

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094619.D
 Acq On : 28 Oct 2017 12:51
 Operator : SJ/JU
 Sample : I5842-03DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA3DL

Quant Time: Oct 30 02:57:50 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 02:53:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1400	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8163	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4634	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10554	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10622	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10825	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	616	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1547	0.05	ng/ul	0.00

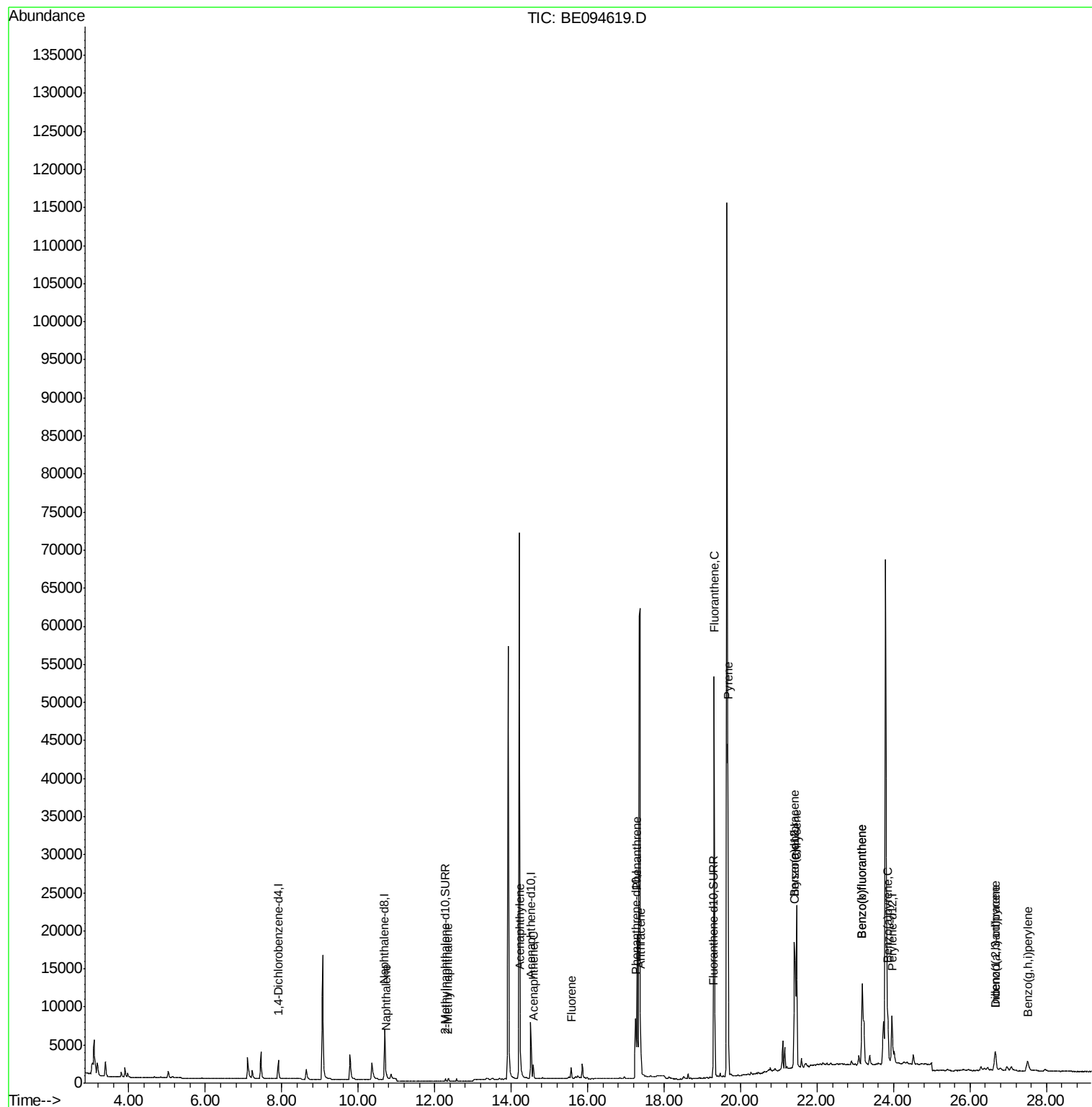
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	727	0.04	ng/ul#	78
5) 2-Methylnaphthalene	12.35	142	426	0.03	ng/ul	98
7) Acenaphthylene	14.24	152	791	0.04	ng/ul#	82
8) Acenaphthene	14.58	153	1143	0.08	ng/ul	95
9) Fluorene	15.57	166	1022	0.06	ng/ul	92
12) Phenanthrene	17.29	178	21183	0.76	ng/ul#	89
13) Anthracene	17.38	178	4109	0.15	ng/ul#	93
15) Fluoranthene	19.31	202	60496	1.88	ng/ul	84
17) Pyrene	19.67	202	47188	1.44	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	14359	0.47	ng/ul#	88
19) Chrysene	21.46	228	25281	0.81	ng/ul	97
21) Benzo(b)fluoranthene	23.18	252	26853	0.88	ng/ul	94
22) Benzo(k)fluoranthene	23.18	252	26847	0.82	ng/ul	95
23) Benzo(a)pyrene	23.85	252	9160	0.30	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	26.66	276	5308	0.17	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.66	278	1374	0.05	ng/ul#	31
26) Benzo(a,h,i)perylene	27.51	276	3966	0.16	ng/ul#	70

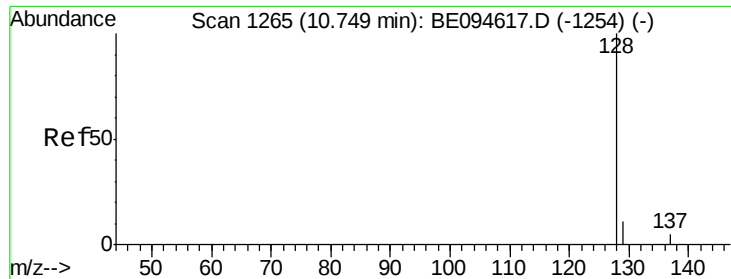
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

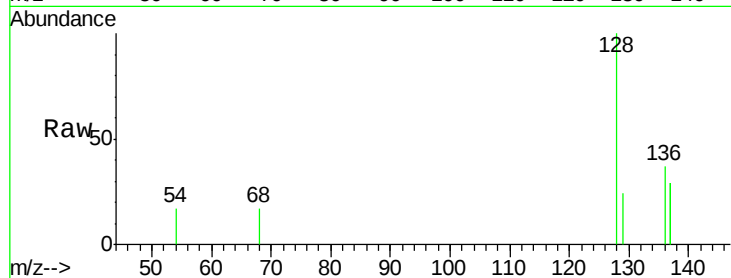
Tot Ion:128 Resp: 727

Ion Ratio Lower Upper

128 100

129 24.2 11.3 16.9#

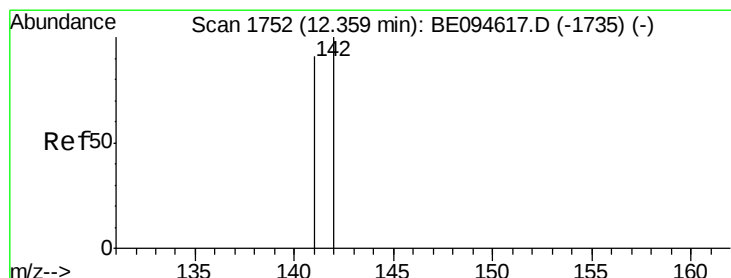
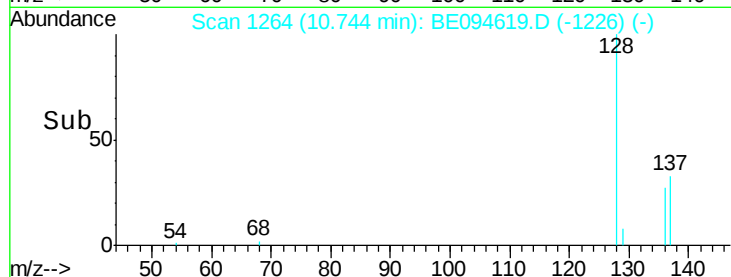
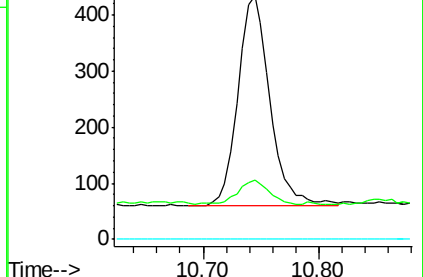
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094619.D

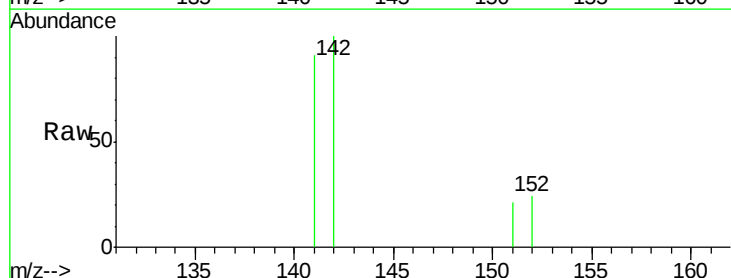
Acq: 28 Oct 2017 12:51

Tgt Ion:142 Resp: 426

Ion Ratio Lower Upper

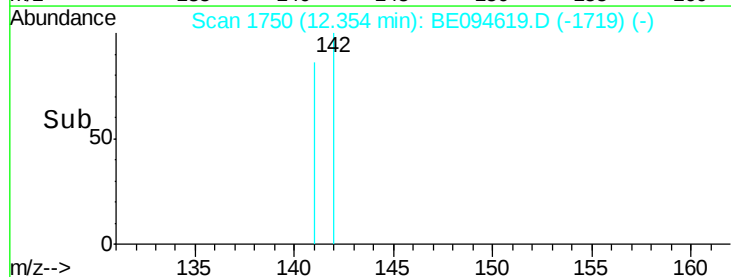
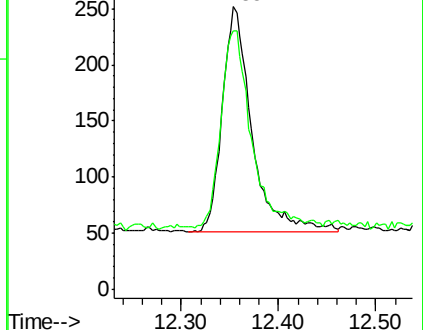
142 100

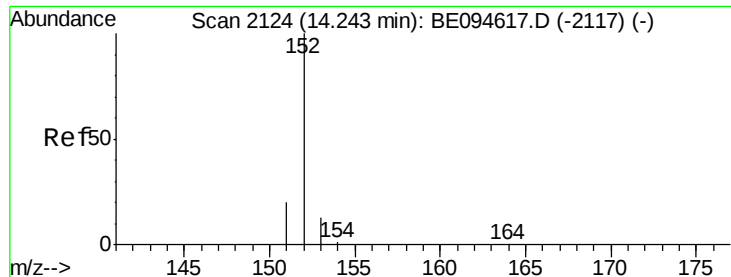
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

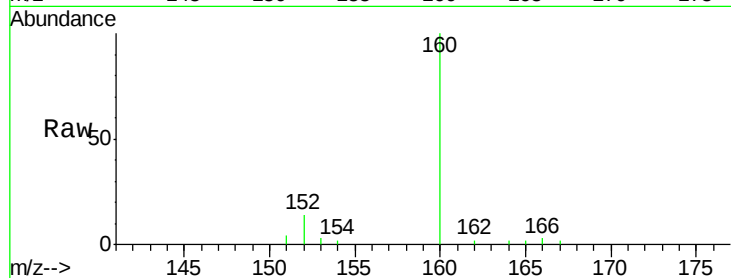
Tot Ion:152 Resp: 791

Ion Ratio Lower Upper

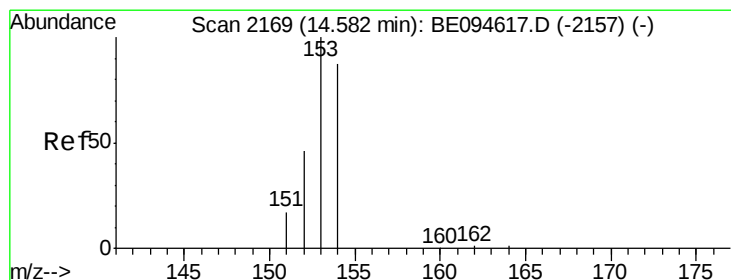
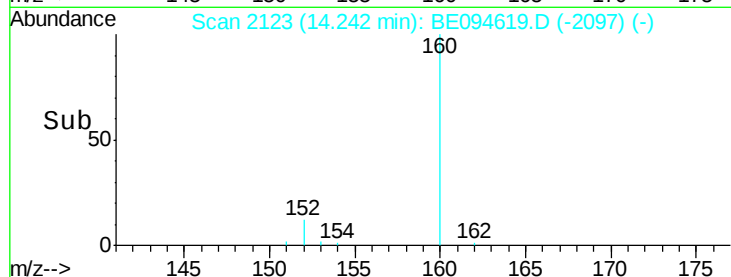
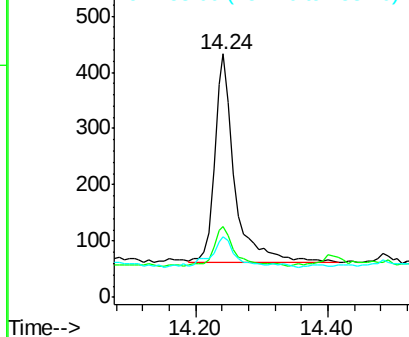
152 100

151 29.3 17.1 25.7#

153 24.7 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: 0.08 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

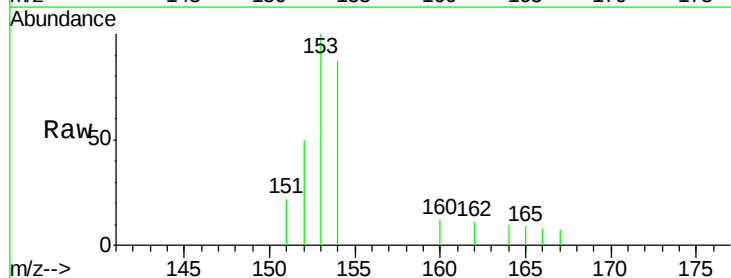
Tgt Ion:153 Resp: 1143

Ion Ratio Lower Upper

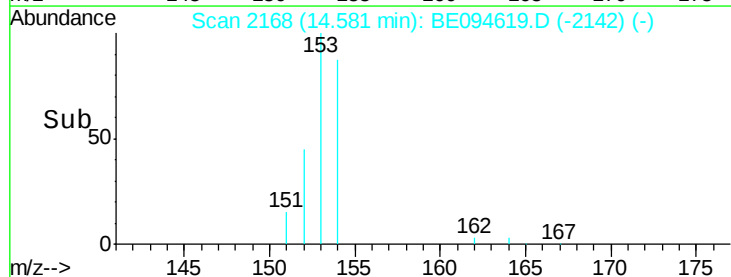
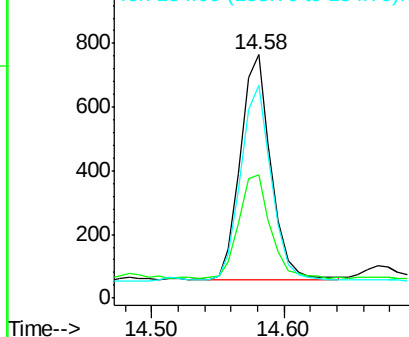
153 100

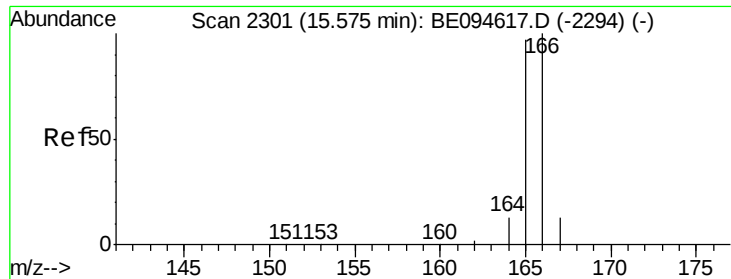
152 50.5 36.0 54.0

154 87.3 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: 0.06 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

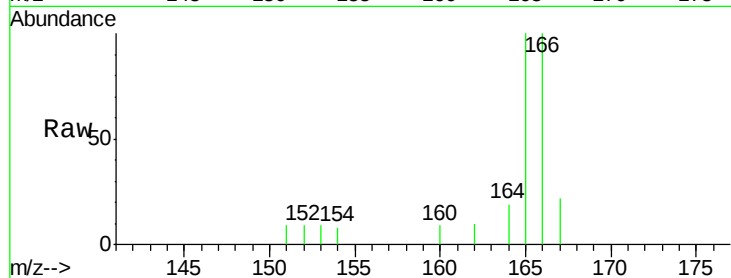
Tot Ion:166 Resp: 1022

Ion Ratio Lower Upper

166 100

165 99.7 73.4 110.2

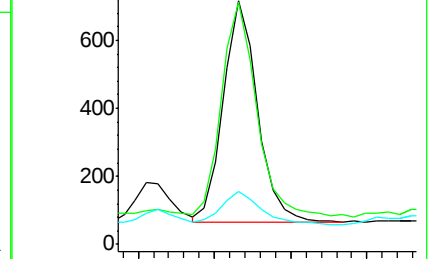
167 21.9 14.6 22.0



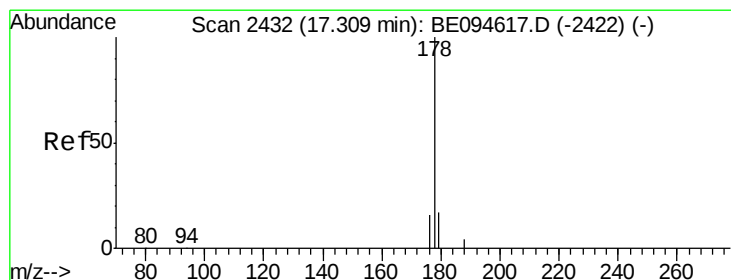
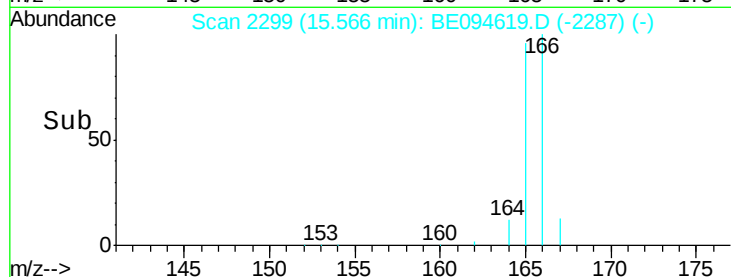
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.76 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

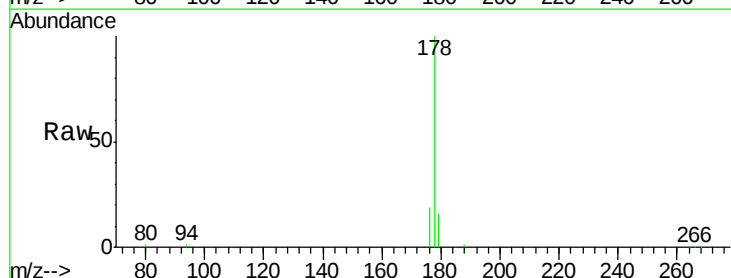
Tgt Ion:178 Resp: 21183

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

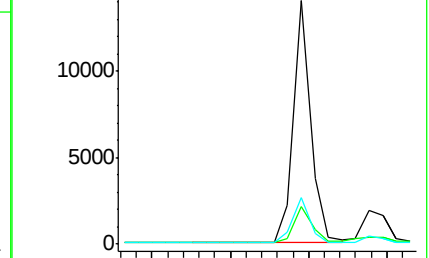
176 18.9 13.6 20.4



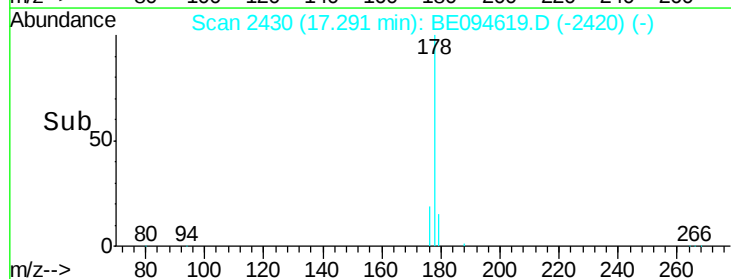
Abundance Ion 178.00 (177.70 to 178.70): E

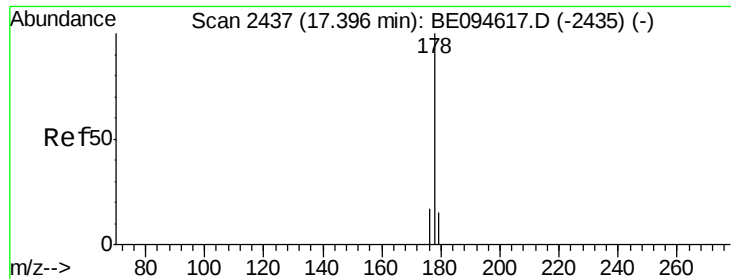
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.15 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

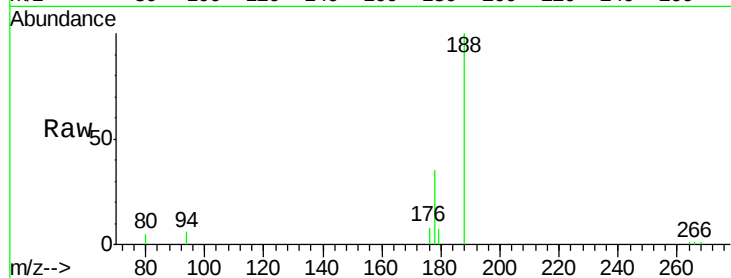
Tot Ion:178 Resp: 4109

Ion Ratio Lower Upper

178 100

179 20.2 18.1 27.1

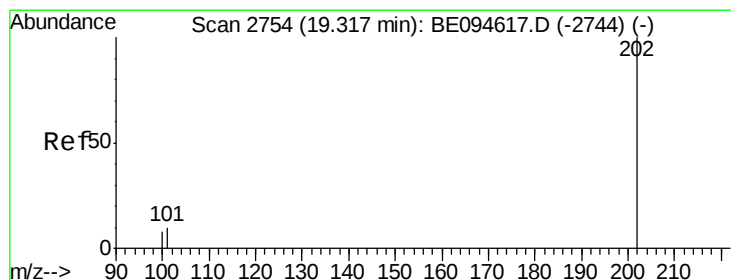
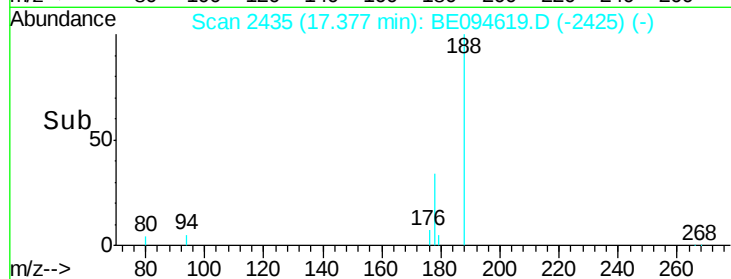
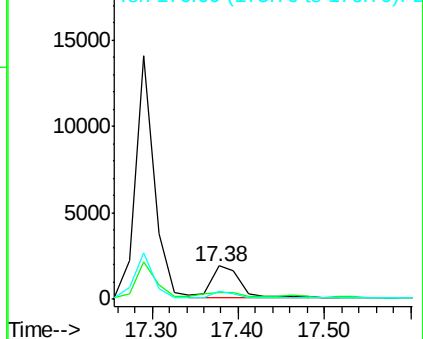
176 23.1 14.7 22.1#



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: 1.88 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

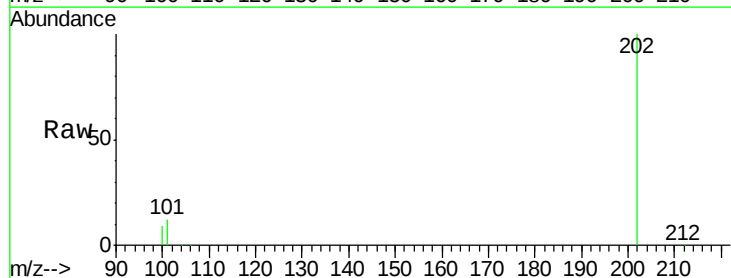
Tgt Ion:202 Resp: 60496

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

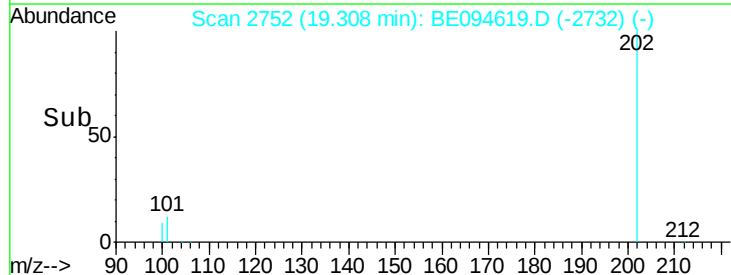
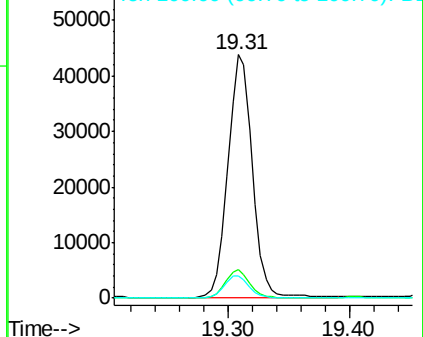
100 9.3 0.0 39.5

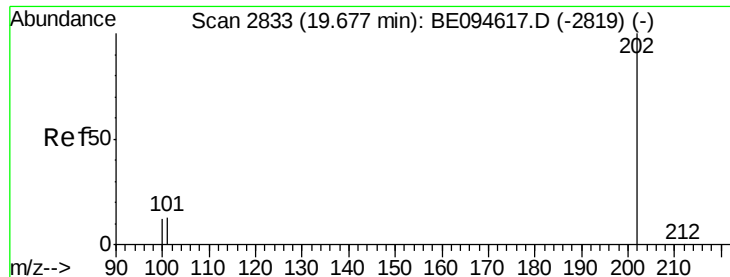


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.44 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

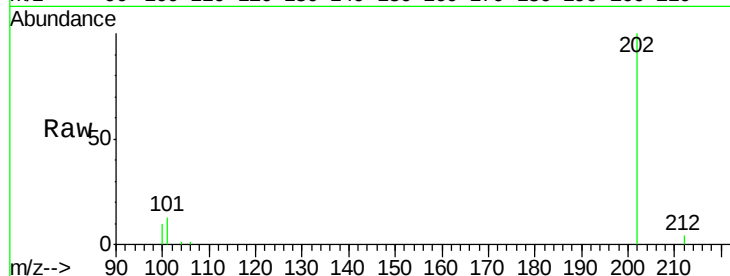
Tot Ion:202 Resp: 47188

Ion Ratio Lower Upper

202 100

101 12.5 18.2 27.4#

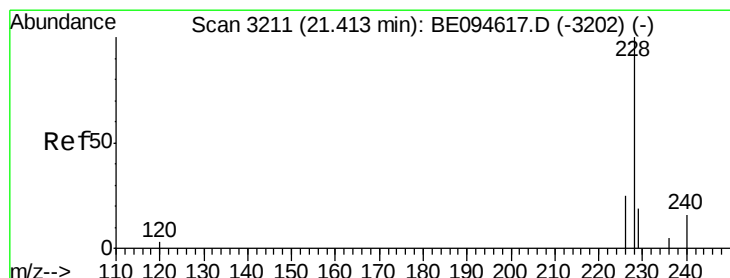
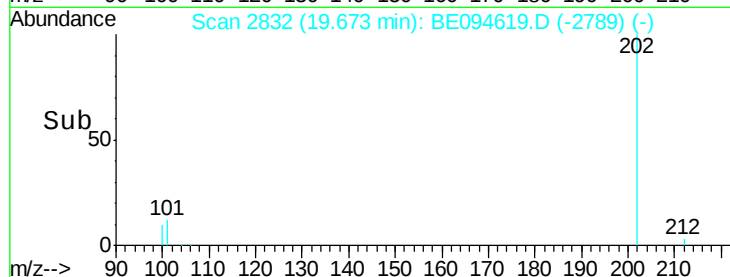
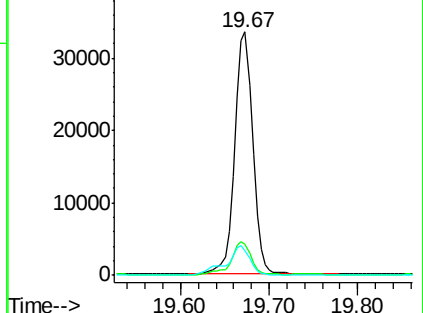
100 10.4 15.6 23.4#



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: 0.47 ng/ul

RT: 21.41 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

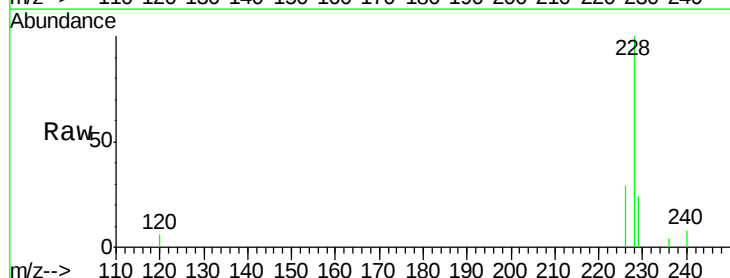
Tgt Ion:228 Resp: 14359

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

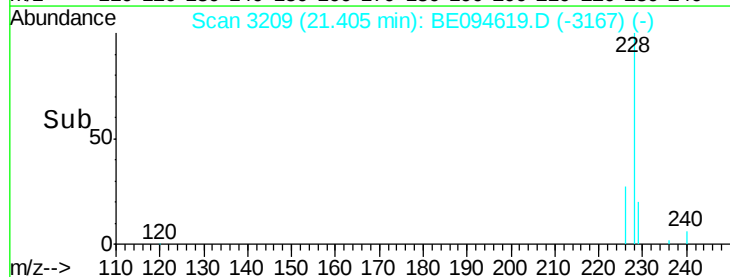
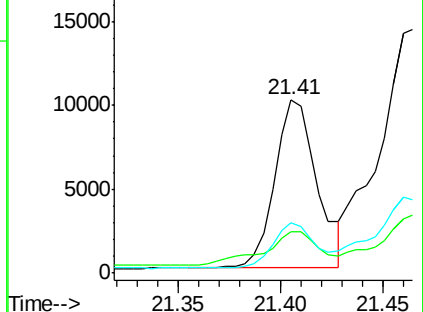
226 29.1 17.0 25.6#

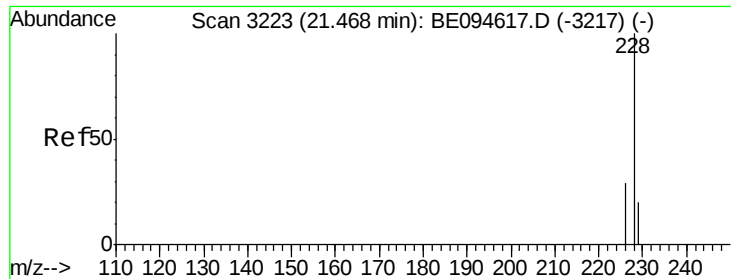


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.81 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

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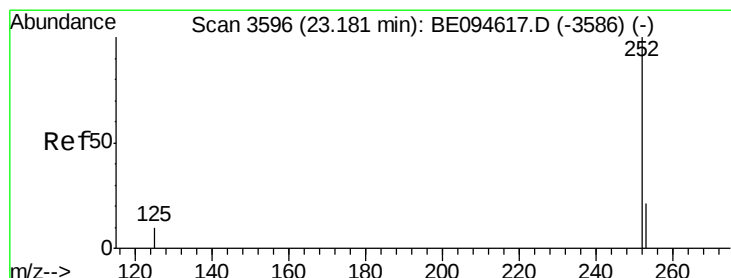
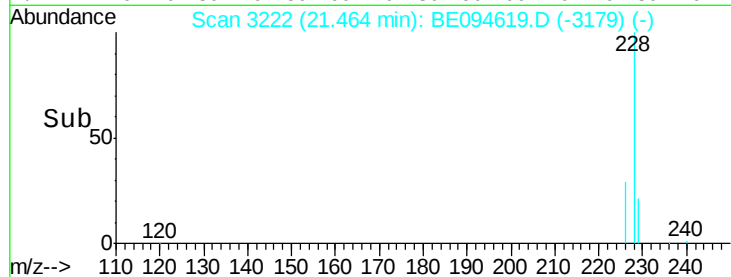
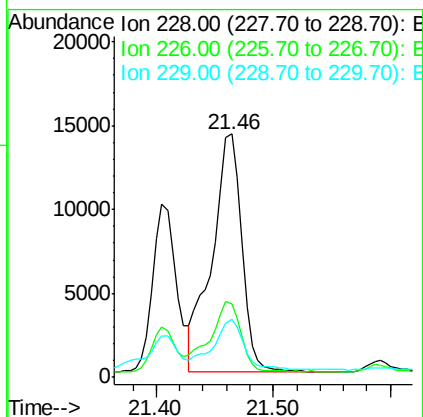
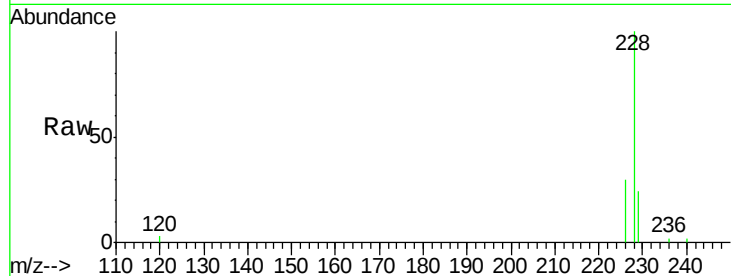
Tot Ion:228 Resp: 25281

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 23.6 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.88 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

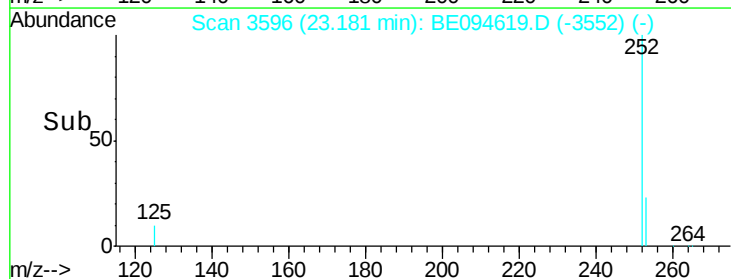
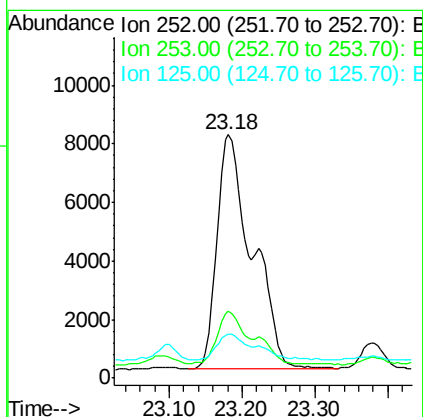
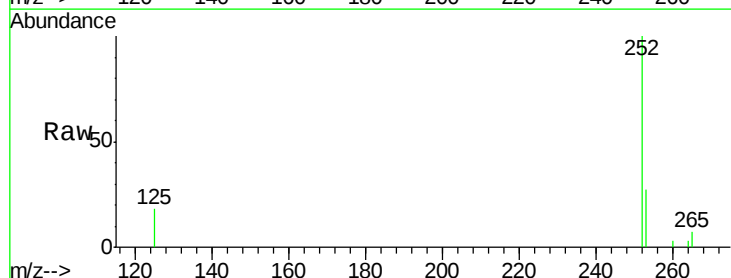
Tgt Ion:252 Resp: 26853

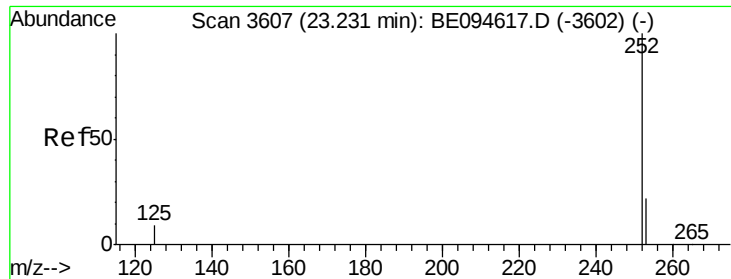
Ion Ratio Lower Upper

252 100

253 27.3 0.0 64.2

125 18.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.82 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampled :

C0AA3DL

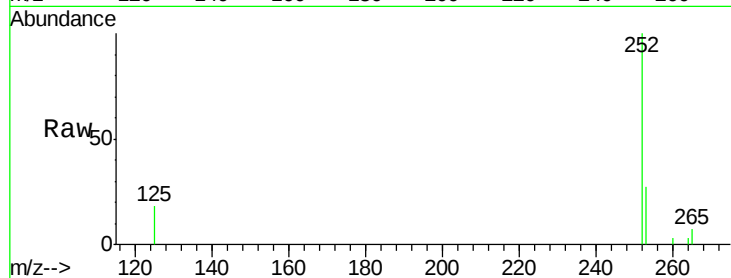
Tot Ion:252 Resp: 26847

Ion Ratio Lower Upper

252 100

253 27.3 24.5 36.7

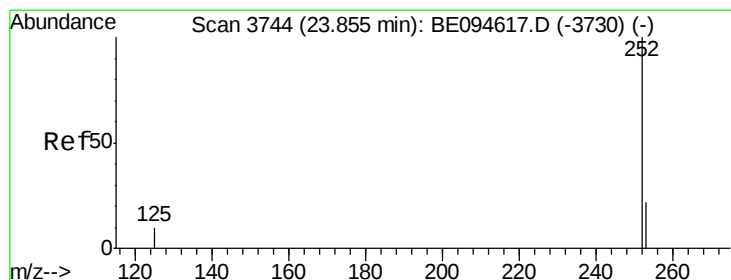
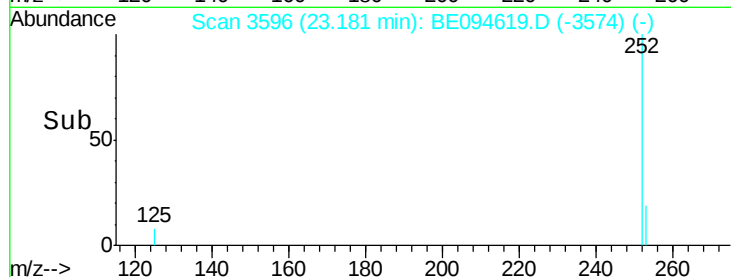
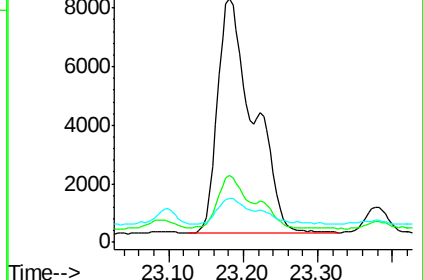
125 18.0 13.7 20.5



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: 0.30 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

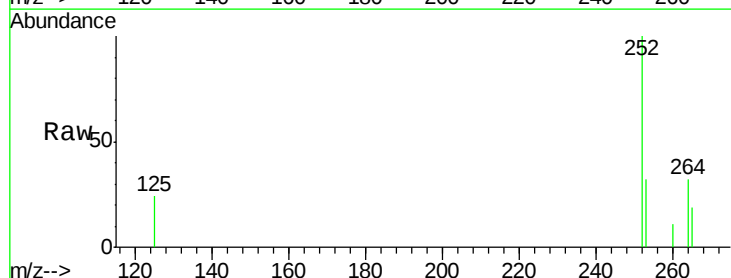
Tgt Ion:252 Resp: 9160

Ion Ratio Lower Upper

252 100

253 31.5 28.5 42.7

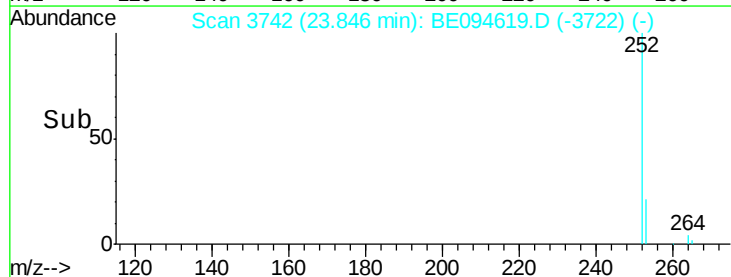
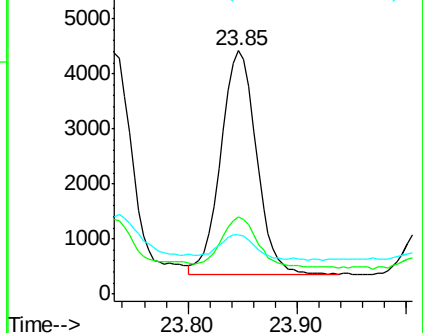
125 24.5 18.1 27.1

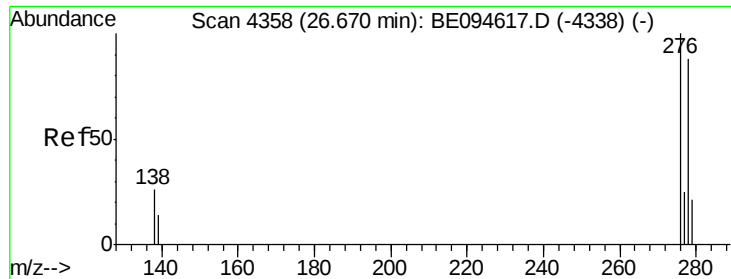


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.17 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

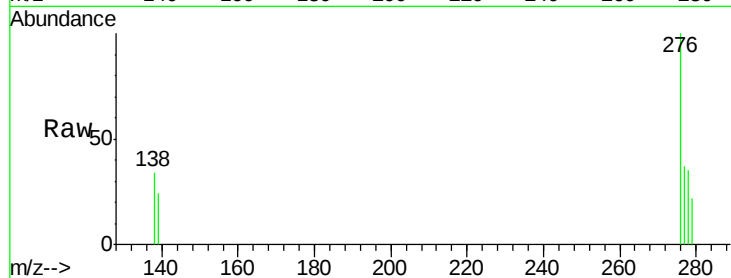
Tot Ion:276 Resp: 5308

Ion Ratio Lower Upper

276 100

138 19.6 28.0 42.0#

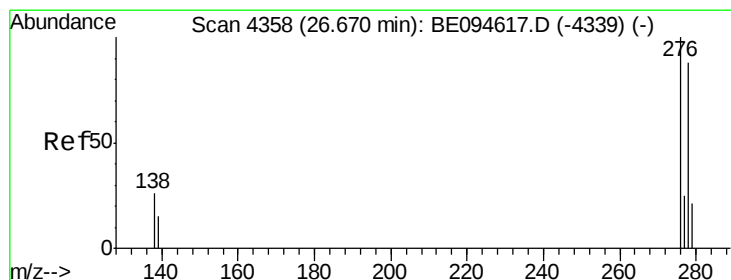
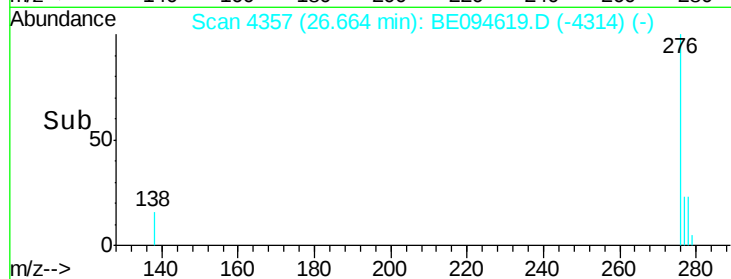
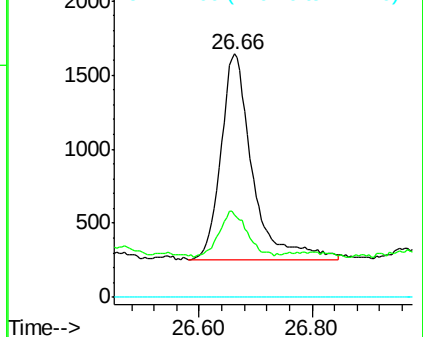
227 0.0 8.0 12.0#



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: 0.05 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.01 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

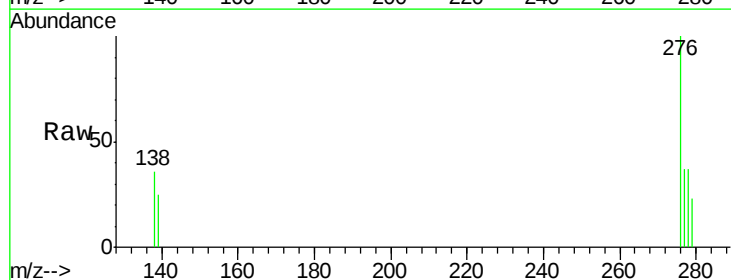
Tgt Ion:278 Resp: 1374

Ion Ratio Lower Upper

278 100

139 67.2 17.4 26.0#

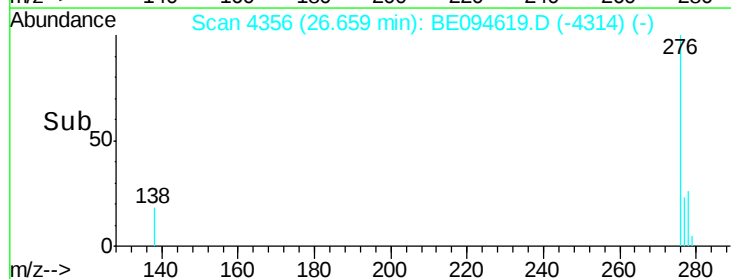
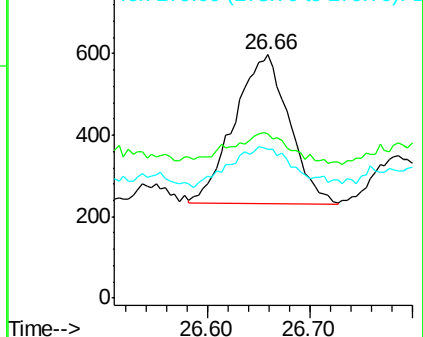
279 61.2 25.9 38.9#

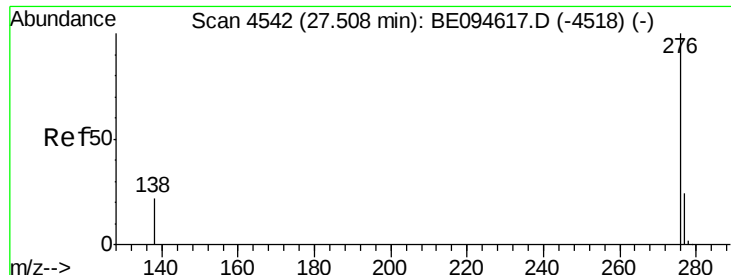


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.16 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. -0.00 min

Lab File: BE094619.D

Acq: 28 Oct 2017 12:51

Instrument :

BNA_E

ClientSampleId :

C0AA3DL

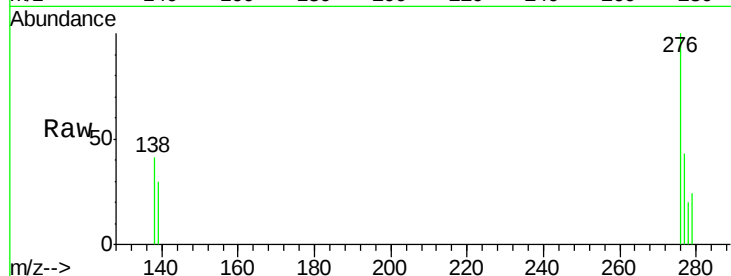
Tot Ion: 276 Resp: 3966

Ion Ratio Lower Upper

276 100

138 41.1 21.8 32.8#

277 42.6 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

