

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093847.D
 Acq On : 16 Aug 2017 19:24
 Operator : SJ/JU
 Sample : I4672-19DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG7DL

Quant Time: Aug 17 03:06:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 02:52:40 2017
 Response via : Initial Calibration

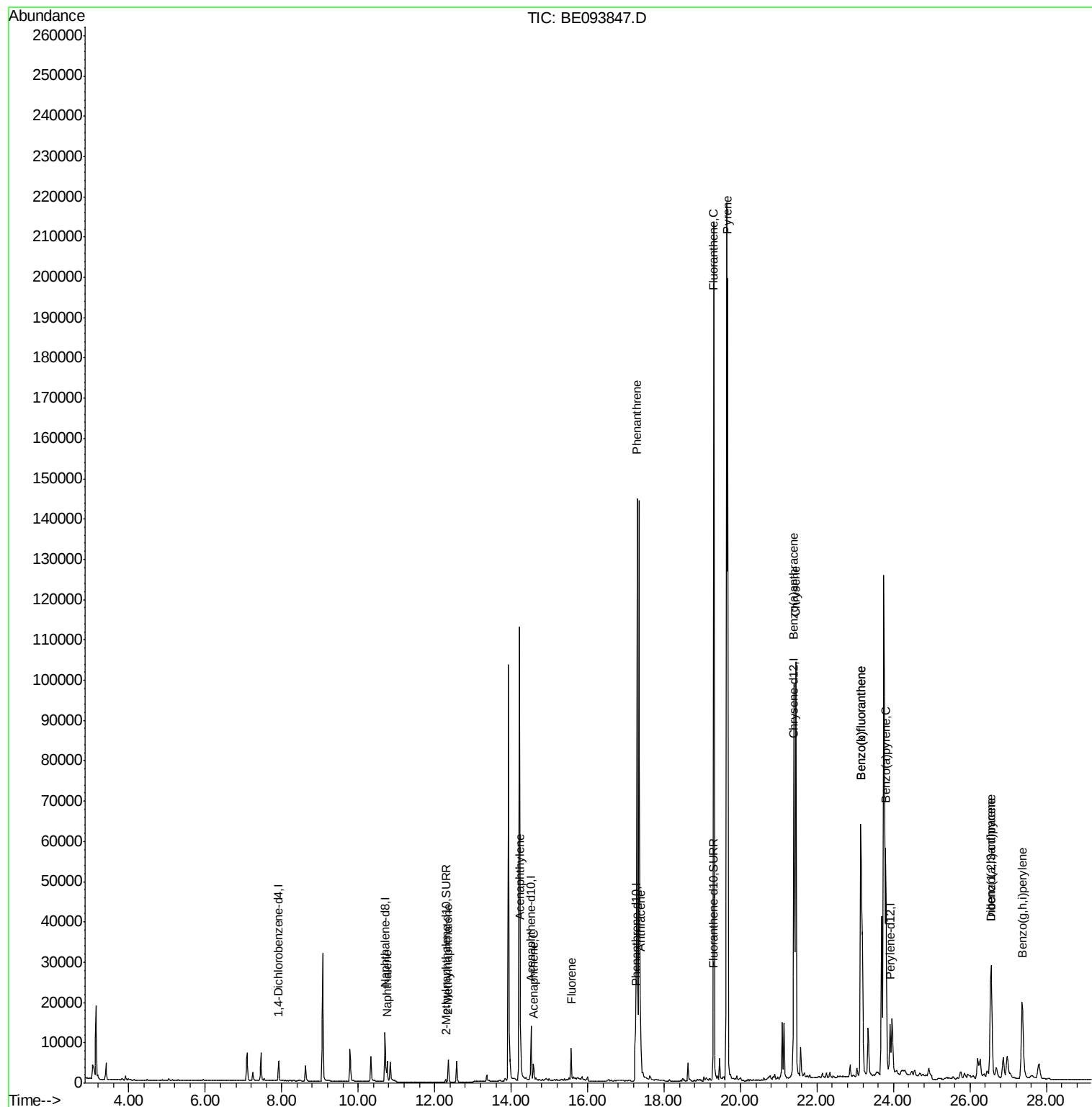
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2627	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	14007	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	8164	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	18226	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19382	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	18640	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1000	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2543	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	7803	0.229	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	5303	0.213	ng/ul	98
7) Acenaphthylene	14.24	152	9241	0.271	ng/ul	98
8) Acenaphthene	14.58	153	2659	0.099	ng/ul	98
9) Fluorene	15.57	166	5177	0.152	ng/ul	93
12) Phenanthrene	17.29	178	161676	3.257	ng/ul#	90
13) Anthracene	17.38	178	19868	0.411	ng/ul#	91
15) Fluoranthene	19.30	202	244836	3.944	ng/ul	84
17) Pyrene	19.66	202	217683	3.848	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	88741	1.579	ng/ul#	86
19) Chrysene	21.45	228	107425	1.993	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	168537	2.923	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	168537	2.964	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	85119	1.552	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.55	276	54404	0.898	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	13187	0.261	ng/ul	96
26) Benzo(a,h,i)perylene	27.37	276	47898	0.939	ng/ul	97

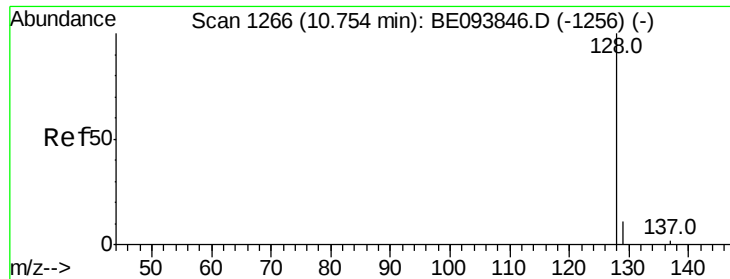
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.229 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

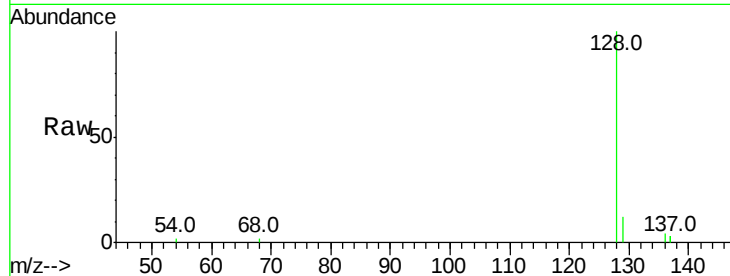
Tot Ion:128 Resp: 7803

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

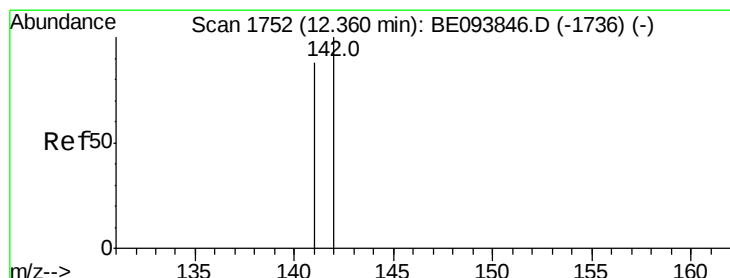
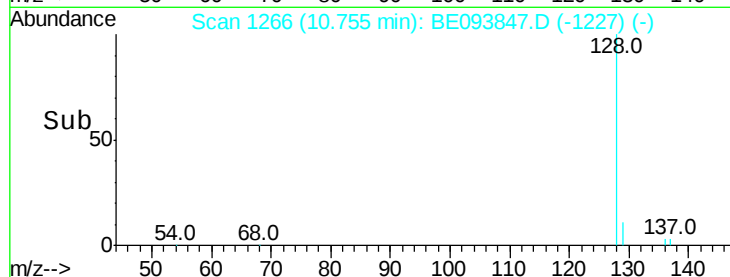
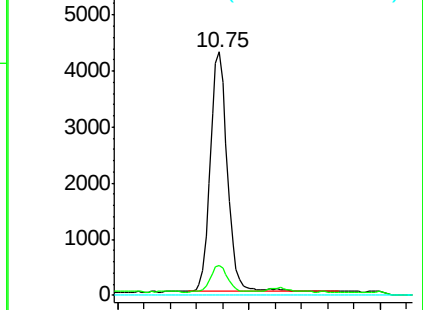
127 0.0 4.0 6.0#



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: 0.213 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093847.D

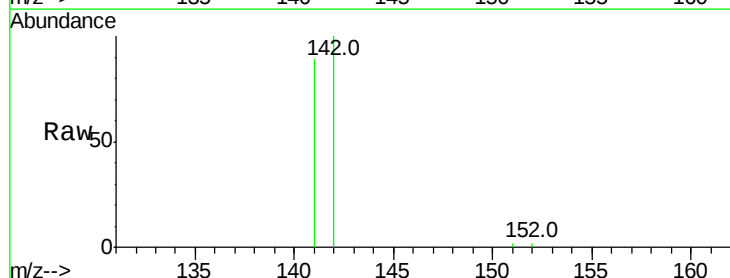
Acq: 16 Aug 2017 19:24

Tgt Ion:142 Resp: 5303

Ion Ratio Lower Upper

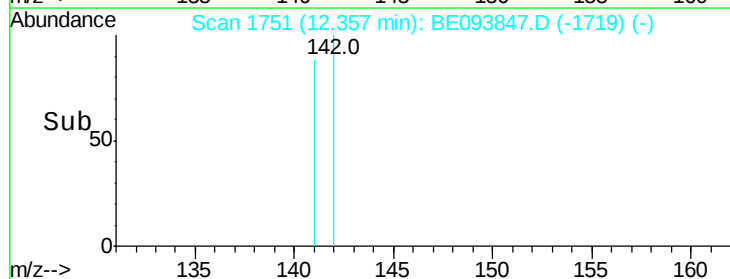
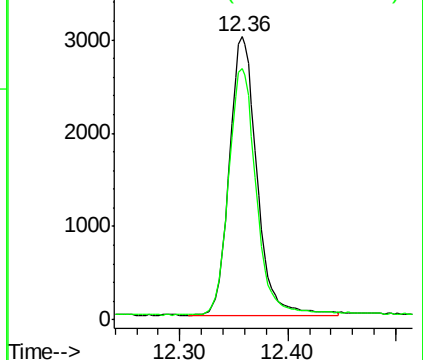
142 100

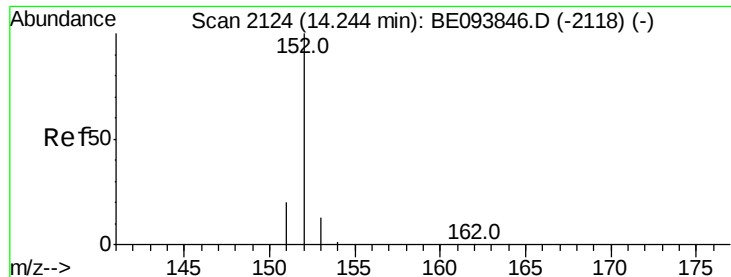
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.271 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

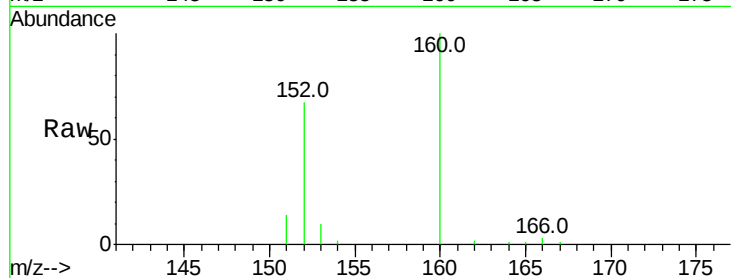
Tot Ion:152 Resp: 9241

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

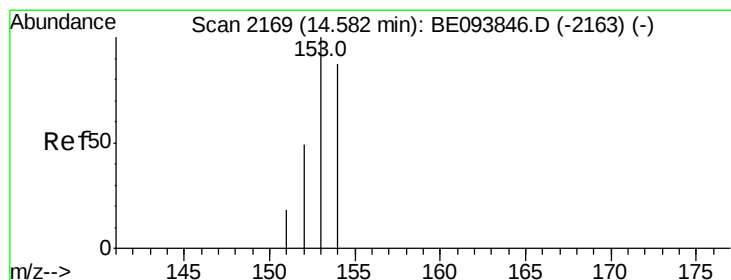
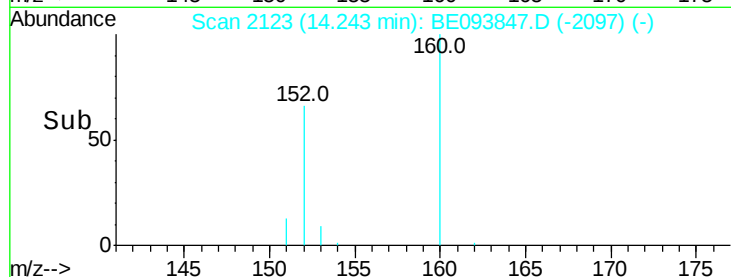
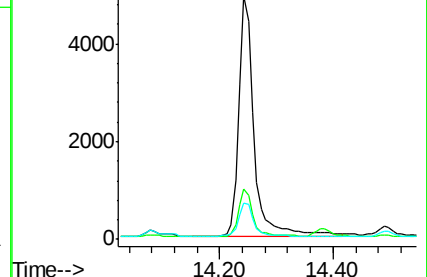
153 15.0 12.8 19.2



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: 0.099 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

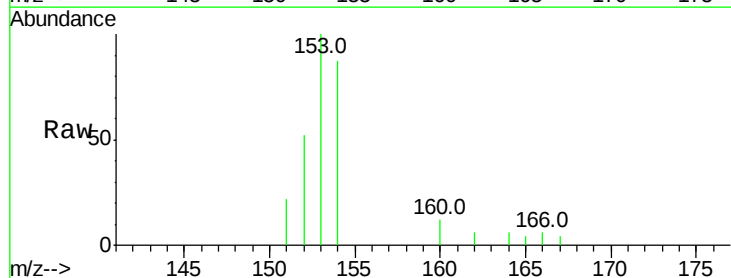
Tgt Ion:153 Resp: 2659

Ion Ratio Lower Upper

153 100

152 51.6 40.3 60.5

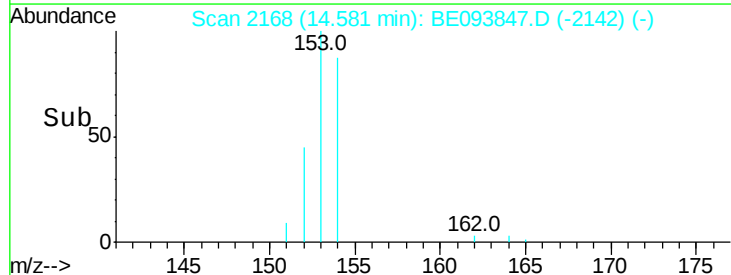
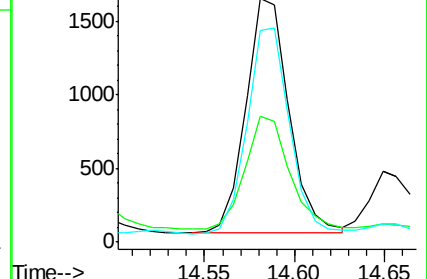
154 87.0 71.4 107.2

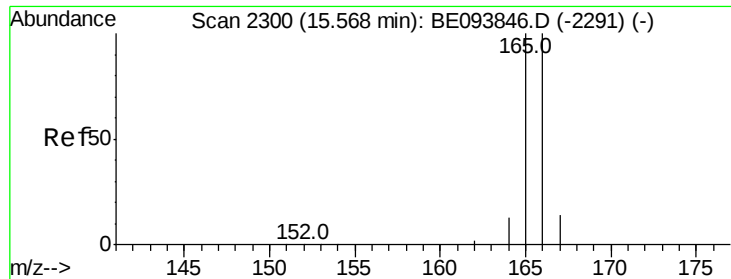


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.152 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

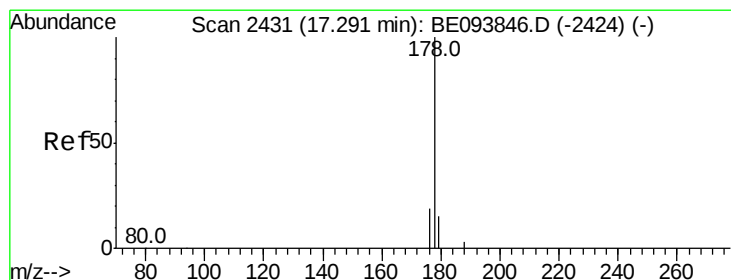
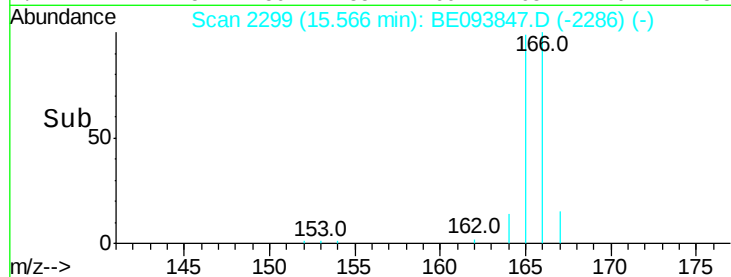
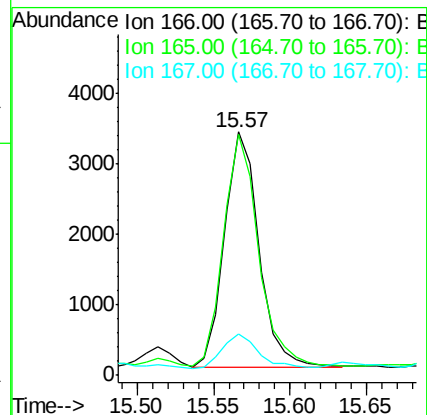
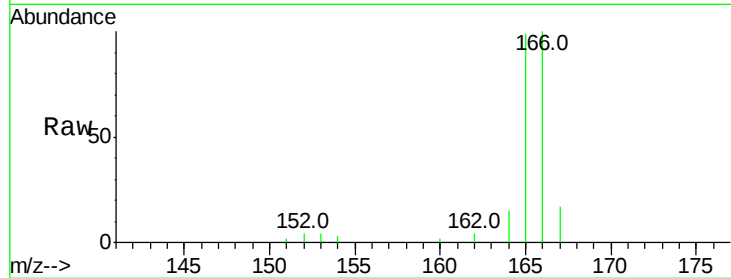
Tot Ion:166 Resp: 5177

Ion Ratio Lower Upper

166 100

165 98.8 73.4 110.2

167 17.0 14.6 22.0



#12

Phenanthrene

Concen: 3.257 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

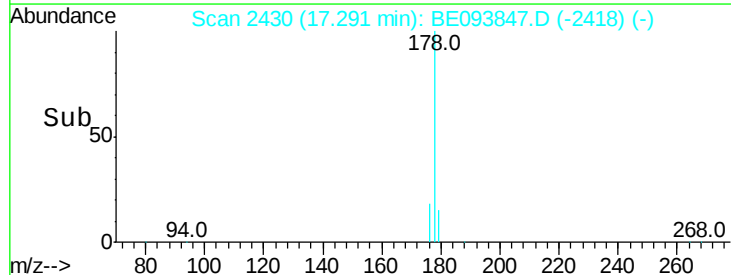
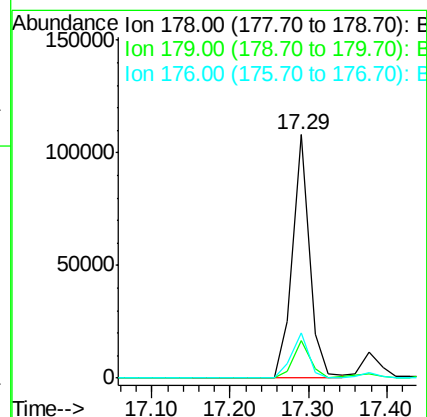
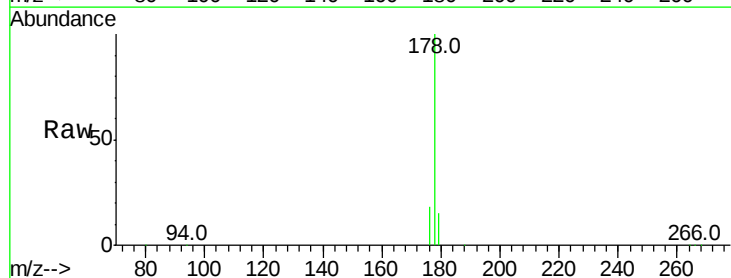
Tgt Ion:178 Resp: 161676

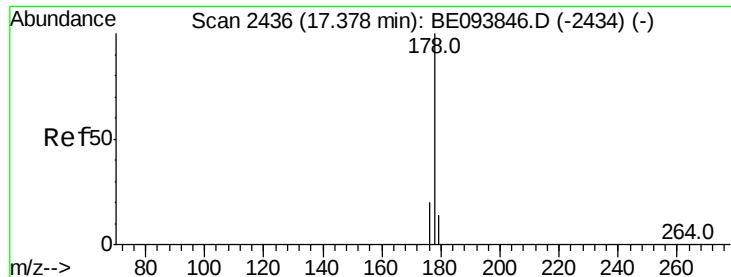
Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 18.4 13.6 20.4





#13

Anthracene

Concen: 0.411 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

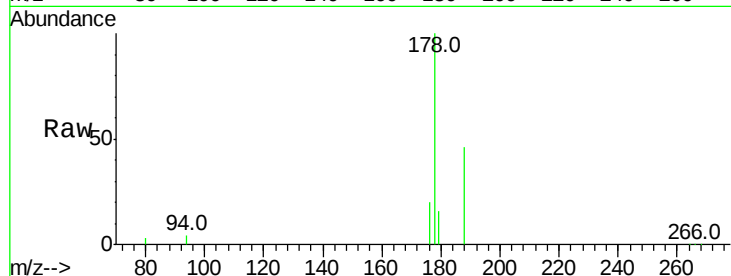
Tot Ion:178 Resp: 19868

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

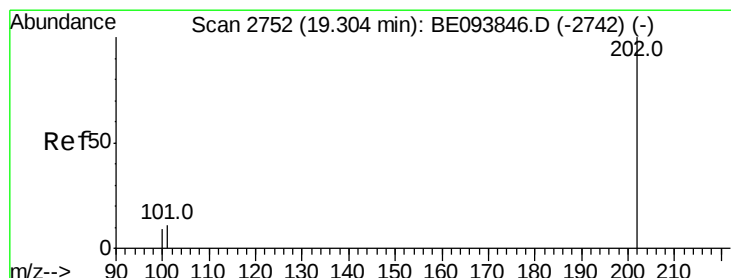
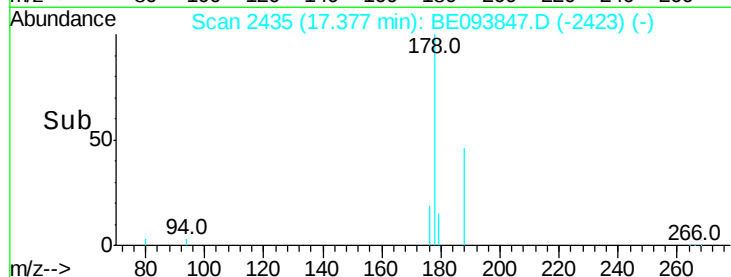
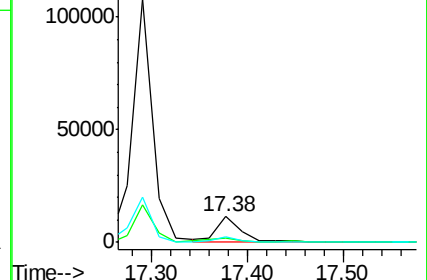
176 19.6 14.7 22.1



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: 3.944 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

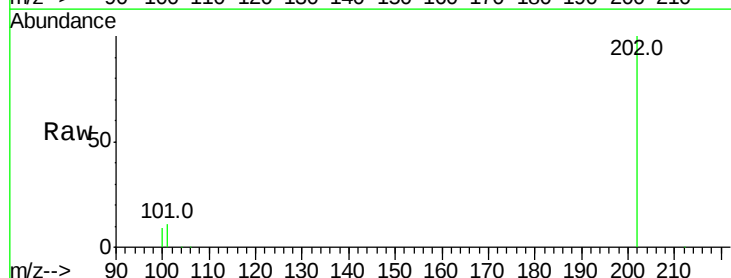
Tgt Ion:202 Resp: 244836

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

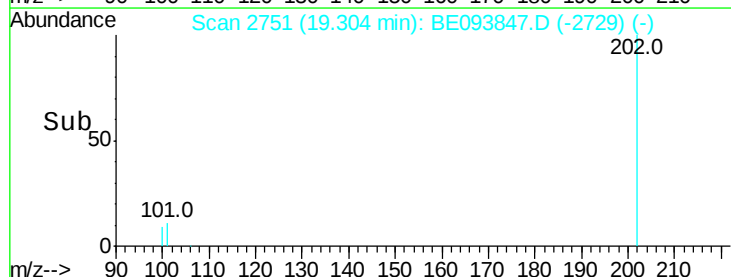
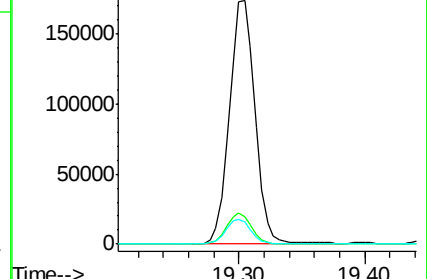
100 9.0 0.0 39.5

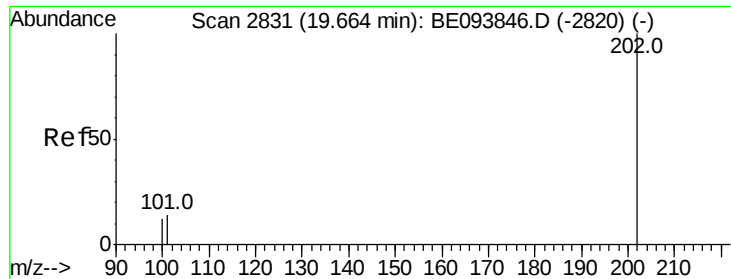


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 3.848 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

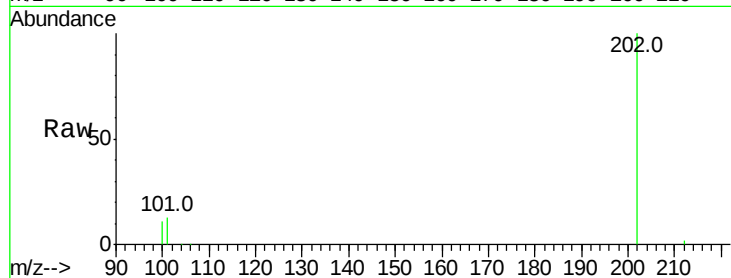
Tot Ion:202 Resp: 217683

Ion Ratio Lower Upper

202 100

101 13.4 18.2 27.4#

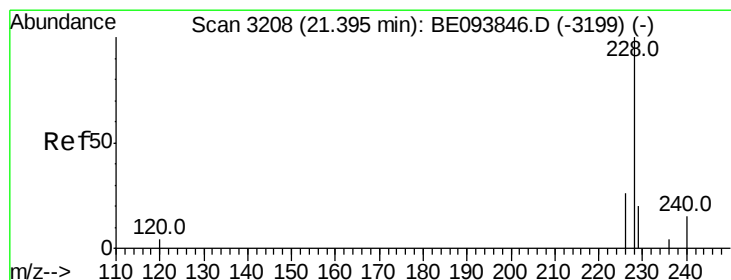
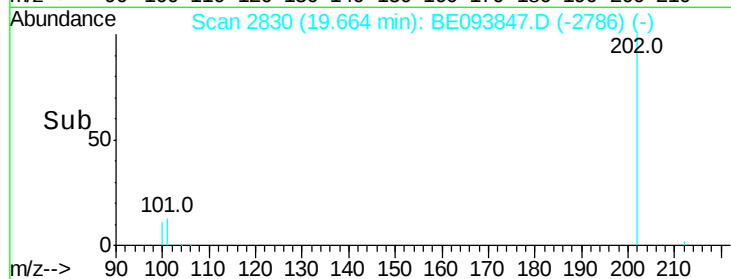
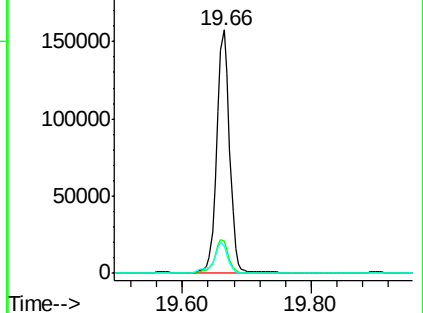
100 11.3 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 1.579 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

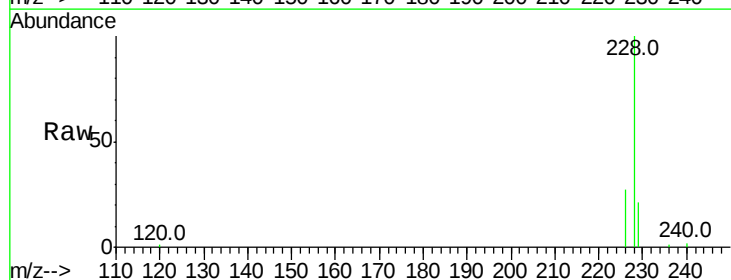
Tgt Ion:228 Resp: 88741

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

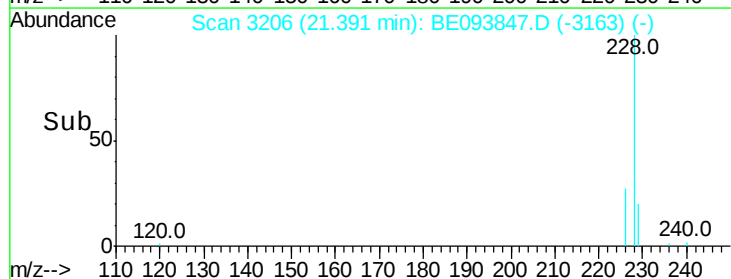
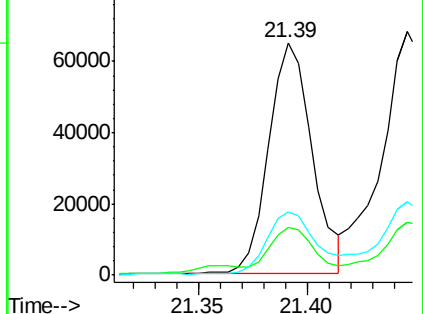
226 27.3 17.0 25.6#

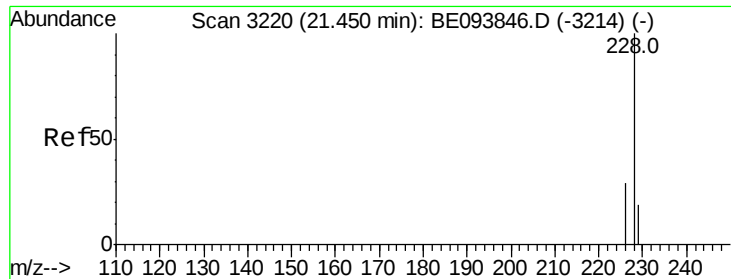


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.993 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

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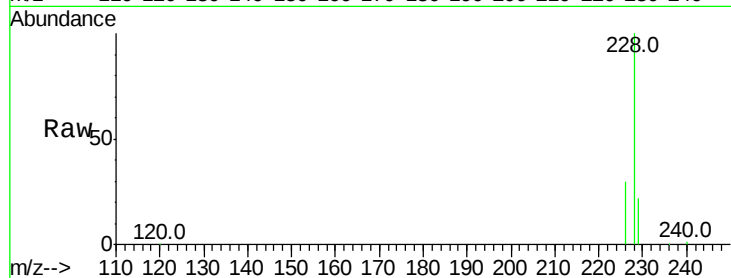
Tot Ion:228 Resp: 107425

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

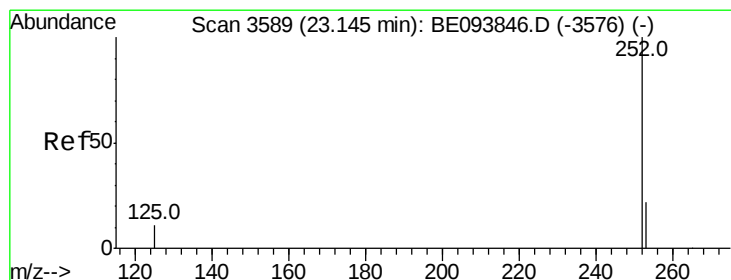
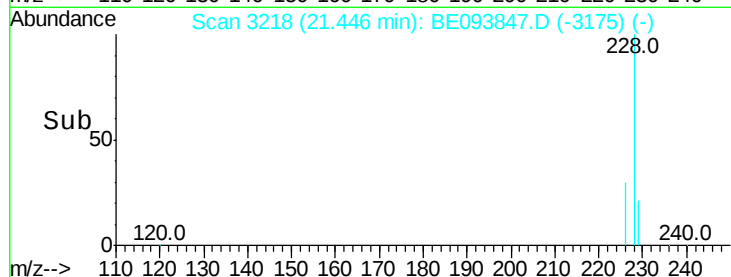
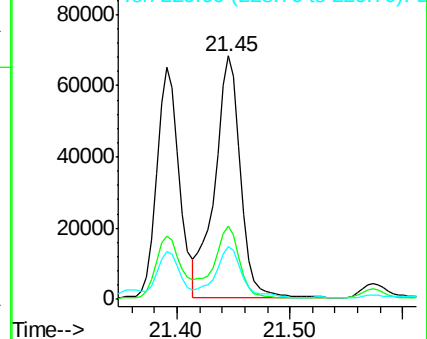
229 21.6 17.7 26.5



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: 2.923 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

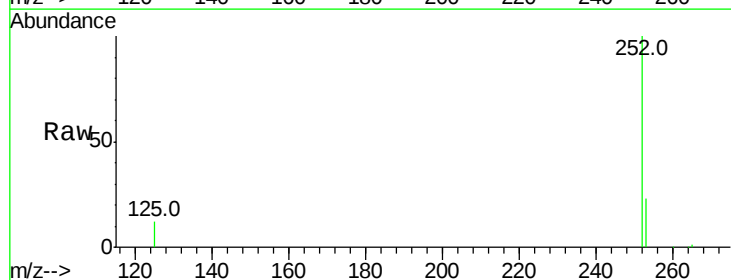
Tgt Ion:252 Resp: 168537

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

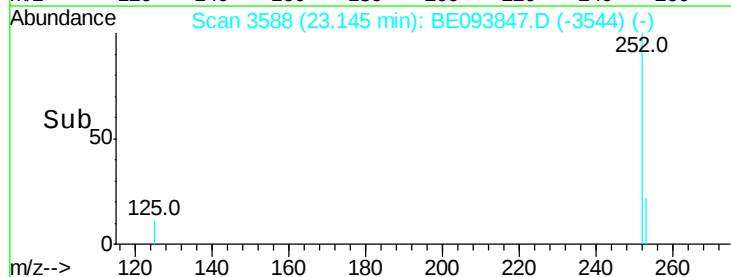
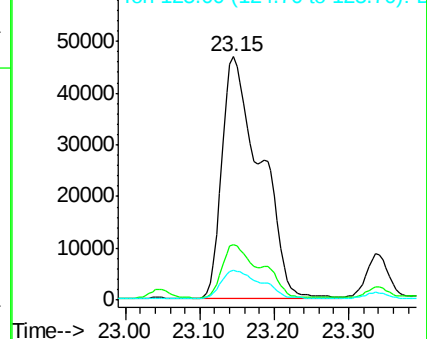
125 12.1 0.0 35.0

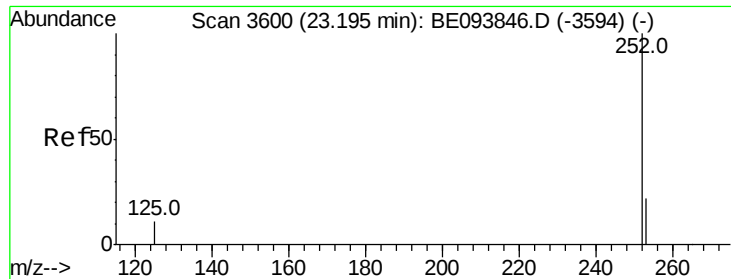


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.964 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

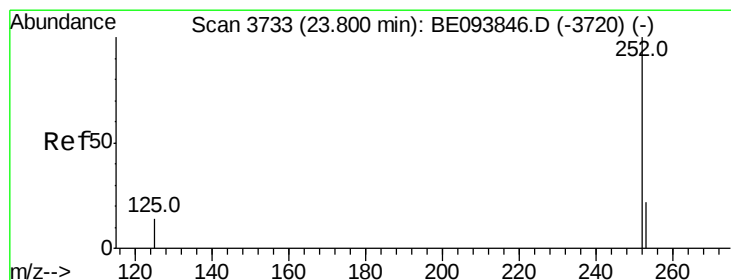
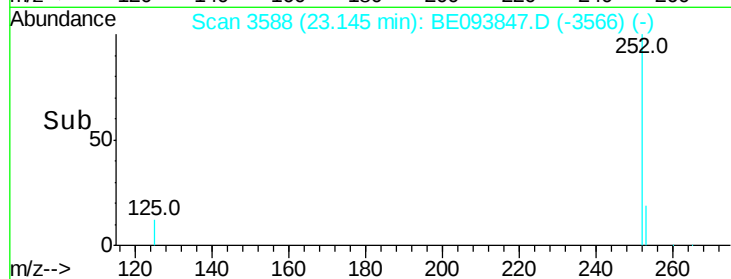
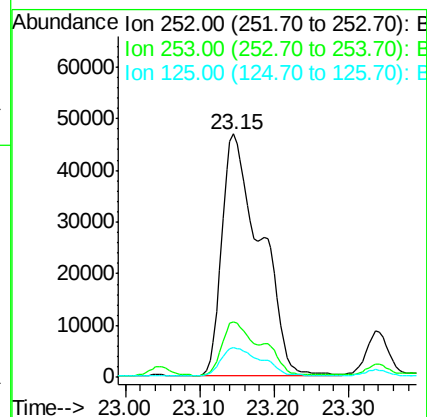
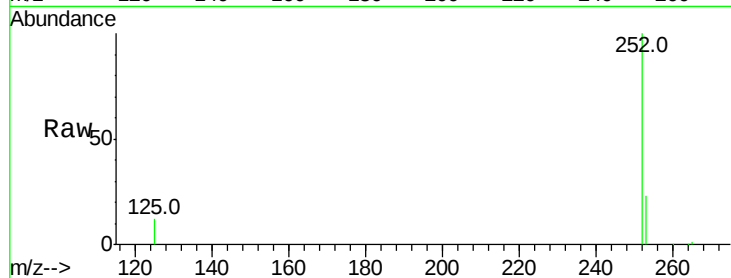
Tot Ion:252 Resp: 168537

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

125 12.1 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 1.552 ng/ul

RT: 23.80 min Scan# 3731

Delta R.T. -0.00 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

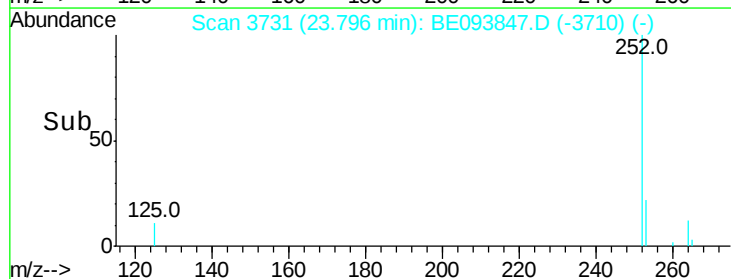
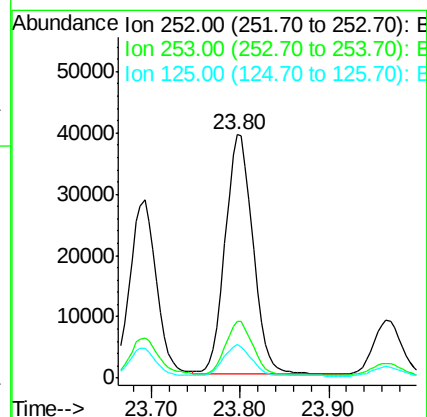
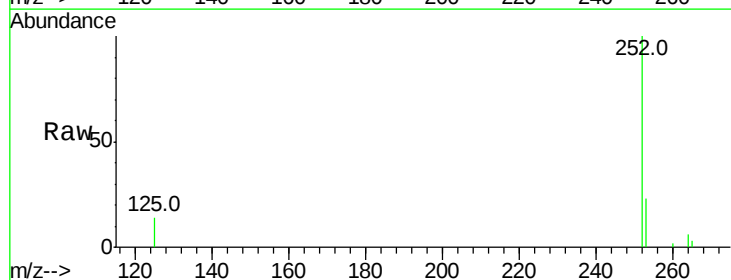
Tgt Ion:252 Resp: 85119

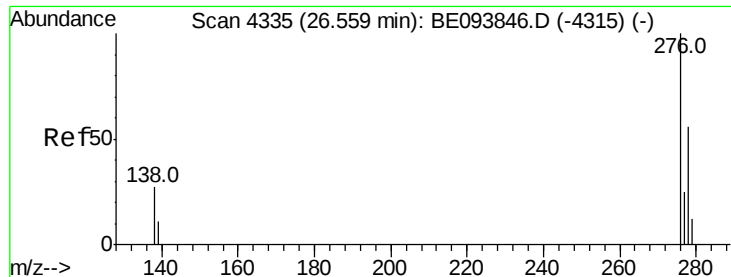
Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

125 13.6 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.898 ng/ul

RT: 26.55 min Scan# 4331

Delta R.T. -0.01 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

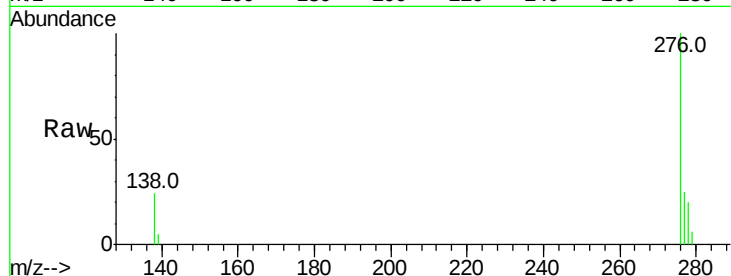
Tot Ion:276 Resp: 54404

Ion Ratio Lower Upper

276 100

138 24.1 28.0 42.0#

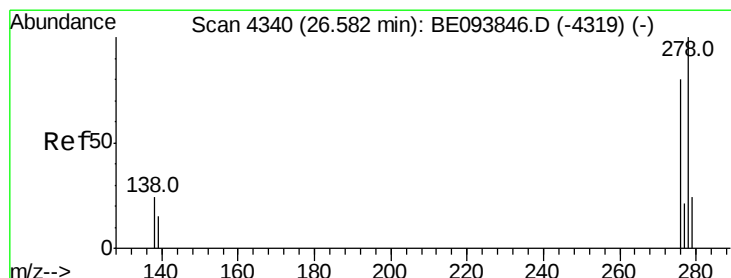
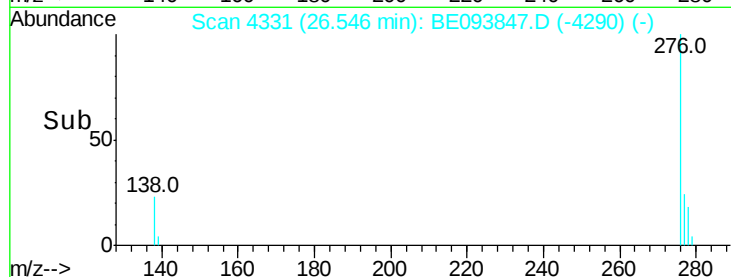
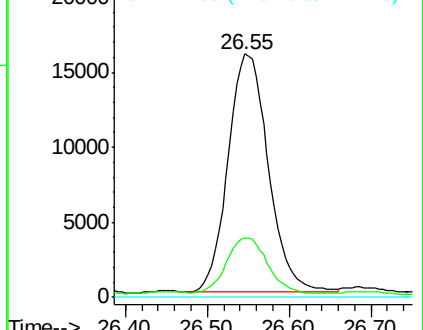
227 0.0 8.0 12.0#



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: 0.261 ng/ul

RT: 26.56 min Scan# 4334

Delta R.T. -0.02 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

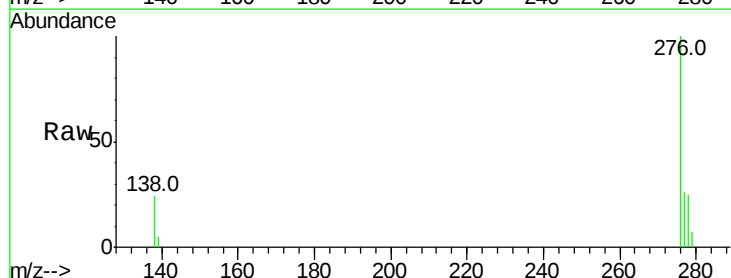
Tgt Ion:278 Resp: 13187

Ion Ratio Lower Upper

278 100

139 22.0 17.4 26.0

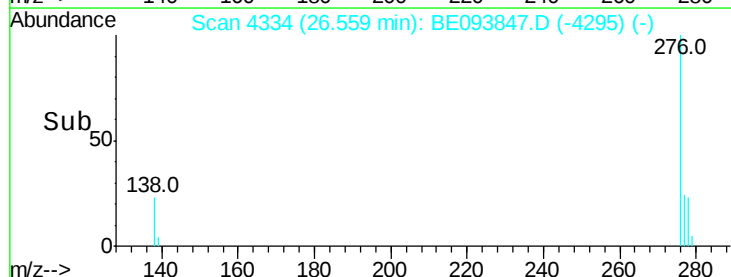
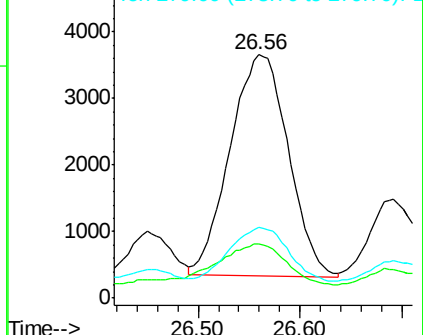
279 29.0 25.9 38.9

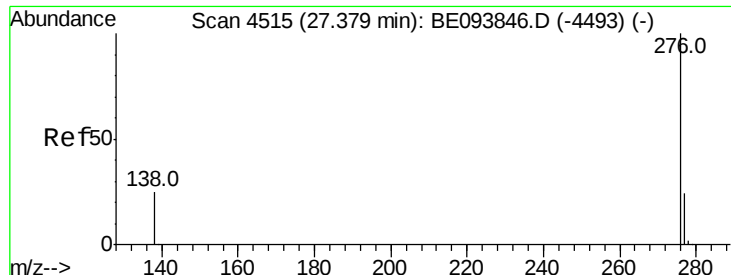


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.939 ng/ul

RT: 27.37 min Scan# 4511

Delta R.T. -0.01 min

Lab File: BE093847.D

Acq: 16 Aug 2017 19:24

Instrument :

BNA_E

ClientSampleId :

C0AG7DL

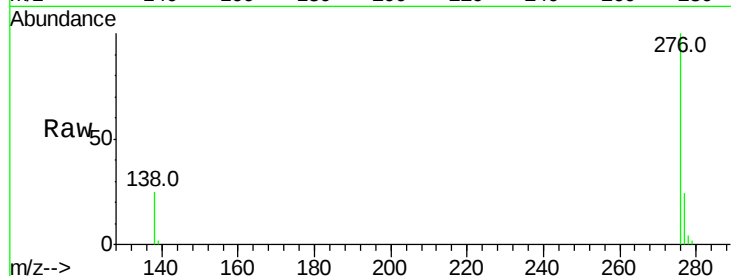
Tot Ion:276 Resp: 47898

Ion Ratio Lower Upper

276 100

138 25.1 21.8 32.8

277 24.3 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

