

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094332.D
 Acq On : 13 Oct 2017 20:35
 Operator : SJ/JU
 Sample : I5568-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 04:01:37 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

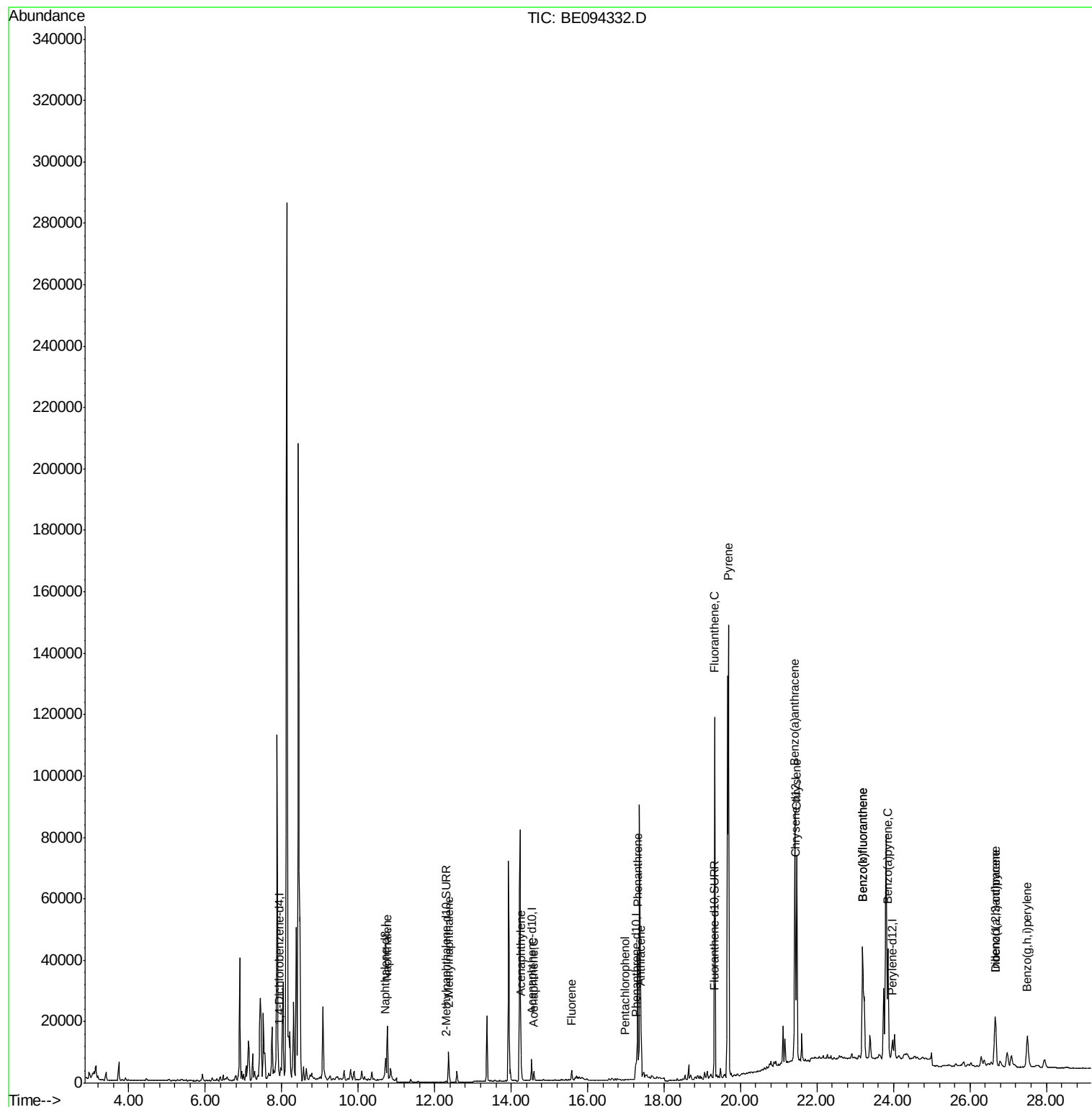
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1493	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	7561	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	4229	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	9042	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8941	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8595	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	690	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	1553	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.76	128	27553	1.488	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	8693	0.724	ng/ul	99
7) Acenaphthylene	14.26	152	8564	0.519	ng/ul	98
8) Acenaphthene	14.60	153	1844	0.136	ng/ul	98
9) Fluorene	15.58	166	2202	0.139	ng/ul	92
11) Pentachlorophenol	16.98	266	60	0.057	ng/ul#	20
12) Phenanthrene	17.31	178	46818	1.981	ng/ul#	92
13) Anthracene	17.40	178	16582	0.722	ng/ul#	91
15) Fluoranthene	19.32	202	127012	4.091	ng/ul	84
17) Pyrene	19.69	202	161204	6.480	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	72726	3.066	ng/ul#	88
19) Chrysene	21.47	228	69258	2.528	ng/ul	95
21) Benzo(b)fluoranthene	23.20	252	93527	4.006	ng/ul	91
22) Benzo(k)fluoranthene	23.20	252	93363	3.459	ng/ul	92
23) Benzo(a)pyrene	23.86	252	55999	2.308	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.66	276	30014	1.209	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	8931	0.429	ng/ul#	54
26) Benzo(g,h,i)perylene	27.50	276	25116	1.173	ng/ul#	89

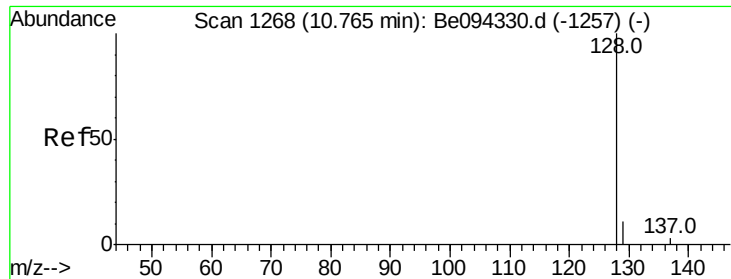
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 1.488 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

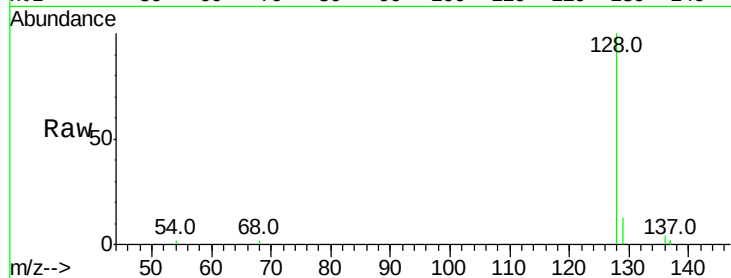
Tot Ion:128 Resp: 27553

Ion Ratio Lower Upper

128 100

129 13.4 11.3 16.9

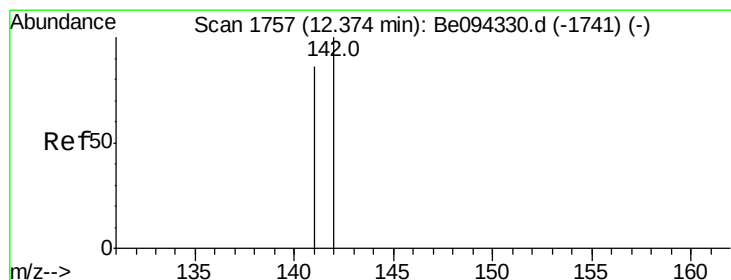
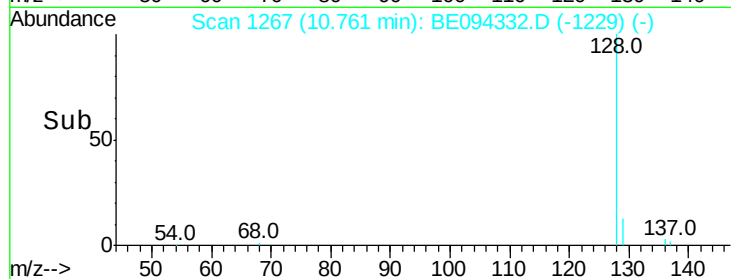
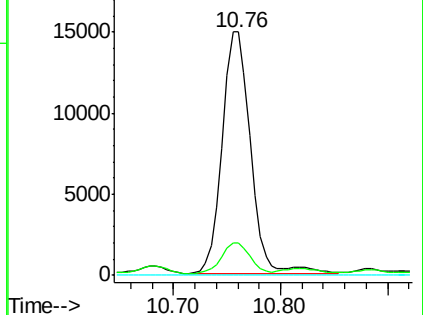
127 0.0 4.0 6.0#



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: 0.724 ng/ul

RT: 12.36 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BE094332.D

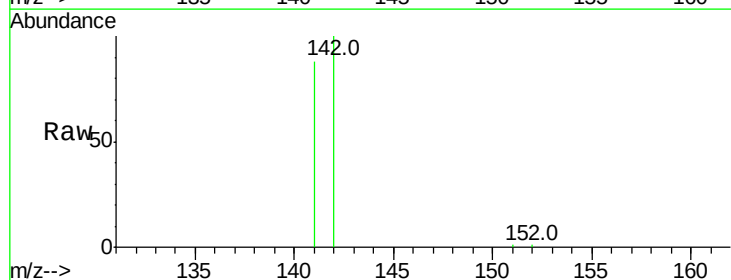
Acq: 13 Oct 2017 20:35

Tgt Ion:142 Resp: 8693

Ion Ratio Lower Upper

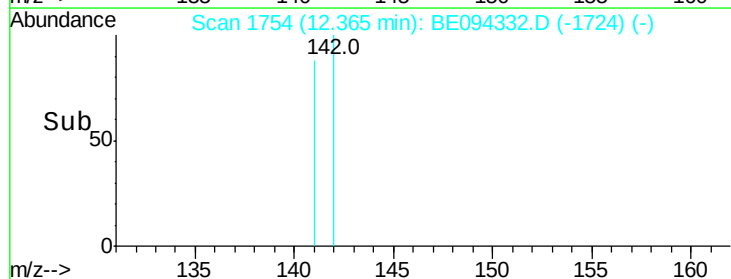
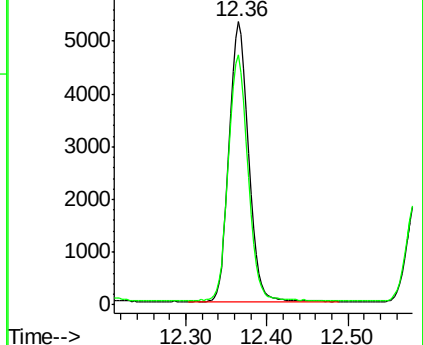
142 100

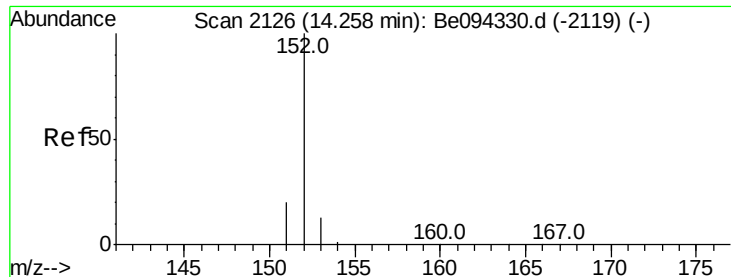
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.519 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

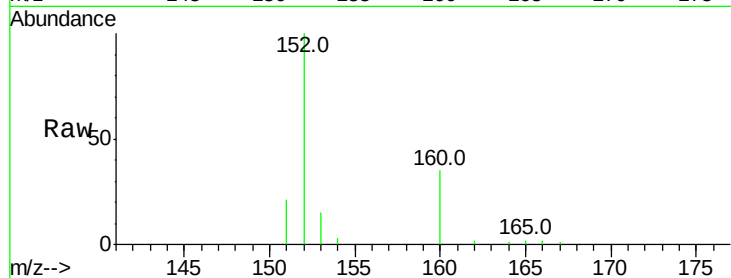
Tot Ion:152 Resp: 8564

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

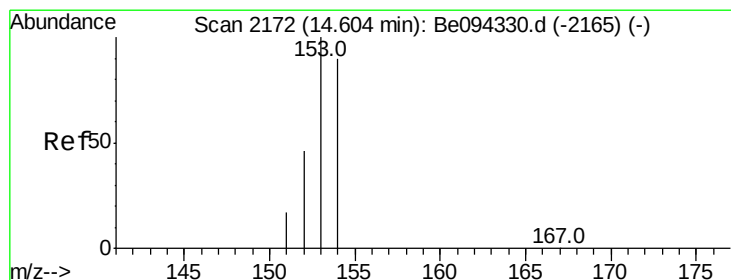
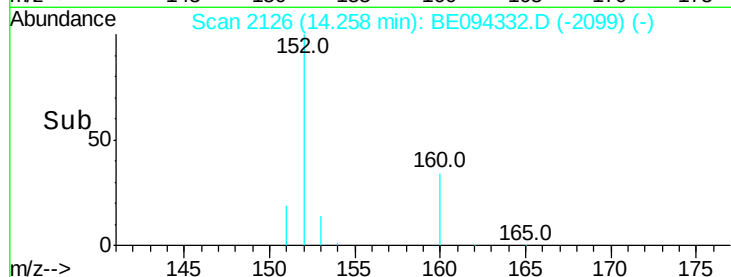
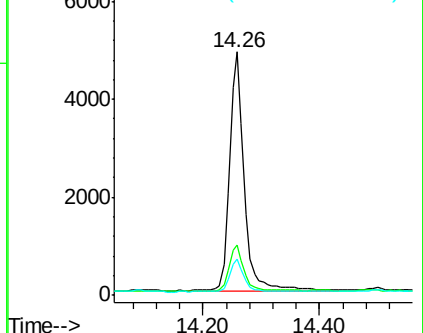
153 15.0 12.8 19.2



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: 0.136 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

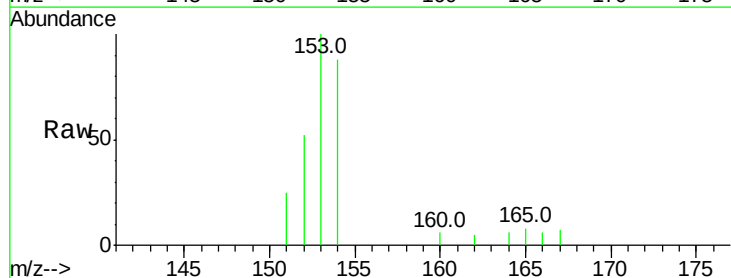
Tgt Ion:153 Resp: 1844

Ion Ratio Lower Upper

153 100

152 52.2 40.3 60.5

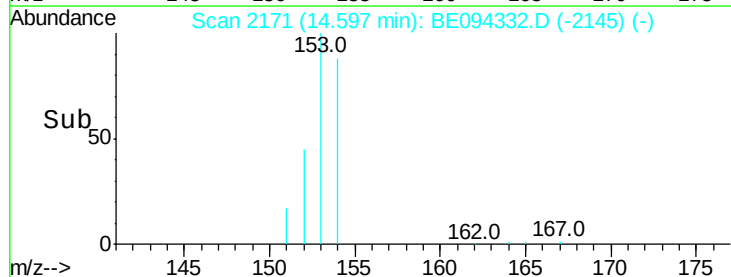
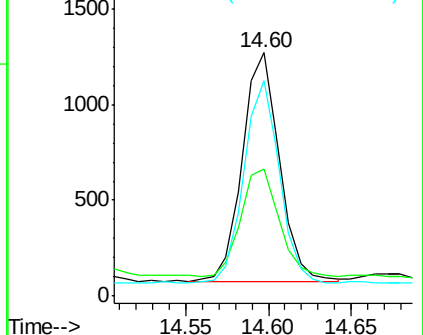
154 88.4 71.4 107.2

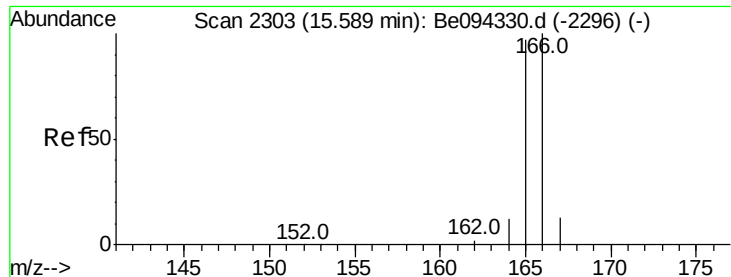


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.139 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

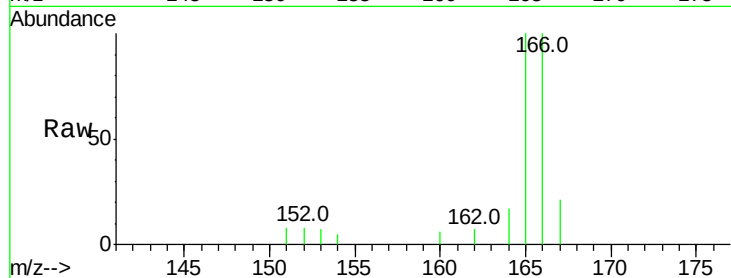
Tot Ion:166 Resp: 2202

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

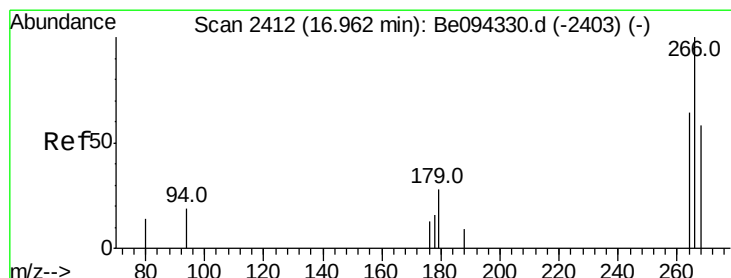
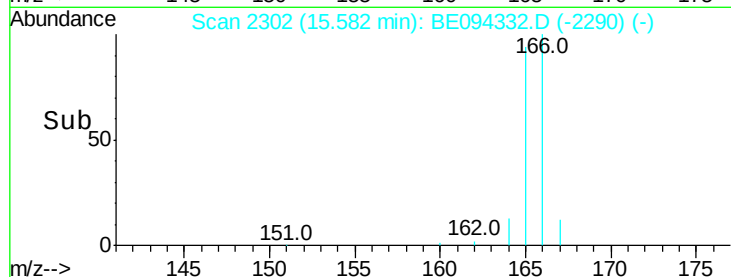
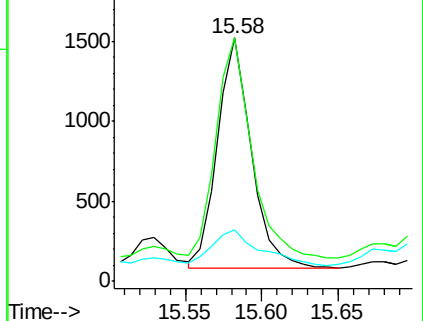
167 21.2 14.6 22.0



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: 0.057 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. 0.02 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

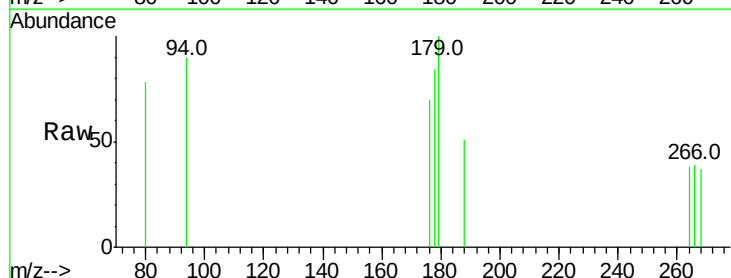
Tgt Ion:266 Resp: 60

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

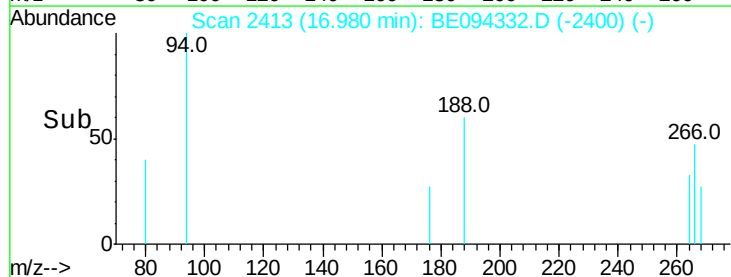
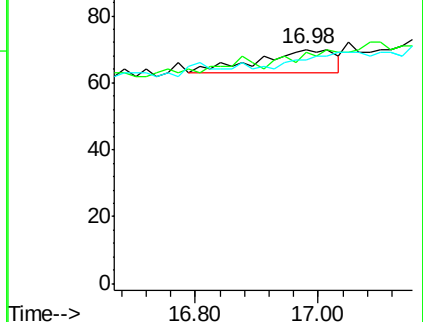
268 0.0 49.8 74.8#

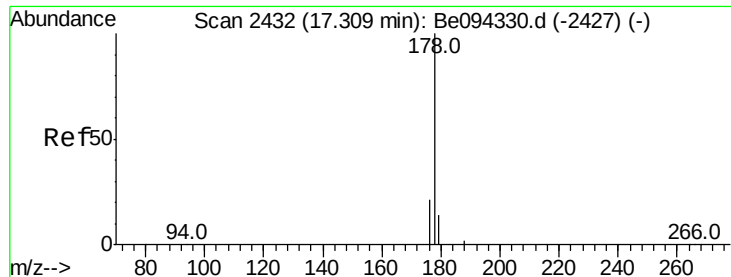


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.981 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

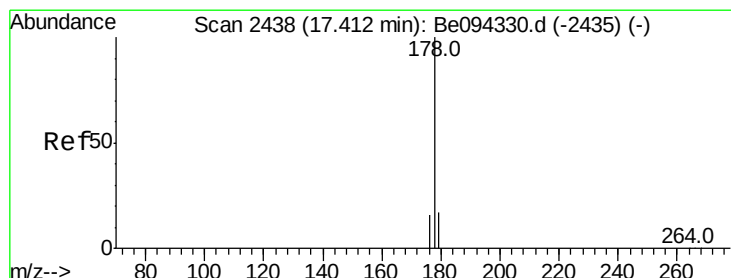
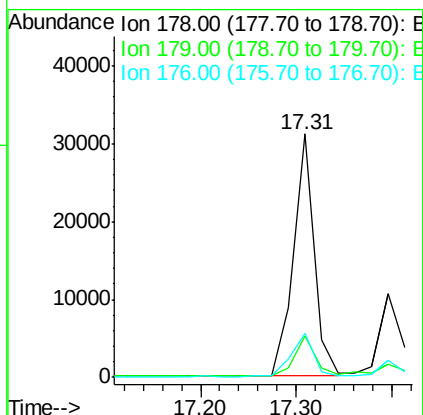
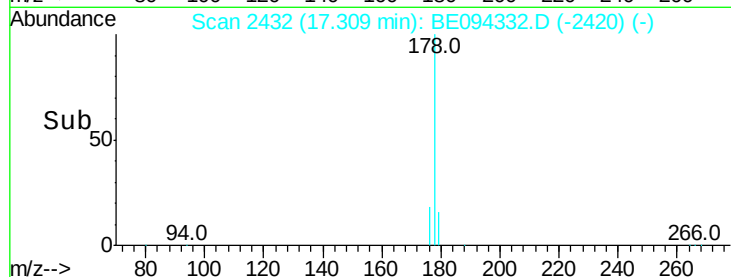
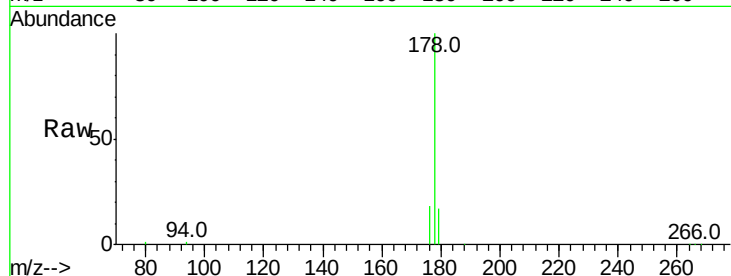
Tot Ion:178 Resp: 46818

Ion Ratio Lower Upper

178 100

179 16.8 18.4 27.6#

176 17.9 13.6 20.4



#13

Anthracene

Concen: 0.722 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

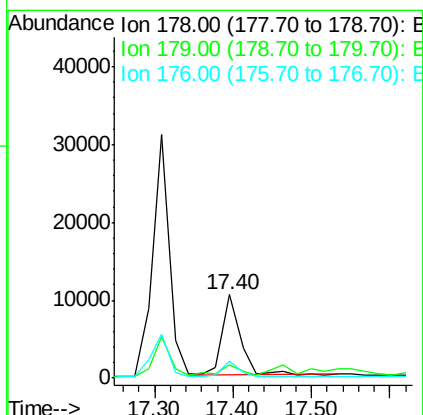
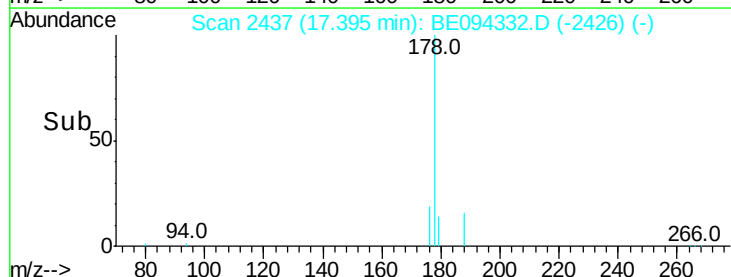
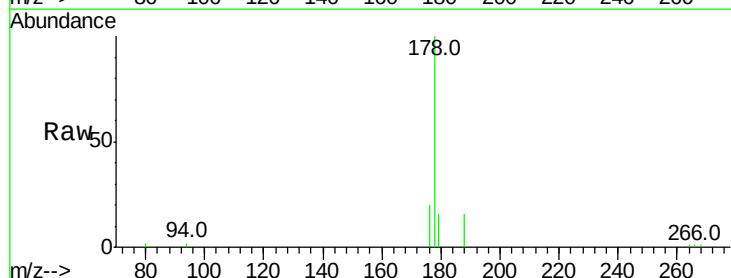
Tgt Ion:178 Resp: 16582

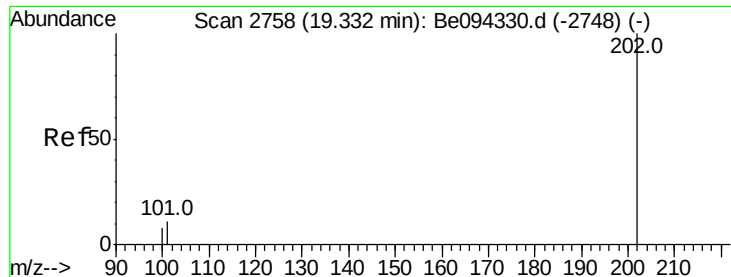
Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

176 20.2 14.7 22.1

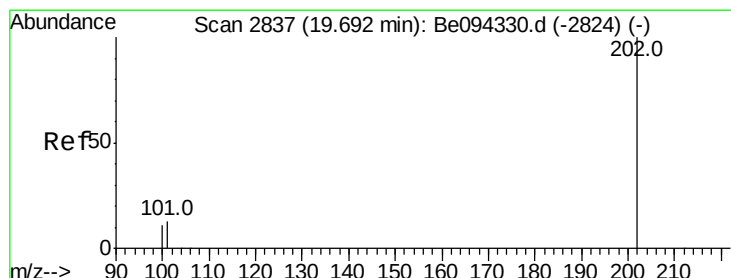
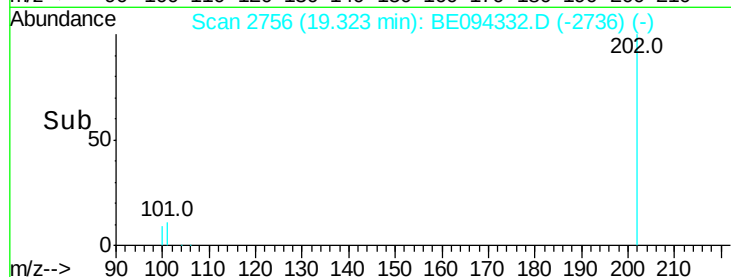
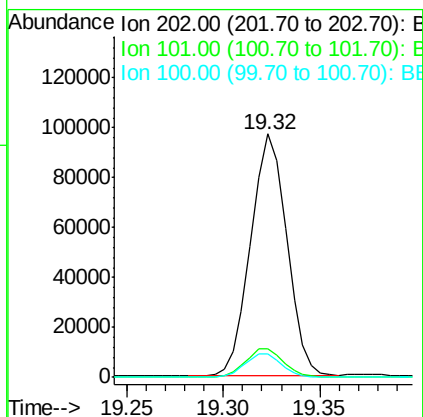
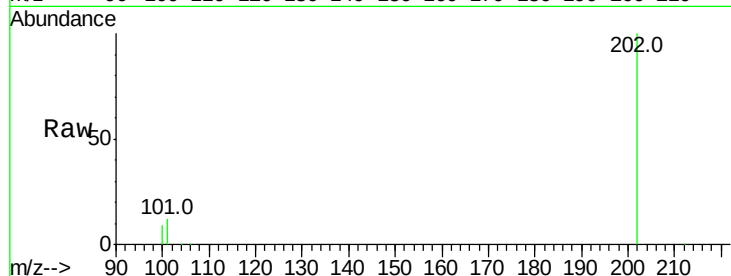




#15
Fluoranthene
 Concen: 4.091 ng/ul
 RT: 19.32 min Scan# 2756
 Delta R.T. -0.01 min
 Lab File: BE094332.D
 Acq: 13 Oct 2017 20:35

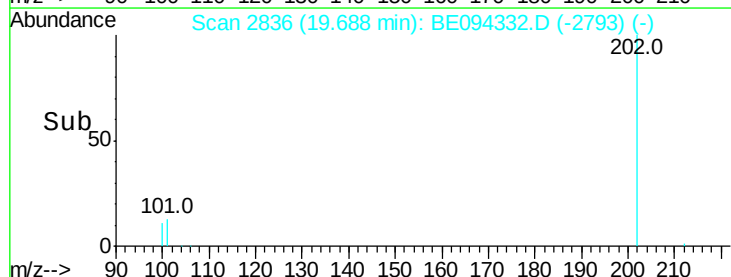
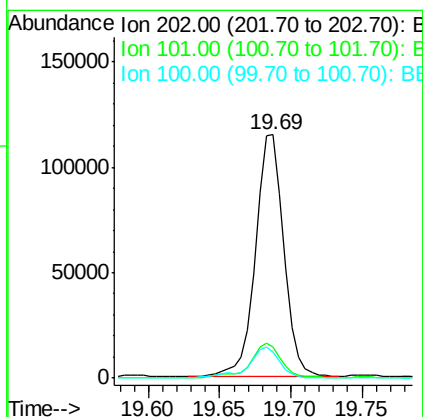
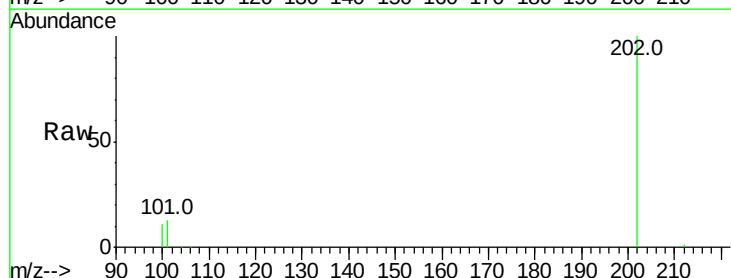
Instrument :
 BNA_E
 ClientSampleId :

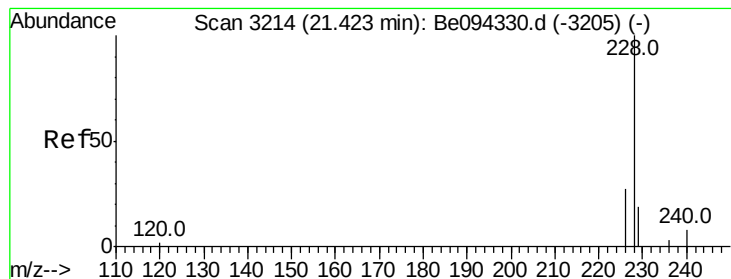
Tot Ion:202 Resp: 127012
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.3
 100 9.5 0.0 39.5



#17
Pyrene
 Concen: 6.480 ng/ul
 RT: 19.69 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: BE094332.D
 Acq: 13 Oct 2017 20:35

Tgt Ion:202 Resp: 161204
 Ion Ratio Lower Upper
 202 100
 101 12.8 18.2 27.4#
 100 10.7 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 3.066 ng/ul

RT: 21.42 min Scan# 3212

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

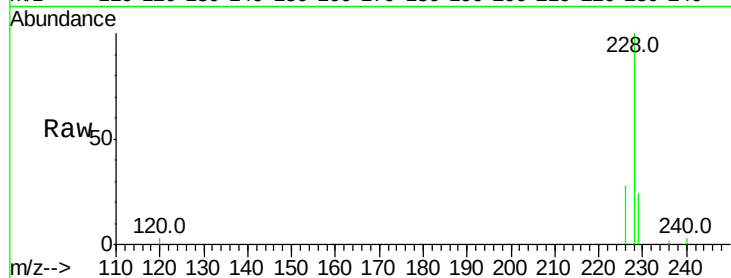
Tot Ion:228 Resp: 72726

Ion Ratio Lower Upper

228 100

229 23.5 22.8 34.2

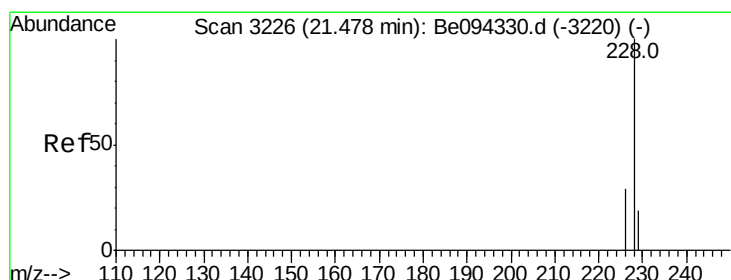
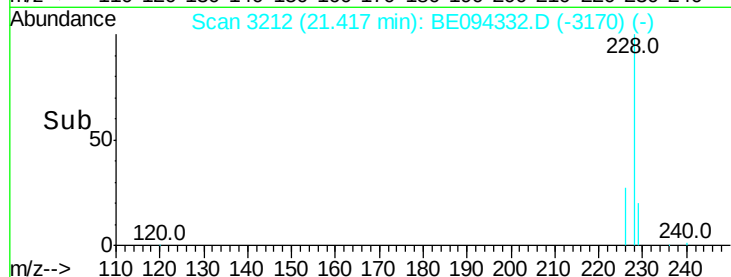
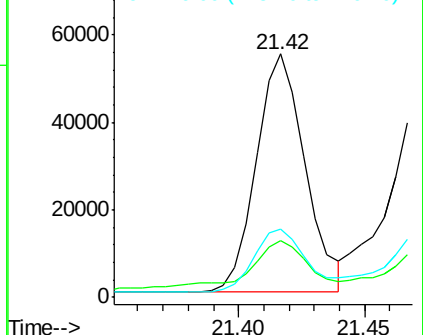
226 28.3 17.0 25.6#



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: 2.528 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

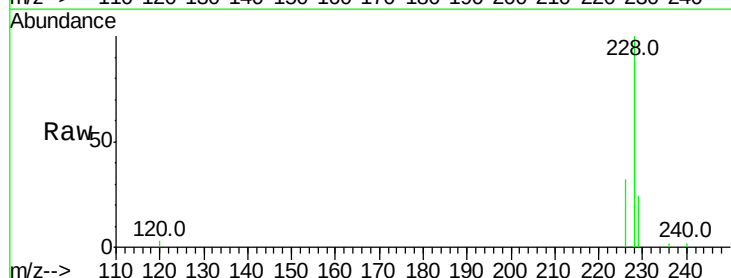
Tgt Ion:228 Resp: 69258

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

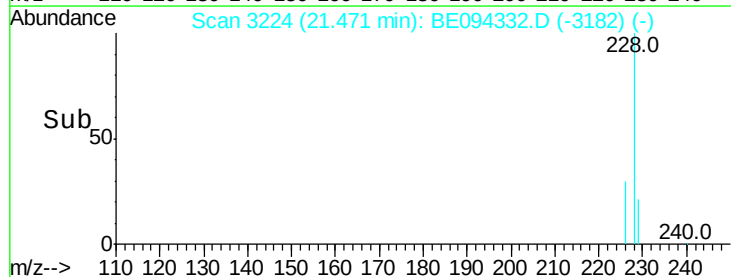
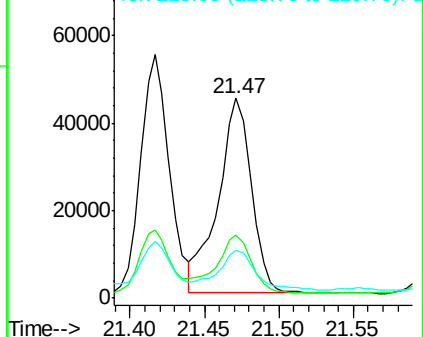
229 24.1 17.7 26.5

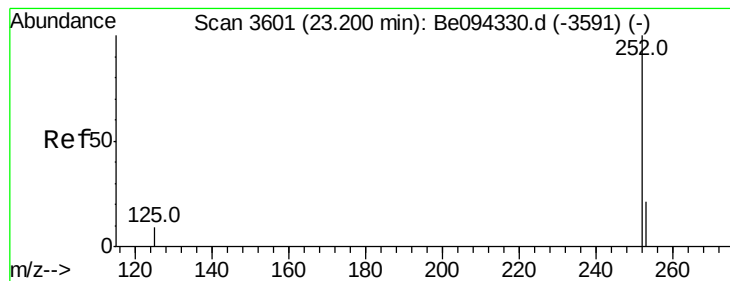


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.006 ng/ul

RT: 23.20 min Scan# 3599

Delta R.T. -0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

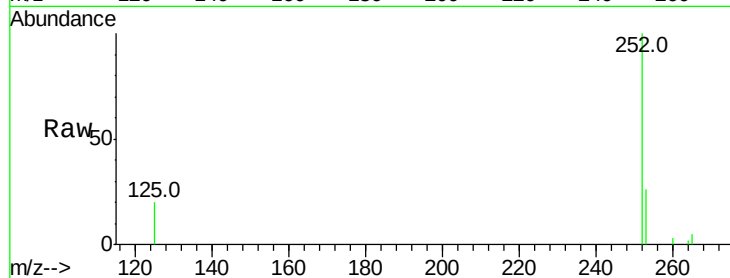
Tot Ion:252 Resp: 93527

Ion Ratio Lower Upper

252 100

253 26.2 0.0 64.2

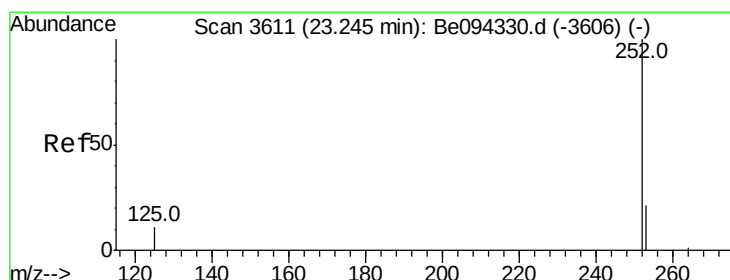
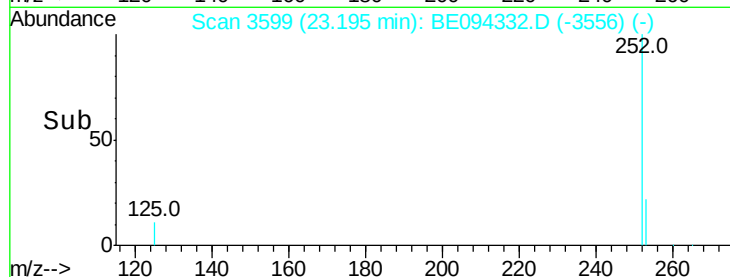
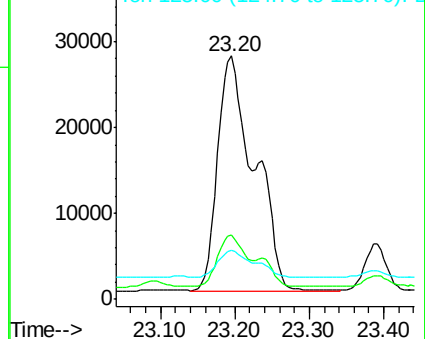
125 20.2 0.0 35.0



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: 3.459 ng/ul

RT: 23.20 min Scan# 3599

Delta R.T. -0.05 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

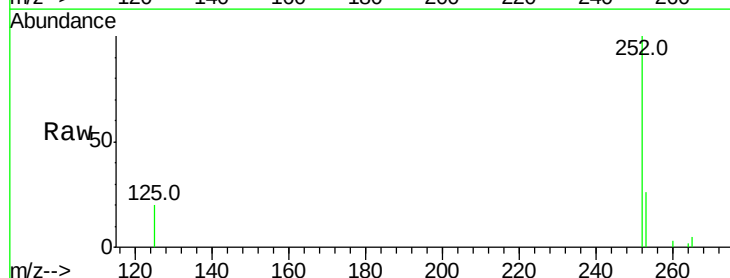
Tgt Ion:252 Resp: 93363

Ion Ratio Lower Upper

252 100

253 26.2 24.5 36.7

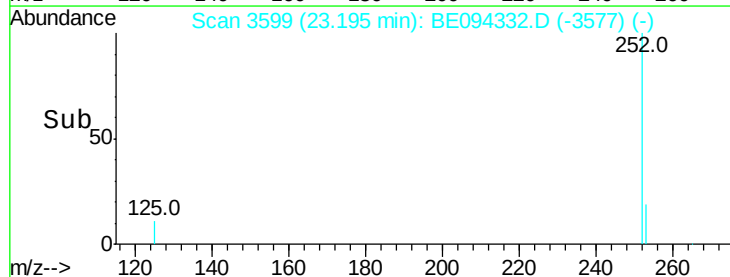
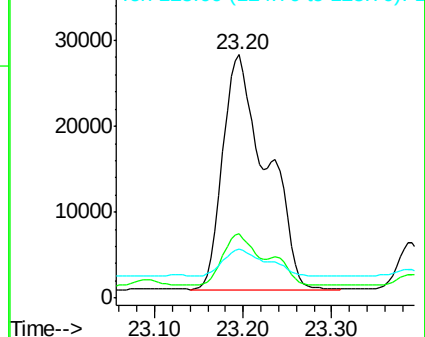
125 20.2 13.7 20.5

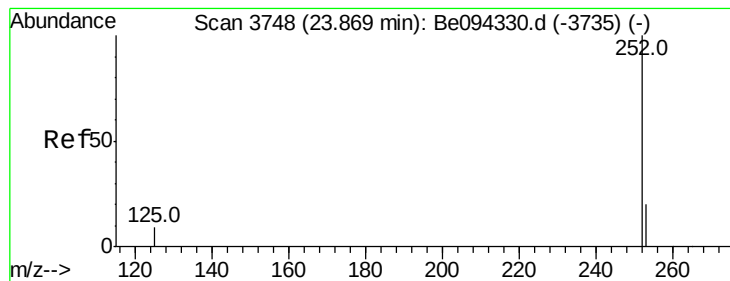


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.308 ng/ul

RT: 23.86 min Scan# 3744

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :

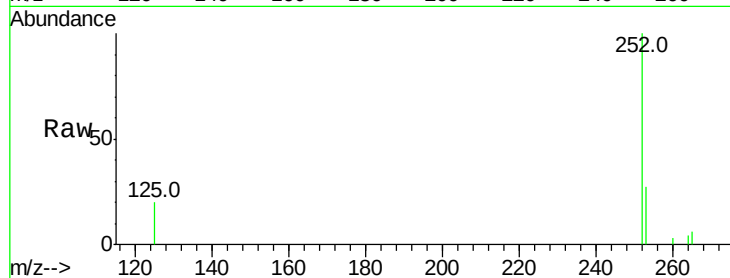
Tot Ion:252 Resp: 55999

Ion Ratio Lower Upper

252 100

253 26.7 28.5 42.7#

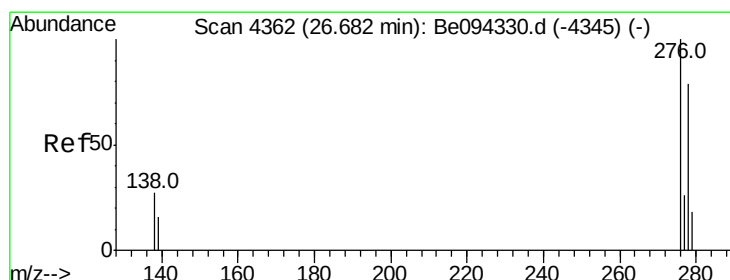
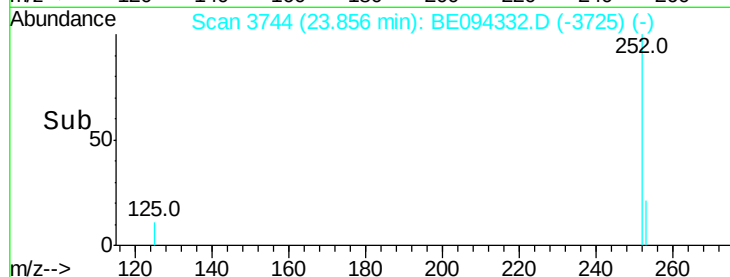
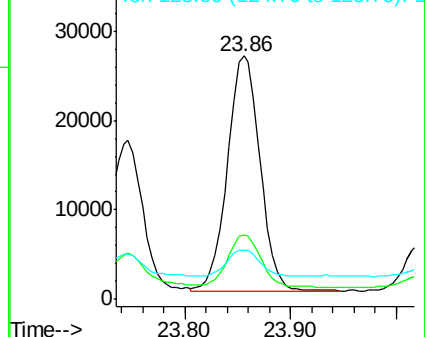
125 20.3 18.1 27.1



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: 1.209 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.02 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

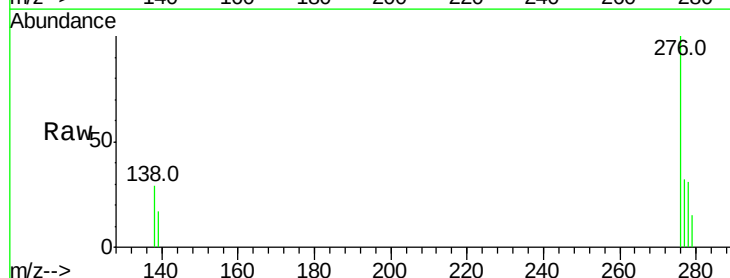
Tgt Ion:276 Resp: 30014

Ion Ratio Lower Upper

276 100

138 23.1 28.0 42.0#

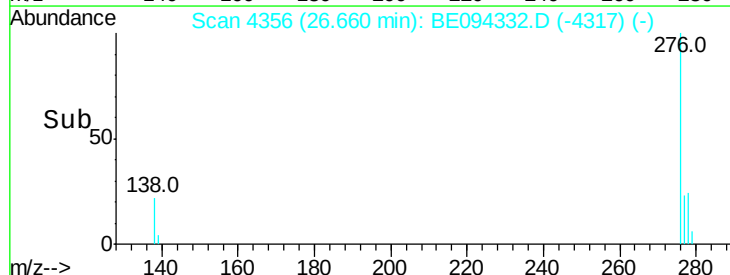
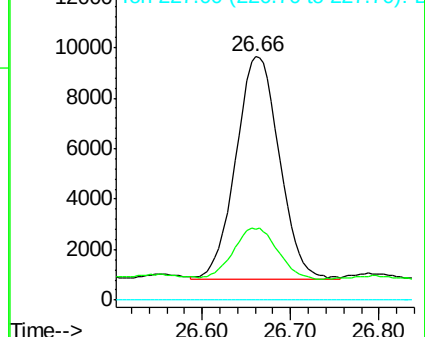
227 0.0 8.0 12.0#

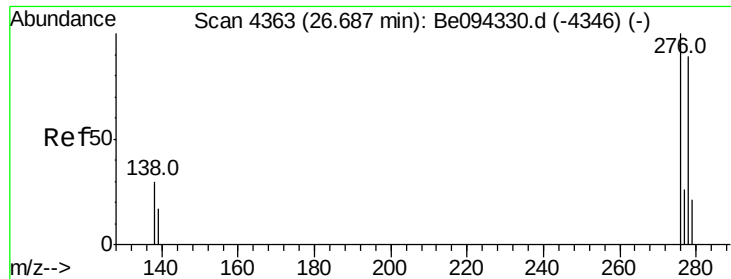


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.429 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.03 min

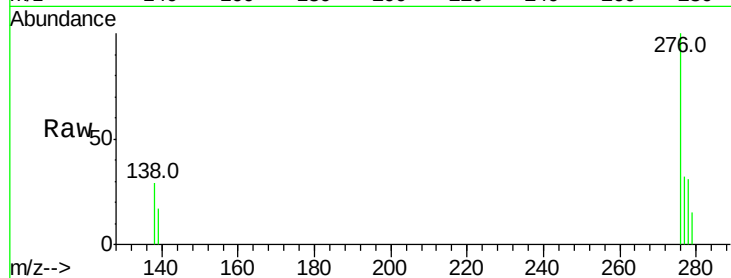
Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

ClientSampleId :



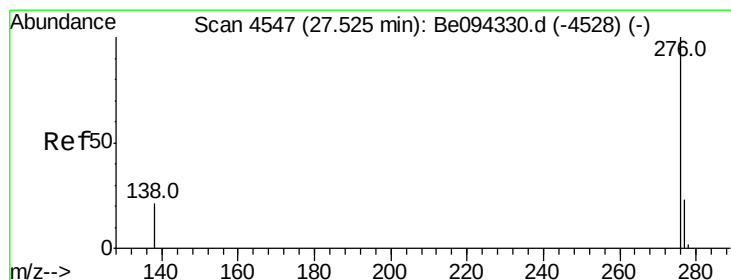
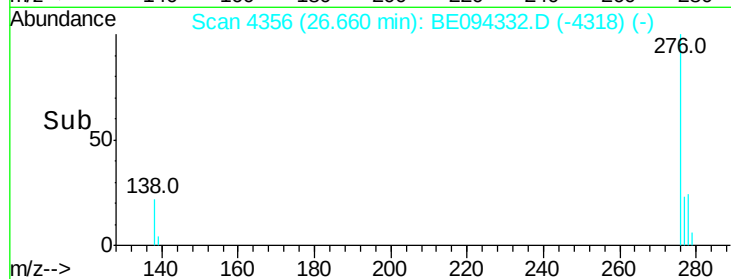
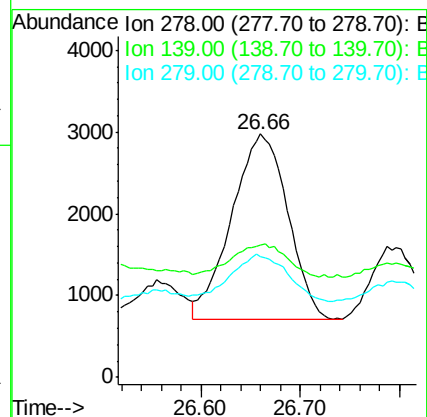
Tot Ion:278 Resp: 8931

Ion Ratio Lower Upper

278 100

139 54.2 17.4 26.0#

279 49.6 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 1.173 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. -0.03 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:276 Resp: 25116

Ion Ratio Lower Upper

276 100

138 30.8 21.8 32.8

277 33.7 20.5 30.7#

