

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094350.D
 Acq On : 14 Oct 2017 7:38
 Operator : SJ/JU
 Sample : I5649-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 22:13:59 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	7.91	152	1947	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10090	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5568	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12512	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	11743	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	12028	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	482	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1227	0.03	ng/ul	0.00

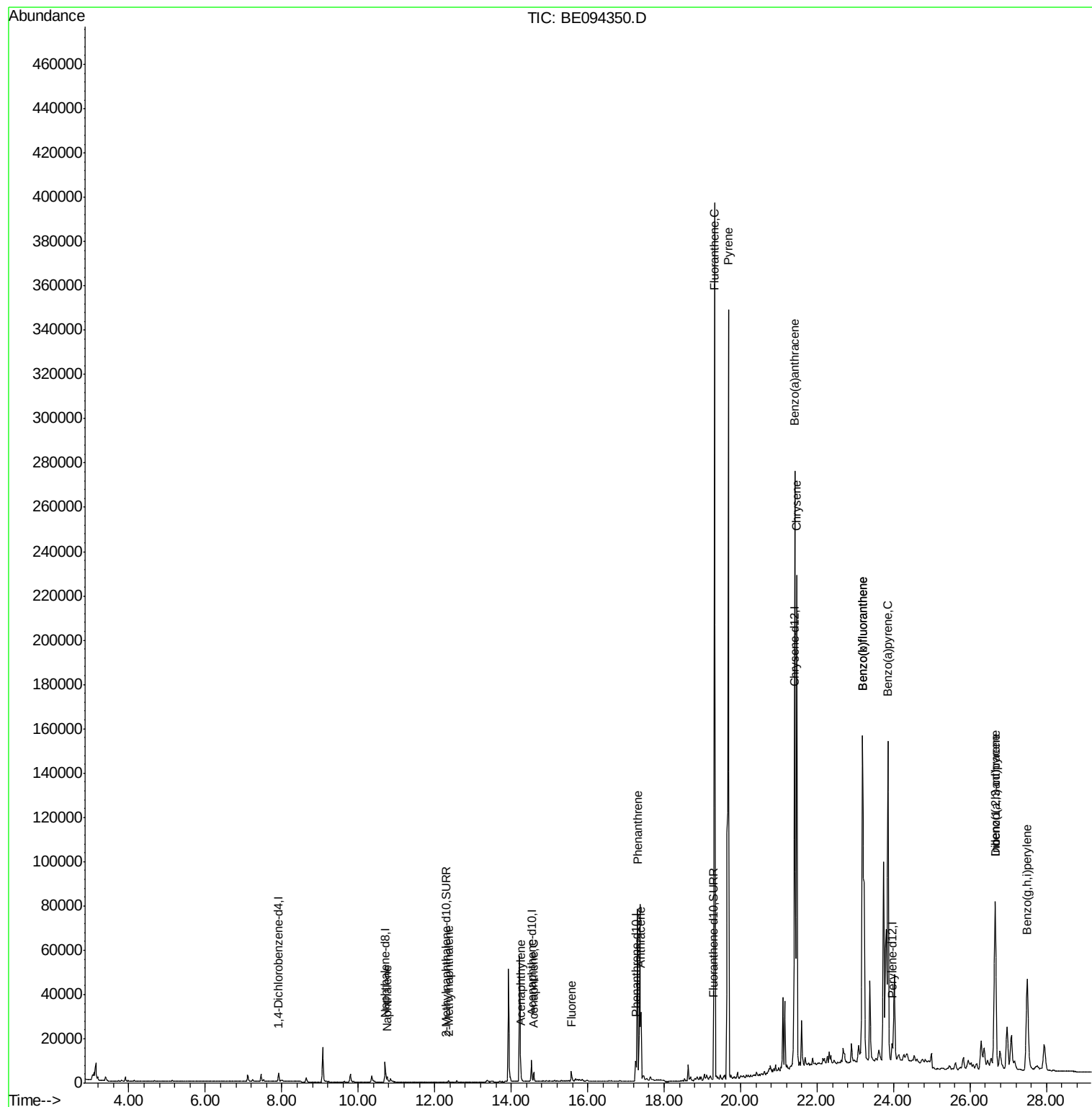
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	3835	0.155	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	985	0.061	ng/ul	96
7) Acenaphthylene	14.26	152	3445	0.159	ng/ul	97
8) Acenaphthene	14.59	153	2529	0.142	ng/ul	97
9) Fluorene	15.57	166	3154	0.151	ng/ul	91
12) Phenanthrene	17.31	178	113303	3.465	ng/ul#	92
13) Anthracene	17.39	178	36405	1.145	ng/ul#	92
15) Fluoranthene	19.32	202	418221	9.735	ng/ul	84
17) Pyrene	19.68	202	388223	11.882	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	257632	8.270	ng/ul#	87
19) Chrysene	21.47	228	219605	6.104	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	387771	11.868	ng/ul	88
22) Benzo(k)fluoranthene	23.19	252	387771	10.267	ng/ul#	90
23) Benzo(a)pyrene	23.85	252	224851	6.622	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.66	276	136349	3.926	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	36195	1.242	ng/ul#	89
26) Benzo(a,h,i)perylene	27.50	276	106981	3.571	ng/ul	97

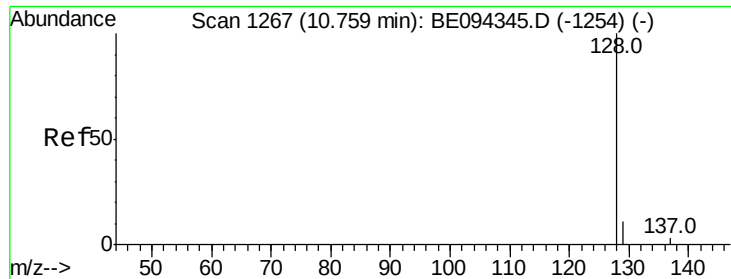
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampleId :

Quant Time: Oct 14 22:13:59 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





#3

Naphthalene

Concen: 0.155 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampleId :

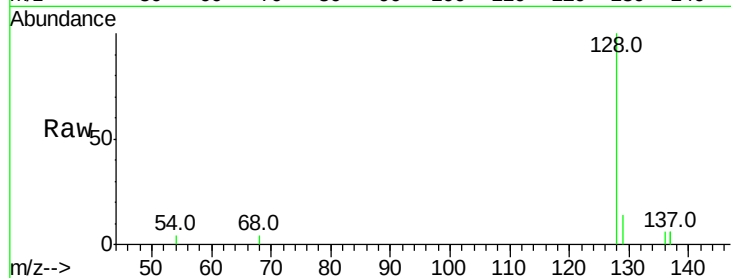
Tot Ion:128 Resp: 3835

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

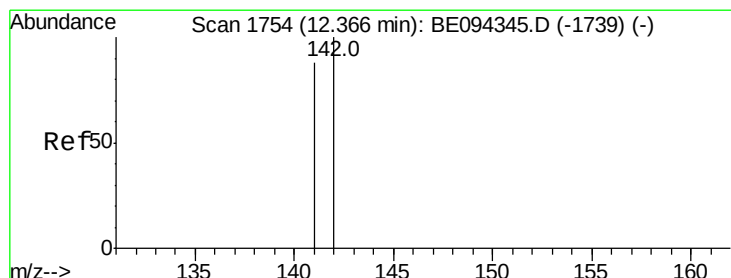
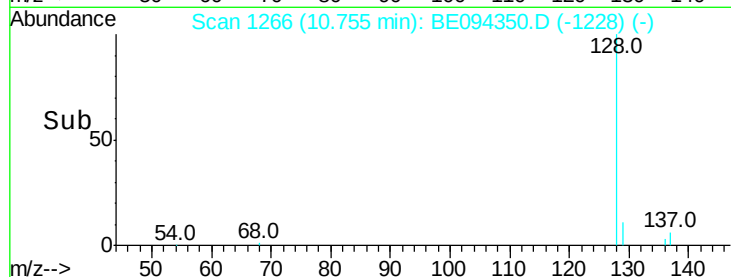
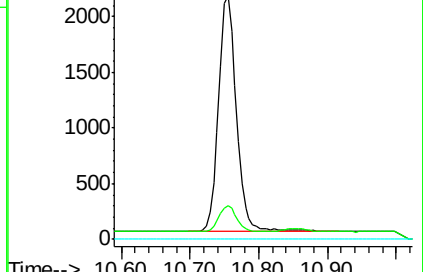
127 0.0 4.0 6.0#



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: 0.061 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BE094350.D

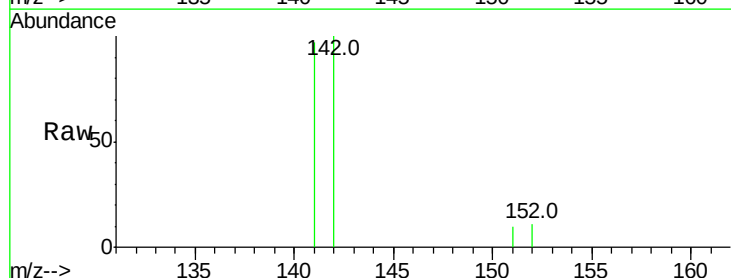
Acq: 14 Oct 2017 7:38

Tgt Ion:142 Resp: 985

Ion Ratio Lower Upper

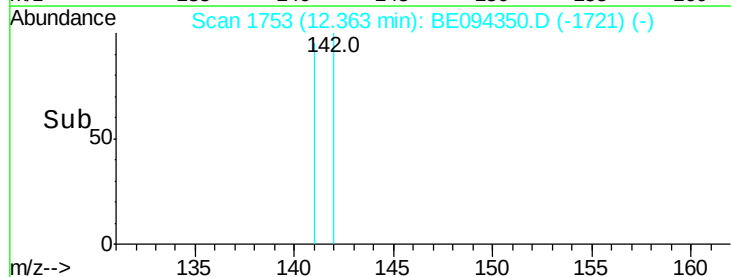
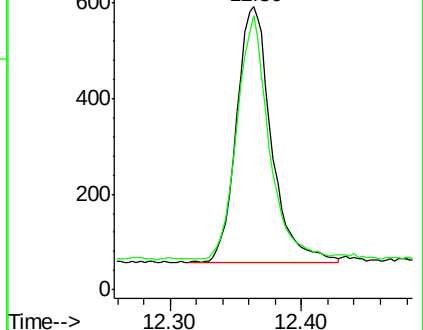
142 100

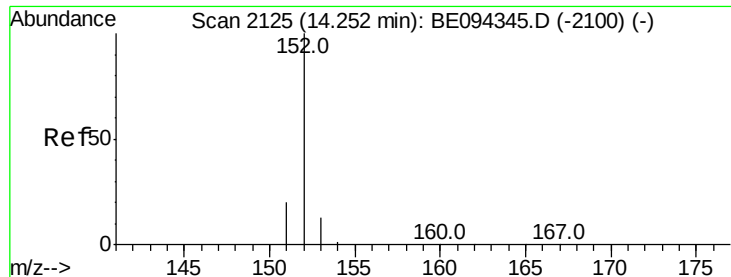
141 87.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.159 ng/ul

RT: 14.26 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampleId :

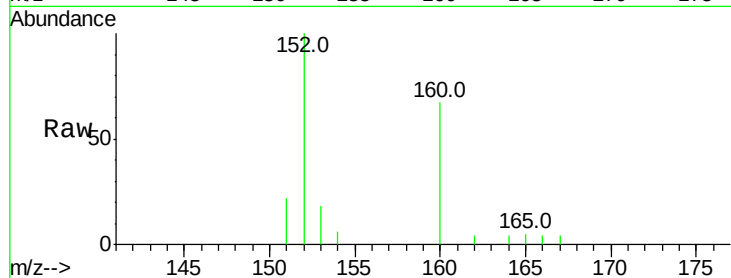
Tot Ion:152 Resp: 3445

Ion Ratio Lower Upper

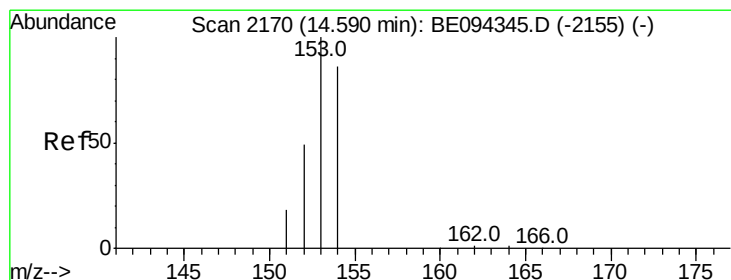
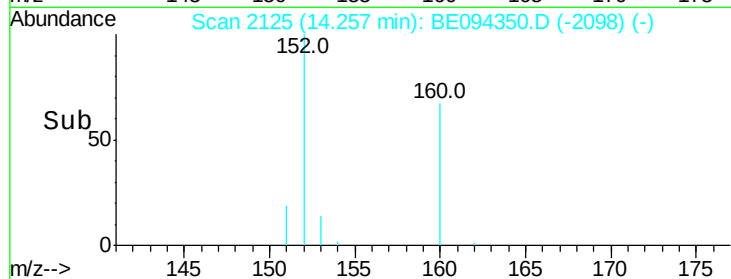
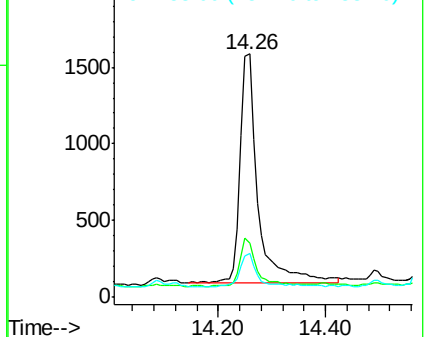
152 100

151 22.4 17.1 25.7

153 17.8 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: 0.142 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

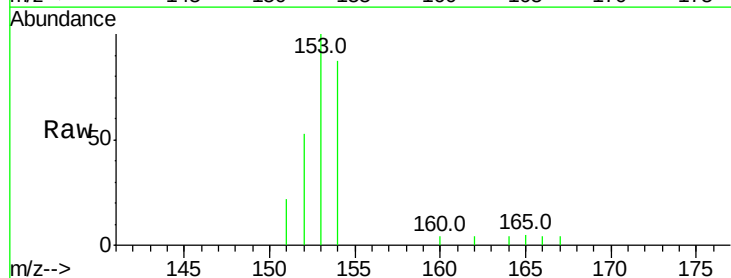
Tgt Ion:153 Resp: 2529

Ion Ratio Lower Upper

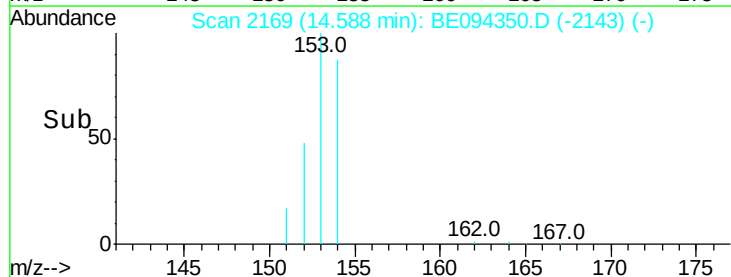
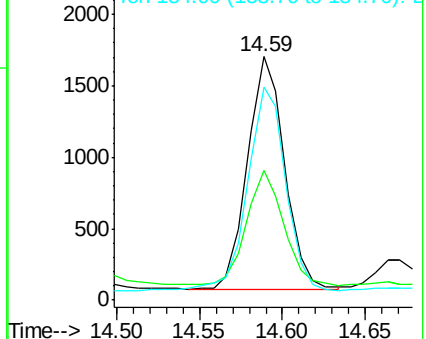
153 100

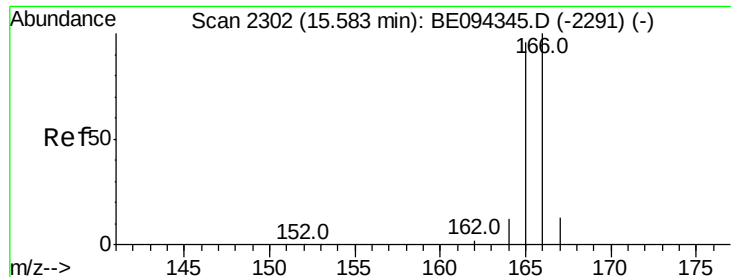
152 53.3 40.3 60.5

154 87.4 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

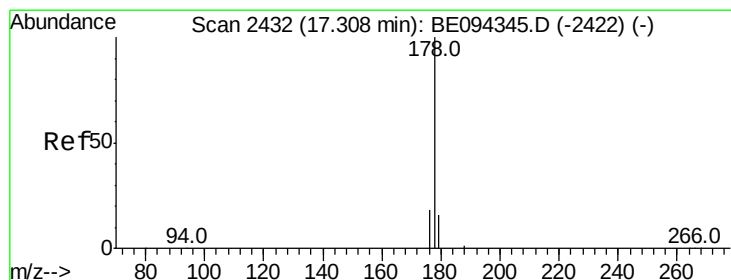
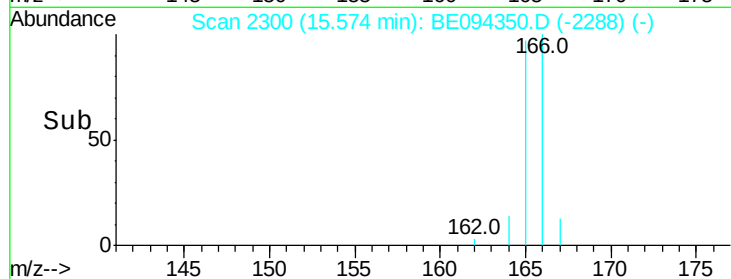
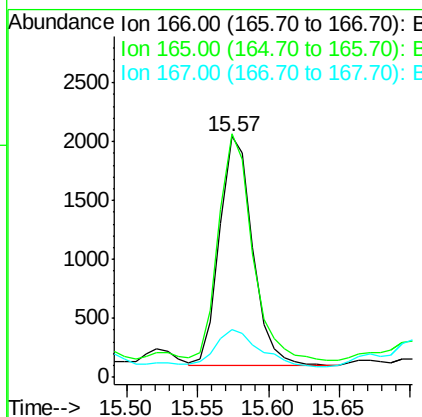
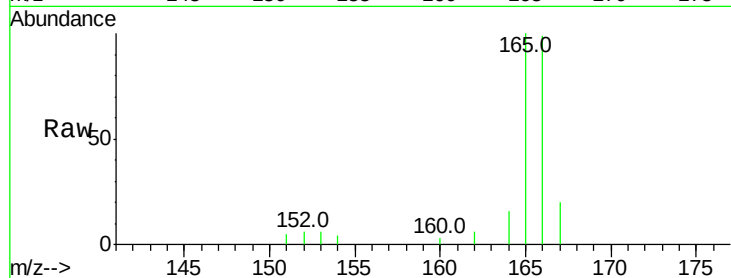




#9
Fluorene
 Concen: 0.151 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

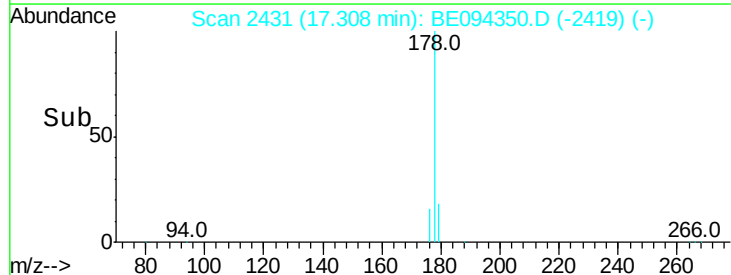
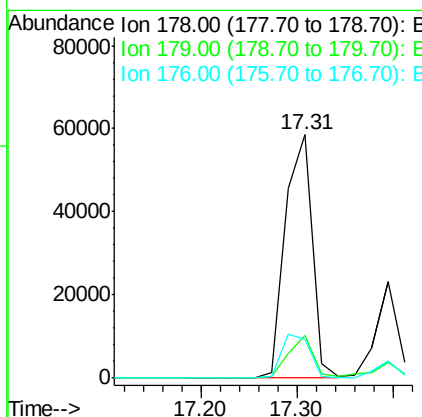
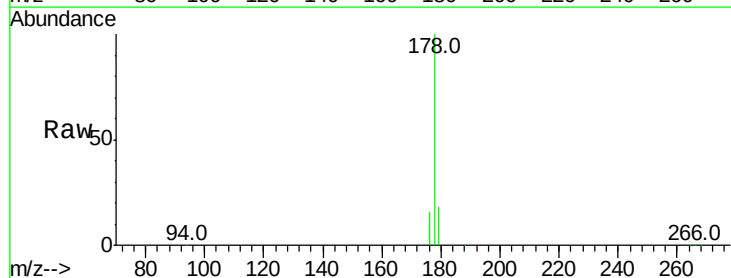
Instrument :
 BNA_E
 ClientSampleId :

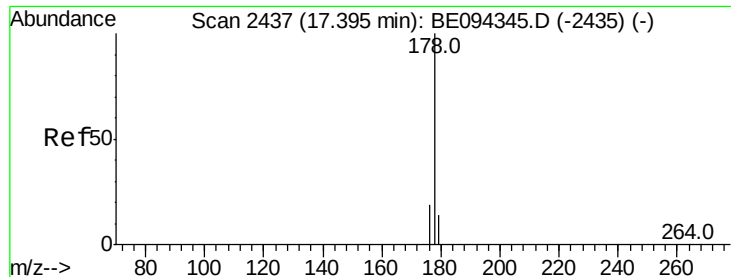
Tot Ion:166 Resp: 3154
 Ion Ratio Lower Upper
 166 100
 165 101.3 73.4 110.2
 167 20.0 14.6 22.0



#12
Phenanthrene
 Concen: 3.465 ng/ul
 RT: 17.31 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Tgt Ion:178 Resp: 113303
 Ion Ratio Lower Upper
 178 100
 179 17.7 18.4 27.6#
 176 15.7 13.6 20.4





#13

Anthracene

Concen: 1.145 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampleId :

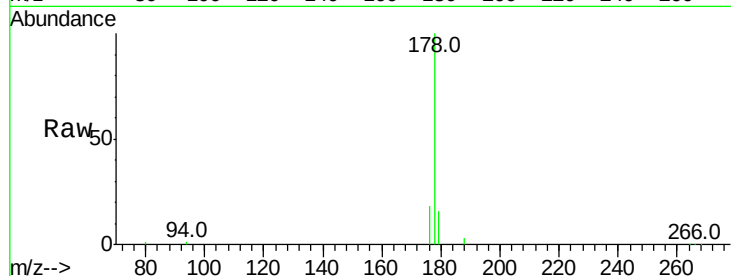
Tot Ion:178 Resp: 36405

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

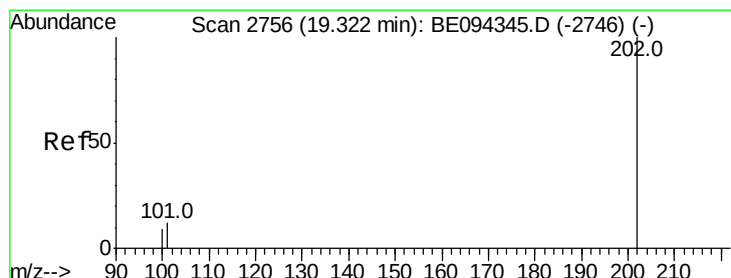
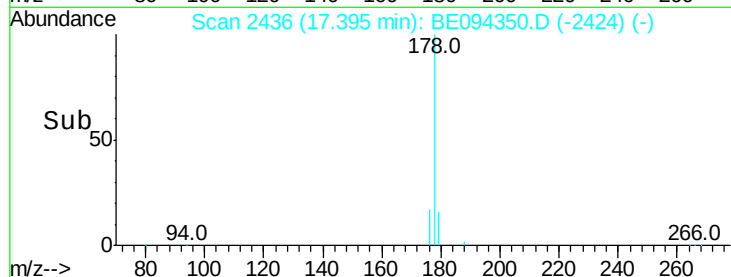
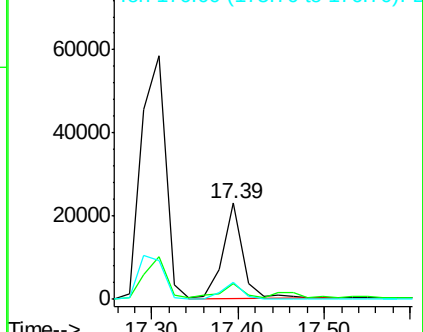
176 17.5 14.7 22.1



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: 9.735 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

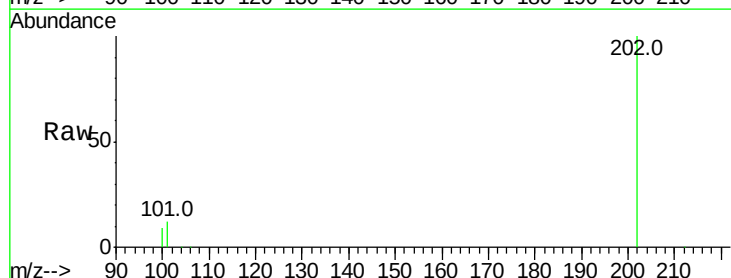
Tgt Ion:202 Resp: 418221

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

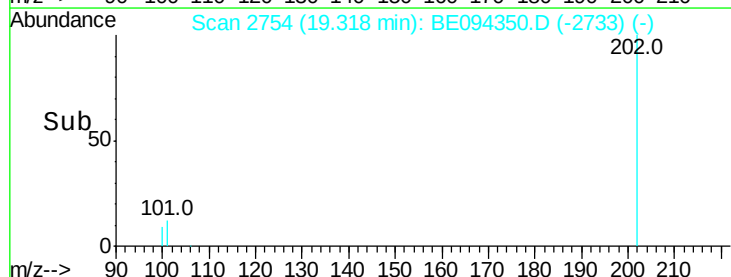
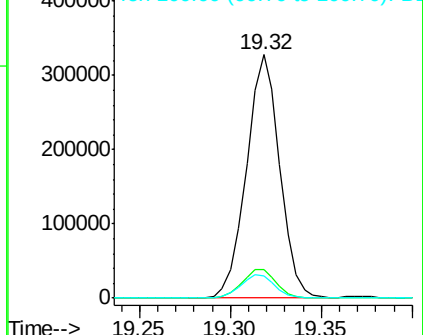
100 9.2 0.0 39.5

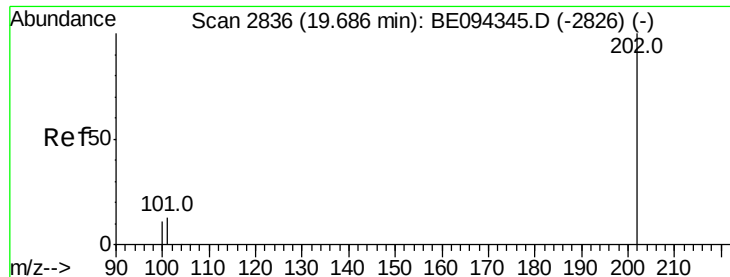


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 11.882 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BE094350.D

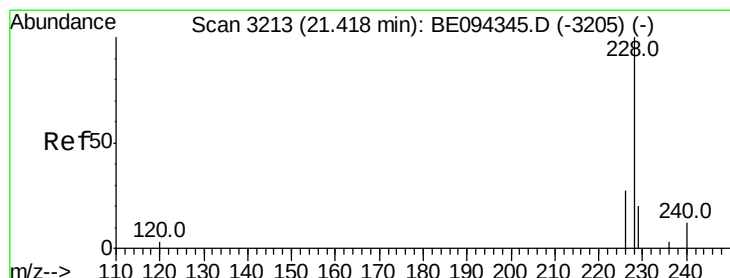
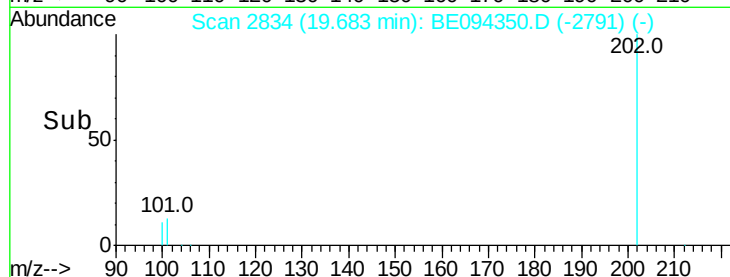
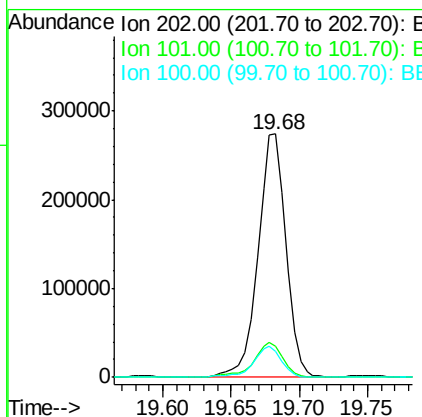
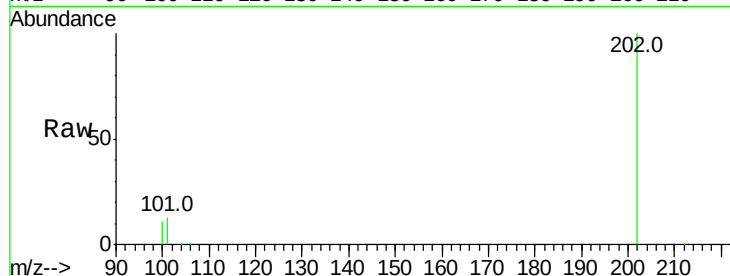
Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	18.2	27.4#
100	10.7	15.6	23.4#



#18

Benzo(a)anthracene

Concen: 8.270 ng/ul

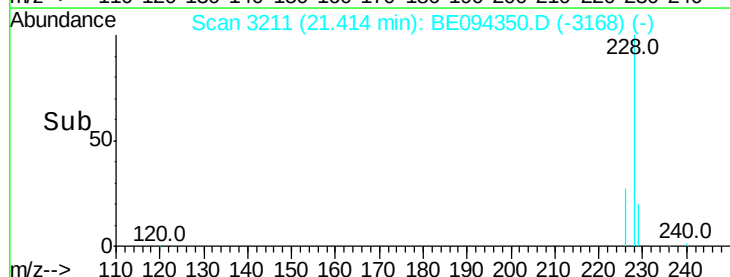
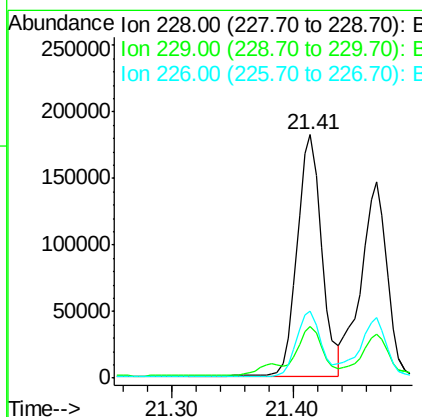
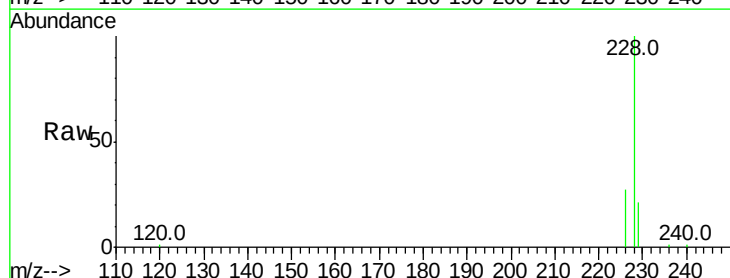
RT: 21.41 min Scan# 3211

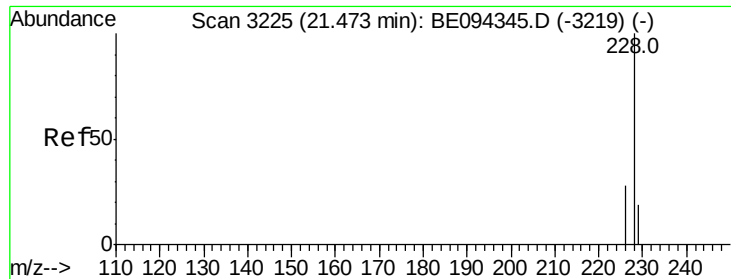
Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	22.8	34.2#
226	27.3	17.0	25.6#





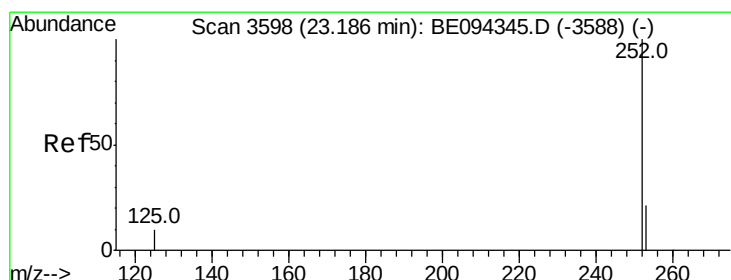
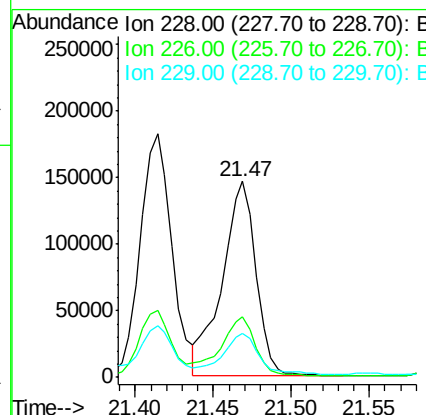
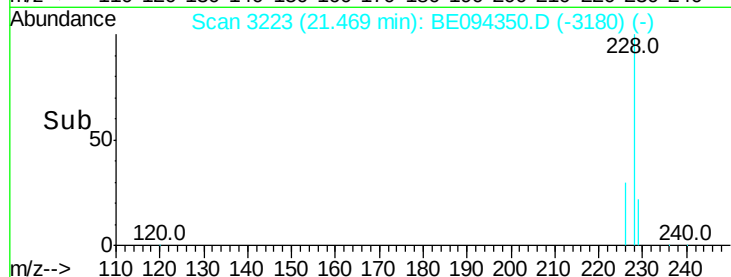
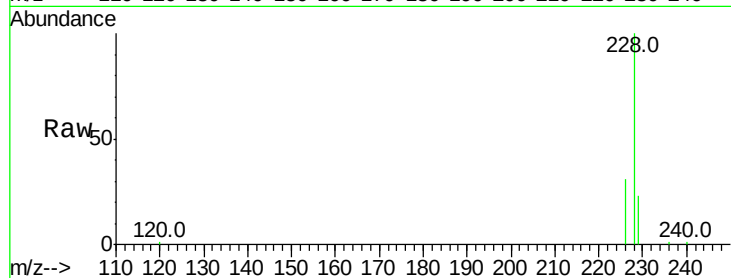
#19

Chrysene

Concen: 6.104 ng/ul
 RT: 21.47 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 219605
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.0
 229 22.6 17.7 26.5

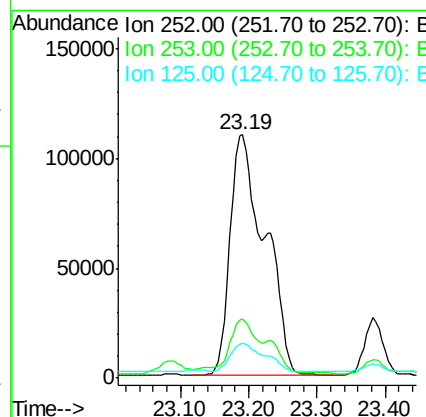
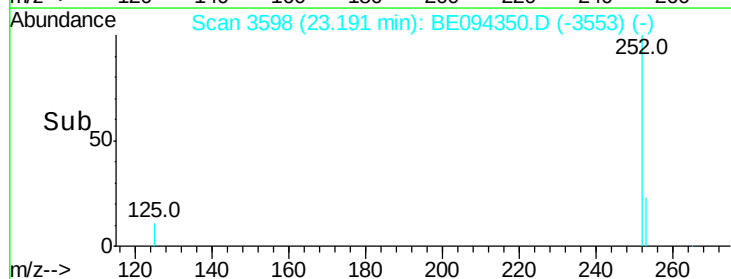
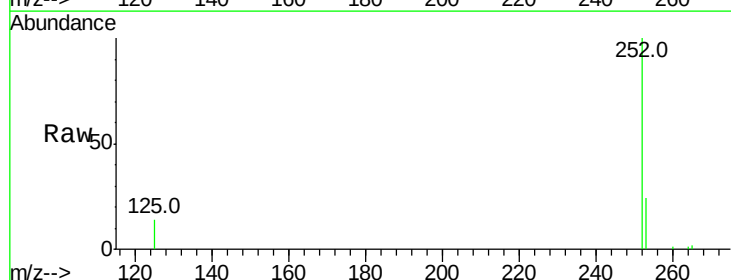


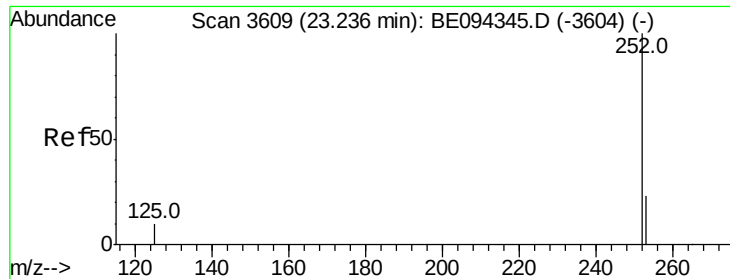
#21

Benzo(b)fluoranthene

Concen: 11.868 ng/ul
 RT: 23.19 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Tgt Ion:252 Resp: 387771
 Ion Ratio Lower Upper
 252 100
 253 24.3 0.0 64.2
 125 14.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 10.267 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampled :

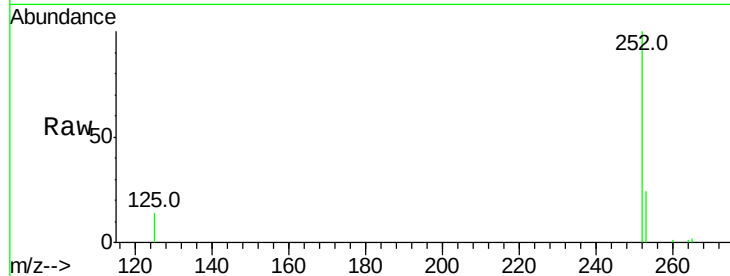
Tot Ion:252 Resp: 387771

Ion Ratio Lower Upper

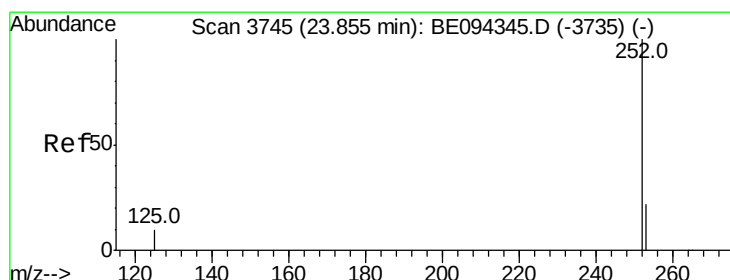
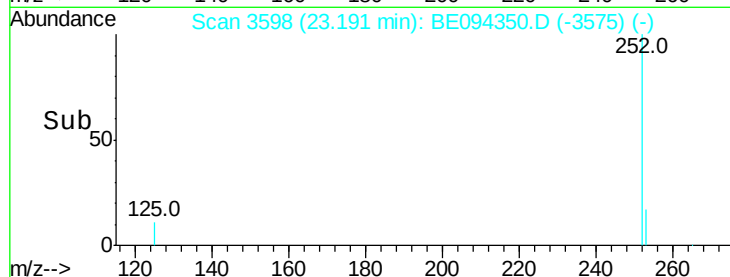
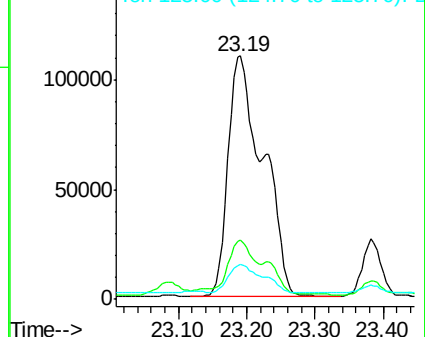
252 100

253 24.3 24.5 36.7#

125 14.1 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: 6.622 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

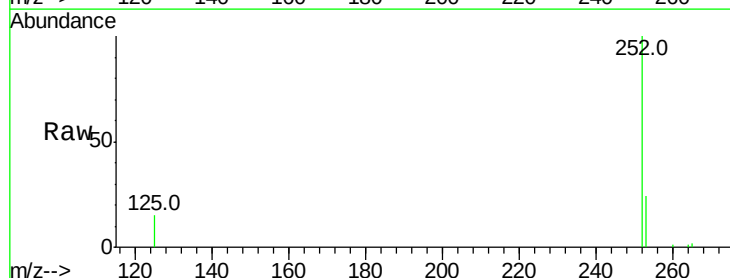
Tgt Ion:252 Resp: 224851

Ion Ratio Lower Upper

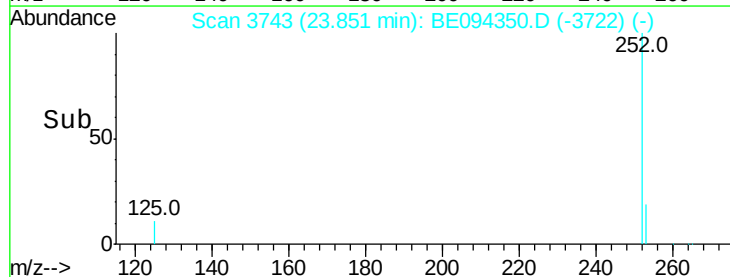
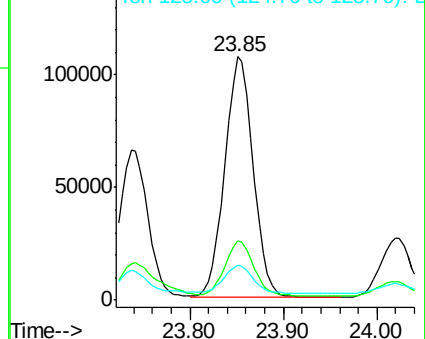
252 100

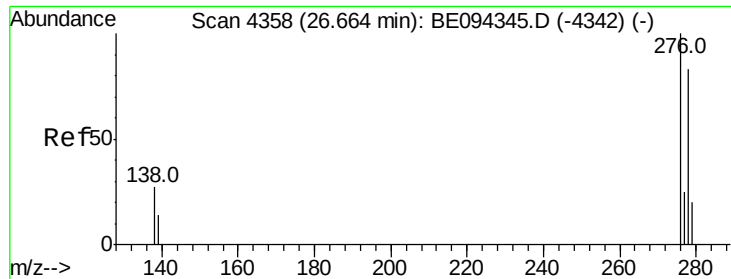
253 24.1 28.5 42.7#

125 14.6 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



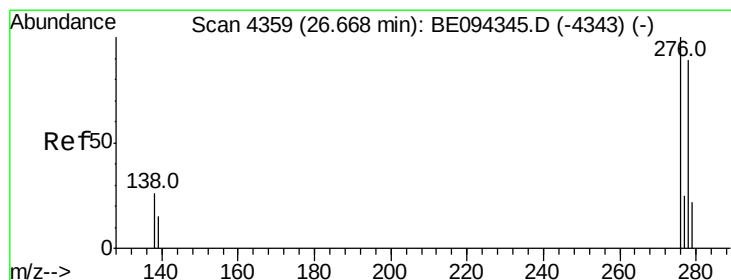
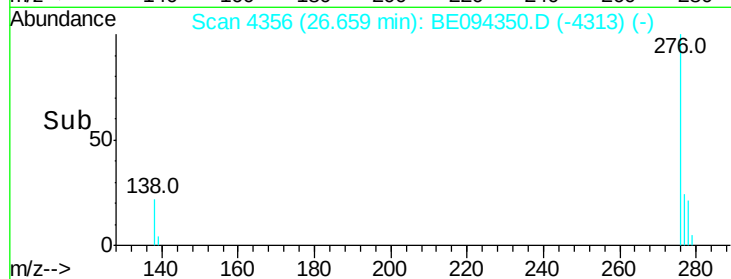
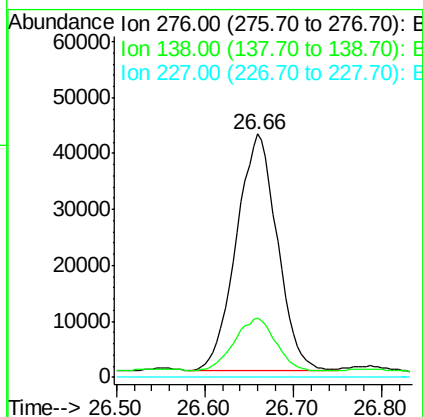
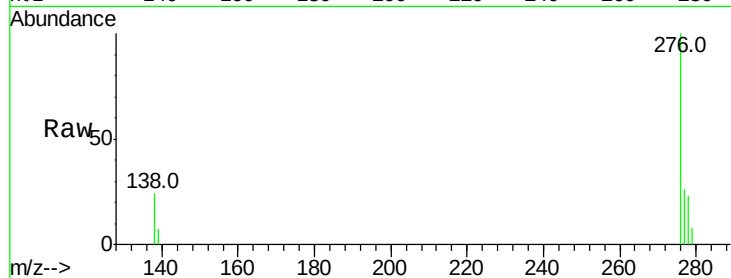


#24

Indeno(1,2,3-cd)pyrene
Concen: 3.926 ng/ul
RT: 26.66 min Scan# 4356
Delta R.T. -0.00 min
Lab File: BE094350.D
Acq: 14 Oct 2017 7:38

Instrument :
BNA_E
ClientSampleId :

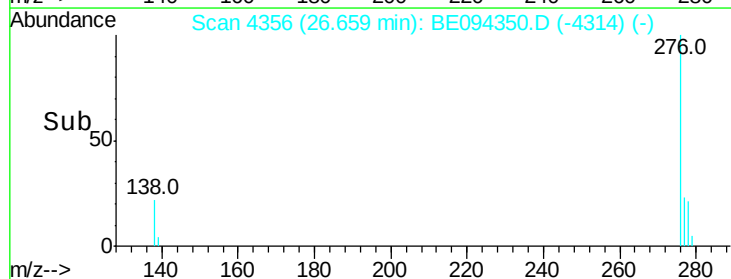
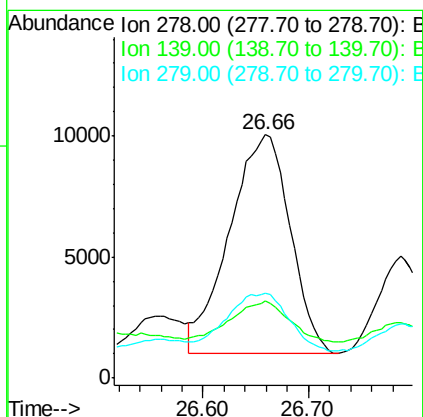
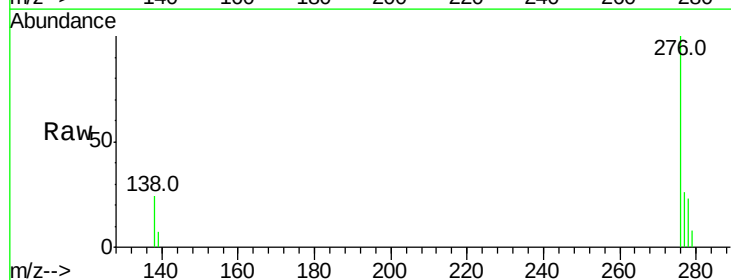
Tot Ion:276 Resp: 136349
Ion Ratio Lower Upper
276 100
138 22.7 28.0 42.0#
227 0.0 8.0 12.0#

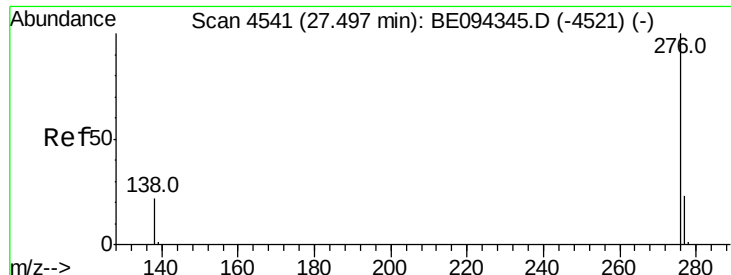


#25

Dibenzo(a,h)anthracene
Concen: 1.242 ng/ul
RT: 26.66 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BE094350.D
Acq: 14 Oct 2017 7:38

Tgt Ion:278 Resp: 36195
Ion Ratio Lower Upper
278 100
139 31.8 17.4 26.0#
279 34.7 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 3.571 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. 0.00 min

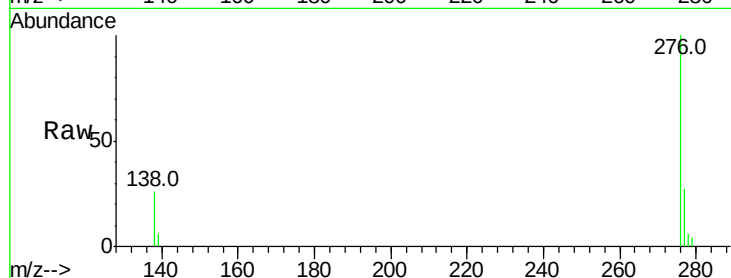
Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 106981

Ion Ratio Lower Upper

276 100

138 25.7 21.8 32.8

277 26.7 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

