

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094760.D
 Acq On : 6 Nov 2017 19:15
 Operator : SJ/JU
 Sample : I6096-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-76(1-3)-102317

Quant Time: Nov 07 00:14:58 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 00:12:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1385	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8227	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4529	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9914	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	9820	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10535	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	225	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1205	0.04	ng/ul	0.00

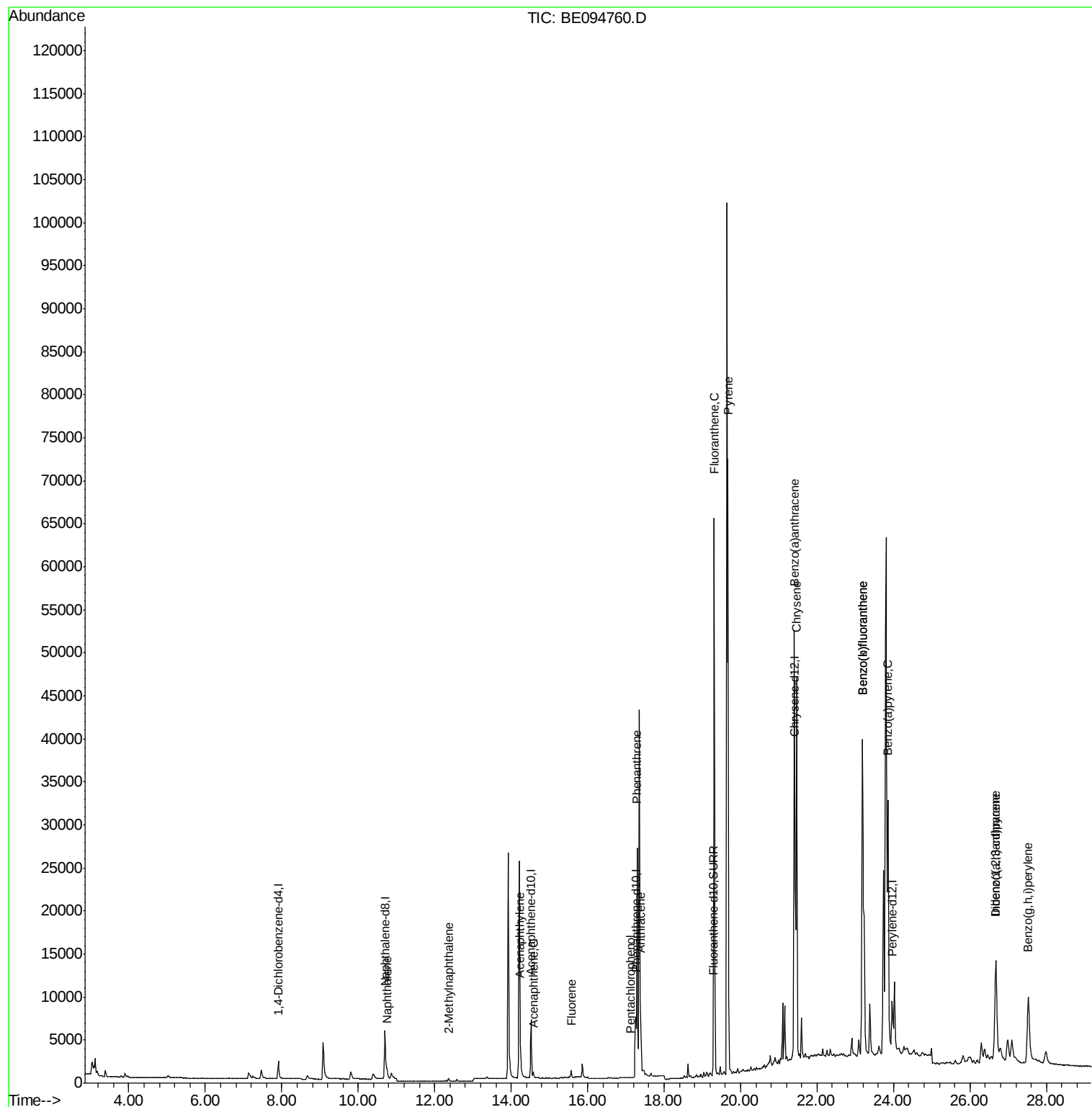
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	2056	0.10	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	481	0.03	ng/ul	98
7) Acenaphthylene	14.24	152	2617	0.13	ng/ul	97
8) Acenaphthene	14.58	153	411	0.03	ng/ul#	91
9) Fluorene	15.57	166	690	0.04	ng/ul#	89
11) Pentachlorophenol	17.12	266	21	0.04	ng/ul#	35
12) Phenanthrene	17.29	178	30729	1.17	ng/ul#	89
13) Anthracene	17.38	178	6876	0.27	ng/ul	93
15) Fluoranthene	19.31	202	77606	2.56	ng/ul	84
17) Pyrene	19.67	202	80610	2.66	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	46493	1.66	ng/ul#	88
19) Chrysene	21.46	228	47896	1.65	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	91013	3.07	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	91013	2.87	ng/ul#	89
23) Benzo(a)pyrene	23.85	252	48566	1.64	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.68	276	28457	0.93	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.66	278	6550	0.25	ng/ul#	79
26) Benzo(g,h,i)perylene	27.53	276	23538	0.96	ng/ul	95

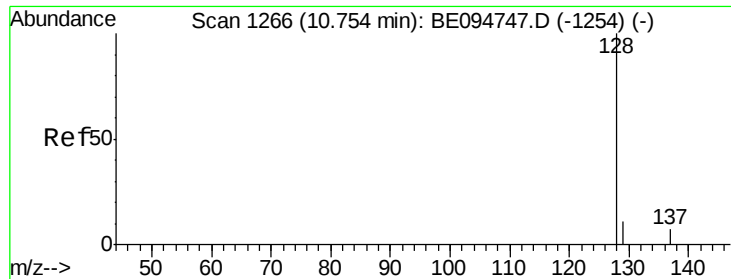
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

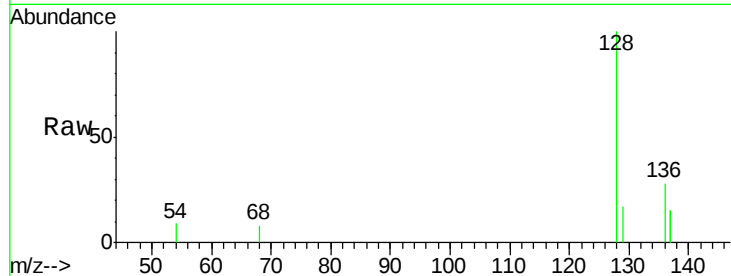
Tot Ion:128 Resp: 2056

Ion Ratio Lower Upper

128 100

129 17.1 11.3 16.9#

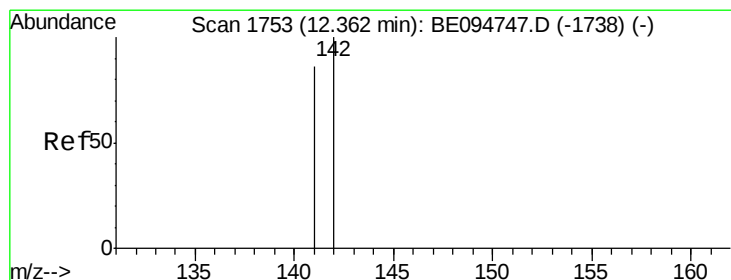
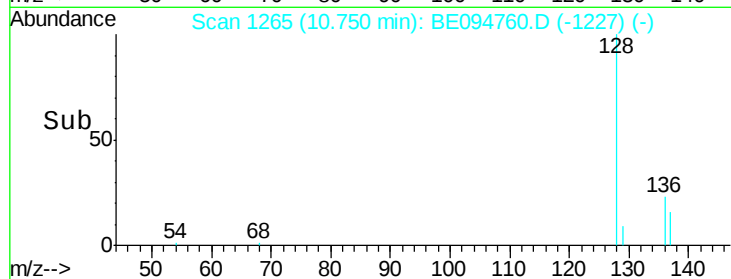
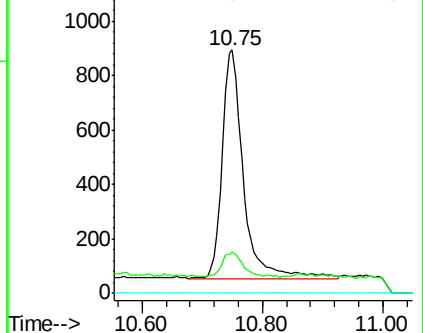
127 0.0 4.0 6.0#



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: 12.36 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BE094760.D

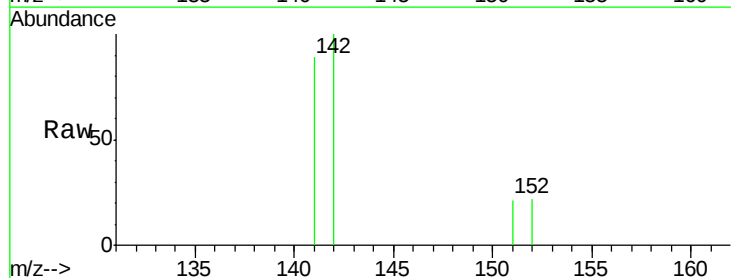
Acq: 6 Nov 2017 19:15

Tgt Ion:142 Resp: 481

Ion Ratio Lower Upper

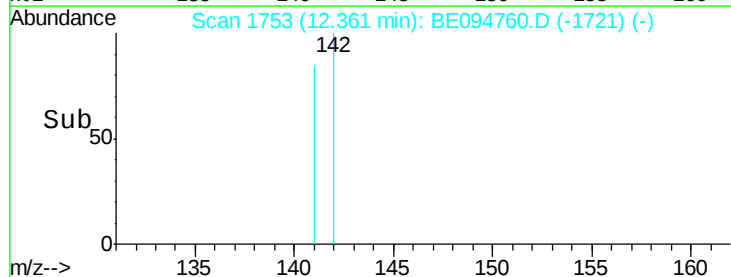
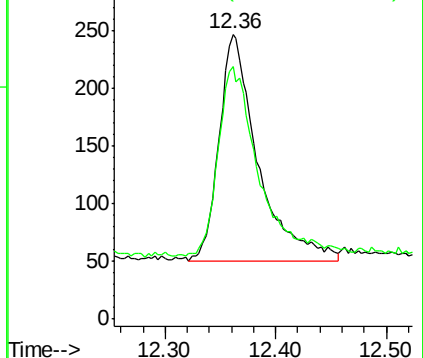
142 100

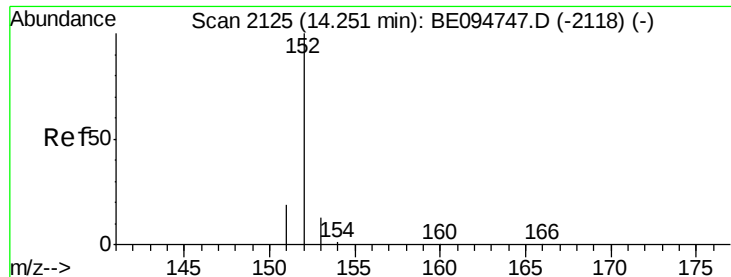
141 88.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

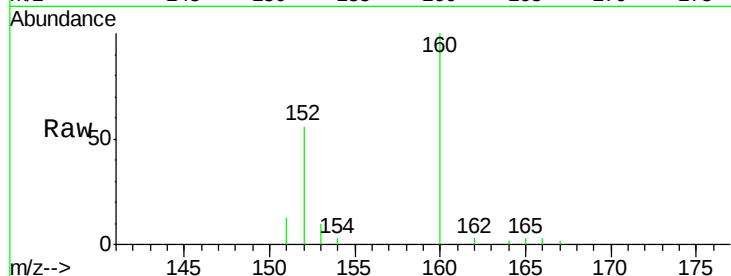
Tot Ion:152 Resp: 2617

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

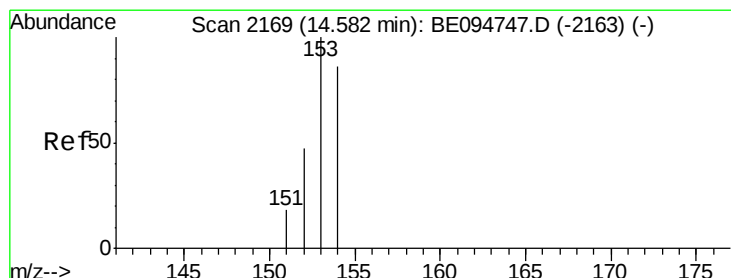
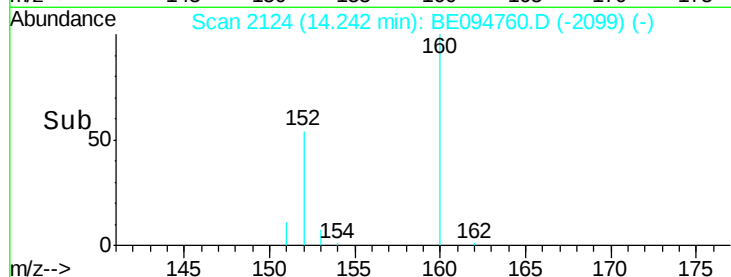
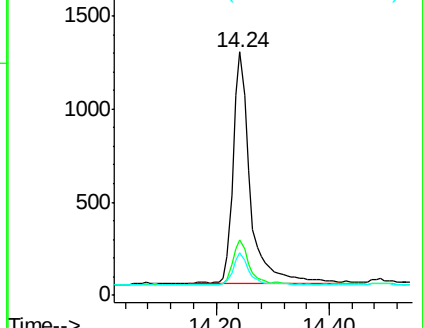
153 17.3 12.8 19.2



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: 0.03 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

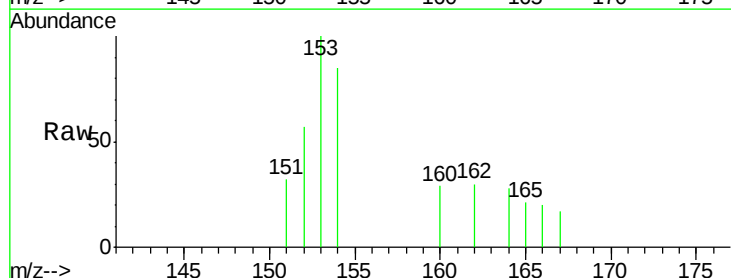
Tgt Ion:153 Resp: 411

Ion Ratio Lower Upper

153 100

152 57.0 36.0 54.0#

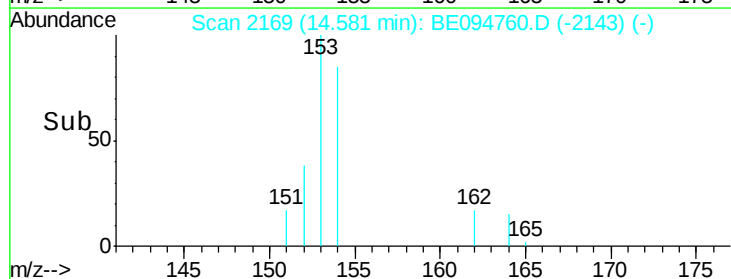
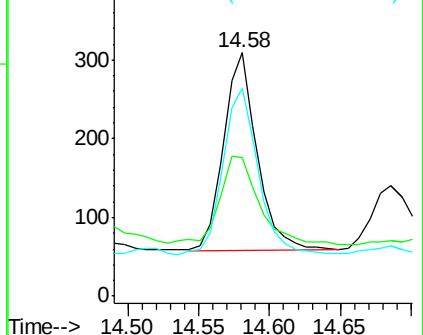
154 85.4 72.0 108.0

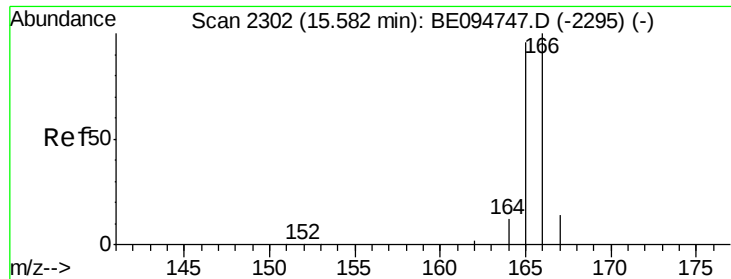


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

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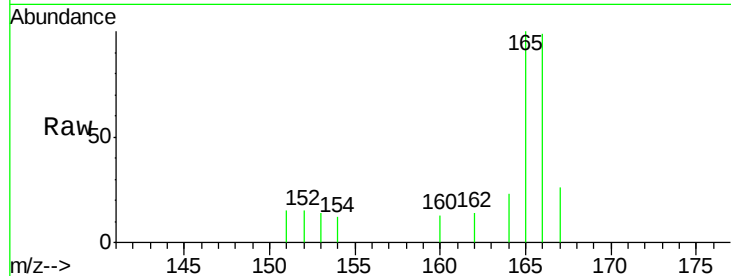
Tot Ion:166 Resp: 690

Ion Ratio Lower Upper

166 100

165 100.9 73.4 110.2

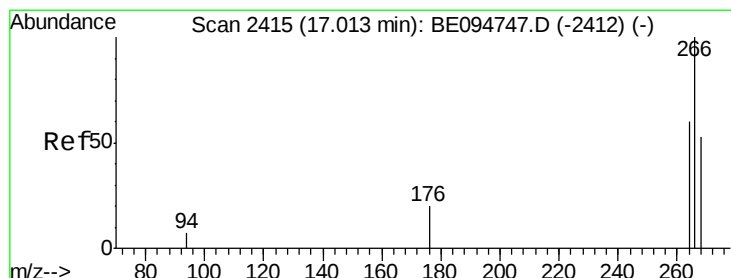
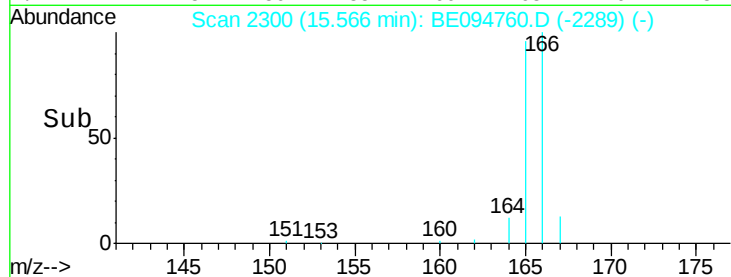
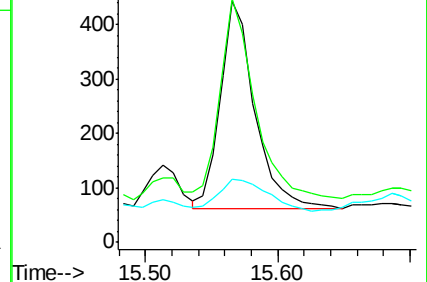
167 26.2 14.6 22.0#



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: 0.04 ng/ul

RT: 17.12 min Scan# 2421

Delta R.T. 0.11 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

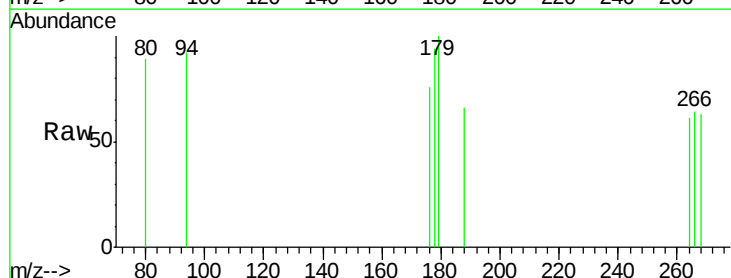
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

264 23.8 47.9 71.9#

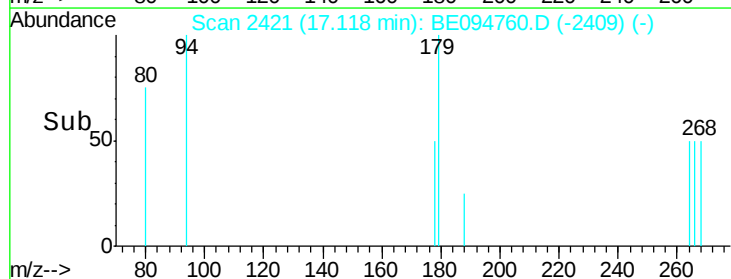
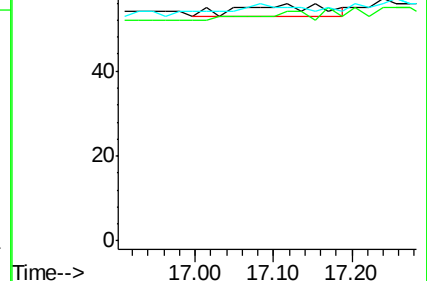
268 0.0 49.8 74.8#

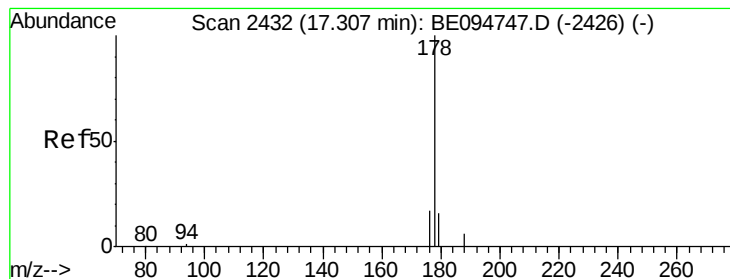


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.17 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

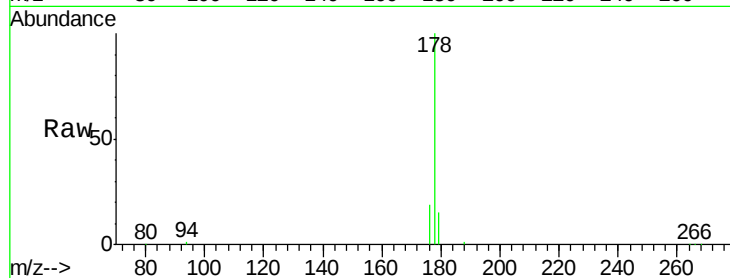
Tot Ion:178 Resp: 30729

Ion Ratio Lower Upper

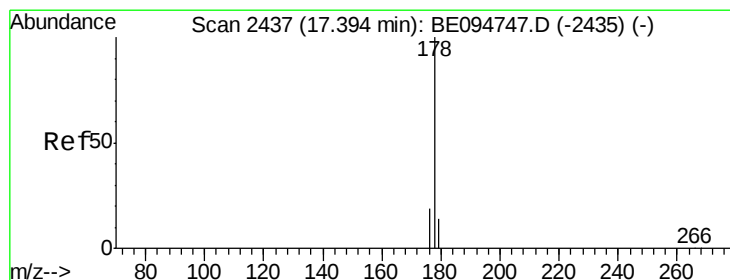
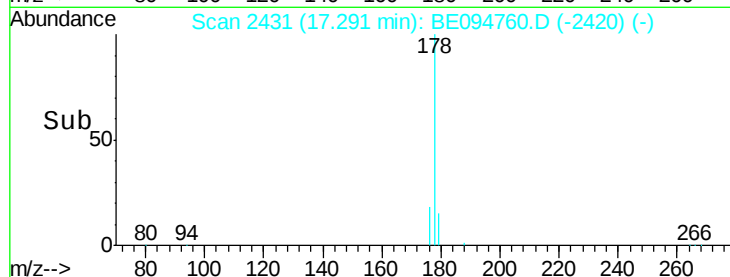
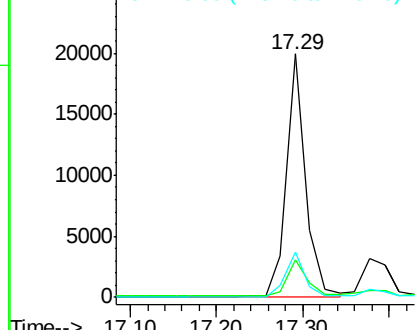
178 100

179 15.4 18.4 27.6#

176 18.7 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



#13

Anthracene

Concen: 0.27 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

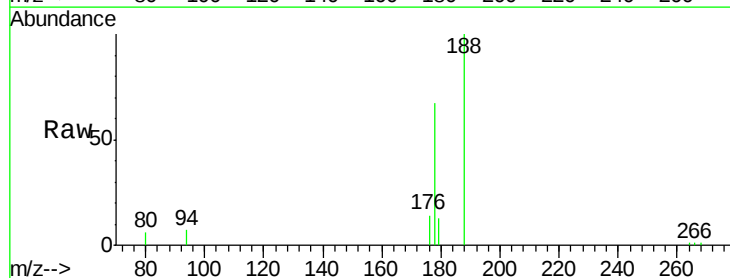
Tgt Ion:178 Resp: 6876

Ion Ratio Lower Upper

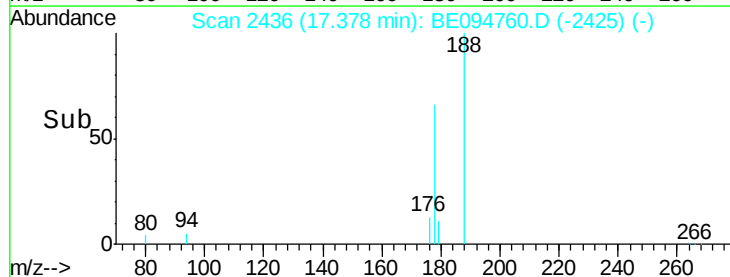
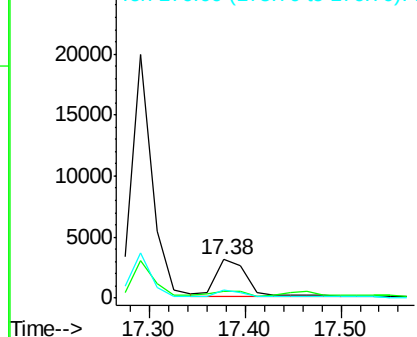
178 100

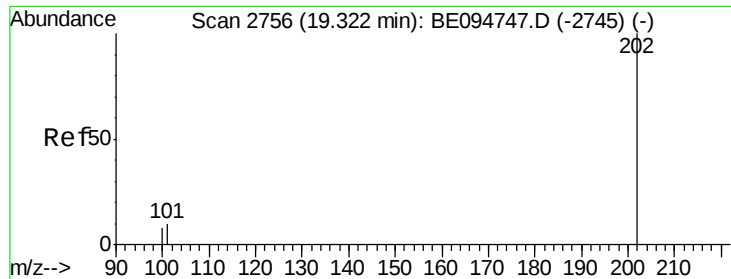
179 19.2 18.1 27.1

176 21.3 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: 2.56 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

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ClientSampleId :

B-76(1-3)-102317

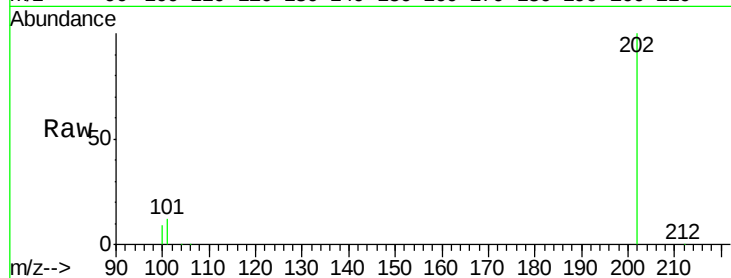
Tot Ion:202 Resp: 77606

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

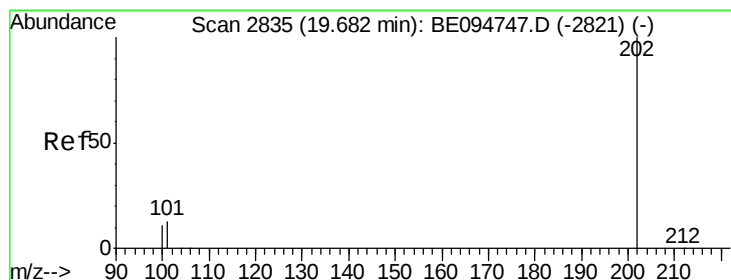
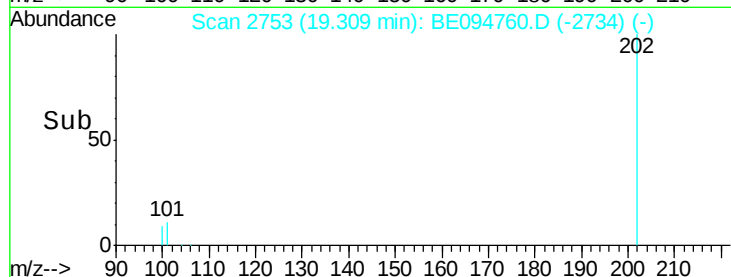
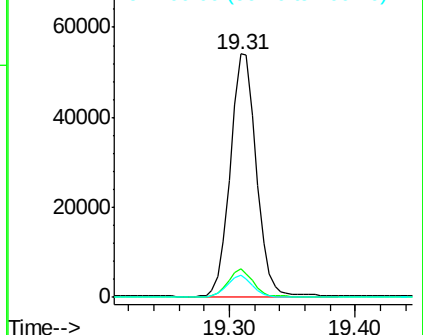
100 9.1 0.0 39.5



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): BE



#17

Pyrene

Concen: 2.66 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

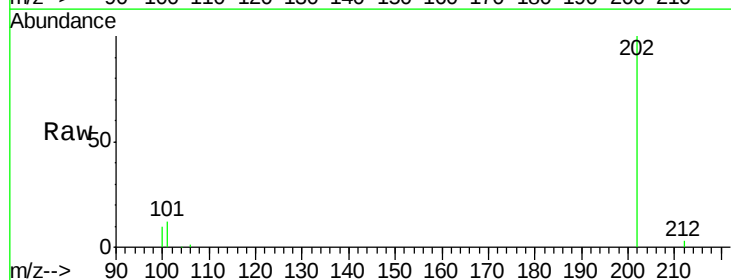
Tgt Ion:202 Resp: 80610

Ion Ratio Lower Upper

202 100

101 12.2 18.2 27.4#

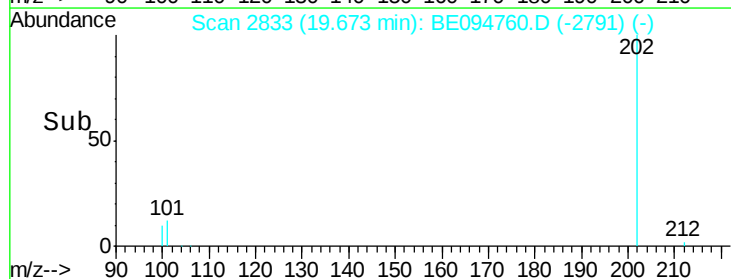
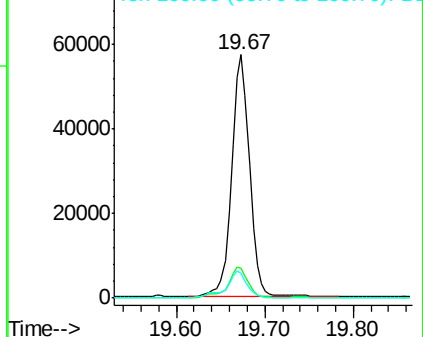
100 10.3 15.6 23.4#

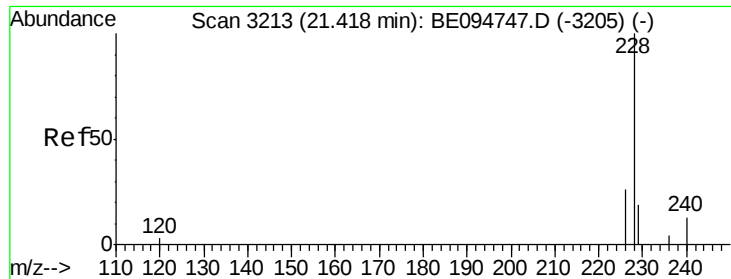


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

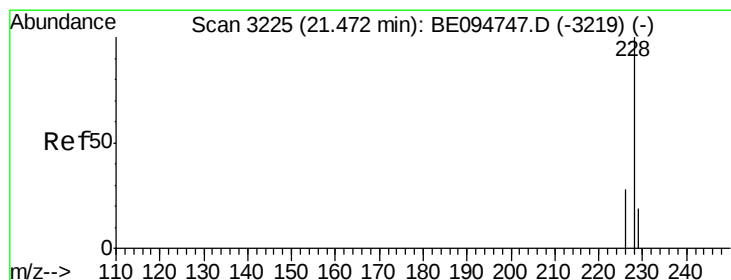
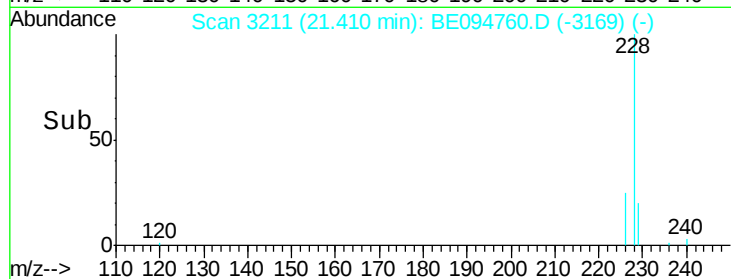
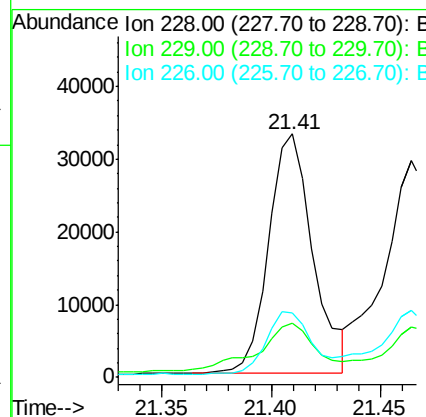
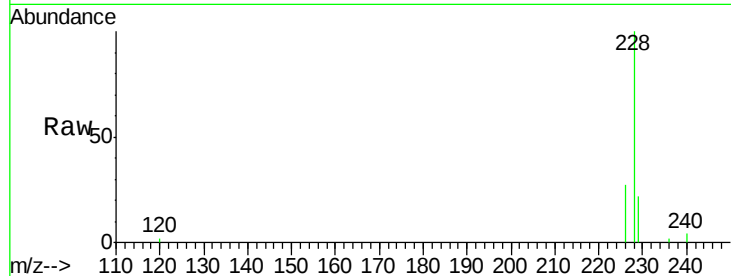




#18
Benzo(a)anthracene
Concen: 1.66 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BE094760.D
Acq: 6 Nov 2017 19:15

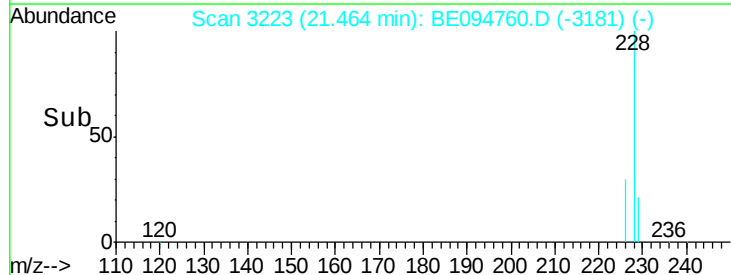
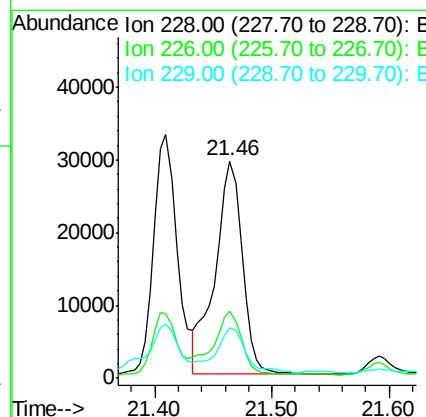
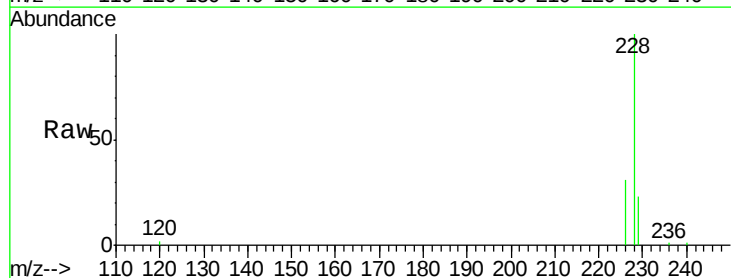
Instrument :
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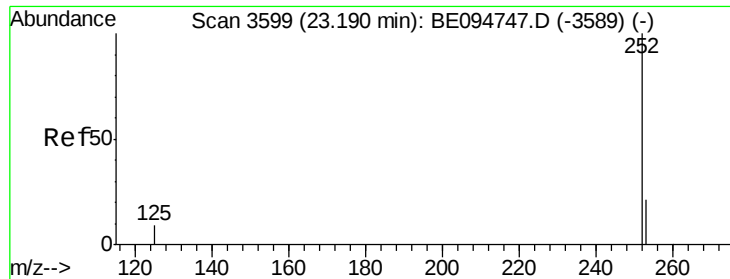
Tot Ion:228 Resp: 46493
Ion Ratio Lower Upper
228 100
229 22.3 22.8 34.2#
226 26.7 17.0 25.6#



#19
Chrysene
Concen: 1.65 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BE094760.D
Acq: 6 Nov 2017 19:15

Tgt Ion:228 Resp: 47896
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.0
229 23.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.07 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

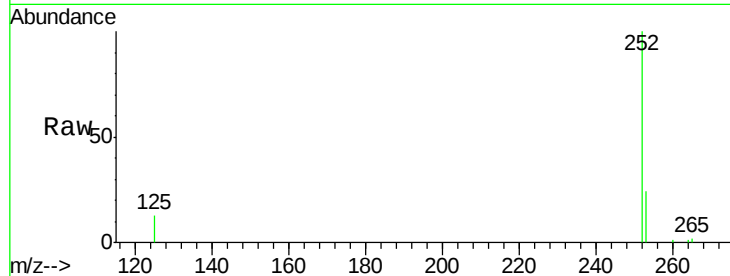
Tot Ion:252 Resp: 91013

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

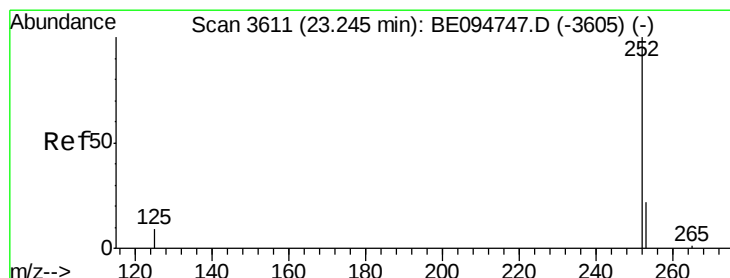
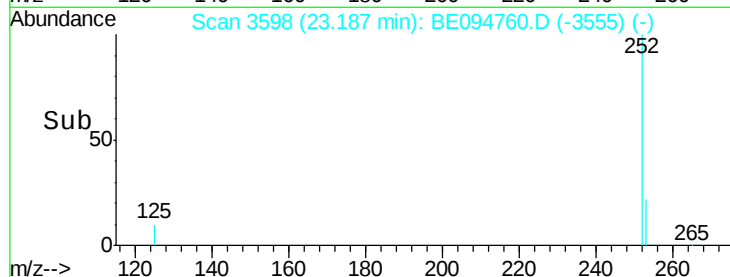
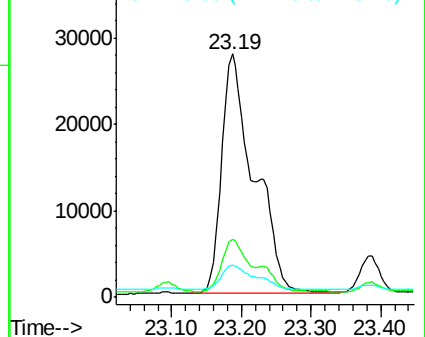
125 13.2 0.0 35.0



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: 2.87 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.06 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

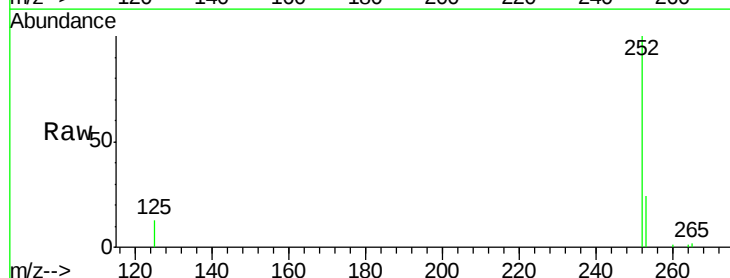
Tgt Ion:252 Resp: 91013

Ion Ratio Lower Upper

252 100

253 24.0 24.5 36.7#

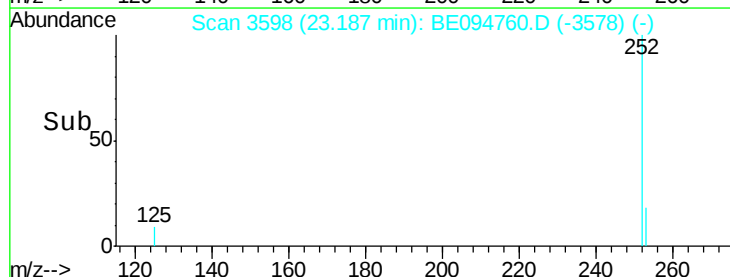
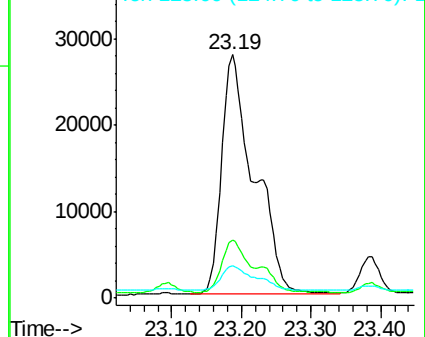
125 13.2 13.7 20.5#

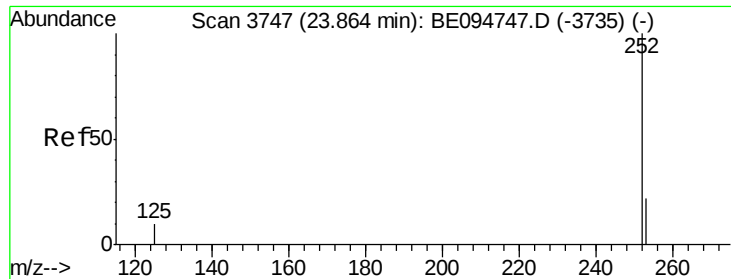


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.64 ng/ul

RT: 23.85 min Scan# 3744

Delta R.T. -0.01 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

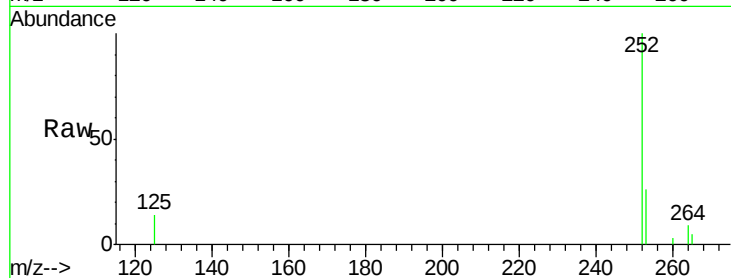
Tot Ion:252 Resp: 48566

Ion Ratio Lower Upper

252 100

253 25.5 28.5 42.7#

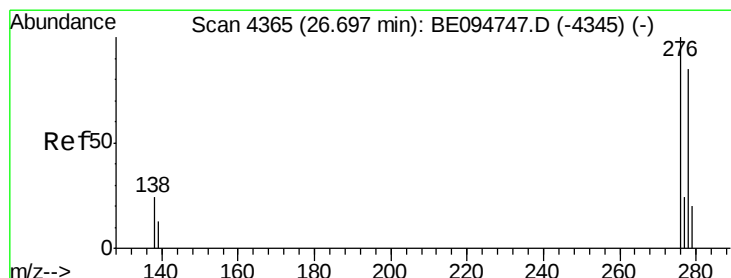
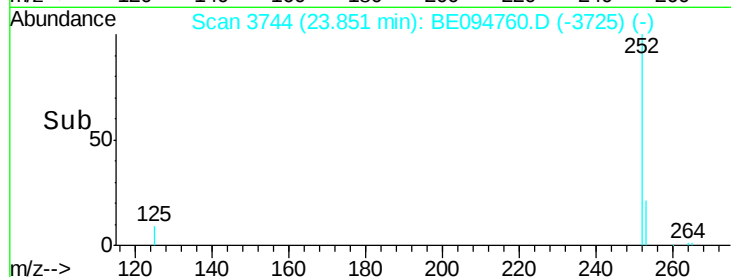
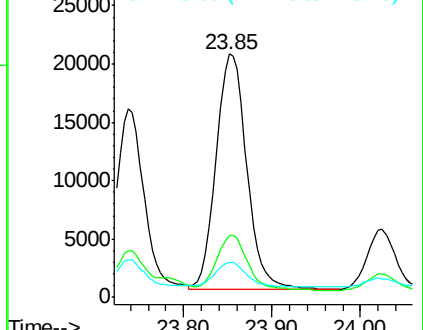
125 14.4 18.1 27.1#



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: 0.93 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. -0.02 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

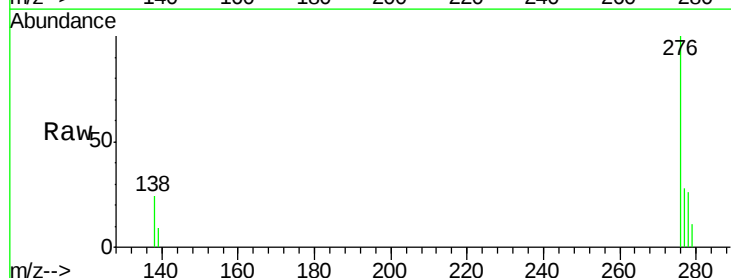
Tgt Ion:276 Resp: 28457

Ion Ratio Lower Upper

276 100

138 19.9 28.0 42.0#

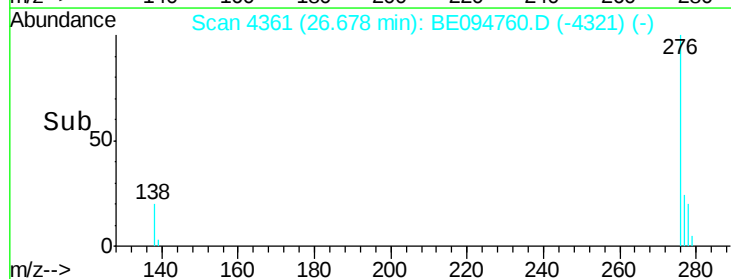
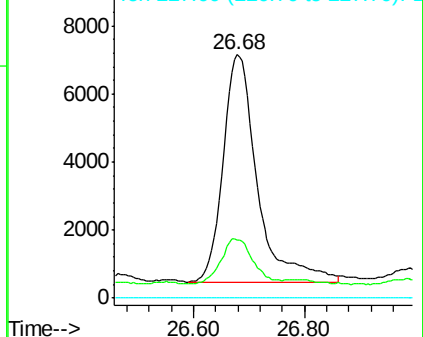
227 0.0 8.0 12.0#

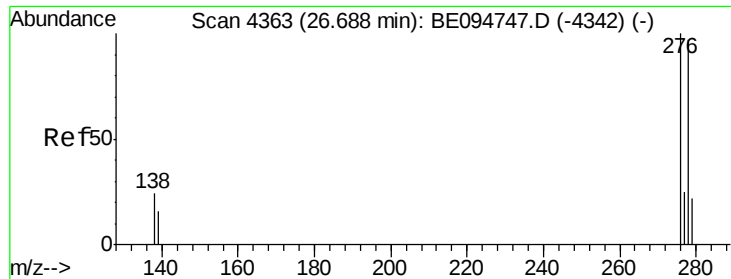


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.25 ng/ul

RT: 26.66 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

Instrument :

BNA_E

ClientSampleId :

B-76(1-3)-102317

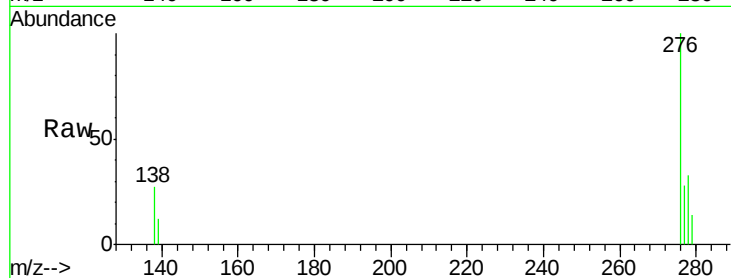
Tot Ion:278 Resp: 6550

Ion Ratio Lower Upper

278 100

139 34.9 17.4 26.0#

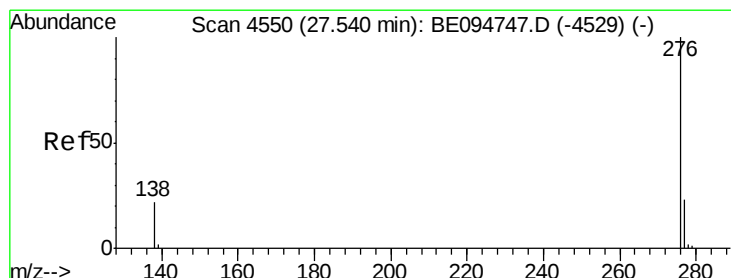
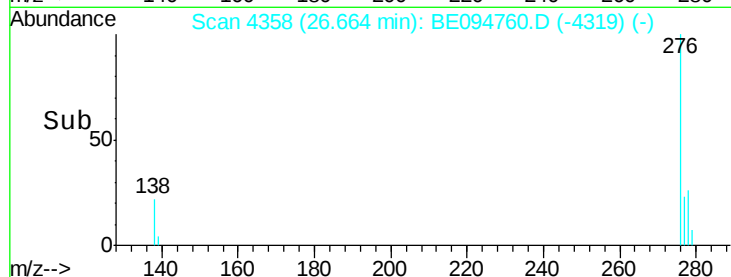
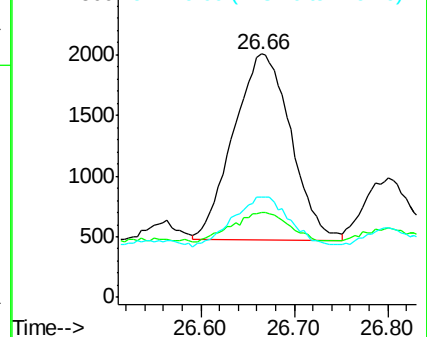
279 41.3 25.9 38.9#



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: 0.96 ng/ul

RT: 27.53 min Scan# 4547

Delta R.T. -0.01 min

Lab File: BE094760.D

Acq: 6 Nov 2017 19:15

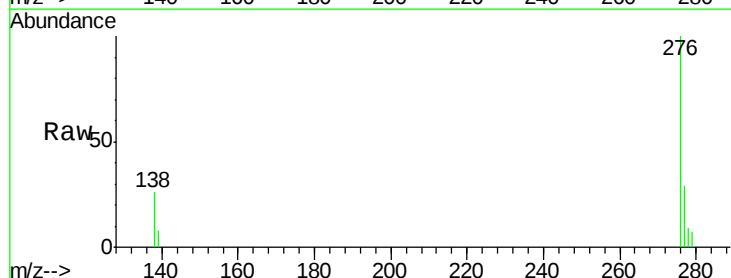
Tgt Ion:276 Resp: 23538

Ion Ratio Lower Upper

276 100

138 25.8 21.8 32.8

277 29.5 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

