

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094292.D
 Acq On : 11 Oct 2017 22:56
 Operator : SJ/JU
 Sample : I5490-05DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 12 07:37:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

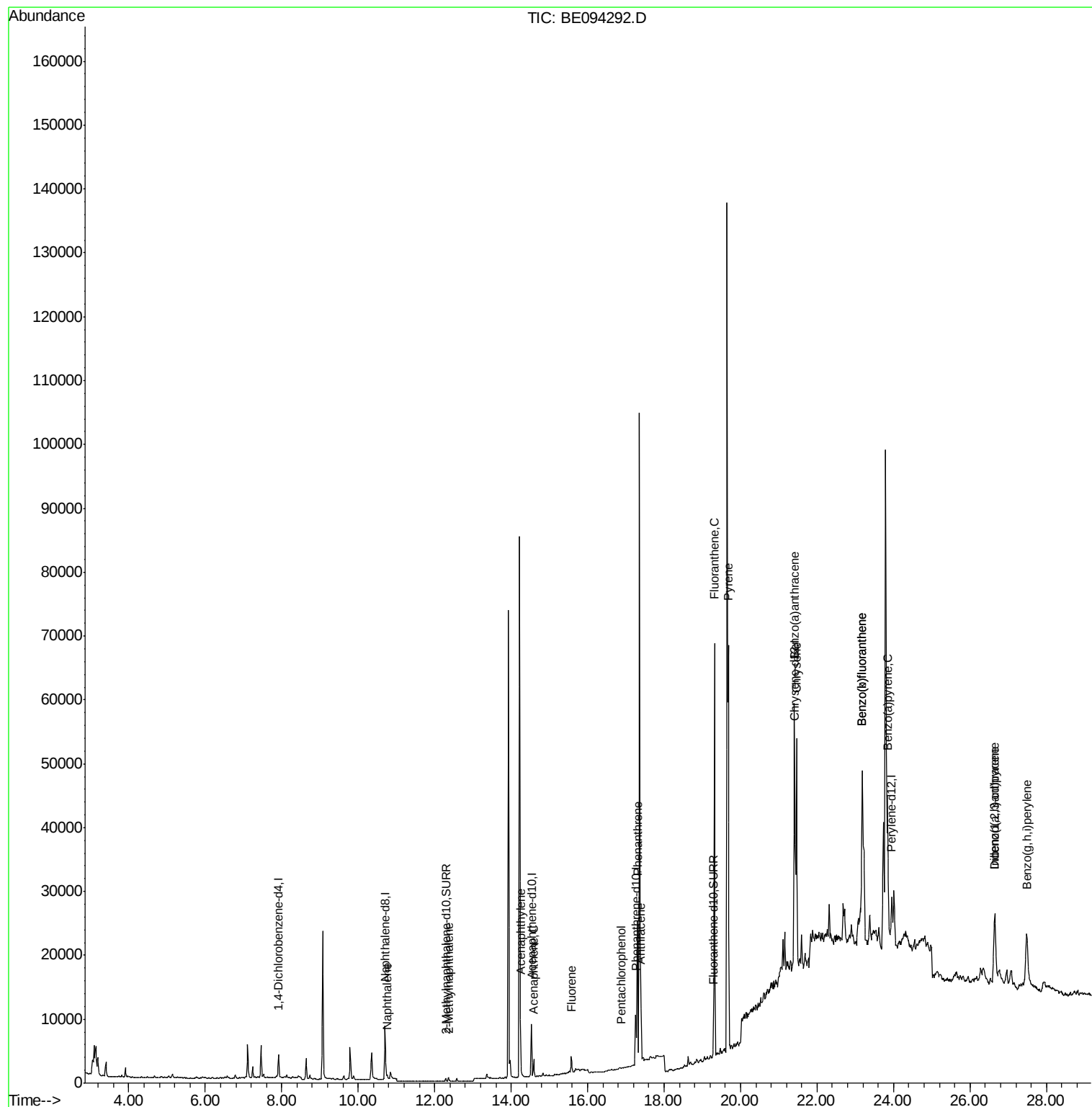
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1891	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9203	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5123	0.40	ng/ul	0.01
10) Phenanthrene-d10	17.26	188	10471	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11415	0.40	ng/ul	0.02
20) Perylene-d12	23.96	264	11203	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	721	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1582	0.05	ng/ul	0.01
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	1026	0.046	ng/ul#	81
5) 2-Methylnaphthalene	12.36	142	581	0.040	ng/ul	97
7) Acenaphthylene	14.25	152	1643	0.082	ng/ul#	81
8) Acenaphthene	14.59	153	1694	0.103	ng/ul	98
9) Fluorene	15.57	166	1666	0.087	ng/ul#	81
11) Pentachlorophenol	16.87	266	74	0.060	ng/ul#	33
12) Phenanthrene	17.31	178	36013	1.316	ng/ul	96
13) Anthracene	17.39	178	9694	0.364	ng/ul	96
15) Fluoranthene	19.32	202	72390	2.013	ng/ul	84
17) Pyrene	19.68	202	69775	2.197	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	37282	1.231	ng/ul#	83
19) Chrysene	21.46	228	39155	1.120	ng/ul#	77
21) Benzo(b)fluoranthene	23.18	252	65628	2.156	ng/ul#	72
22) Benzo(k)fluoranthene	23.18	252	65559	1.864	ng/ul#	69
23) Benzo(a)pyrene	23.84	252	35562	1.125	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	26.64	276	23424	0.724	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.64	278	5928	0.218	ng/ul#	1
26) Benzo(g,h,i)perylene	27.48	276	24799	0.889	ng/ul#	56

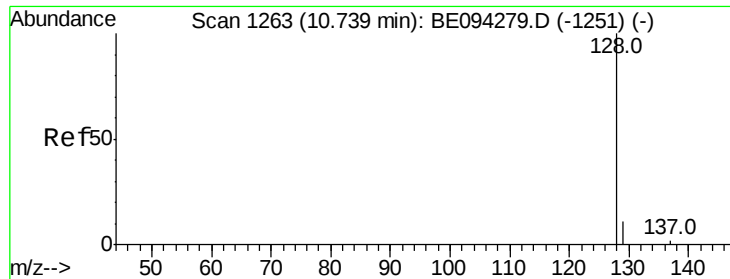
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Oct 12 07:37:01 2017
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QLast Update : Thu Oct 12 07:31:23 2017
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#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

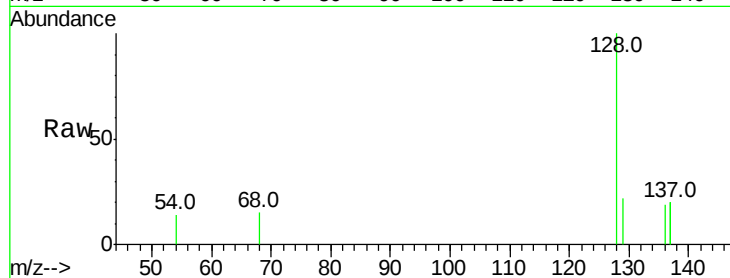
Tot Ion:128 Resp: 1026

Ion Ratio Lower Upper

128 100

129 22.2 11.3 16.9#

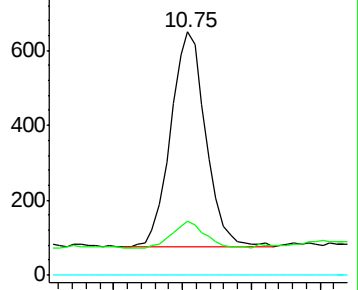
127 0.0 4.0 6.0#



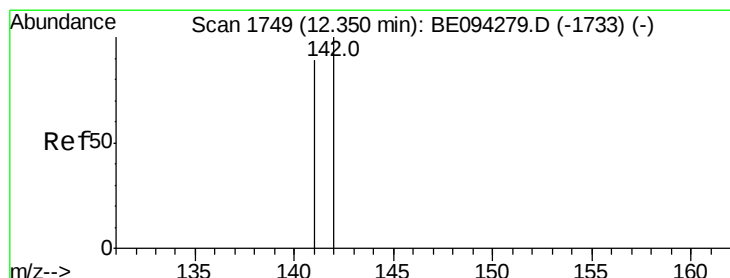
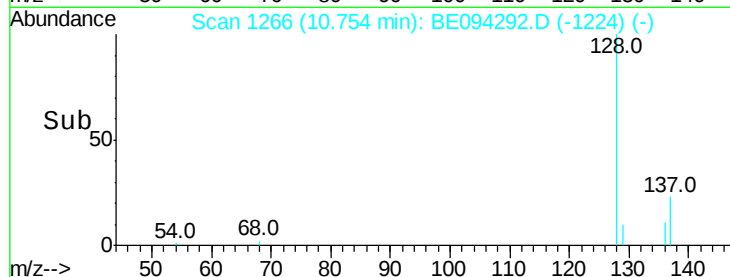
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.040 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BE094292.D

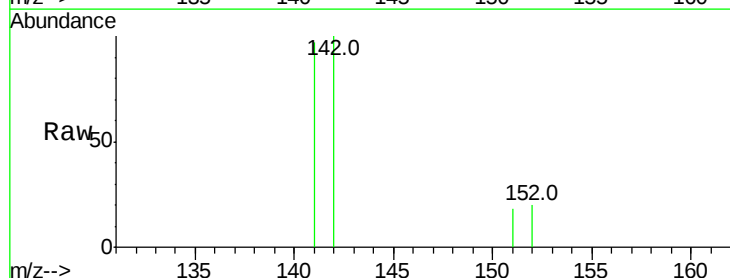
Acq: 11 Oct 2017 22:56

Tgt Ion:142 Resp: 581

Ion Ratio Lower Upper

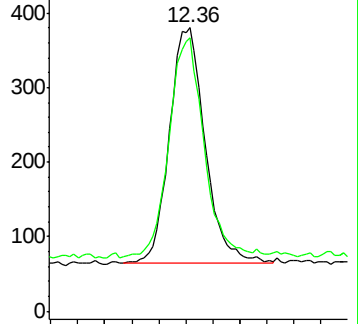
142 100

141 93.1 72.6 108.8

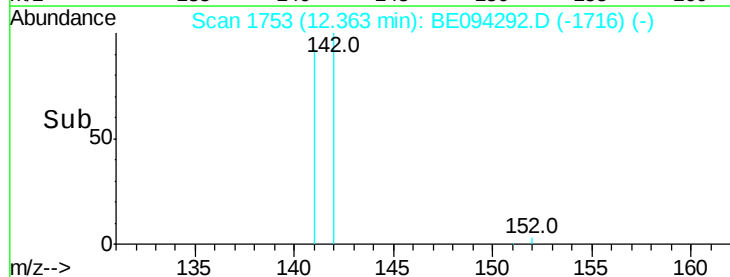


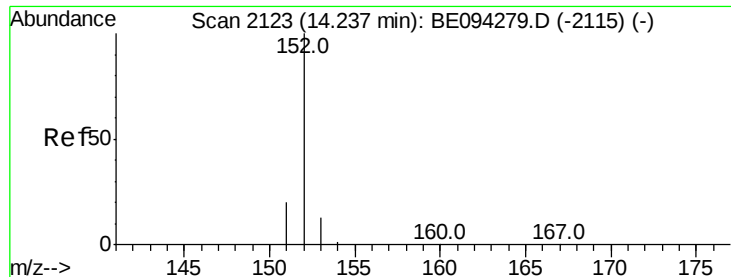
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.082 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

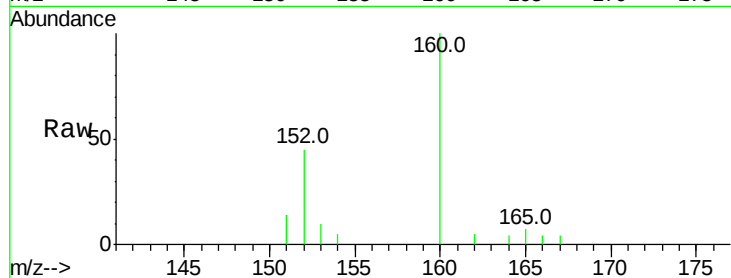
Tot Ion:152 Resp: 1643

Ion Ratio Lower Upper

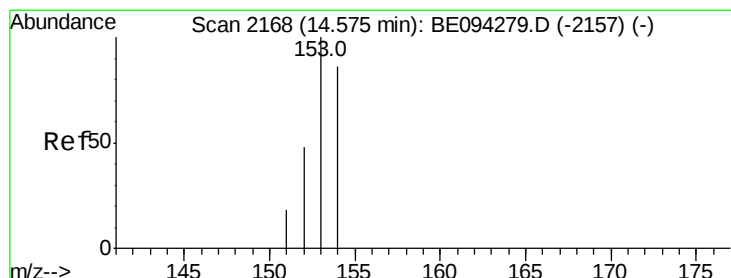
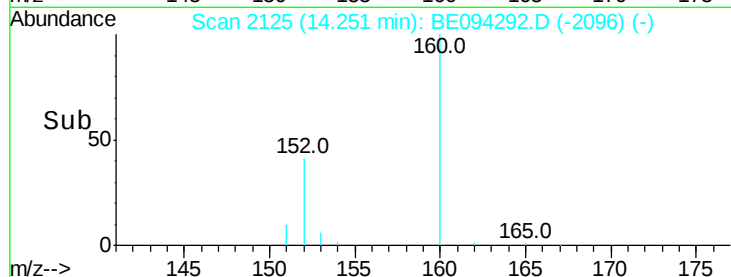
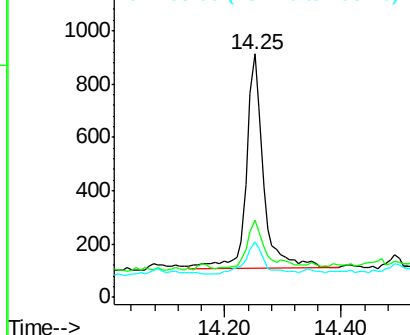
152 100

151 31.5 17.1 25.7#

153 22.8 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: 0.103 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

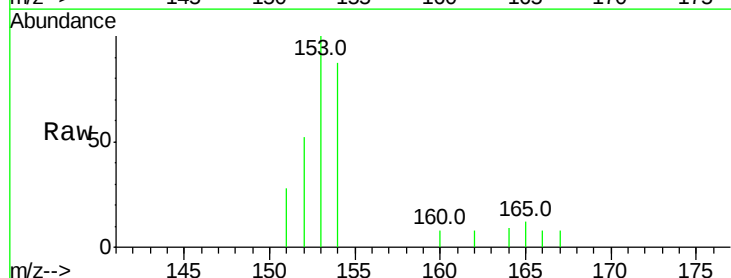
Tgt Ion:153 Resp: 1694

Ion Ratio Lower Upper

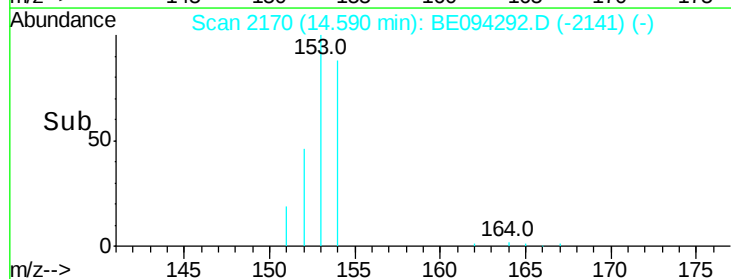
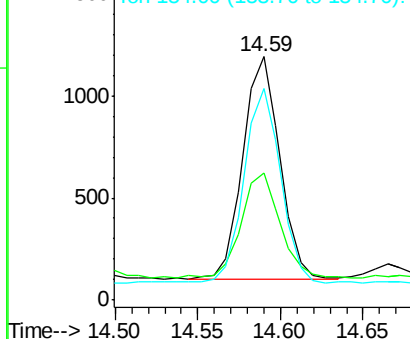
153 100

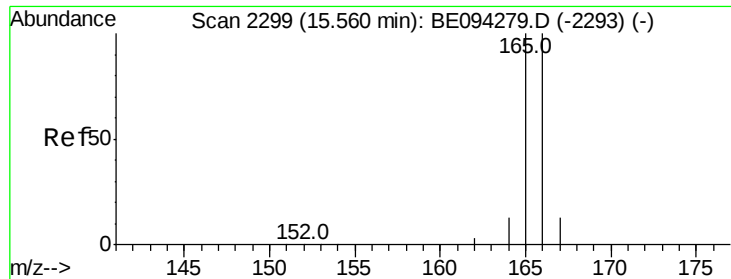
152 52.2 40.3 60.5

154 87.2 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

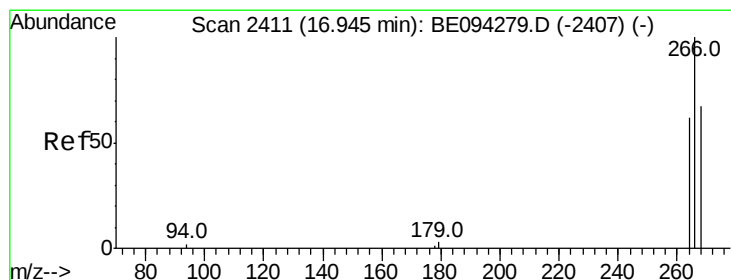
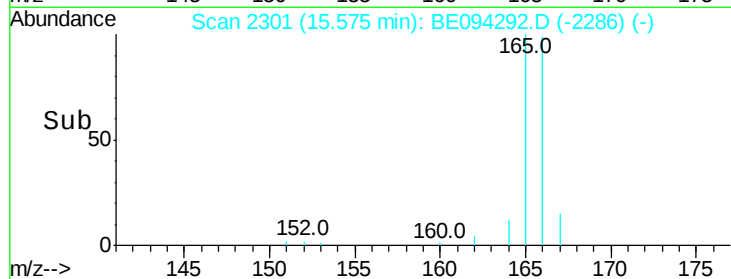
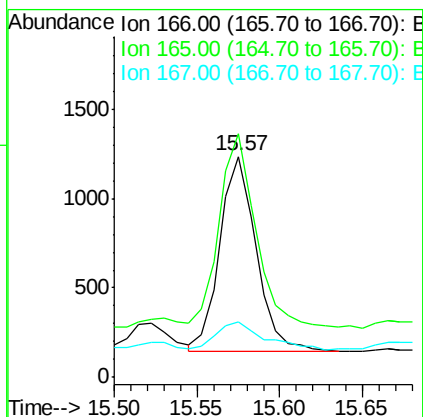
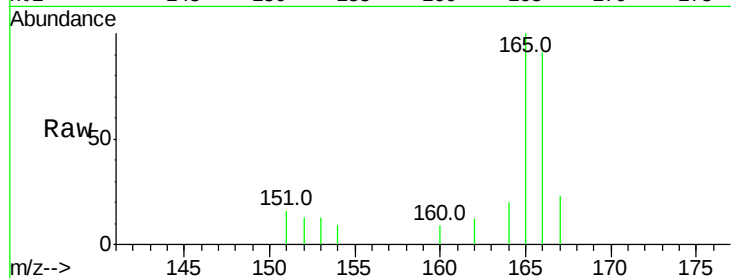




#9
Fluorene
 Concen: 0.087 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BE094292.D
 Acq: 11 Oct 2017 22:56

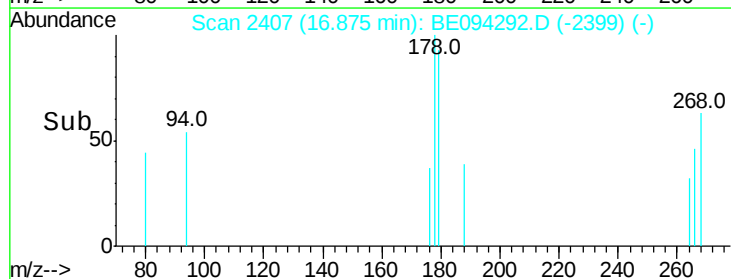
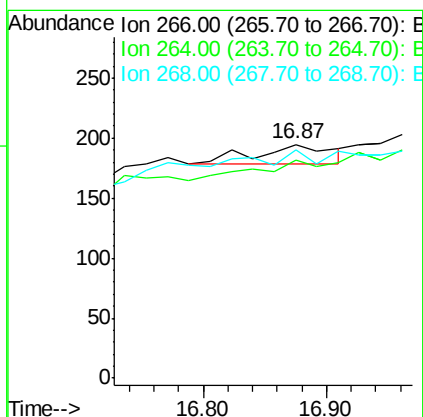
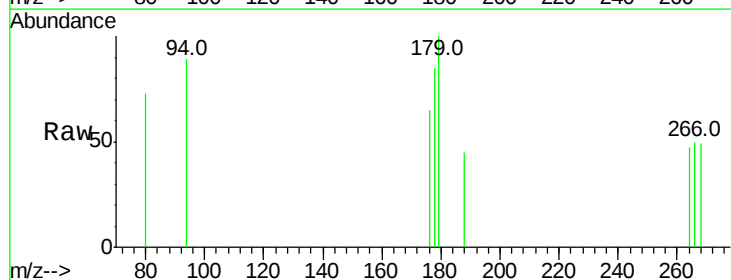
Instrument :
 BNA_E
 ClientSampleId :

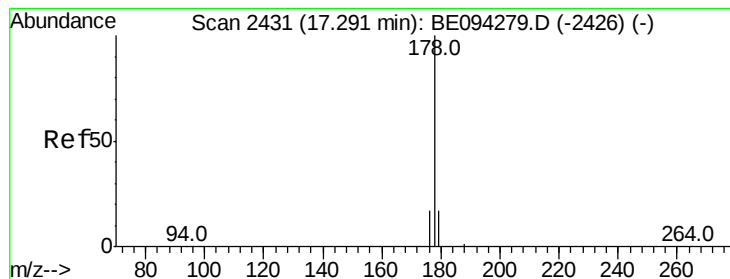
Tot Ion:166 Resp: 1666
 Ion Ratio Lower Upper
 166 100
 165 110.2 73.4 110.2#
 167 25.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.060 ng/ul
 RT: 16.87 min Scan# 2407
 Delta R.T. -0.07 min
 Lab File: BE094292.D
 Acq: 11 Oct 2017 22:56

Tgt Ion:266 Resp: 74
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 20.3 49.8 74.8#





#12

Phenanthrene

Concen: 1.316 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

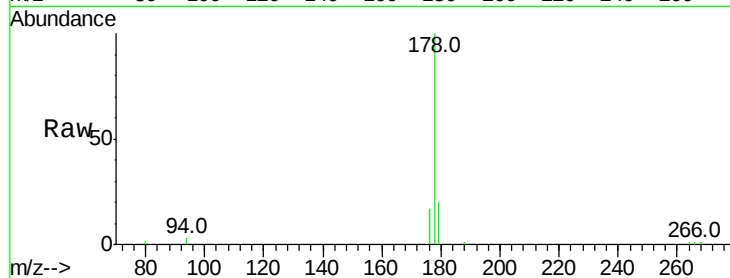
Tot Ion:178 Resp: 36013

Ion Ratio Lower Upper

178 100

179 20.2 18.4 27.6

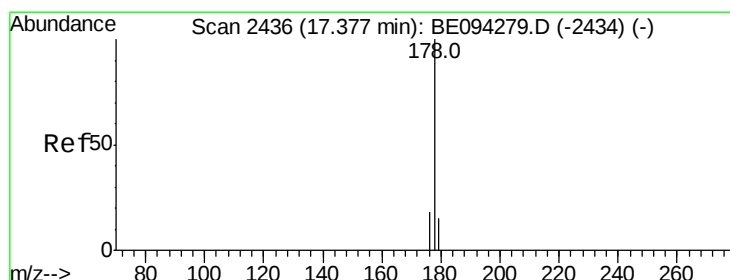
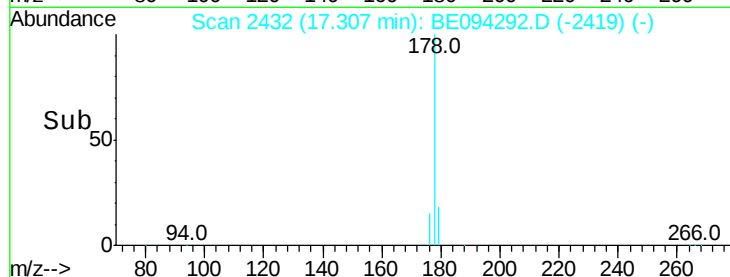
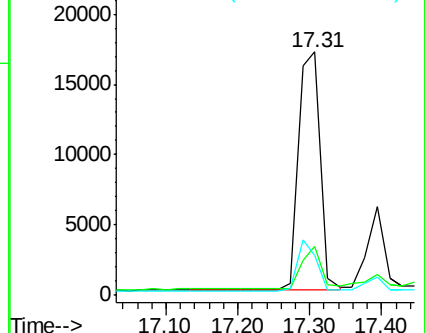
176 16.7 13.6 20.4



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: 0.364 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. 0.02 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

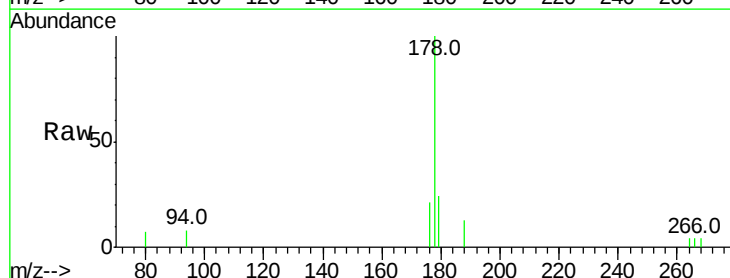
Tgt Ion:178 Resp: 9694

Ion Ratio Lower Upper

178 100

179 23.7 18.1 27.1

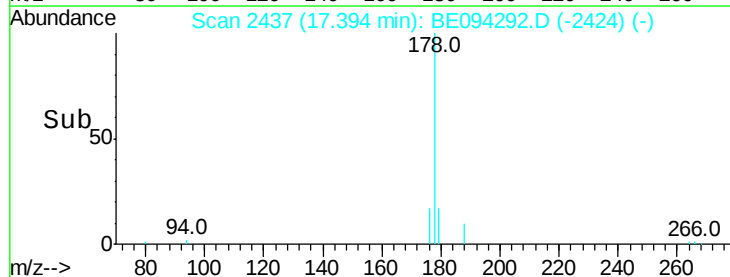
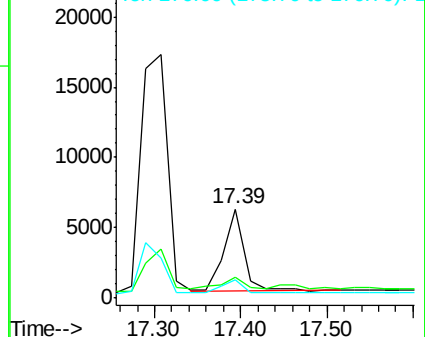
176 21.0 14.7 22.1

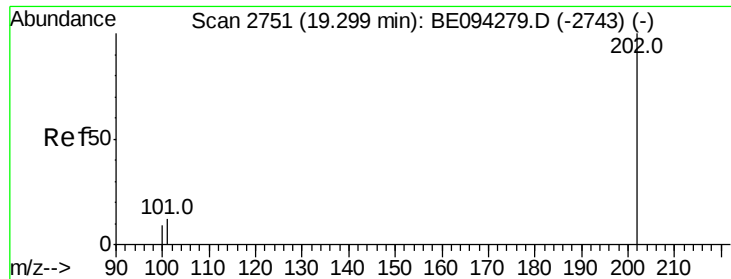


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.013 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.02 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

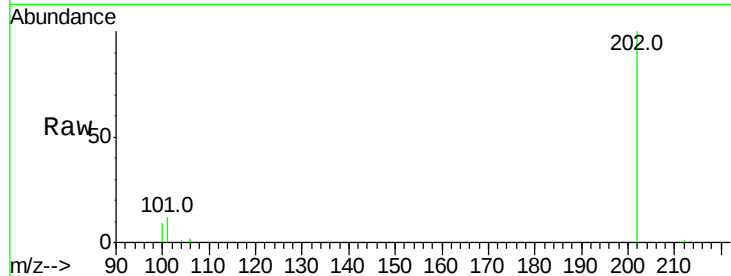
Tot Ion:202 Resp: 72390

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

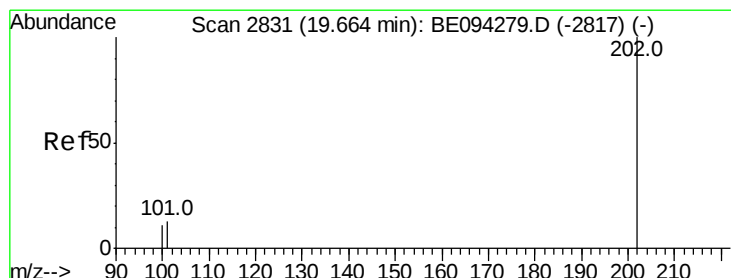
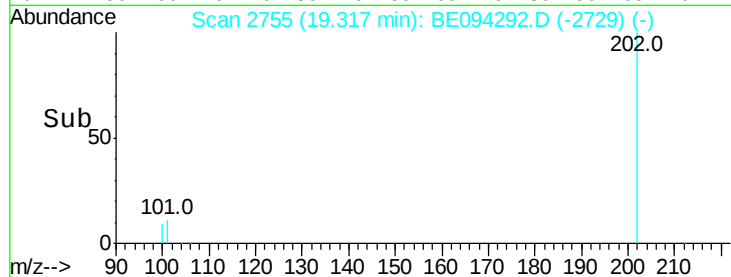
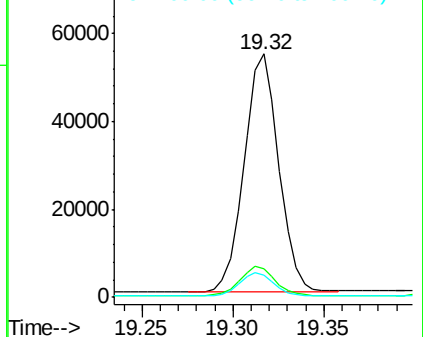
100 8.9 0.0 39.5



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: 2.197 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.01 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

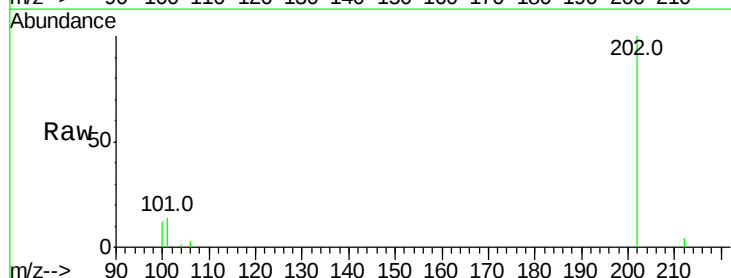
Tgt Ion:202 Resp: 69775

Ion Ratio Lower Upper

202 100

101 14.1 18.2 27.4#

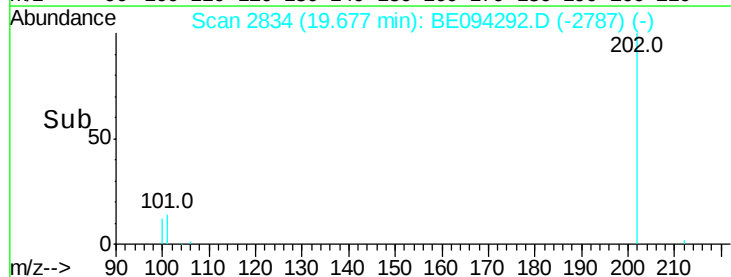
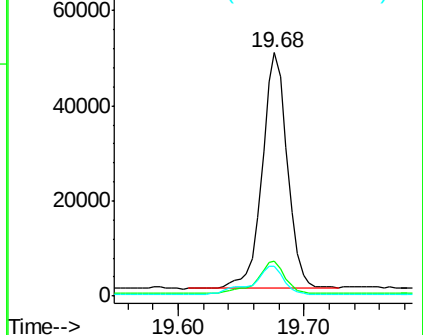
100 12.1 15.6 23.4#

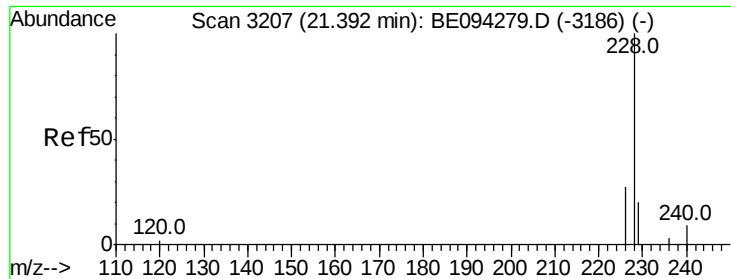


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

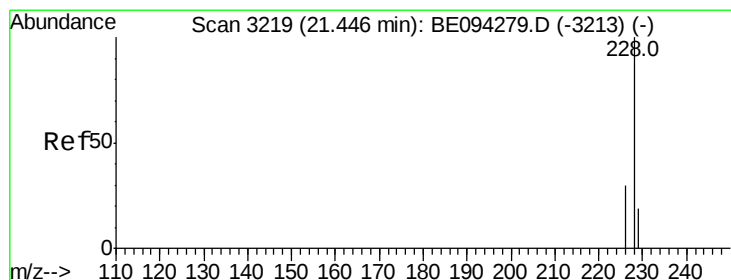
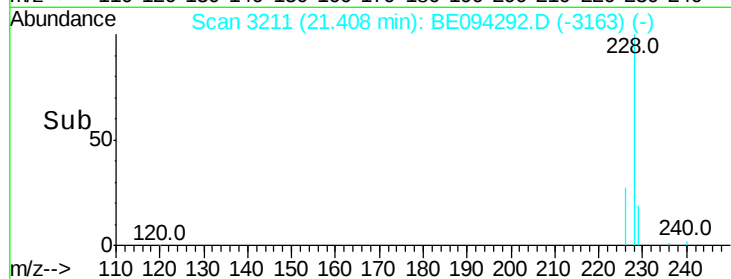
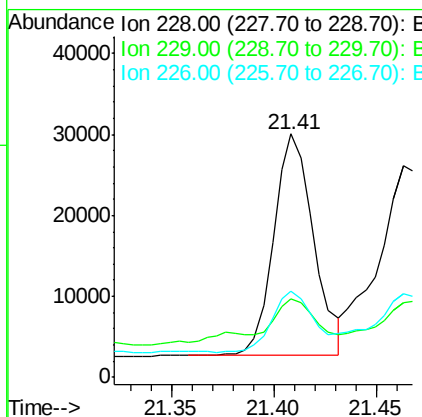
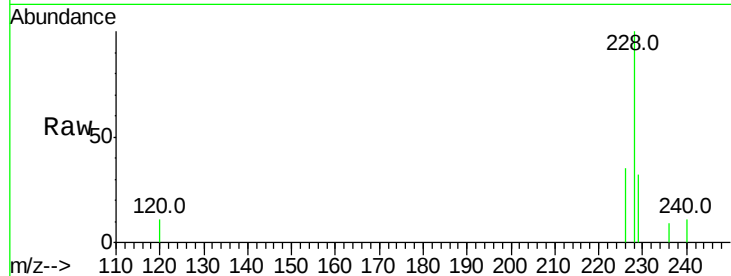




#18
Benzo(a)anthracene
Concen: 1.231 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. 0.02 min
Lab File: BE094292.D
Acq: 11 Oct 2017 22:56

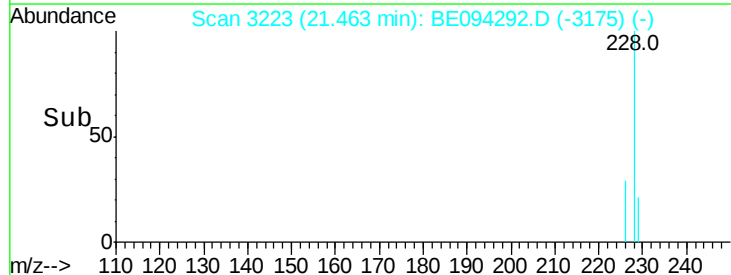
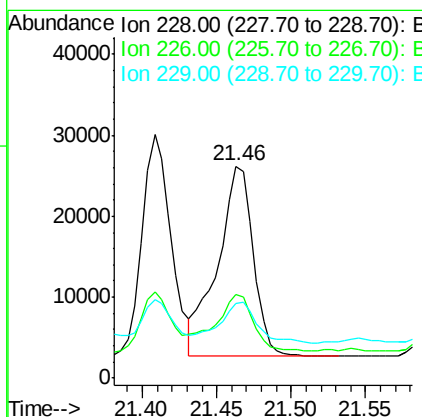
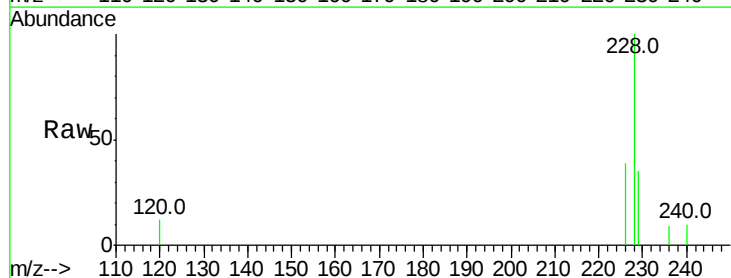
Instrument :
BNA_E
ClientSampleId :

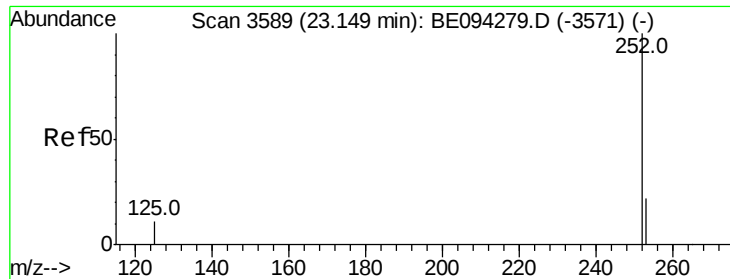
Tot Ion:228 Resp: 37282
Ion Ratio Lower Upper
228 100
229 32.3 22.8 34.2
226 35.4 17.0 25.6#



#19
Chrysene
Concen: 1.120 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. 0.02 min
Lab File: BE094292.D
Acq: 11 Oct 2017 22:56

Tgt Ion:228 Resp: 39155
Ion Ratio Lower Upper
228 100
226 39.5 23.4 35.0#
229 35.4 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 2.156 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.03 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

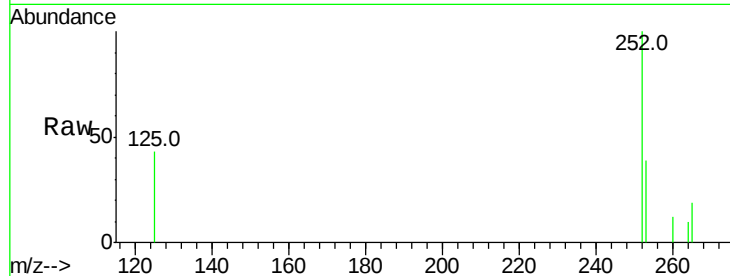
Tot Ion:252 Resp: 65628

Ion Ratio Lower Upper

252 100

253 38.6 0.0 64.2

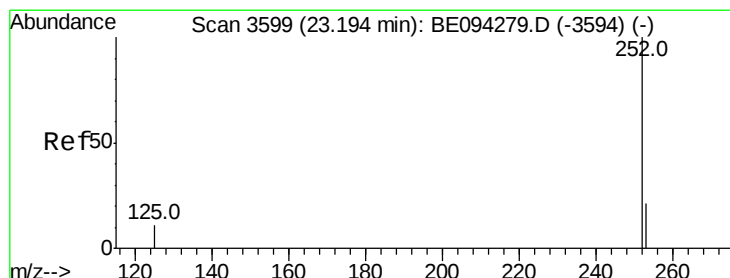
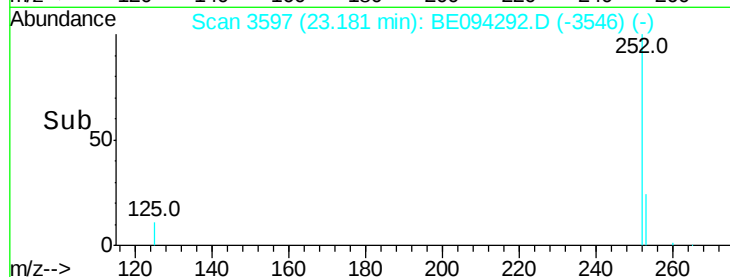
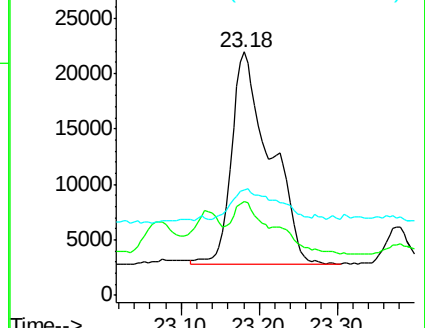
125 43.4 0.0 35.0#



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: 1.864 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

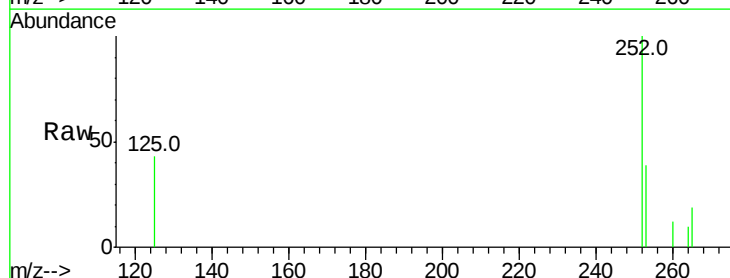
Tgt Ion:252 Resp: 65559

Ion Ratio Lower Upper

252 100

253 38.6 24.5 36.7#

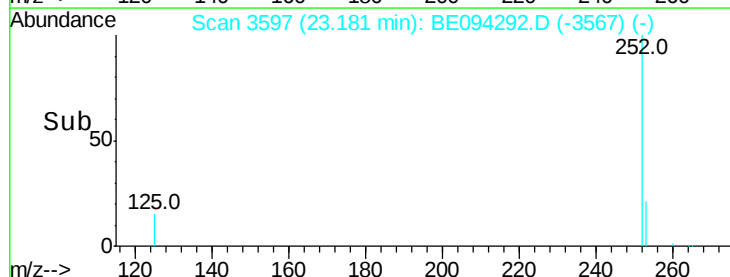
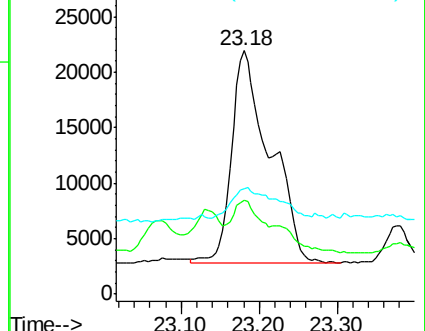
125 43.4 13.7 20.5#

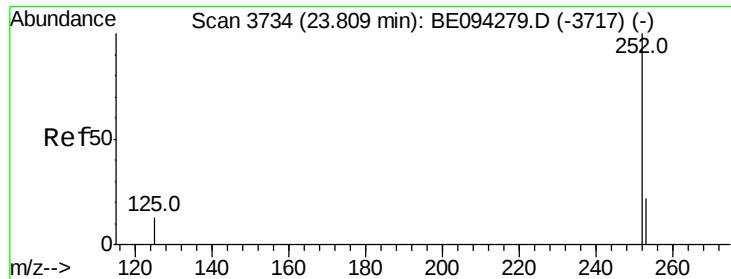


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.125 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. 0.03 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :

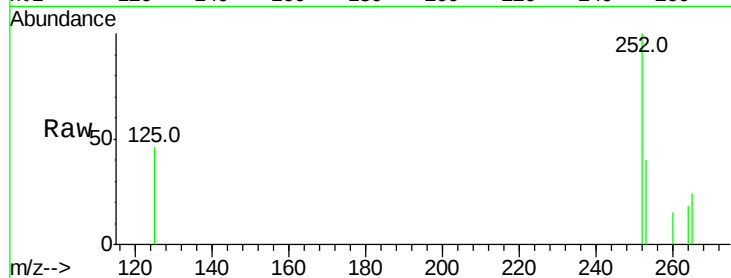
Tot Ion:252 Resp: 35562

Ion Ratio Lower Upper

252 100

253 40.4 28.5 42.7

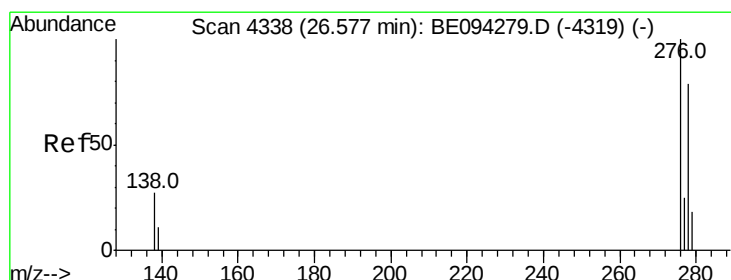
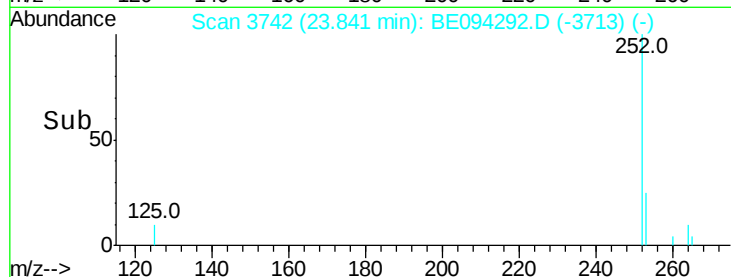
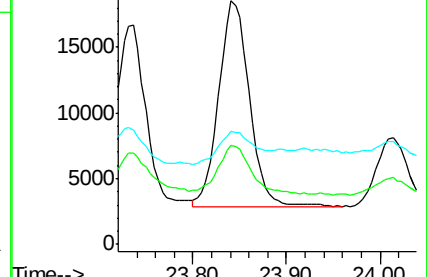
125 46.3 18.1 27.1#



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: 0.724 ng/ul

RT: 26.64 min Scan# 4354

Delta R.T. 0.07 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

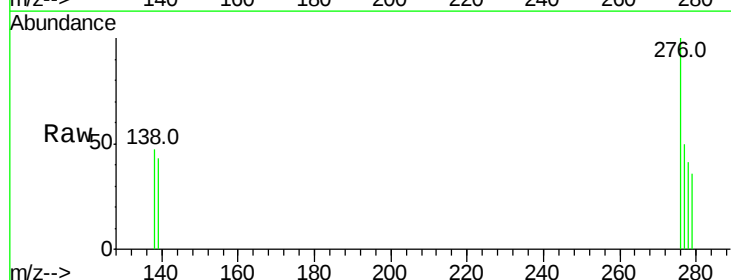
Tgt Ion:276 Resp: 23424

Ion Ratio Lower Upper

276 100

138 23.0 28.0 42.0#

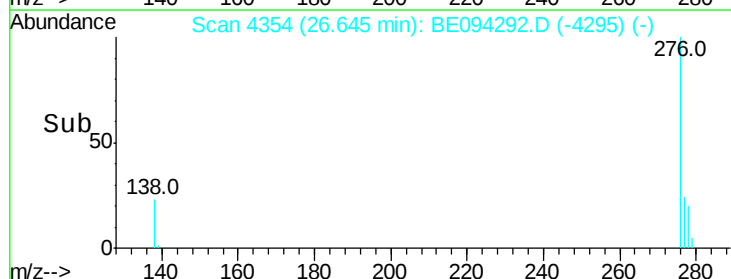
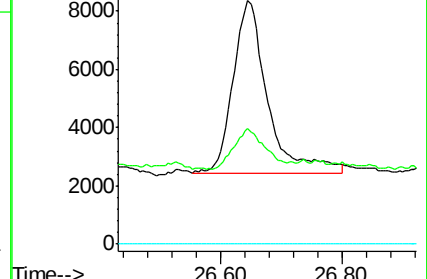
227 0.0 8.0 12.0#

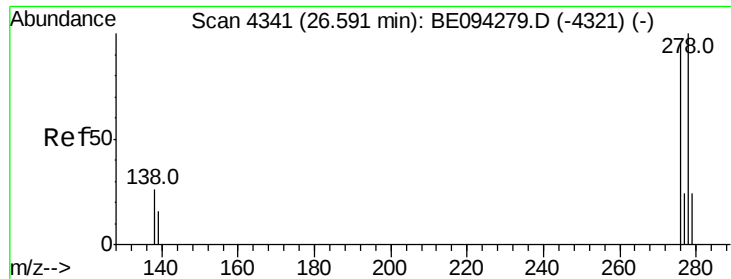


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.218 ng/ul

RT: 26.64 min Scan# 4354

Delta R.T. 0.05 min

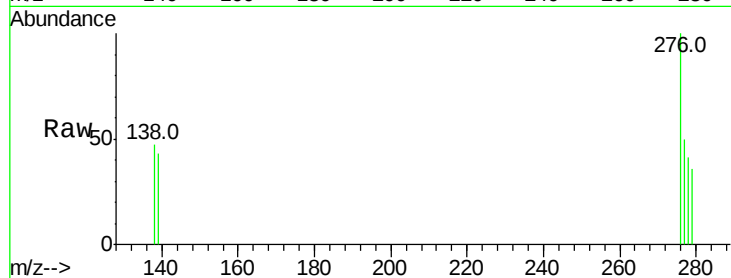
Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Instrument :

BNA_E

ClientSampleId :



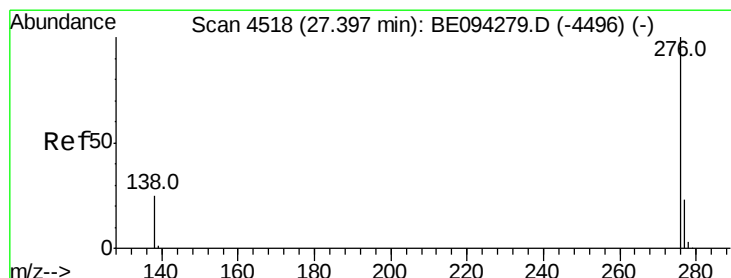
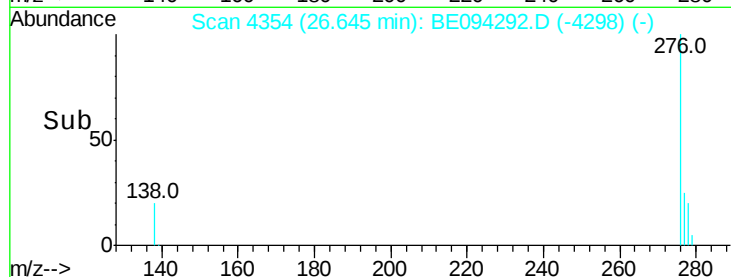
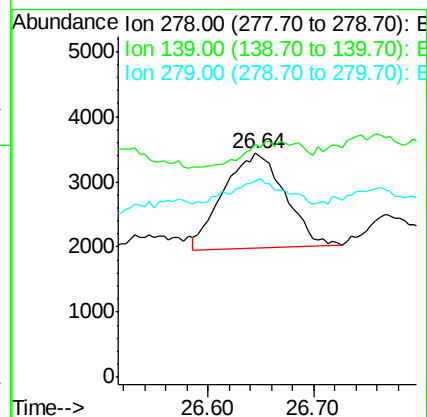
Tot Ion:278 Resp: 5928

Ion Ratio Lower Upper

278 100

139 104.1 17.4 26.0#

279 87.3 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.889 ng/ul

RT: 27.48 min Scan# 4538

Delta R.T. 0.09 min

Lab File: BE094292.D

Acq: 11 Oct 2017 22:56

Tgt Ion:276 Resp: 24799

Ion Ratio Lower Upper

276 100

138 48.6 21.8 32.8#

277 49.2 20.5 30.7#

