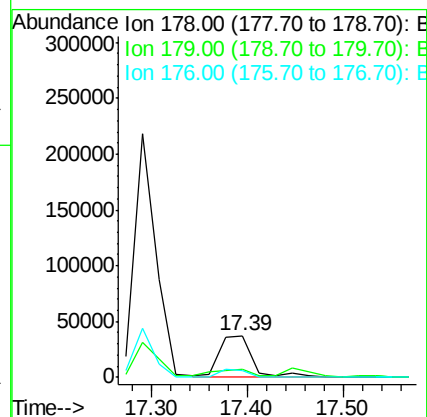
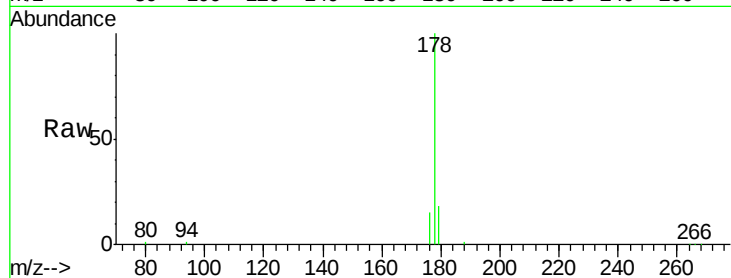
Tot Ion:178 Resp: 86585

Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

176 15.2 14.7 22.1



#15

Fluoranthene

Concen: 37.62 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

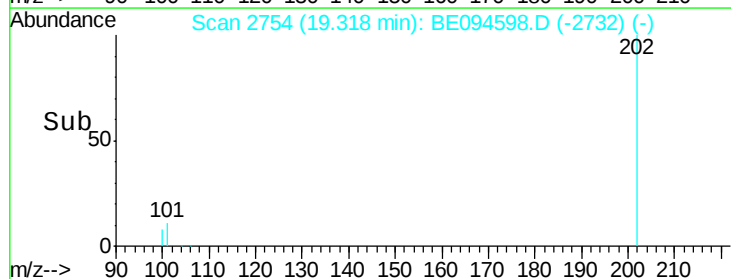
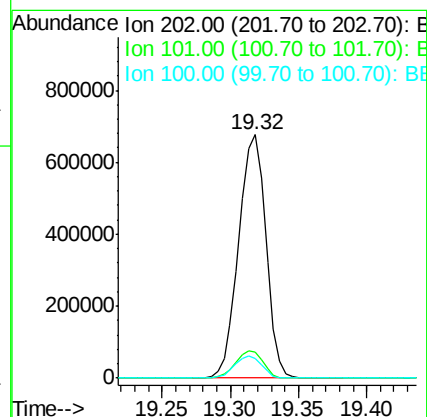
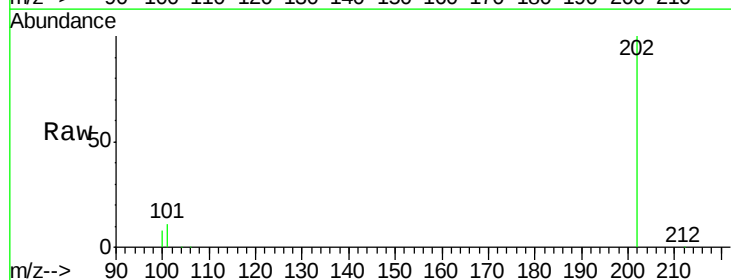
Tgt Ion:202 Resp: 935177

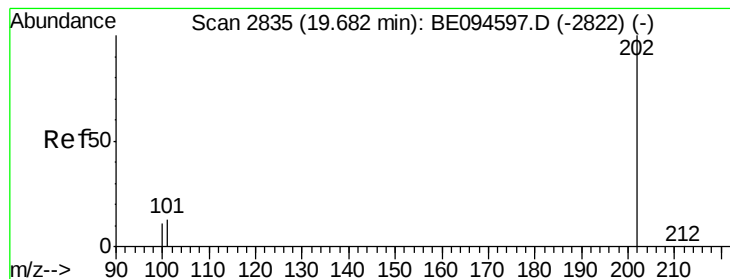
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

100 8.3 0.0 39.5





#17

Pvrene

Concen: 35.19 ng/ul

RT: 19.68 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

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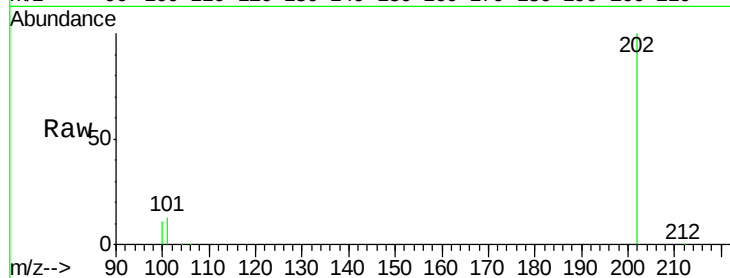
Tot Ion:202 Resp: 860431

Ion Ratio Lower Upper

202 100

101 13.2 18.2 27.4#

100 11.3 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

19.68

600000

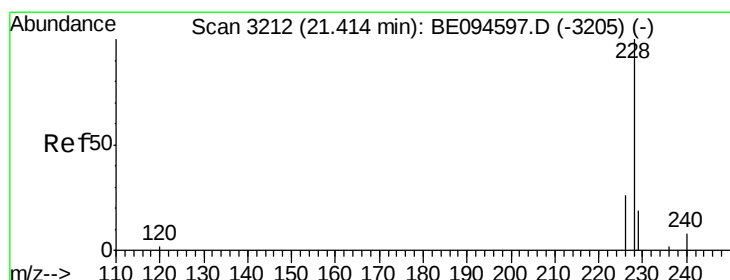
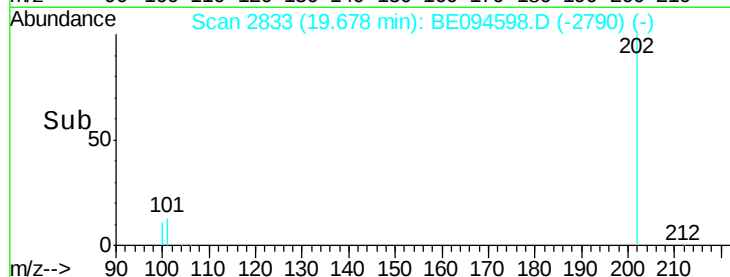
400000

200000

0

19.60 19.70 19.80

Time-->



#18

Benzo(a)anthracene

Concen: 29.03 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

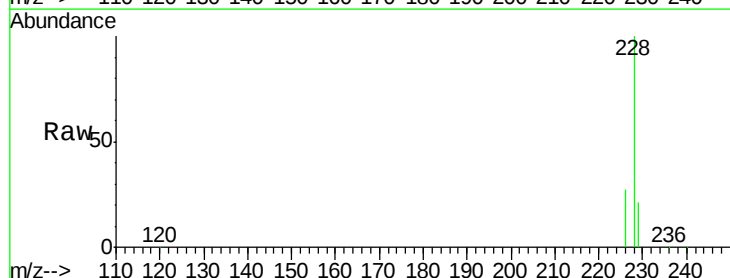
Tgt Ion:228 Resp: 656457

Ion Ratio Lower Upper

228 100

229 20.8 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

21.41

600000

500000

400000

300000

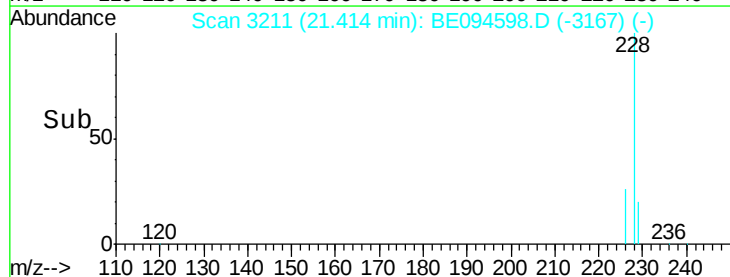
200000

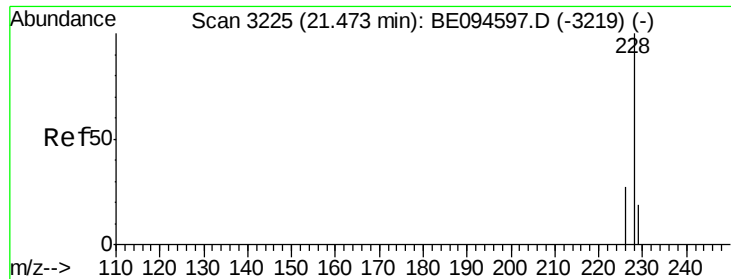
100000

0

21.30 21.35 21.40 21.45

Time-->





#19

Chrysene

Concen: 25.61 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094598.D

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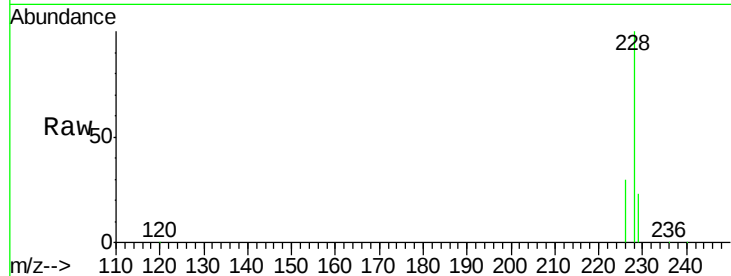
Tot Ion:228 Resp: 598555

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

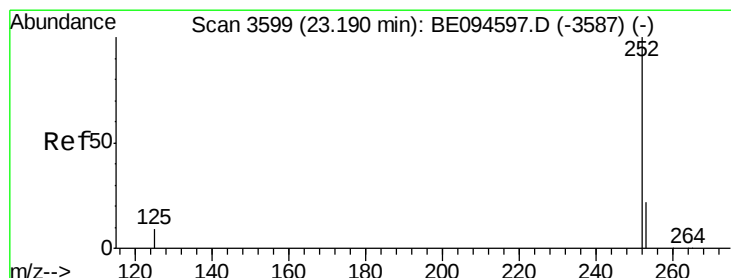
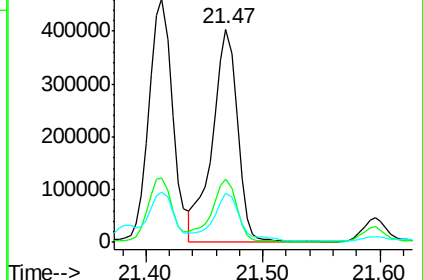
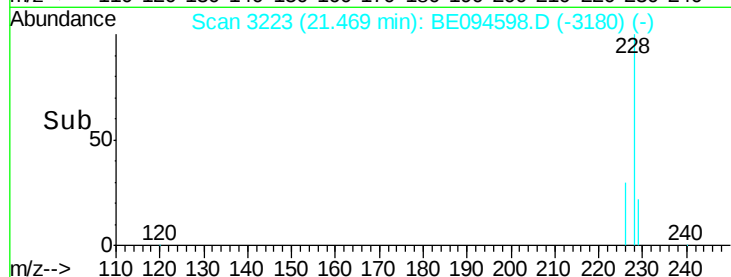
229 22.9 17.7 26.5



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: 47.42 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

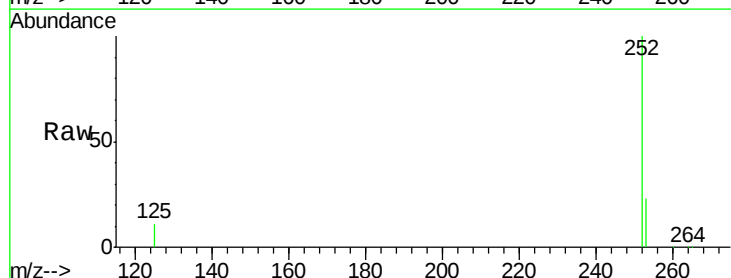
Tgt Ion:252 Resp: 1195239

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

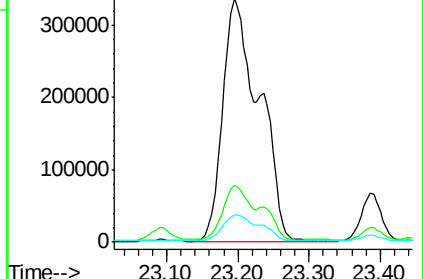
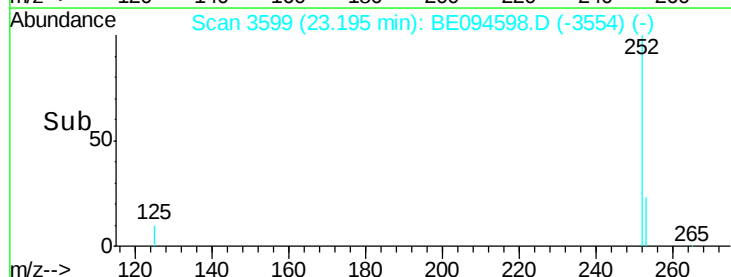
125 11.1 0.0 35.0

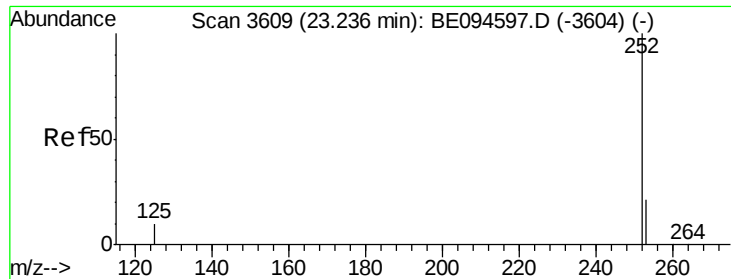


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 44.25 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.04 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

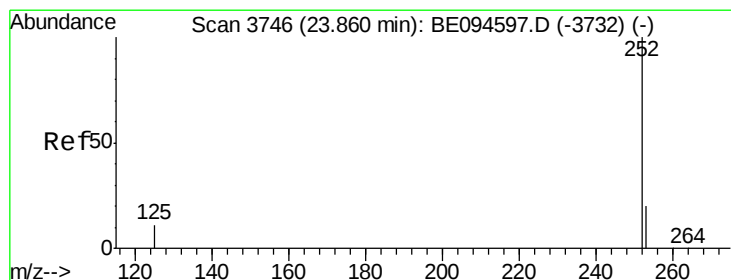
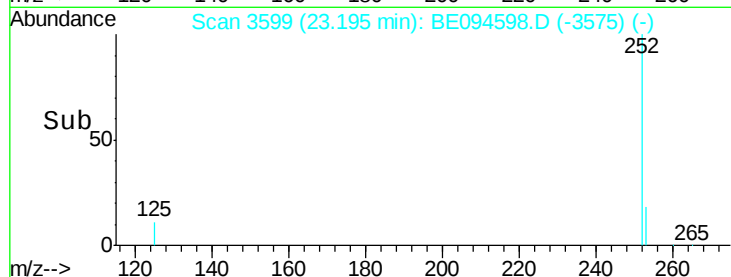
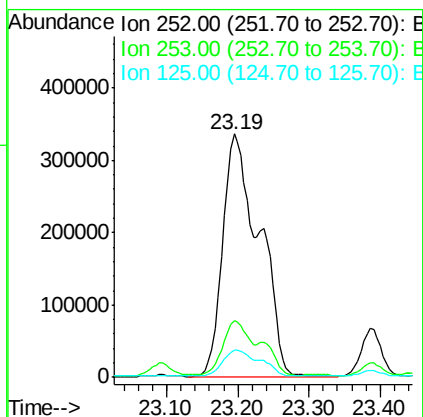
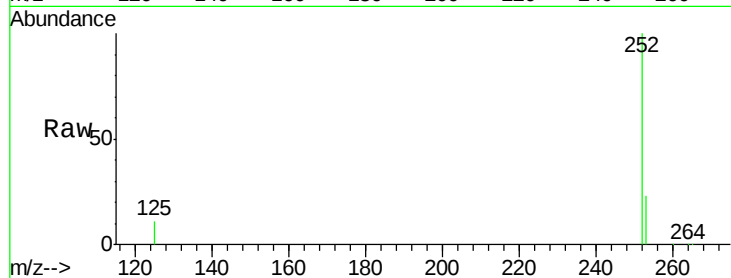
Tot Ion:252 Resp: 1195239

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

125 11.1 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 26.86 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

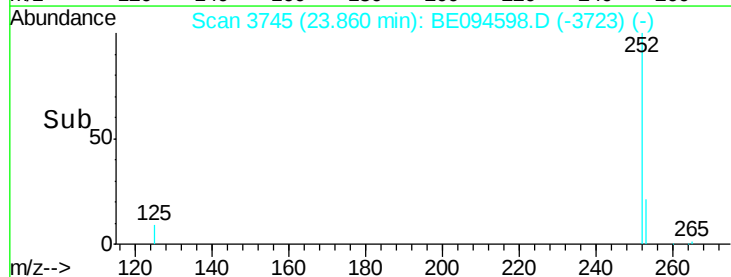
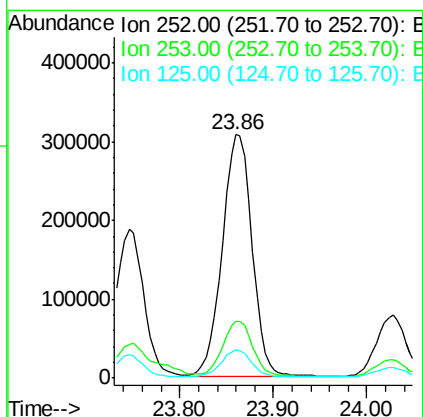
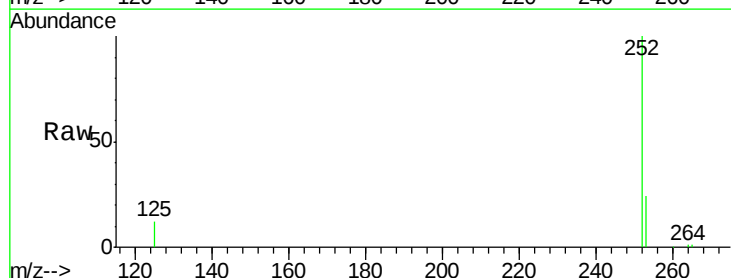
Tgt Ion:252 Resp: 676677

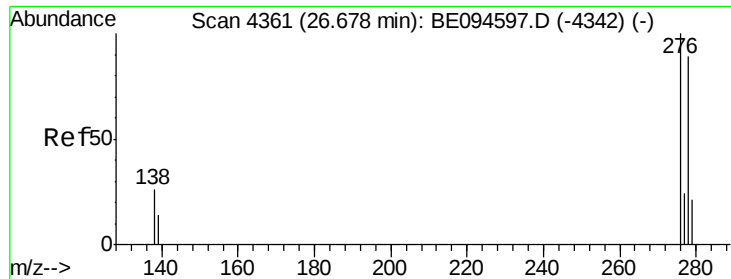
Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

125 11.7 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 14.34 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517

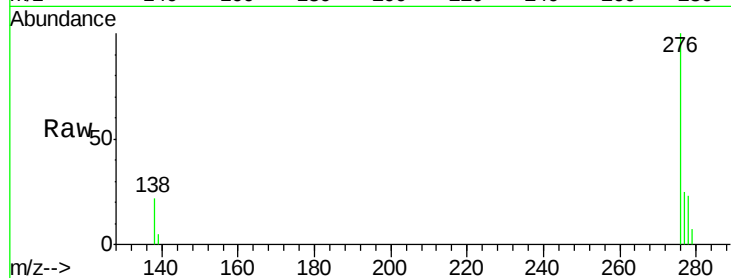
Tot Ion:276 Resp: 373949

Ion Ratio Lower Upper

276 100

138 19.9 28.0 42.0#

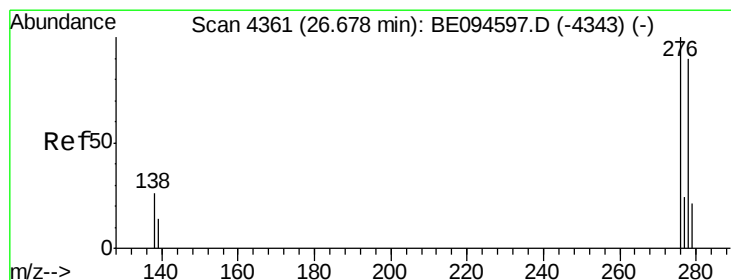
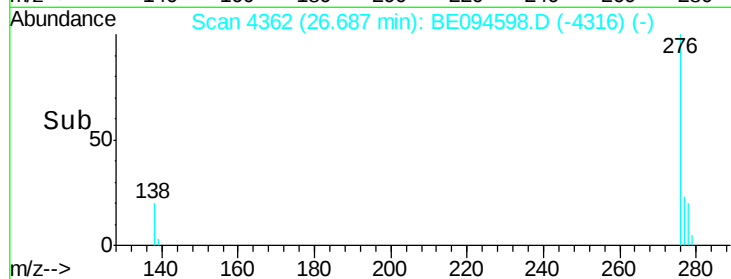
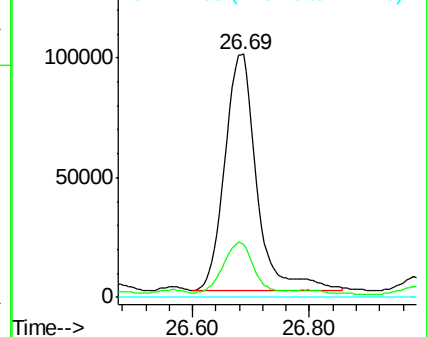
227 0.0 8.0 12.0#



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: 4.28 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. -0.00 min

Lab File: BE094598.D

Acq: 27 Oct 2017 16:26

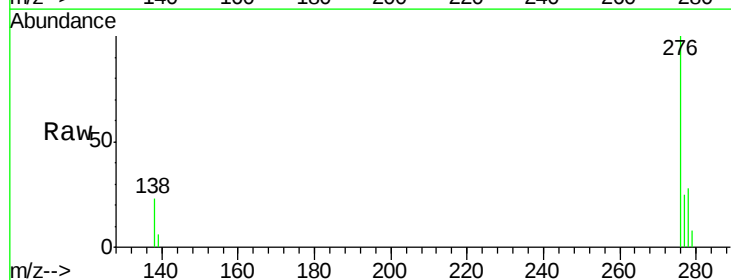
Tgt Ion:278 Resp: 94133

Ion Ratio Lower Upper

278 100

139 20.5 17.4 26.0

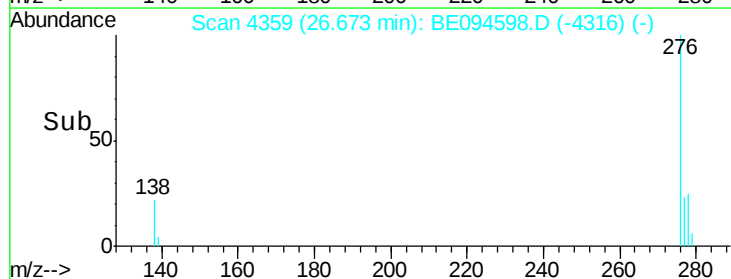
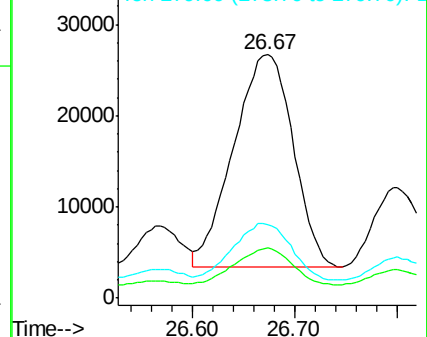
279 30.4 25.9 38.9

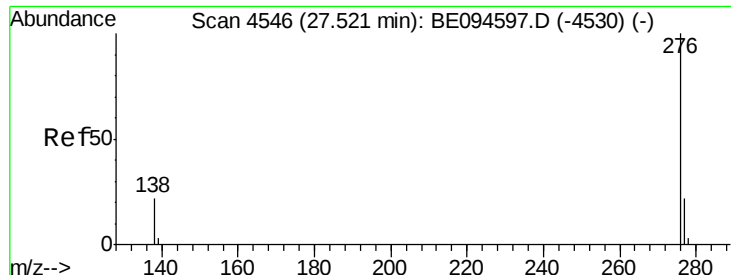


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 14.68 ng/ul

RT: 27.53 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE094598.D

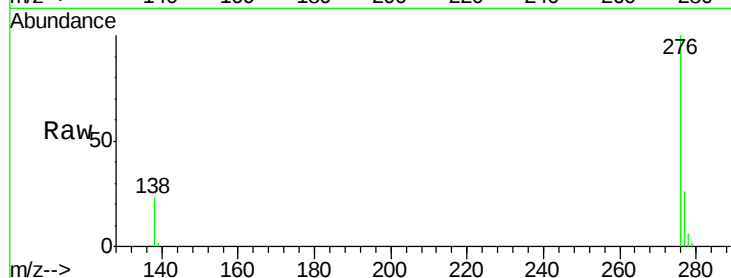
Acq: 27 Oct 2017 16:26

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517



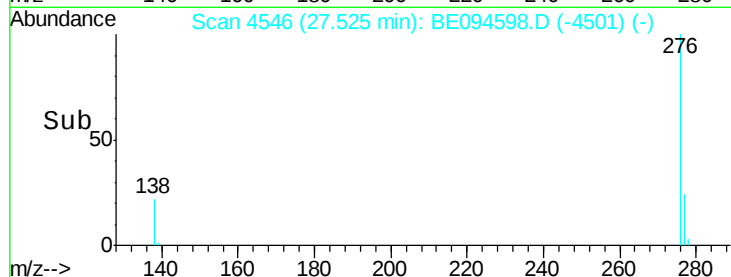
Tot Ion:276 Resp: 307385

Ion Ratio Lower Upper

276 100

138 23.1 21.8 32.8

277 25.5 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

