

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093853.D
 Acq On : 16 Aug 2017 23:08
 Operator : SJ/JU
 Sample : I4672-03DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG5DL

Quant Time: Aug 17 03:07:13 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

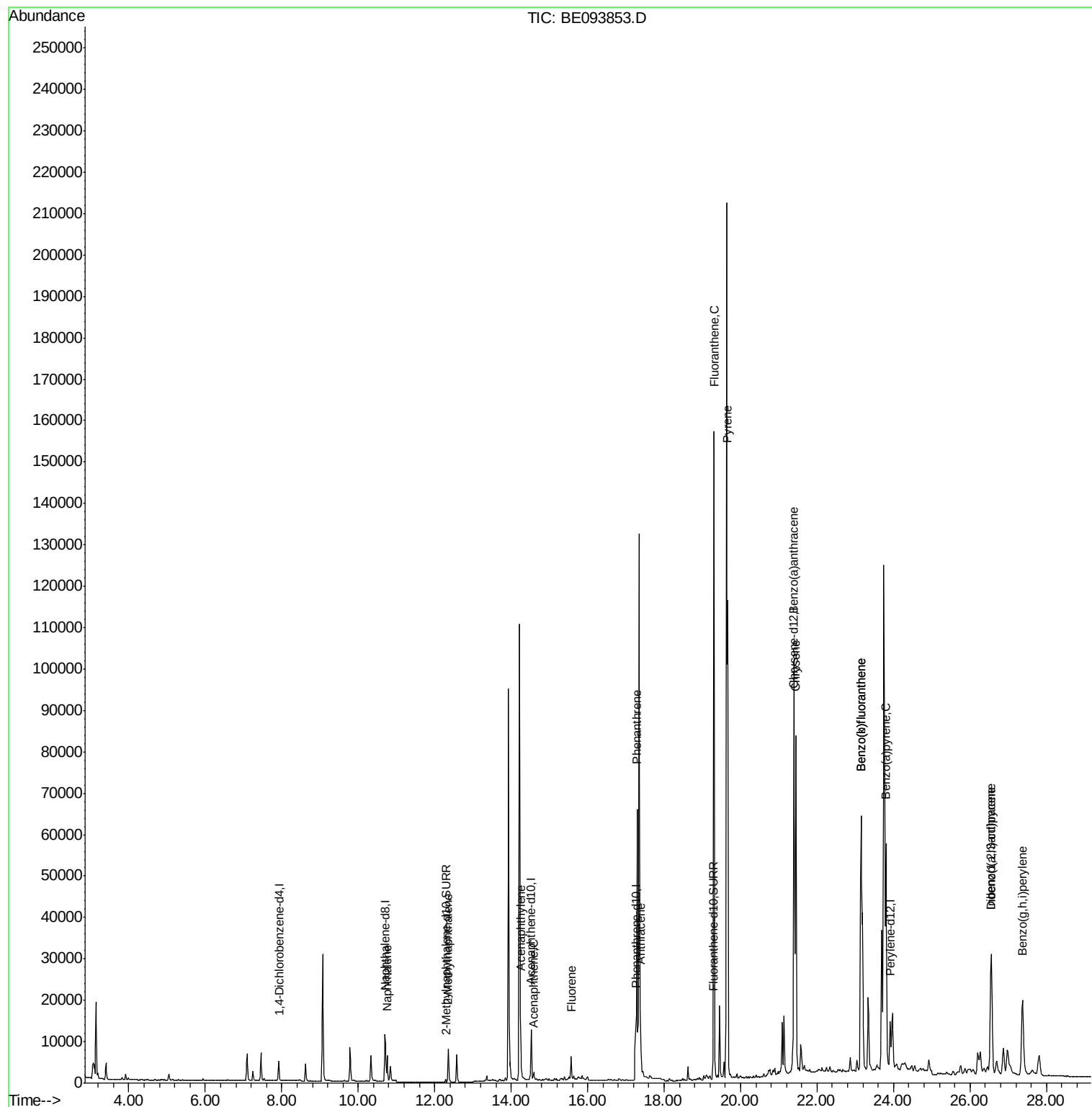
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2474	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12749	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	7431	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16493	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	18190	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	16069	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	935	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2498	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	9555	0.308	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	7167	0.317	ng/ul	99
7) Acenaphthylene	14.25	152	10483	0.337	ng/ul	97
8) Acenaphthene	14.59	153	1159	0.047	ng/ul	96
9) Fluorene	15.57	166	3645	0.118	ng/ul	91
12) Phenanthrene	17.29	178	71790	1.598	ng/ul#	90
13) Anthracene	17.38	178	16033	0.366	ng/ul#	91
15) Fluoranthene	19.30	202	174487	3.106	ng/ul	84
17) Pyrene	19.66	202	149276	2.811	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	88234	1.673	ng/ul#	84
19) Chrysene	21.45	228	83670	1.654	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	165398	3.327	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	165398	3.374	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	82425	1.743	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.55	276	54994	1.054	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	13421	0.308	ng/ul	96
26) Benzo(a,h,i)perylene	27.38	276	44981	1.023	ng/ul	99

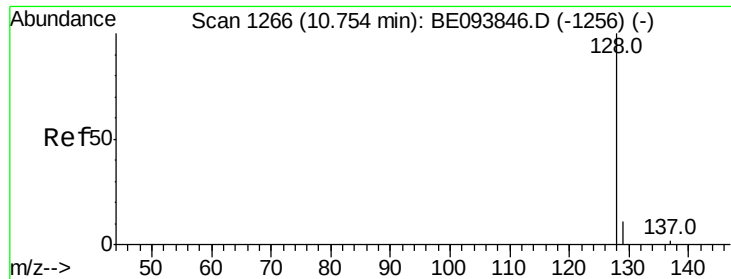
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.308 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

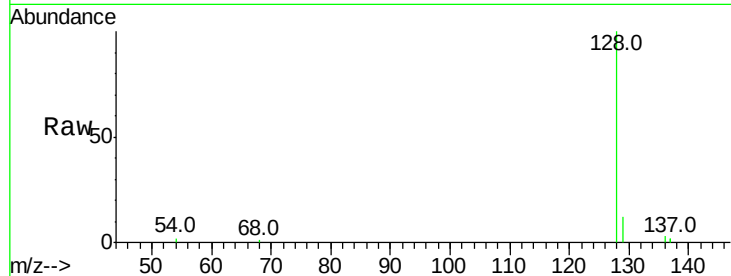
Tot Ion:128 Resp: 9555

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

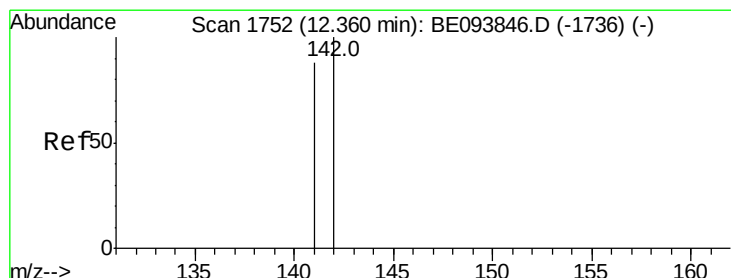
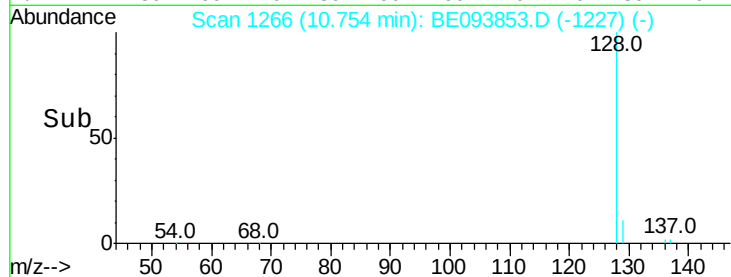
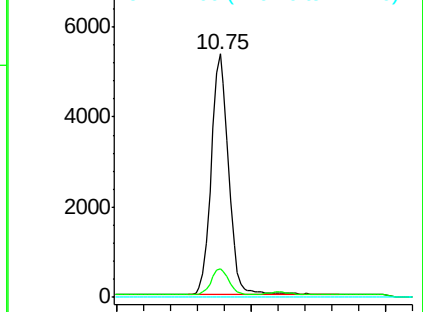
127 0.0 4.0 6.0#



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: 0.317 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093853.D

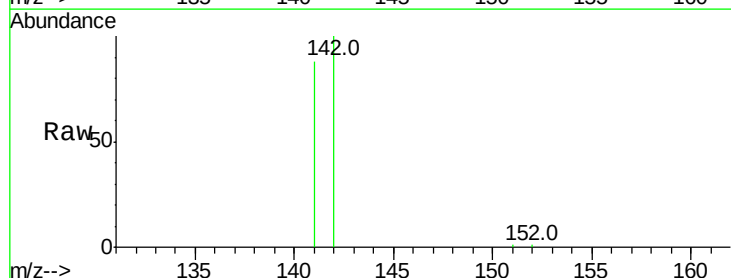
Acq: 16 Aug 2017 23:08

Tgt Ion:142 Resp: 7167

Ion Ratio Lower Upper

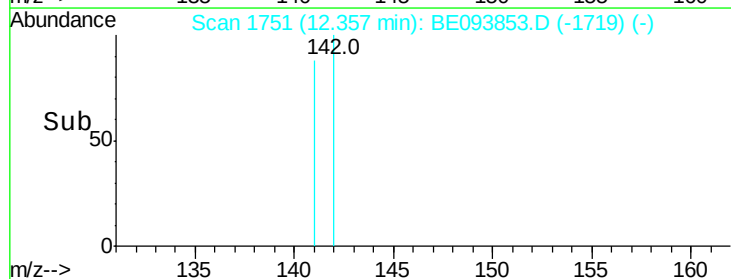
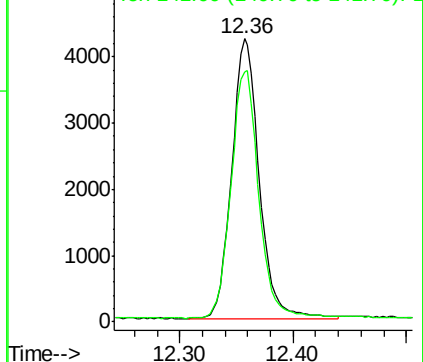
142 100

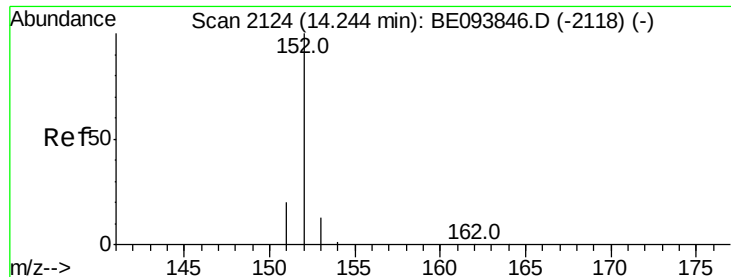
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.337 ng/ul

RT: 14.25 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

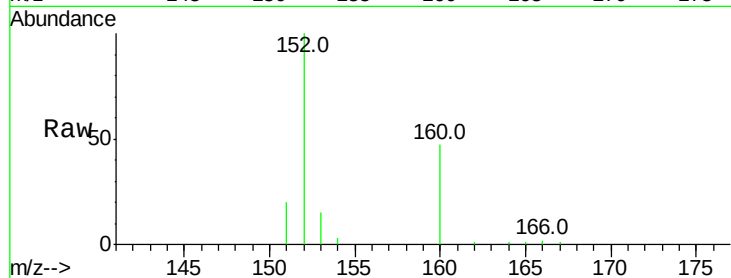
Tot Ion:152 Resp: 10483

Ion Ratio Lower Upper

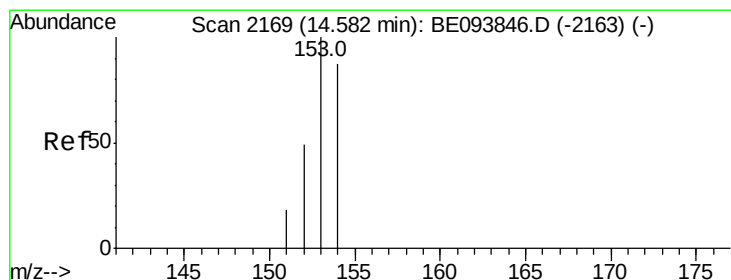
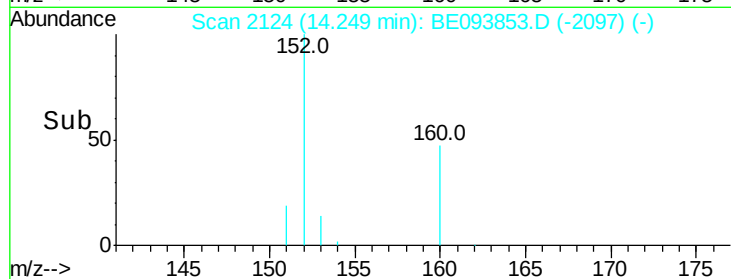
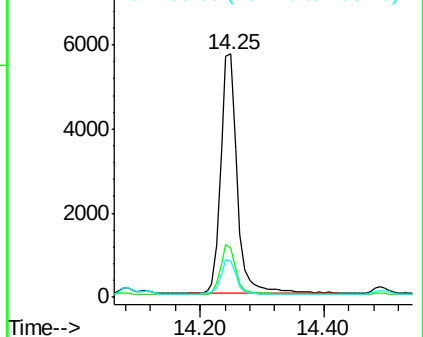
152 100

151 20.0 17.1 25.7

153 15.1 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: 0.047 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

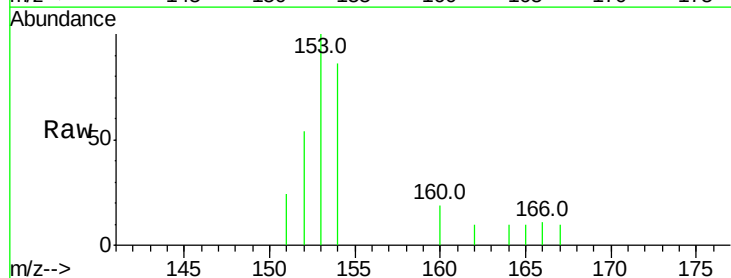
Tgt Ion:153 Resp: 1159

Ion Ratio Lower Upper

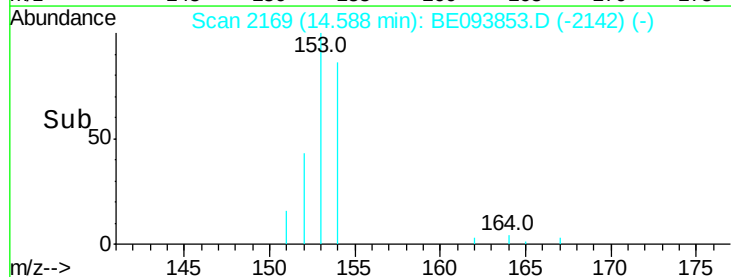
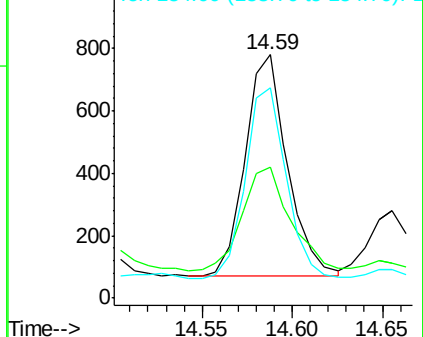
153 100

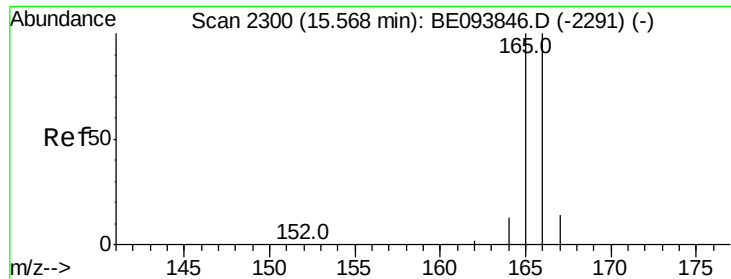
152 53.9 40.3 60.5

154 86.2 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: 0.118 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

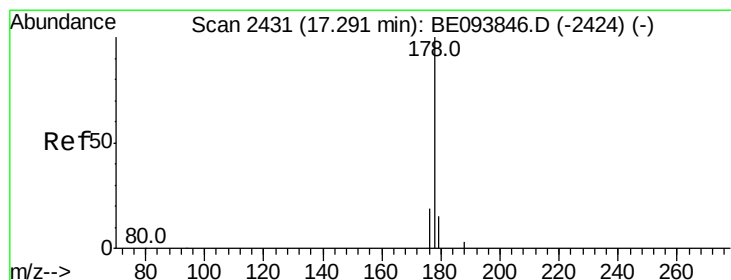
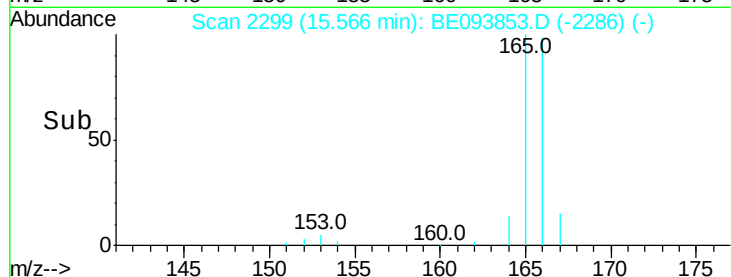
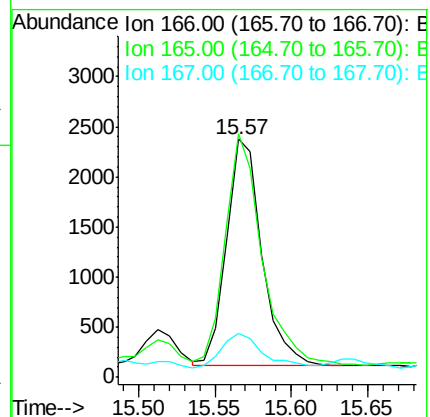
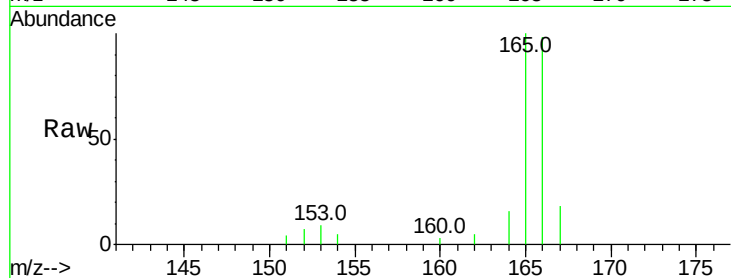
Tot Ion:166 Resp: 3645

Ion Ratio Lower Upper

166 100

165 102.3 73.4 110.2

167 18.3 14.6 22.0



#12

Phenanthrene

Concen: 1.598 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

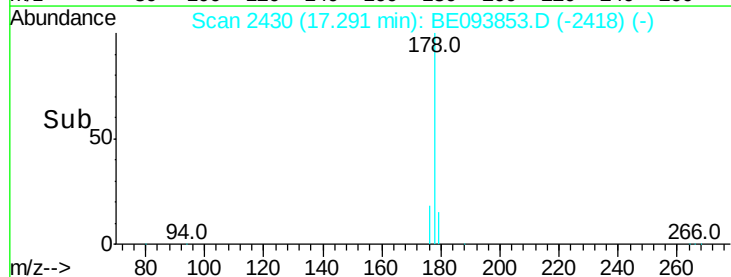
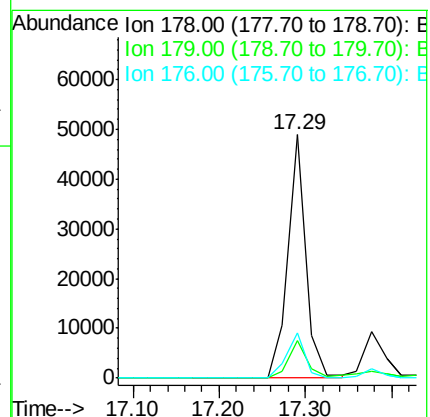
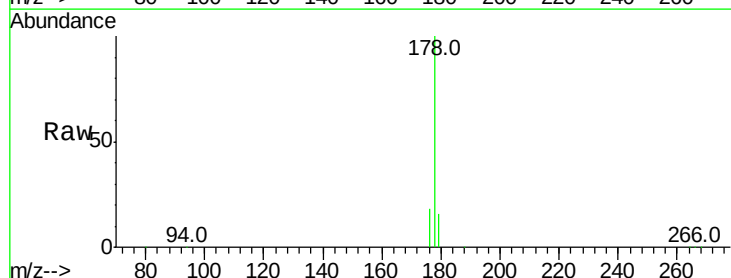
Tgt Ion:178 Resp: 71790

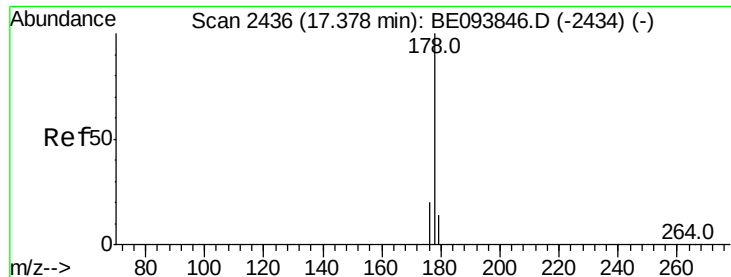
Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 18.4 13.6 20.4





#13

Anthracene

Concen: 0.366 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

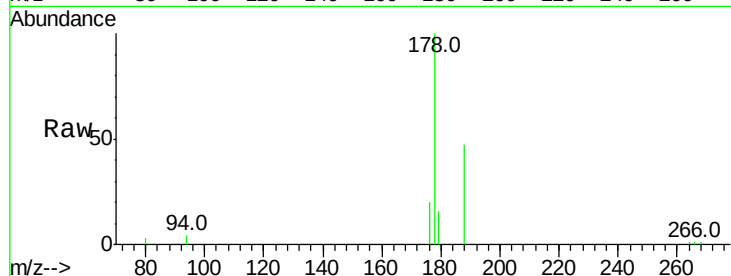
Tot Ion:178 Resp: 16033

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

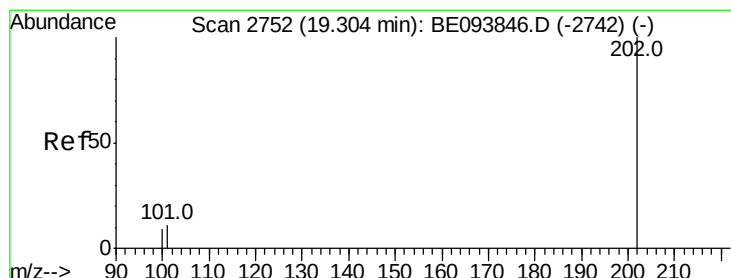
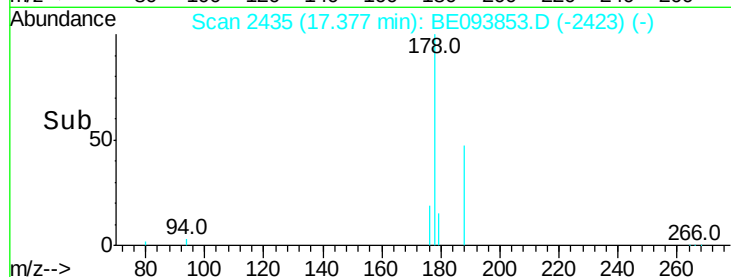
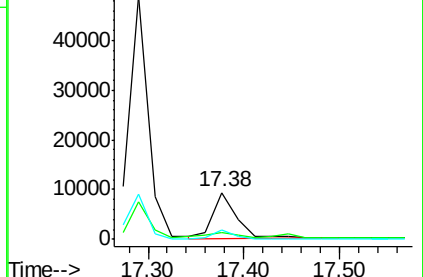
176 19.8 14.7 22.1



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: 3.106 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

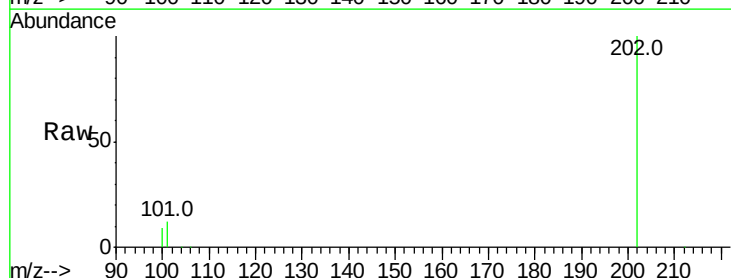
Tgt Ion:202 Resp: 174487

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

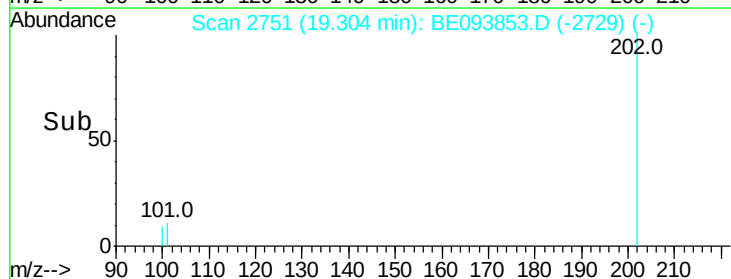
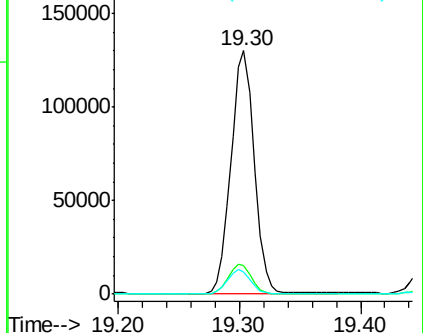
100 9.1 0.0 39.5

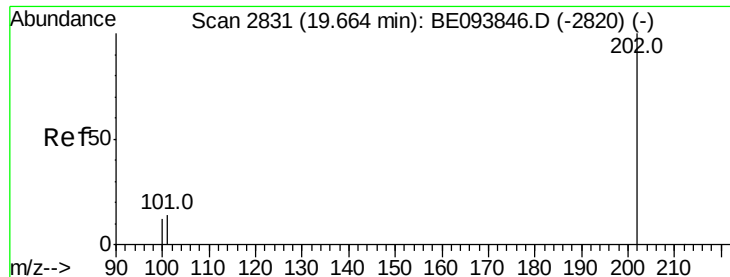


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 2.811 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

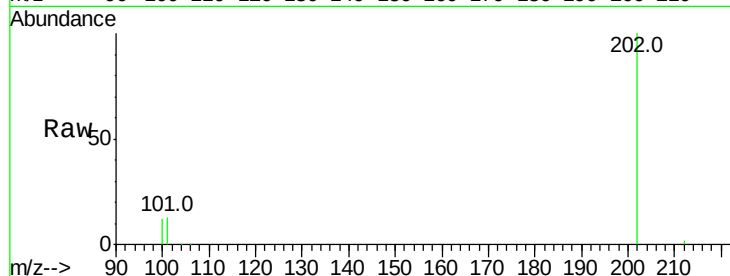
Tot Ion:202 Resp: 149276

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

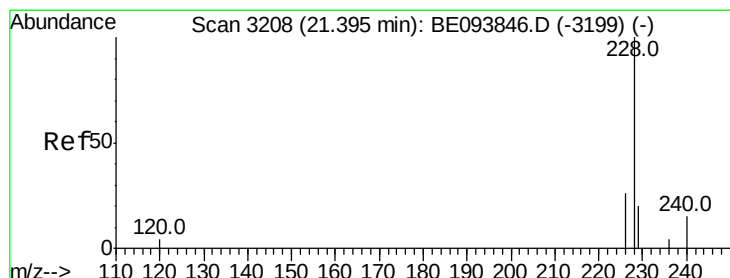
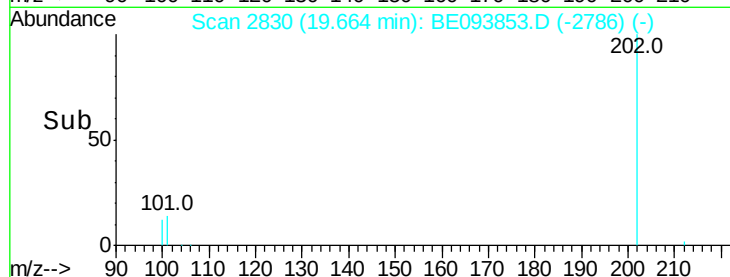
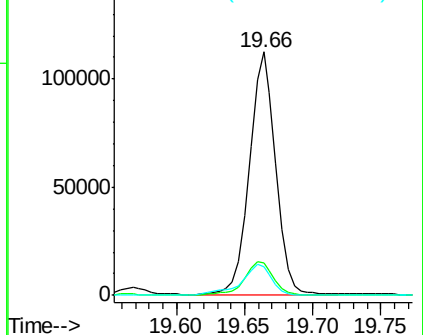
100 11.5 15.6 23.4#



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: 1.673 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

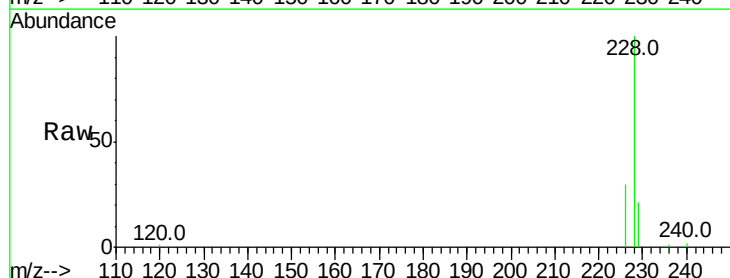
Tgt Ion:228 Resp: 88234

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

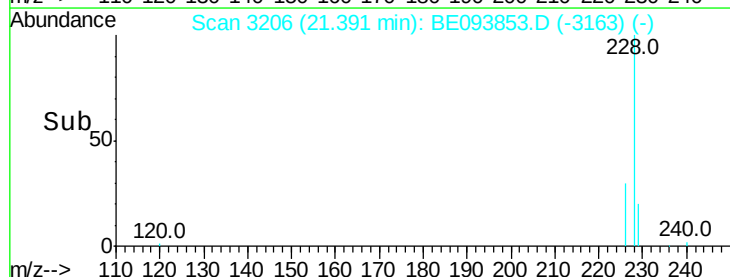
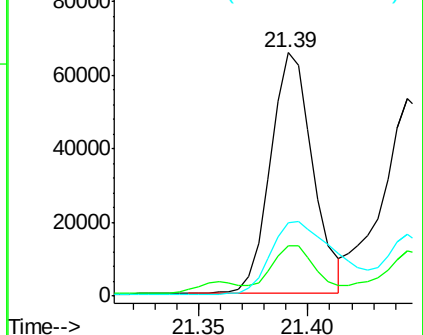
226 30.3 17.0 25.6#

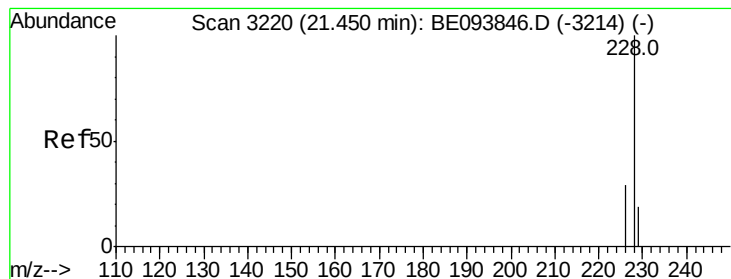


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.654 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

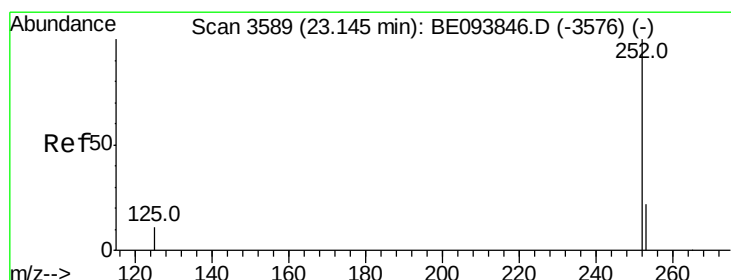
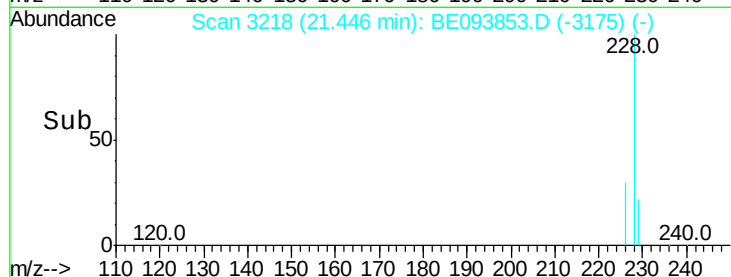
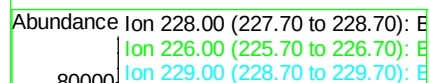
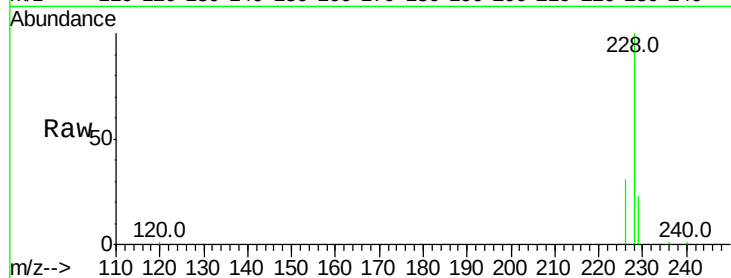
Tot Ion:228 Resp: 83670

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 22.6 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 3.327 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

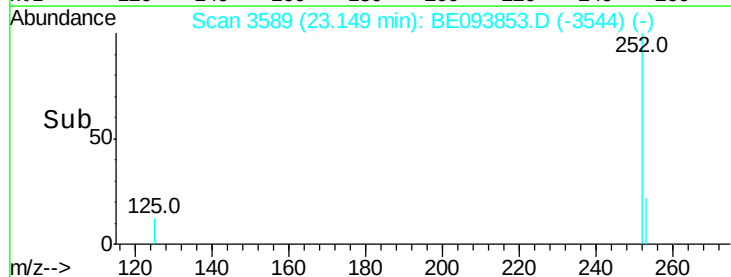
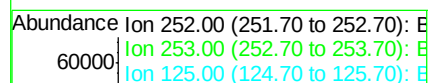
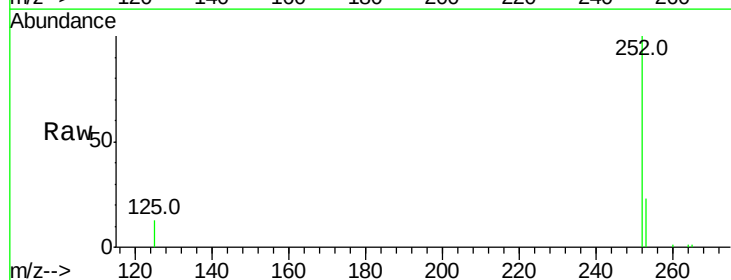
Tgt Ion:252 Resp: 165398

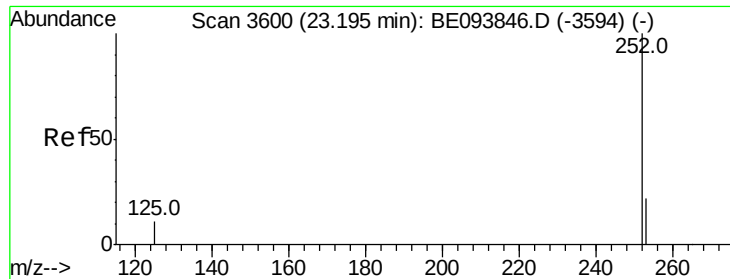
Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 13.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 3.374 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL

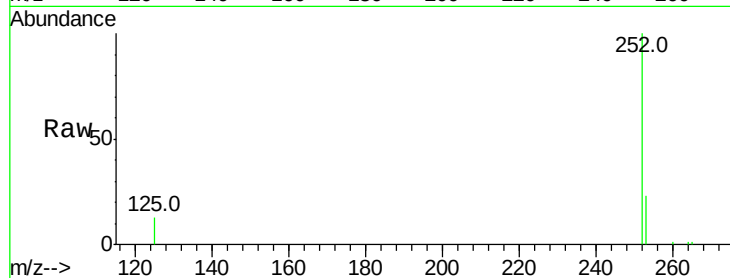
Tot Ion:252 Resp: 165398

Ion Ratio Lower Upper

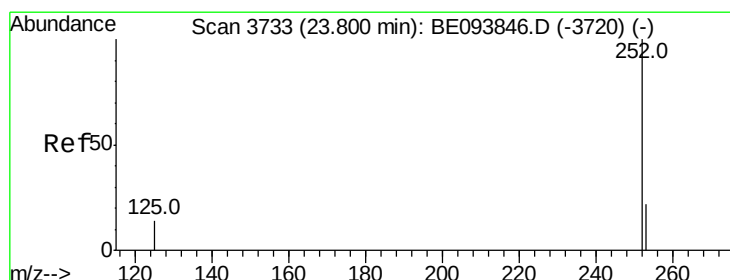
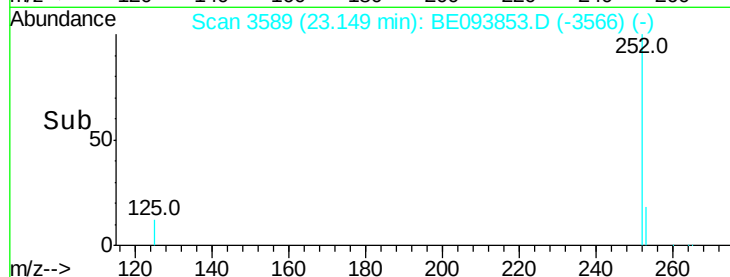
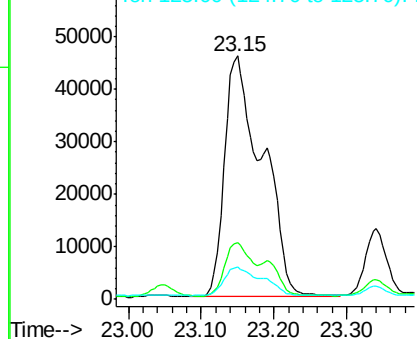
252 100

253 23.3 24.5 36.7#

125 13.2 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: 1.743 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. 0.00 min

Lab File: BE093853.D

Acq: 16 Aug 2017 23:08

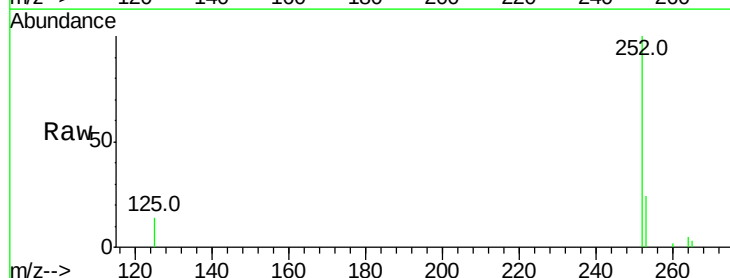
Tgt Ion:252 Resp: 82425

Ion Ratio Lower Upper

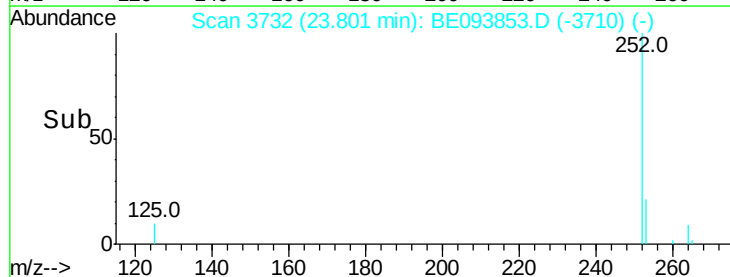
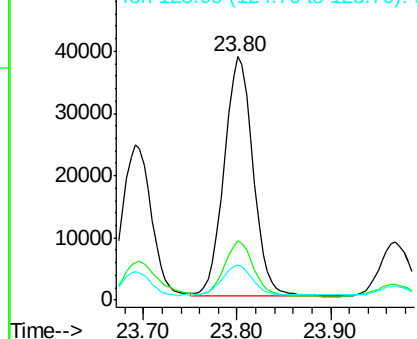
252 100

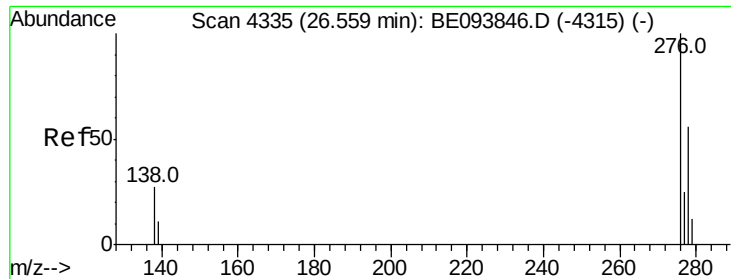
253 24.2 28.5 42.7#

125 14.3 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



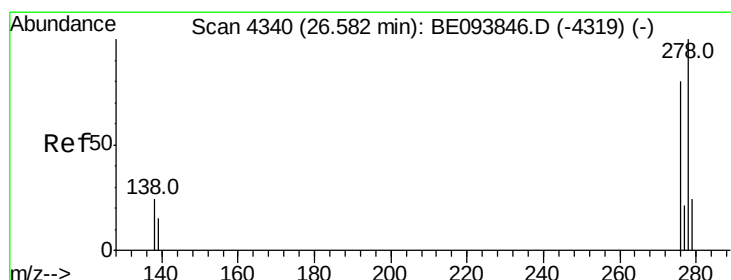
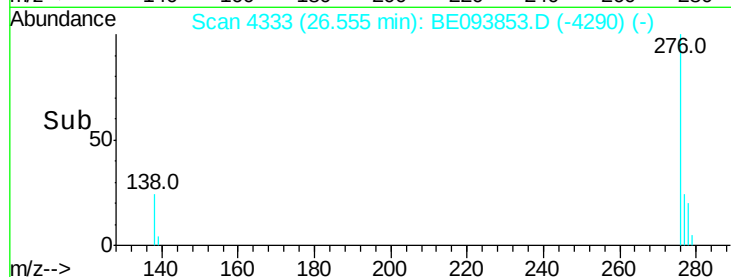
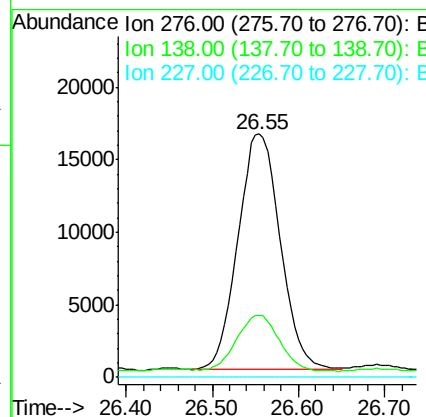
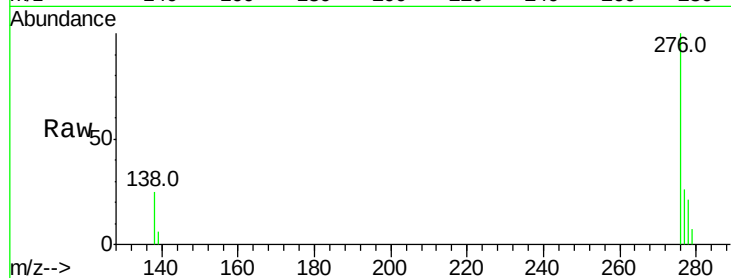


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.054 ng/ul
RT: 26.55 min Scan# 4335
Delta R.T. -0.00 min
Lab File: BE093853.D
Acq: 16 Aug 2017 23:08

Instrument :
BNA_E
ClientSampleId :
C0AG5DL

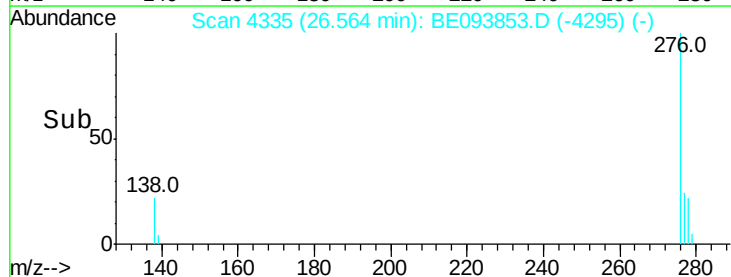
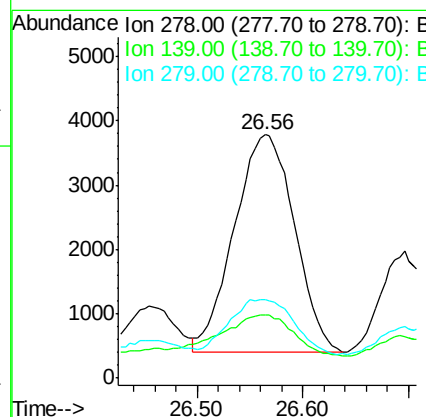
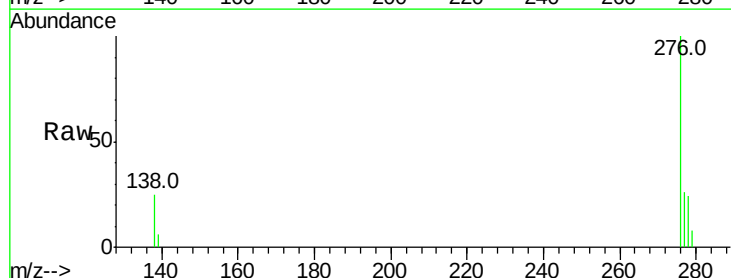
Tot Ion:276 Resp: 54994
Ion Ratio Lower Upper
276 100
138 24.1 28.0 42.0#
227 0.0 8.0 12.0#

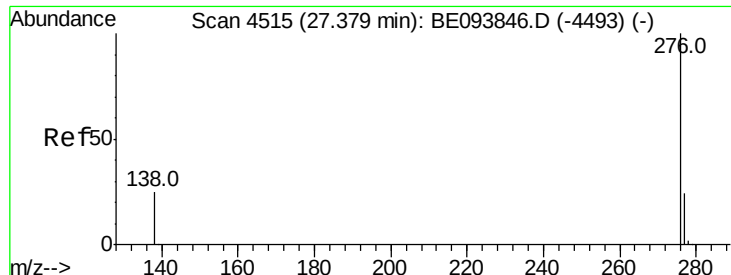


#25

Dibenzo(a,h)anthracene
Concen: 0.308 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.02 min
Lab File: BE093853.D
Acq: 16 Aug 2017 23:08

Tgt Ion:278 Resp: 13421
Ion Ratio Lower Upper
278 100
139 26.0 17.4 26.0
279 32.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.023 ng/ul

RT: 27.38 min Scan# 4513

Delta R.T. -0.00 min

Lab File: BE093853.D

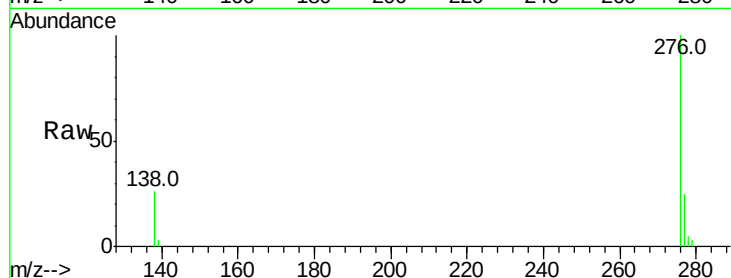
Acq: 16 Aug 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AG5DL



Tot Ion:276 Resp: 44981

Ion Ratio Lower Upper

276 100

138 26.3 21.8 32.8

277 25.3 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

