

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094348.D
 Acq On : 14 Oct 2017 6:26
 Operator : SJ/JU
 Sample : I5649-06DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 22:13:36 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 05:22:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1682	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8617	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4771	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10141	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	10014	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	9571	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	704	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1685	0.05	ng/ul	0.00

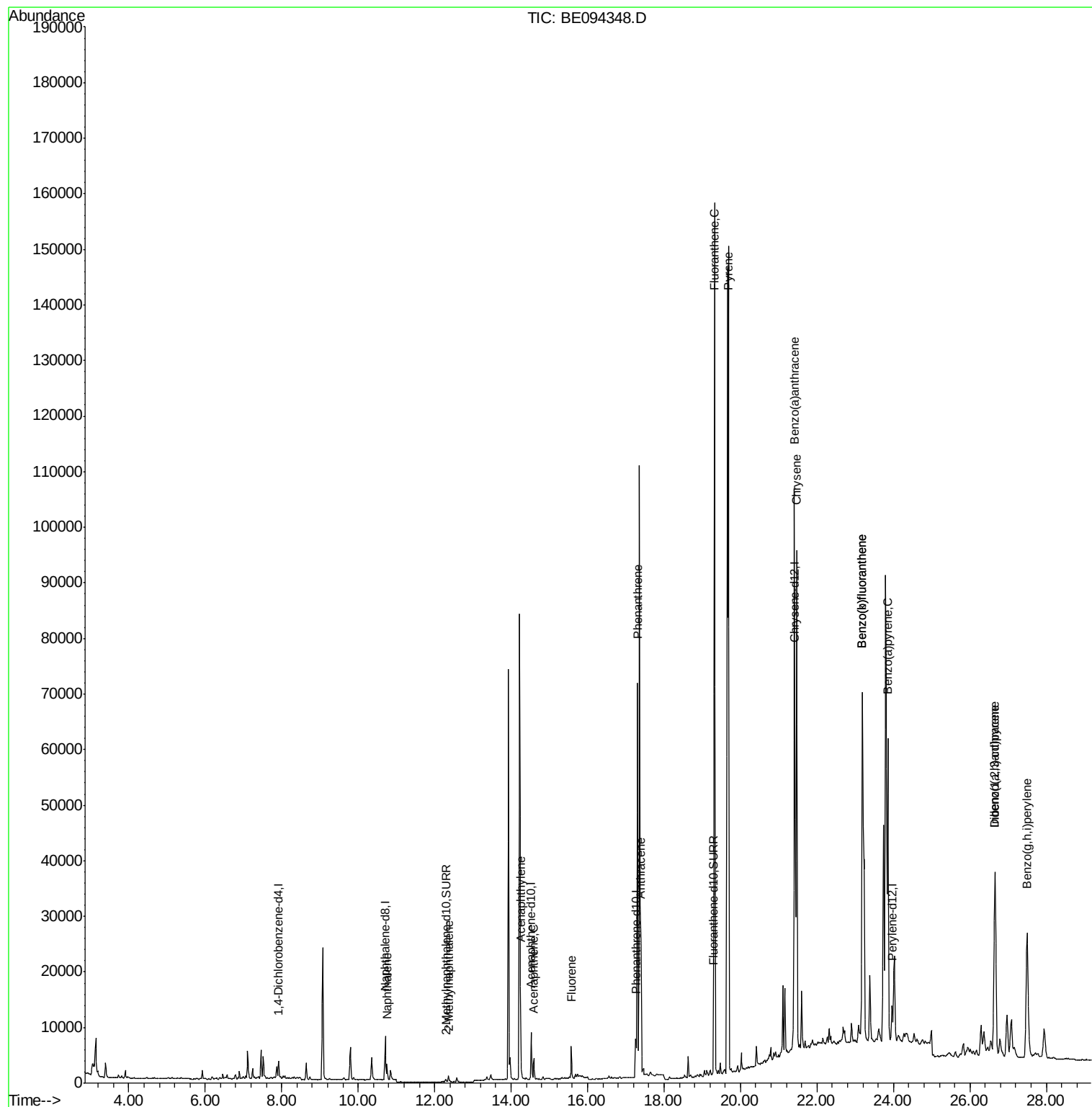
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	4445	0.211	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	1020	0.074	ng/ul	97
7) Acenaphthylene	14.25	152	3107	0.167	ng/ul	97
8) Acenaphthene	14.59	153	2346	0.153	ng/ul	98
9) Fluorene	15.57	166	3800	0.212	ng/ul	92
12) Phenanthrene	17.31	178	95994	3.622	ng/ul#	93
13) Anthracene	17.40	178	26945	1.045	ng/ul#	92
15) Fluoranthene	19.32	202	176550	5.070	ng/ul	84
17) Pyrene	19.68	202	161292	5.789	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	92194	3.470	ng/ul#	87
19) Chrysene	21.47	228	92226	3.006	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	157055	6.041	ng/ul	90
22) Benzo(k)fluoranthene	23.19	252	157055	5.226	ng/ul	92
23) Benzo(a)pyrene	23.85	252	88530	3.277	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.66	276	62212	2.251	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	16068	0.693	ng/ul#	78
26) Benzo(a,h,i)perylene	27.50	276	57409	2.408	ng/ul	96

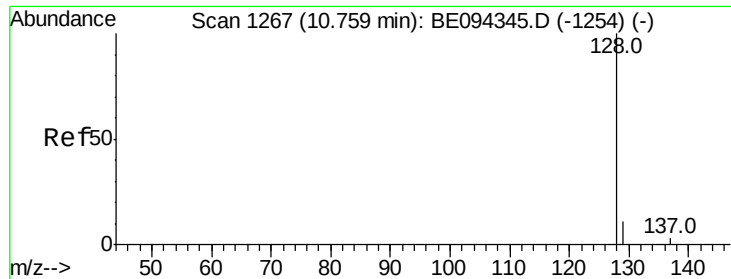
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.211 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :

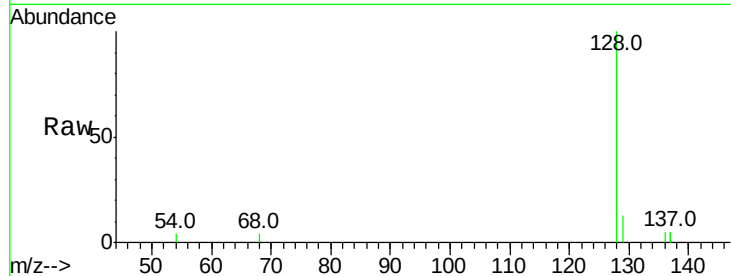
Tot Ion:128 Resp: 4445

Ion Ratio Lower Upper

128 100

129 13.3 11.3 16.9

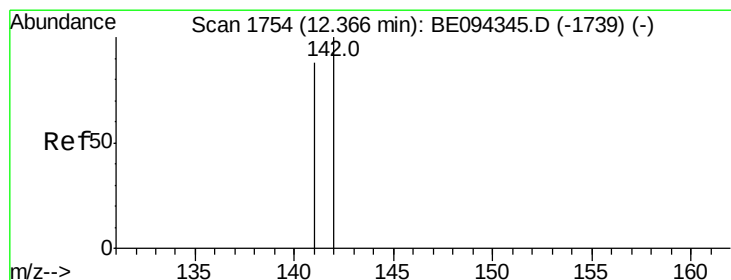
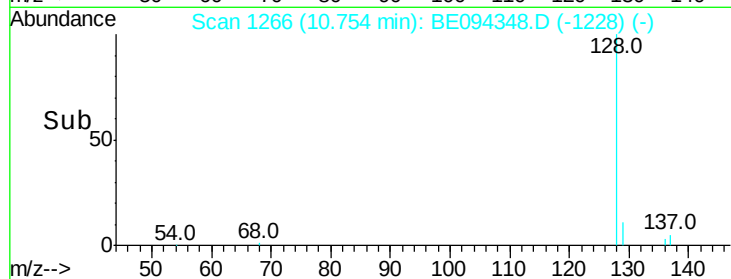
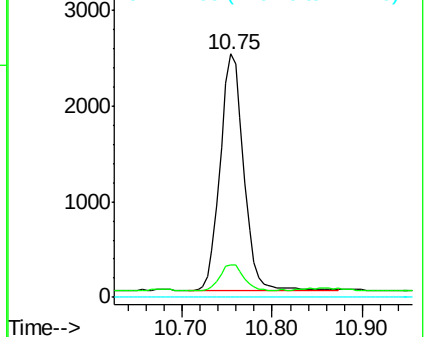
127 0.0 4.0 6.0#



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: 0.074 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BE094348.D

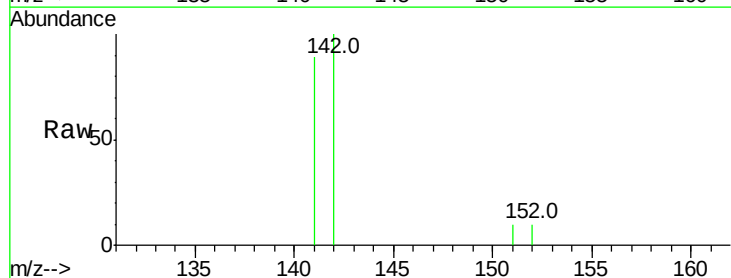
Acq: 14 Oct 2017 6:26

Tgt Ion:142 Resp: 1020

Ion Ratio Lower Upper

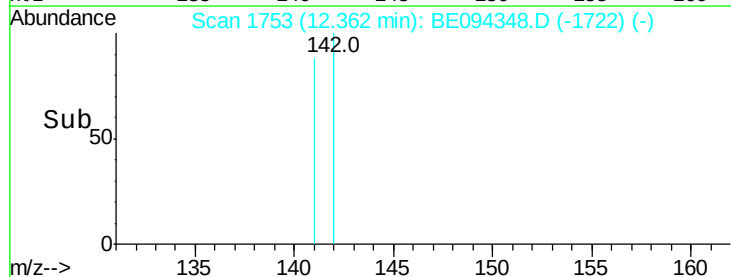
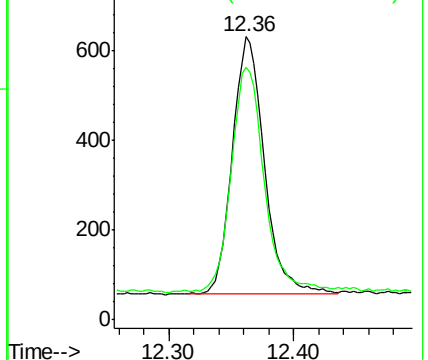
142 100

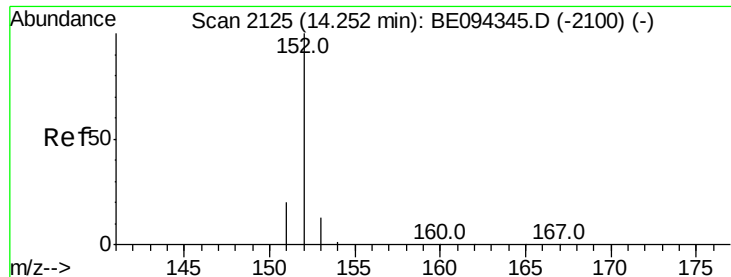
141 88.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.167 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :

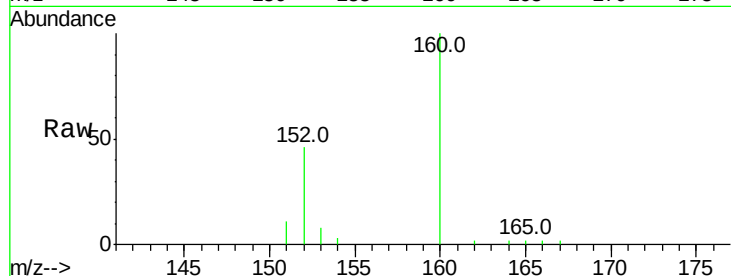
Tot Ion:152 Resp: 3107

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

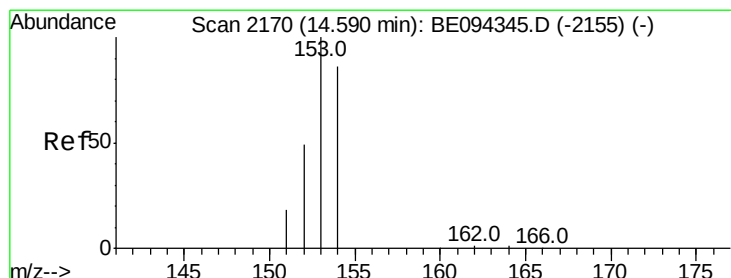
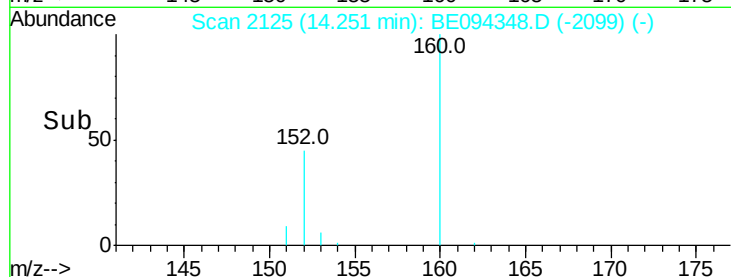
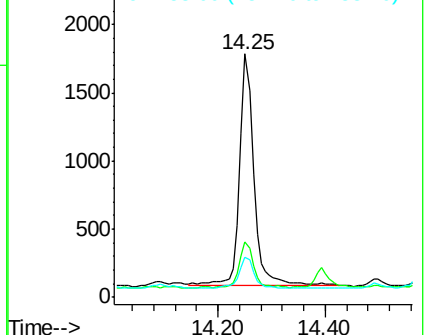
153 16.6 12.8 19.2



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: 0.153 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

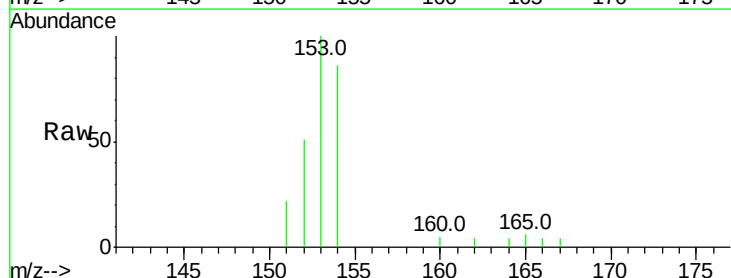
Tgt Ion:153 Resp: 2346

Ion Ratio Lower Upper

153 100

152 50.9 40.3 60.5

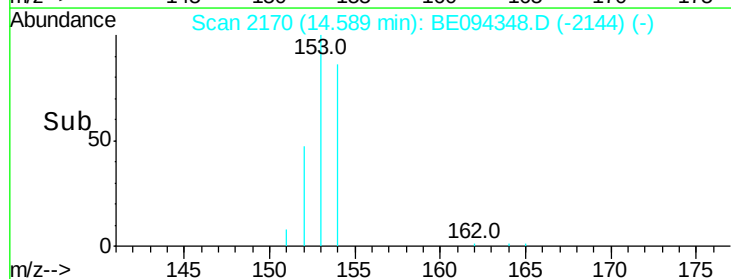
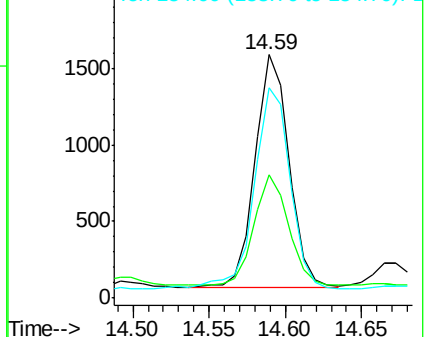
154 86.5 71.4 107.2

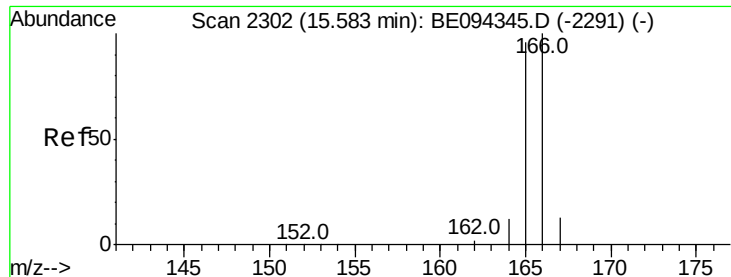


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

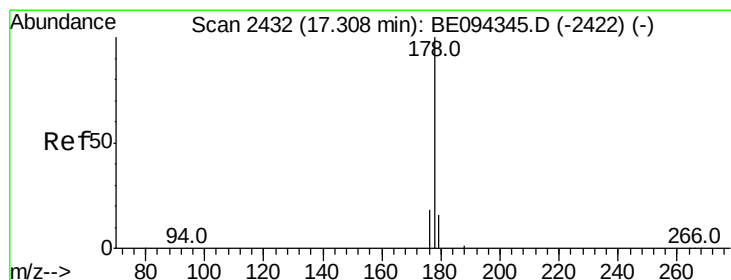
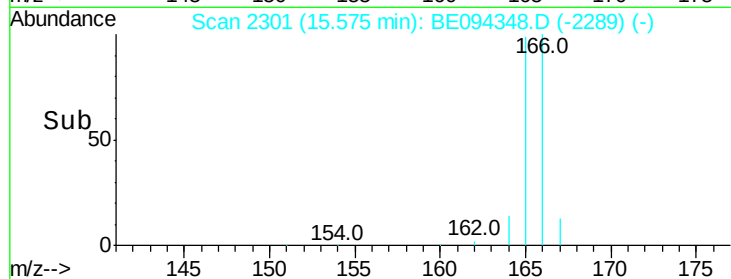
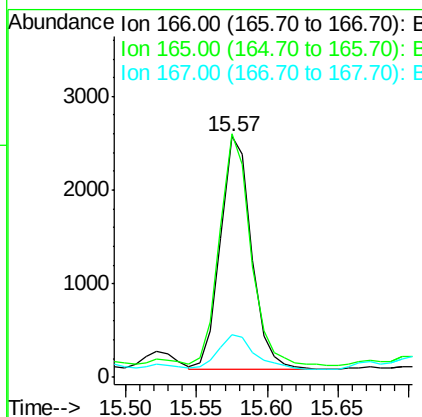
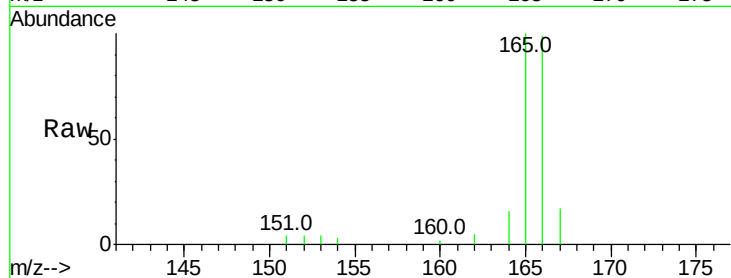




#9
Fluorene
 Concen: 0.212 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BE094348.D
 Acq: 14 Oct 2017 6:26

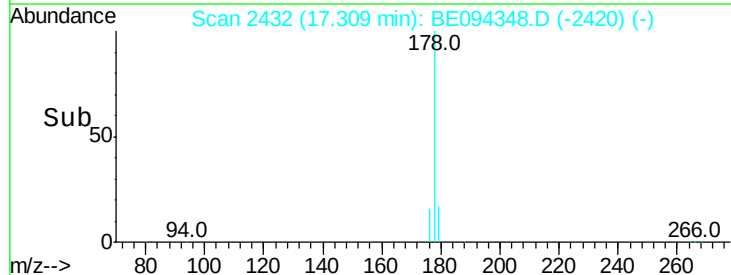
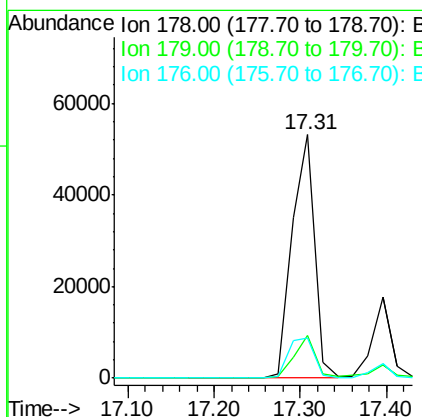
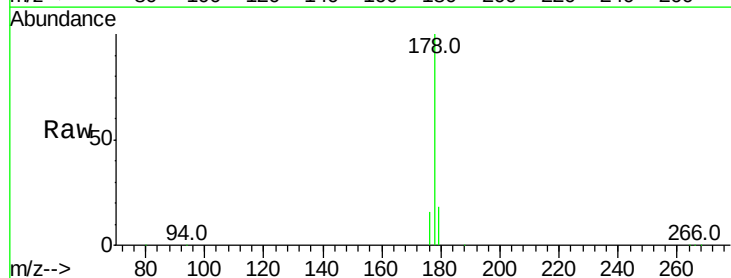
Instrument :
 BNA_E
 ClientSampleId :

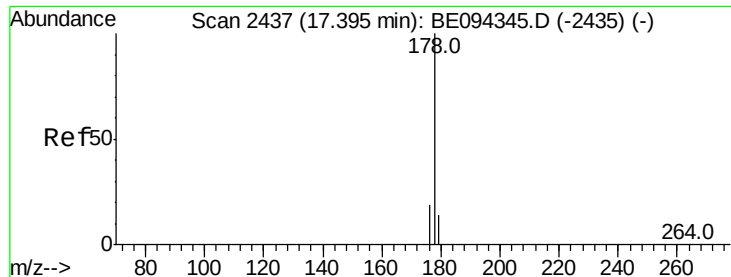
Tot Ion:166 Resp: 3800
 Ion Ratio Lower Upper
 166 100
 165 101.2 73.4 110.2
 167 17.6 14.6 22.0



#12
Phenanthrene
 Concen: 3.622 ng/ul
 RT: 17.31 min Scan# 2432
 Delta R.T. 0.00 min
 Lab File: BE094348.D
 Acq: 14 Oct 2017 6:26

Tgt Ion:178 Resp: 95994
 Ion Ratio Lower Upper
 178 100
 179 17.7 18.4 27.6#
 176 16.4 13.6 20.4





#13

Anthracene

Concen: 1.045 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :

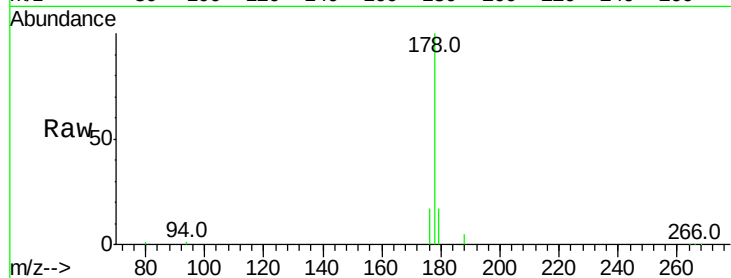
Tot Ion:178 Resp: 26945

Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

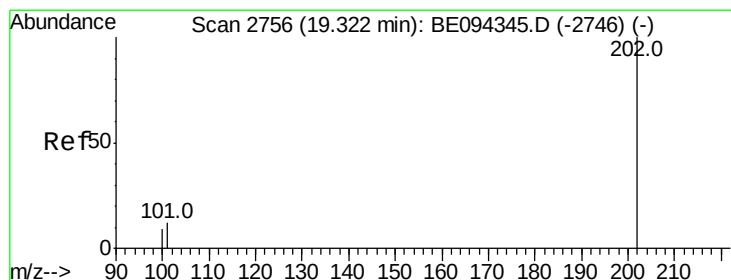
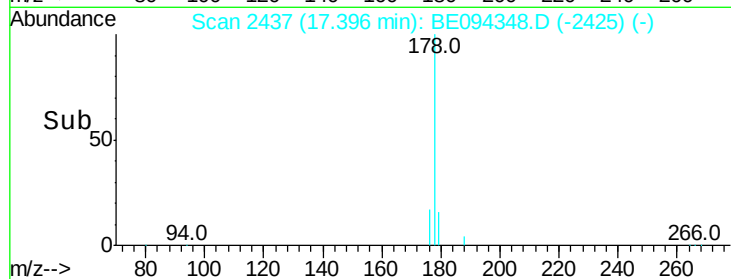
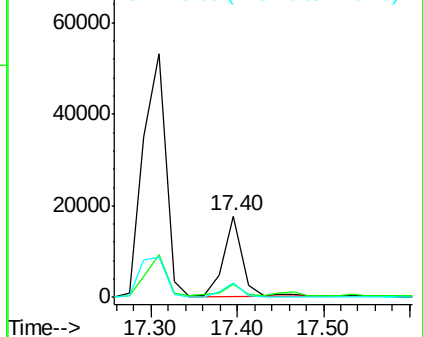
176 17.4 14.7 22.1



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: 5.070 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

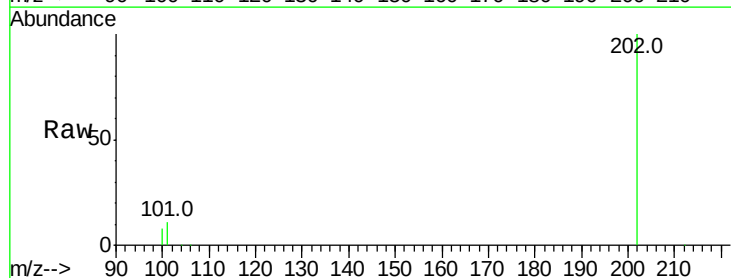
Tgt Ion:202 Resp: 176550

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

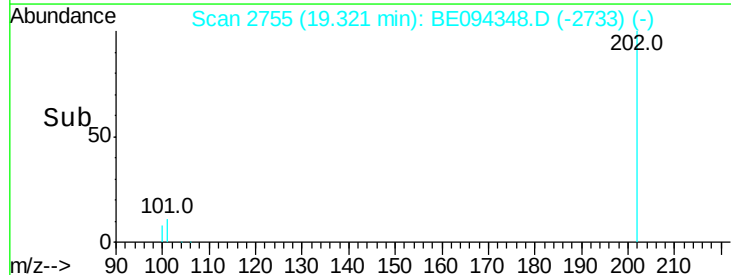
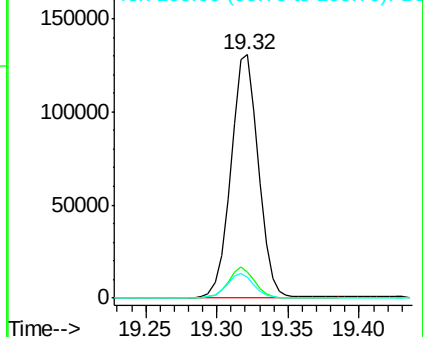
100 8.4 0.0 39.5

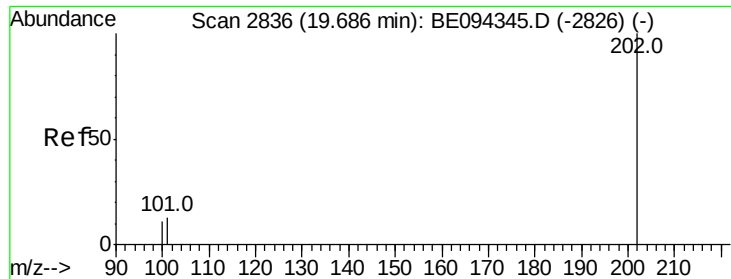


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

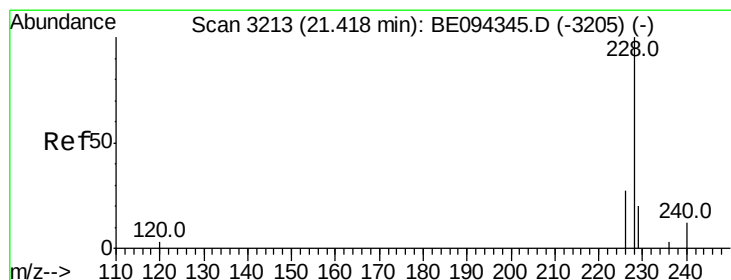
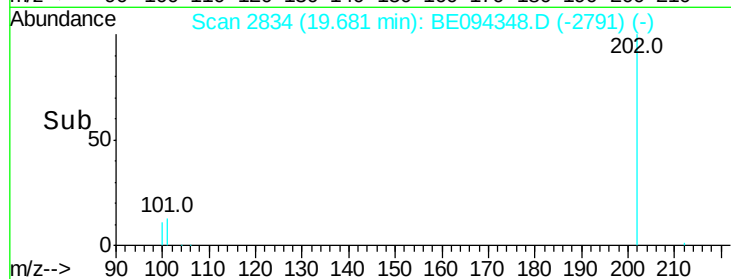
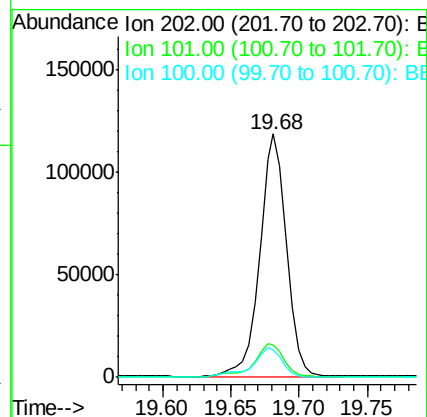
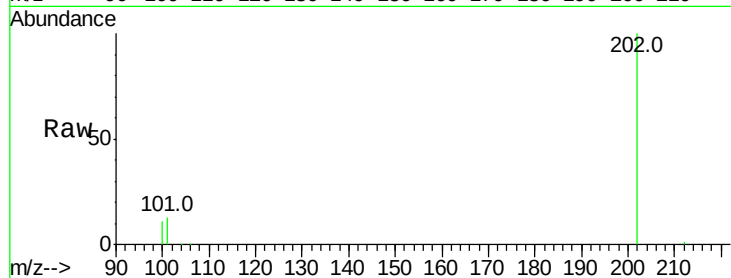




#17
Pvrene
Concen: 5.789 ng/ul
RT: 19.68 min Scan# 2834
Delta R.T. -0.00 min
Lab File: BE094348.D
Acq: 14 Oct 2017 6:26

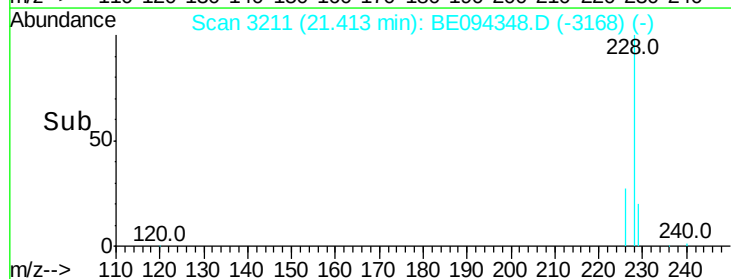
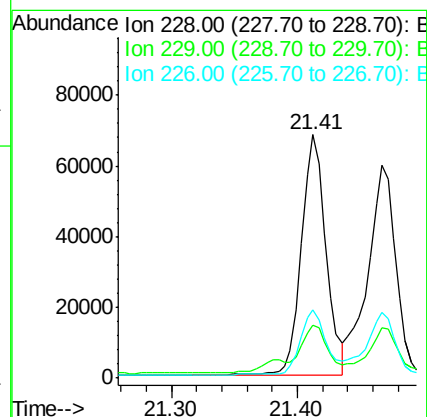
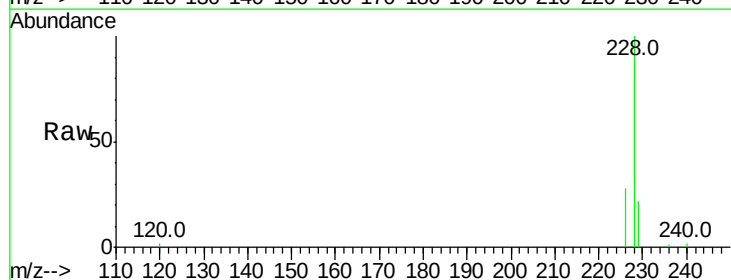
Instrument :
BNA_E
ClientSampleId :

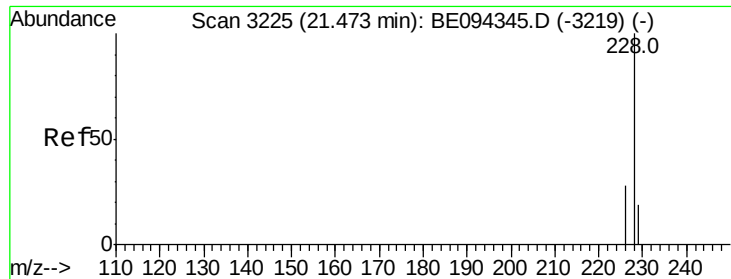
Tot Ion:202 Resp: 161292
Ion Ratio Lower Upper
202 100
101 13.4 18.2 27.4#
100 11.5 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 3.470 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BE094348.D
Acq: 14 Oct 2017 6:26

Tgt Ion:228 Resp: 92194
Ion Ratio Lower Upper
228 100
229 22.0 22.8 34.2#
226 28.0 17.0 25.6#





#19

Chrysene

Concen: 3.006 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :

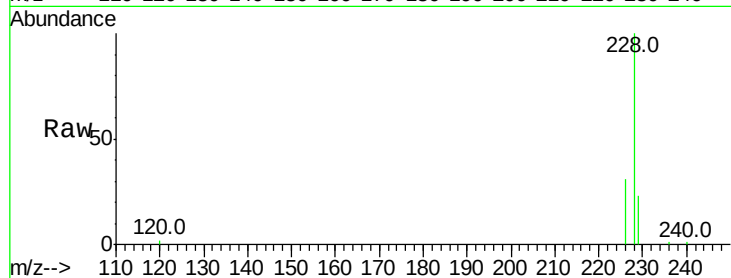
Tot Ion:228 Resp: 92226

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

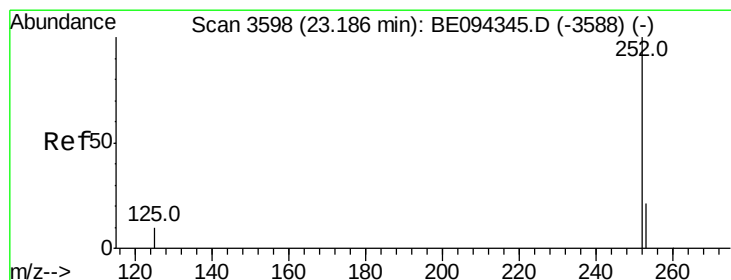
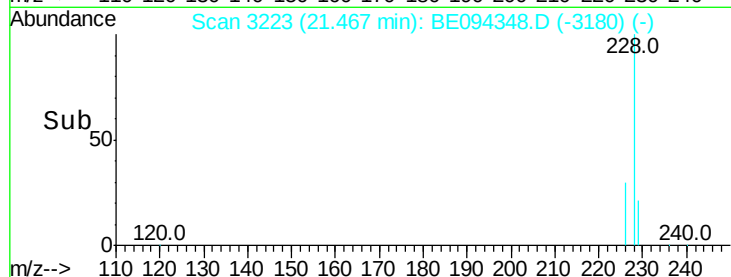
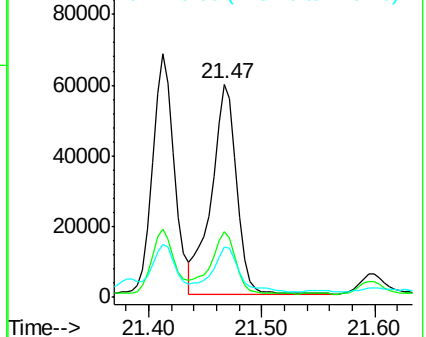
229 23.4 17.7 26.5



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: 6.041 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

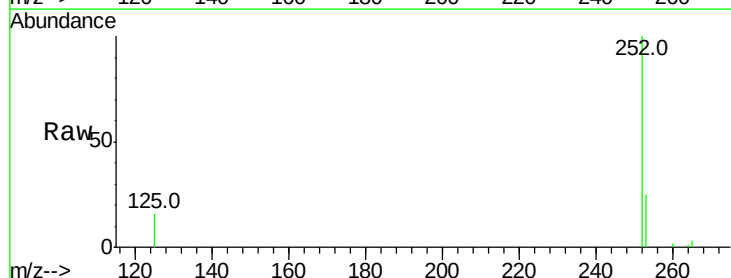
Tgt Ion:252 Resp: 157055

Ion Ratio Lower Upper

252 100

253 24.8 0.0 64.2

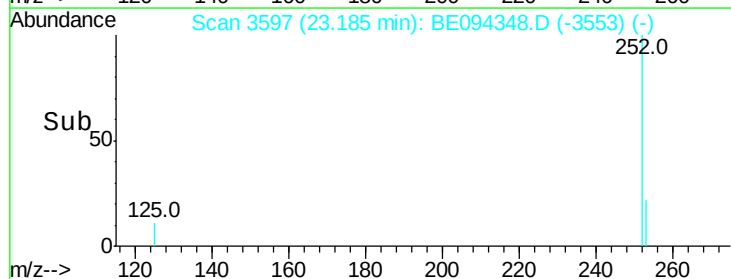
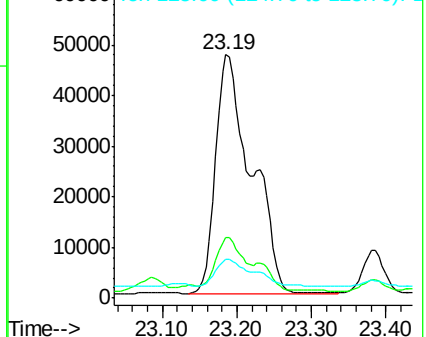
125 15.8 0.0 35.0

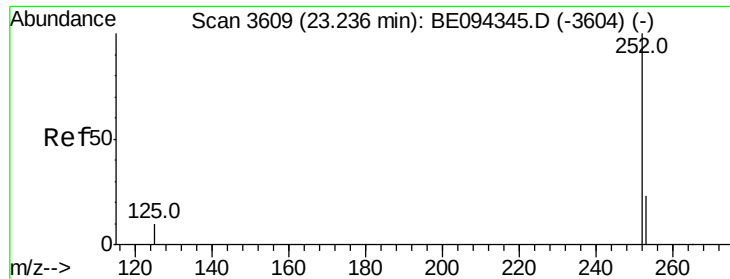


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.226 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :

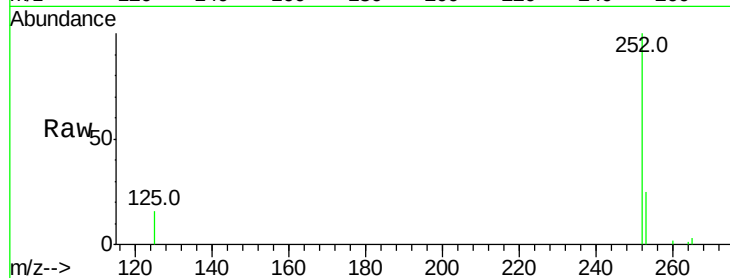
Tot Ion:252 Resp: 157055

Ion Ratio Lower Upper

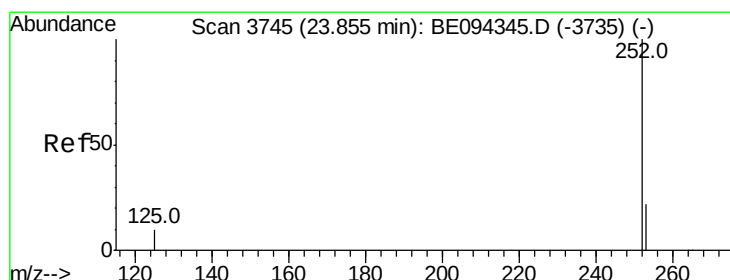
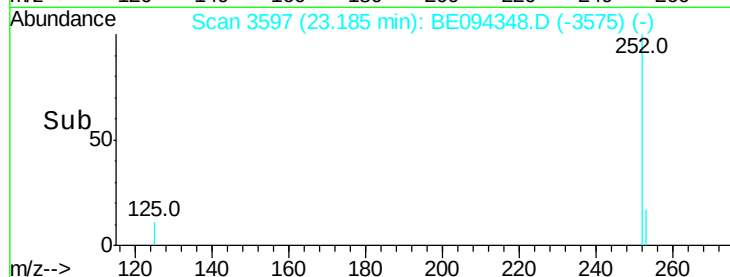
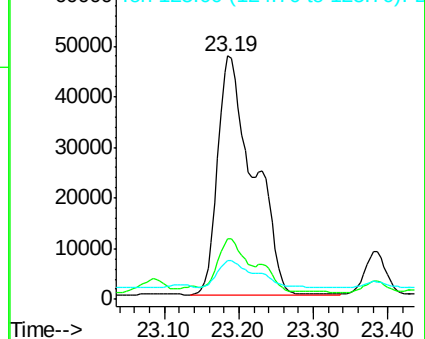
252 100

253 24.8 24.5 36.7

125 15.8 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: 3.277 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

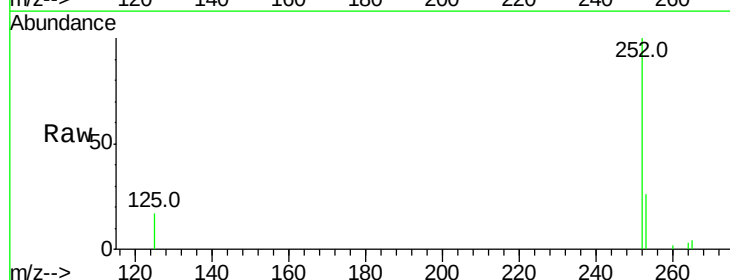
Tgt Ion:252 Resp: 88530

Ion Ratio Lower Upper

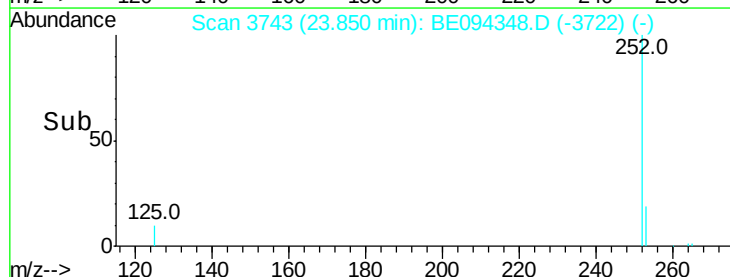
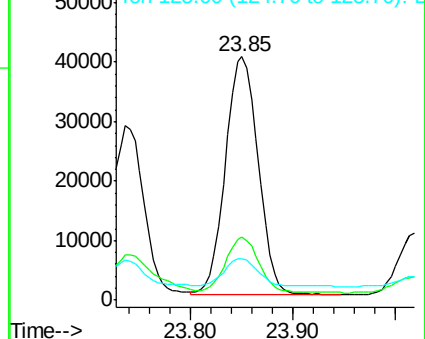
252 100

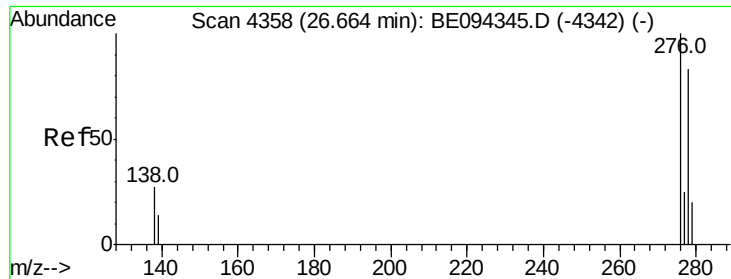
253 25.7 28.5 42.7#

125 17.1 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



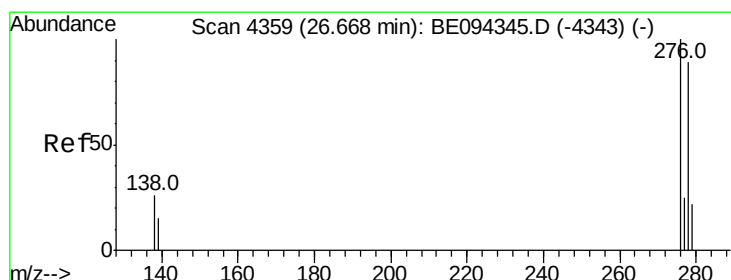
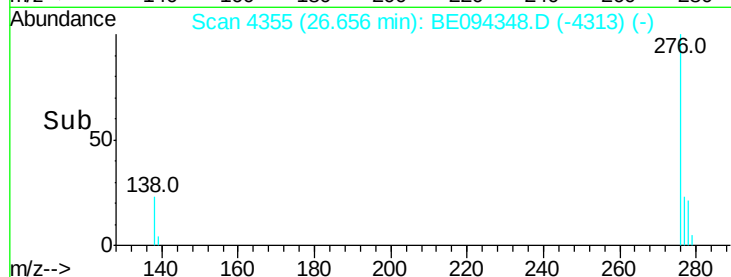
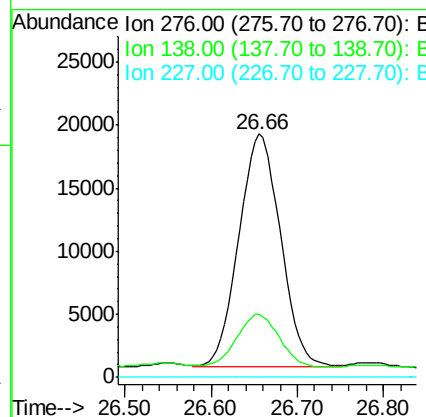
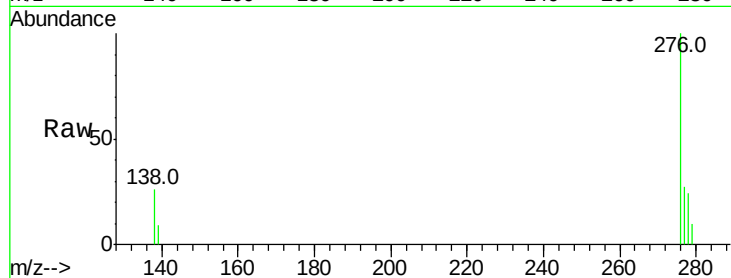


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.251 ng/ul
RT: 26.66 min Scan# 4355
Delta R.T. -0.01 min
Lab File: BE094348.D
Acq: 14 Oct 2017 6:26

Instrument :
BNA_E
ClientSampleId :

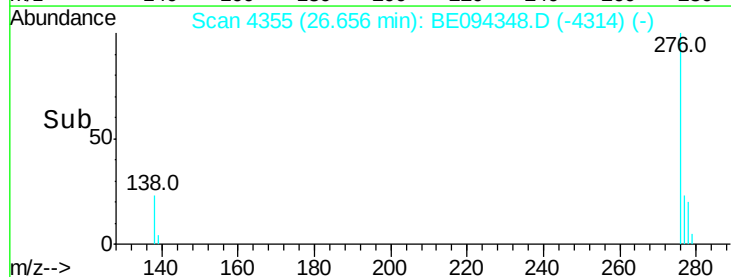
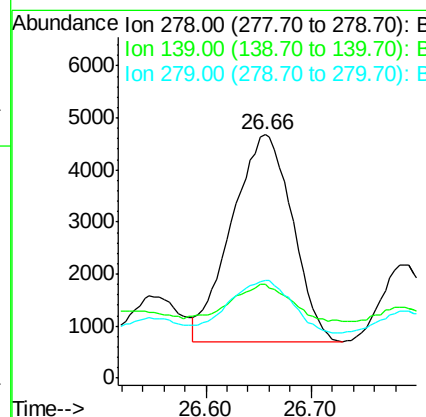
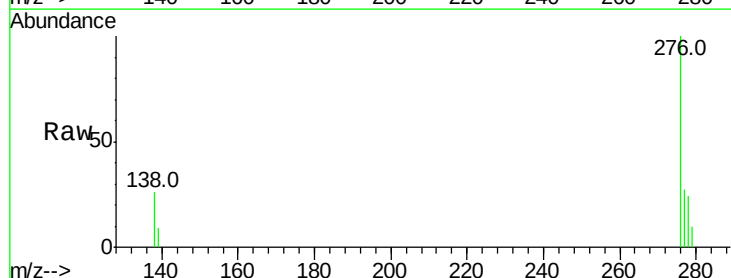
Tot Ion:276 Resp: 62212
Ion Ratio Lower Upper
276 100
138 22.9 28.0 42.0#
227 0.0 8.0 12.0#

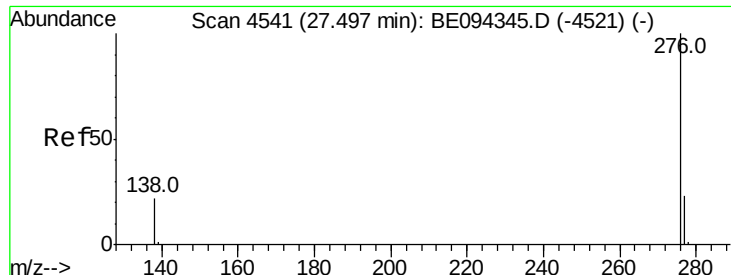


#25

Dibenzo(a,h)anthracene
Concen: 0.693 ng/ul
RT: 26.66 min Scan# 4355
Delta R.T. -0.01 min
Lab File: BE094348.D
Acq: 14 Oct 2017 6:26

Tgt Ion:278 Resp: 16068
Ion Ratio Lower Upper
278 100
139 38.4 17.4 26.0#
279 40.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 2.408 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. 0.00 min

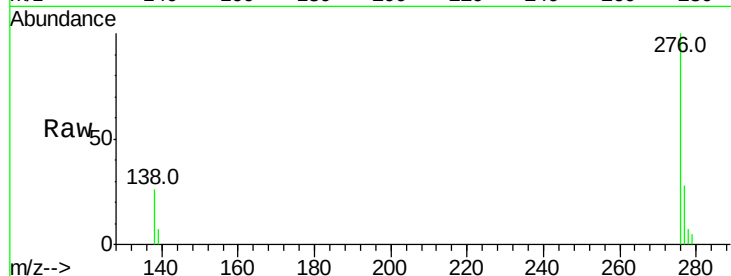
Lab File: BE094348.D

Acq: 14 Oct 2017 6:26

Instrument :

BNA_E

ClientSampleId :



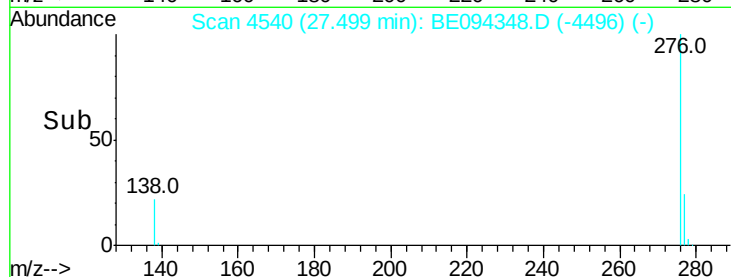
Tot Ion: 276 Resp: 57409

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.8

277 28.3 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

