

Data File : BE093321.D
Acq On : 21 Jun 2017 18:32
Operator : SJ/JU
Sample : I3625-20DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A02DL

Quant Time: Jun 22 02:12:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 22 02:10:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1623	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9012	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5605	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13671	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	13999	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12735	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	359	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	906	0.02	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	606	0.03	ng/ul#	81
7) Acenaphthylene	14.08	152	1271	0.05	ng/ul	95
8) Acenaphthene	14.42	153	201	0.01	ng/ul#	89
9) Fluorene	15.41	166	232	0.01	ng/ul#	82
12) Phenanthrene	17.13	178	2813	0.07	ng/ul#	91
13) Anthracene	17.13	178	2803	0.09	ng/ul	93
15) Fluoranthene	19.15	202	10501	0.23	ng/ul	83
17) Pyrene	19.51	202	14137	0.34	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	7289	0.20	ng/ul#	85
19) Chrysene	21.29	228	9070	0.23	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	19173	0.50	ng/ul	90
22) Benzo(k)fluoranthene	22.93	252	19173	0.47	ng/ul#	92
23) Benzo(a)pyrene	23.55	252	7629	0.21	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.17	276	4874	0.12	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.19	278	1369	0.04	ng/ul#	61
26) Benzo(g,h,i)perylene	26.95	276	3330	0.09	ng/ul#	92

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

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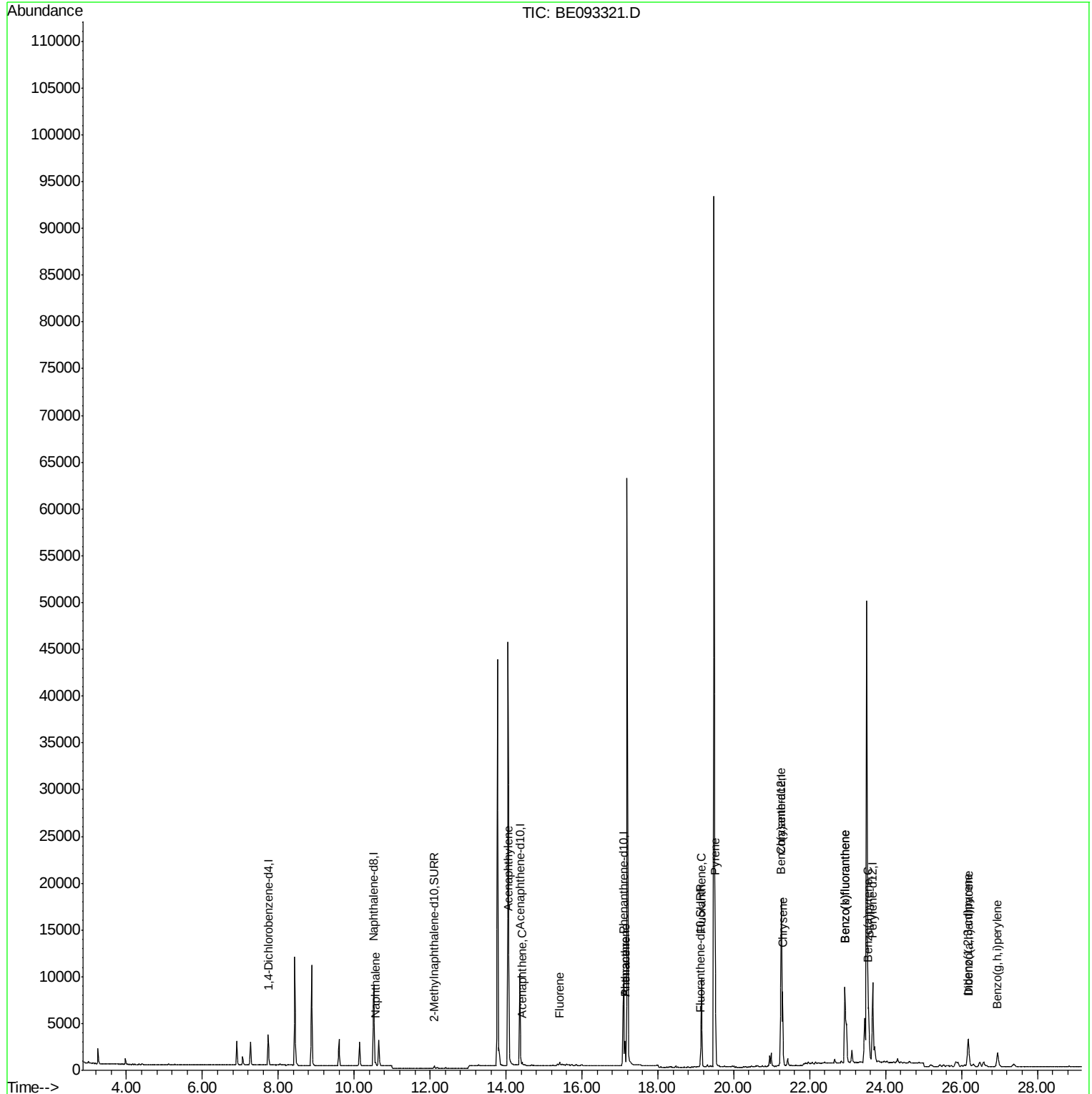
Quant Time: Jun 22 02:12:49 2017

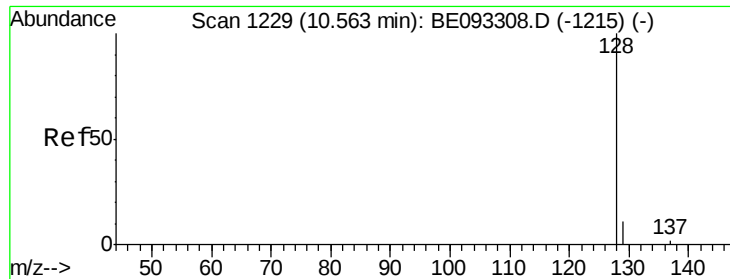
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 22 02:10:17 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

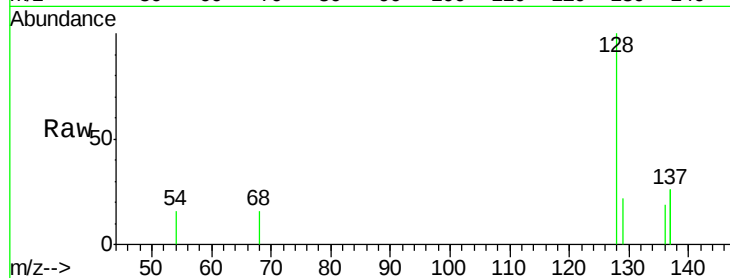
Tgt Ion:128 Resp: 606

Ion Ratio Lower Upper

128 100

129 22.4 11.3 16.9#

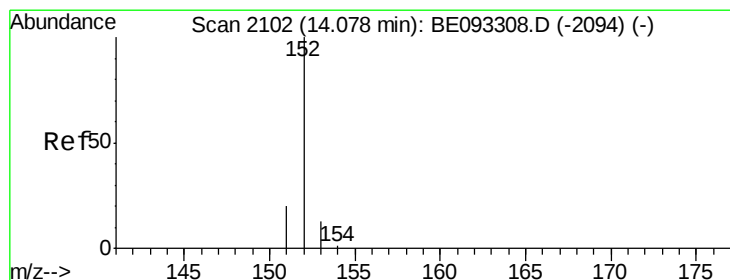
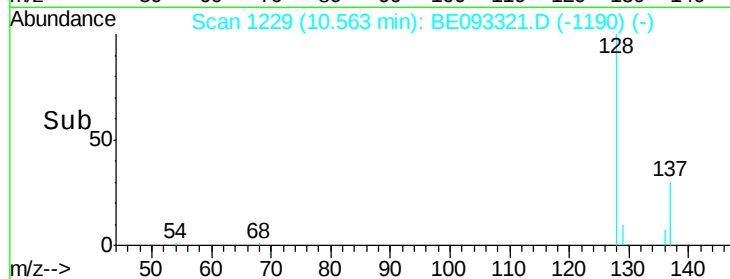
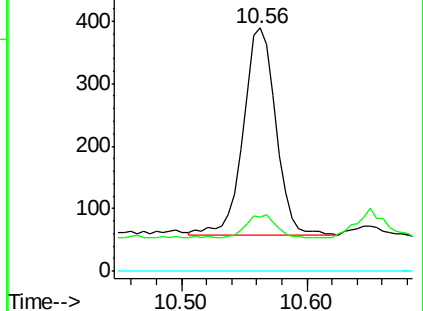
127 0.0 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

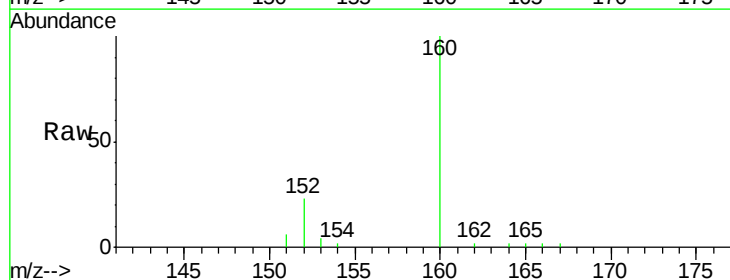
Tgt Ion:152 Resp: 1271

Ion Ratio Lower Upper

152 100

151 25.1 17.1 25.7

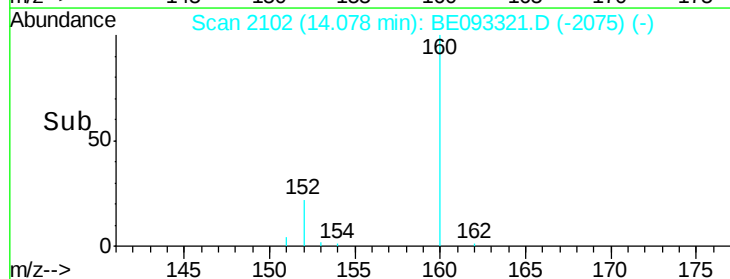
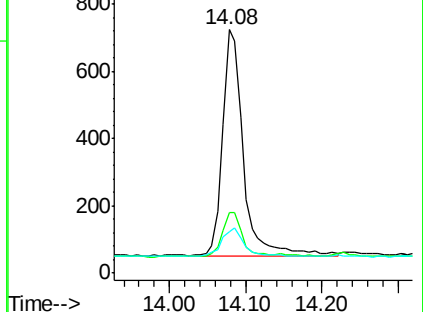
153 16.8 12.8 19.2

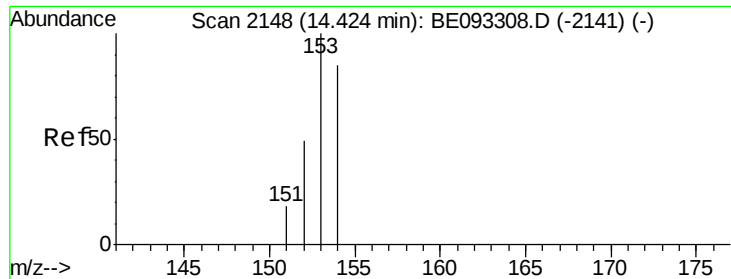


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

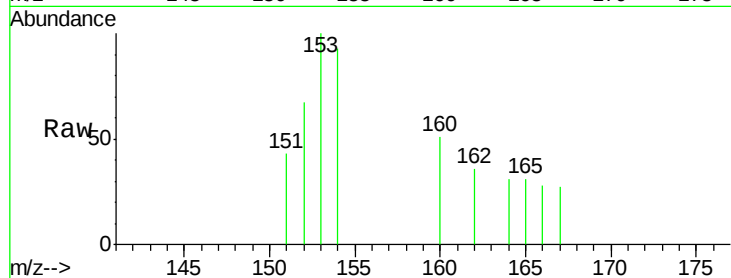
Tgt Ion:153 Resp: 201

Ion Ratio Lower Upper

153 100

152 66.7 40.3 60.5#

154 93.2 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

14.42

150

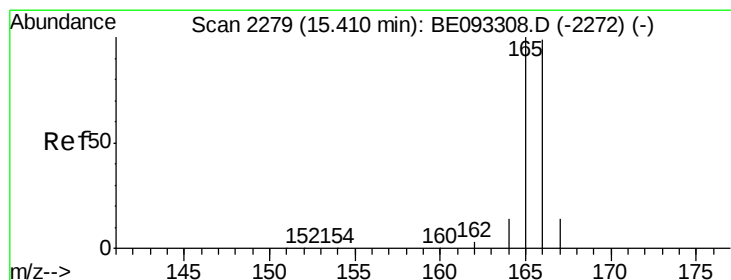
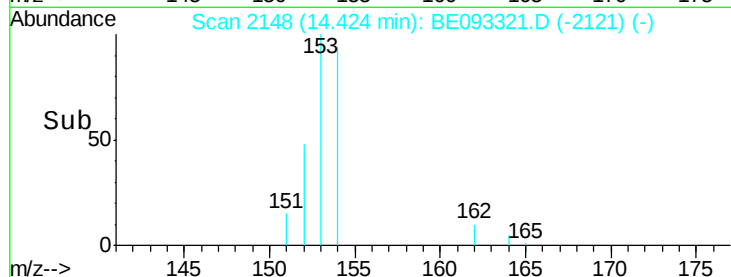
100

50

0

14.40 14.45

Time-->



#9

Fluorene

Concen: 0.01 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

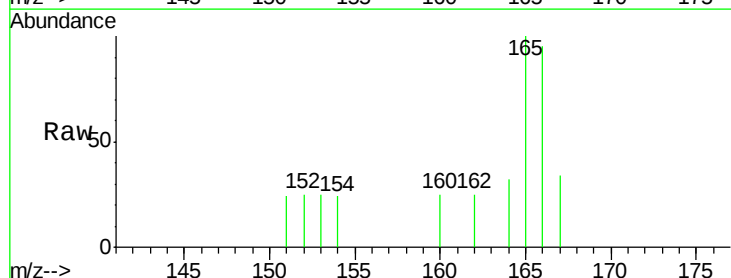
Tgt Ion:166 Resp: 232

Ion Ratio Lower Upper

166 100

165 104.9 73.4 110.2

167 35.9 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.41

300

250

200

150

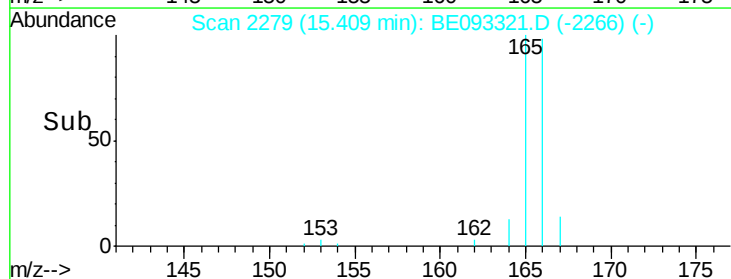
100

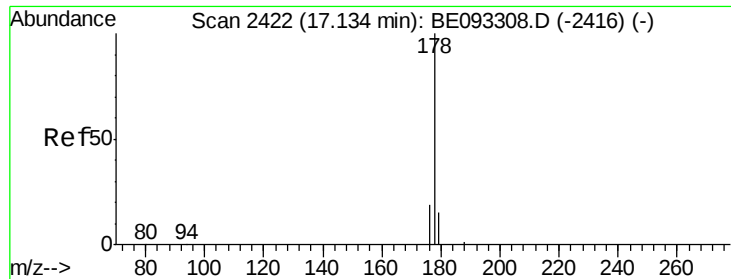
50

0

15.35 15.40 15.45

Time-->





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

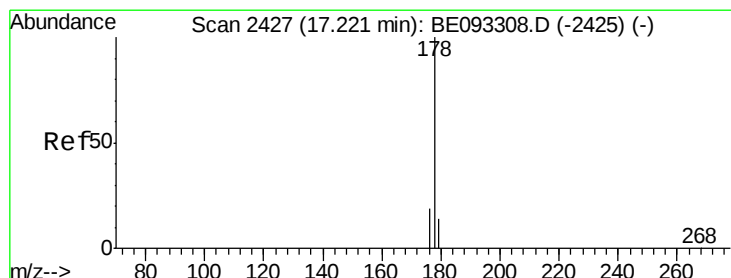
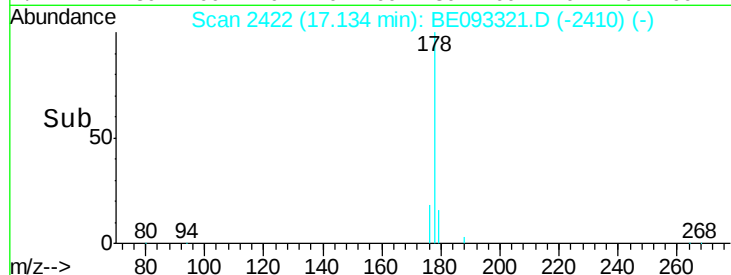
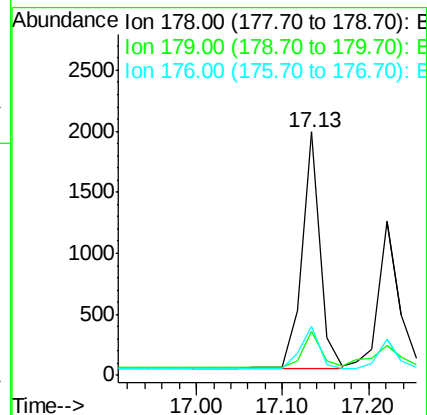
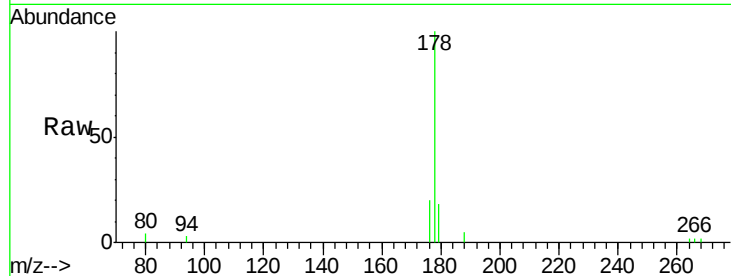
Tgt Ion:178 Resp: 2813

Ion Ratio Lower Upper

178 100

179 18.2 18.4 27.6#

176 20.1 13.6 20.4



#13

Anthracene

Concen: 0.09 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.09 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

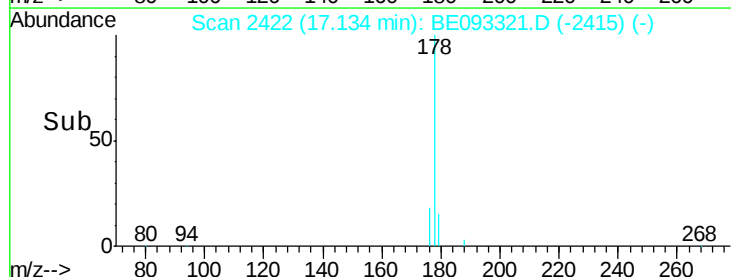
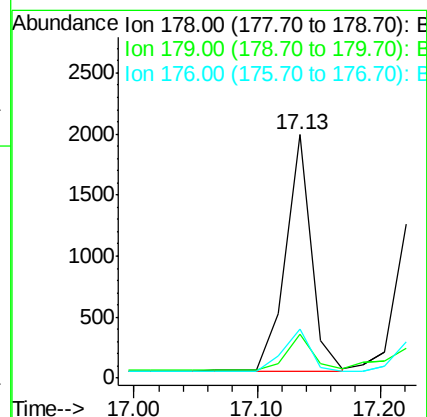
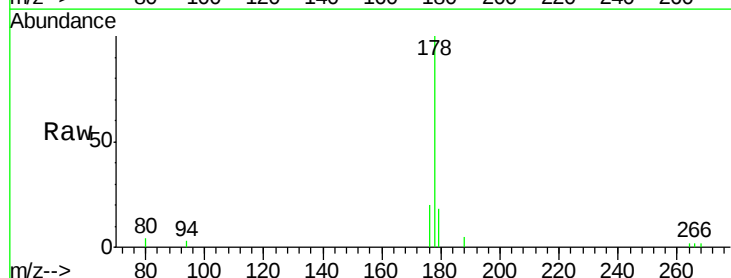
Tgt Ion:178 Resp: 2803

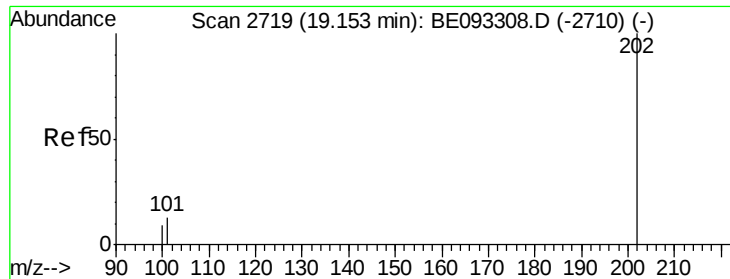
Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

176 20.1 14.7 22.1





#15

Fluoranthene

Concen: 0.23 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

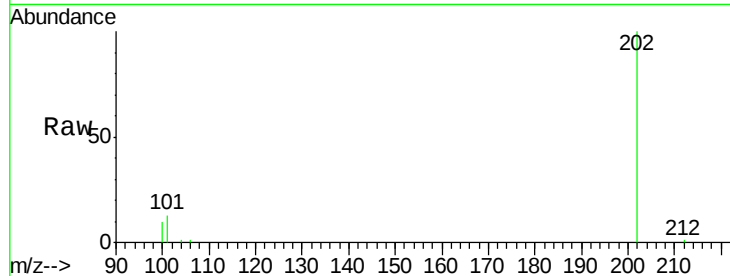
Tgt Ion:202 Resp: 10501

Ion Ratio Lower Upper

202 100

101 13.1 0.0 30.3

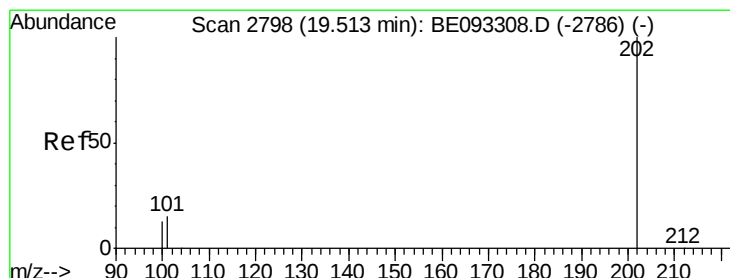
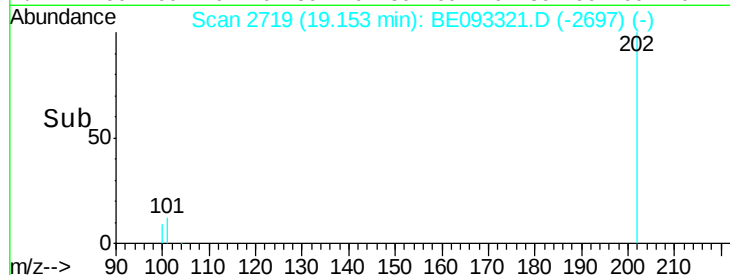
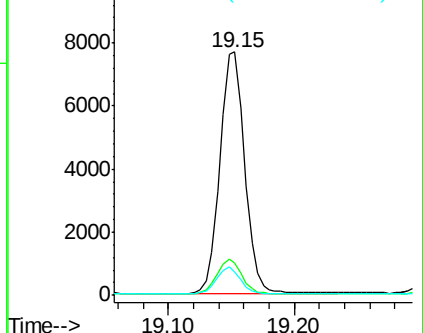
100 9.5 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.34 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

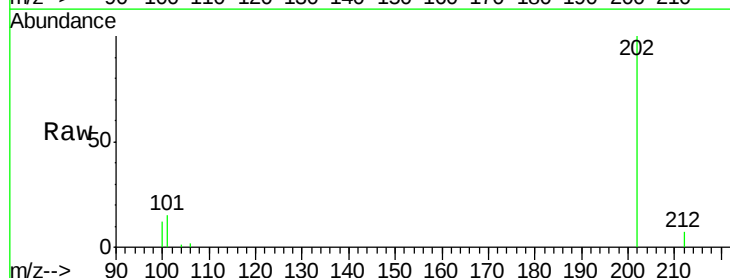
Tgt Ion:202 Resp: 14137

Ion Ratio Lower Upper

202 100

101 15.0 18.2 27.4#

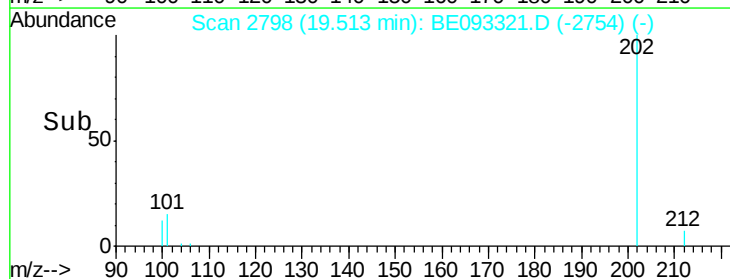
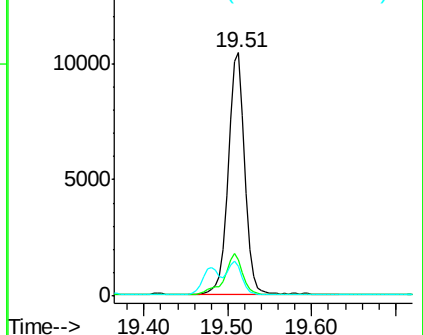
100 12.1 15.6 23.4#

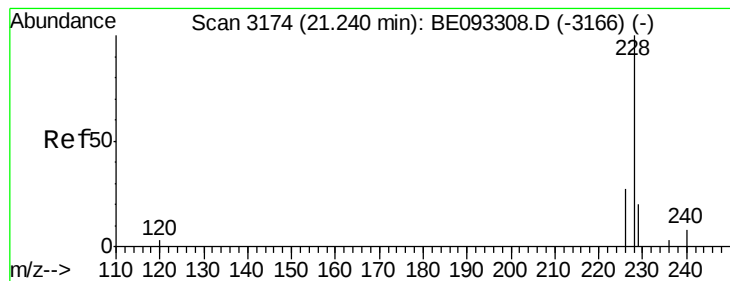


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

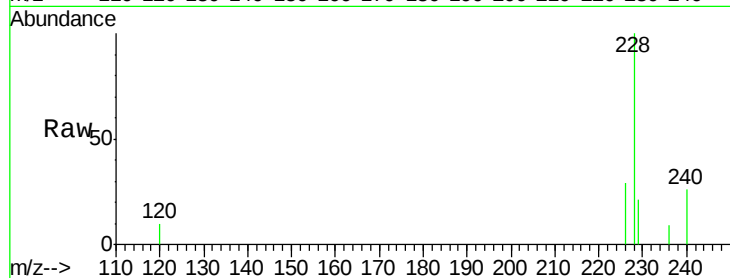
Tgt Ion:228 Resp: 7289

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

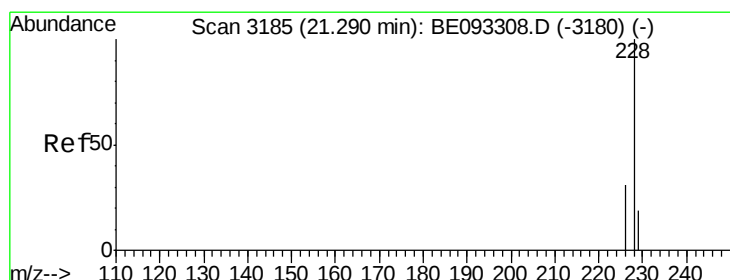
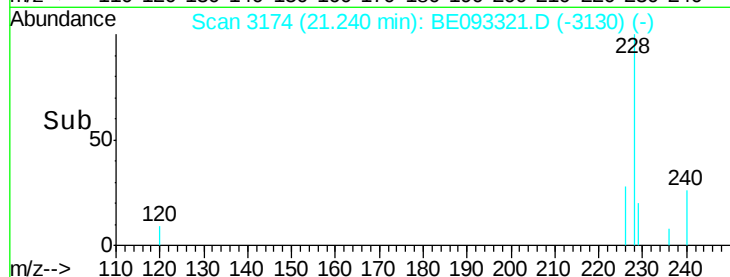
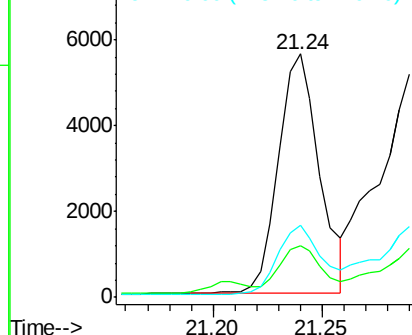
226 29.4 17.0 25.6#



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: 0.23 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

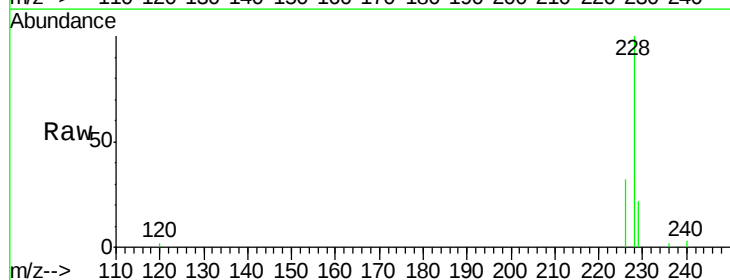
Tgt Ion:228 Resp: 9070

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.0

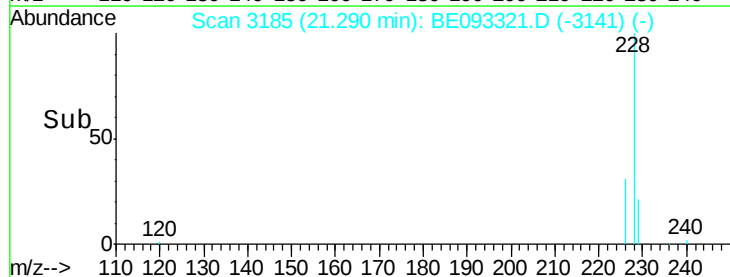
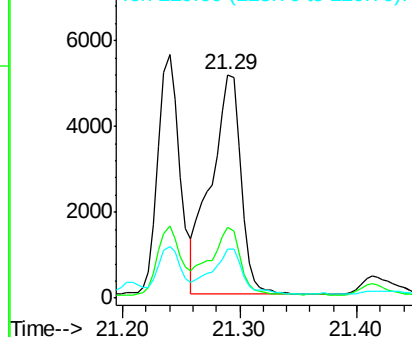
229 22.1 17.7 26.5

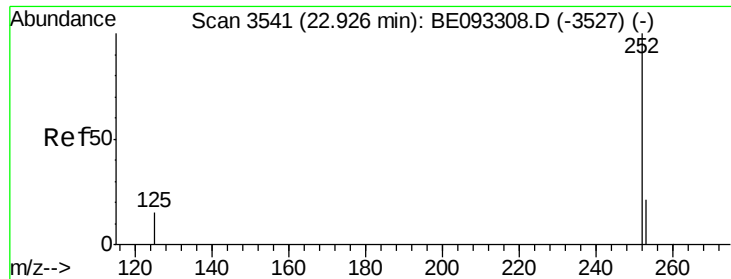


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.50 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

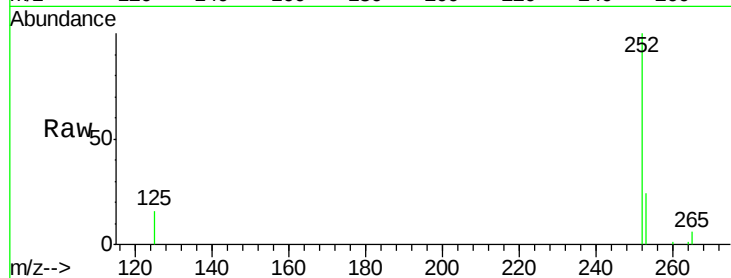
Tgt Ion:252 Resp: 19173

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

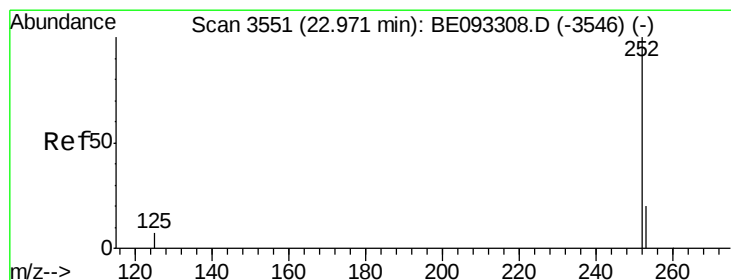
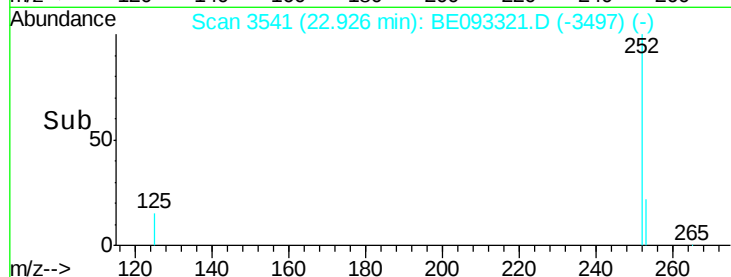
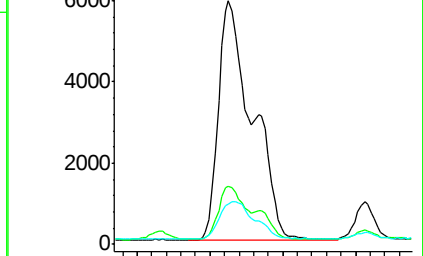
125 16.5 0.0 35.0



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: 0.47 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.05 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

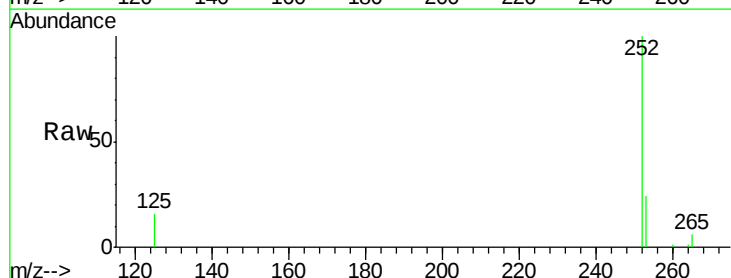
Tgt Ion:252 Resp: 19173

Ion Ratio Lower Upper

252 100

253 24.0 24.5 36.7#

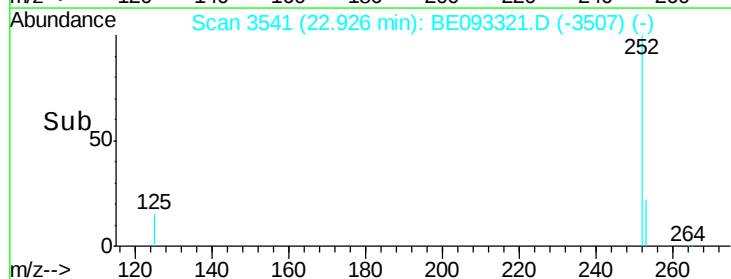
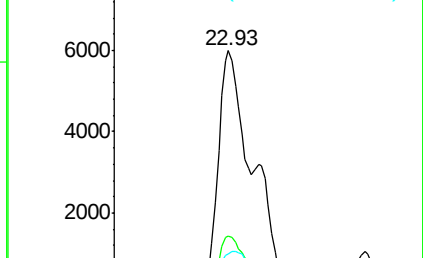
125 16.5 13.7 20.5

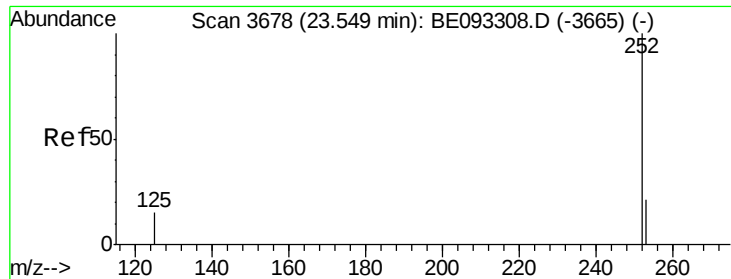


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.21 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

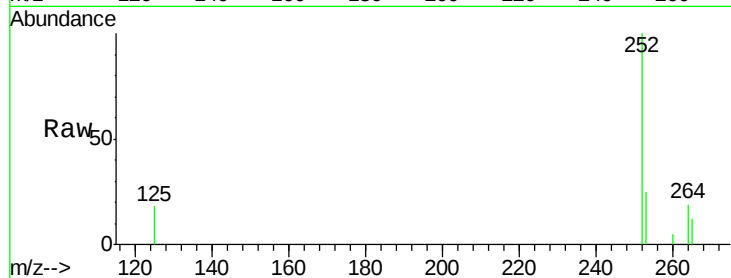
Tgt Ion:252 Resp: 7629

Ion Ratio Lower Upper

252 100

253 24.9 28.5 42.7#

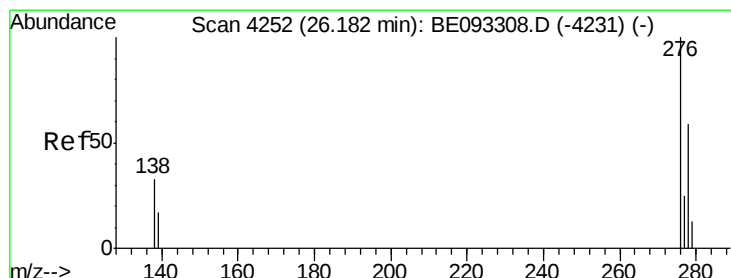
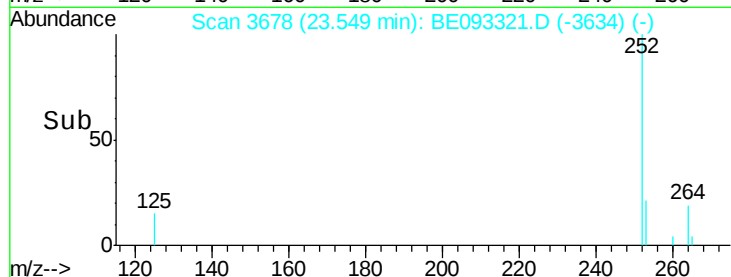
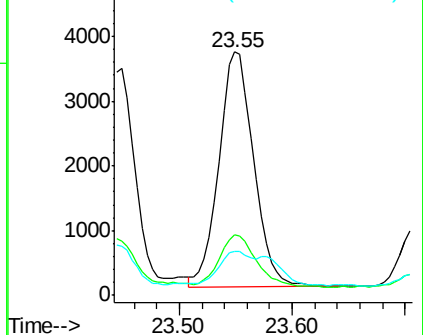
125 18.3 18.1 27.1



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: 0.12 ng/ul

RT: 26.17 min Scan# 4250

Delta R.T. -0.01 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

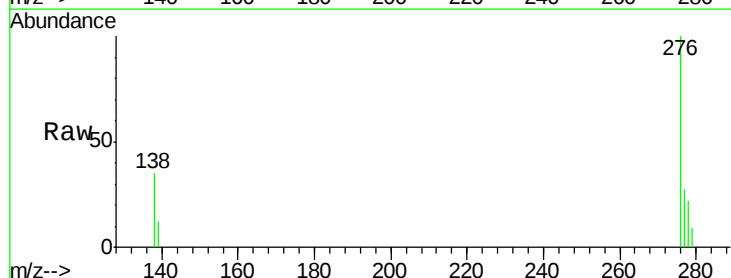
Tgt Ion:276 Resp: 4874

Ion Ratio Lower Upper

276 100

138 31.2 28.0 42.0

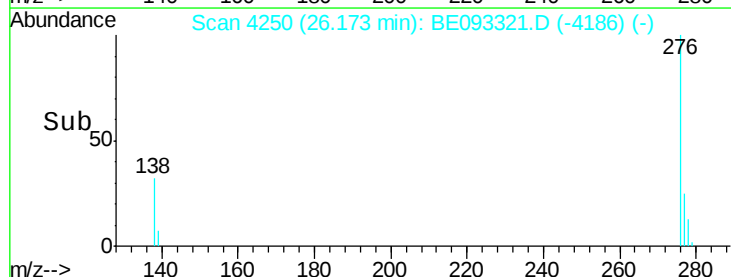
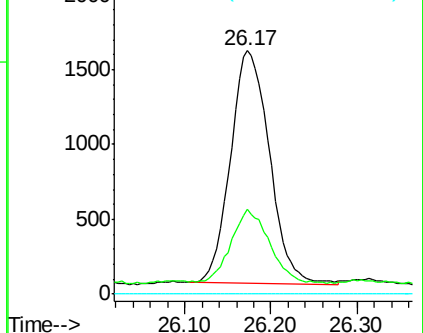
227 0.0 8.0 12.0#

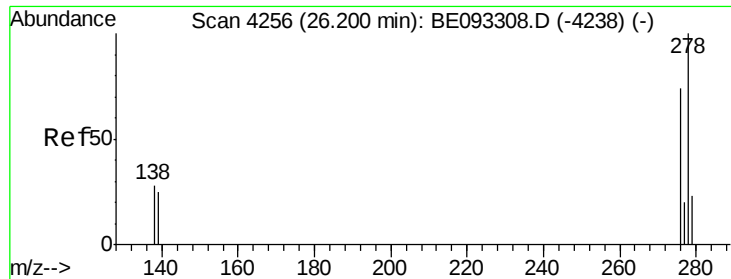


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

Instrument :

BNA_E

ClientSampleId :

F5A02DL

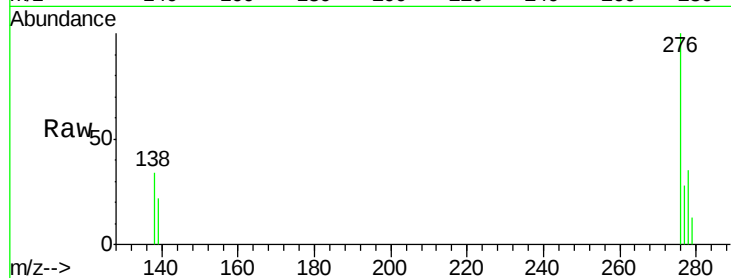
Tgt Ion:278 Resp: 1369

Ion Ratio Lower Upper

278 100

139 61.8 17.4 26.0#

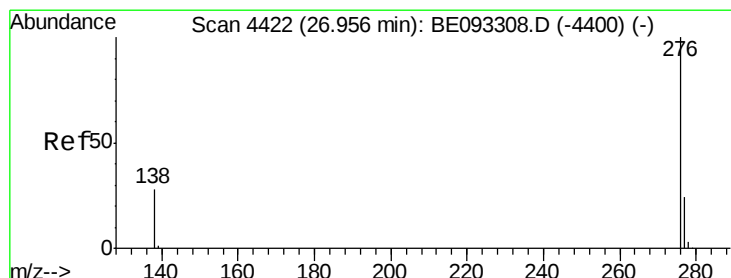
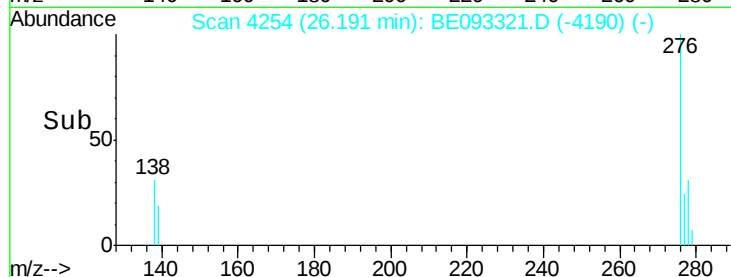
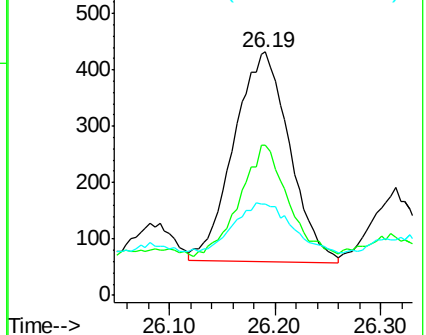
279 37.5 25.9 38.9



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(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.01 min

Lab File: BE093321.D

Acq: 21 Jun 2017 18:32

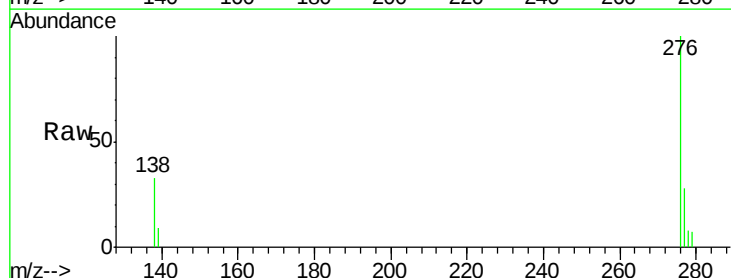
Tgt Ion:276 Resp: 3330

Ion Ratio Lower Upper

276 100

138 33.3 21.8 32.8#

277 28.0 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

