

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112817\
 Data File : BE094882.D
 Acq On : 28 Nov 2017 14:00
 Operator : SJ/JU
 Sample : I6496-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA0DL

Quant Time: Nov 29 01:13:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 29 01:10:42 2017
 Response via : Initial Calibration

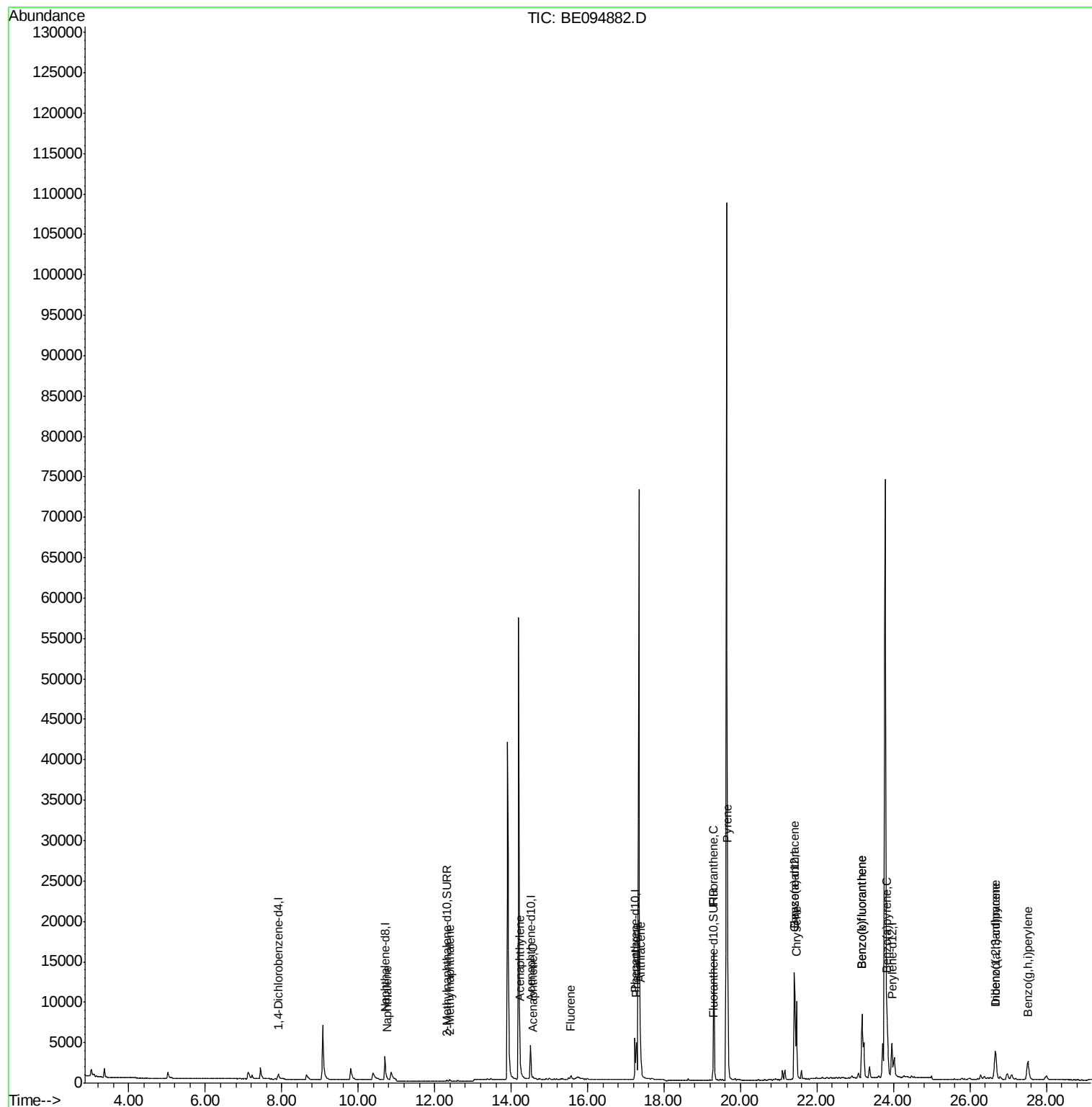
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	562	0.40	ng/ul	-0.04
2) Naphthalene-d8	10.70	136	3838	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	2742	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	6951	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	6973	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7321	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	396	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1556	0.07	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	376	0.04	ng/ul#	62
5) 2-Methylnaphthalene	12.39	142	350	0.06	ng/ul	92
7) Acenaphthylene	14.24	152	525	0.04	ng/ul#	71
8) Acenaphthene	14.57	153	193	0.02	ng/ul#	89
9) Fluorene	15.57	166	368	0.03	ng/ul#	86
12) Phenanthrene	17.27	178	6028	0.32	ng/ul#	87
13) Anthracene	17.38	178	1989	0.10	ng/ul	96
15) Fluoranthene	19.30	202	19723	0.81	ng/ul	83
17) Pyrene	19.66	202	18781	0.86	ng/ul#	78
18) Benzo(a)anthracene	21.41	228	12293	0.58	ng/ul#	89
19) Chrysene	21.46	228	10811	0.51	ng/ul	98
21) Benzo(b)fluoranthene	23.18	252	20792	0.95	ng/ul	85
22) Benzo(k)fluoranthene	23.18	252	20792	0.90	ng/ul#	87
23) Benzo(a)pyrene	23.84	252	11103	0.51	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.67	276	7426	0.31	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.66	278	2327	0.12	ng/ul	98
26) Benzo(a,h,i)perylene	27.51	276	6317	0.32	ng/ul	93

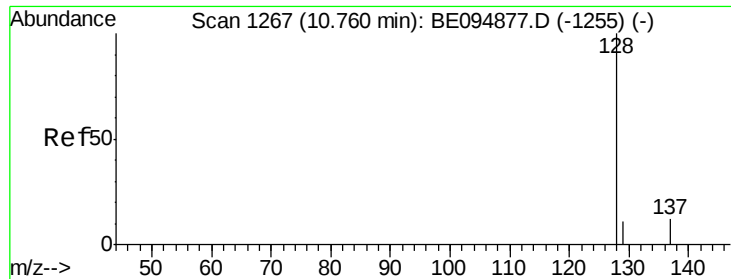
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

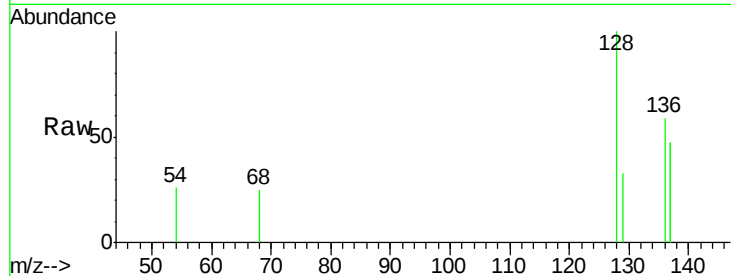
Tot Ion:128 Resp: 376

Ion Ratio Lower Upper

128 100

129 32.6 11.3 16.9#

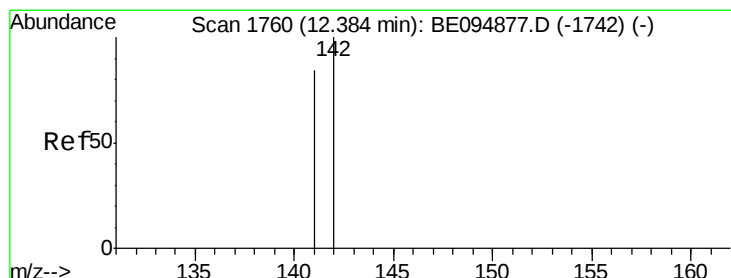
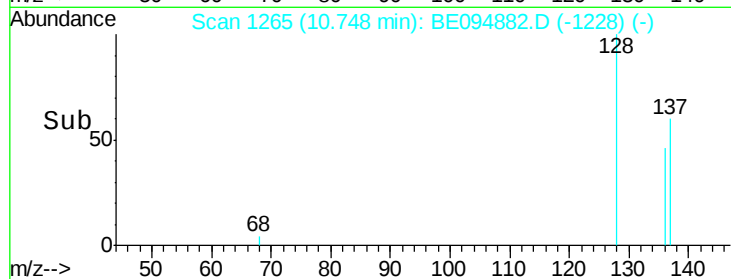
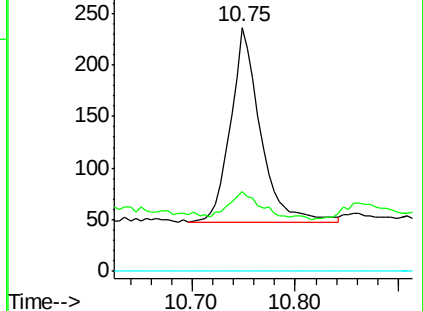
127 0.0 4.0 6.0#



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: 0.06 ng/ul

RT: 12.39 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BE094882.D

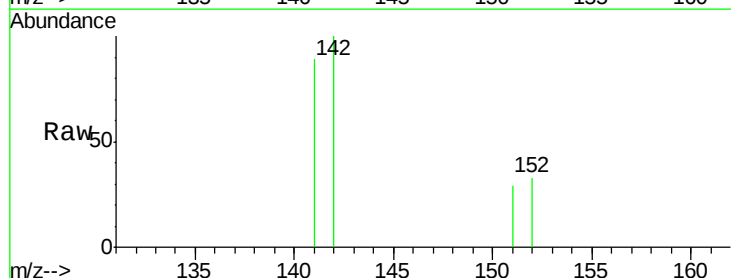
Acq: 28 Nov 2017 14:00

Tgt Ion:142 Resp: 350

Ion Ratio Lower Upper

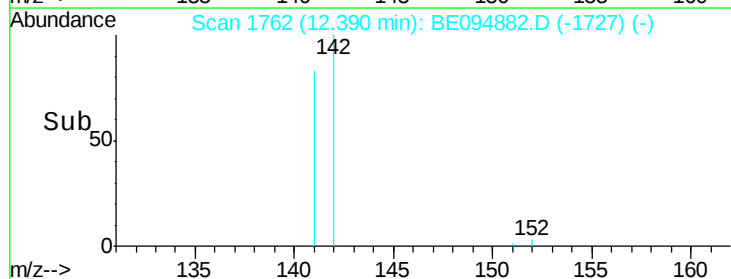
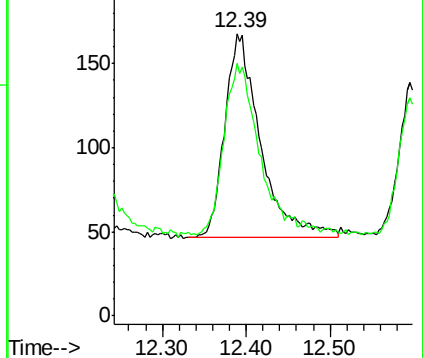
142 100

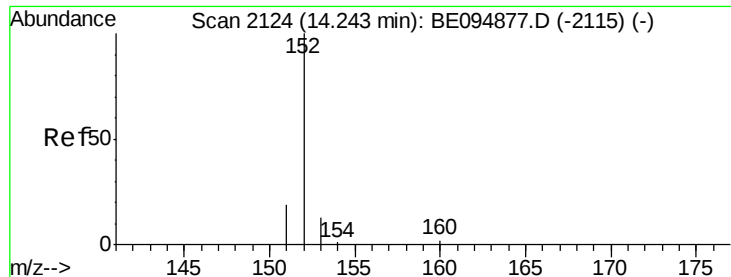
141 83.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

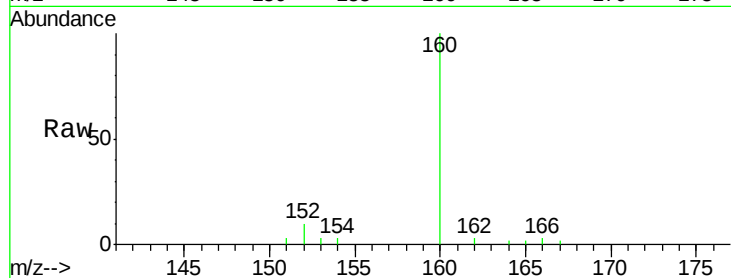
Tot Ion:152 Resp: 525

Ion Ratio Lower Upper

152 100

151 33.8 17.1 25.7#

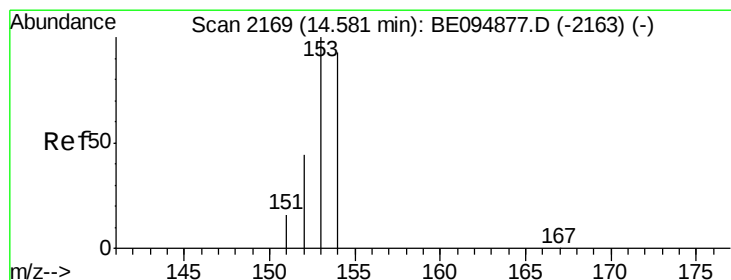
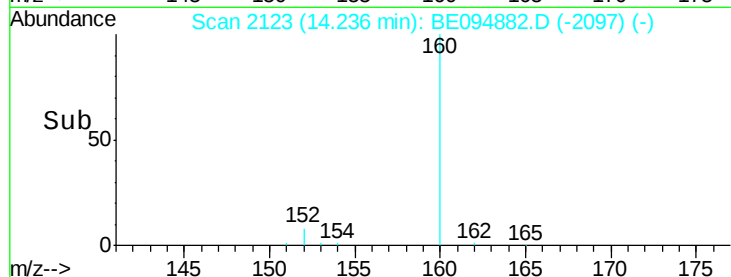
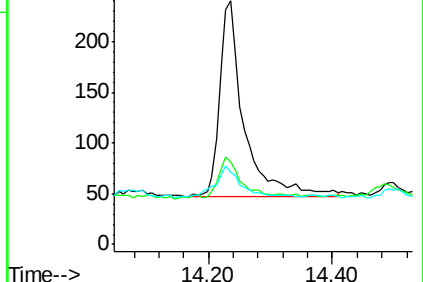
153 29.6 12.8 19.2#



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: 0.02 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

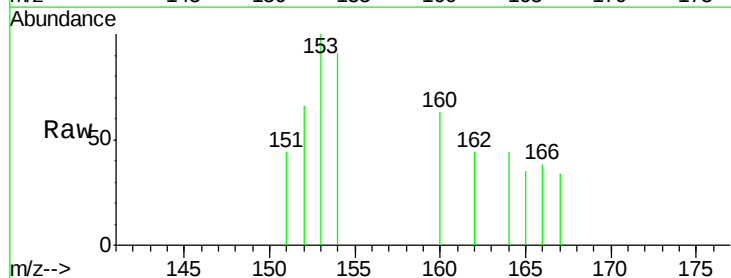
Tgt Ion:153 Resp: 193

Ion Ratio Lower Upper

153 100

152 66.0 36.0 54.0#

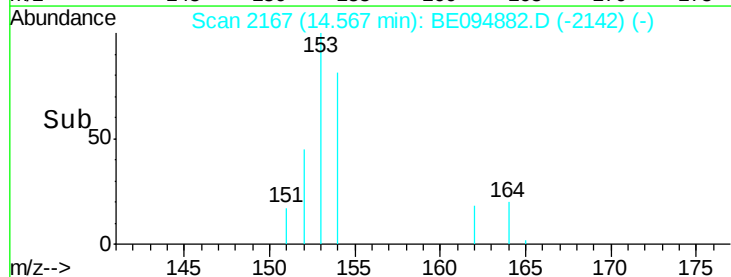
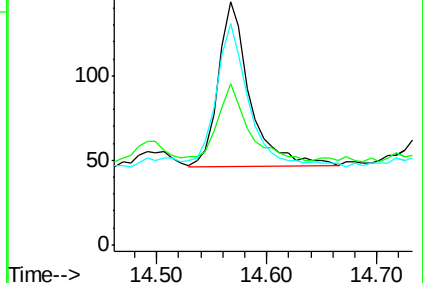
154 91.0 72.0 108.0

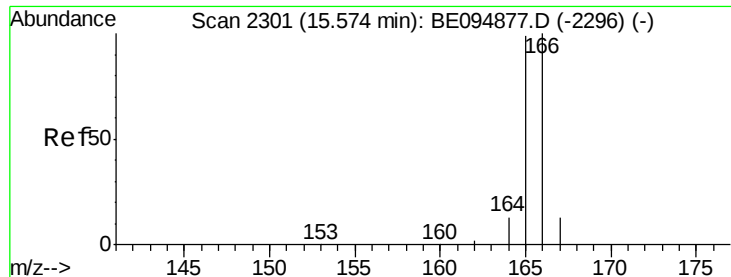


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

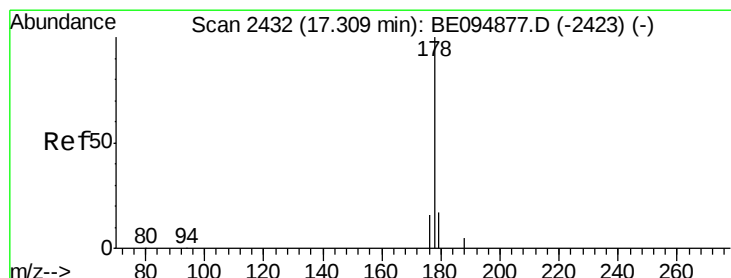
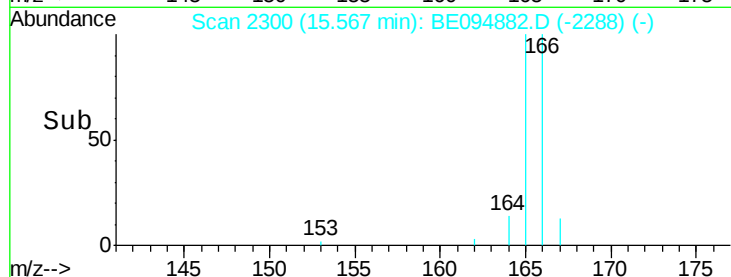
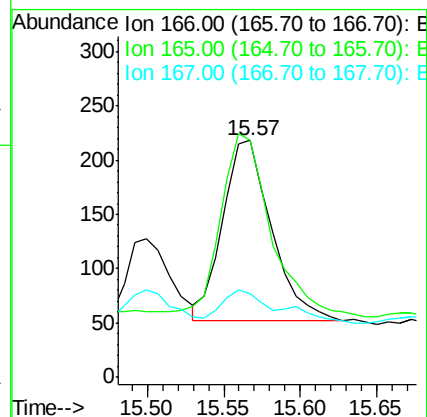
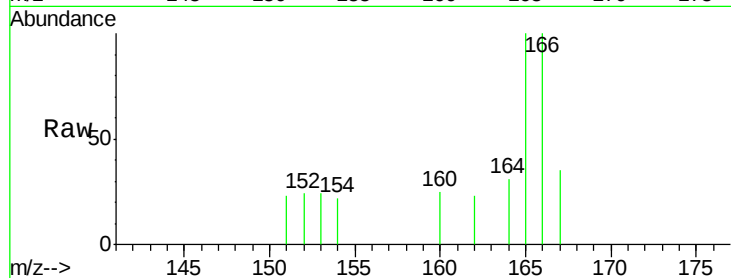




#9
Fluorene
 Concen: 0.03 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094882.D
 Acq: 28 Nov 2017 14:00

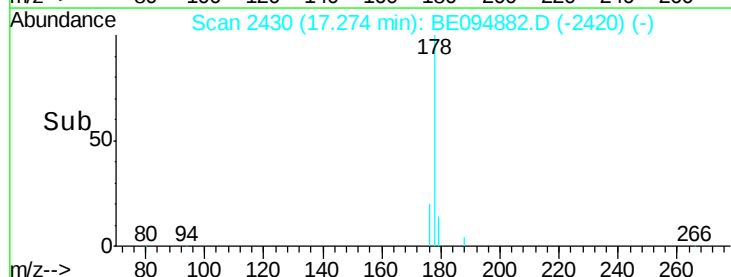
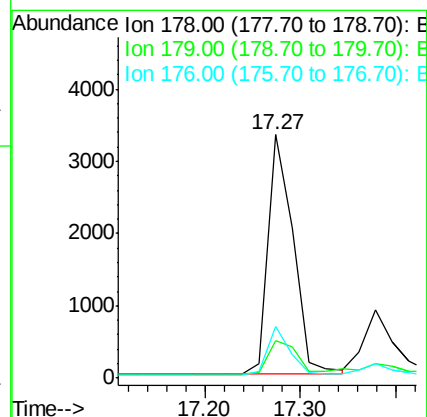
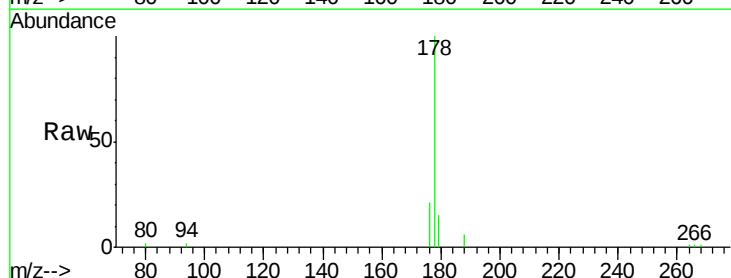
Instrument :
 BNA_E
 ClientSampleId :
 C0AA0DL

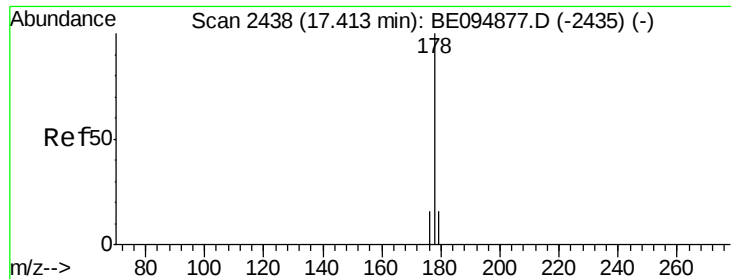
Tot Ion:166 Resp: 368
 Ion Ratio Lower Upper
 166 100
 165 100.5 73.4 110.2
 167 35.3 14.6 22.0#



#12
Phenanthrene
 Concen: 0.32 ng/ul
 RT: 17.27 min Scan# 2430
 Delta R.T. -0.03 min
 Lab File: BE094882.D
 Acq: 28 Nov 2017 14:00

Tgt Ion:178 Resp: 6028
 Ion Ratio Lower Upper
 178 100
 179 15.2 18.4 27.6#
 176 21.1 13.6 20.4#





#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

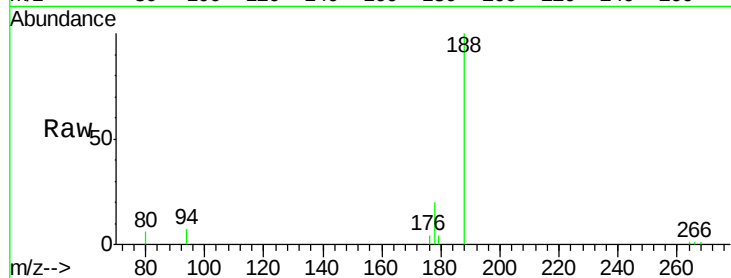
Tot Ion:178 Resp: 1989

Ion Ratio Lower Upper

178 100

179 22.0 18.1 27.1

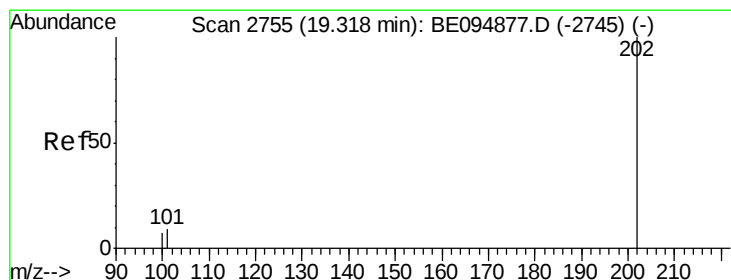
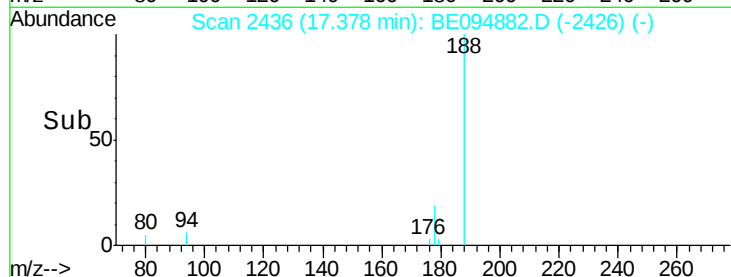
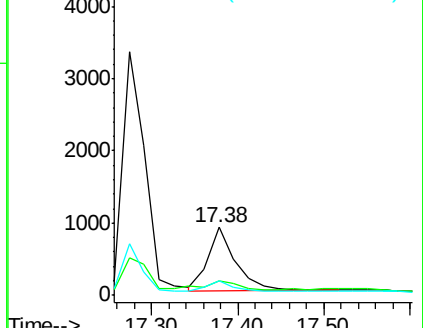
176 21.5 14.7 22.1



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: 0.81 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

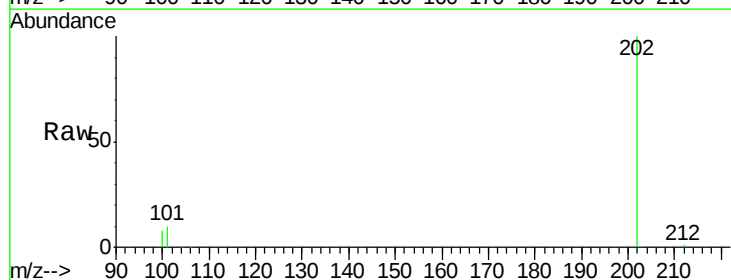
Tgt Ion:202 Resp: 19723

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.3

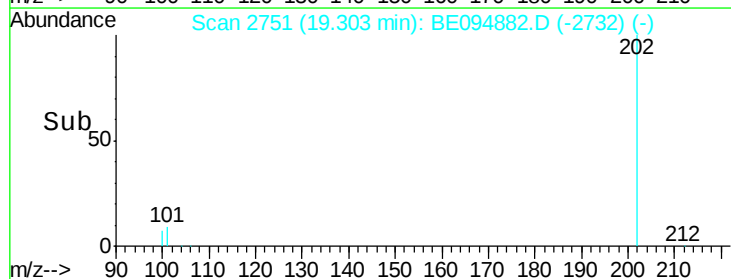
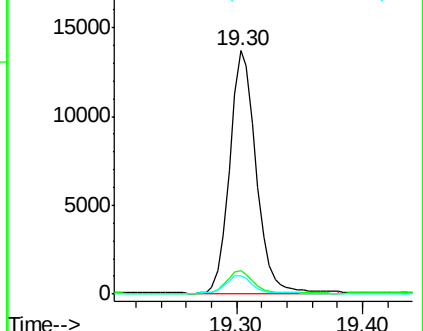
100 7.7 0.0 39.5

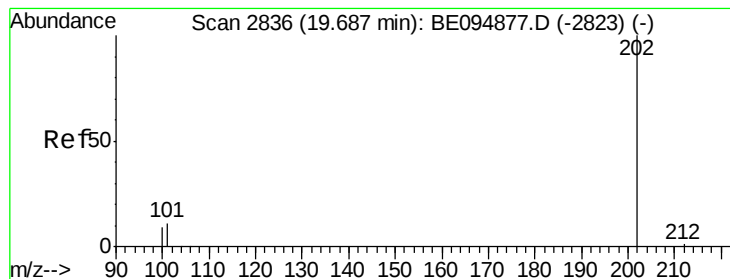


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.86 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

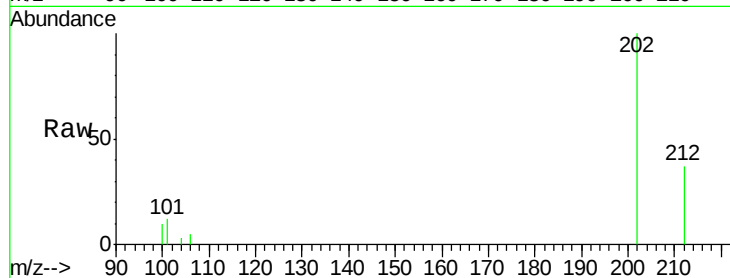
Tot Ion:202 Resp: 18781

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

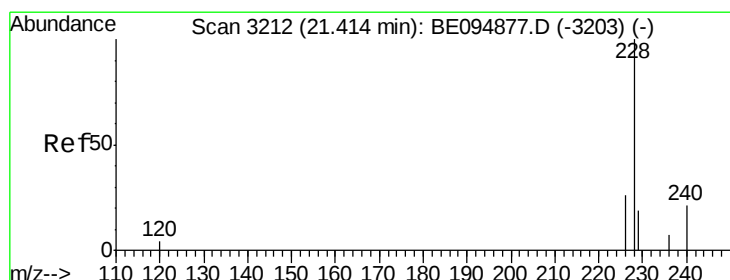
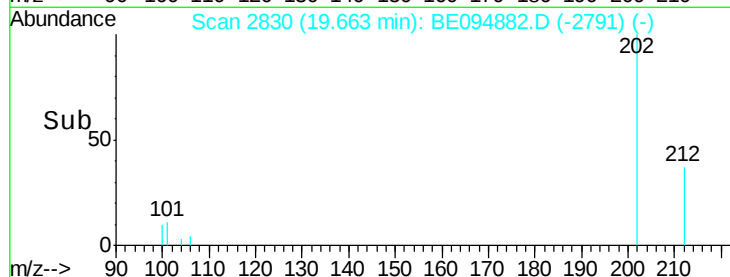
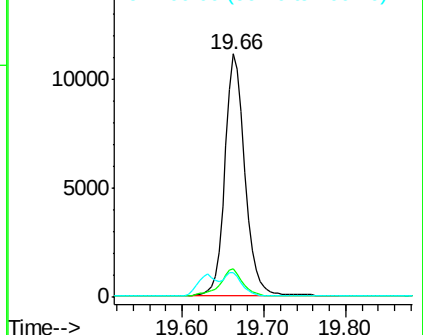
100 10.1 15.6 23.4#



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: 0.58 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

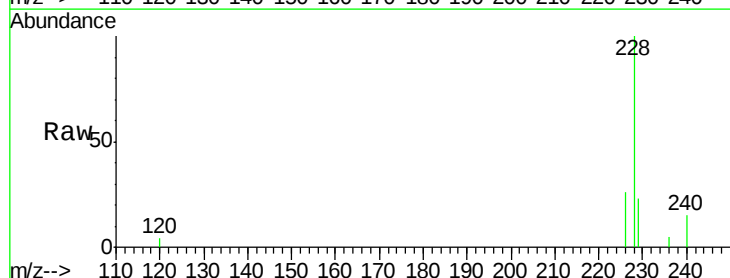
Tgt Ion:228 Resp: 12293

Ion Ratio Lower Upper

228 100

229 22.5 22.8 34.2#

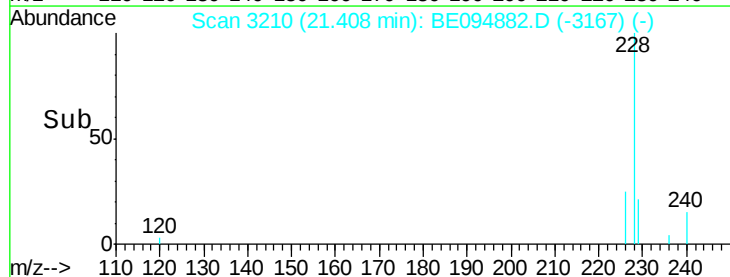
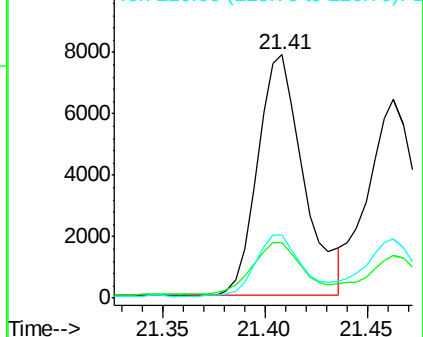
226 26.0 17.0 25.6#

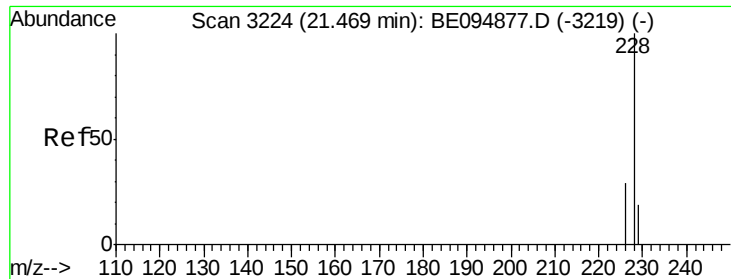


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.51 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

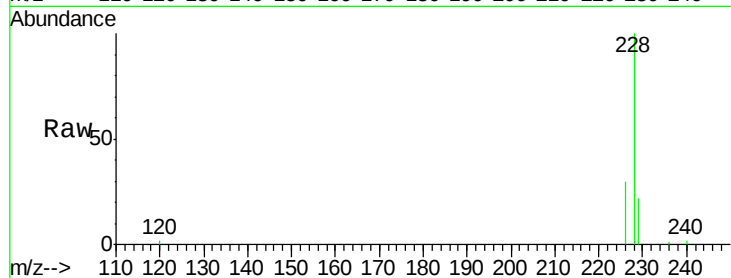
Tot Ion:228 Resp: 10811

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

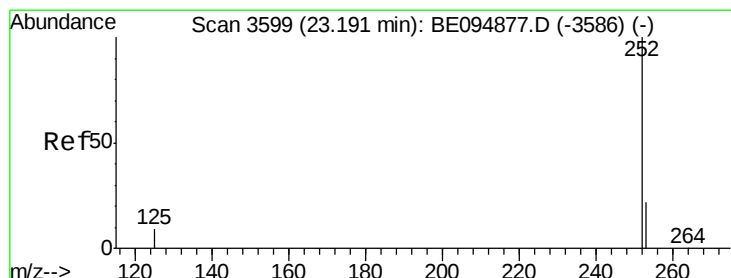
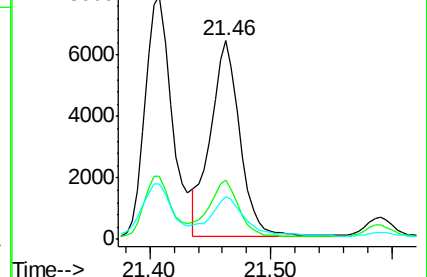
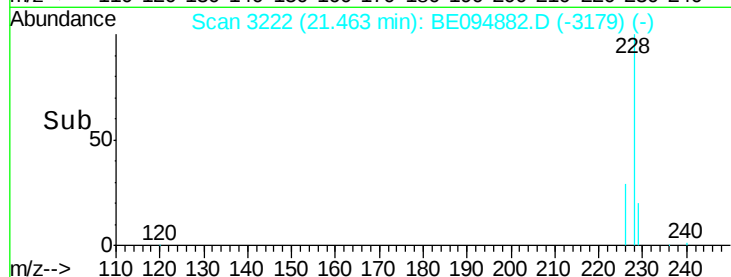
229 21.5 17.7 26.5



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: 0.95 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

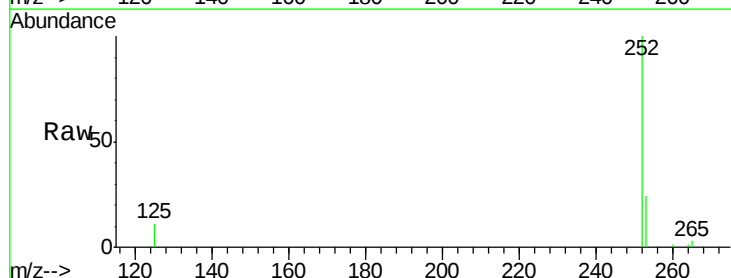
Tgt Ion:252 Resp: 20792

Ion Ratio Lower Upper

252 100

253 23.7 0.0 64.2

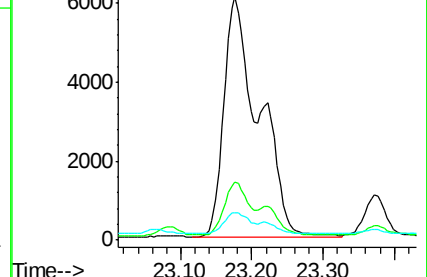
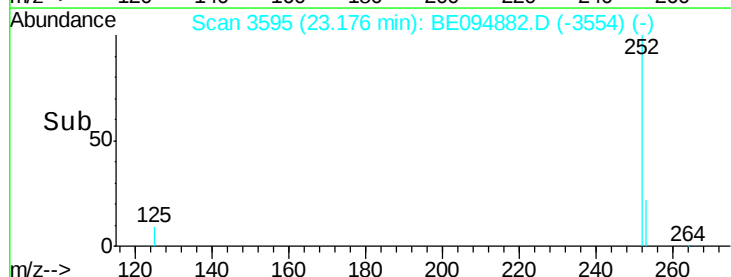
125 11.3 0.0 35.0

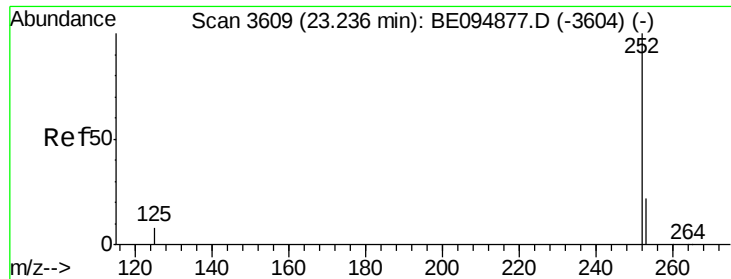


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.90 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

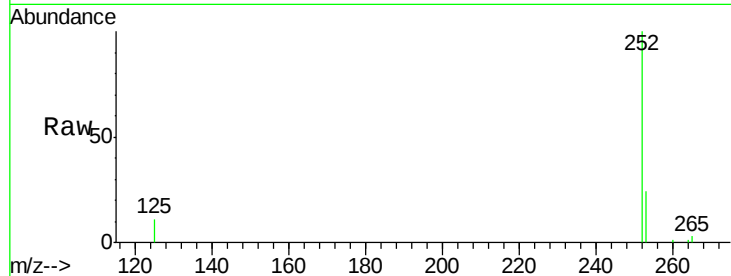
Tot Ion:252 Resp: 20792

Ion Ratio Lower Upper

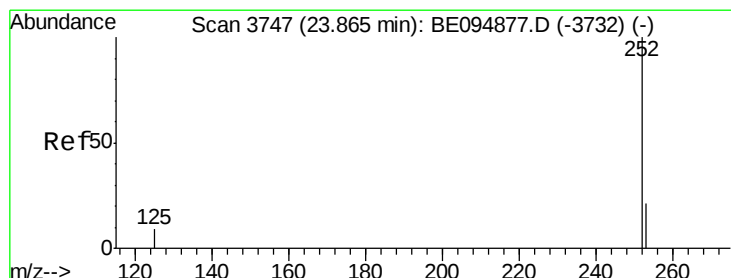
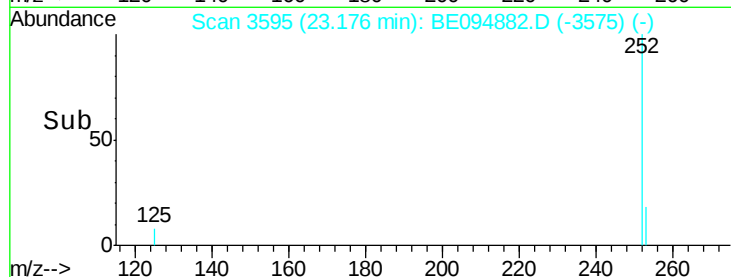
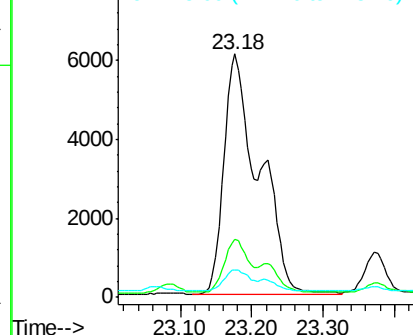
252 100

253 23.7 24.5 36.7#

125 11.3 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: 0.51 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.03 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

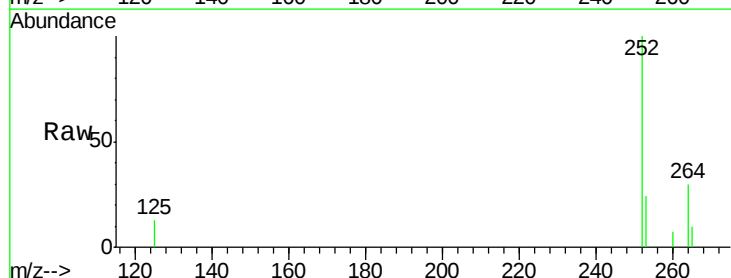
Tgt Ion:252 Resp: 11103

Ion Ratio Lower Upper

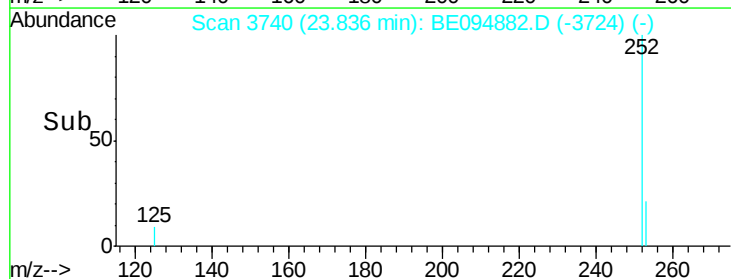
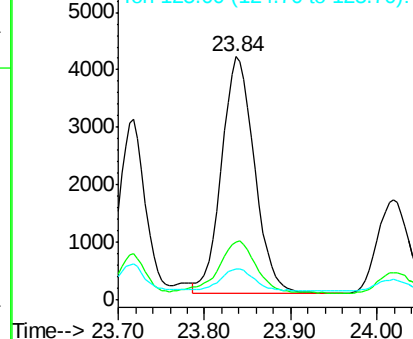
252 100

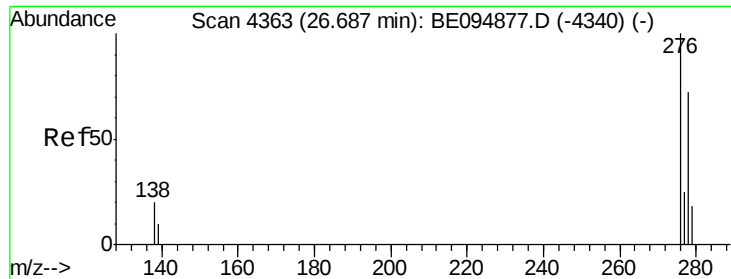
253 23.8 28.5 42.7#

125 12.6 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: 0.31 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL

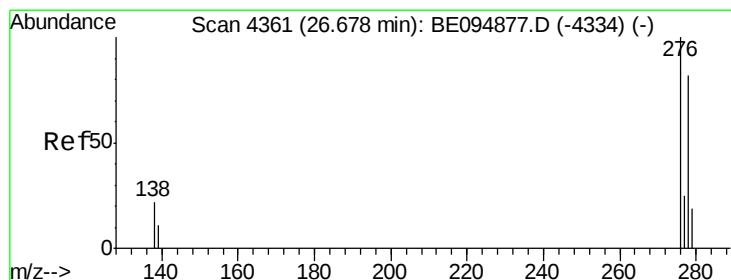
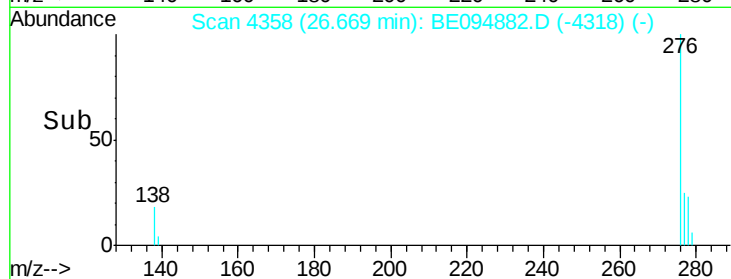
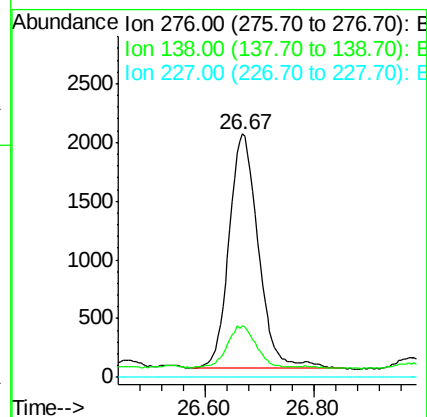
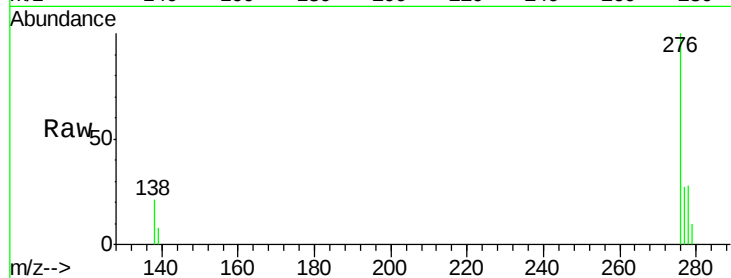
Tot Ion:276 Resp: 7426

Ion Ratio Lower Upper

276 100

138 17.8 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.12 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. -0.02 min

Lab File: BE094882.D

Acq: 28 Nov 2017 14:00

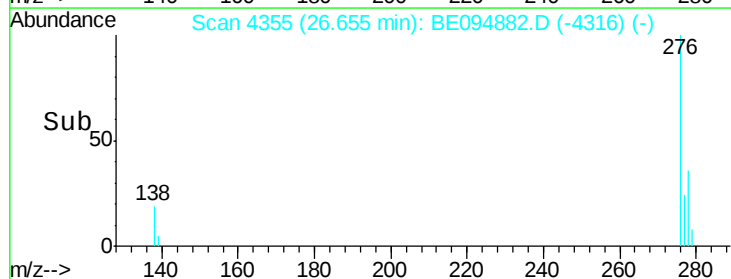
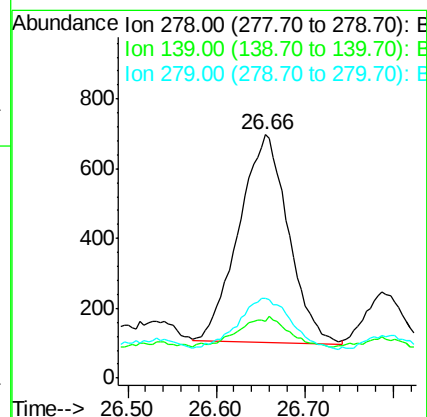
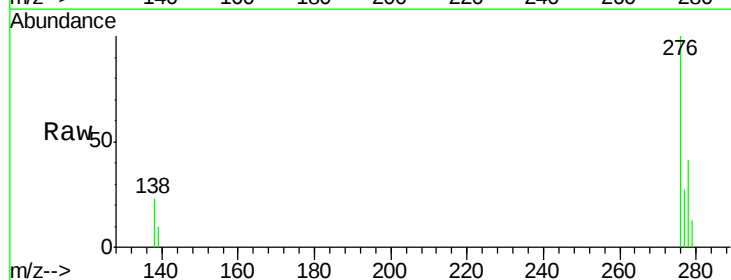
Tgt Ion:278 Resp: 2327

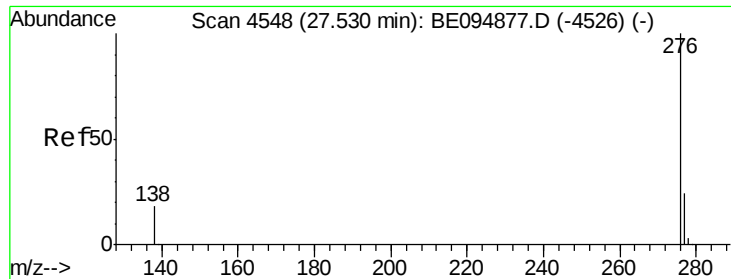
Ion Ratio Lower Upper

278 100

139 23.4 17.4 26.0

279 32.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.32 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. -0.02 min

Lab File: BE094882.D

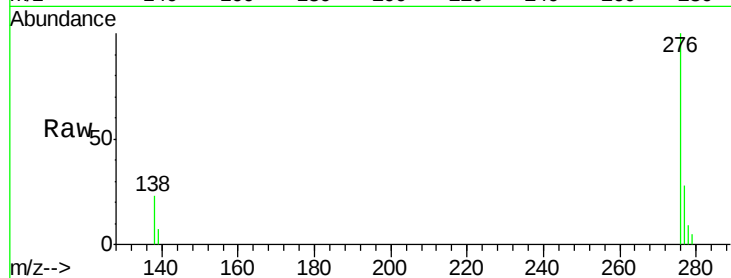
Acq: 28 Nov 2017 14:00

Instrument :

BNA_E

ClientSampleId :

C0AA0DL



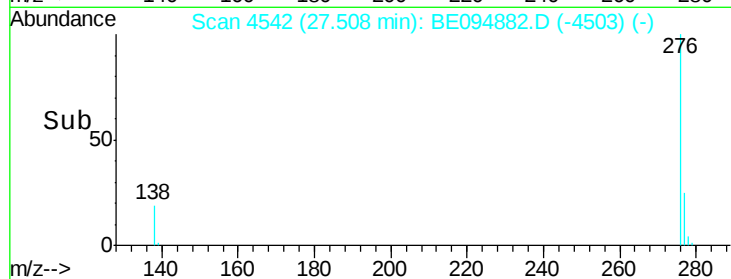
Tot Ion: 276 Resp: 6317

Ion Ratio Lower Upper

276 100

138 22.6 21.8 32.8

277 28.3 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

