

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093851.D
 Acq On : 16 Aug 2017 21:53
 Operator : SJ/JU
 Sample : I4672-18DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG2DL

Quant Time: Aug 17 03:06:49 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

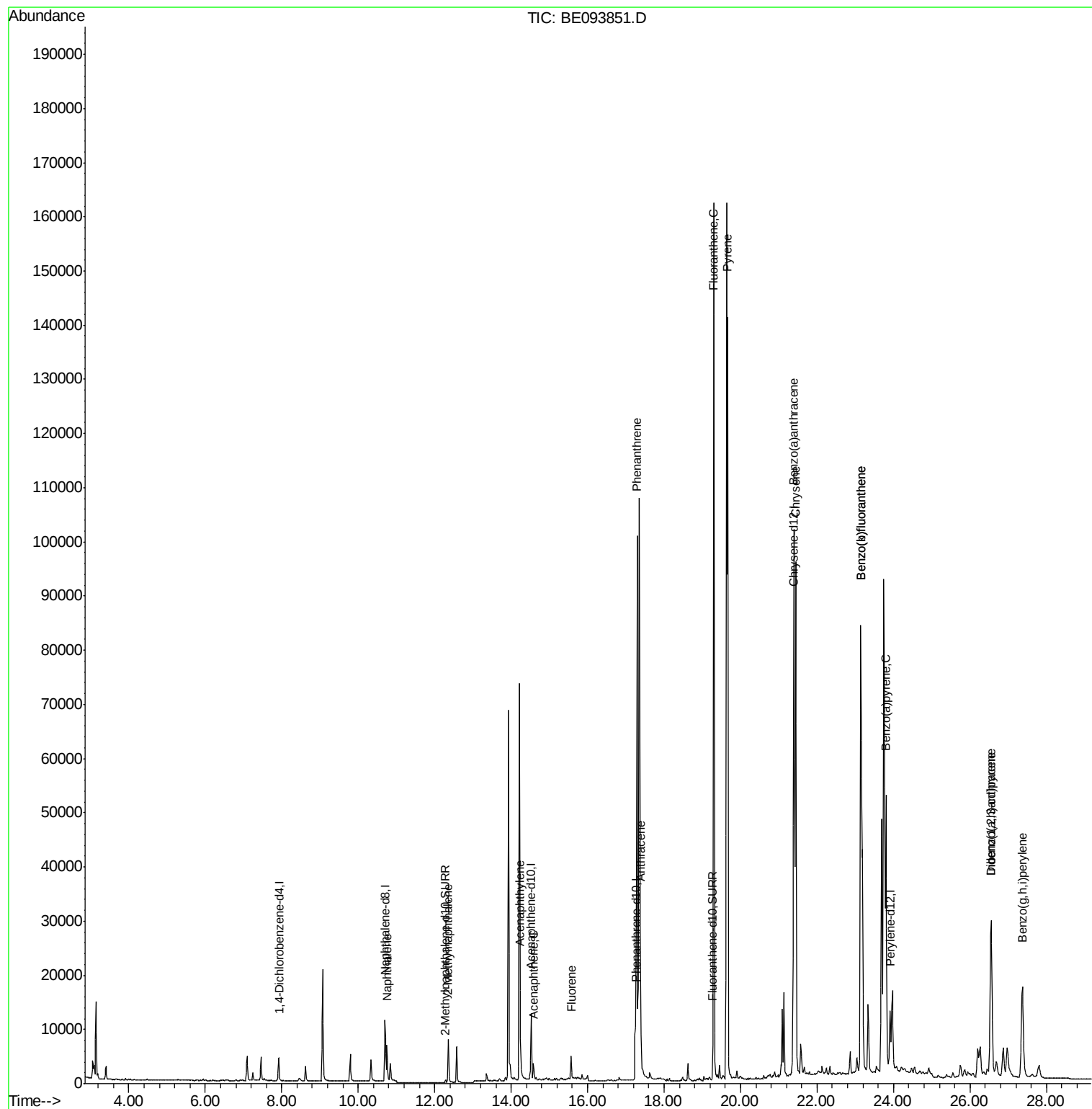
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2298	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12378	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7135	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16016	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	17554	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	17263	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	661	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1789	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	10694	0.355	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	7240	0.330	ng/ul	98
7) Acenaphthylene	14.24	152	4585	0.154	ng/ul	96
8) Acenaphthene	14.58	153	1884	0.080	ng/ul	97
9) Fluorene	15.57	166	2677	0.090	ng/ul	91
12) Phenanthrene	17.29	178	117176	2.686	ng/ul#	91
13) Anthracene	17.38	178	30735	0.723	ng/ul#	92
15) Fluoranthene	19.30	202	179376	3.288	ng/ul	84
17) Pyrene	19.66	202	152324	2.973	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	94382	1.854	ng/ul#	85
19) Chrysene	21.44	228	106811	2.188	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	205066	3.840	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	205066	3.894	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	77223	1.520	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.55	276	55892	0.997	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	14426	0.308	ng/ul	95
26) Benzo(a,h,i)perylene	27.37	276	43243	0.915	ng/ul	98

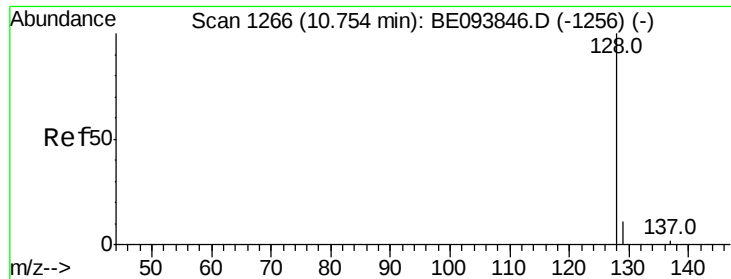
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.355 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

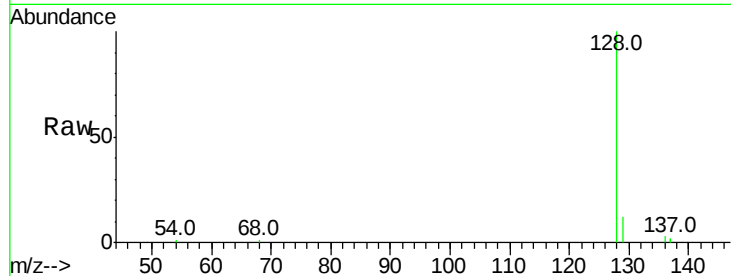
Tot Ion:128 Resp: 10694

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

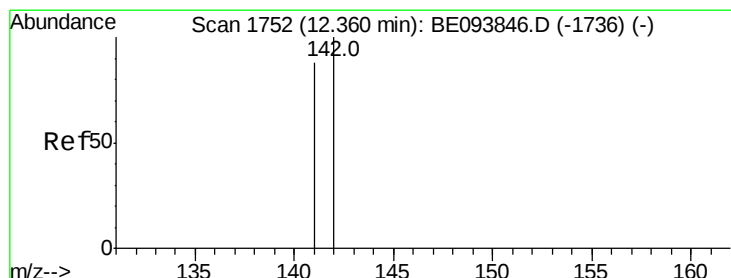
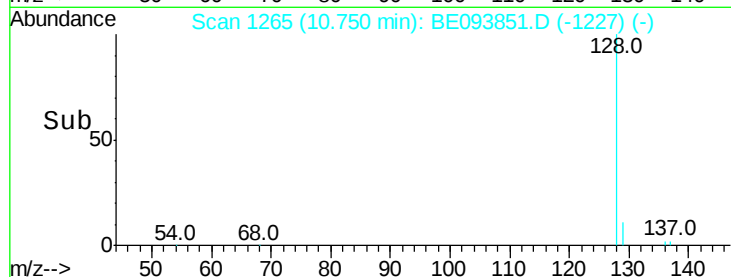
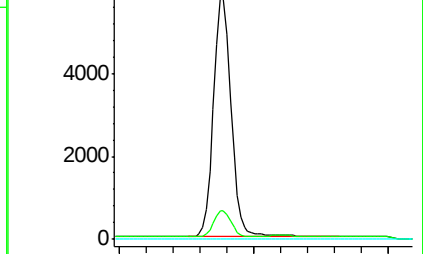
127 0.0 4.0 6.0#



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: 0.330 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093851.D

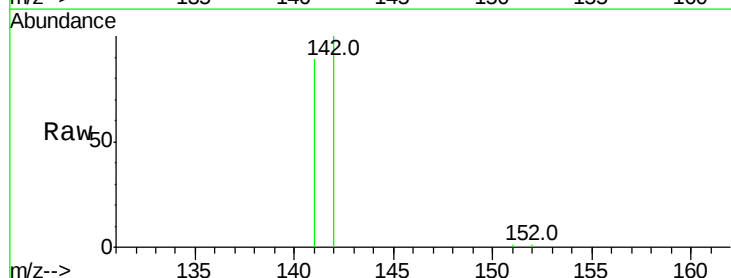
Acq: 16 Aug 2017 21:53

Tgt Ion:142 Resp: 7240

Ion Ratio Lower Upper

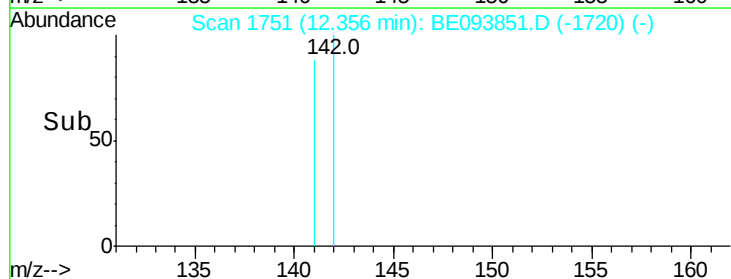
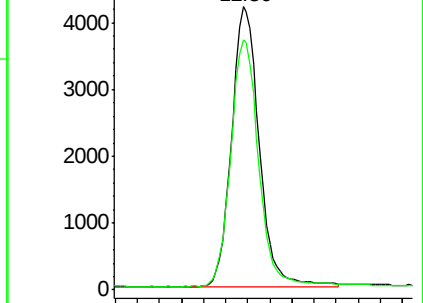
142 100

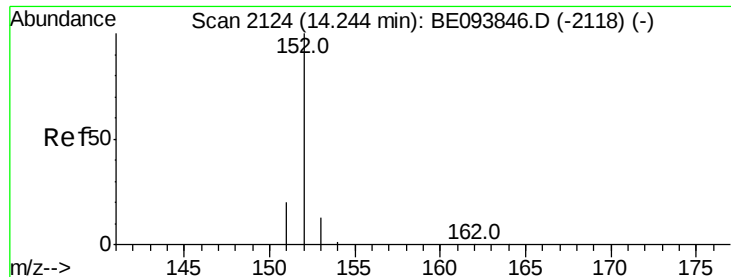
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.154 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

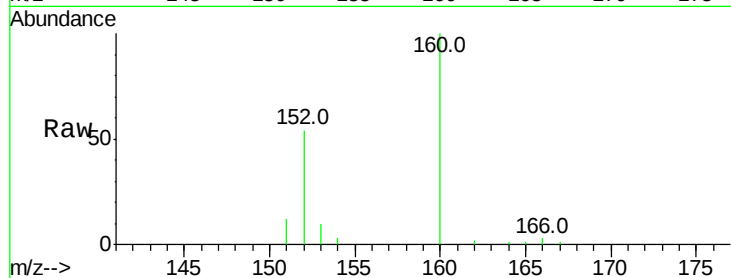
Tot Ion:152 Resp: 4585

Ion Ratio Lower Upper

152 100

151 22.6 17.1 25.7

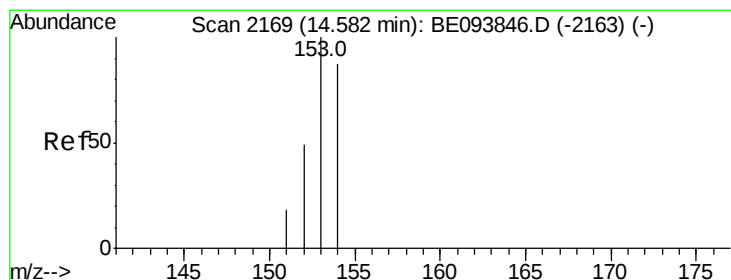
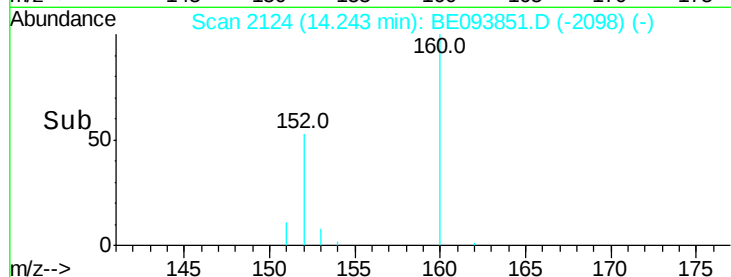
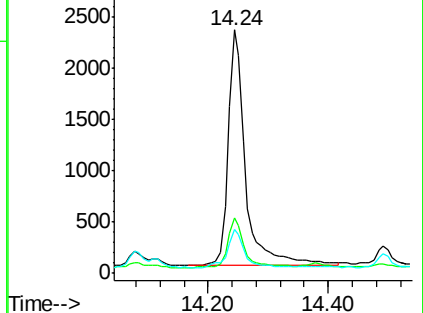
153 18.1 12.8 19.2



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: 0.080 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

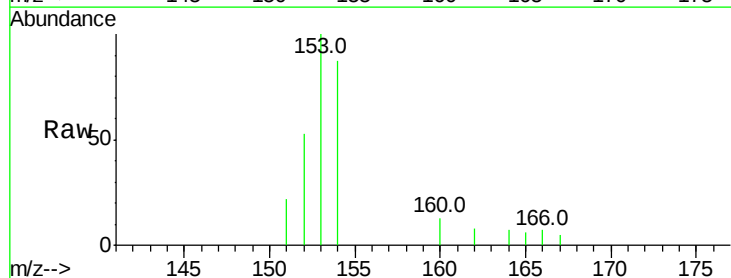
Tgt Ion:153 Resp: 1884

Ion Ratio Lower Upper

153 100

152 53.1 40.3 60.5

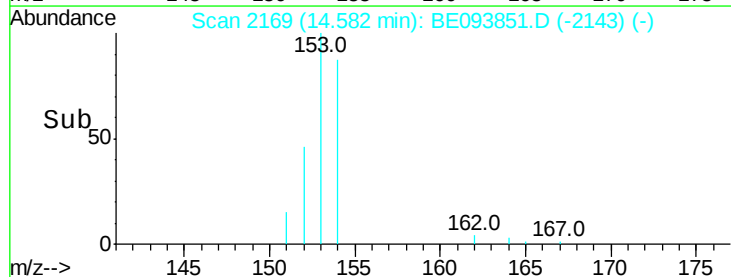
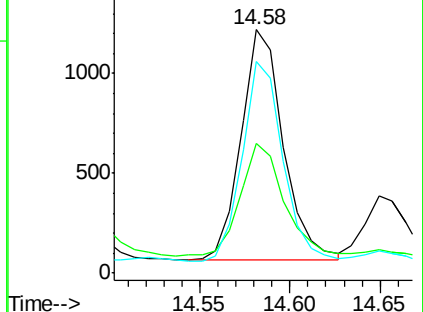
154 86.8 71.4 107.2

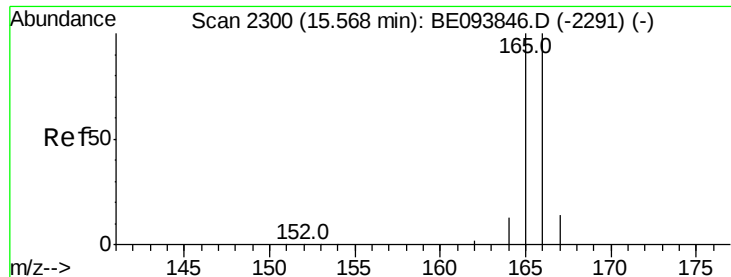


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.090 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

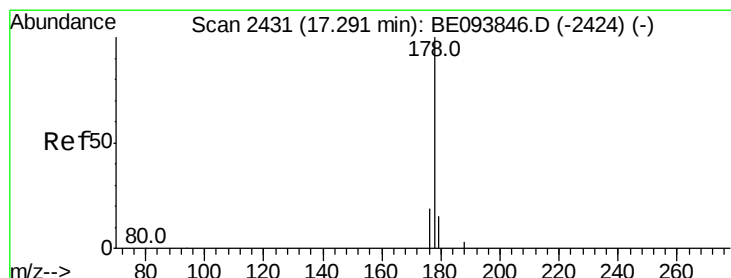
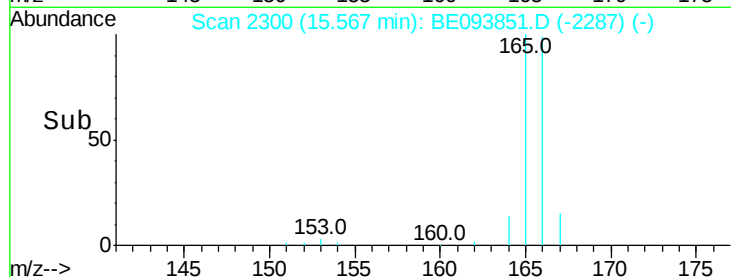
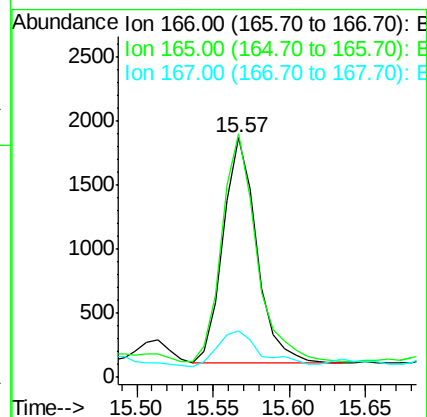
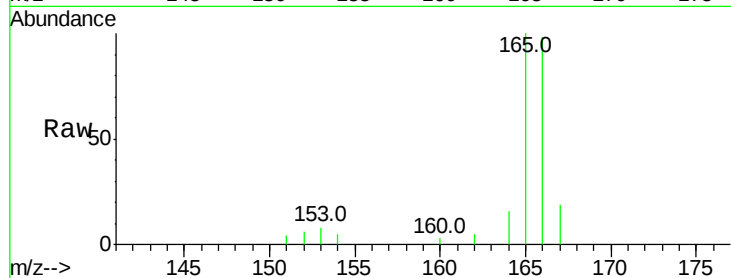
Tot Ion:166 Resp: 2677

Ion Ratio Lower Upper

166 100

165 101.7 73.4 110.2

167 19.2 14.6 22.0



#12

Phenanthrene

Concen: 2.686 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

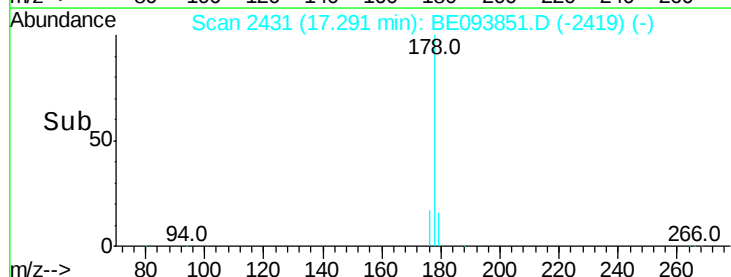
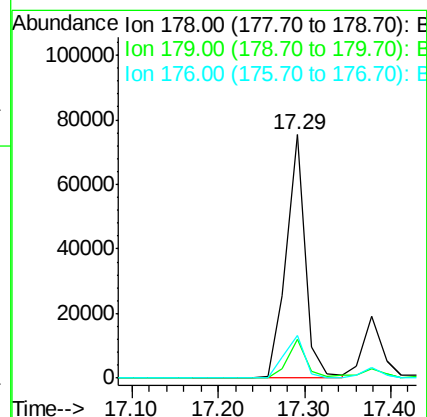
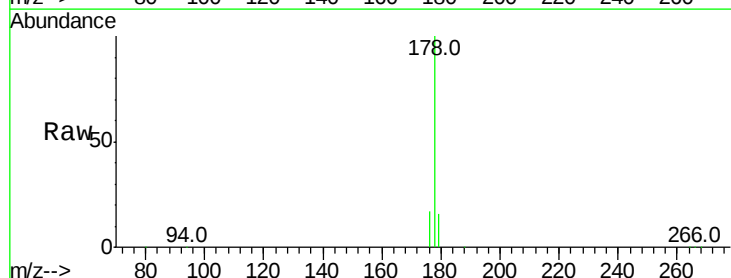
Tgt Ion:178 Resp: 117176

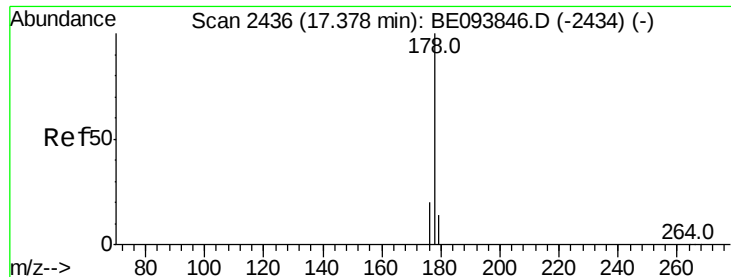
Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 17.4 13.6 20.4





#13

Anthracene

Concen: 0.723 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

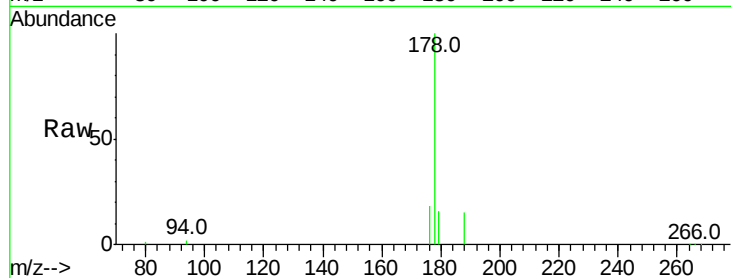
Tot Ion:178 Resp: 30735

Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

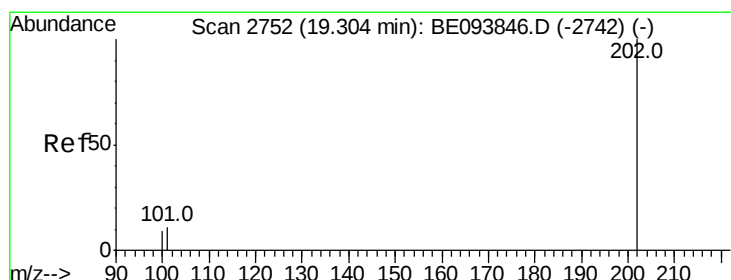
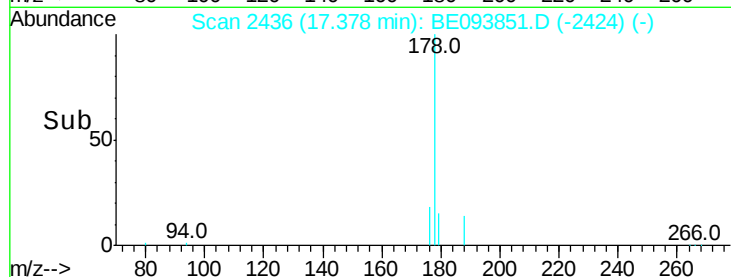
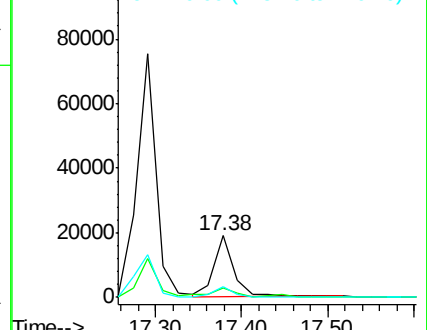
176 18.1 14.7 22.1



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: 3.288 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

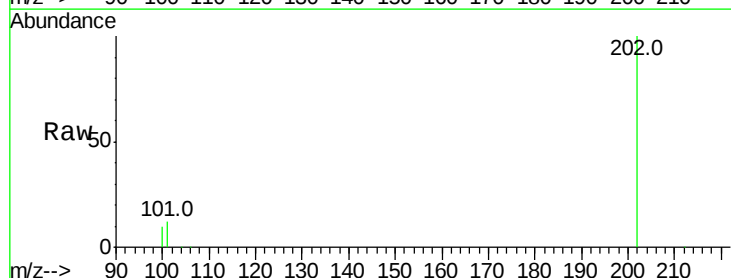
Tgt Ion:202 Resp: 179376

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

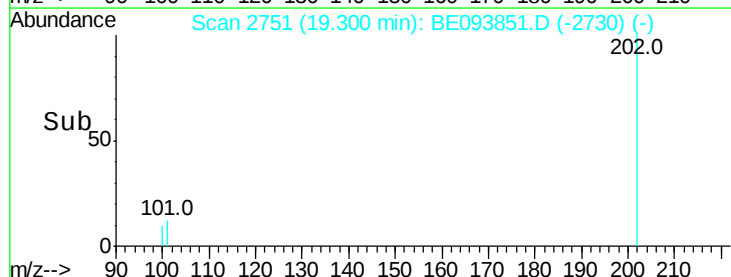
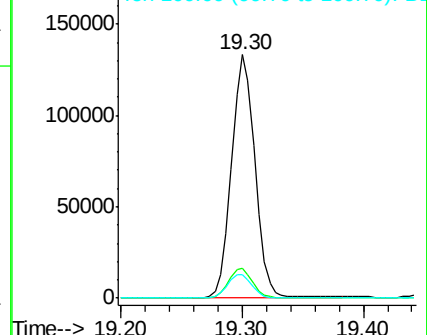
100 9.6 0.0 39.5

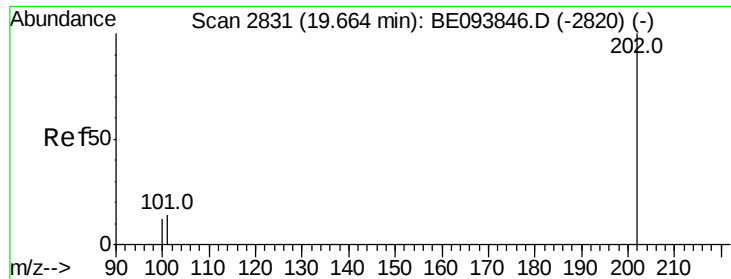


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

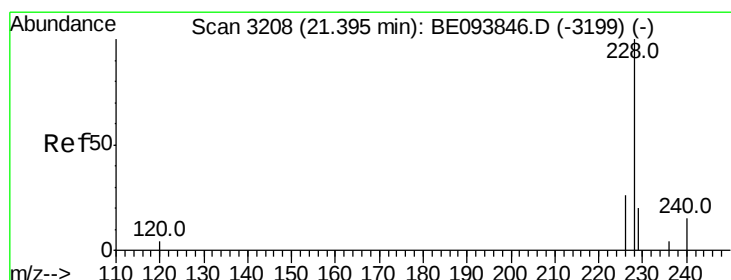
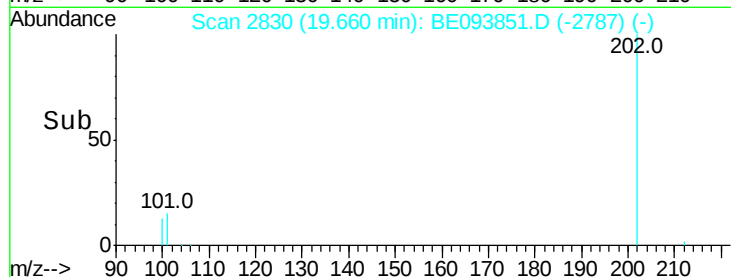
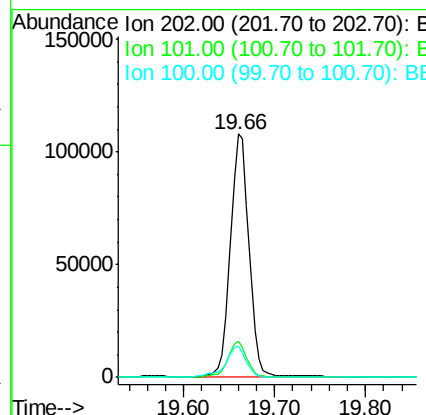
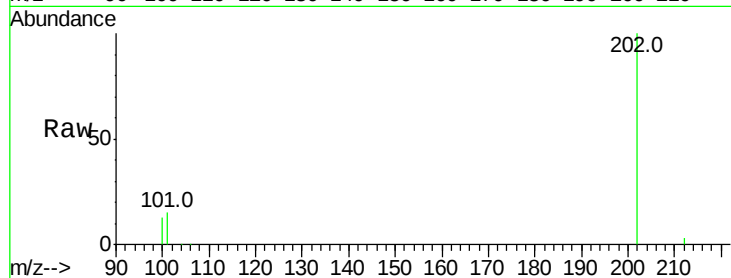




#17
Pvrene
Concen: 2.973 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BE093851.D
Acq: 16 Aug 2017 21:53

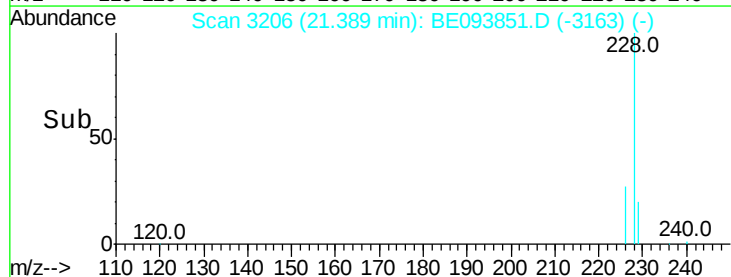
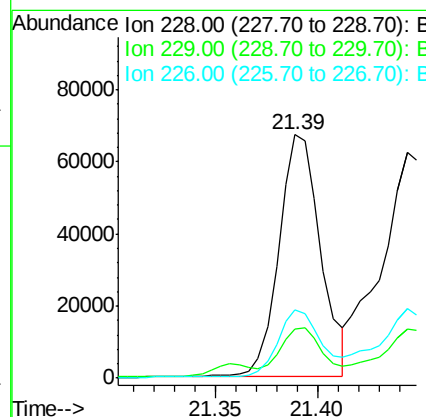
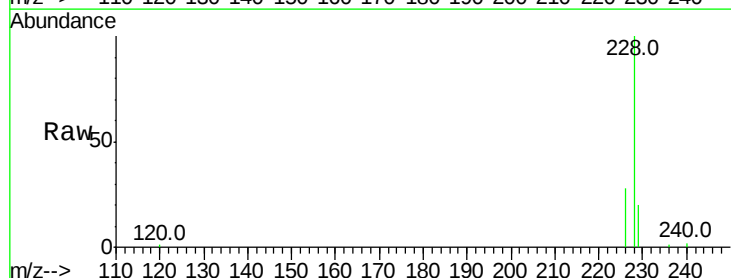
Instrument :
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C0AG2DL

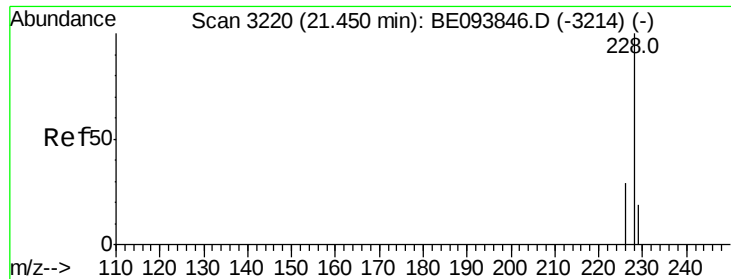
Tot Ion:202 Resp: 152324
Ion Ratio Lower Upper
202 100
101 14.7 18.2 27.4#
100 13.0 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.854 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BE093851.D
Acq: 16 Aug 2017 21:53

Tgt Ion:228 Resp: 94382
Ion Ratio Lower Upper
228 100
229 20.4 22.8 34.2#
226 27.9 17.0 25.6#





#19

Chrysene

Concen: 2.188 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

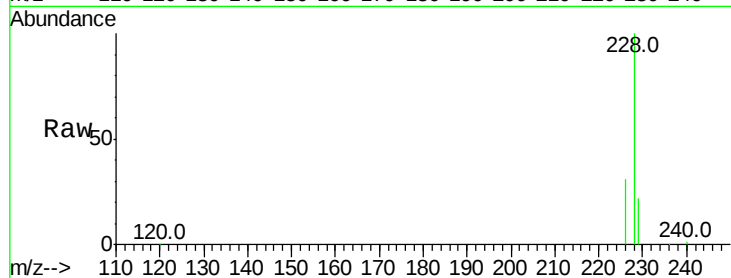
Tot Ion:228 Resp: 106811

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

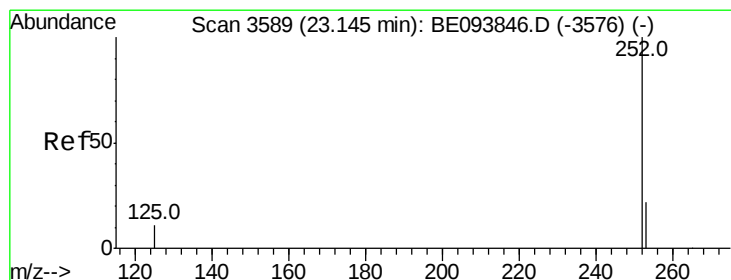
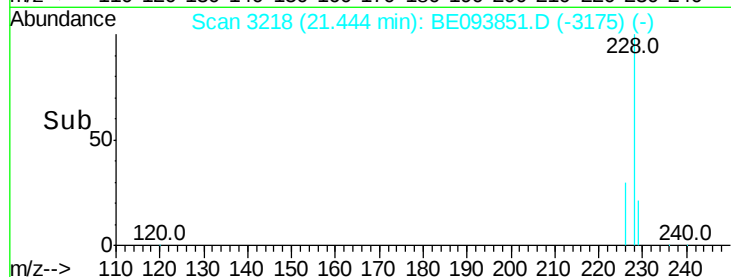
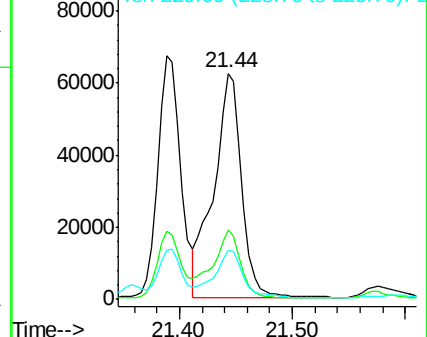
229 21.6 17.7 26.5



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: 3.840 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

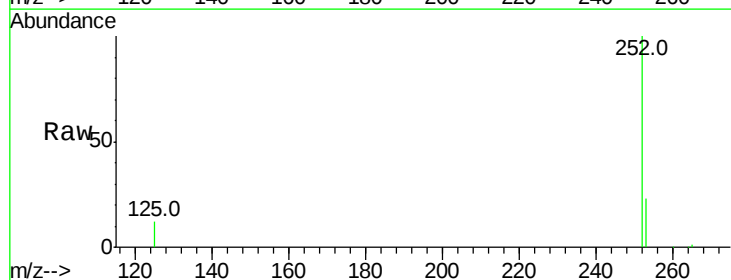
Tgt Ion:252 Resp: 205066

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

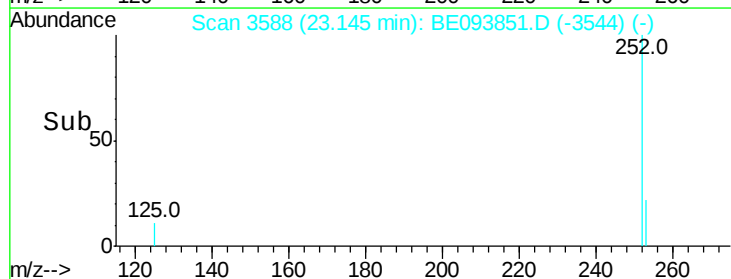
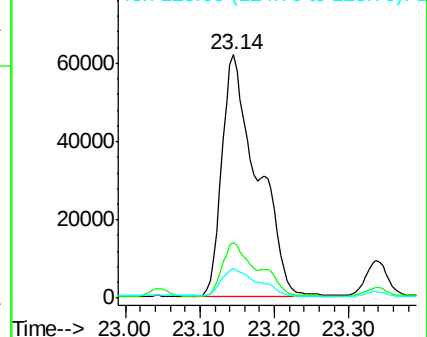
125 12.1 0.0 35.0

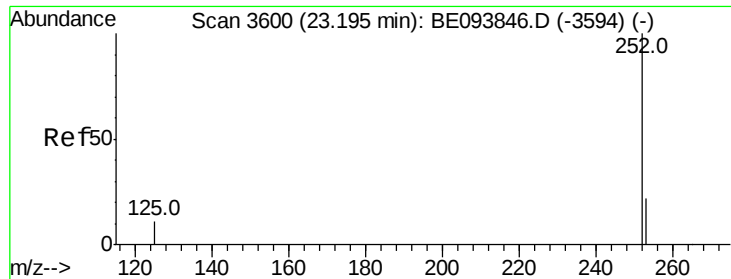


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.894 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL

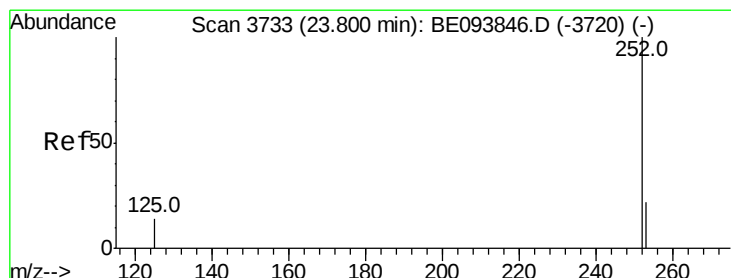
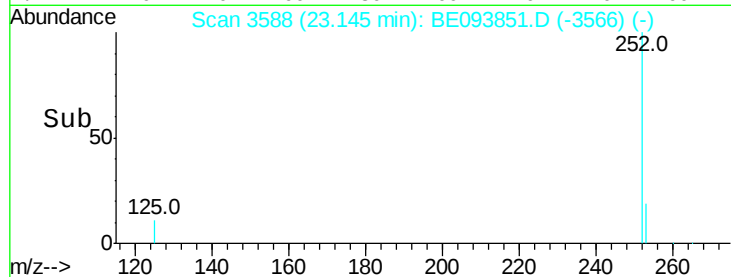
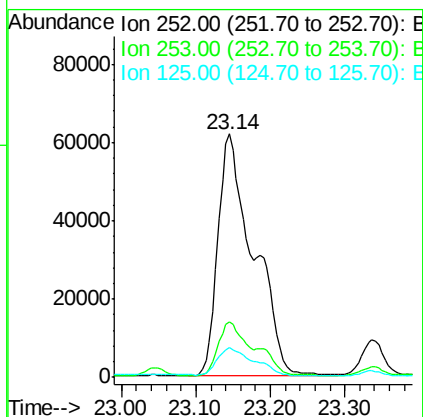
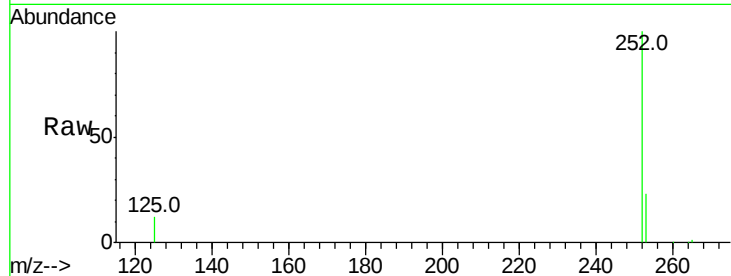
Tot Ion:252 Resp: 205066

Ion Ratio Lower Upper

252 100

253 22.6 24.5 36.7#

125 12.1 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 1.520 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. 0.00 min

Lab File: BE093851.D

Acq: 16 Aug 2017 21:53

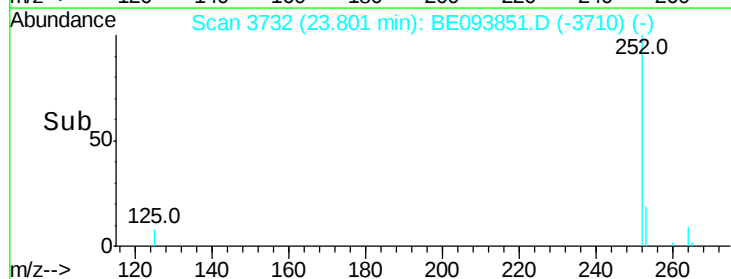
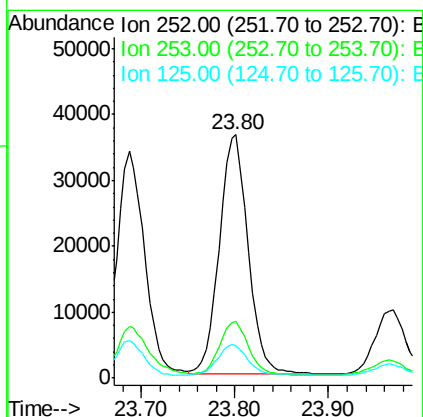
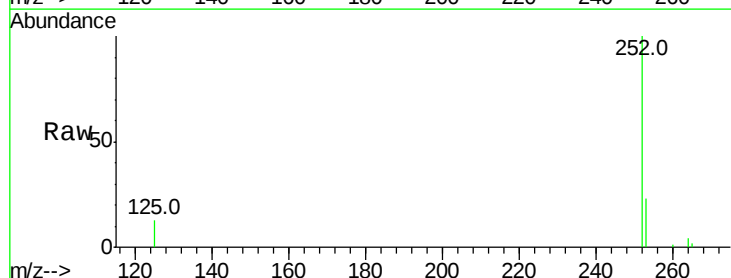
Tgt Ion:252 Resp: 77223

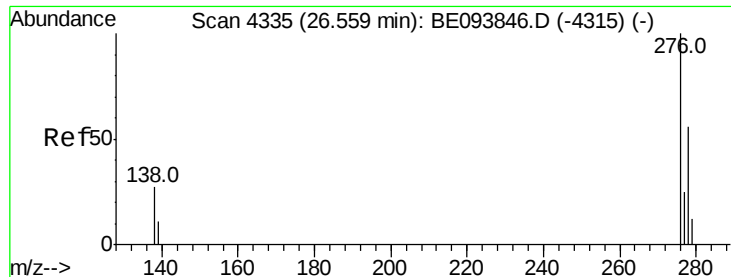
Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

125 13.3 18.1 27.1#



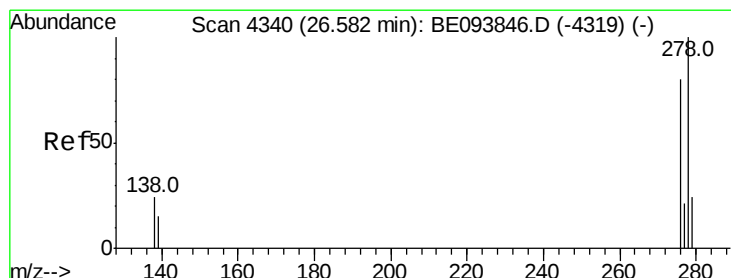
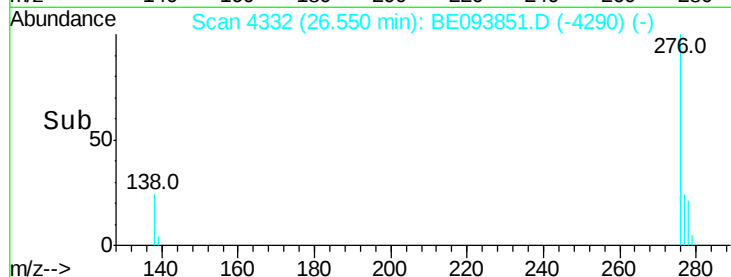
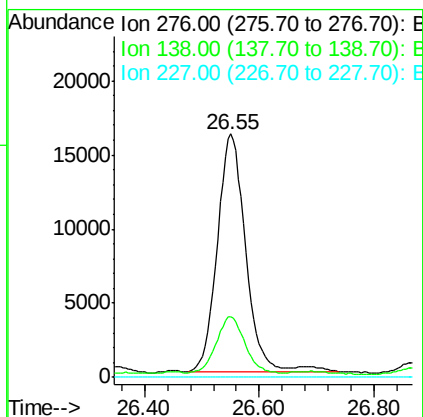
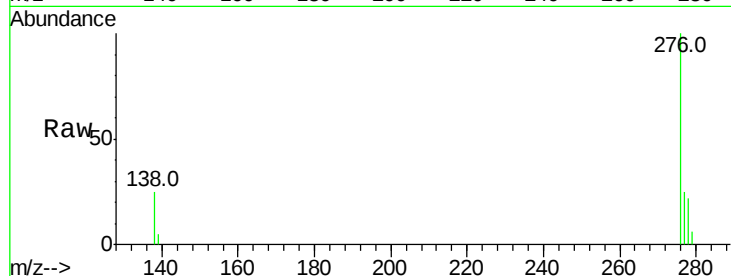


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.997 ng/ul
RT: 26.55 min Scan# 4332
Delta R.T. -0.01 min
Lab File: BE093851.D
Acq: 16 Aug 2017 21:53

Instrument :
BNA_E
ClientSampleId :
C0AG2DL

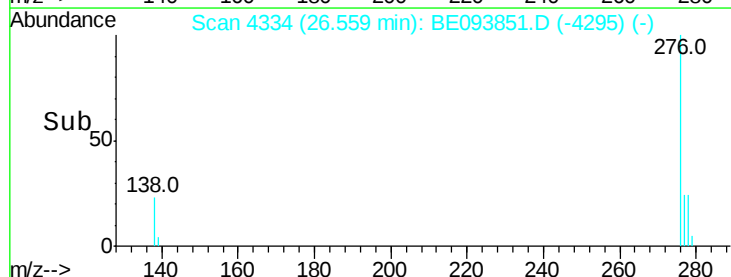
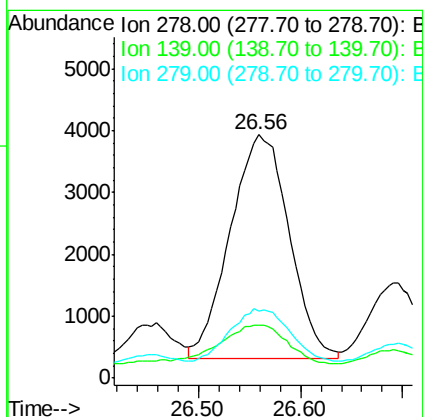
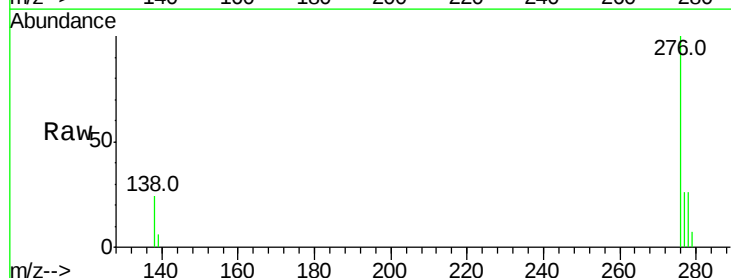
Tot Ion:276 Resp: 55892
Ion Ratio Lower Upper
276 100
138 24.1 28.0 42.0#
227 0.0 8.0 12.0#

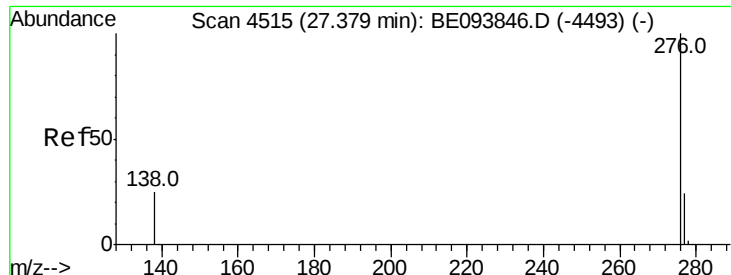


#25

Dibenzo(a,h)anthracene
Concen: 0.308 ng/ul
RT: 26.56 min Scan# 4334
Delta R.T. -0.02 min
Lab File: BE093851.D
Acq: 16 Aug 2017 21:53

Tgt Ion:278 Resp: 14426
Ion Ratio Lower Upper
278 100
139 21.8 17.4 26.0
279 27.4 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.915 ng/ul

RT: 27.37 min Scan# 4512

Delta R.T. -0.01 min

Lab File: BE093851.D

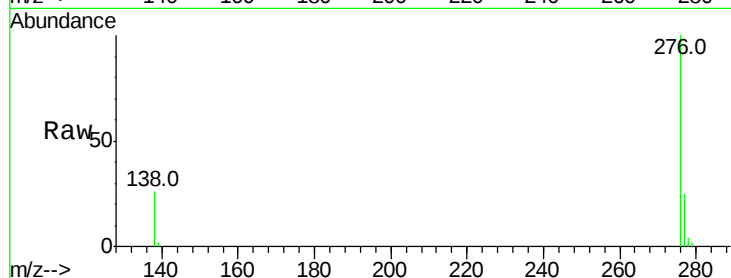
Acq: 16 Aug 2017 21:53

Instrument :

BNA_E

ClientSampleId :

C0AG2DL



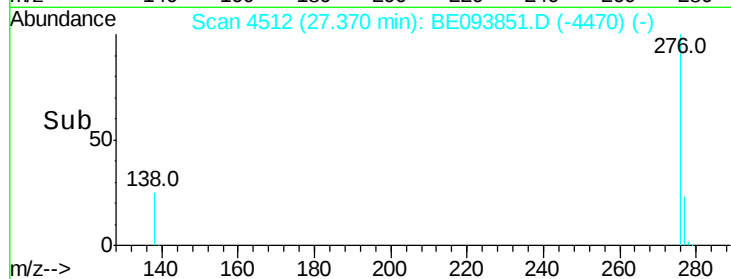
Tot Ion:276 Resp: 43243

Ion Ratio Lower Upper

276 100

138 26.0 21.8 32.8

277 24.7 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

