

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094743.D
 Acq On : 4 Nov 2017 17:39
 Operator : SJ/JU
 Sample : I5825-14MS 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-19(0-1)-101117MS

Quant Time: Nov 06 00:36:00 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 Nov 06 00:30:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1186	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7004	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4018	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8649	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8491	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9040	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	708	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1597	0.06	ng/ul	0.00

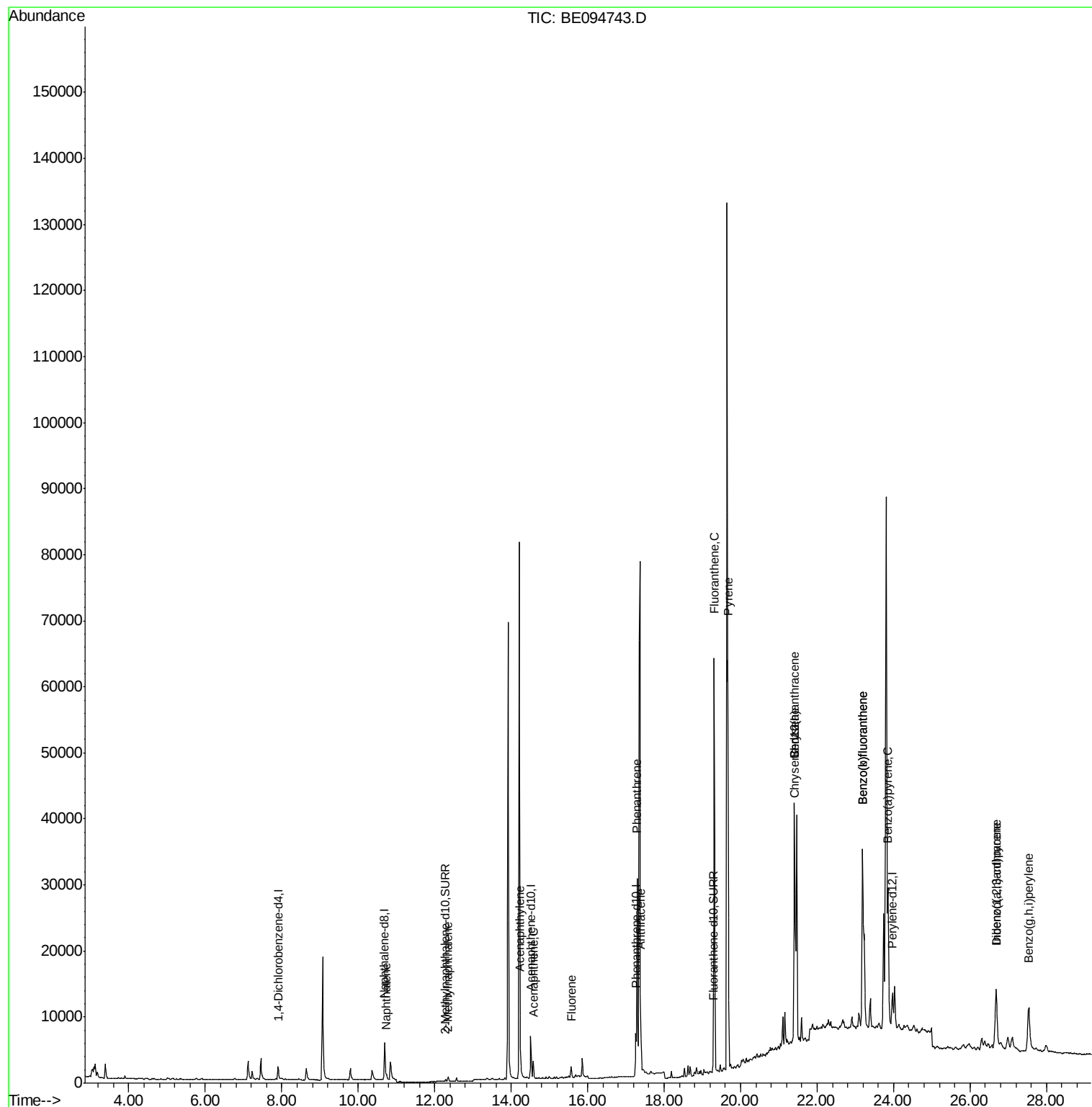
Target Compounds						Ovalue
3) Naphthalene	10.74	128	1194	0.07	ng/ul#	87
5) 2-Methylnaphthalene	12.35	142	789	0.07	ng/ul	98
7) Acenaphthylene	14.24	152	2262	0.12	ng/ul	94
8) Acenaphthene	14.58	153	1736	0.13	ng/ul	98
9) Fluorene	15.57	166	1284	0.09	ng/ul#	90
12) Phenanthrene	17.29	178	34769	1.52	ng/ul#	89
13) Anthracene	17.38	178	7190	0.32	ng/ul#	93
15) Fluoranthene	19.31	202	74136	2.81	ng/ul	84
17) Pyrene	19.67	202	67888	2.59	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	34778	1.43	ng/ul#	89
19) Chrysene	21.41	228	34778	1.39	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	69860	2.75	ng/ul	88
22) Benzo(k)fluoranthene	23.19	252	69541	2.55	ng/ul#	89
23) Benzo(a)pyrene	23.86	252	32858	1.29	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.69	276	21234	0.81	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.67	278	4833	0.22	ng/ul#	22
26) Benzo(a,h,i)perylene	27.53	276	19047	0.90	ng/ul#	82

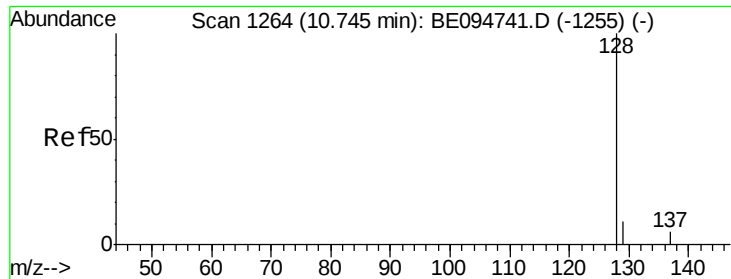
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS

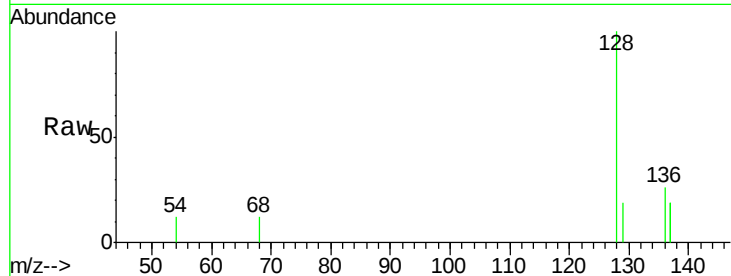
Tot Ion:128 Resp: 1194

Ion Ratio Lower Upper

128 100

129 19.2 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

10.74

600

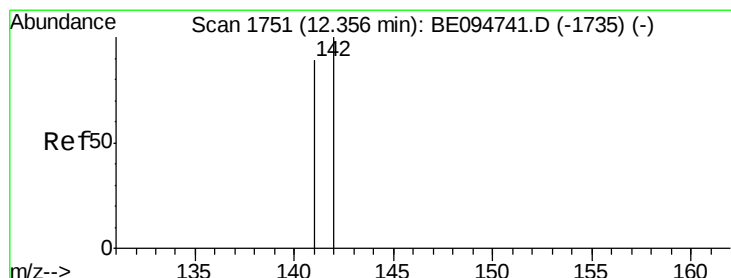
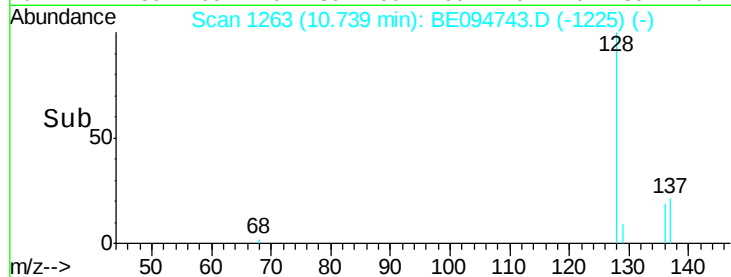
400

200

0

Time-->

10.70 10.80



#5

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.00 min

Lab File: BE094743.D

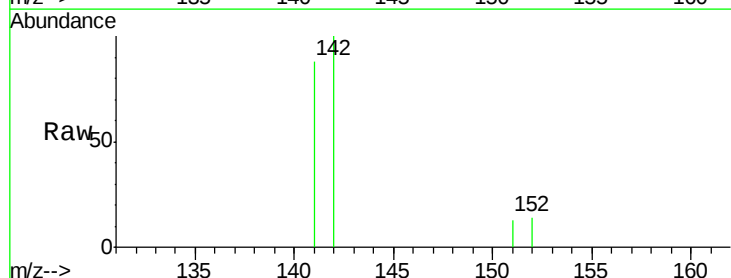
Acq: 4 Nov 2017 17:39

Tgt Ion:142 Resp: 789

Ion Ratio Lower Upper

142 100

141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.35

500

400

300

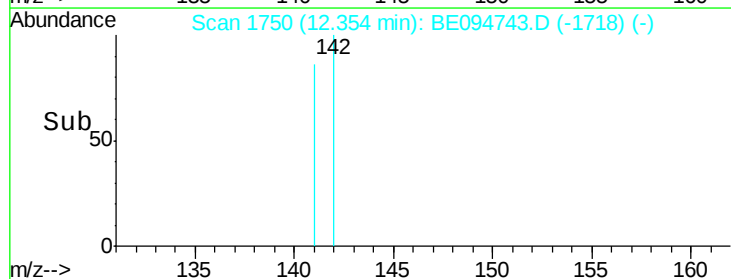
200

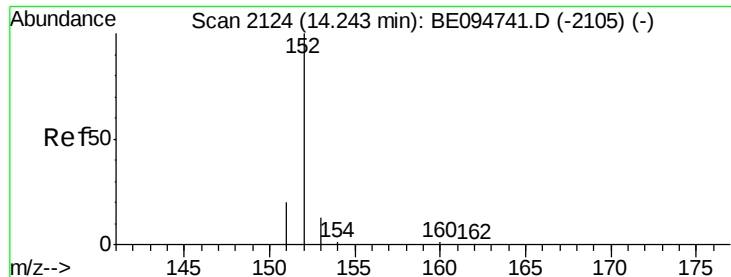
100

0

Time-->

12.30 12.40





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS

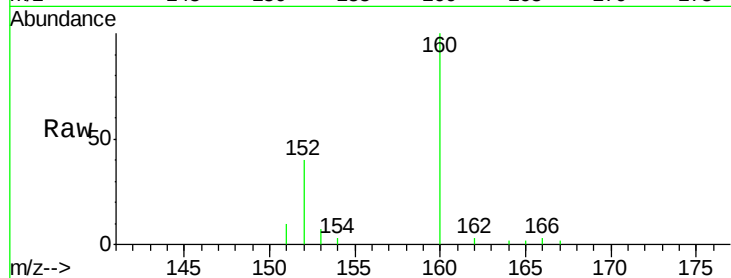
Tot Ion:152 Resp: 2262

Ion Ratio Lower Upper

152 100

151 24.2 17.1 25.7

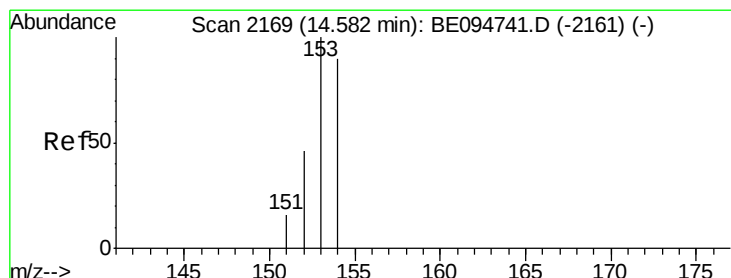
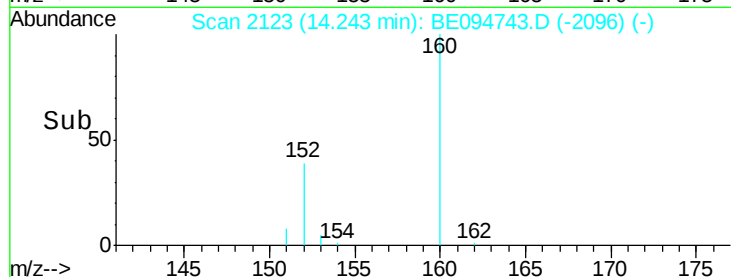
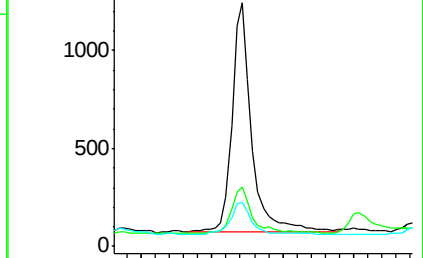
153 18.2 12.8 19.2



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: 0.13 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

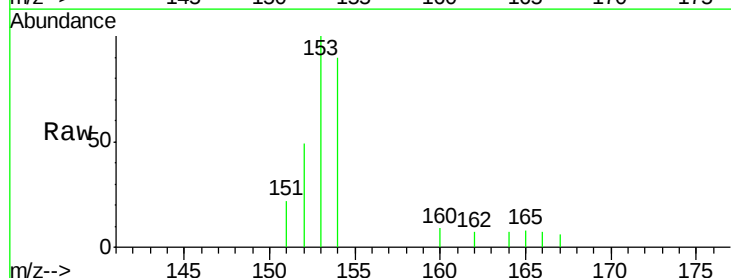
Tgt Ion:153 Resp: 1736

Ion Ratio Lower Upper

153 100

152 48.8 36.0 54.0

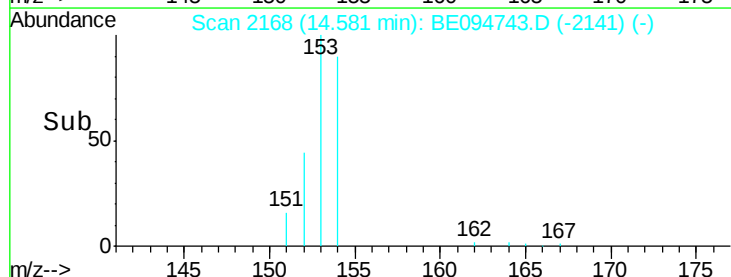
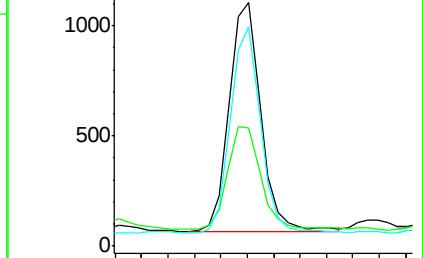
154 90.0 72.0 108.0

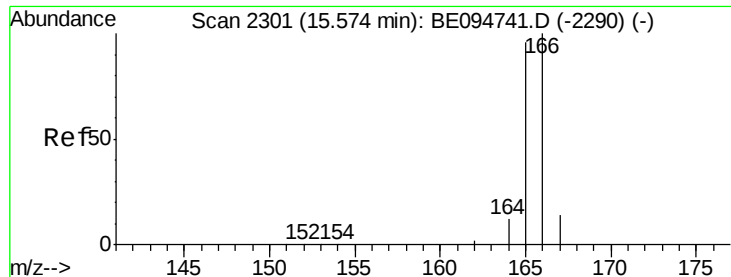


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS

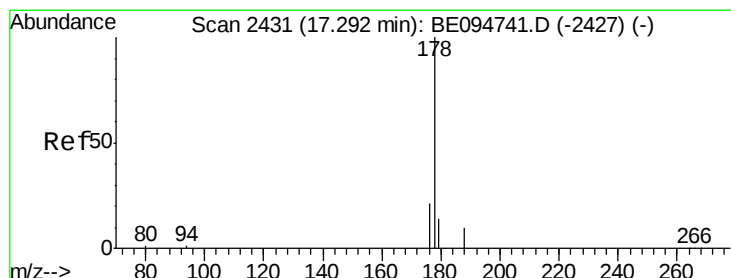
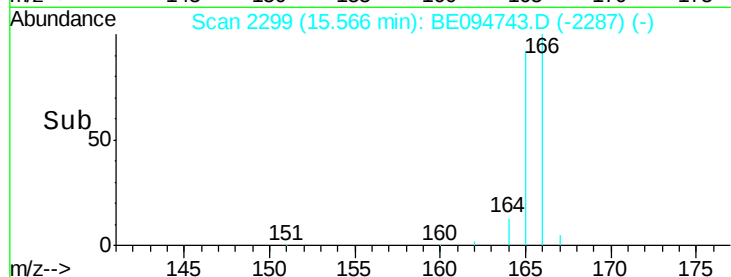
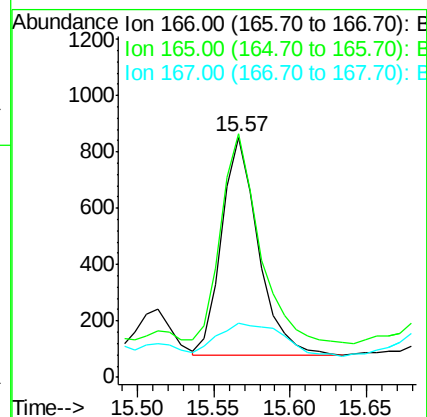
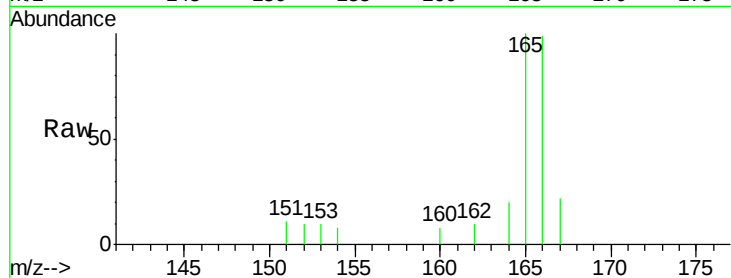
Tot Ion:166 Resp: 1284

Ion Ratio Lower Upper

166 100

165 101.3 73.4 110.2

167 22.5 14.6 22.0#



#12

Phenanthrene

Concen: 1.52 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

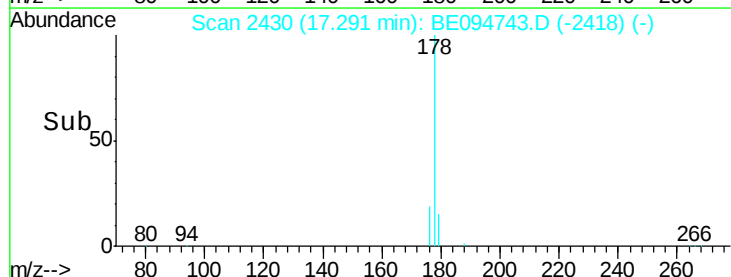
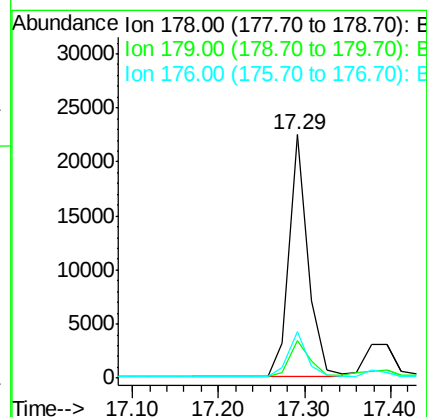
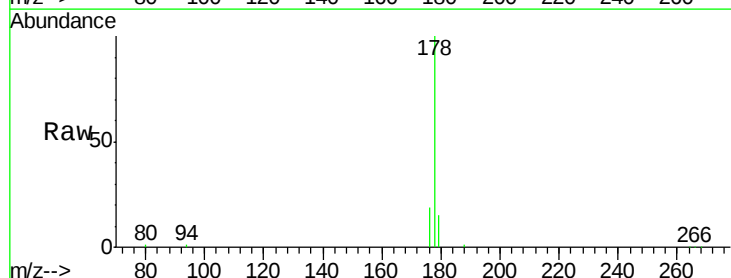
Tgt Ion:178 Resp: 34769

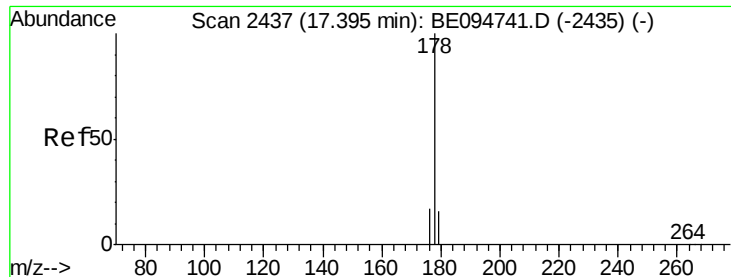
Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

176 18.9 13.6 20.4





#13

Anthracene

Concen: 0.32 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

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ClientSampleId :

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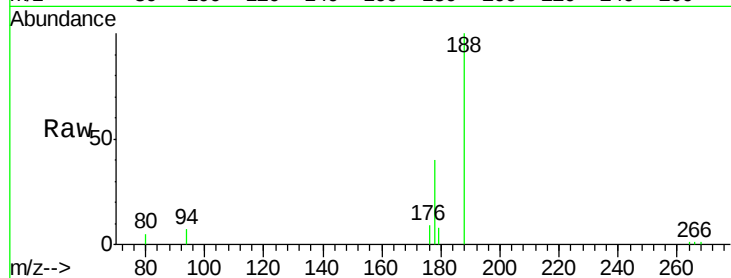
Tot Ion:178 Resp: 7190

Ion Ratio Lower Upper

178 100

179 21.2 18.1 27.1

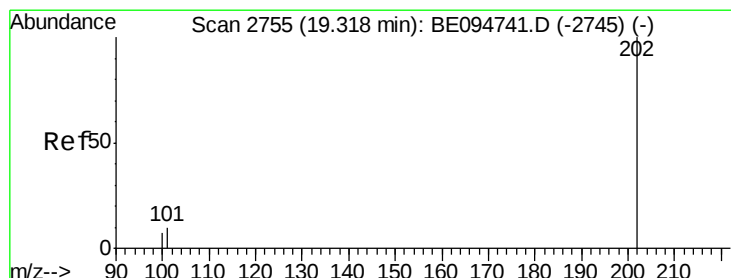
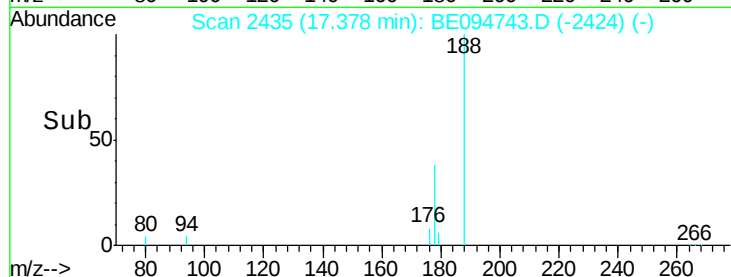
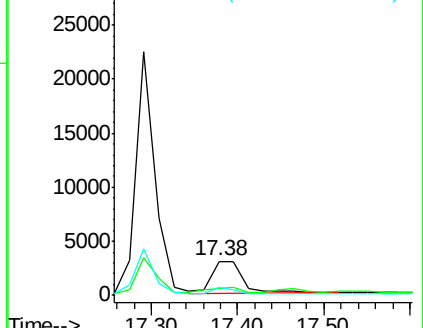
176 23.4 14.7 22.1#



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: 2.81 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

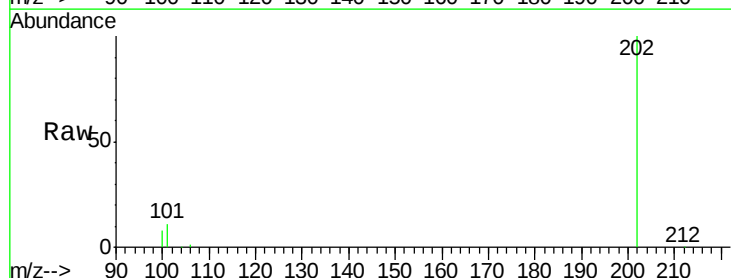
Tgt Ion:202 Resp: 74136

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

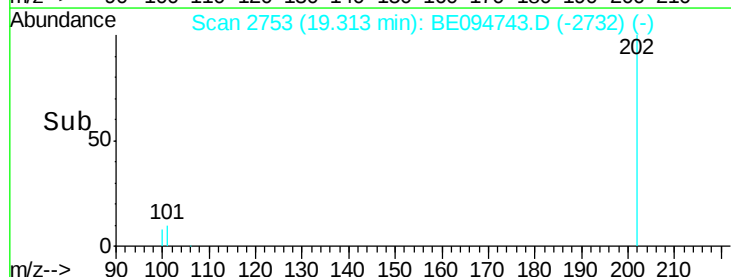
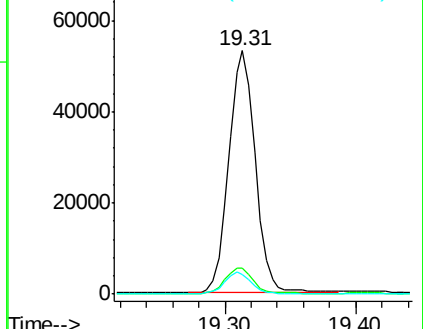
100 8.3 0.0 39.5

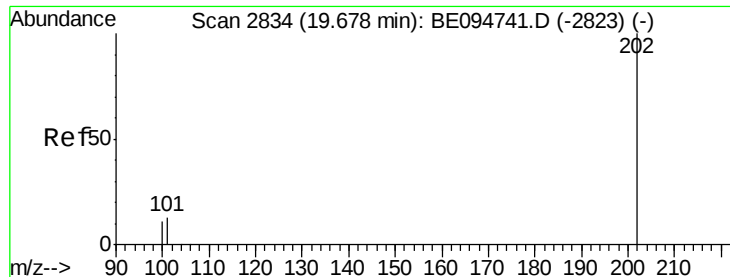


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 2.59 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

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ClientSampleId :

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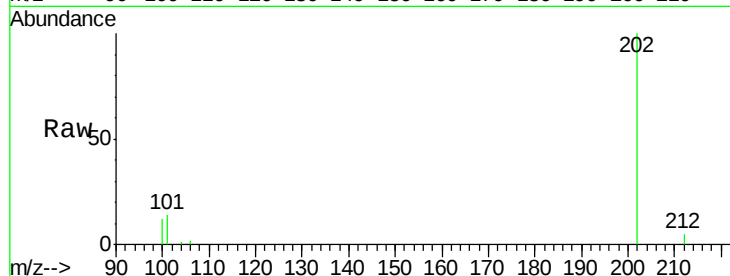
Tot Ion:202 Resp: 67888

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

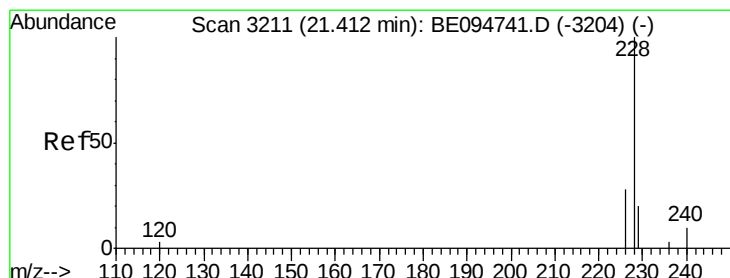
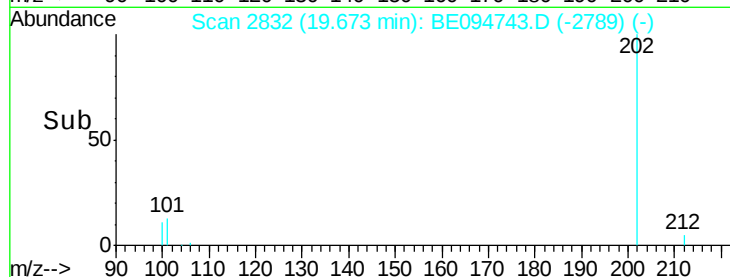
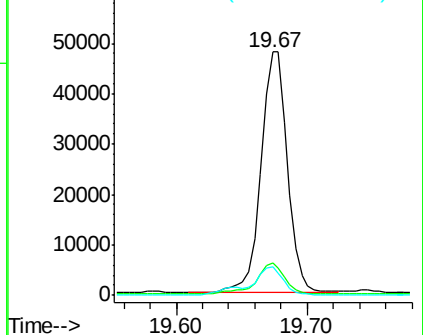
100 11.6 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 1.43 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

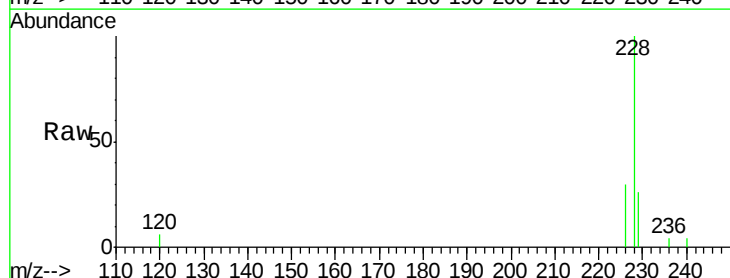
Tgt Ion:228 Resp: 34778

Ion Ratio Lower Upper

228 100

229 25.5 22.8 34.2

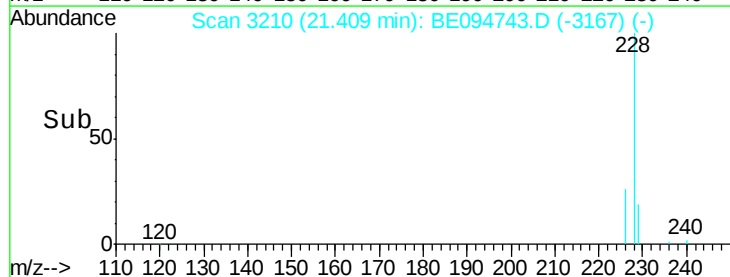
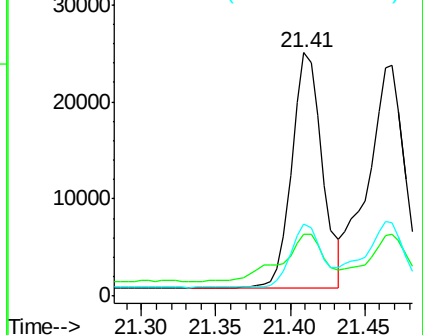
226 29.7 17.0 25.6#

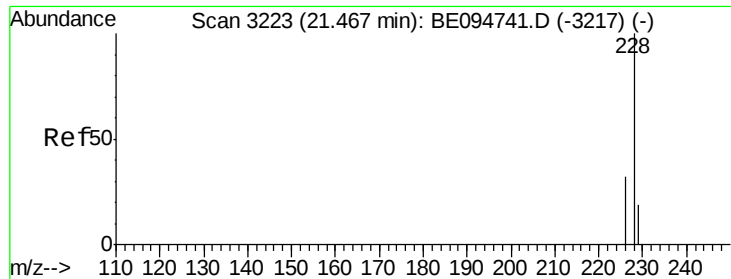


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.39 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.06 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

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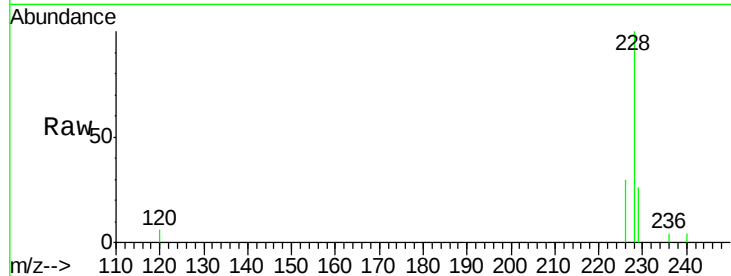
Tot Ion:228 Resp: 34778

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

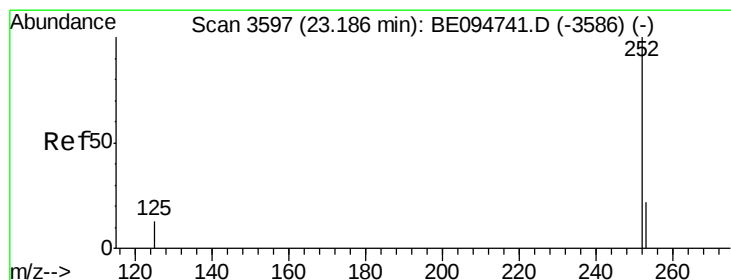
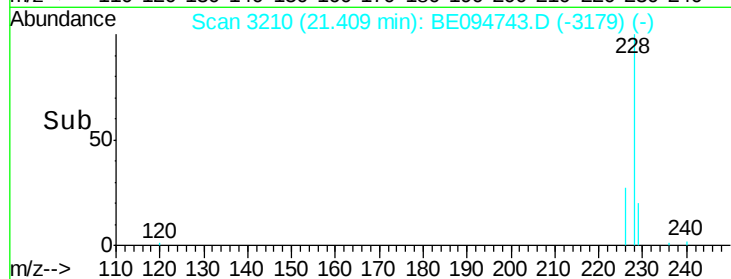
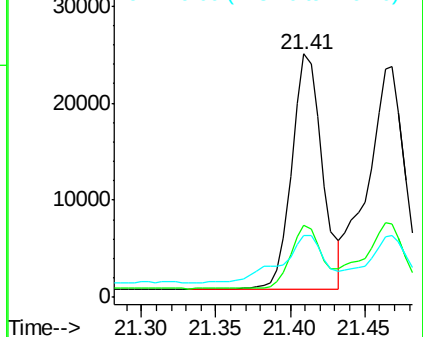
229 25.5 17.7 26.5



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: 2.75 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. 0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

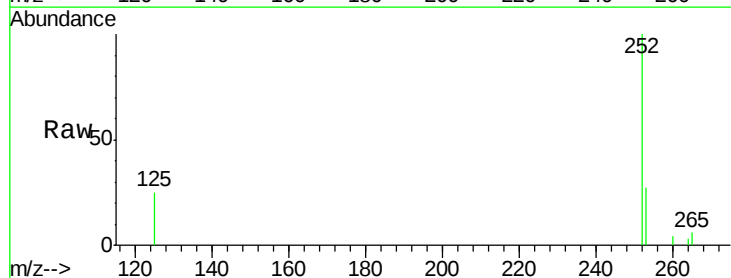
Tgt Ion:252 Resp: 69860

Ion Ratio Lower Upper

252 100

253 27.1 0.0 64.2

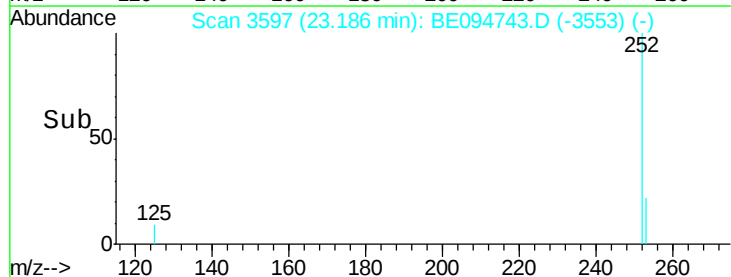
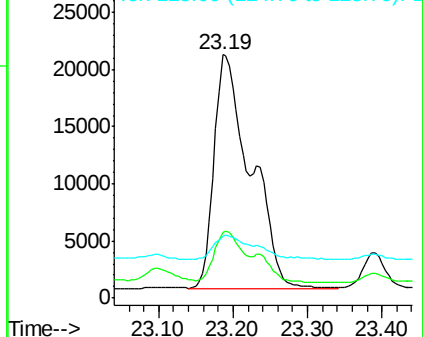
125 25.4 0.0 35.0

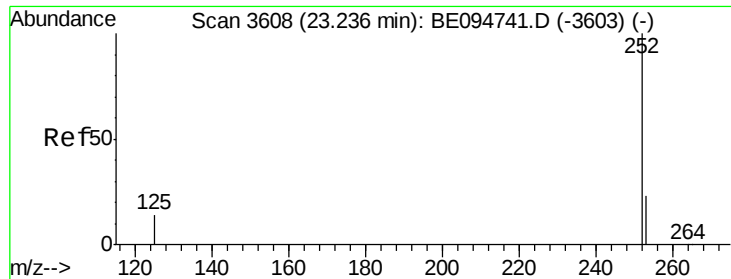


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.55 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS

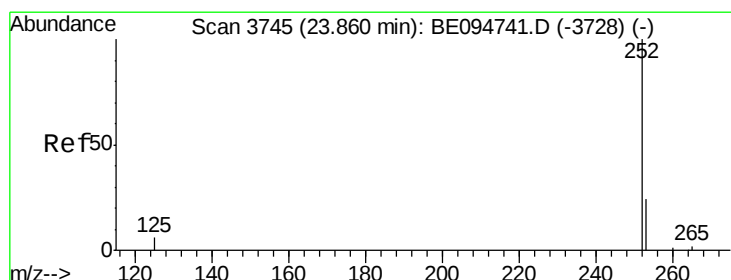
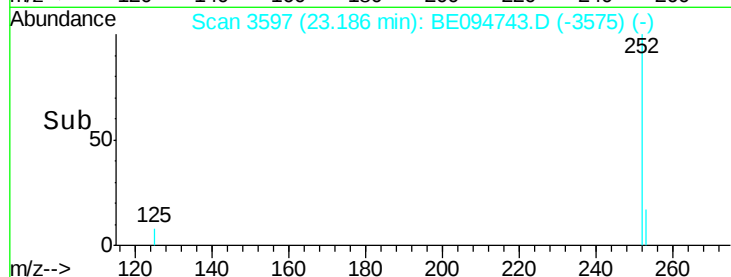
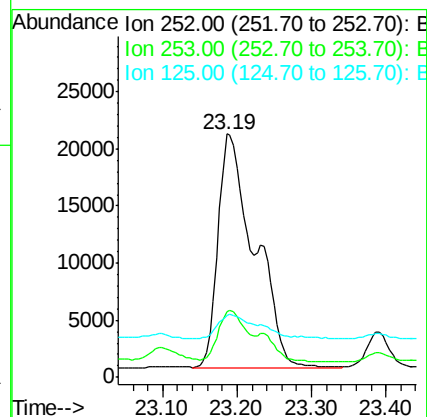
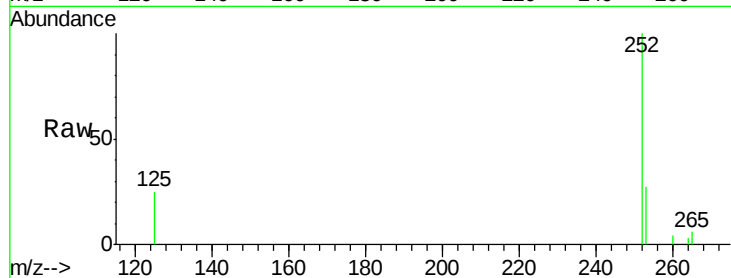
Tot Ion:252 Resp: 69541

Ion Ratio Lower Upper

252 100

253 27.1 24.5 36.7

125 25.4 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 1.29 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

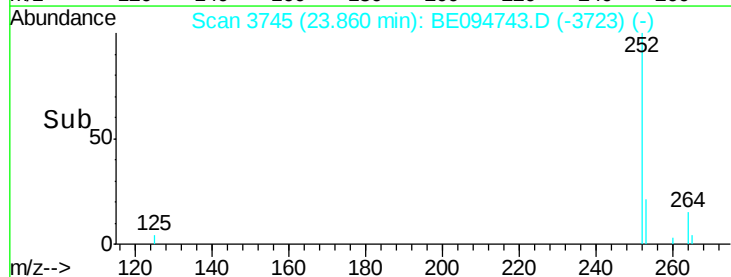
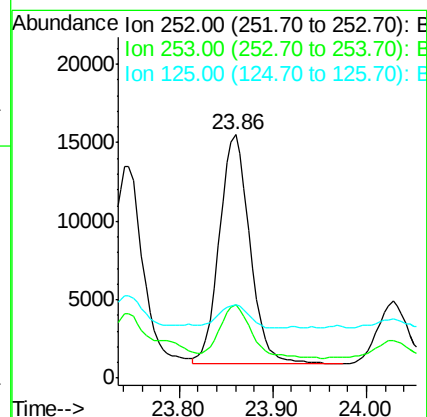
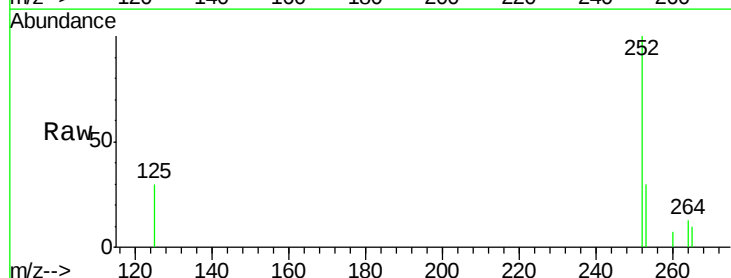
Tgt Ion:252 Resp: 32858

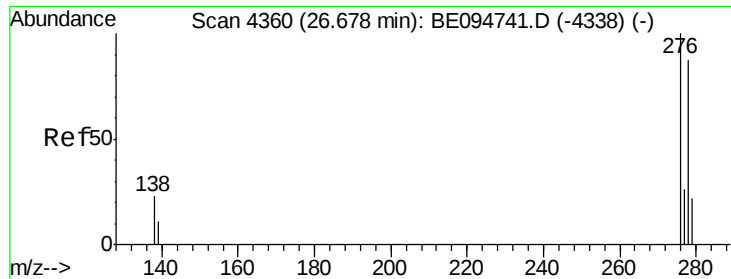
Ion Ratio Lower Upper

252 100

253 30.3 28.5 42.7

125 30.3 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.81 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS

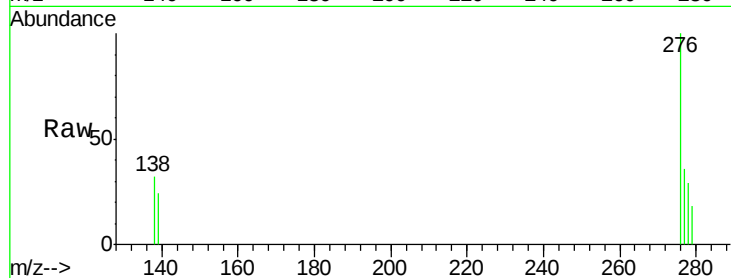
Tot Ion:276 Resp: 21234

Ion Ratio Lower Upper

276 100

138 19.8 28.0 42.0#

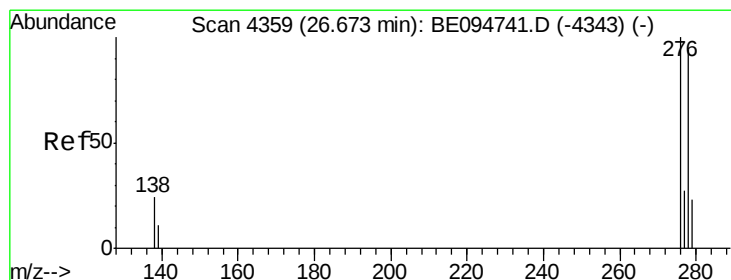
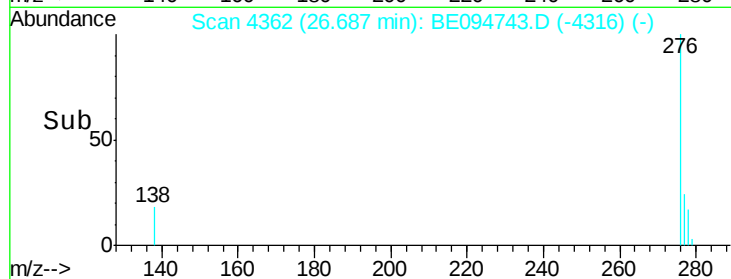
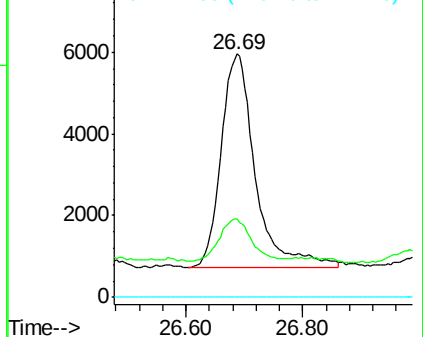
227 0.0 8.0 12.0#



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: 0.22 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BE094743.D

Acq: 4 Nov 2017 17:39

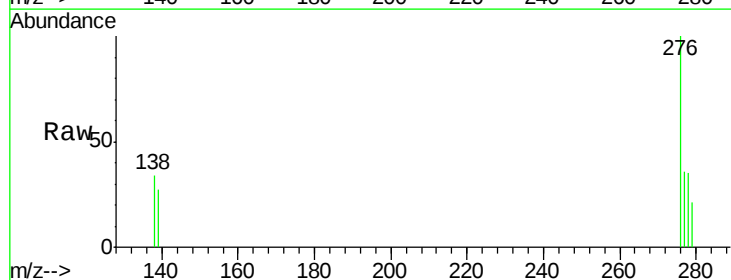
Tgt Ion:278 Resp: 4833

Ion Ratio Lower Upper

278 100

139 77.8 17.4 26.0#

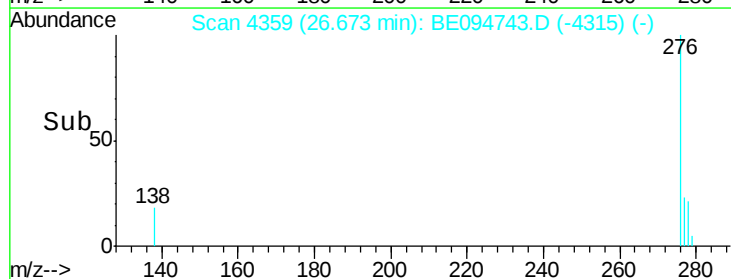
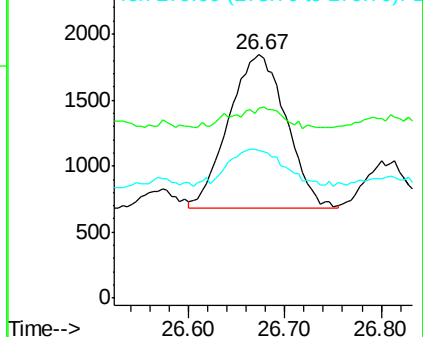
279 60.8 25.9 38.9#

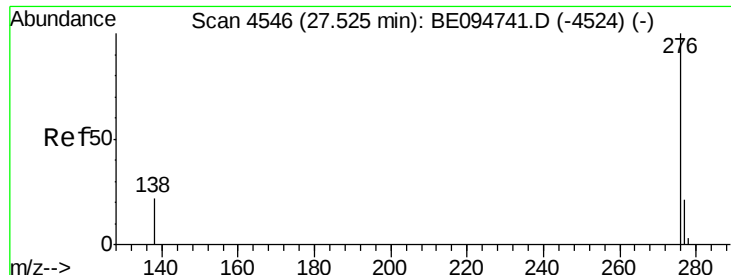


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.90 ng/ul

RT: 27.53 min Scan# 4548

Delta R.T. 0.01 min

Lab File: BE094743.D

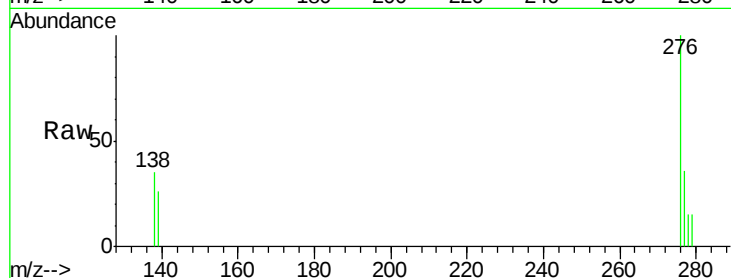
Acq: 4 Nov 2017 17:39

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MS



Tot Ion:276 Resp: 19047

Ion Ratio Lower Upper

276 100

138 35.3 21.8 32.8#

277 36.4 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

