

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094260.D
 Acq On : 10 Oct 2017 20:42
 Operator : SJ/JU
 Sample : I5522-16DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:33:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

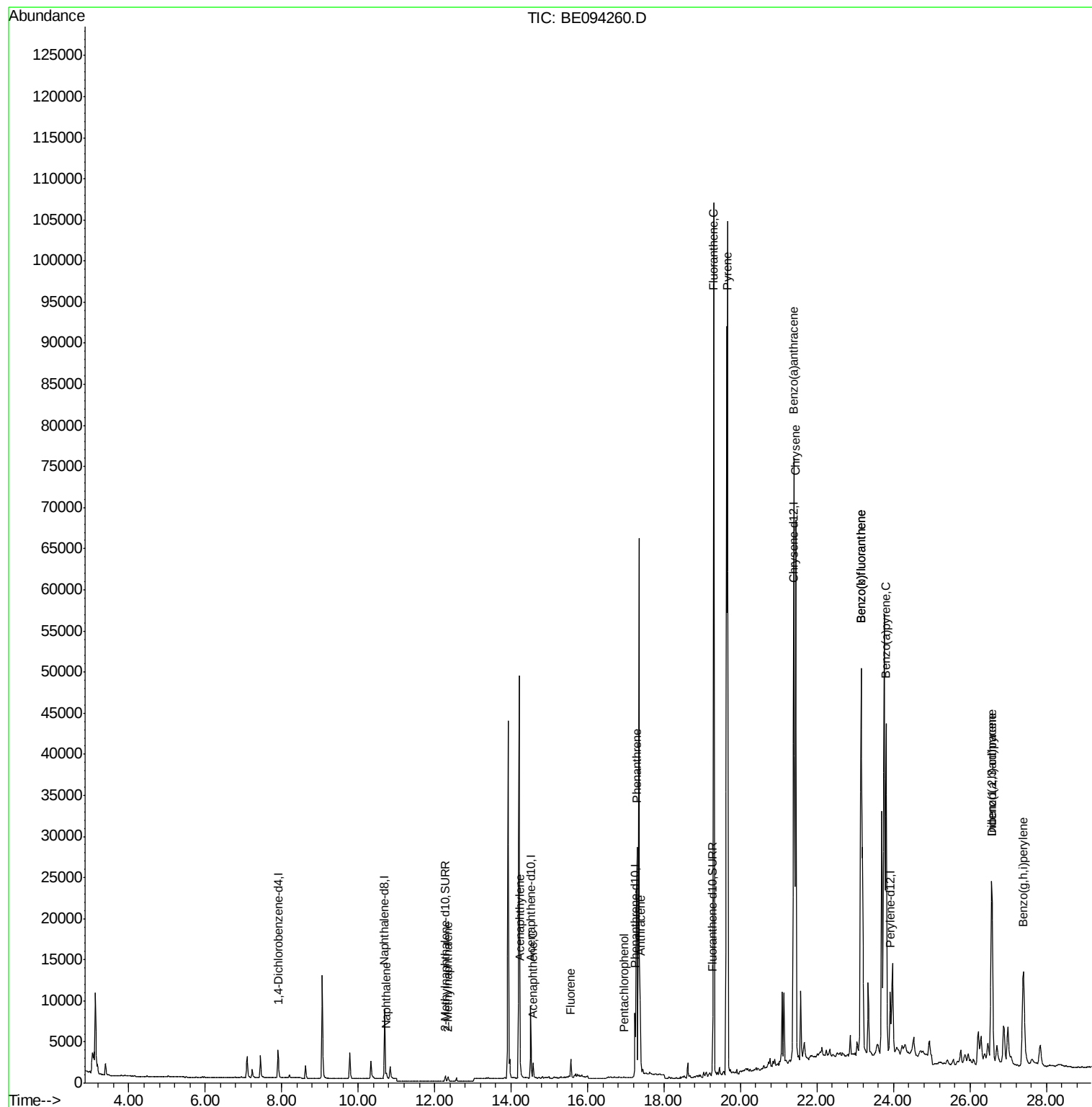
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1848	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9296	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5111	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11011	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	11424	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11138	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1093	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2696	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	872	0.038	ng/ul#	80
5) 2-Methylnaphthalene	12.35	142	504	0.034	ng/ul	99
7) Acenaphthylene	14.24	152	1552	0.078	ng/ul#	93
8) Acenaphthene	14.57	153	1063	0.065	ng/ul	96
9) Fluorene	15.56	166	1455	0.076	ng/ul	91
11) Pentachlorophenol	16.95	266	26	0.020	ng/ul#	20
12) Phenanthrene	17.29	178	40790	1.418	ng/ul#	93
13) Anthracene	17.38	178	10720	0.383	ng/ul#	94
15) Fluoranthene	19.30	202	121778	3.221	ng/ul	84
17) Pyrene	19.66	202	112436	3.537	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	67441	2.225	ng/ul#	86
19) Chrysene	21.44	228	67460	1.927	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	120391	3.979	ng/ul	87
22) Benzo(k)fluoranthene	23.15	252	120391	3.442	ng/ul#	89
23) Benzo(a)pyrene	23.81	252	63719	2.027	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.57	276	40996	1.275	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.57	278	10582	0.392	ng/ul#	90
26) Benzo(g,h,i)perylene	27.40	276	30668	1.105	ng/ul	96

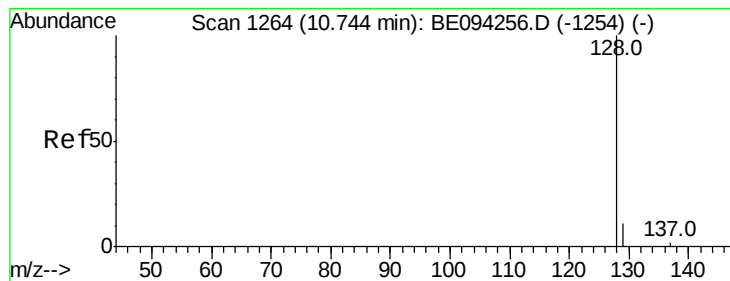
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.038 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

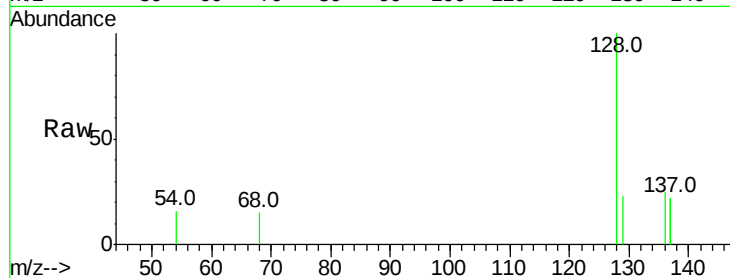
Tot Ion:128 Resp: 872

Ion Ratio Lower Upper

128 100

129 22.9 11.3 16.9#

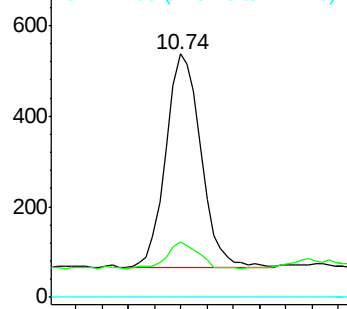
127 0.0 4.0 6.0#



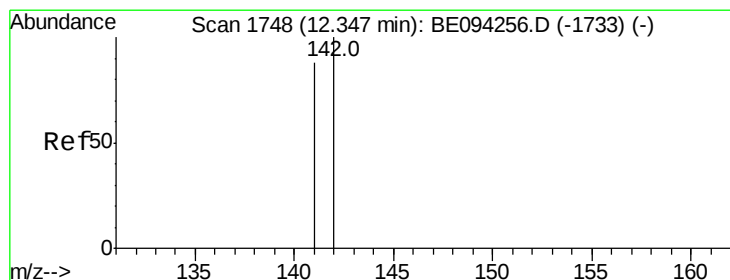
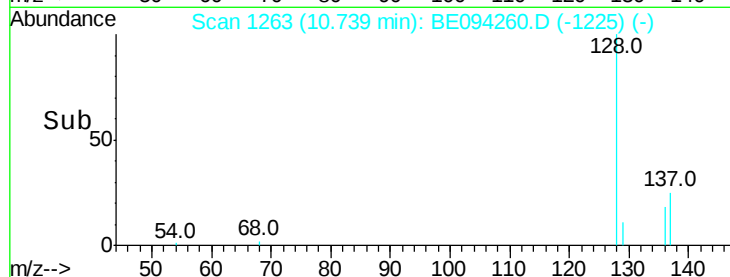
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.034 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094260.D

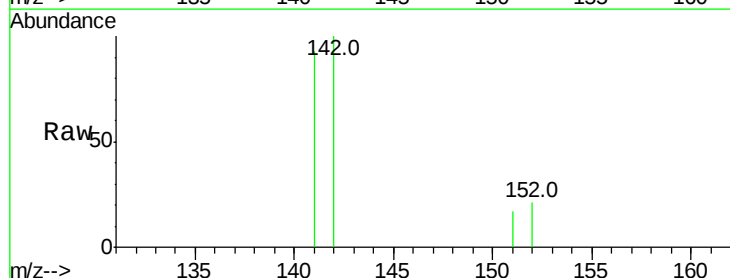
Acq: 10 Oct 2017 20:42

Tgt Ion:142 Resp: 504

Ion Ratio Lower Upper

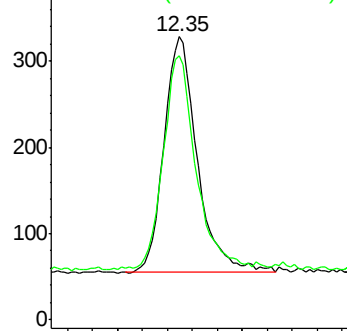
142 100

141 90.1 72.6 108.8

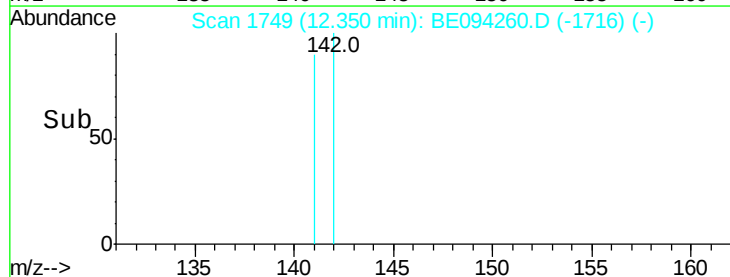


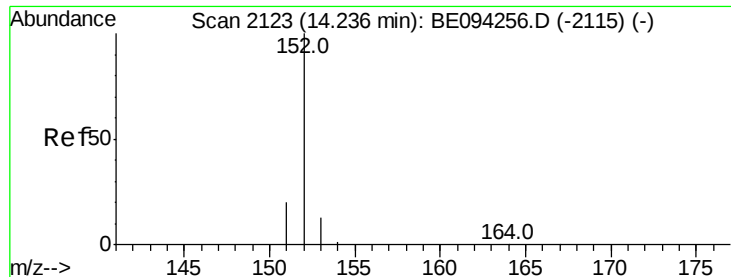
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.078 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

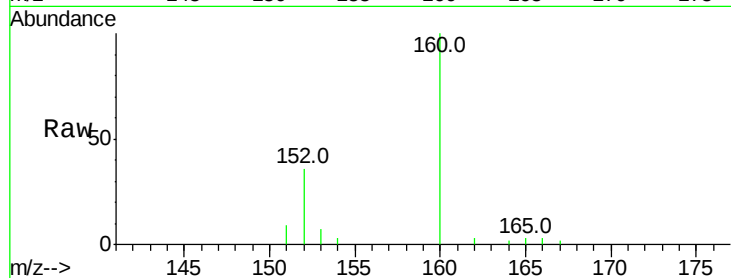
Tot Ion:152 Resp: 1552

Ion Ratio Lower Upper

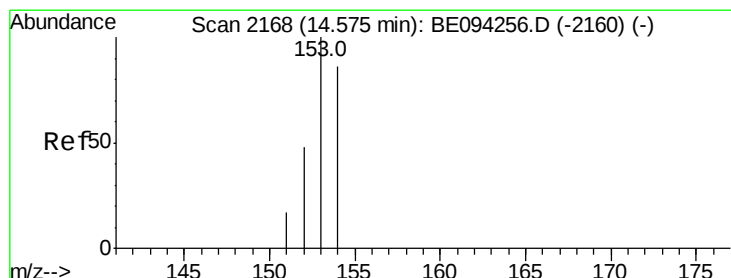
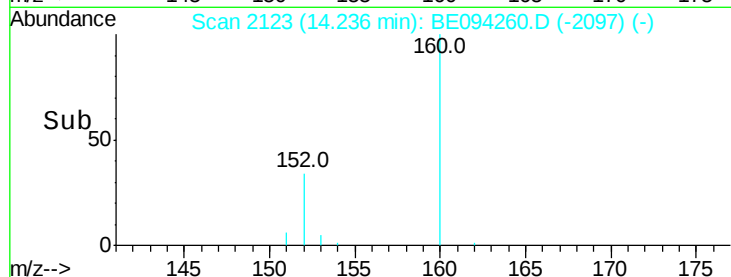
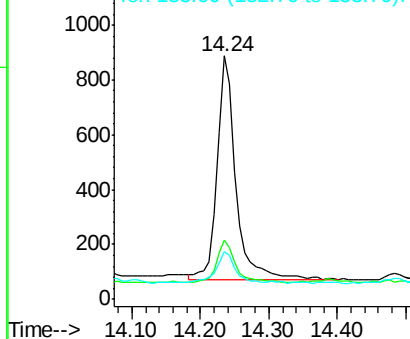
152 100

151 24.3 17.1 25.7

153 19.5 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: 0.065 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

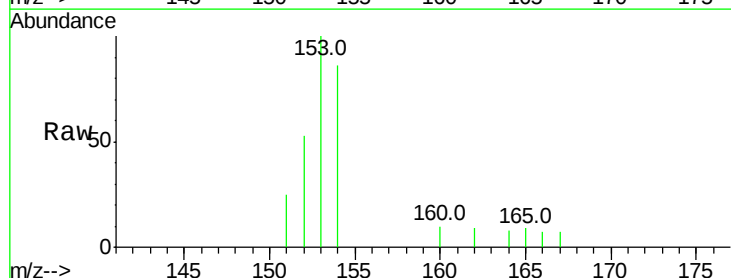
Tgt Ion:153 Resp: 1063

Ion Ratio Lower Upper

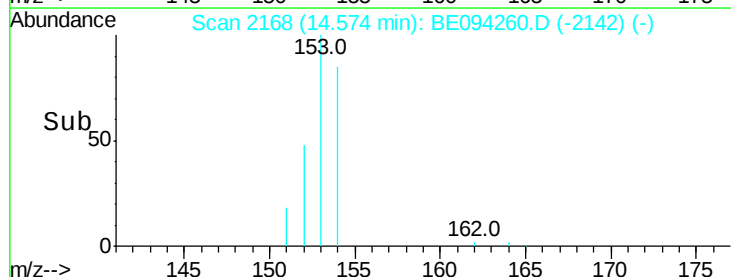
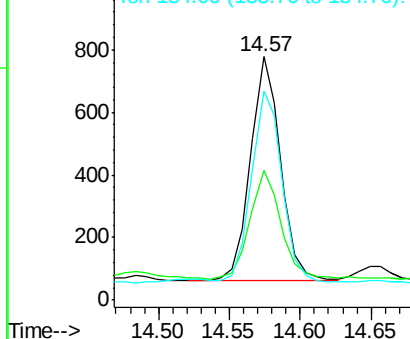
153 100

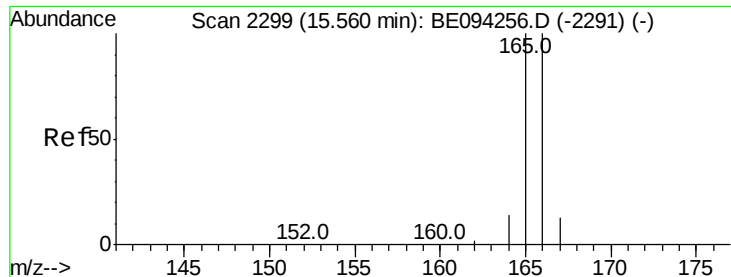
152 53.2 40.3 60.5

154 85.7 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: 0.076 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

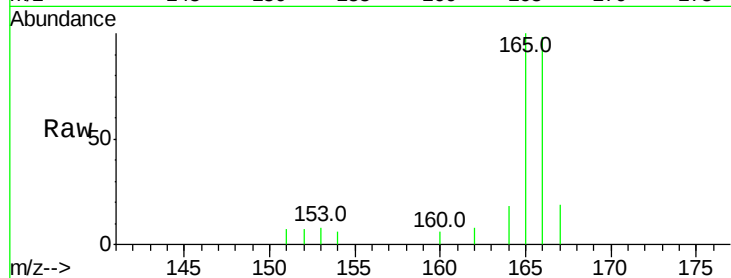
Tot Ion:166 Resp: 1455

Ion Ratio Lower Upper

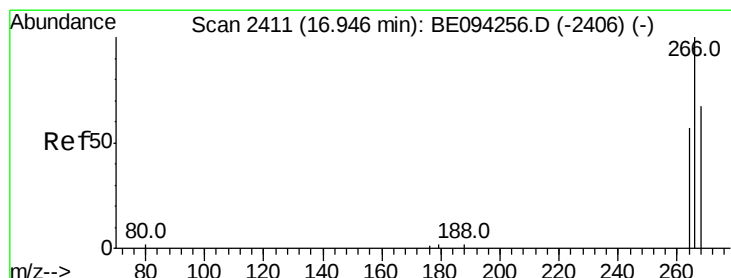
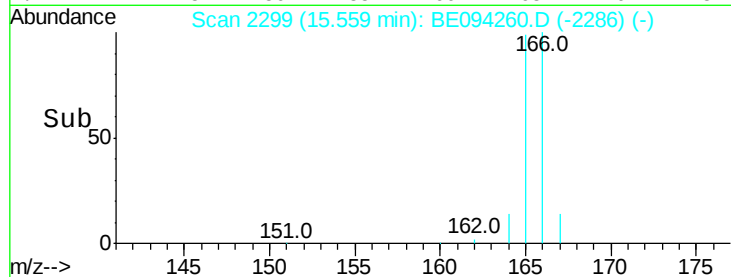
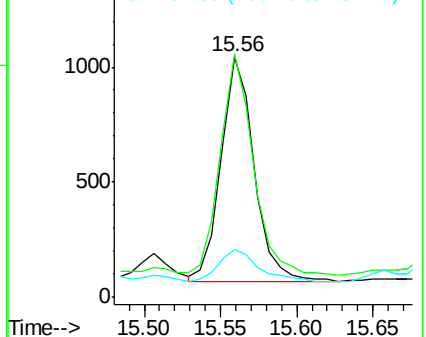
166 100

165 101.5 73.4 110.2

167 19.8 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



#11

Pentachlorophenol

Concen: 0.020 ng/ul

RT: 16.95 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

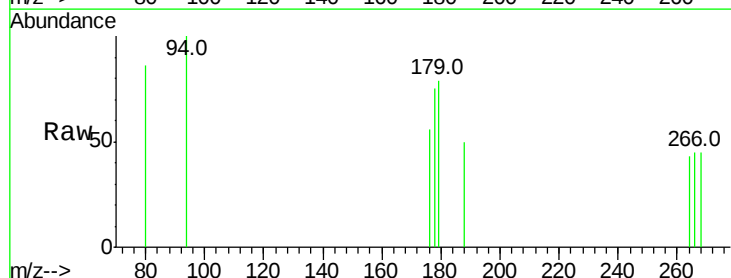
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

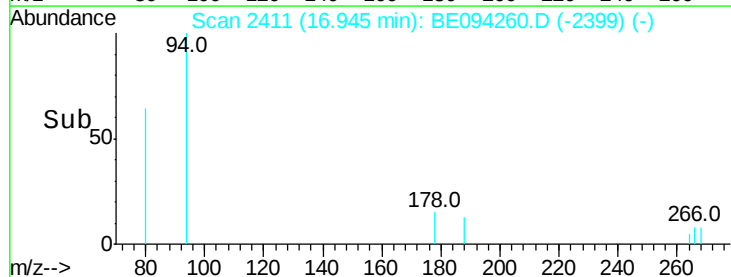
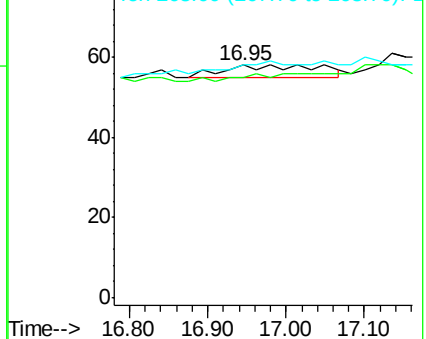
266 100

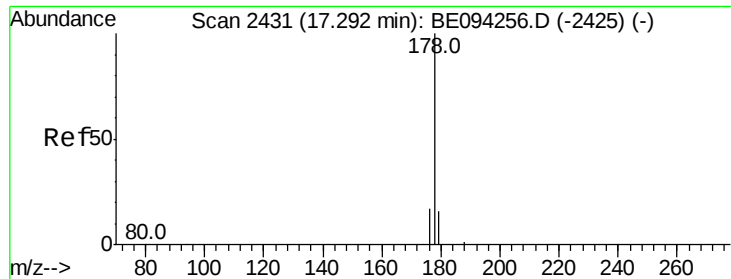
264 0.0 47.9 71.9#

268 0.0 49.8 74.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.418 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

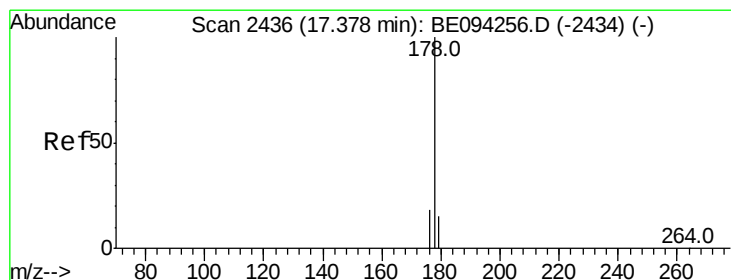
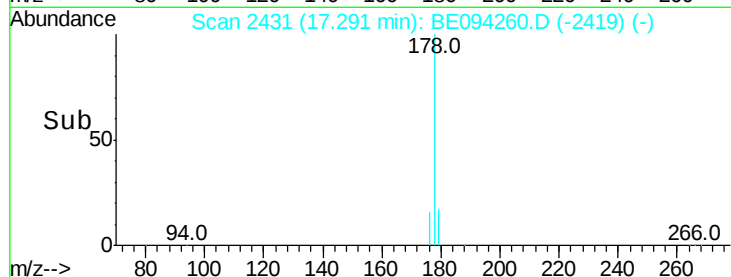
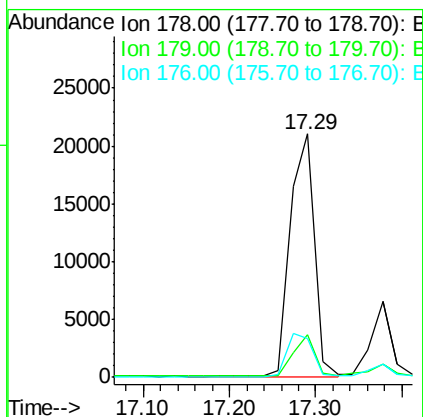
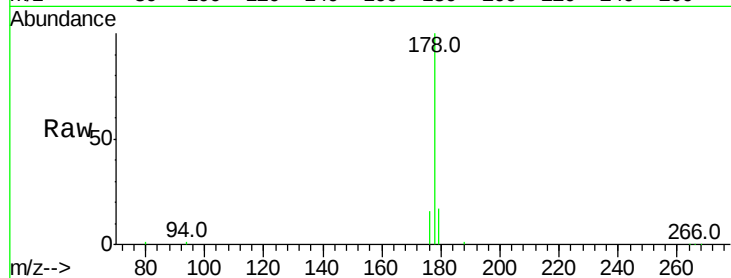
Tot Ion:178 Resp: 40790

Ion Ratio Lower Upper

178 100

179 17.4 18.4 27.6#

176 16.2 13.6 20.4



#13

Anthracene

Concen: 0.383 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

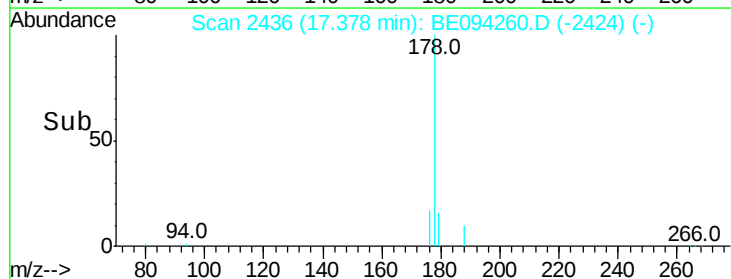
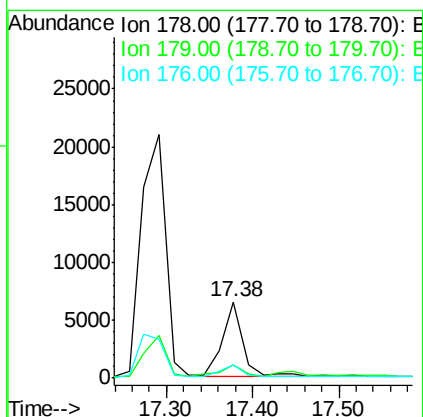
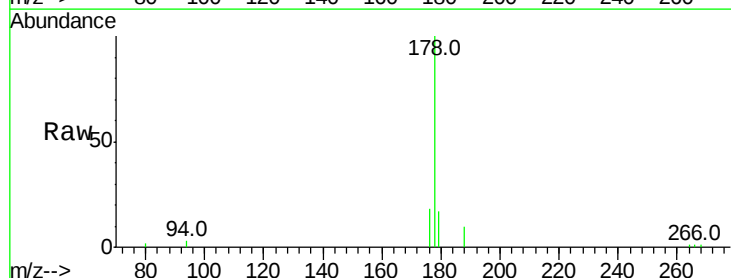
Tgt Ion:178 Resp: 10720

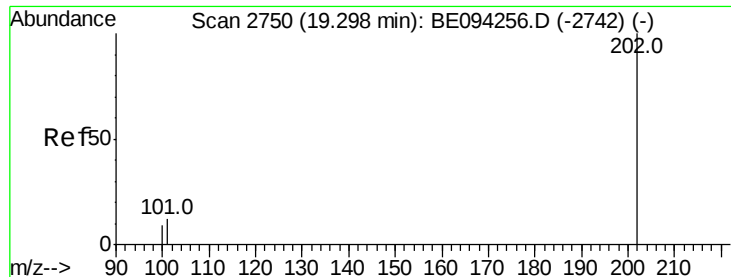
Ion Ratio Lower Upper

178 100

179 17.4 18.1 27.1#

176 17.9 14.7 22.1

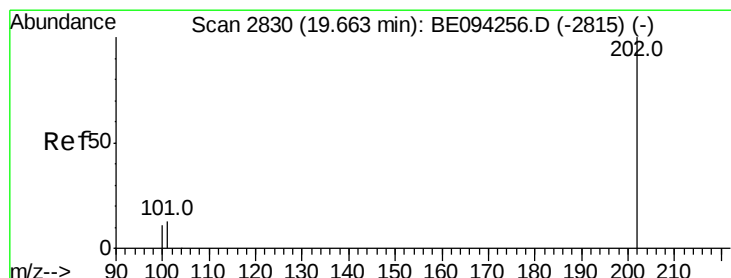
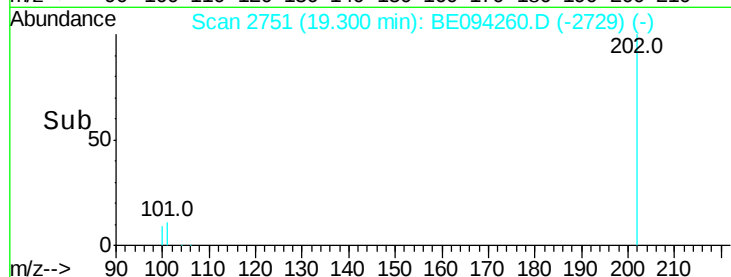
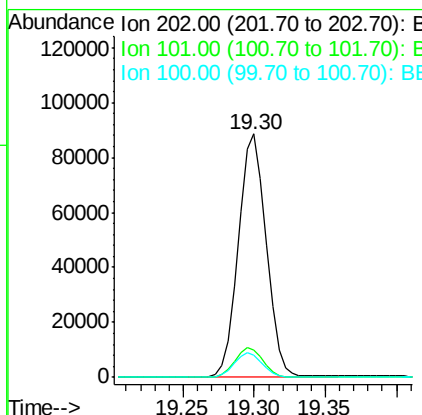
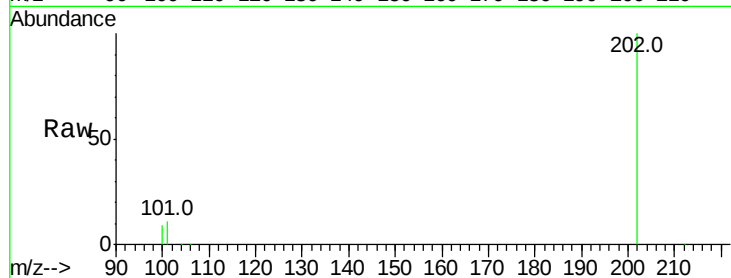




#15
Fluoranthene
Concen: 3.221 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BE094260.D
Acq: 10 Oct 2017 20:42

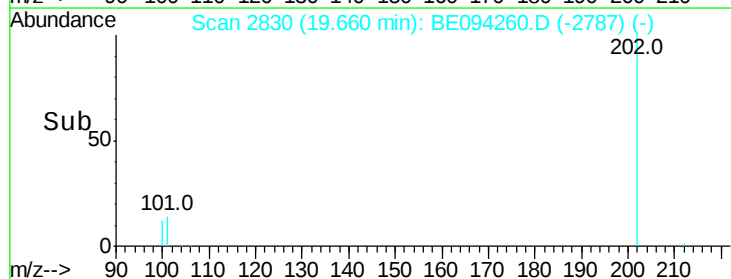
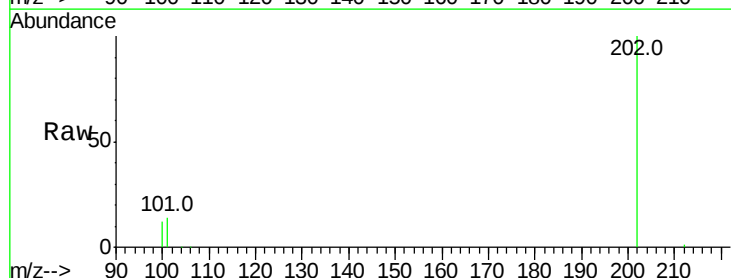
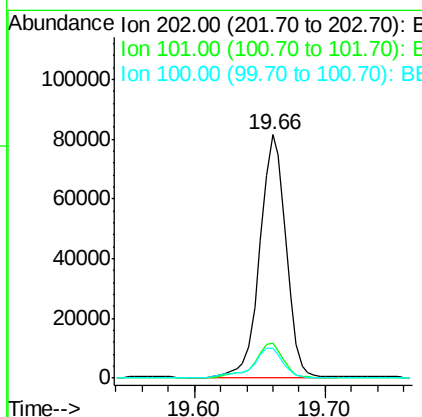
Instrument :
BNA_E
ClientSampleId :

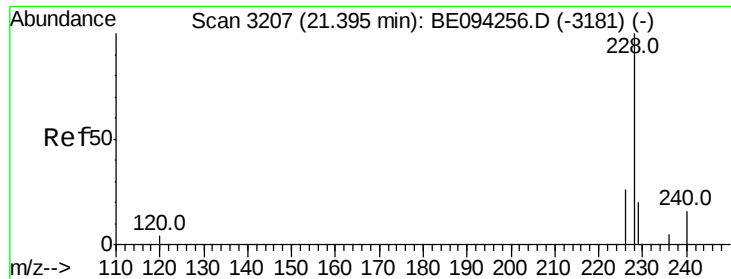
Tot Ion:202 Resp: 121778
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.3
100 8.9 0.0 39.5



#17
Pyrene
Concen: 3.537 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BE094260.D
Acq: 10 Oct 2017 20:42

Tgt Ion:202 Resp: 112436
Ion Ratio Lower Upper
202 100
101 14.4 18.2 27.4#
100 12.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 2.225 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

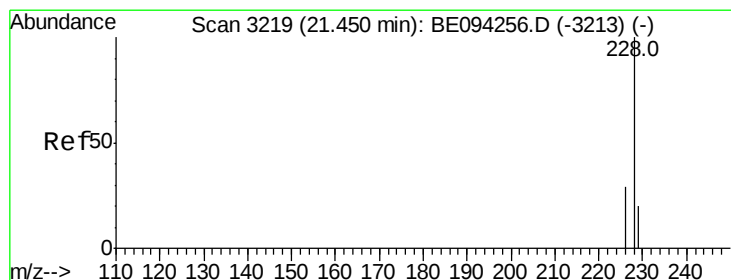
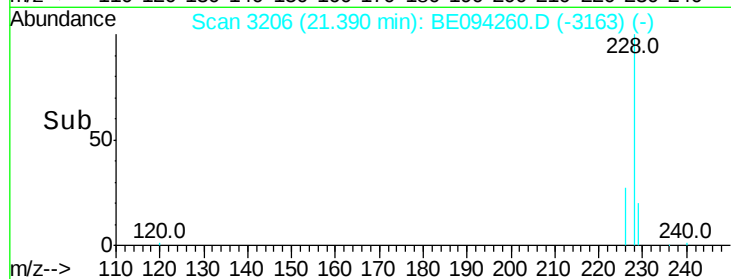
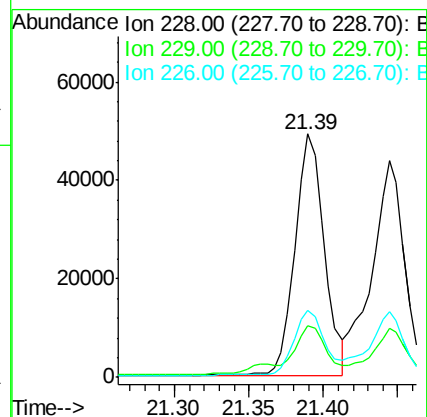
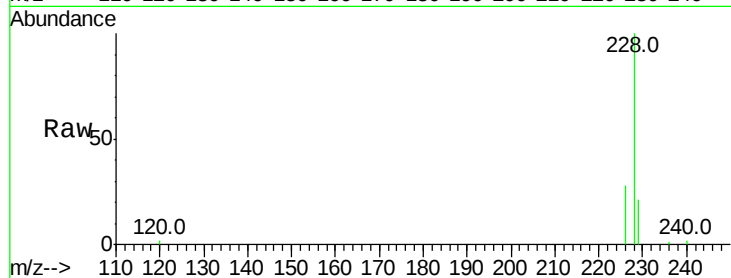
Tot Ion:228 Resp: 67441

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

226 27.7 17.0 25.6#



#19

Chrysene

Concen: 1.927 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

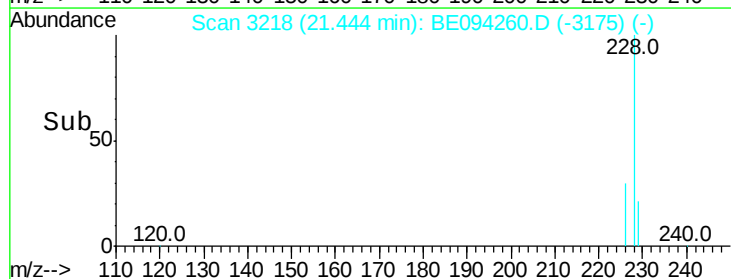
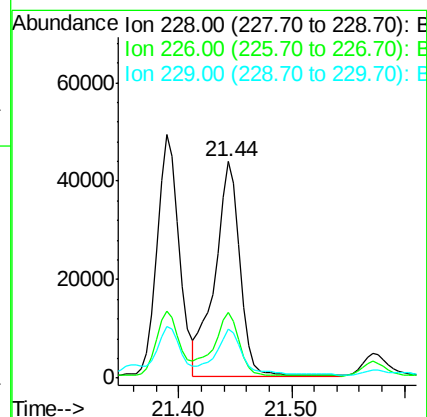
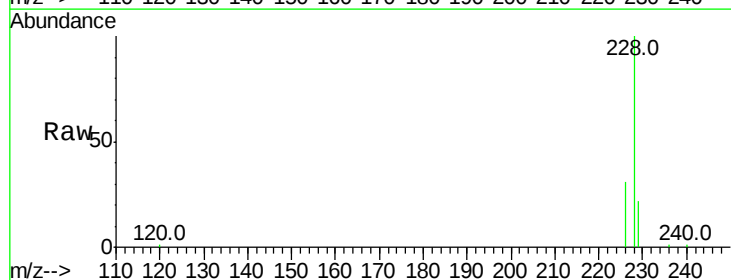
Tgt Ion:228 Resp: 67460

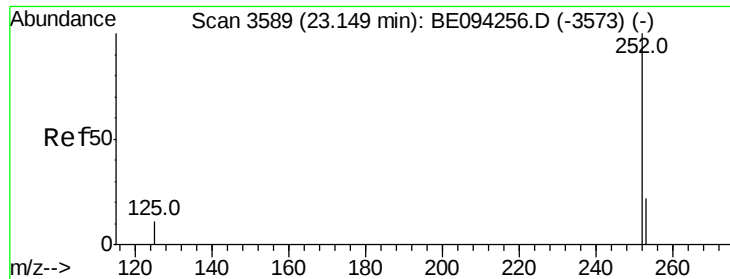
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 22.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.979 ng/u1

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

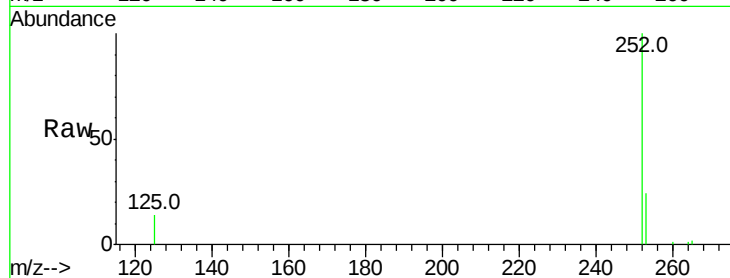
Tot Ion:252 Resp: 120391

Ion Ratio Lower Upper

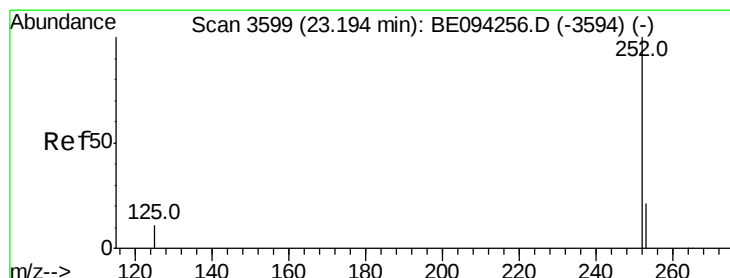
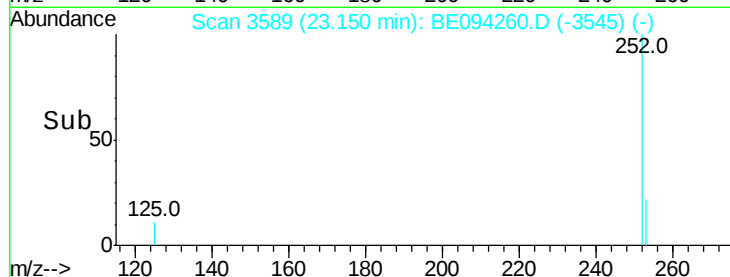
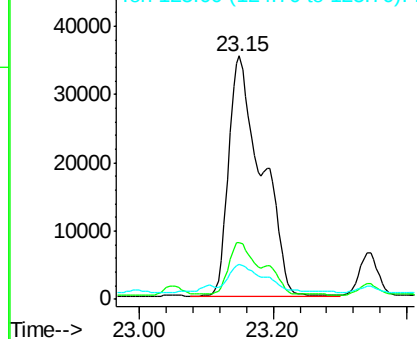
252 100

253 23.6 0.0 64.2

125 14.1 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: 3.442 ng/u1

RT: 23.15 min Scan# 3589

Delta R.T. -0.04 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

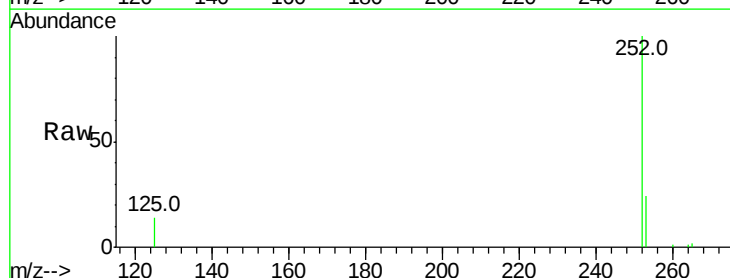
Tgt Ion:252 Resp: 120391

Ion Ratio Lower Upper

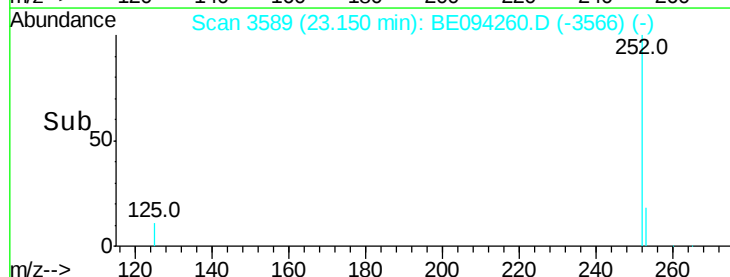
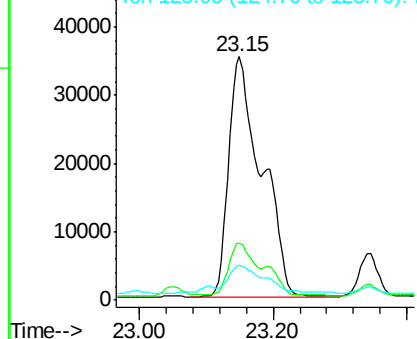
252 100

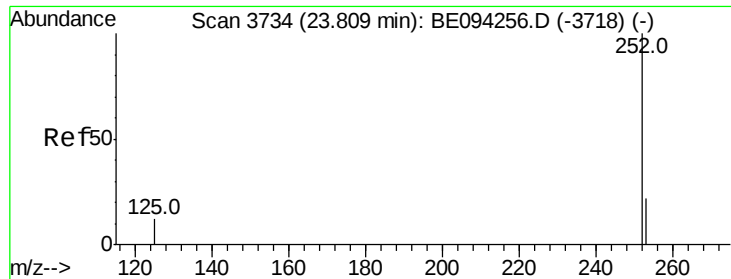
253 23.6 24.5 36.7#

125 14.1 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: 2.027 ng/ul

RT: 23.81 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

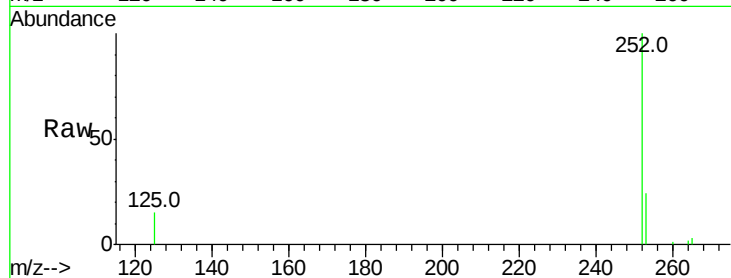
Tot Ion:252 Resp: 63719

Ion Ratio Lower Upper

252 100

253 24.4 28.5 42.7#

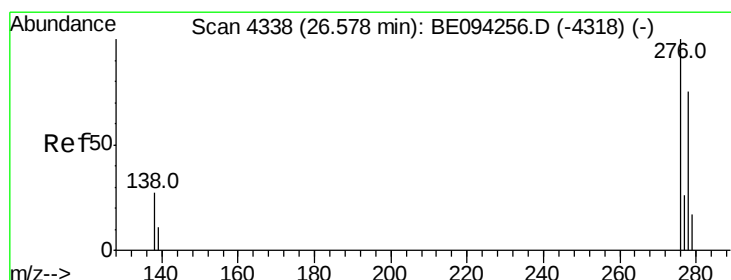
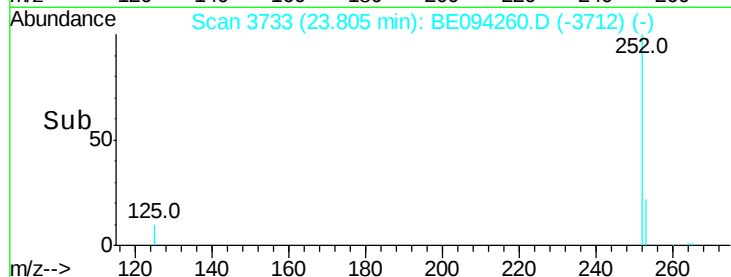
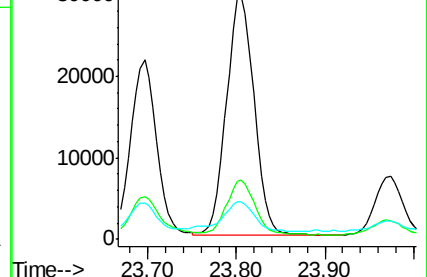
125 15.4 18.1 27.1#



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: 1.275 ng/ul

RT: 26.57 min Scan# 4336

Delta R.T. -0.01 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

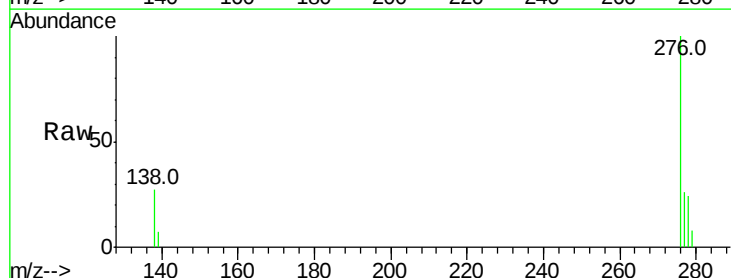
Tgt Ion:276 Resp: 40996

Ion Ratio Lower Upper

276 100

138 24.3 28.0 42.0#

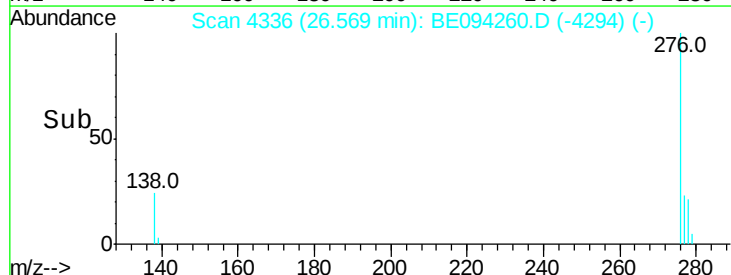
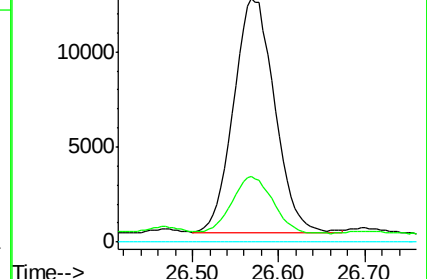
227 0.0 8.0 12.0#

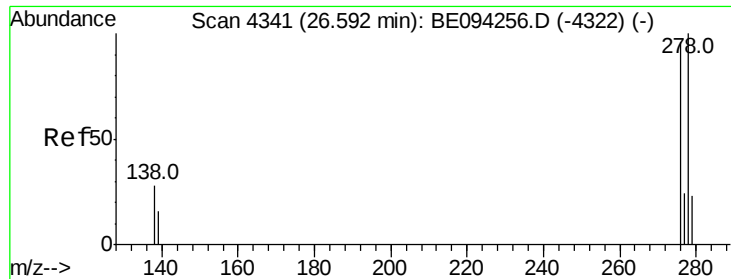


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.392 ng/ul

RT: 26.57 min Scan# 4337

Delta R.T. -0.02 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

Instrument :

BNA_E

ClientSampleId :

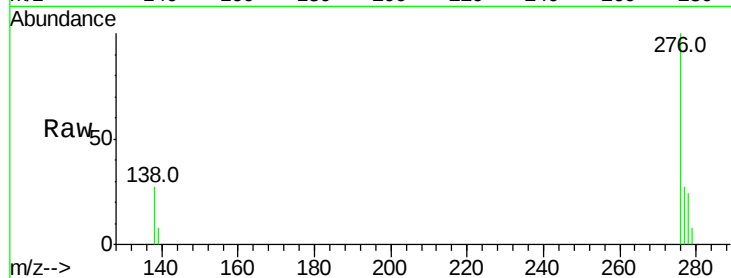
Tot Ion:278 Resp: 10582

Ion Ratio Lower Upper

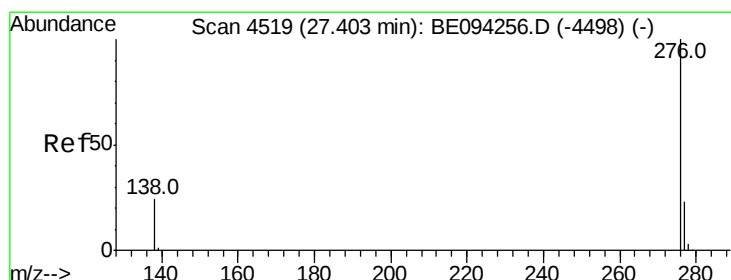
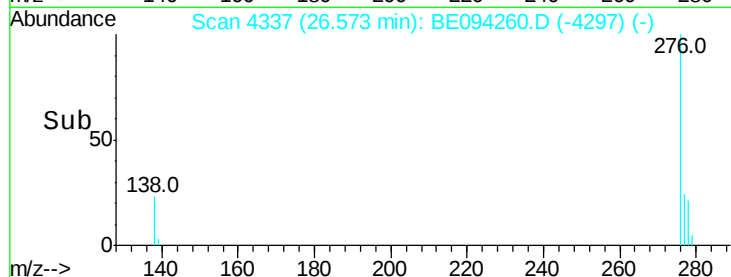
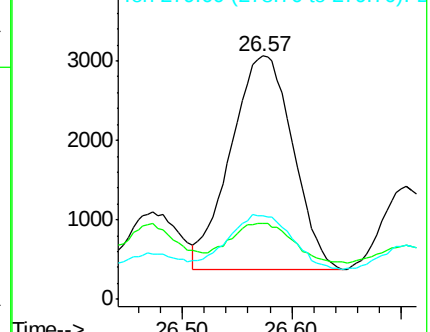
278 100

139 31.1 17.4 26.0#

279 34.5 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: 1.105 ng/ul

RT: 27.40 min Scan# 4518

Delta R.T. -0.01 min

Lab File: BE094260.D

Acq: 10 Oct 2017 20:42

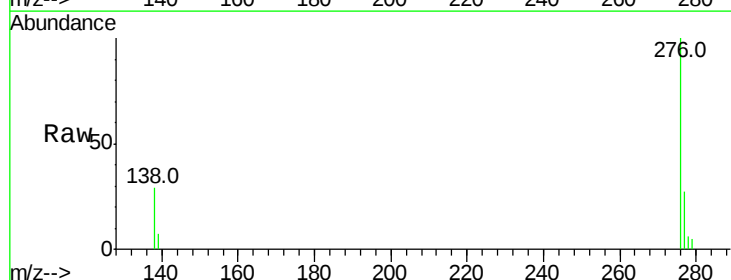
Tgt Ion:276 Resp: 30668

Ion Ratio Lower Upper

276 100

138 29.3 21.8 32.8

277 27.3 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

