

Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	10658	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6299	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	15649	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16586	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14450	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	743	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2087	0.05	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	24018	0.91	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4945	0.27	ng/ul	99
7) Acenaphthylene	14.09	152	35718	1.32	ng/ul	96
8) Acenaphthene	14.42	153	7159	0.33	ng/ul	96
9) Fluorene	15.42	166	7317	0.29	ng/ul	96
12) Phenanthrene	17.14	178	77954	1.81	ng/ul#	90
13) Anthracene	17.22	178	590647	15.76	ng/ul#	88
15) Fluoranthene	19.16	202	1419499	26.88	ng/ul	83
17) Pyrene	19.52	202	1446524	29.57	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	748096	16.91	ng/ul#	84
19) Chrysene	21.30	228	828744	18.06	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1250870	28.52	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	77195	1.66	ng/ul	94
23) Benzo(a)pyrene	23.56	252	436919	10.54	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.19	276	241304	5.03	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.09	278	5456	0.13	ng/ul	95
26) Benzo(g,h,i)perylene	26.96	276	135491	3.29	ng/ul	96

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

Data File : BE093303.D

Acq On : 21 Jun 2017 4:25

Operator : SJ/JU

Sample : I3599-06DL 5X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A87DL

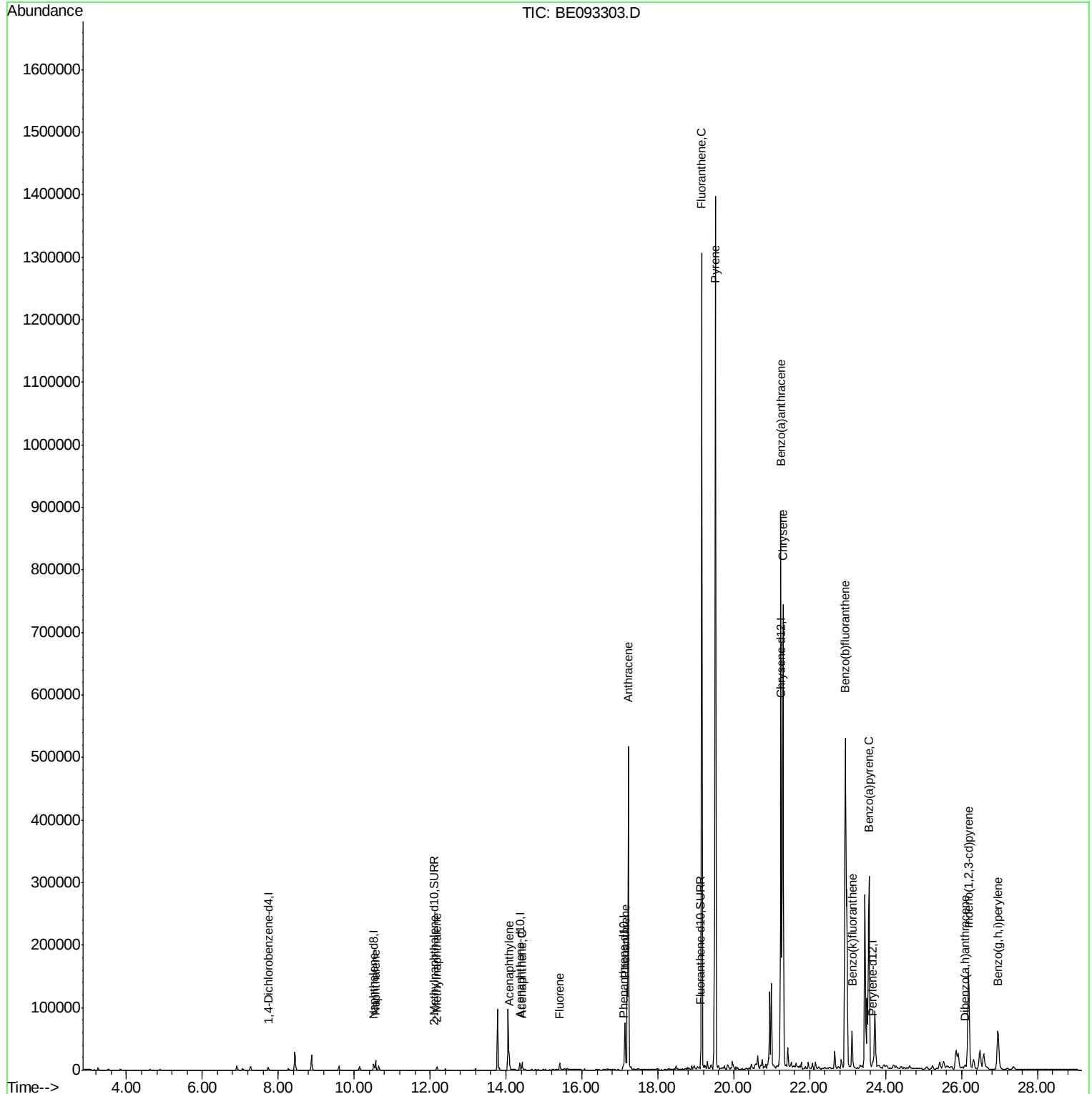
Quant Time: Jun 21 05:06:59 2017

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 03:23:49 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.91 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

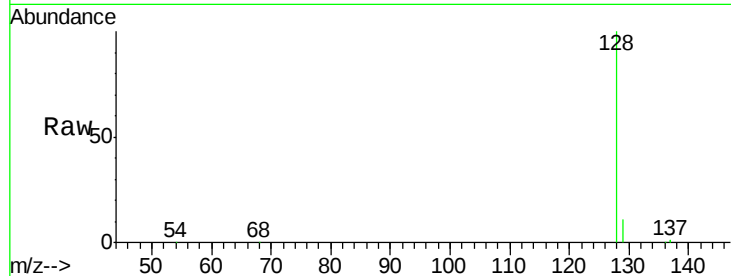
Tgt Ion:128 Resp: 24018

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

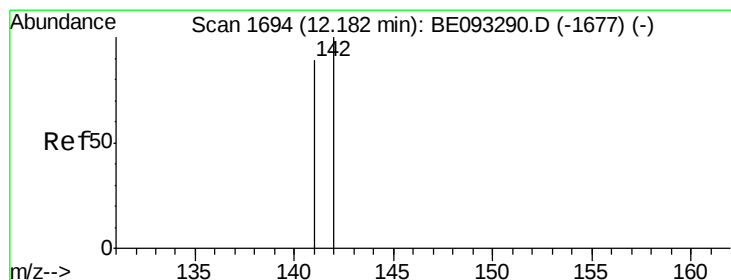
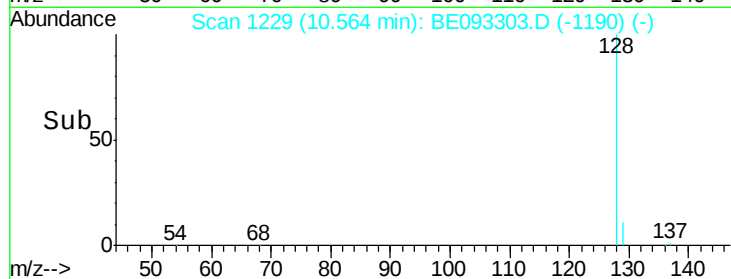
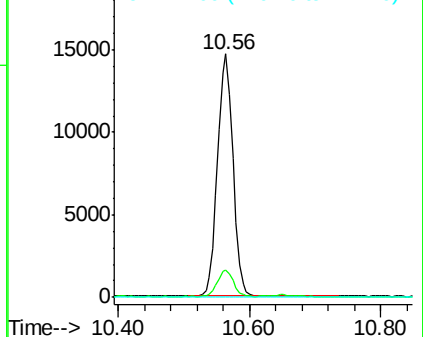
127 0.0 4.0 6.0#



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: 0.27 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093303.D

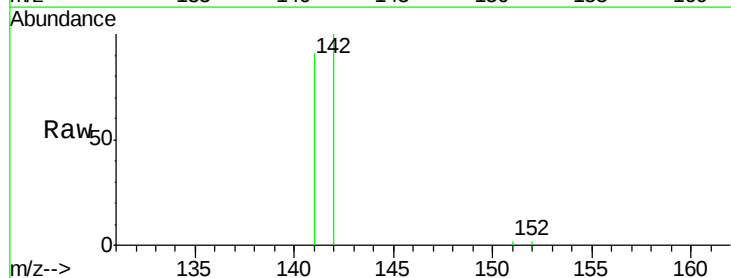
Acq: 21 Jun 2017 4:25

Tgt Ion:142 Resp: 4945

Ion Ratio Lower Upper

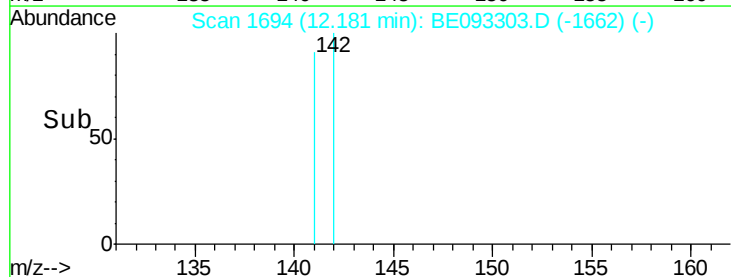
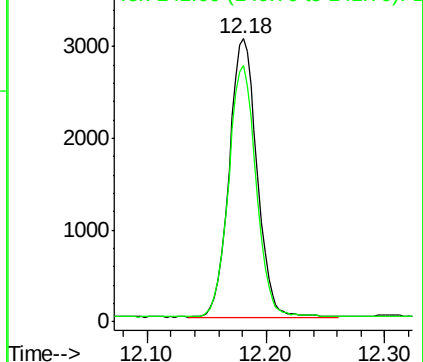
142 100

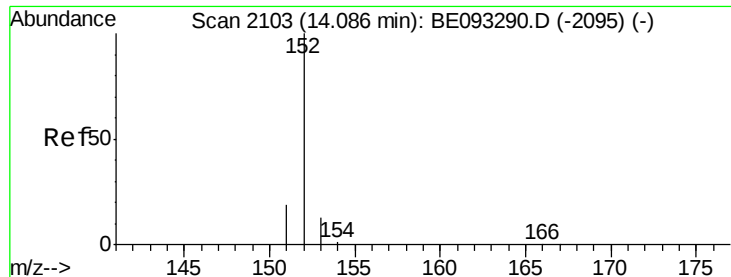
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.32 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

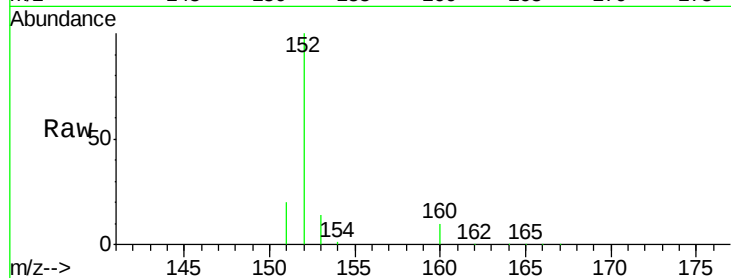
Tgt Ion:152 Resp: 35718

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

153 13.6 12.8 19.2



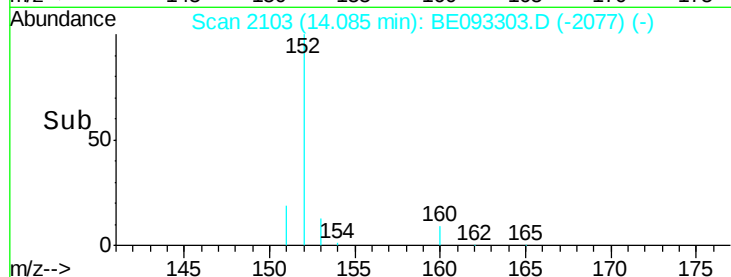
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

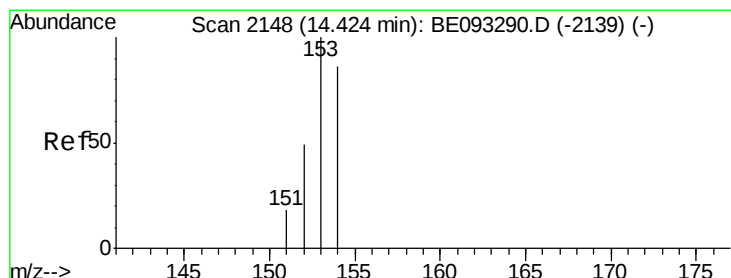
Ion 153.00 (152.70 to 153.70): E

14.09

Time-->



Time-->



#8

Acenaphthene

Concen: 0.33 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

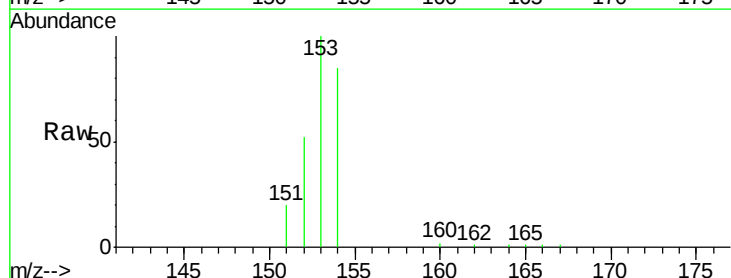
Tgt Ion:153 Resp: 7159

Ion Ratio Lower Upper

153 100

152 51.9 40.3 60.5

154 85.1 71.4 107.2



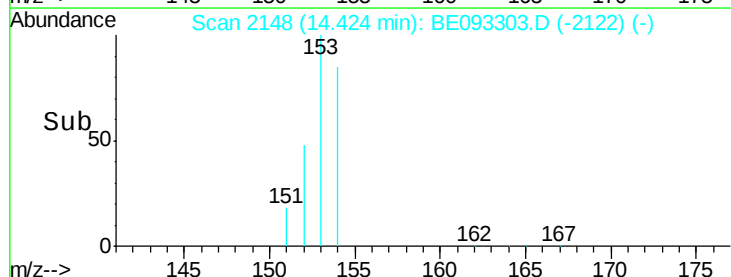
Abundance Ion 153.00 (152.70 to 153.70): E

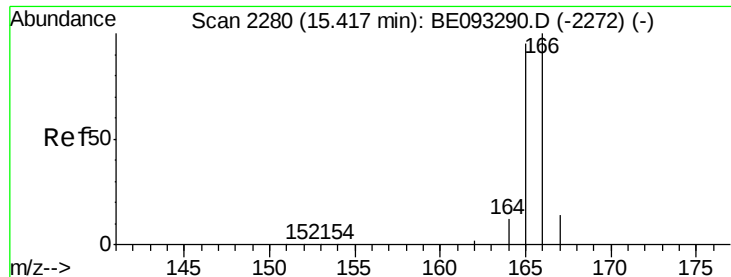
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.42

Time-->





#9

Fluorene

Concen: 0.29 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

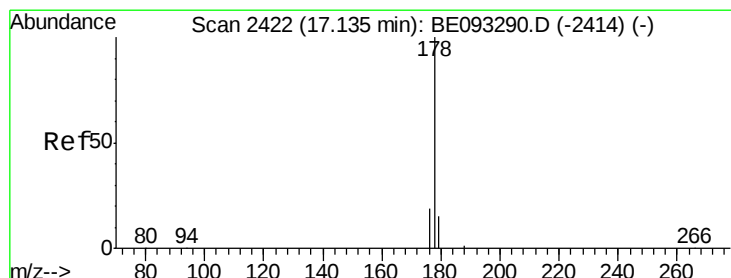
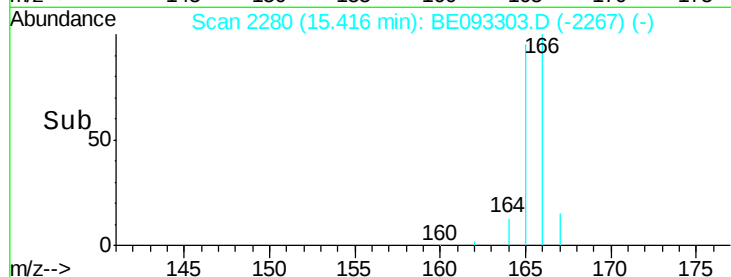
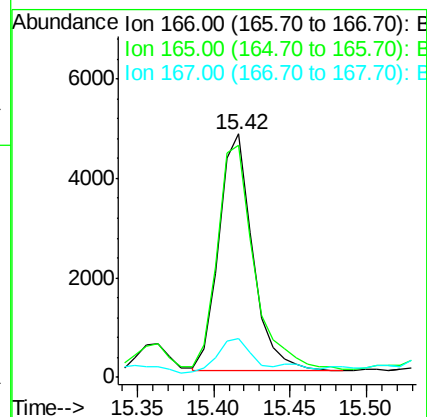
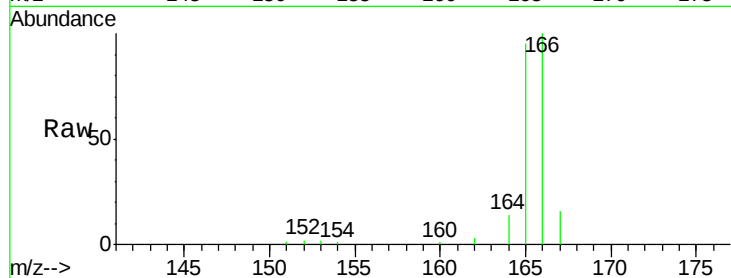
Tgt Ion:166 Resp: 7317

Ion Ratio Lower Upper

166 100

165 95.5 73.4 110.2

167 16.2 14.6 22.0



#12

Phenanthrene

Concen: 1.81 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

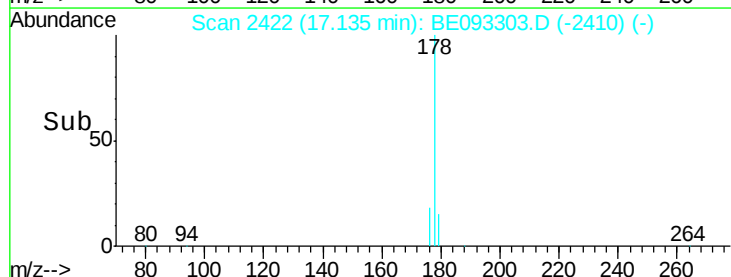
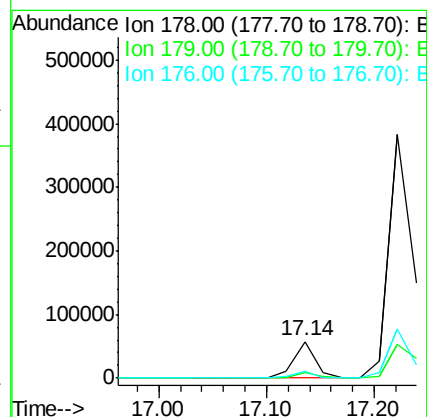
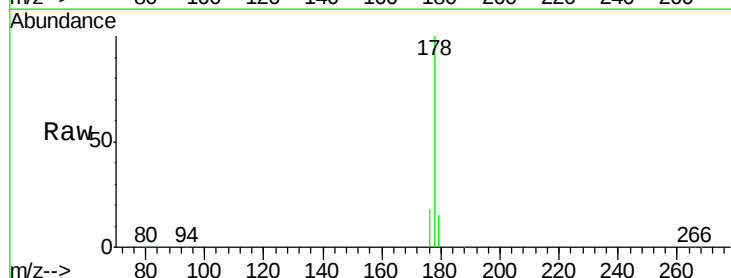
Tgt Ion:178 Resp: 77954

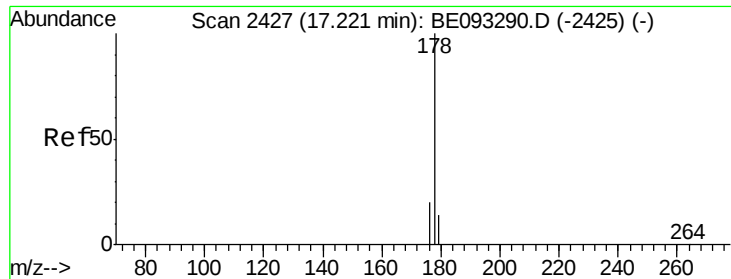
Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

176 18.3 13.6 20.4





#13

Anthracene

Concen: 15.76 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

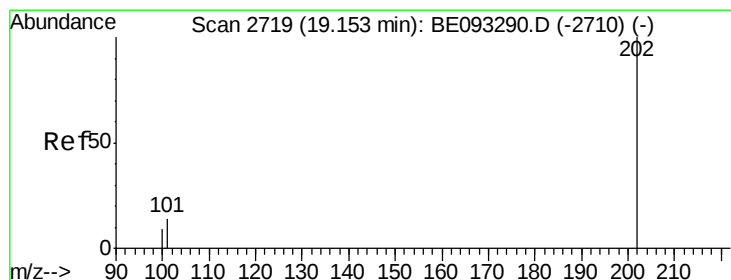
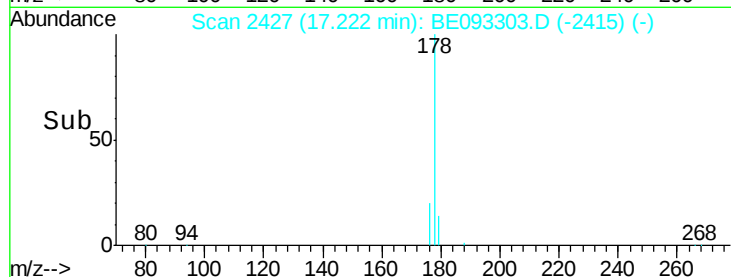
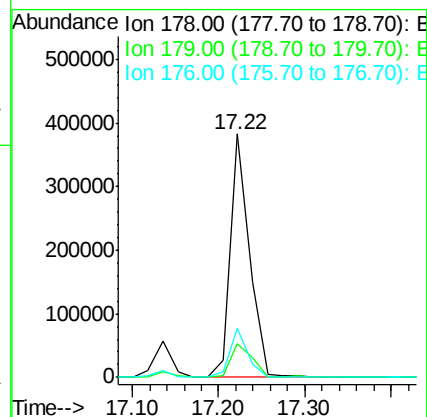
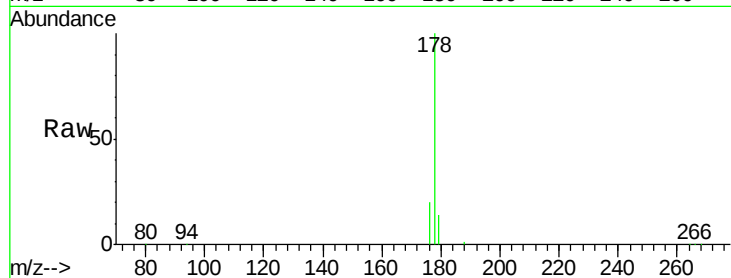
Tgt Ion:178 Resp: 590647

Ion Ratio Lower Upper

178 100

179 13.9 18.1 27.1#

176 20.4 14.7 22.1



#15

Fluoranthene

Concen: 26.88 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

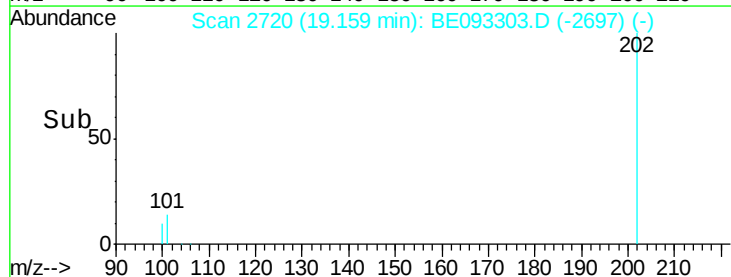
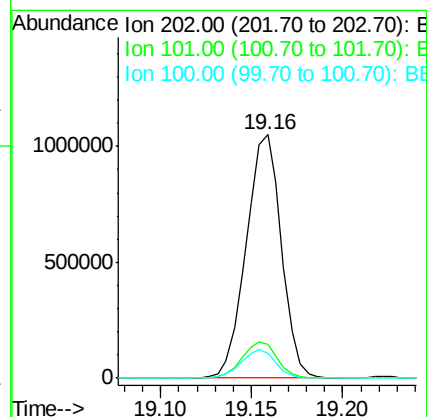
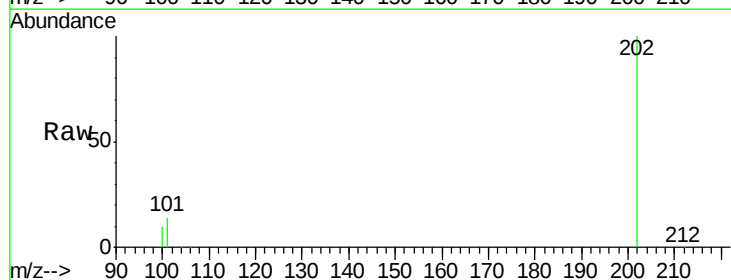
Tgt Ion:202 Resp: 1419499

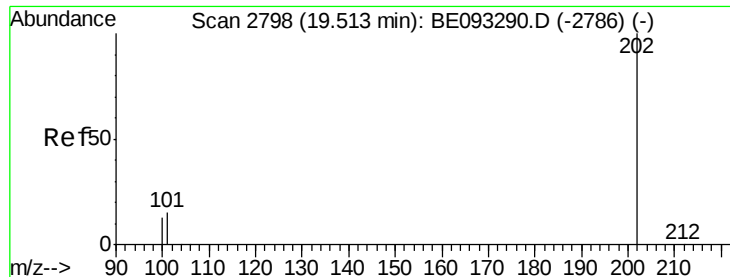
Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

100 10.2 0.0 39.5





#17

Pyrene

Concen: 29.57 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

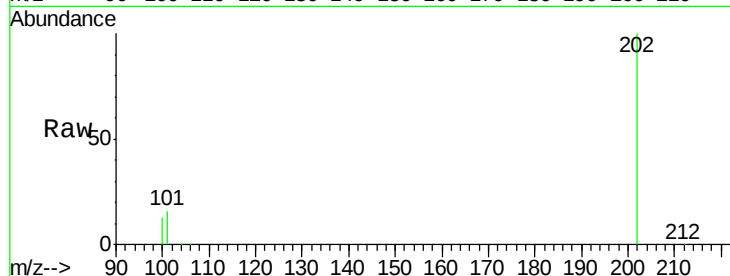
Tgt Ion:202 Resp: 1446524

Ion Ratio Lower Upper

202 100

101 16.2 18.2 27.4#

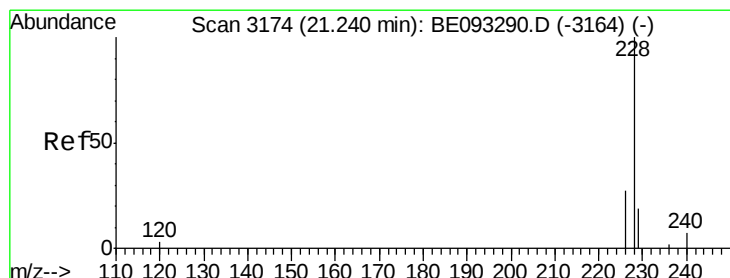
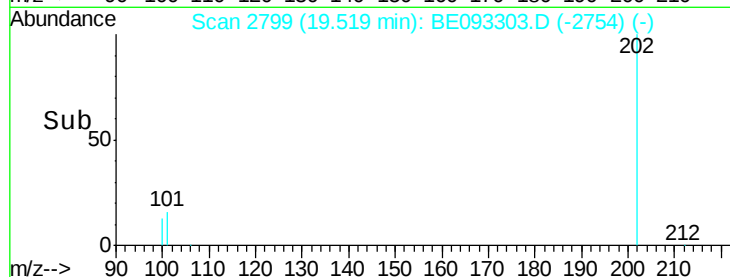
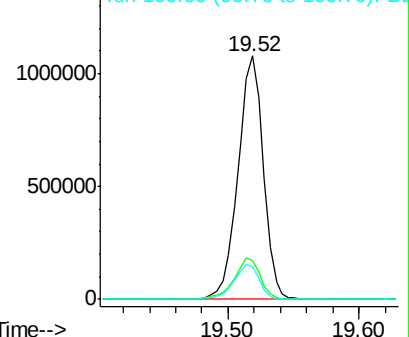
100 13.2 15.6 23.4#



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: 16.91 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

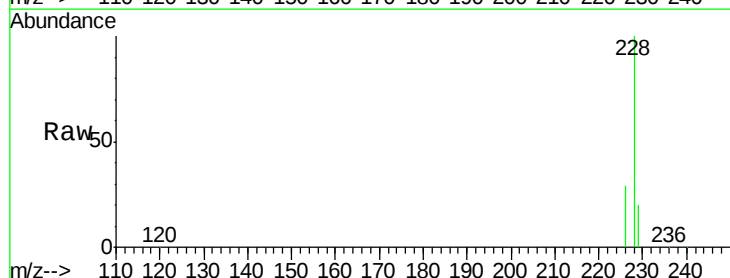
Tgt Ion:228 Resp: 748096

Ion Ratio Lower Upper

228 100

229 20.5 22.8 34.2#

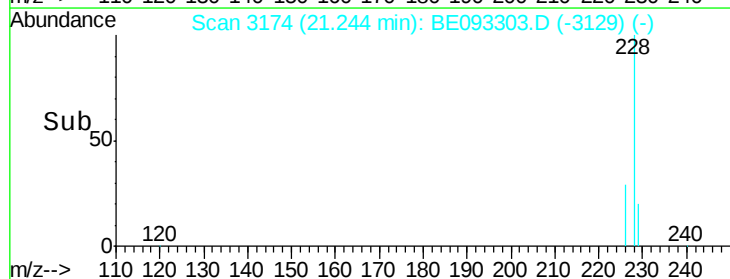
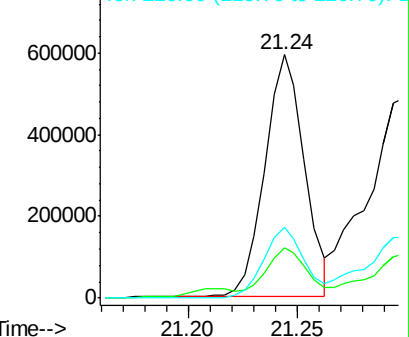
226 29.1 17.0 25.6#

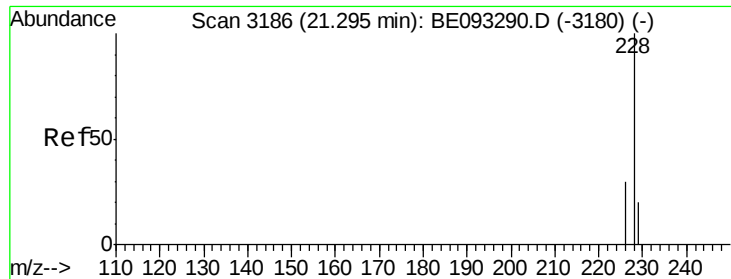


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 18.06 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

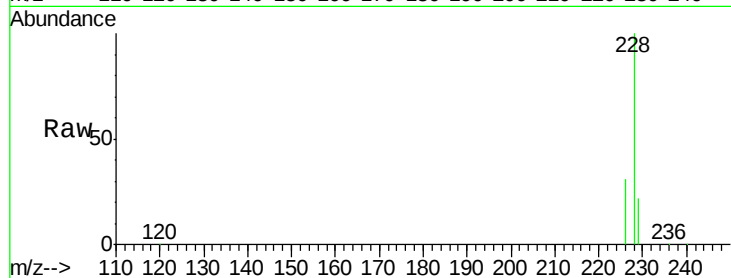
Tgt Ion:228 Resp: 828744

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

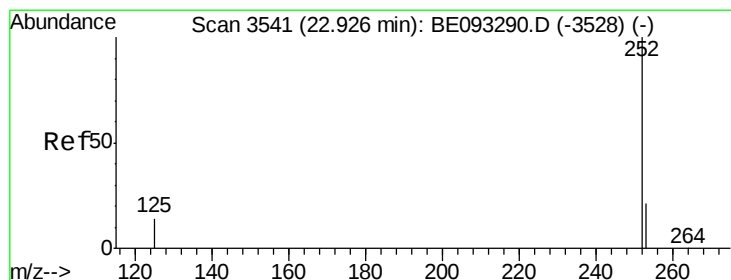
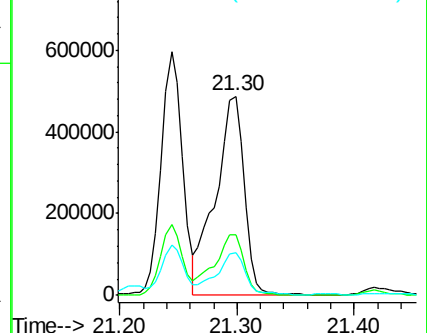
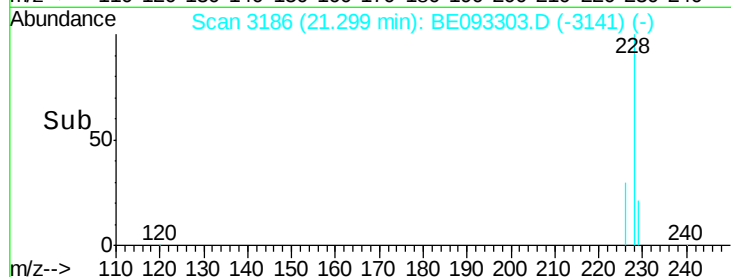
229 21.7 17.7 26.5



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: 28.52 ng/ul

RT: 22.94 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

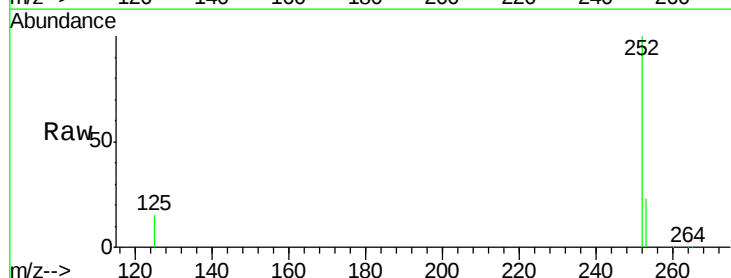
Tgt Ion:252 Resp: 1250870

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

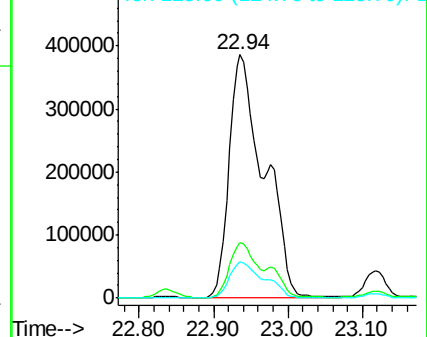
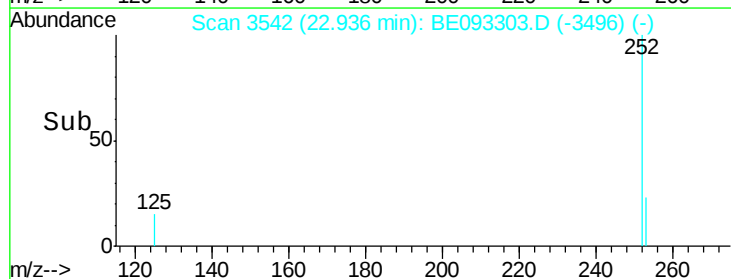
125 14.6 0.0 35.0

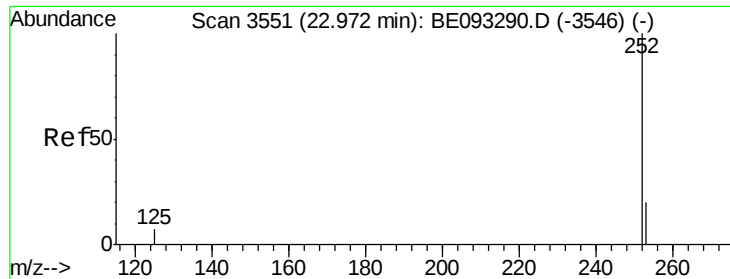


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.66 ng/ul

RT: 23.12 min Scan# 3582

Delta R.T. 0.15 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

Instrument :

BNA_E

ClientSampleId :

F5A87DL

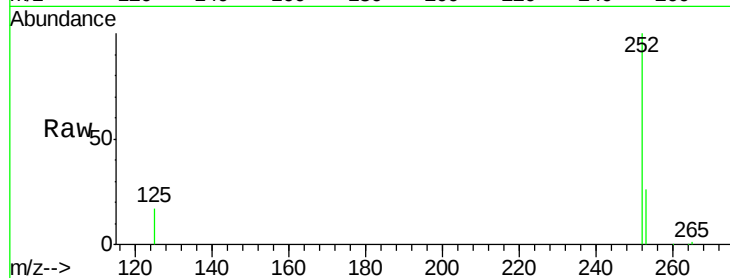
Tgt Ion:252 Resp: 77195

Ion Ratio Lower Upper

252 100

253 25.8 24.5 36.7

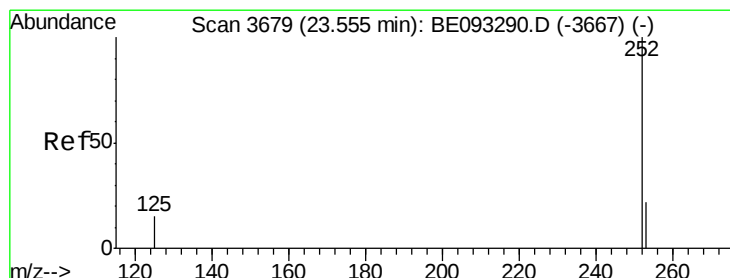
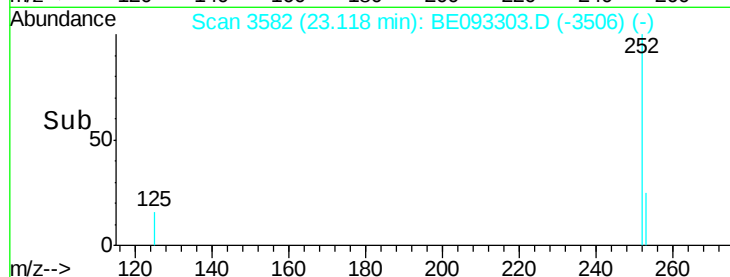
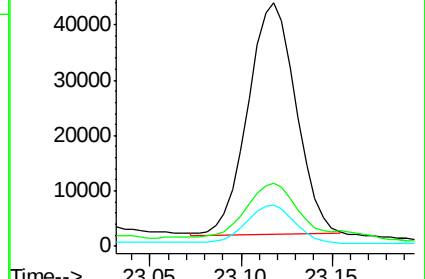
125 16.8 13.7 20.5



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: 10.54 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093303.D

Acq: 21 Jun 2017 4:25

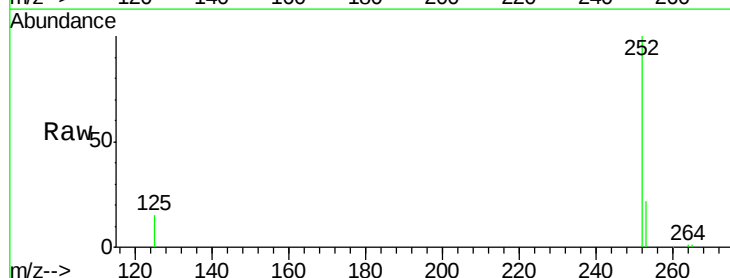
Tgt Ion:252 Resp: 436919

Ion Ratio Lower Upper

252 100

253 22.2 28.5 42.7#

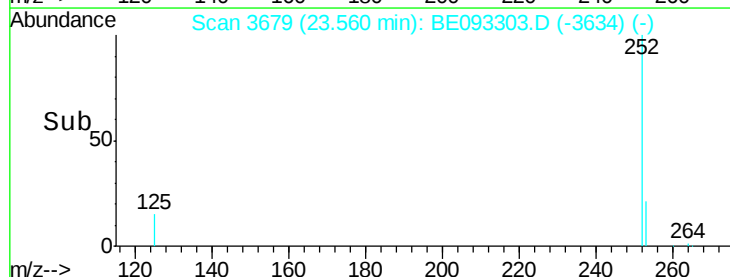
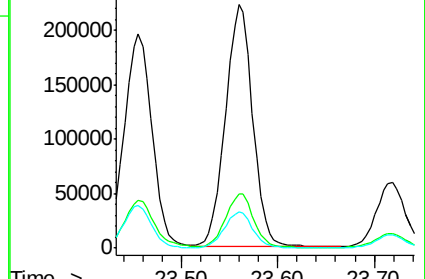
125 15.0 18.1 27.1#

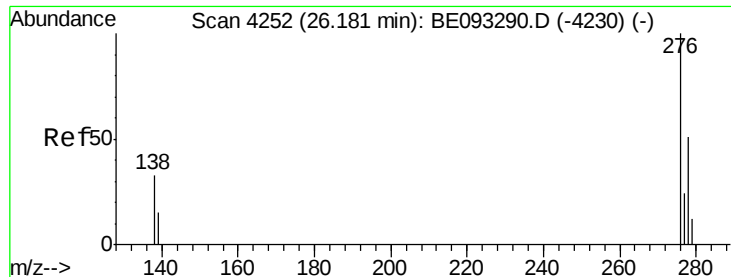


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

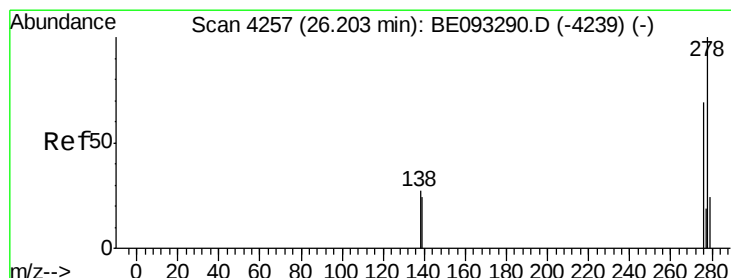
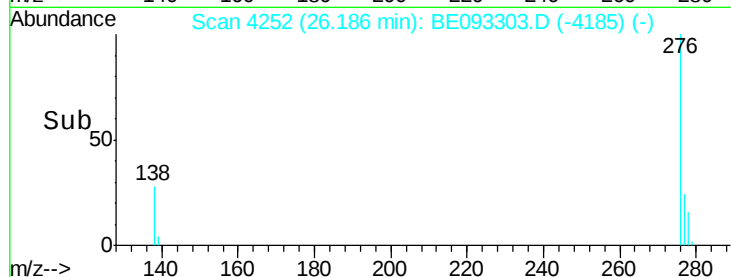
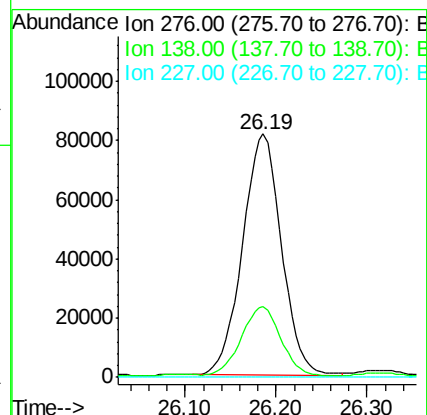
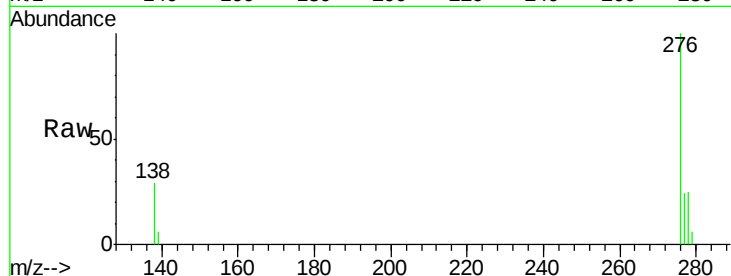




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 5.03 ng/ul
 RT: 26.19 min Scan# 4252
 Delta R.T. 0.01 min
 Lab File: BE093303.D
 Acq: 21 Jun 2017 4:25

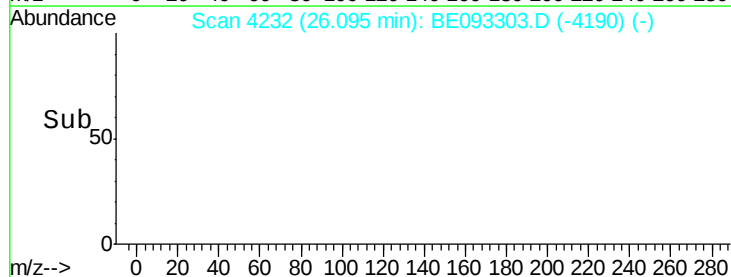
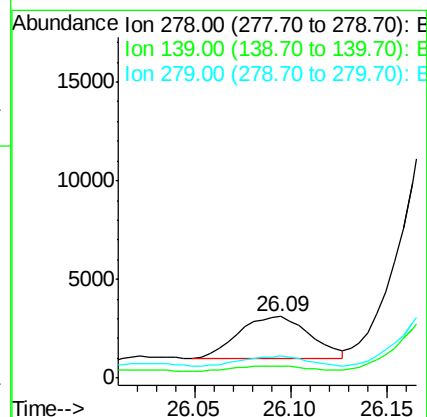
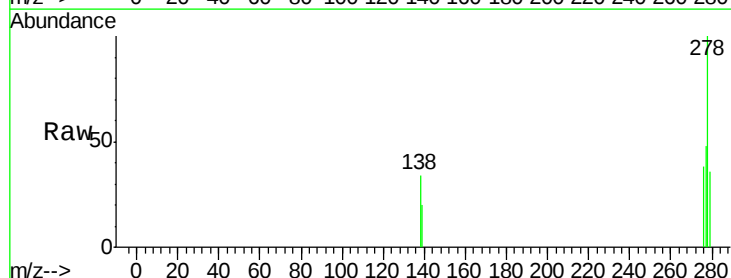
Instrument :
 BNA_E
 ClientSampleId :
 F5A87DL

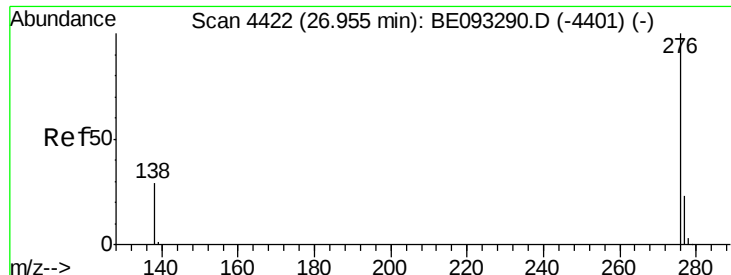
Tgt Ion:276 Resp: 241304
 Ion Ratio Lower Upper
 276 100
 138 29.5 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.13 ng/ul
 RT: 26.09 min Scan# 4232
 Delta R.T. -0.11 min
 Lab File: BE093303.D
 Acq: 21 Jun 2017 4:25

Tgt Ion:278 Resp: 5456
 Ion Ratio Lower Upper
 278 100
 139 19.8 17.4 26.0
 279 35.8 25.9 38.9

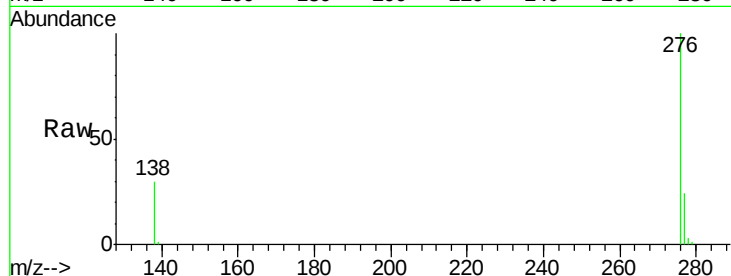




#26
 Benzo(g,h,i)perylene
 Concen: 3.29 ng/ul
 RT: 26.96 min Scan# 4421
 Delta R.T. 0.00 min
 Lab File: BE093303.D
 Acq: 21 Jun 2017 4:25

Instrument :
 BNA_E
 ClientSampleId :
 F5A87DL

Tgt Ion: 276 Resp: 135491
 Ion Ratio Lower Upper
 276 100
 138 29.8 21.8 32.8
 277 24.1 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

