

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094712.D
 Acq On : 3 Nov 2017 17:58
 Operator : SJ/JU
 Sample : I5825-10 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-64(2.5-4.5)-101117

Quant Time: Nov 04 00:00:03 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	1474	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8348	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	4701	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	10006	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	9925	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	10984	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	655	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1548	0.05	ng/ul	-0.02

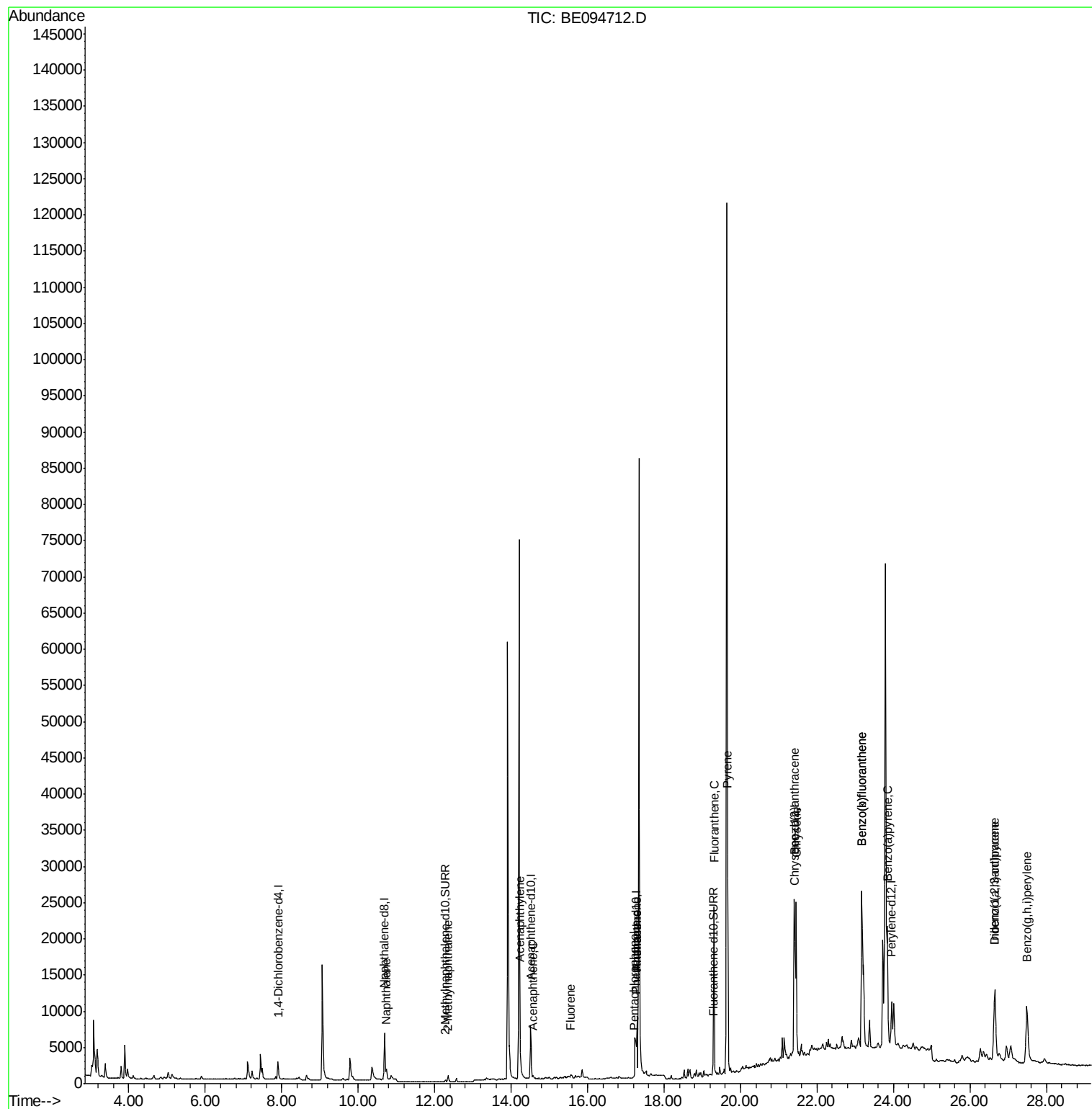
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2446	0.12	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1048	0.07	ng/ul	98
7) Acenaphthylene	14.24	152	2971	0.14	ng/ul	98
8) Acenaphthene	14.57	153	345	0.02	ng/ul#	87
9) Fluorene	15.56	166	454	0.03	ng/ul#	76
11) Pentachlorophenol	17.22	266	18	0.04	ng/ul#	20
12) Phenanthrene	17.29	178	10589	0.40	ng/ul#	94
13) Anthracene	17.29	178	10473	0.40	ng/ul	94
15) Fluoranthene	19.30	202	27235	0.89	ng/ul	84
17) Pyrene	19.66	202	32059	1.04	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	19422	0.68	ng/ul#	88
19) Chrysene	21.46	228	26101	0.89	ng/ul#	91
21) Benzo(b)fluoranthene	23.17	252	54313	1.76	ng/ul	92
22) Benzo(k)fluoranthene	23.17	252	54313	1.64	ng/ul	93
23) Benzo(a)pyrene	23.84	252	25066	0.81	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	26.65	276	21988	0.69	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.64	278	5152	0.19	ng/ul#	54
26) Benzo(g,h,i)perylene	27.49	276	21842	0.85	ng/ul#	94

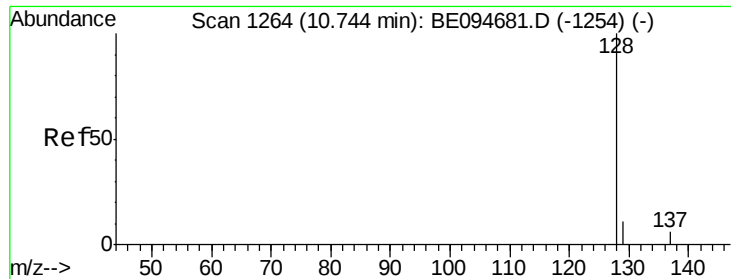
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

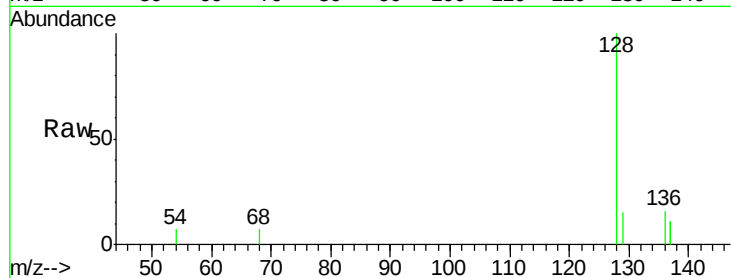
Tot Ion:128 Resp: 2446

Ion Ratio Lower Upper

128 100

129 15.2 11.3 16.9

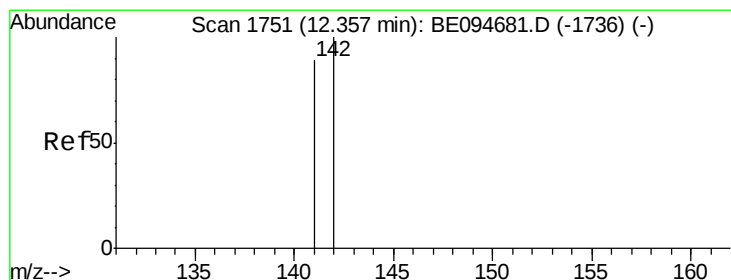
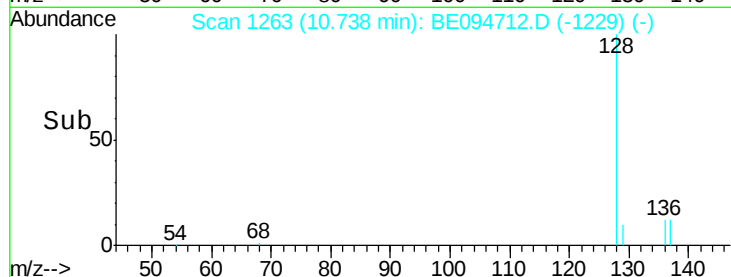
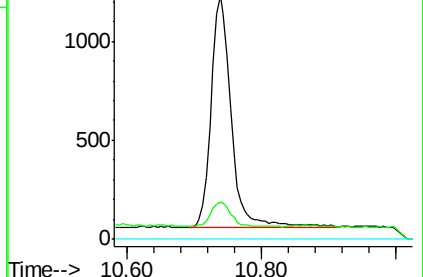
127 0.0 4.0 6.0#



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: 0.07 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BE094712.D

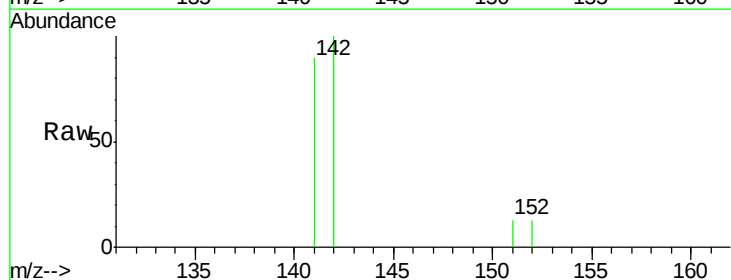
Acq: 3 Nov 2017 17:58

Tgt Ion:142 Resp: 1048

Ion Ratio Lower Upper

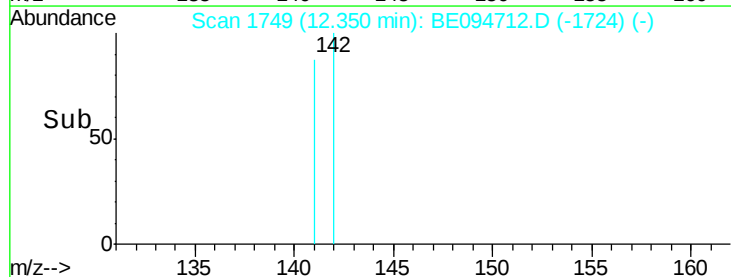
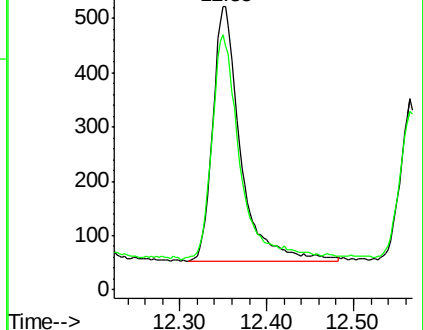
142 100

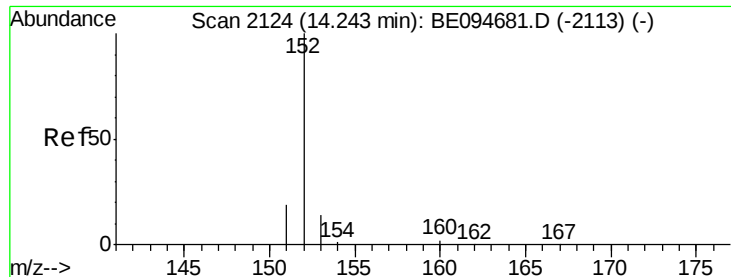
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

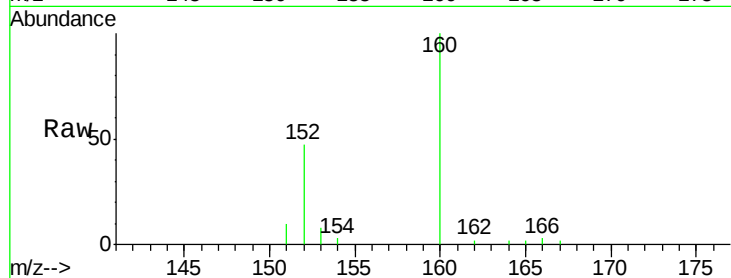
Tot Ion:152 Resp: 2971

Ion Ratio Lower Upper

152 100

151 22.0 17.1 25.7

153 16.9 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

14.24

1500

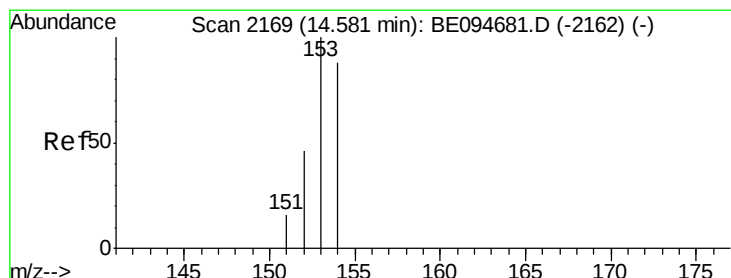
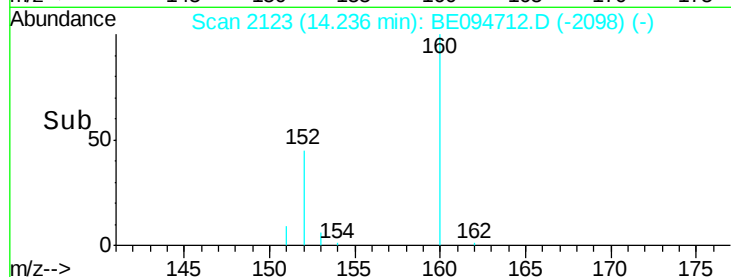
1000

500

0

14.10 14.20 14.30 14.40

Time-->



#8

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

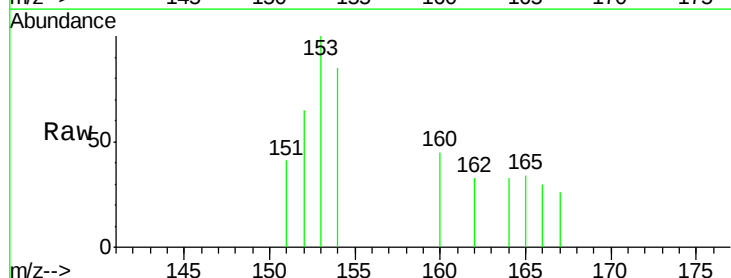
Tgt Ion:153 Resp: 345

Ion Ratio Lower Upper

153 100

152 64.7 36.0 54.0#

154 85.5 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

14.57

300

250

200

150

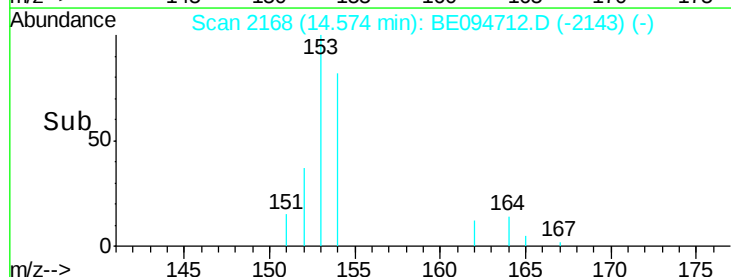
100

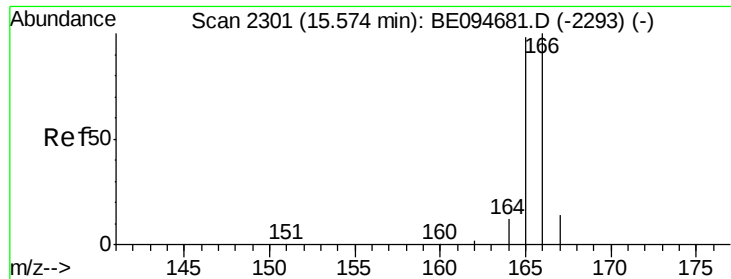
50

0

14.50 14.60

Time-->





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

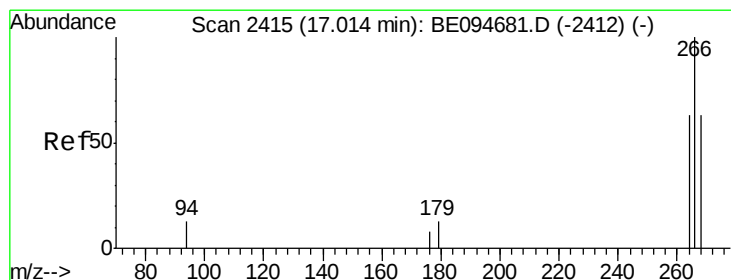
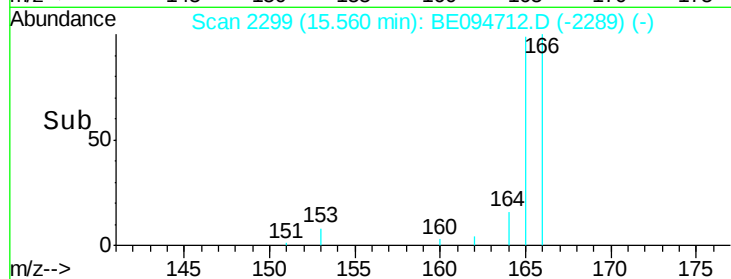
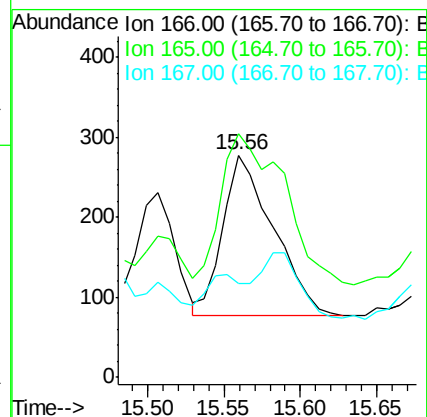
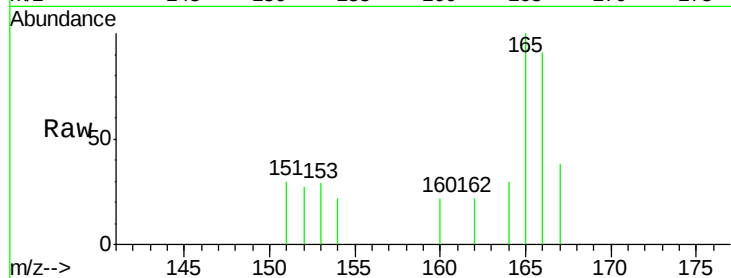
Tot Ion:166 Resp: 454

Ion Ratio Lower Upper

166 100

165 109.4 73.4 110.2

167 42.1 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.12 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

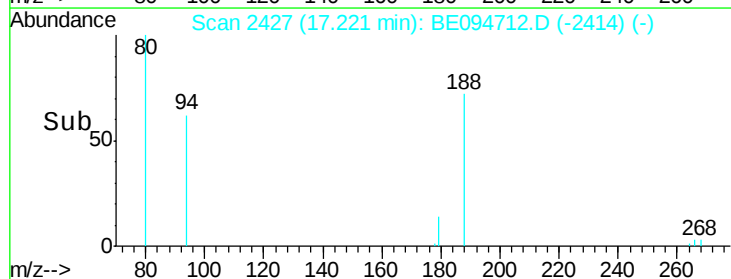
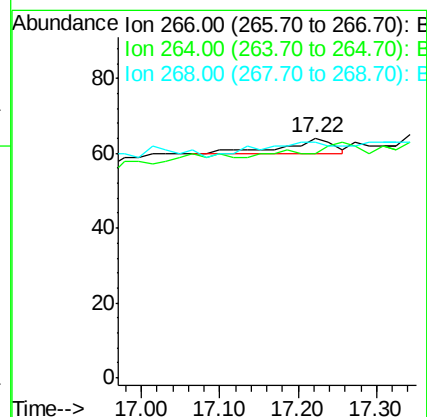
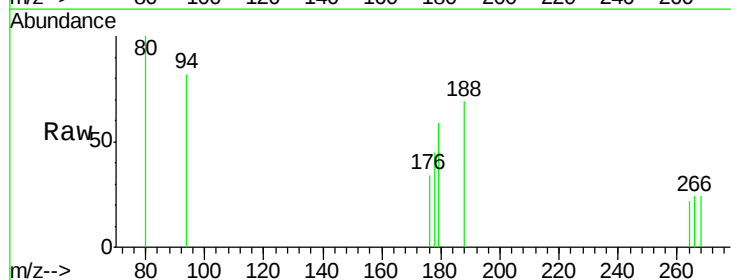
Tgt Ion:266 Resp: 18

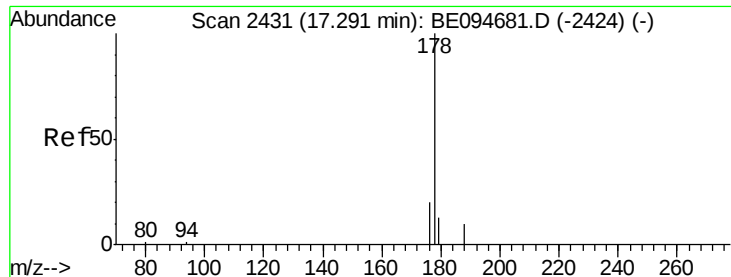
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

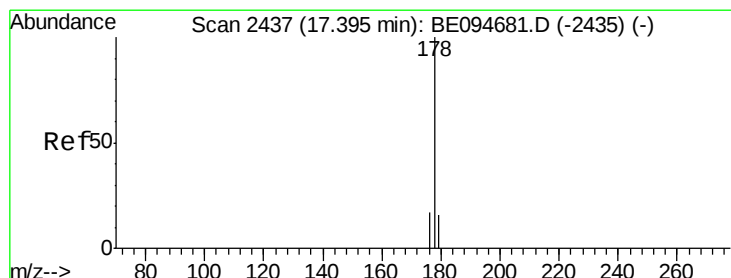
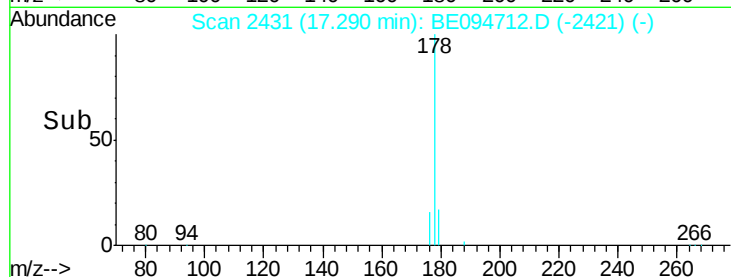
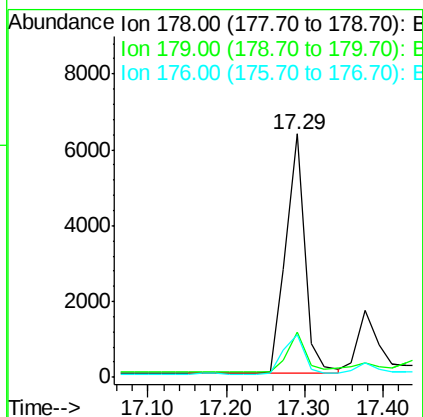
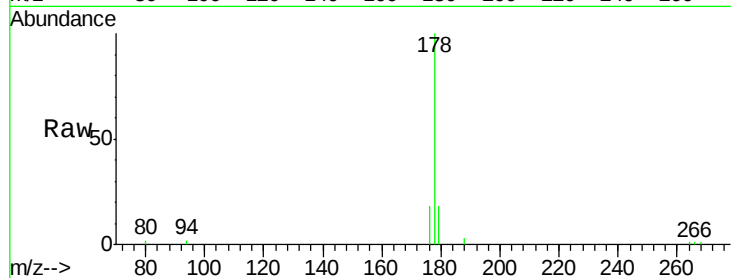
Tot Ion:178 Resp: 10589

Ion Ratio Lower Upper

178 100

179 18.4 18.4 27.6#

176 17.6 13.6 20.4



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.12 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

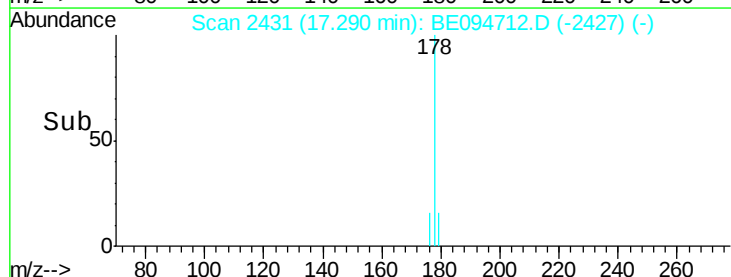
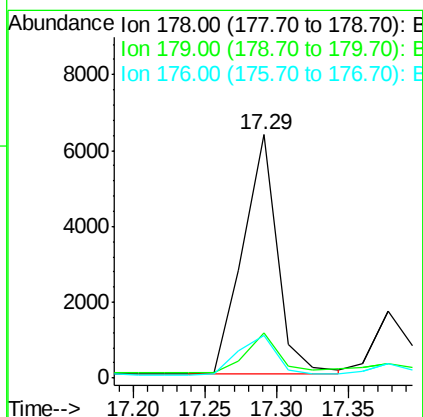
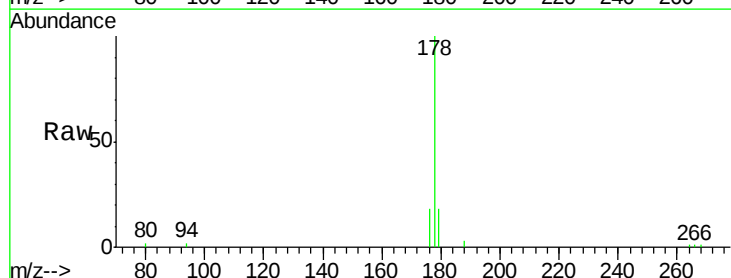
Tgt Ion:178 Resp: 10473

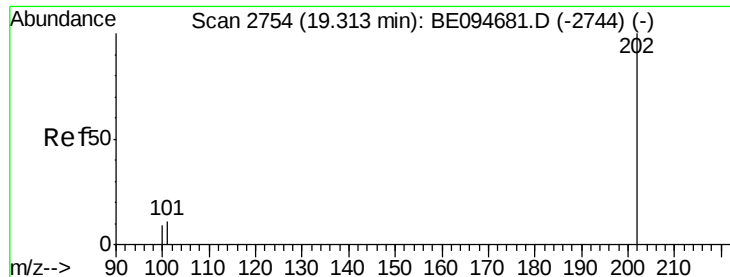
Ion Ratio Lower Upper

178 100

179 18.4 18.1 27.1

176 17.6 14.7 22.1





#15

Fluoranthene

Concen: 0.89 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

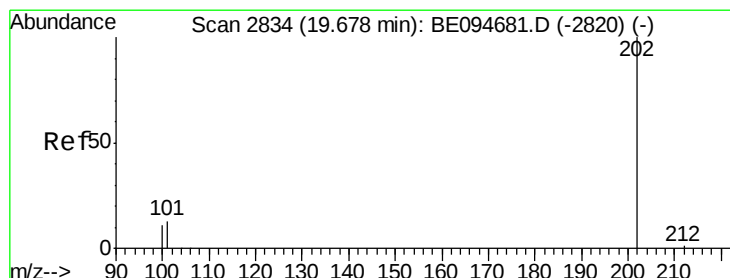
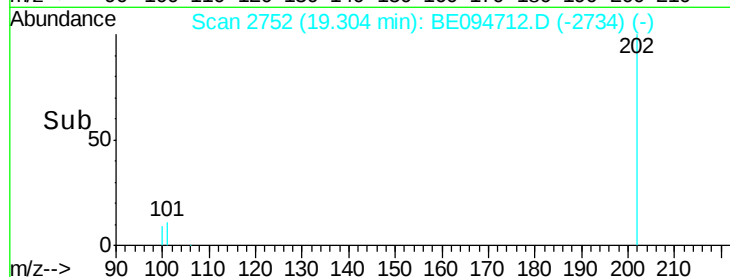
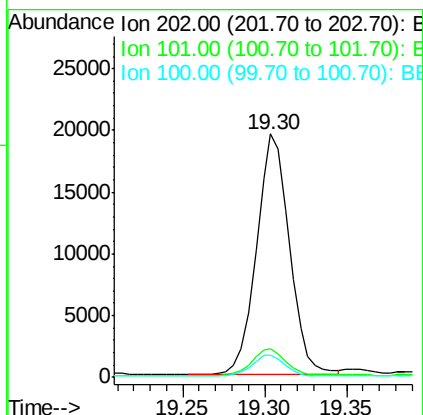
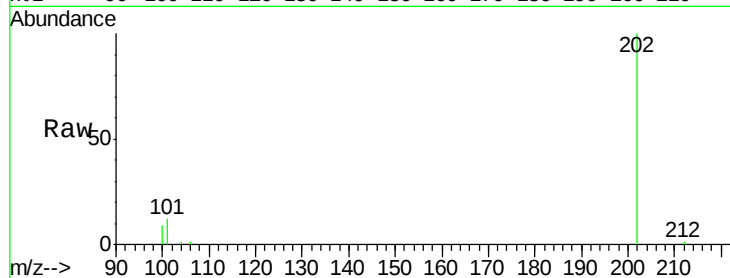
Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

Tot Ion:	202	Resp:	27235
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	30.3
100	9.1	0.0	39.5



#17

Pyrene

Concen: 1.04 ng/ul

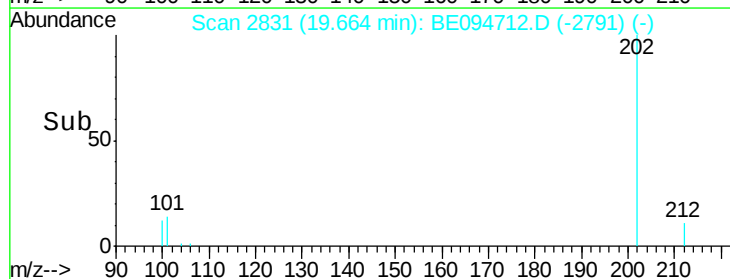
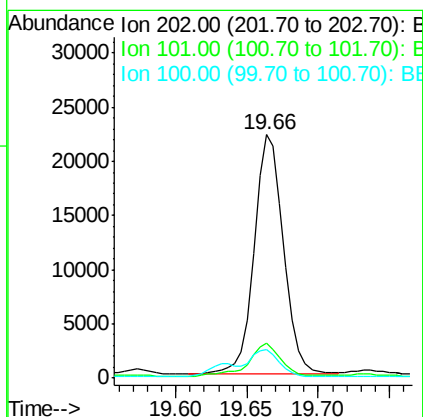
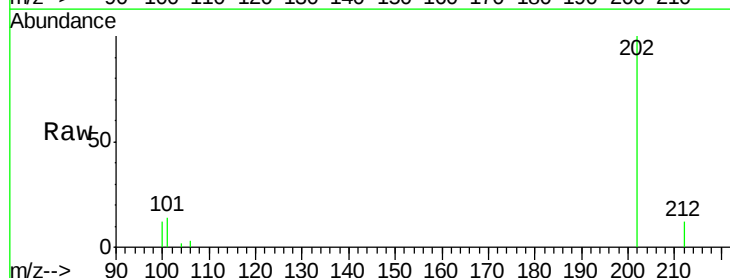
RT: 19.66 min Scan# 2831

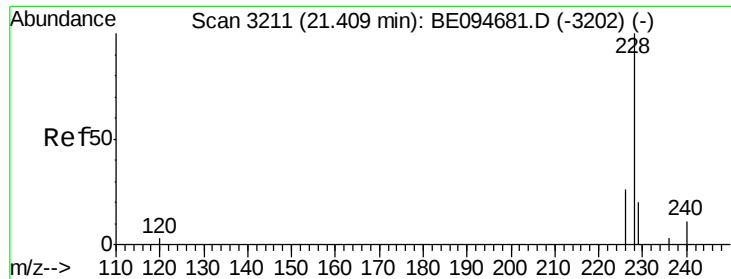
Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Tgt Ion:	202	Resp:	32059
Ion Ratio	Lower	Upper	
202	100		
101	14.3	18.2	27.4#
100	12.0	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.68 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

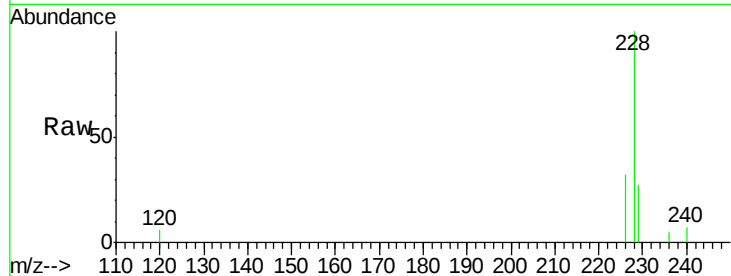
Tot Ion:228 Resp: 19422

Ion Ratio Lower Upper

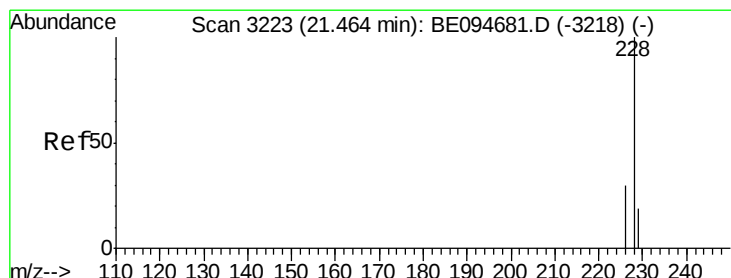
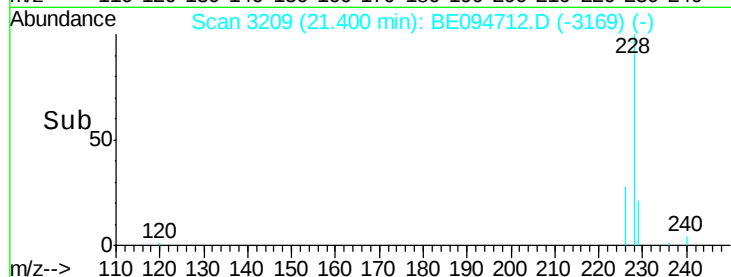
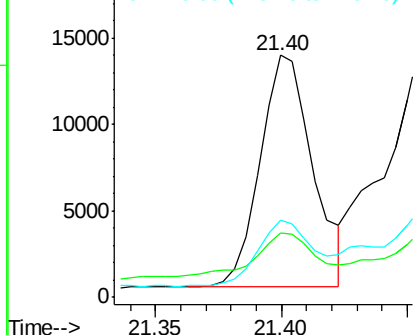
228 100

229 26.6 22.8 34.2

226 31.8 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: 0.89 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

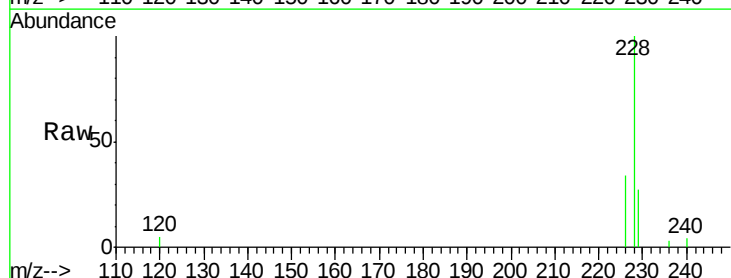
Tgt Ion:228 Resp: 26101

Ion Ratio Lower Upper

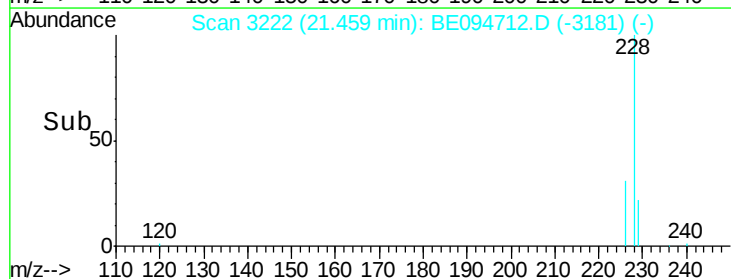
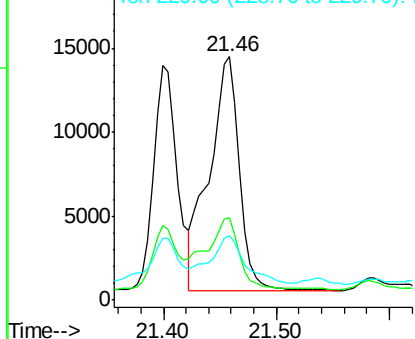
228 100

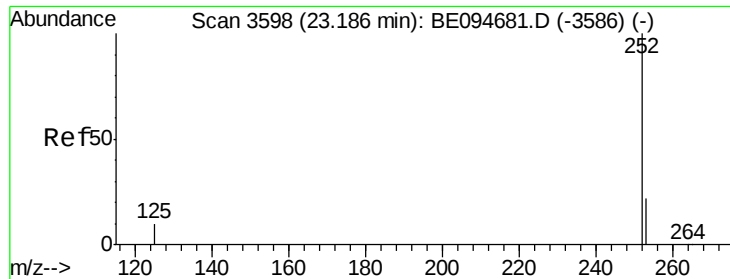
226 33.6 23.4 35.0

229 26.7 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: 1.76 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

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BNA_E

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B-64(2.5-4.5)-101117

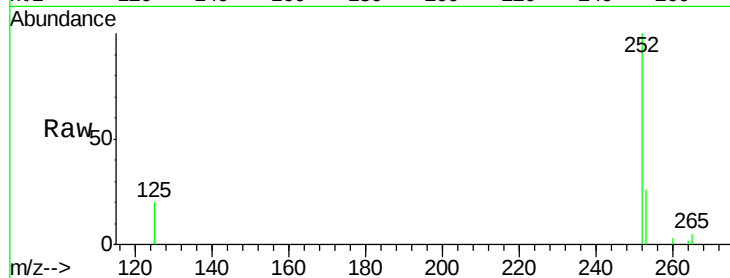
Tot Ion:252 Resp: 54313

Ion Ratio Lower Upper

252 100

253 26.5 0.0 64.2

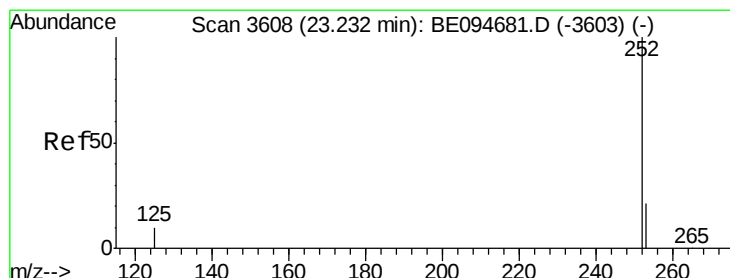
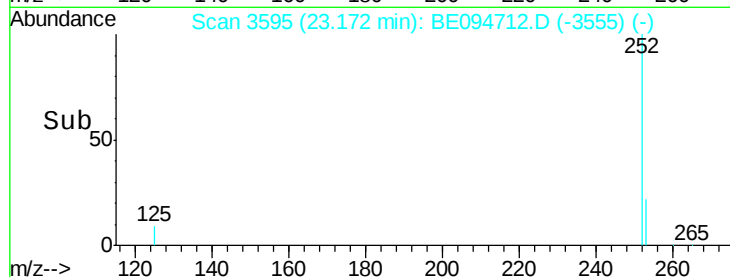
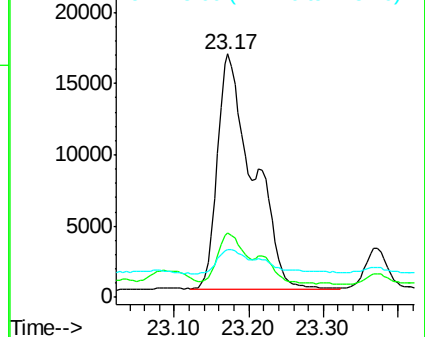
125 19.5 0.0 35.0



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: 1.64 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

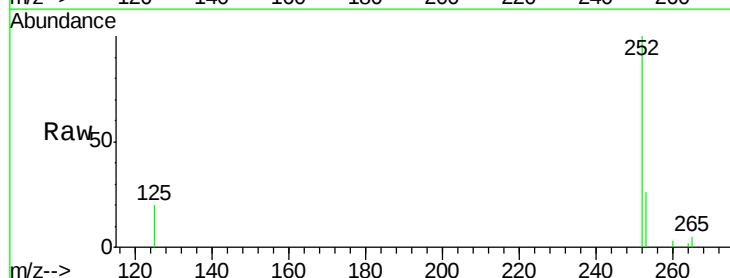
Tgt Ion:252 Resp: 54313

Ion Ratio Lower Upper

252 100

253 26.5 24.5 36.7

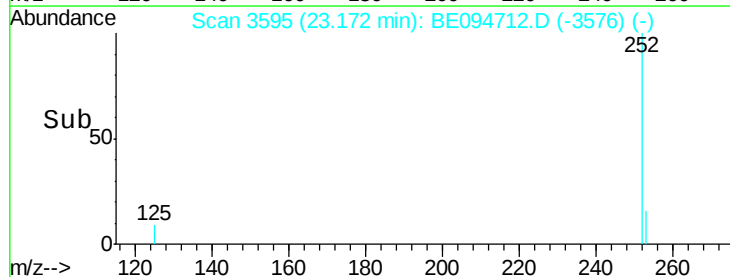
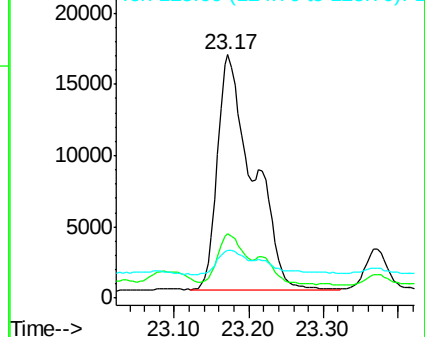
125 19.5 13.7 20.5

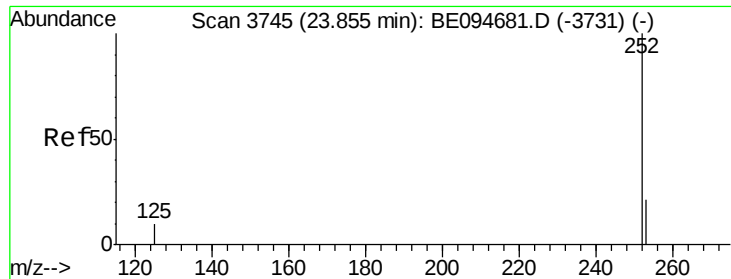


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.81 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

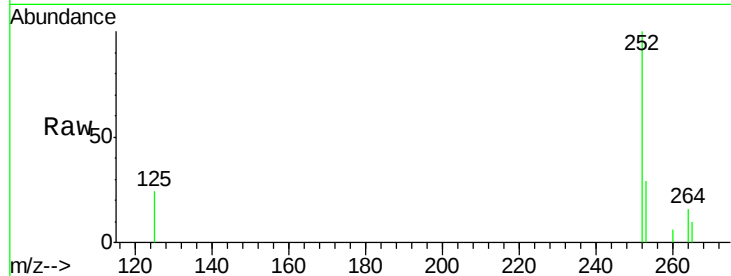
Tot Ion:252 Resp: 25066

Ion Ratio Lower Upper

252 100

253 28.7 28.5 42.7

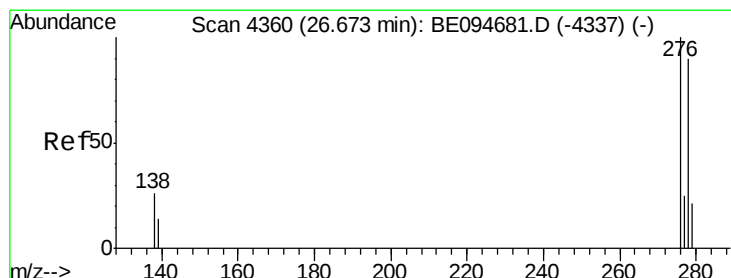
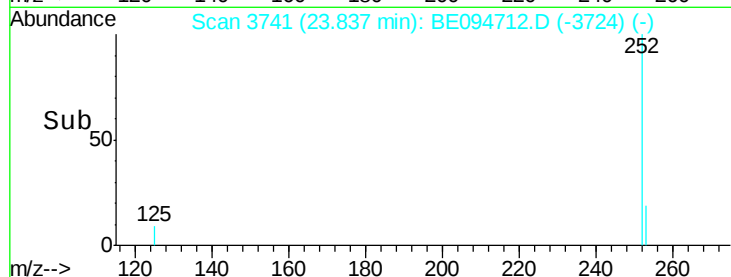
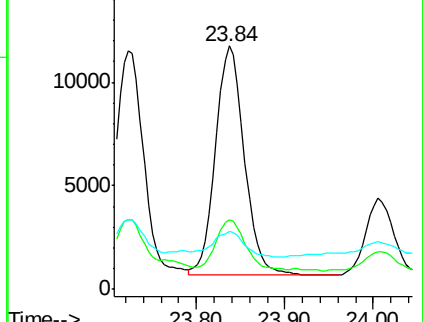
125 23.9 18.1 27.1



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: 0.69 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.04 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

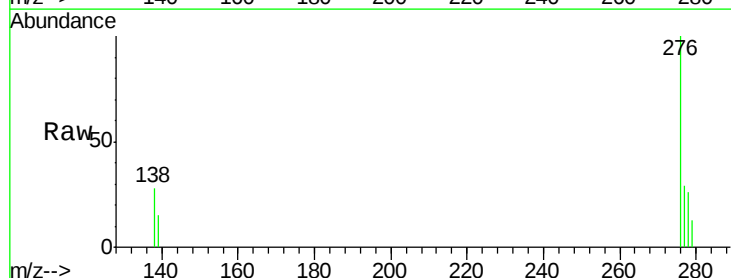
Tgt Ion:276 Resp: 21988

Ion Ratio Lower Upper

276 100

138 19.6 28.0 42.0#

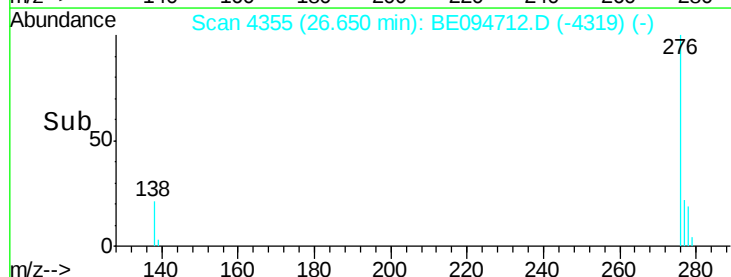
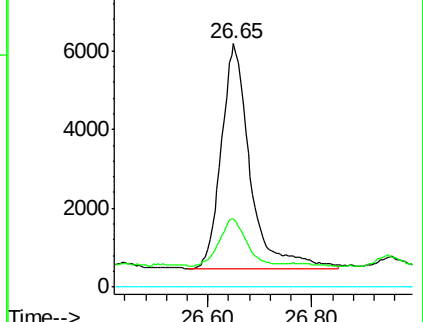
227 0.0 8.0 12.0#

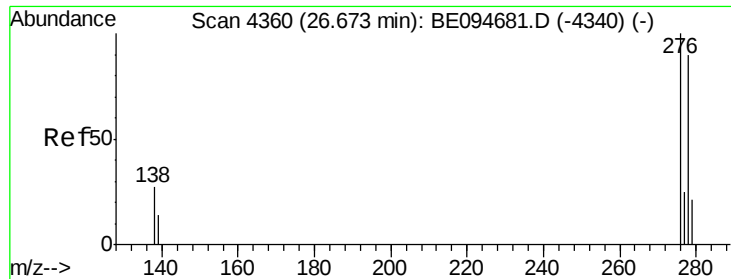


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.19 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.03 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-64(2.5-4.5)-101117

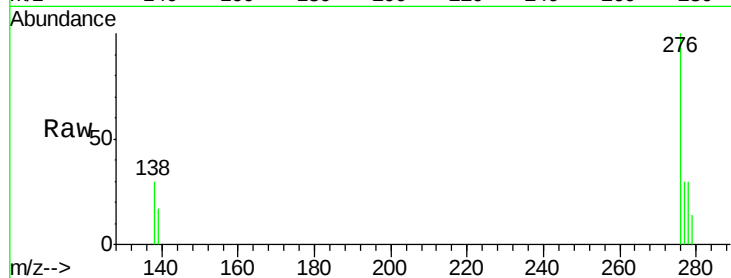
Tot Ion:278 Resp: 5152

Ion Ratio Lower Upper

278 100

139 55.9 17.4 26.0#

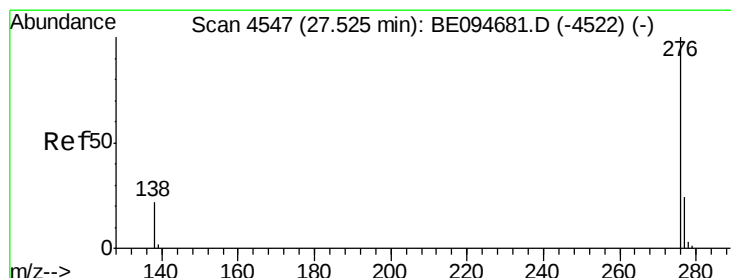
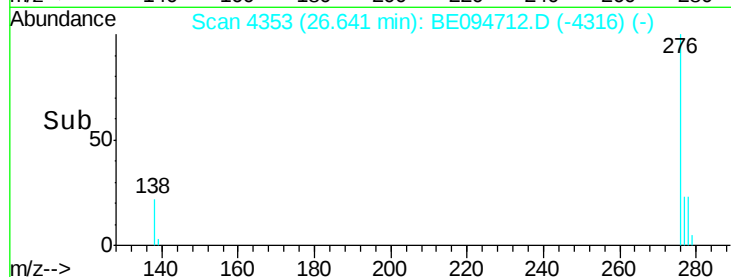
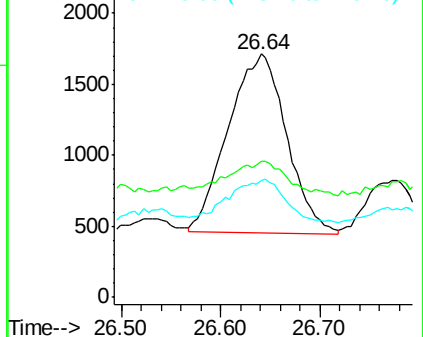
279 48.1 25.9 38.9#



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: 0.85 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.03 min

Lab File: BE094712.D

Acq: 3 Nov 2017 17:58

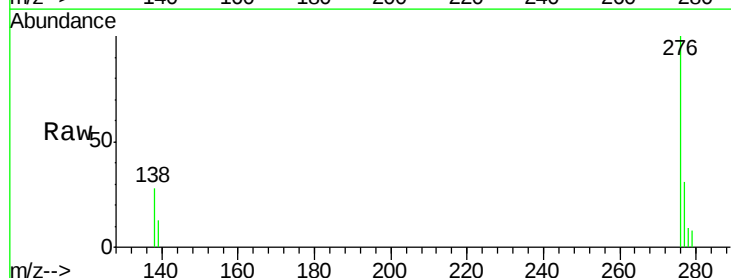
Tgt Ion:276 Resp: 21842

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.8

277 31.4 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

