

Data File : BE093302.D
Acq On : 21 Jun 2017 3:46
Operator : SJ/JU
Sample : I3599-08DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D42DL

Quant Time: Jun 21 04:31:09 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	1888	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	10100	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6009	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14847	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15578	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12741	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	739	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1931	0.05	ng/ul	0.00

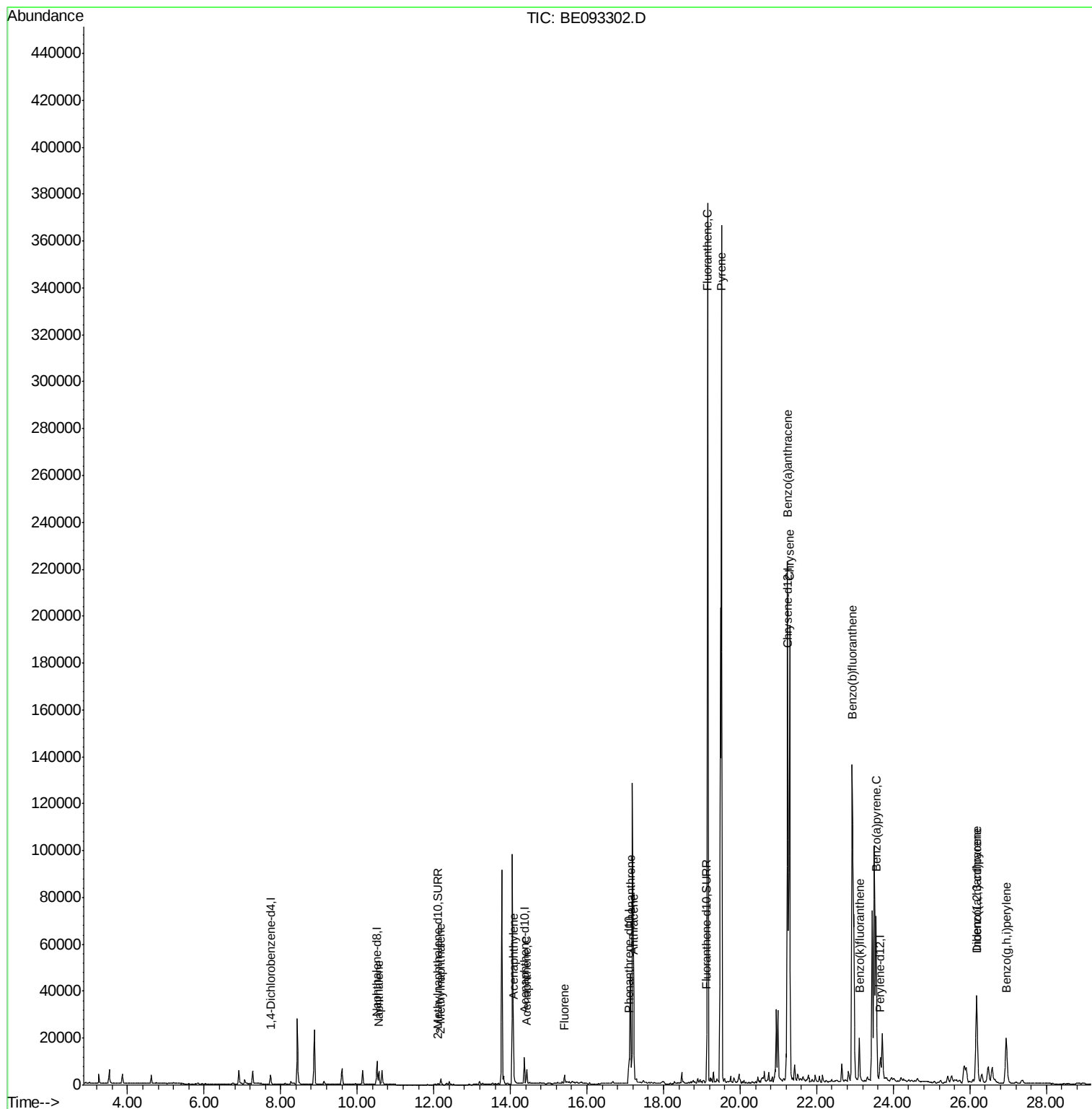
Target Compounds						Qvalue
3) Naphthalene	10.56	128	8071	0.32	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	2127	0.12	ng/ul	99
7) Acenaphthylene	14.09	152	14806	0.57	ng/ul	96
8) Acenaphthene	14.42	153	3522	0.17	ng/ul	96
9) Fluorene	15.42	166	2481	0.10	ng/ul	93
12) Phenanthrene	17.14	178	49088	1.20	ng/ul#	89
13) Anthracene	17.22	178	38998	1.10	ng/ul#	90
15) Fluoranthene	19.15	202	391763	7.82	ng/ul	83
17) Pyrene	19.51	202	373744	8.14	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	199239	4.79	ng/ul#	84
19) Chrysene	21.29	228	209218	4.85	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	319002	8.25	ng/ul	86
22) Benzo(k)fluoranthene	23.11	252	22899	0.56	ng/ul	95
23) Benzo(a)pyrene	23.56	252	101559	2.78	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	60077	1.42	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	19127	0.54	ng/ul	90
26) Benzo(g,h,i)perylene	26.96	276	42421	1.17	ng/ul	96

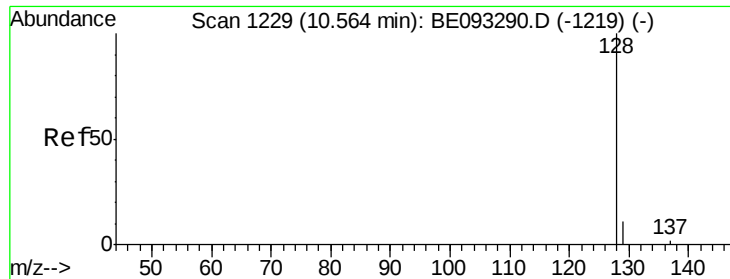
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.32 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

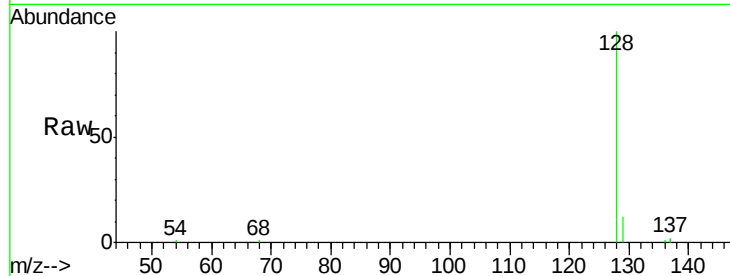
Tgt Ion:128 Resp: 8071

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

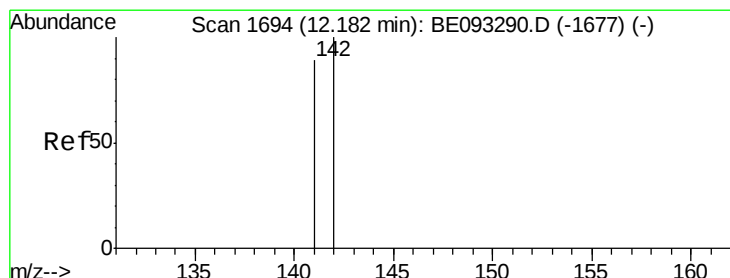
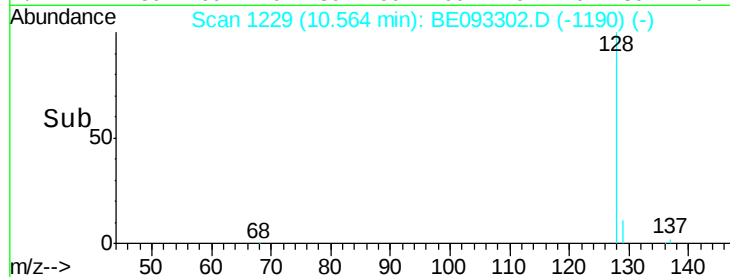
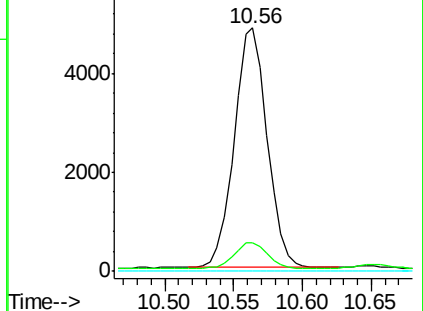
127 0.0 4.0 6.0#



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: 0.12 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093302.D

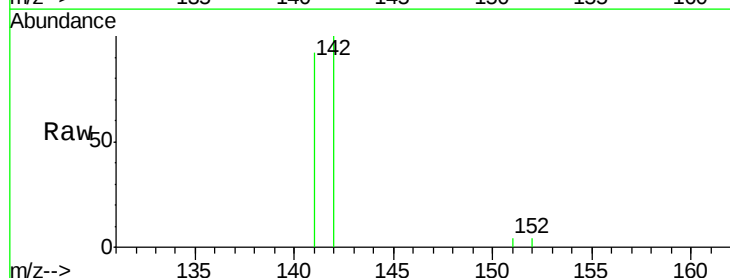
Acq: 21 Jun 2017 3:46

Tgt Ion:142 Resp: 2127

Ion Ratio Lower Upper

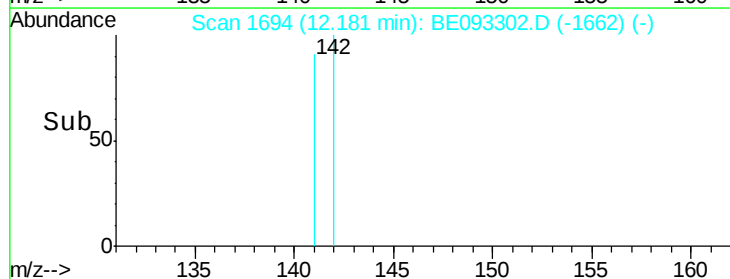
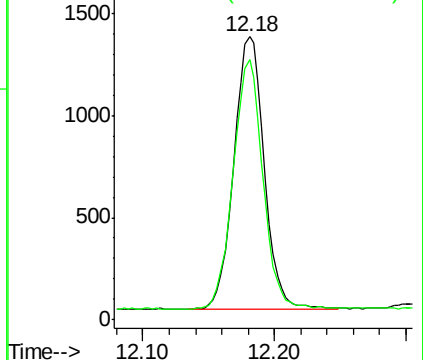
142 100

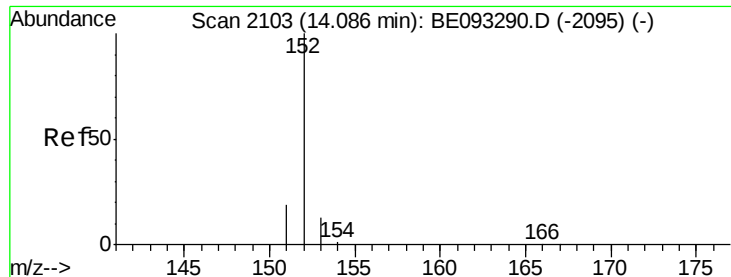
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.57 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

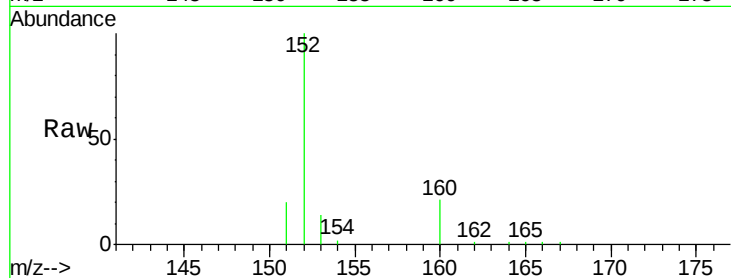
Tgt Ion:152 Resp: 14806

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

153 13.8 12.8 19.2



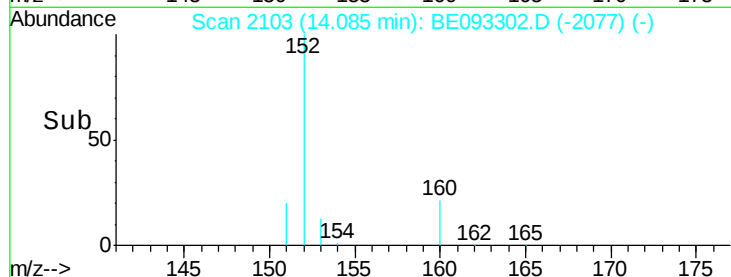
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.09

Time-->



Abundance

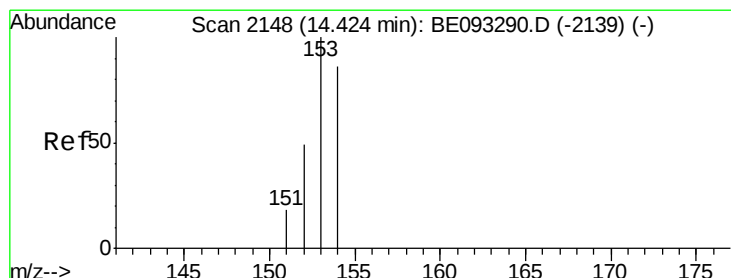
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.09

Time-->



#8

Acenaphthene

Concen: 0.17 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

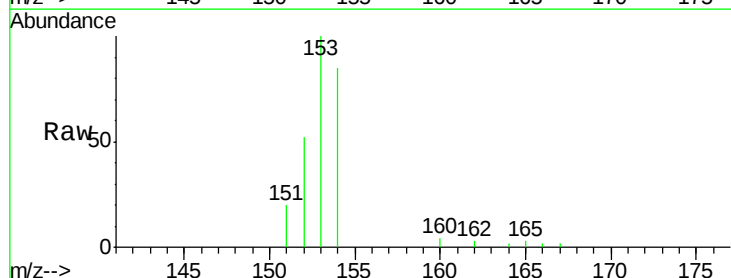
Tgt Ion:153 Resp: 3522

Ion Ratio Lower Upper

153 100

152 51.5 40.3 60.5

154 84.7 71.4 107.2



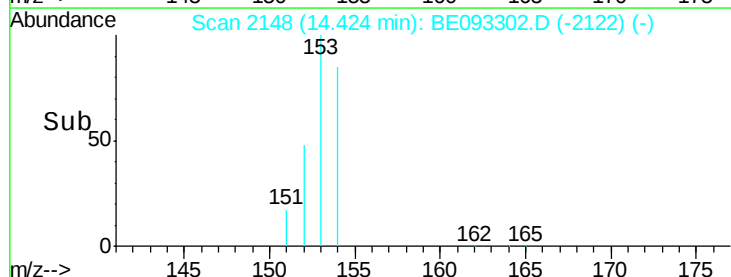
Abundance Ion 153.00 (152.70 to 153.70): E

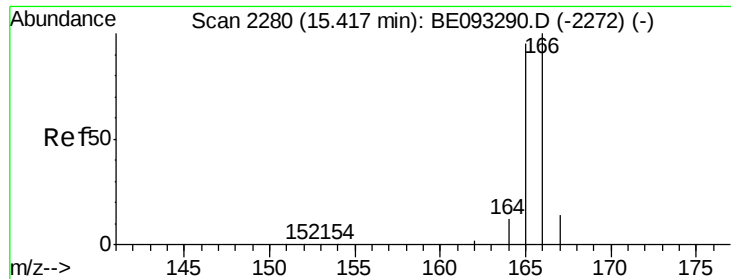
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.42

Time-->





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

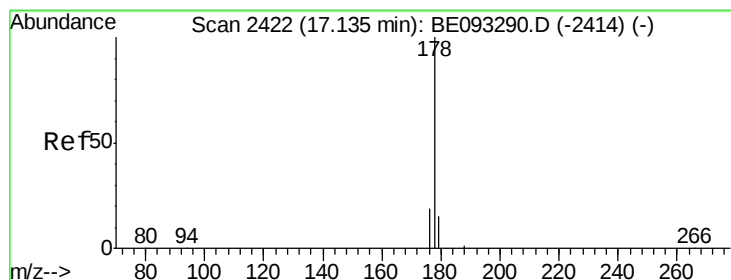
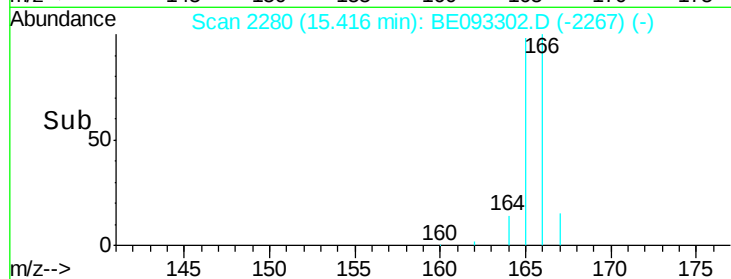
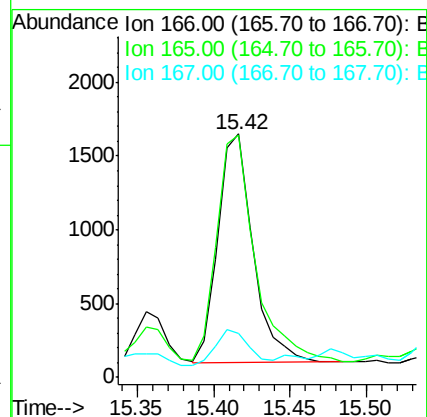
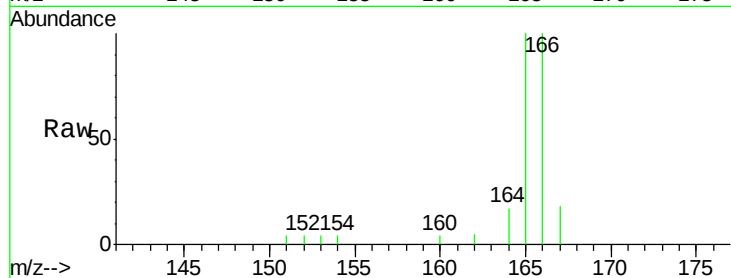
Tgt Ion:166 Resp: 2481

Ion Ratio Lower Upper

166 100

165 99.5 73.4 110.2

167 18.1 14.6 22.0



#12

Phenanthrene

Concen: 1.20 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

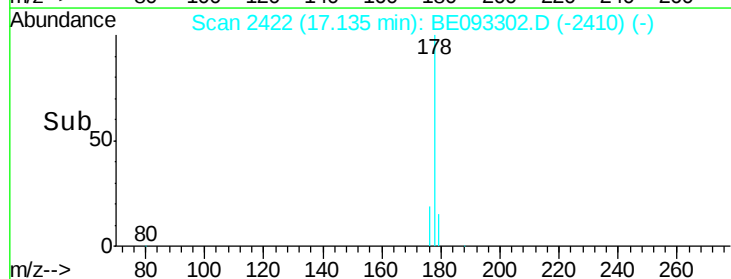
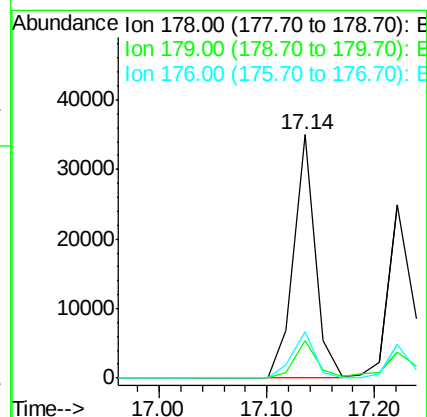
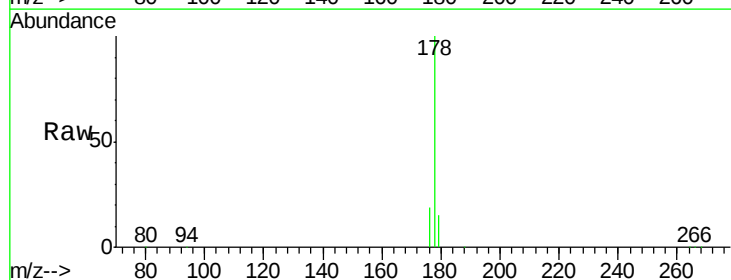
Tgt Ion:178 Resp: 49088

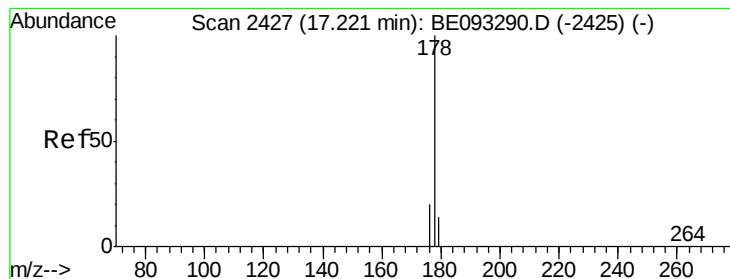
Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

176 19.0 13.6 20.4





#13

Anthracene

Concen: 1.10 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

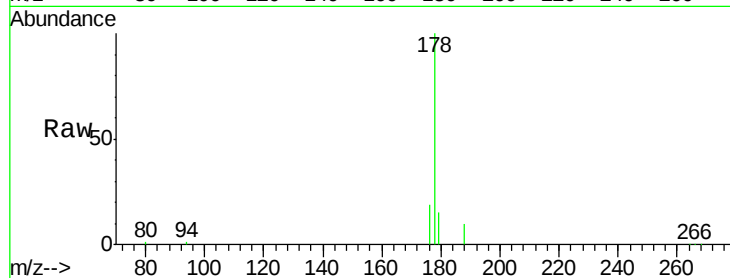
Tgt Ion:178 Resp: 38998

Ion Ratio Lower Upper

178 100

179 14.6 18.1 27.1#

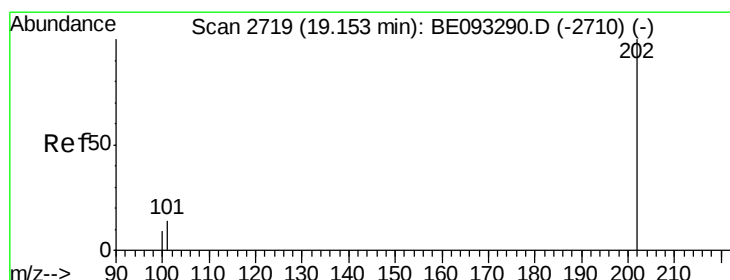
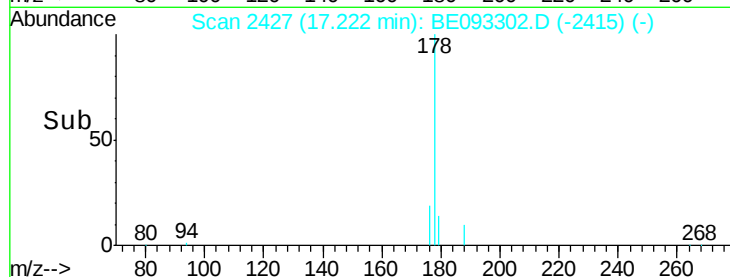
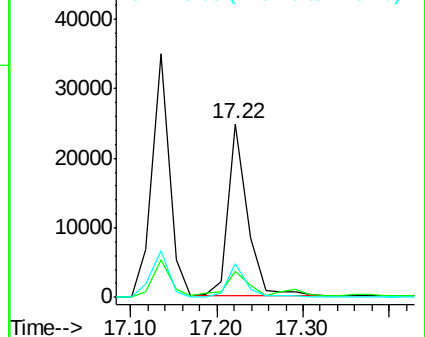
176 19.2 14.7 22.1



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: 7.82 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

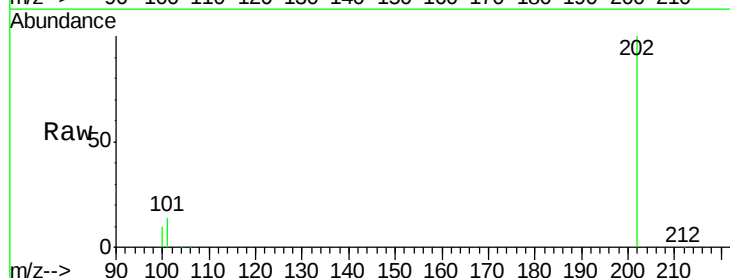
Tgt Ion:202 Resp: 391763

Ion Ratio Lower Upper

202 100

101 13.7 0.0 30.3

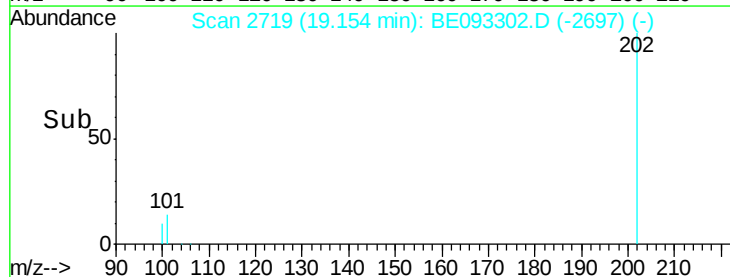
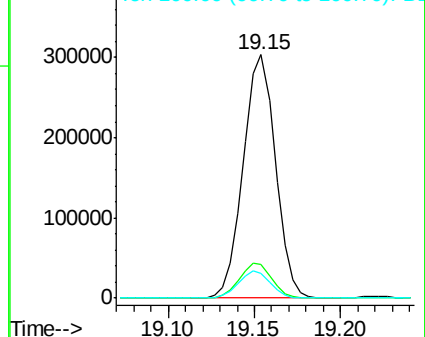
100 10.0 0.0 39.5

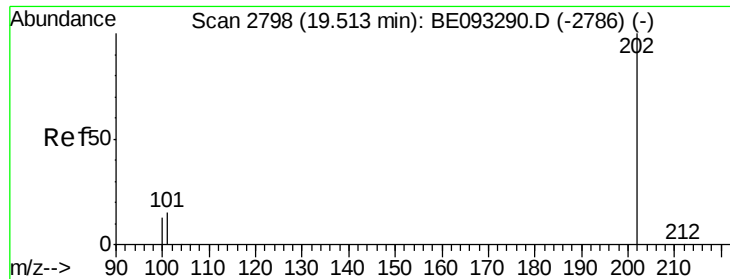


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

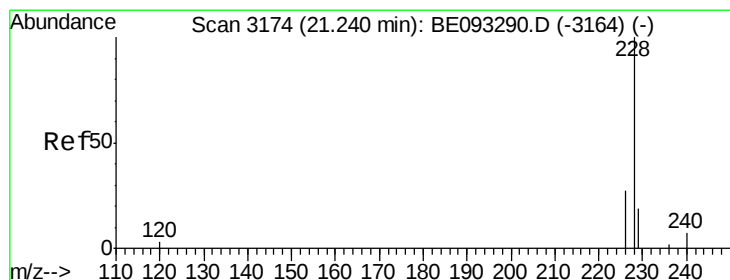
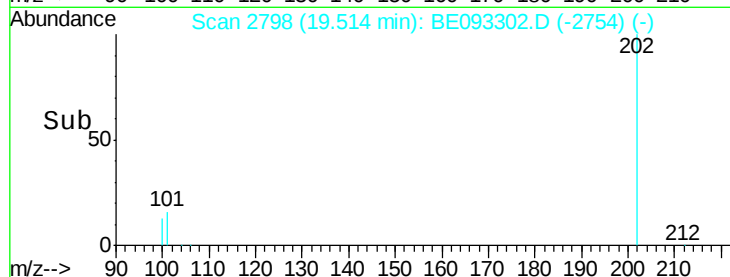
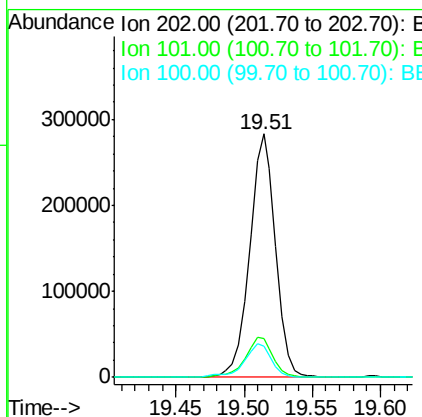
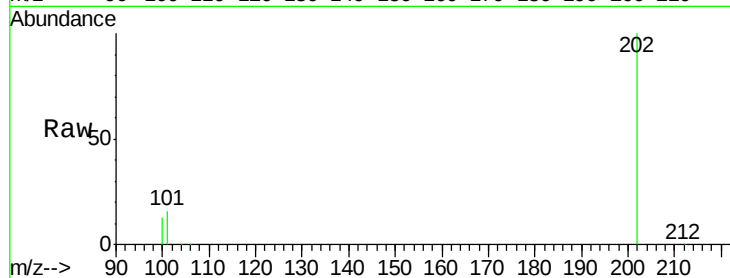




#17
Pyrene
 Concen: 8.14 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

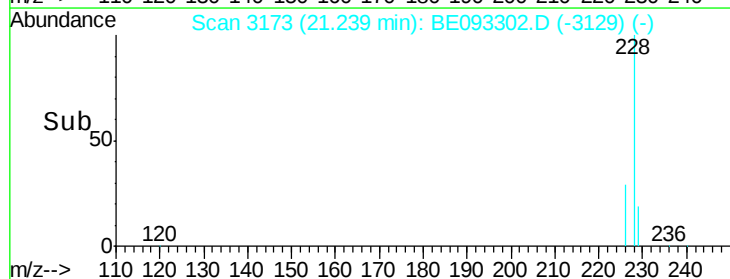
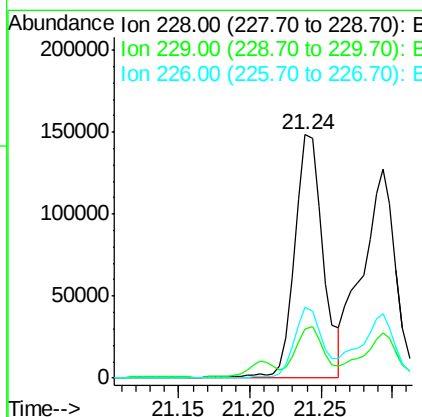
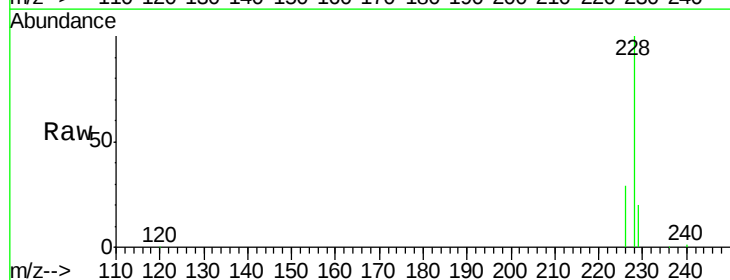
Instrument :
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 F5D42DL

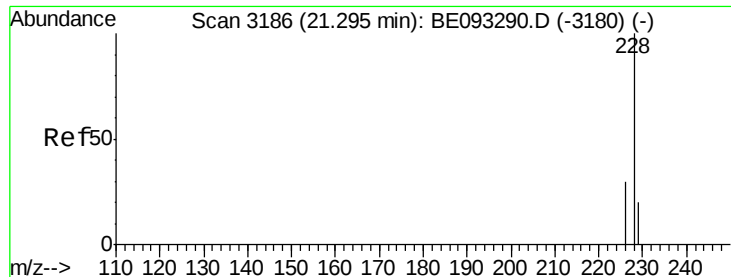
Tgt Ion: 202 Resp: 373744
 Ion Ratio Lower Upper
 202 100
 101 15.8 18.2 27.4#
 100 12.9 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 4.79 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Tgt Ion: 228 Resp: 199239
 Ion Ratio Lower Upper
 228 100
 229 20.1 22.8 34.2#
 226 28.9 17.0 25.6#





#19

Chrysene

Concen: 4.85 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

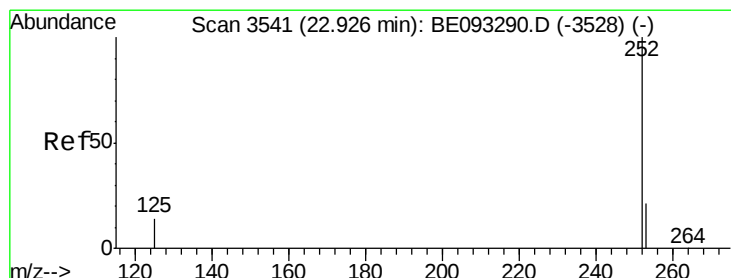
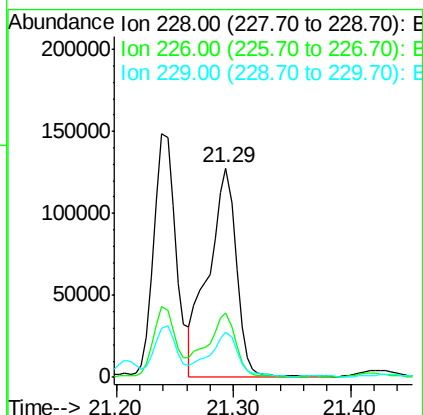
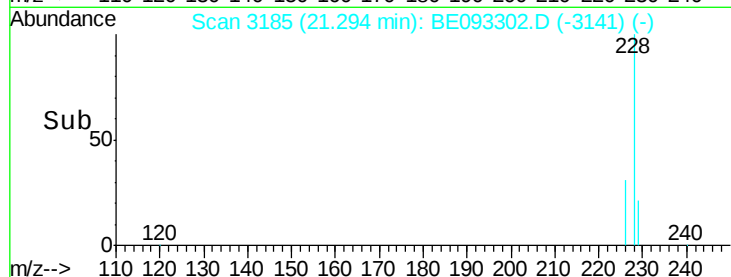
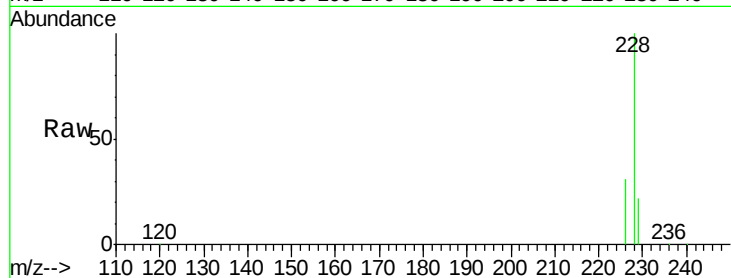
Tgt Ion:228 Resp: 209218

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 21.8 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 8.25 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

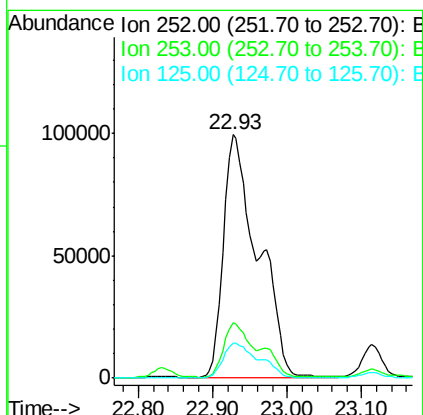
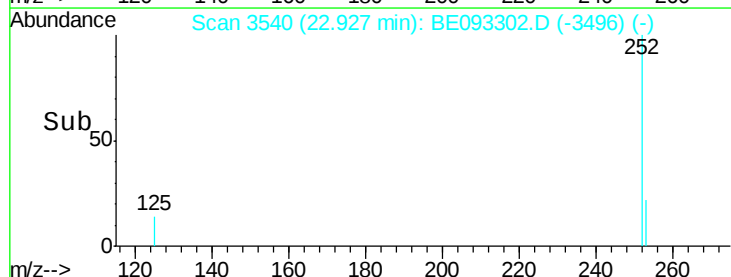
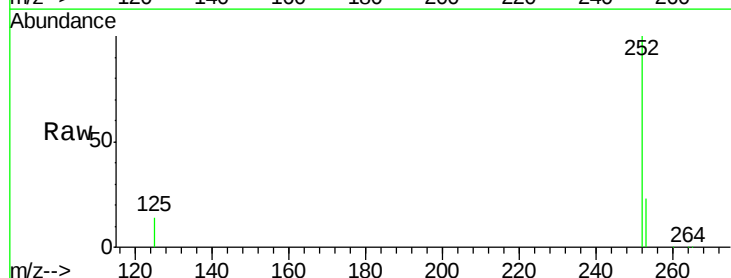
Tgt Ion:252 Resp: 319002

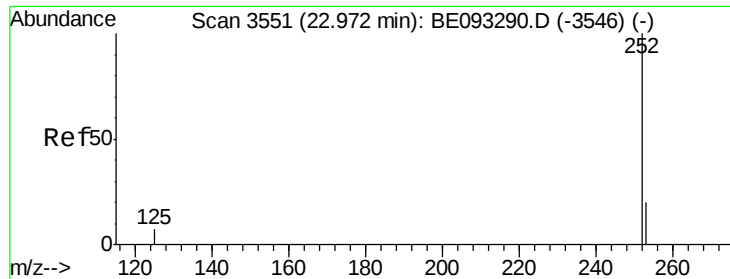
Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

125 14.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.56 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

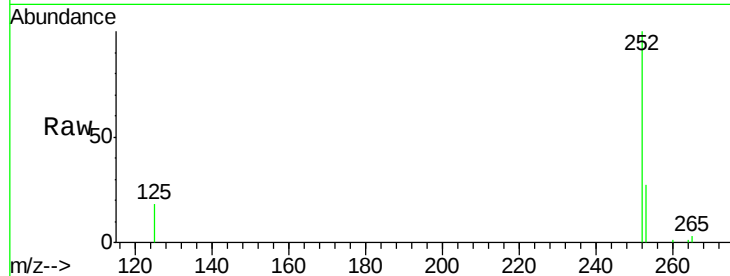
Tgt Ion:252 Resp: 22899

Ion Ratio Lower Upper

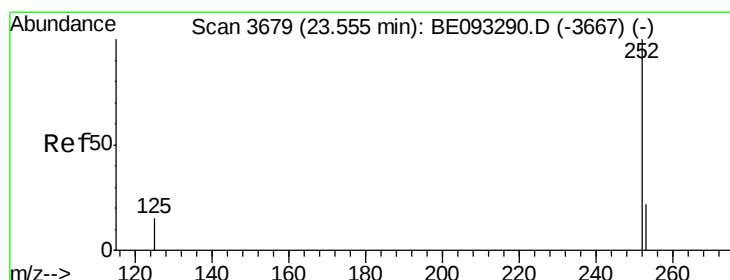
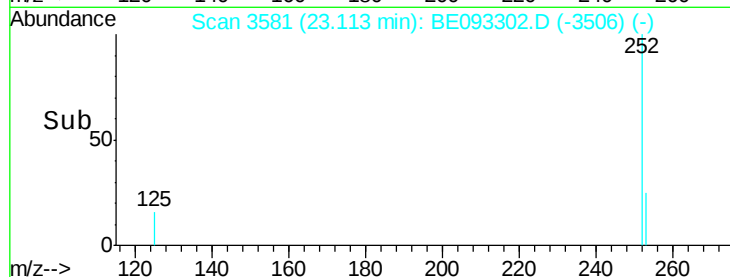
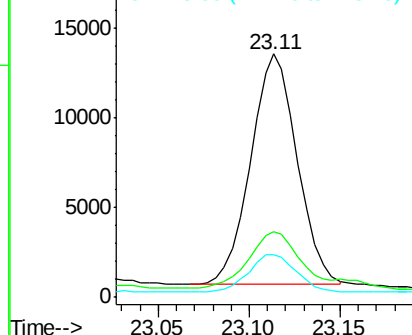
252 100

253 27.0 24.5 36.7

125 17.7 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: 2.78 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

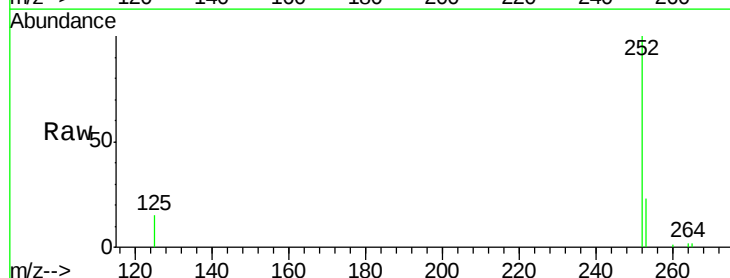
Tgt Ion:252 Resp: 101559

Ion Ratio Lower Upper

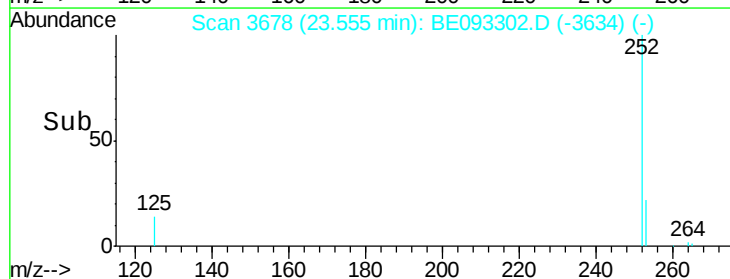
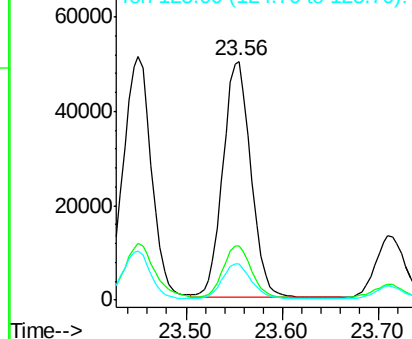
252 100

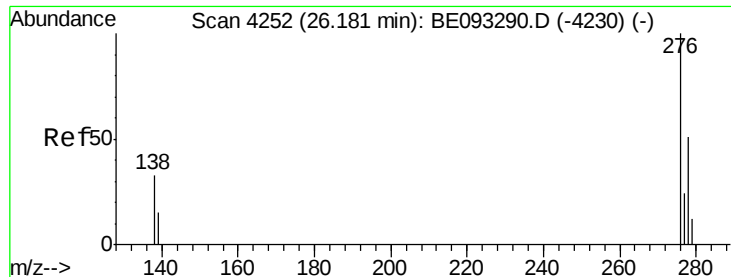
253 22.9 28.5 42.7#

125 15.1 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: 1.42 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

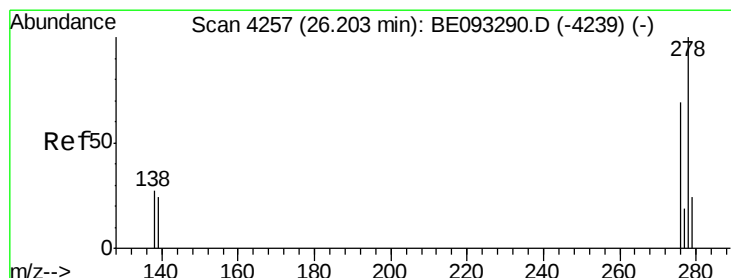
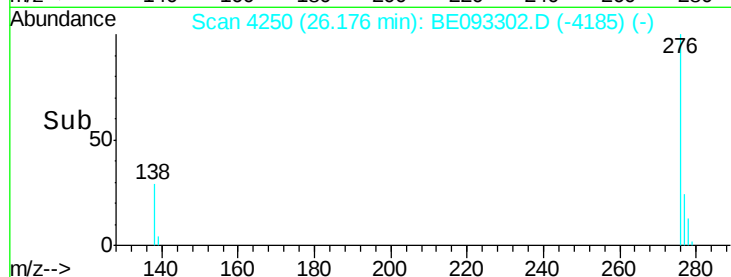
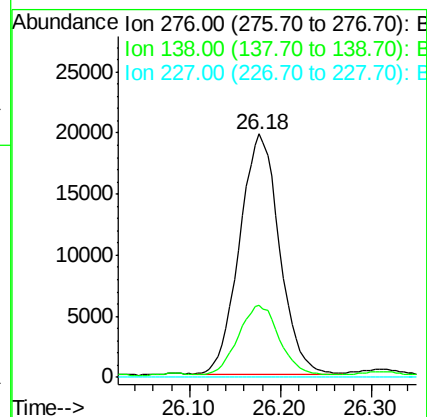
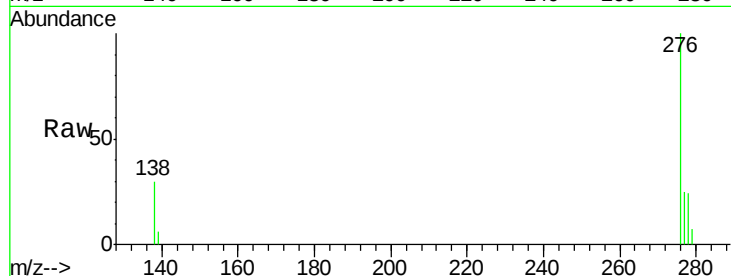
Tgt Ion:276 Resp: 60077

Ion Ratio Lower Upper

276 100

138 29.3 28.0 42.0

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.54 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

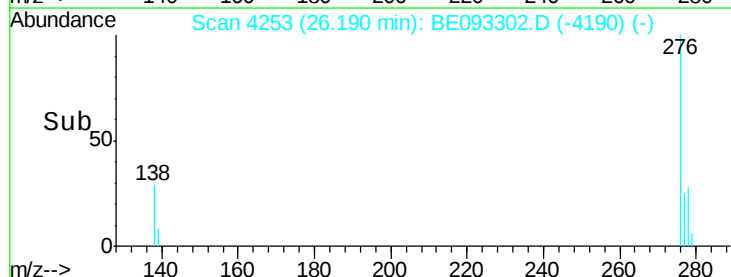
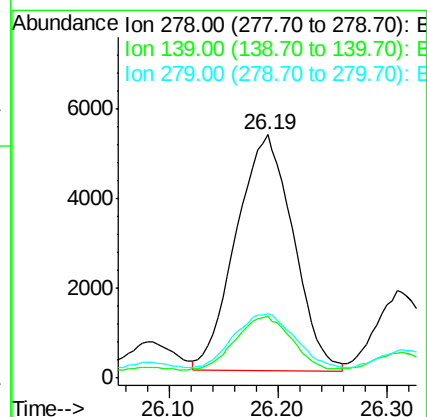
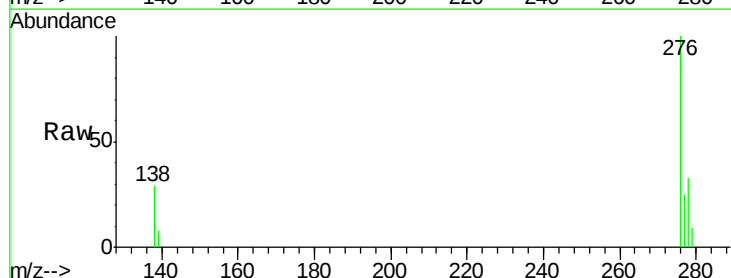
Tgt Ion:278 Resp: 19127

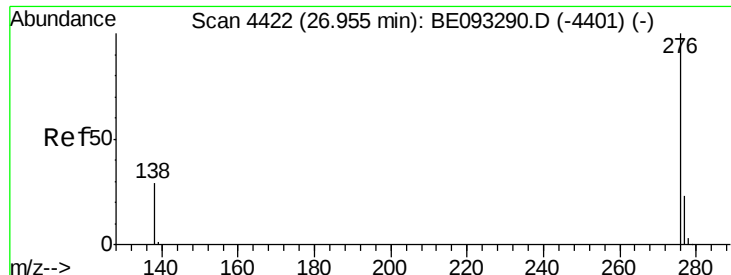
Ion Ratio Lower Upper

278 100

139 25.4 17.4 26.0

279 26.4 25.9 38.9

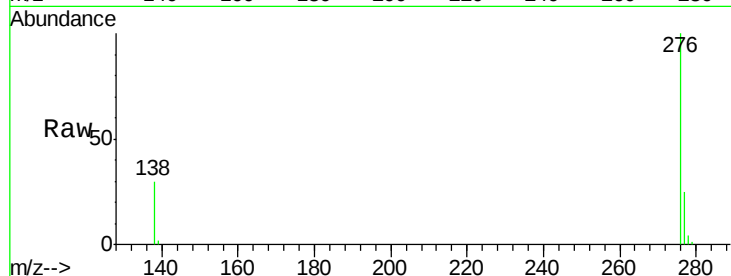




#26
 Benzo(g,h,i)perylene
 Concen: 1.17 ng/ul
 RT: 26.96 min Scan# 4421
 Delta R.T. 0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Instrument :
 BNA_E
 ClientSampleId :
 F5D42DL

Tgt Ion: 276 Resp: 42421
 Ion Ratio Lower Upper
 276 100
 138 30.1 21.8 32.8
 277 24.5 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

