

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094711.D
 Acq On : 3 Nov 2017 17:23
 Operator : SJ/JU
 Sample : I5825-09 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-64(1.5-2.5)-101117

Quant Time: Nov 03 23:59:55 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1493	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8815	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	4992	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10679	0.40	ng/ul	-0.04
16) Chrysene-d12	21.42	240	10542	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	11811	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	784	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1862	0.06	ng/ul	-0.02

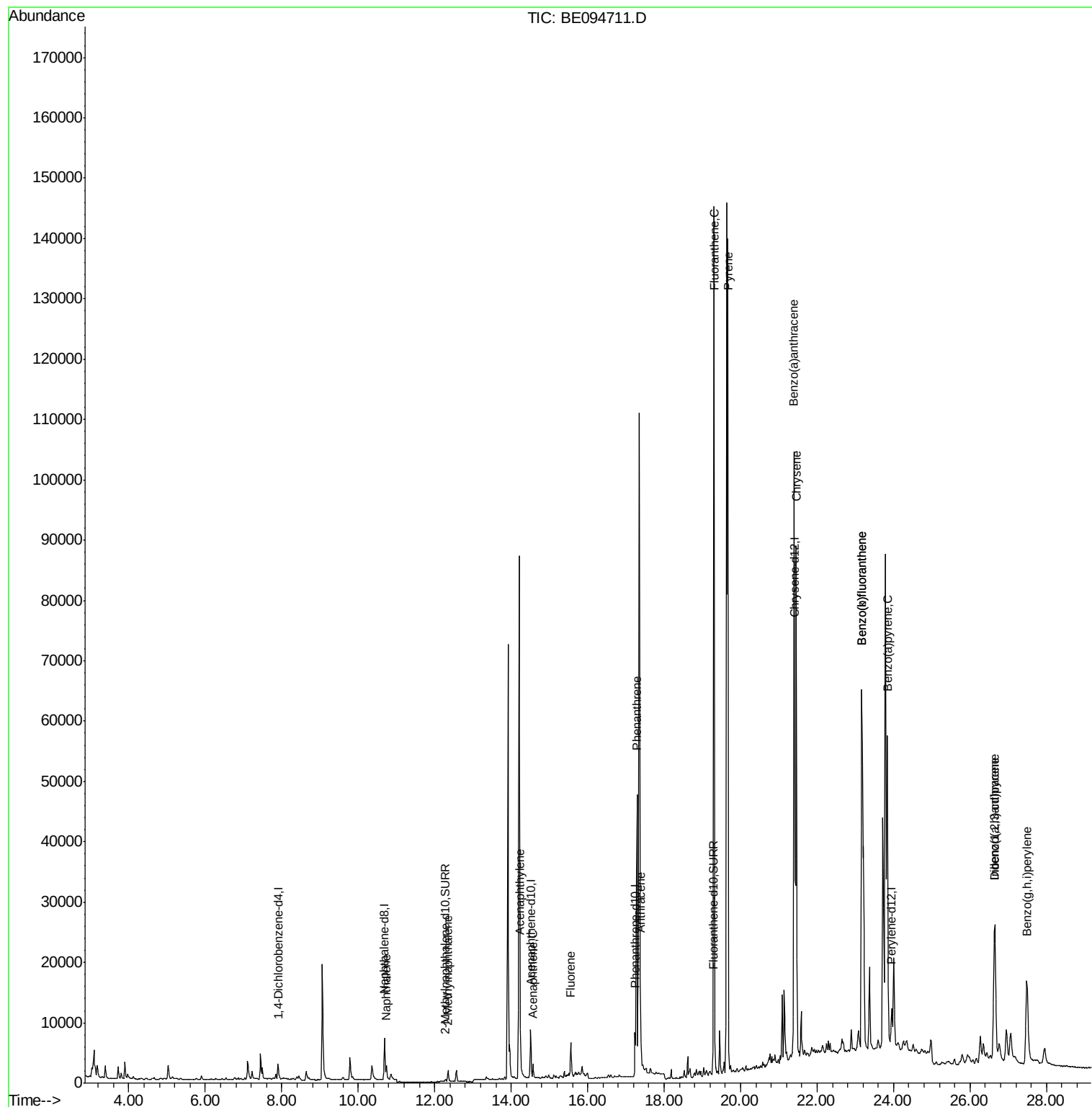
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	4005	0.19	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	2103	0.14	ng/ul	97
7) Acenaphthylene	14.24	152	13461	0.60	ng/ul	97
8) Acenaphthene	14.57	153	1686	0.10	ng/ul#	94
9) Fluorene	15.56	166	4252	0.23	ng/ul	94
12) Phenanthrene	17.29	178	66941	2.37	ng/ul#	93
13) Anthracene	17.38	178	17677	0.64	ng/ul#	94
15) Fluoranthene	19.30	202	165860	5.09	ng/ul	84
17) Pyrene	19.66	202	150440	4.62	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	91996	3.05	ng/ul#	87
19) Chrysene	21.45	228	90440	2.90	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	161125	4.85	ng/ul	88
22) Benzo(k)fluoranthene	23.17	252	161125	4.53	ng/ul#	90
23) Benzo(a)pyrene	23.84	252	82047	2.47	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.65	276	51781	1.51	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.64	278	12757	0.44	ng/ul#	82
26) Benzo(a,h,i)perylene	27.49	276	42227	1.53	ng/ul	98

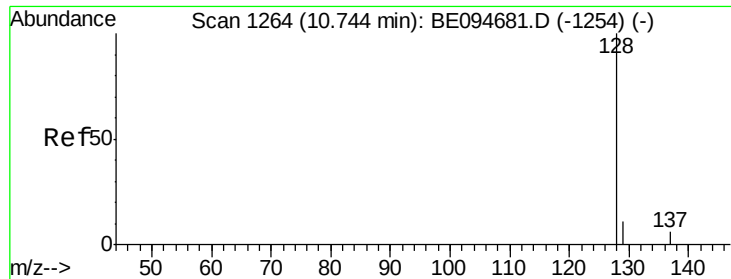
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.19 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117

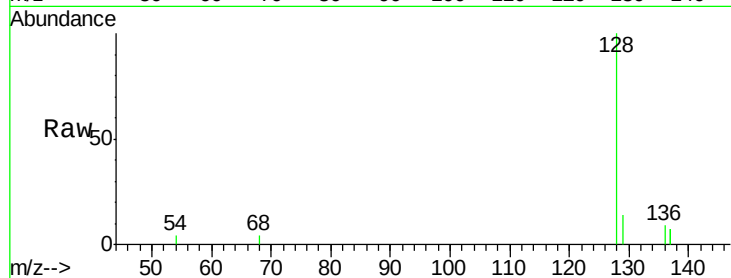
Tot Ion:128 Resp: 4005

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

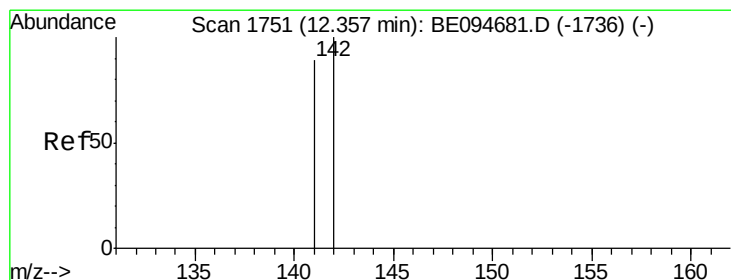
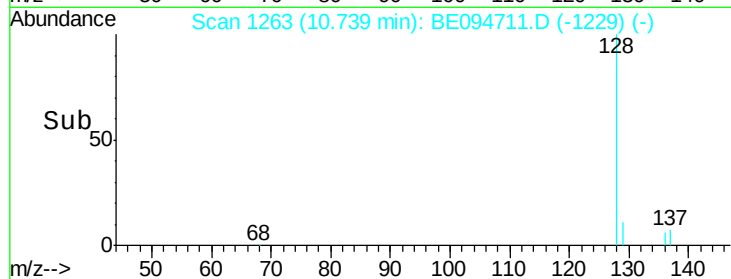
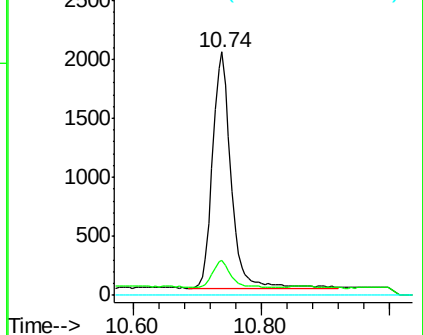
127 0.0 4.0 6.0#



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: 0.14 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BE094711.D

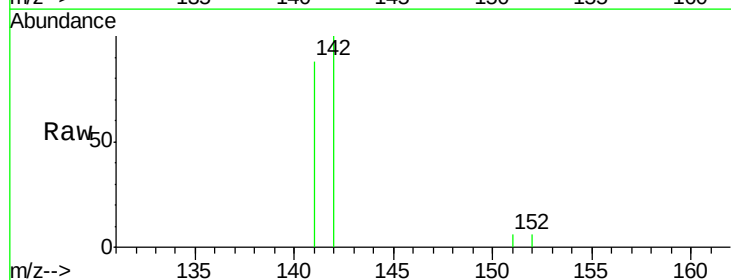
Acq: 3 Nov 2017 17:23

Tgt Ion:142 Resp: 2103

Ion Ratio Lower Upper

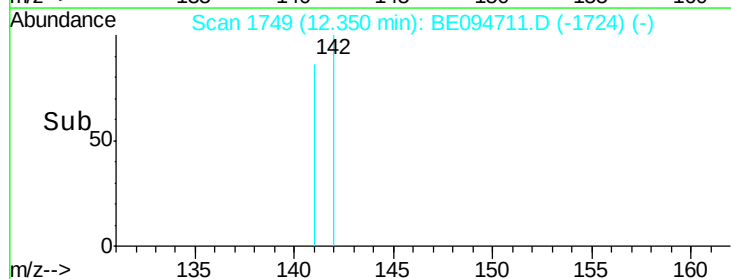
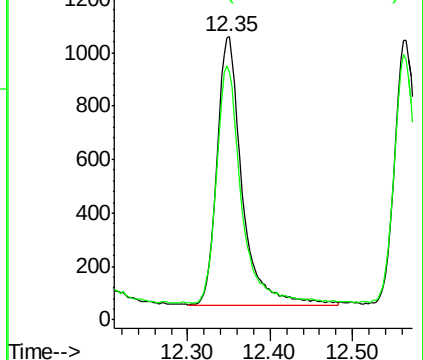
142 100

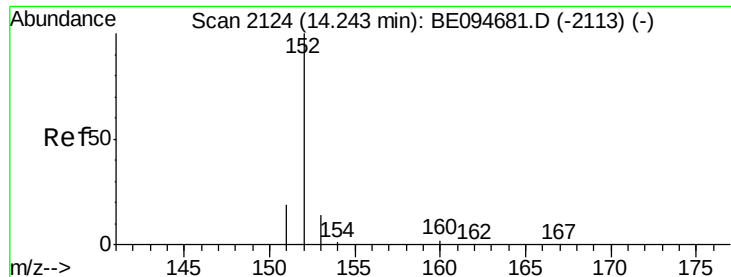
141 87.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.60 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117

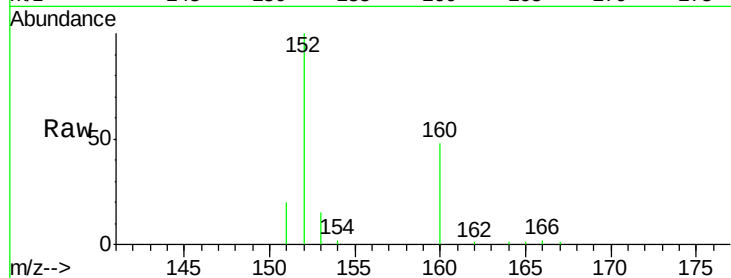
Tot Ion:152 Resp: 13461

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

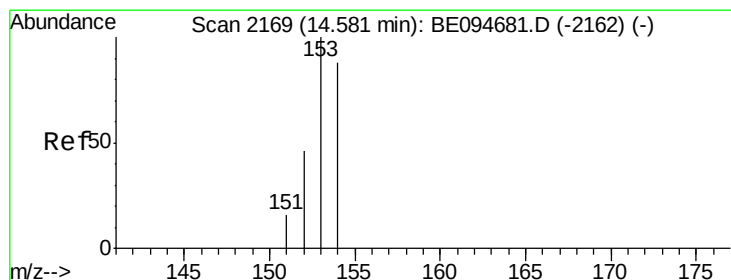
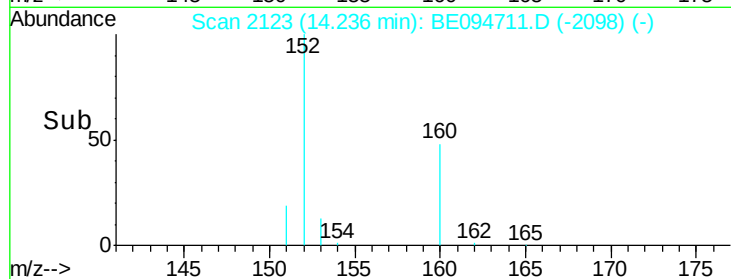
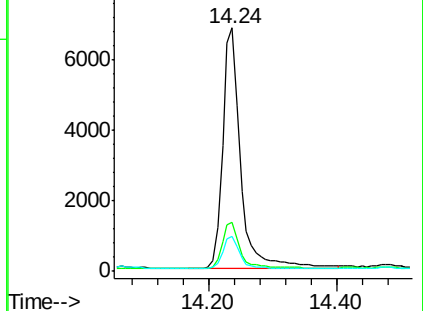
153 14.5 12.8 19.2



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: 0.10 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

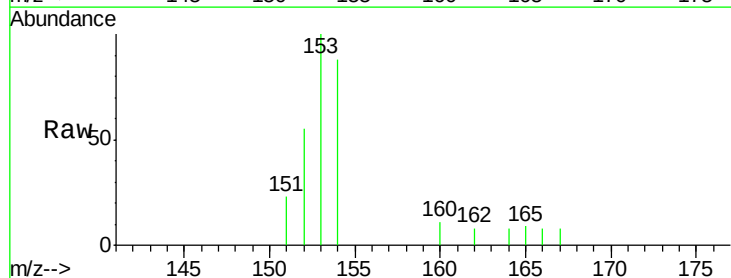
Tgt Ion:153 Resp: 1686

Ion Ratio Lower Upper

153 100

152 54.8 36.0 54.0#

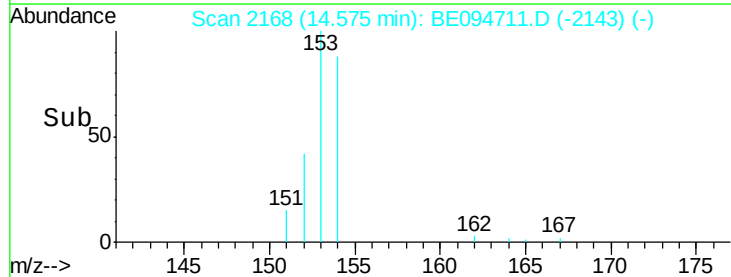
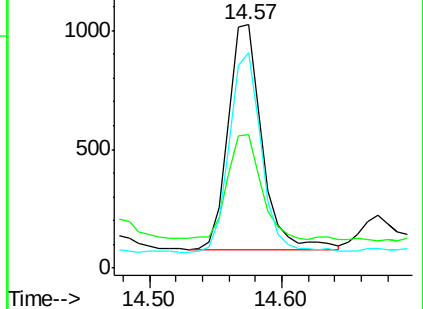
154 88.3 72.0 108.0

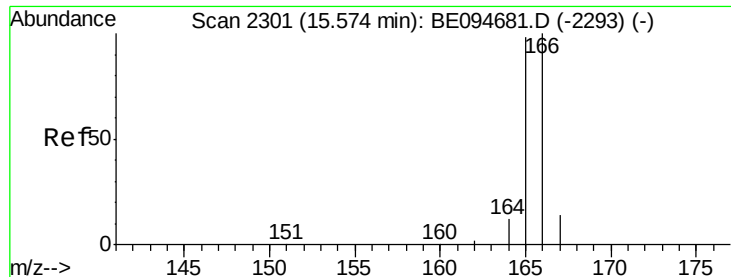


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

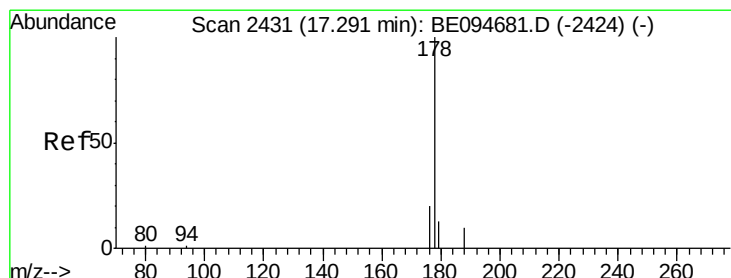
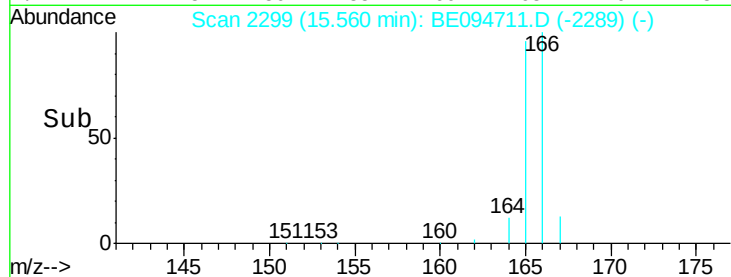
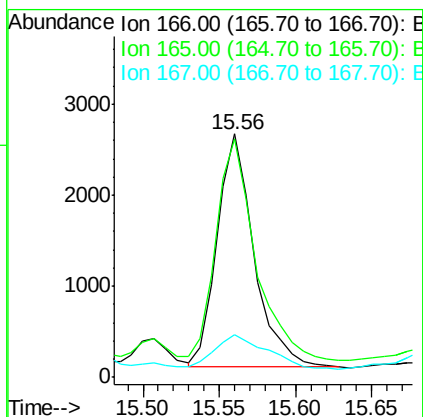
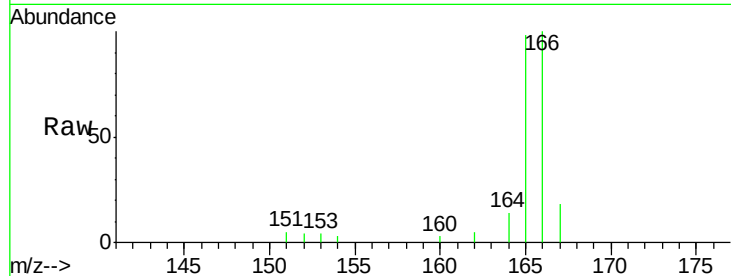




#9
Fluorene
 Concen: 0.23 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094711.D
 Acq: 3 Nov 2017 17:23

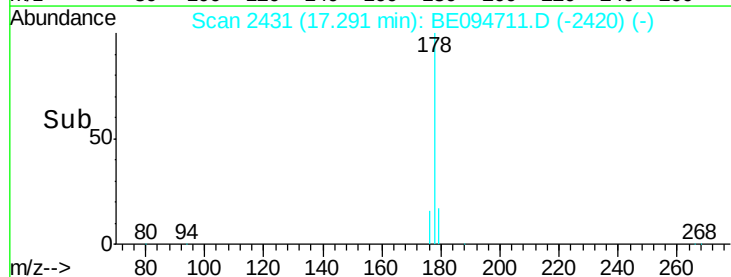
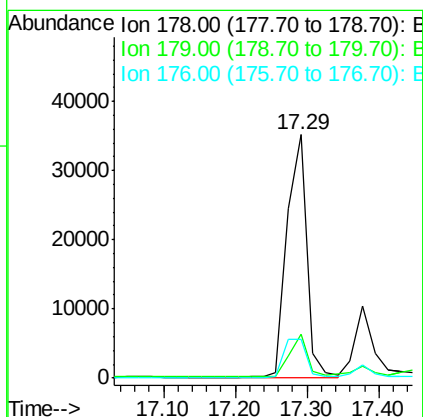
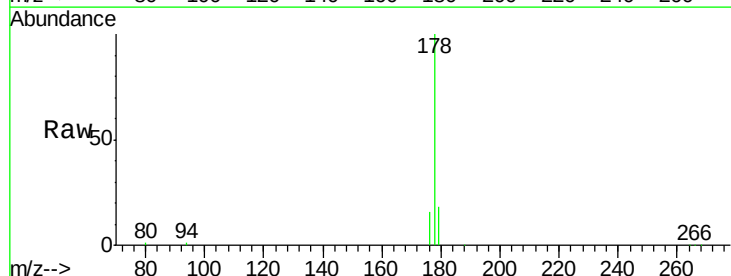
Instrument :
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 B-64(1.5-2.5)-101117

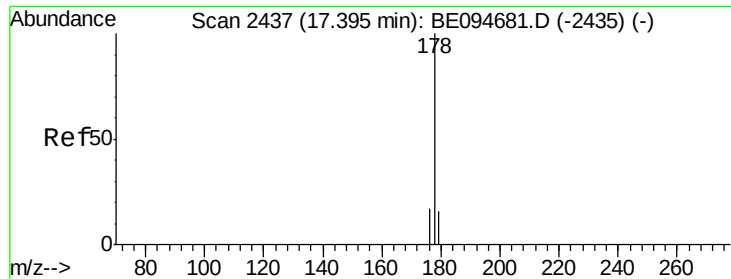
Tot Ion:166 Resp: 4252
 Ion Ratio Lower Upper
 166 100
 165 98.1 73.4 110.2
 167 17.8 14.6 22.0



#12
Phenanthrene
 Concen: 2.37 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094711.D
 Acq: 3 Nov 2017 17:23

Tgt Ion:178 Resp: 66941
 Ion Ratio Lower Upper
 178 100
 179 17.8 18.4 27.6#
 176 15.9 13.6 20.4





#13

Anthracene

Concen: 0.64 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.04 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117

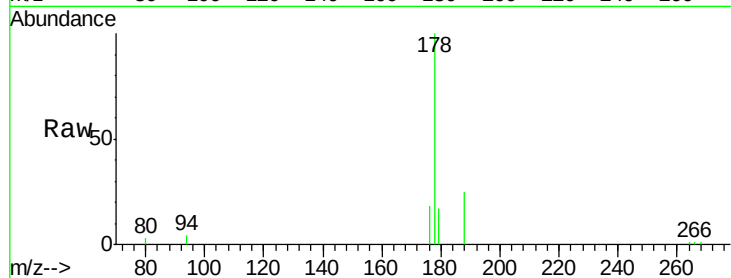
Tot Ion:178 Resp: 17677

Ion Ratio Lower Upper

178 100

179 17.4 18.1 27.1#

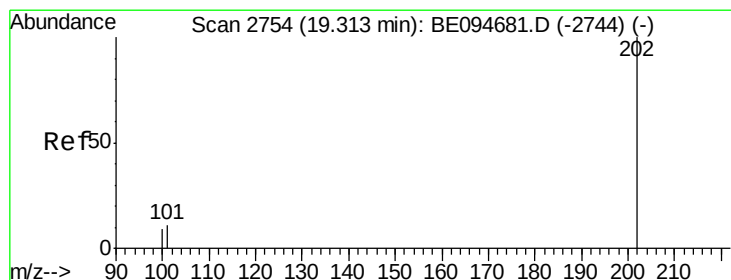
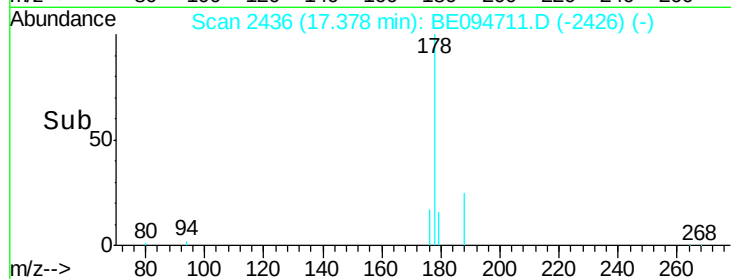
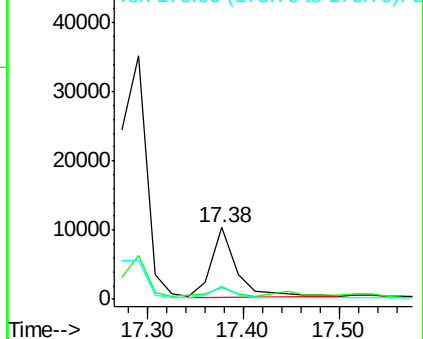
176 18.1 14.7 22.1



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: 5.09 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

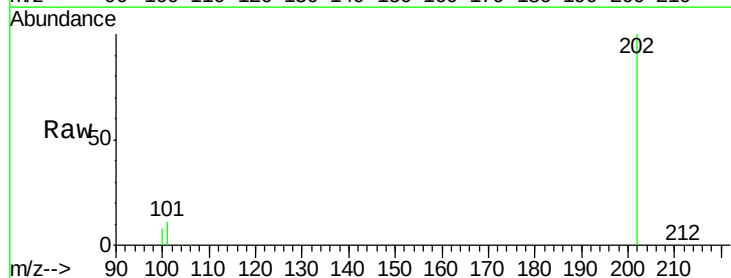
Tgt Ion:202 Resp: 165860

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

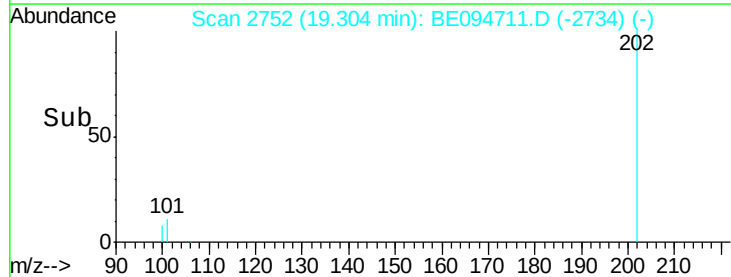
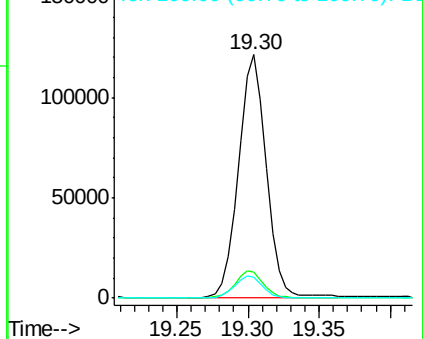
100 8.4 0.0 39.5

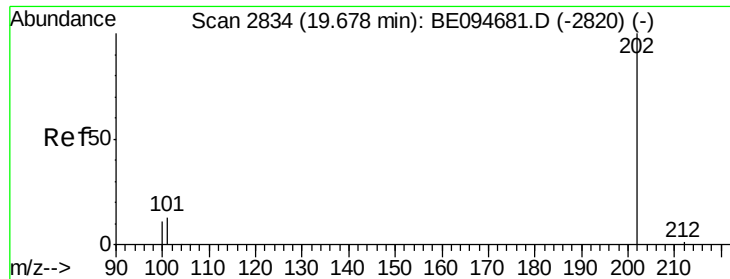


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 4.62 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

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ClientSampleId :

B-64(1.5-2.5)-101117

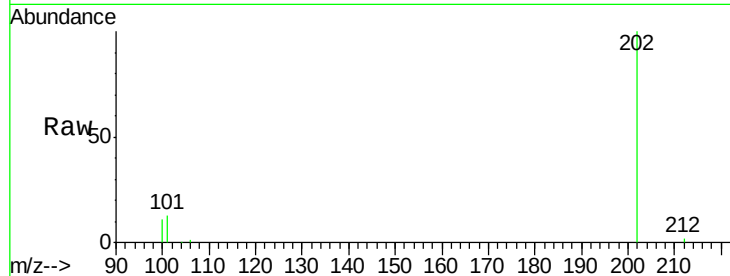
Tot Ion:202 Resp: 150440

Ion Ratio Lower Upper

202 100

101 13.0 18.2 27.4#

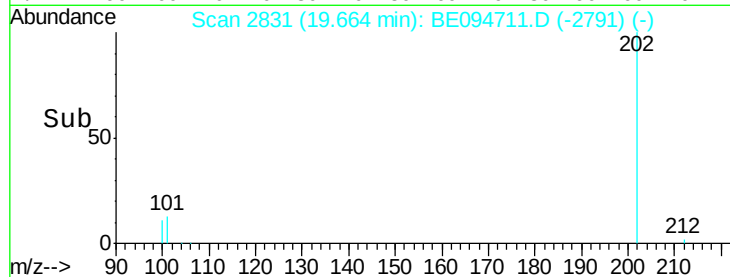
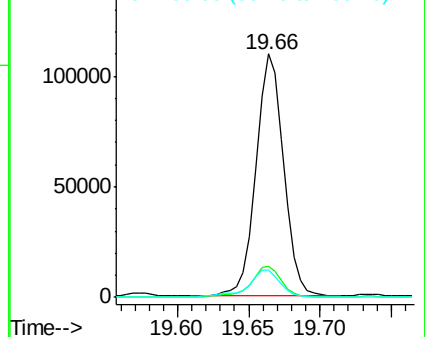
100 11.2 15.6 23.4#



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: 3.05 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

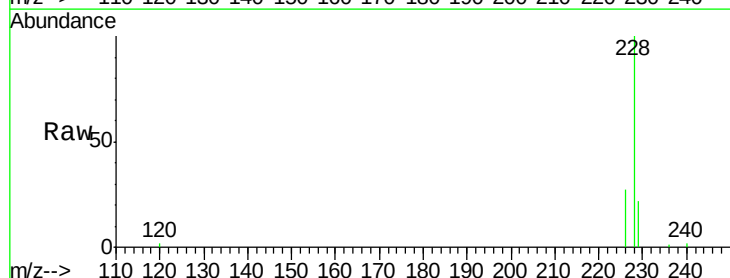
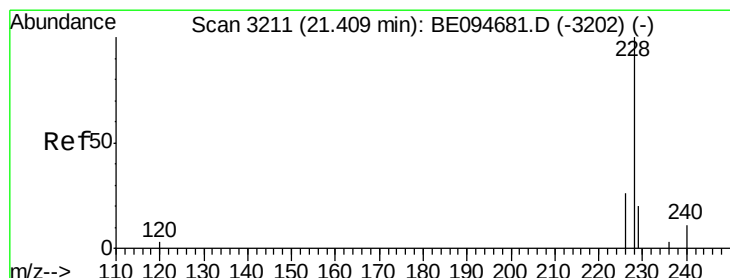
Tgt Ion:228 Resp: 91996

Ion Ratio Lower Upper

228 100

229 21.8 22.8 34.2#

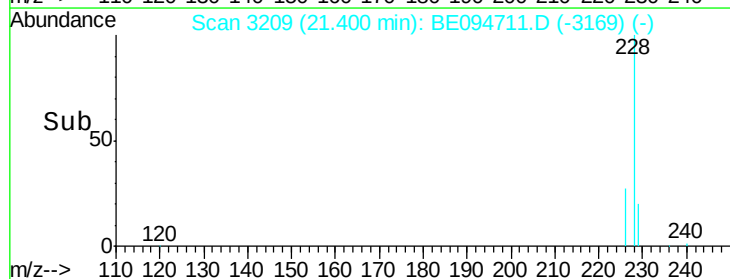
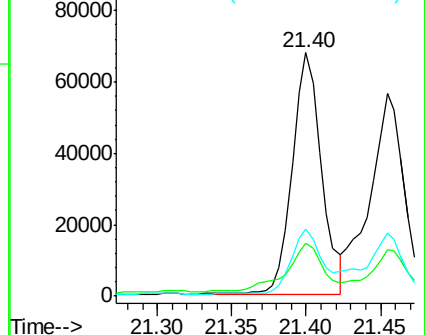
226 27.4 17.0 25.6#

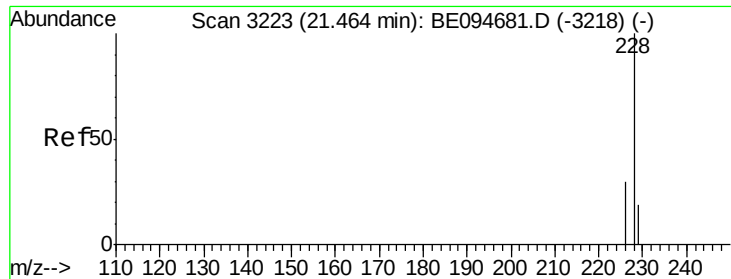


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.90 ng/ul

RT: 21.45 min Scan# 3221

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

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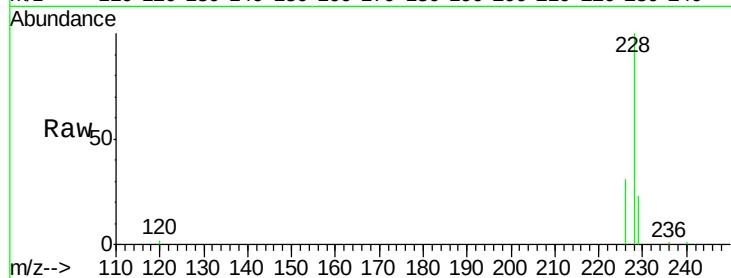
Tot Ion:228 Resp: 90440

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

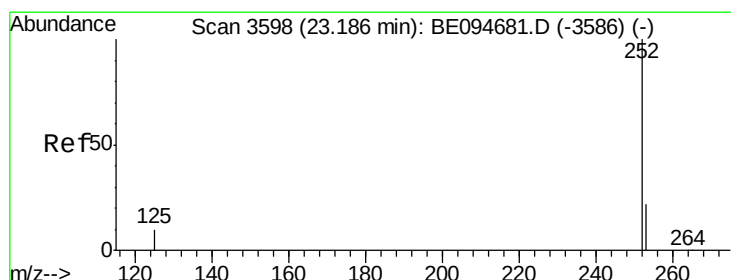
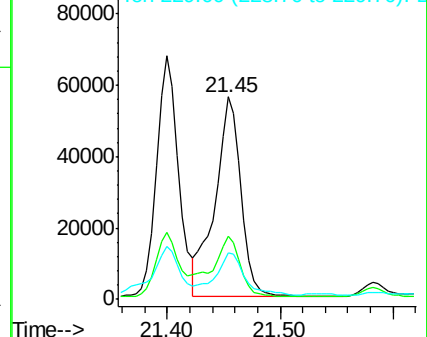
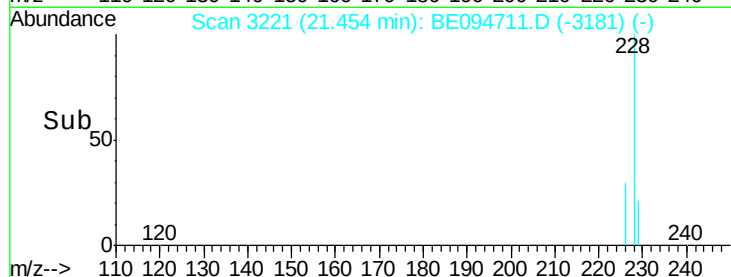
229 22.7 17.7 26.5



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: 4.85 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

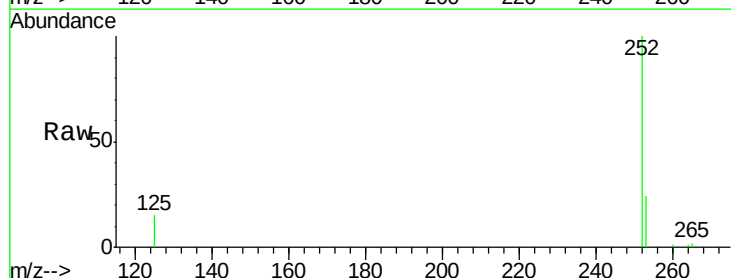
Tgt Ion:252 Resp: 161125

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

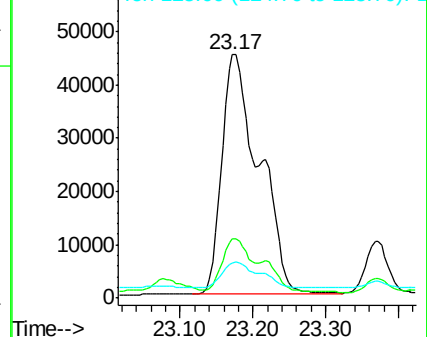
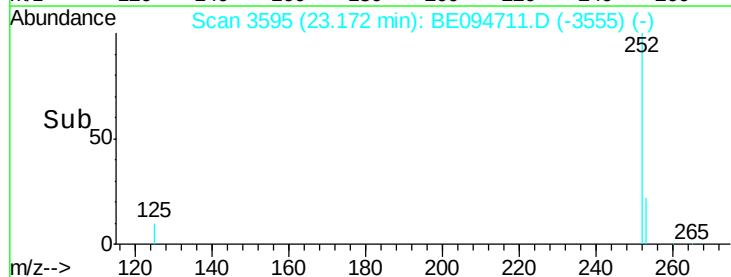
125 14.5 0.0 35.0

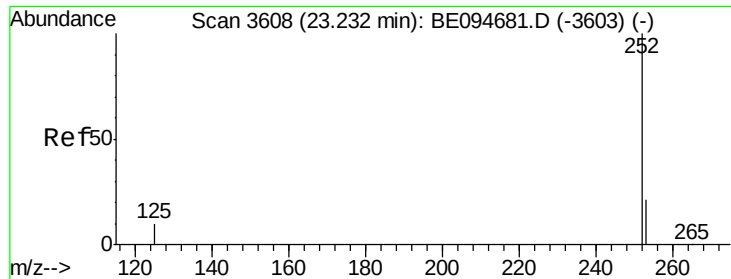


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.53 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117

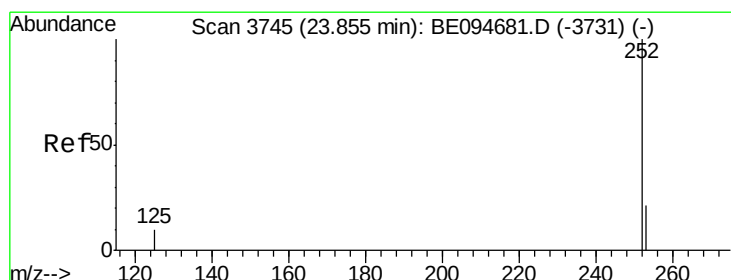
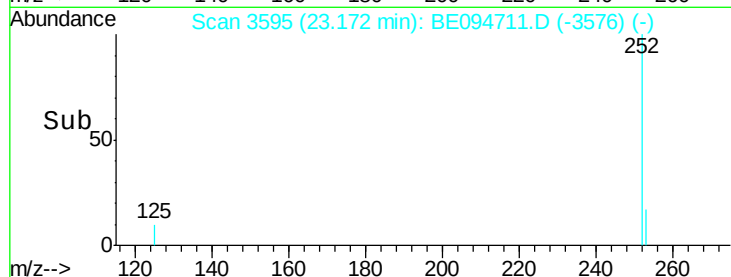
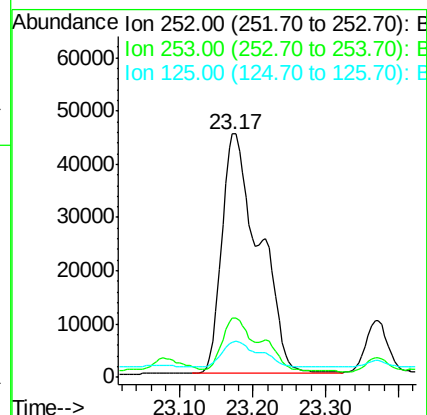
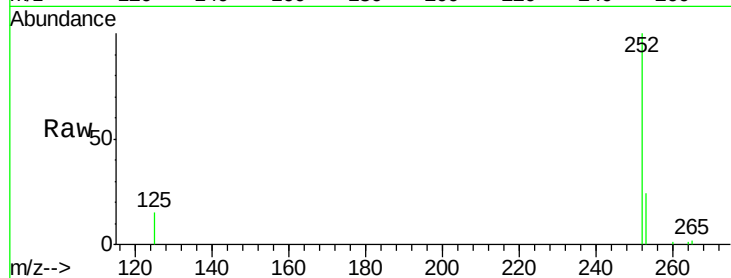
Tot Ion:252 Resp: 161125

Ion Ratio Lower Upper

252 100

253 24.2 24.5 36.7#

125 14.5 13.7 20.5



#23

Benzo(a)pyrene

Concen: 2.47 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

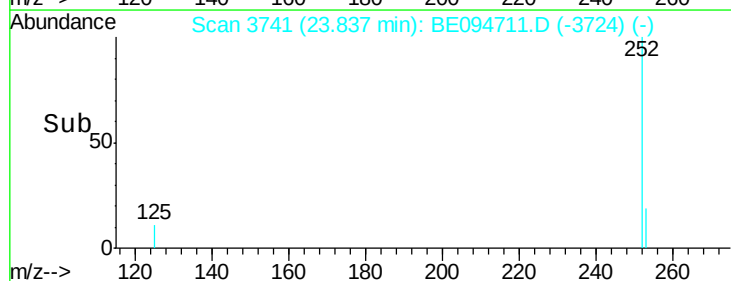
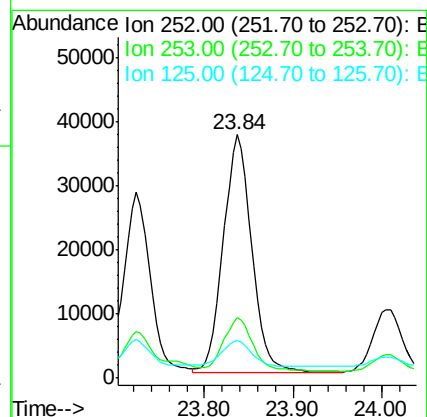
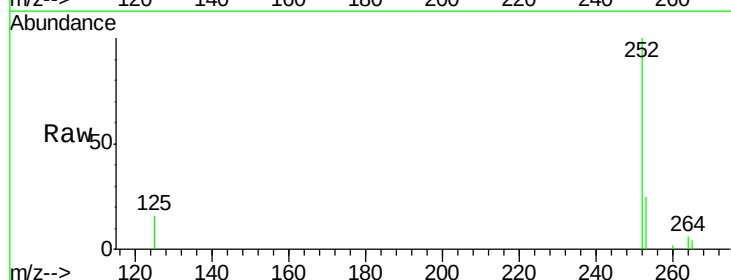
Tgt Ion:252 Resp: 82047

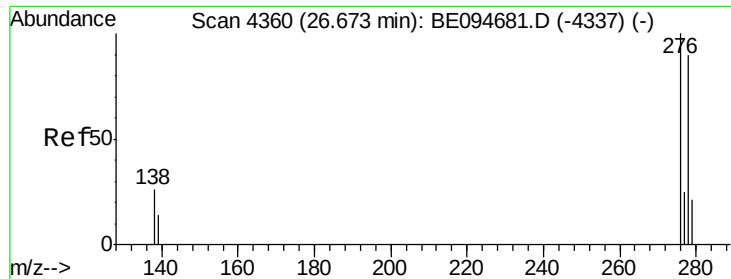
Ion Ratio Lower Upper

252 100

253 24.8 28.5 42.7#

125 15.6 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.51 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.04 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117

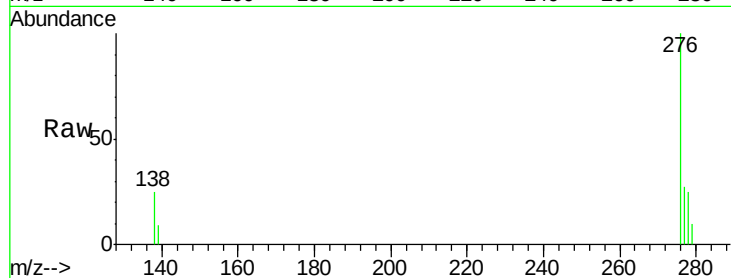
Tot Ion:276 Resp: 51781

Ion Ratio Lower Upper

276 100

138 19.9 28.0 42.0#

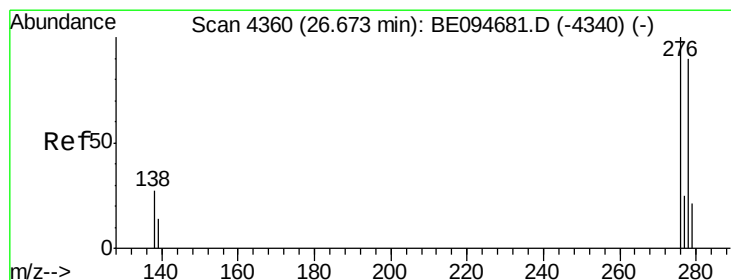
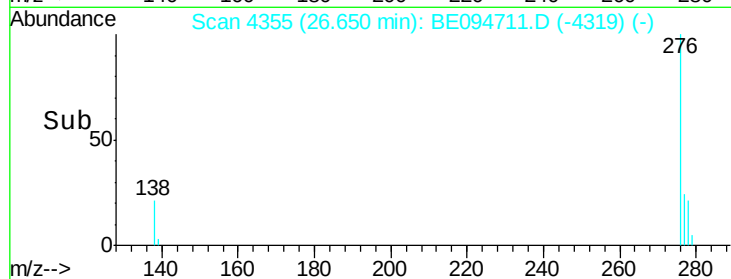
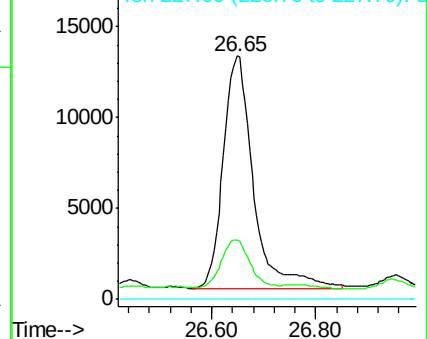
227 0.0 8.0 12.0#



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: 0.44 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.04 min

Lab File: BE094711.D

Acq: 3 Nov 2017 17:23

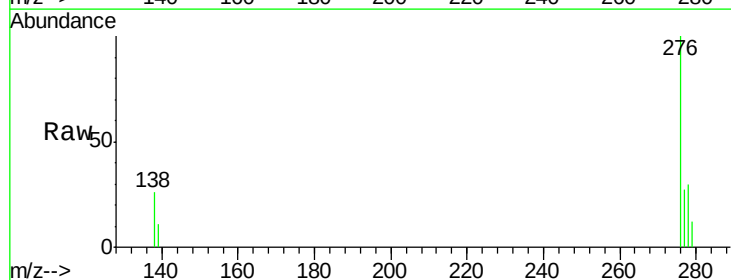
Tgt Ion:278 Resp: 12757

Ion Ratio Lower Upper

278 100

139 35.8 17.4 26.0#

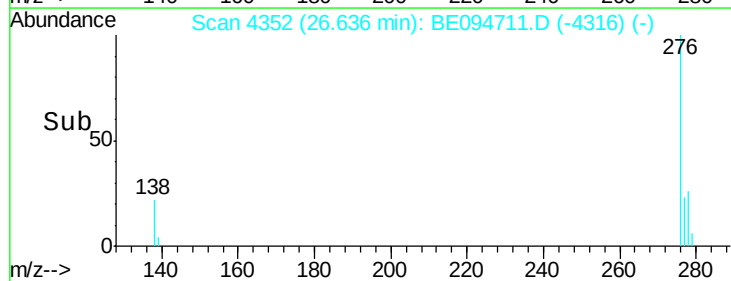
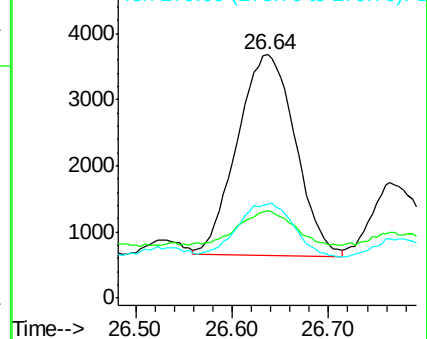
279 38.6 25.9 38.9

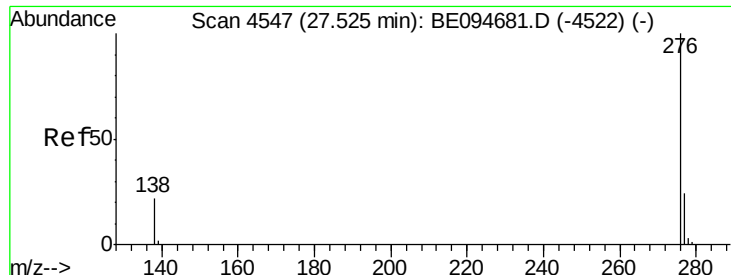


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.53 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.03 min

Lab File: BE094711.D

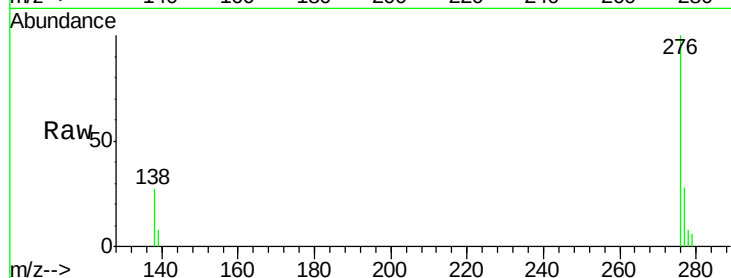
Acq: 3 Nov 2017 17:23

Instrument :

BNA_E

ClientSampleId :

B-64(1.5-2.5)-101117



Tot Ion:276 Resp: 42227

Ion Ratio Lower Upper

276 100

138 27.1 21.8 32.8

277 28.0 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

