

Data File : BE093301.D
Acq On : 21 Jun 2017 3:10
Operator : SJ/JU
Sample : I3599-05DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A81DL

Quant Time: Jun 21 04:31:00 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	1994	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	10975	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6674	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	15973	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16413	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14865	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	582	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1485	0.03	ng/ul	0.00

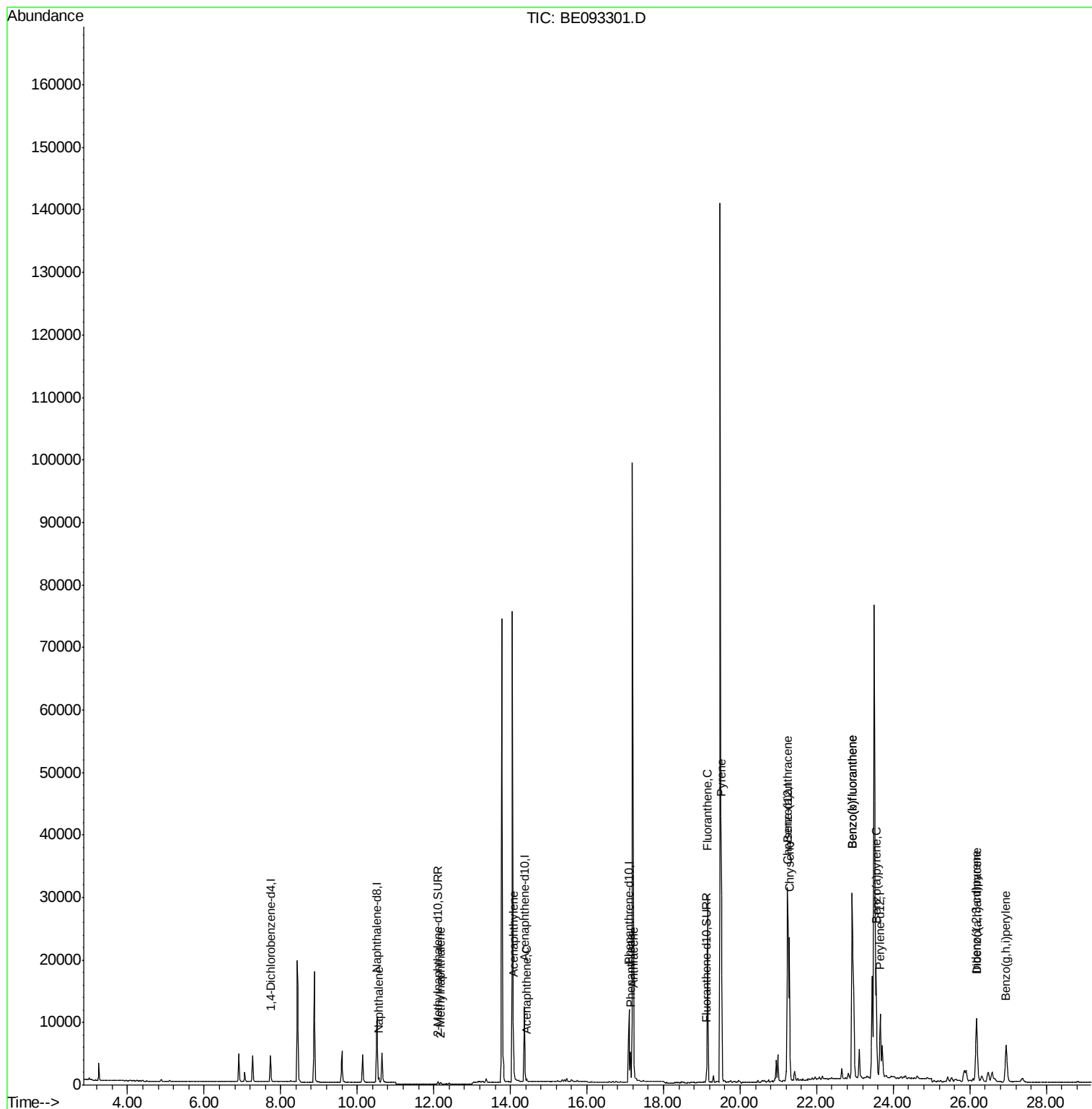
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	964	0.04	ng/ul#	86
5) 2-Methylnaphthalene	12.18	142	240	0.01	ng/ul	93
7) Acenaphthylene	14.08	152	5113	0.18	ng/ul	98
8) Acenaphthene	14.42	153	240	0.01	ng/ul#	89
12) Phenanthrene	17.14	178	5066	0.12	ng/ul#	91
13) Anthracene	17.22	178	7006	0.18	ng/ul#	90
15) Fluoranthene	19.15	202	32053	0.59	ng/ul	83
17) Pyrene	19.51	202	38754	0.80	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	23829	0.54	ng/ul#	85
19) Chrysene	21.29	228	27559	0.61	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	67289	1.49	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	67289	1.40	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	23707	0.56	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.17	276	16983	0.34	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	4331	0.10	ng/ul#	87
26) Benzo(g,h,i)perylene	26.95	276	13059	0.31	ng/ul	96

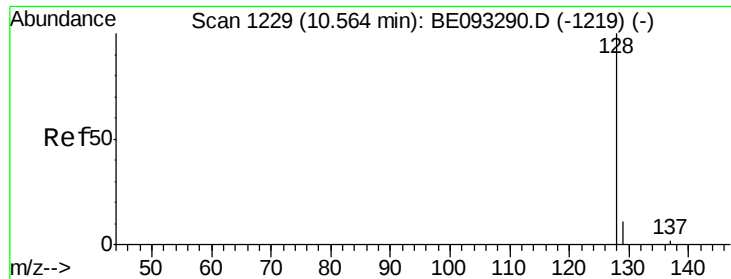
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

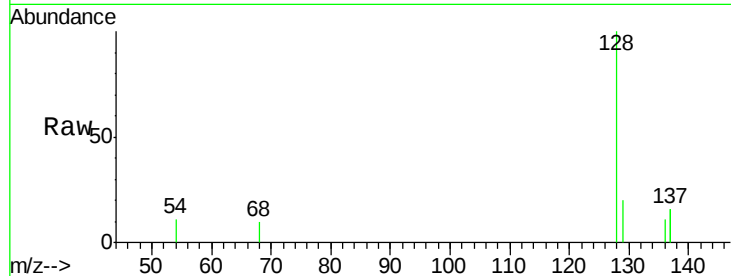
Tgt Ion:128 Resp: 964

Ion Ratio Lower Upper

128 100

129 19.6 11.3 16.9#

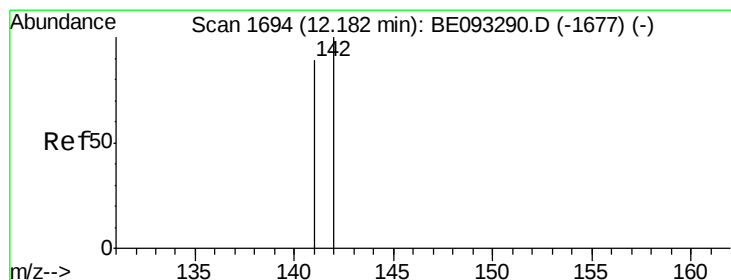
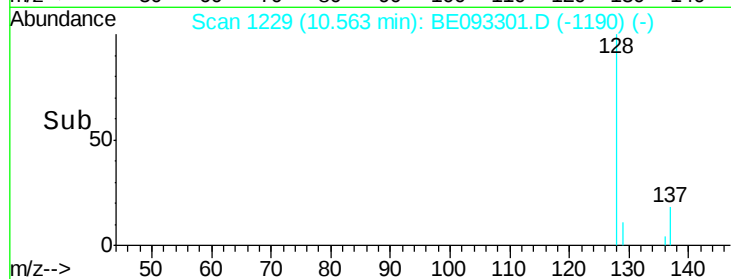
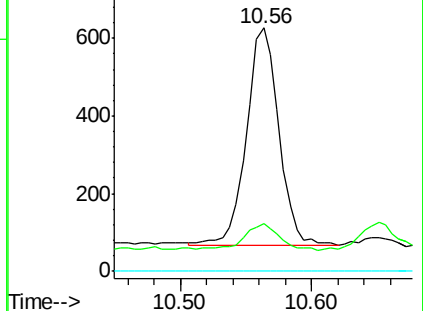
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093301.D

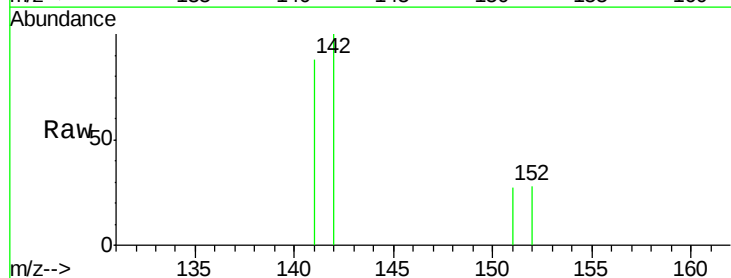
Acq: 21 Jun 2017 3:10

Tgt Ion:142 Resp: 240

Ion Ratio Lower Upper

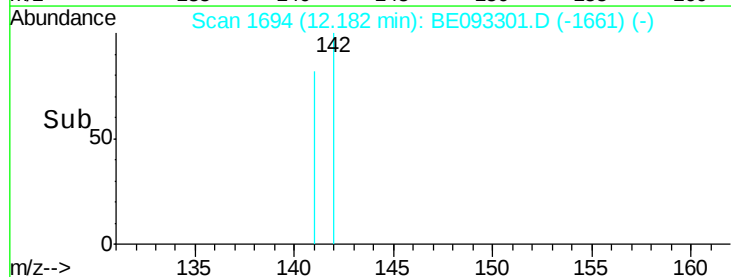
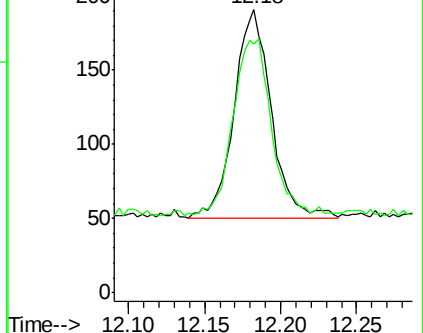
142 100

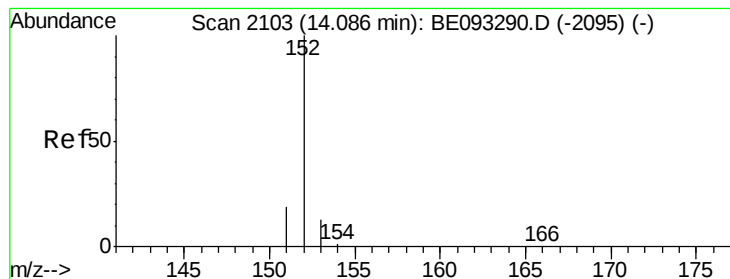
141 84.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

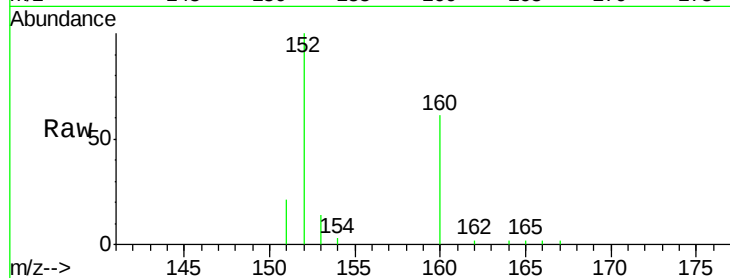
Tgt Ion:152 Resp: 5113

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

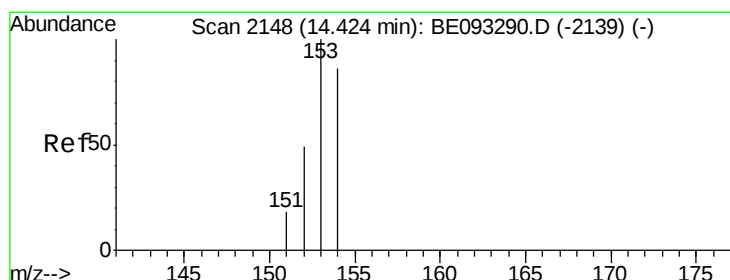
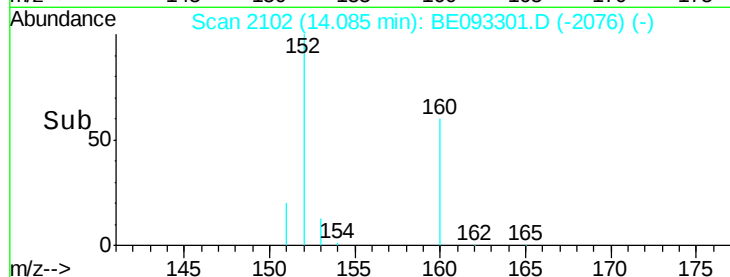
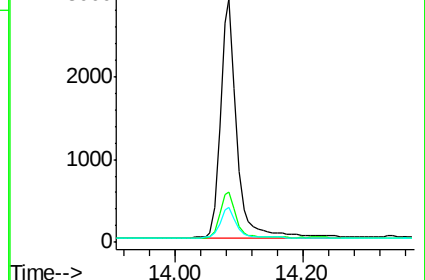
153 14.5 12.8 19.2



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# 2147

Delta R.T. -0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

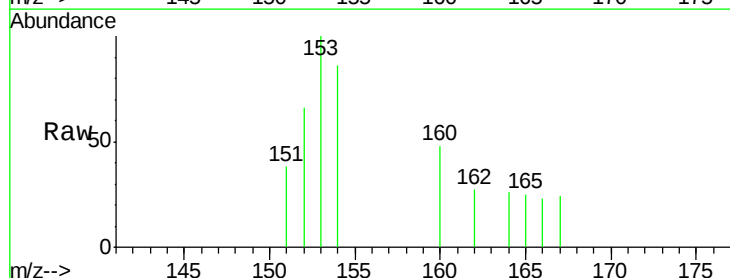
Tgt Ion:153 Resp: 240

Ion Ratio Lower Upper

153 100

152 66.4 40.3 60.5#

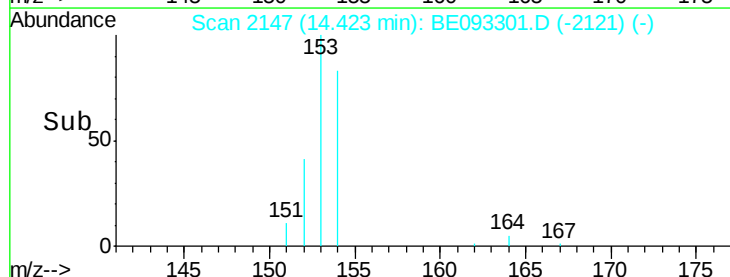
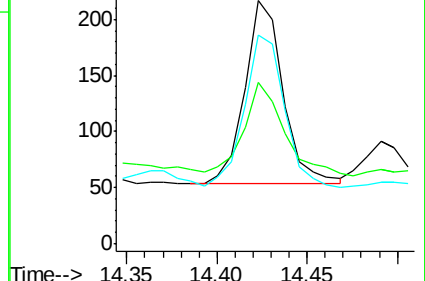
154 85.7 71.4 107.2

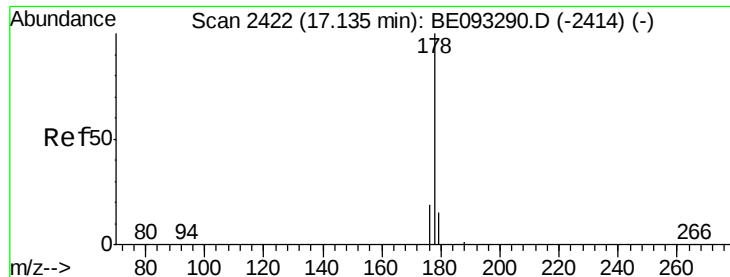


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Phenanthrene

Concen: 0.12 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

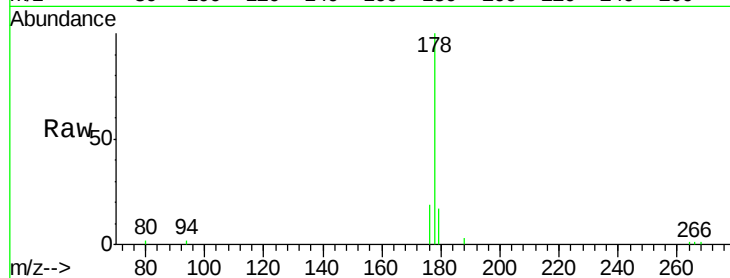
Tgt Ion:178 Resp: 5066

Ion Ratio Lower Upper

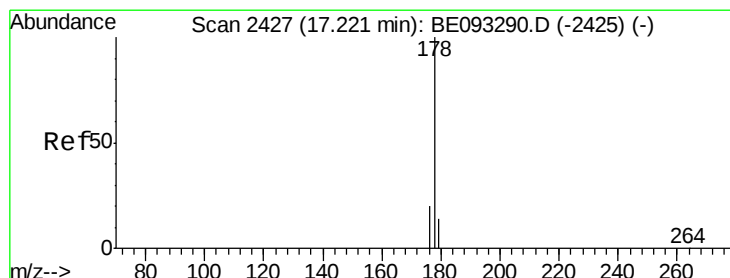
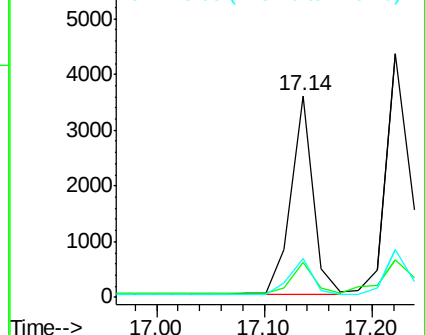
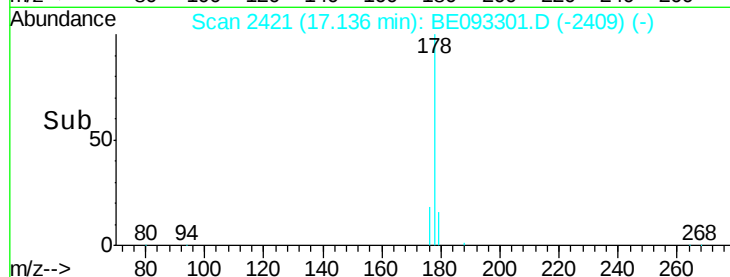
178 100

179 17.2 18.4 27.6#

176 19.1 13.6 20.4



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



#13

Anthracene

Concen: 0.18 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

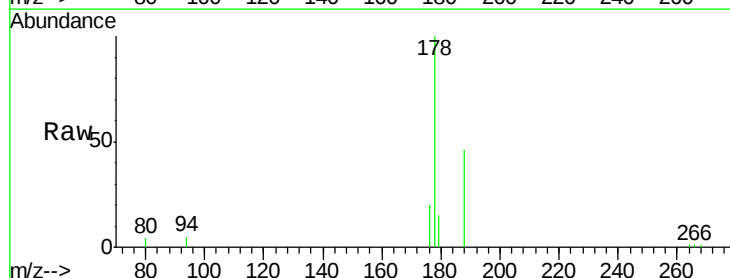
Tgt Ion:178 Resp: 7006

Ion Ratio Lower Upper

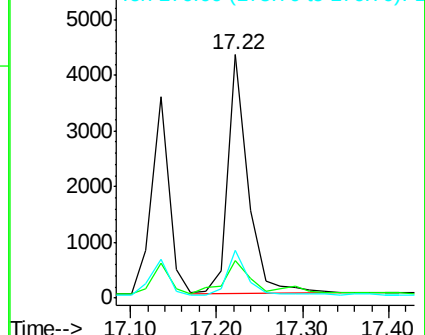
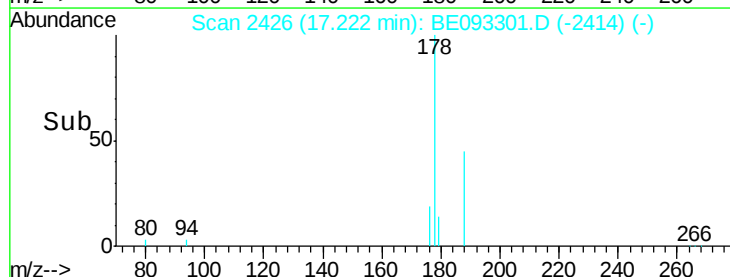
178 100

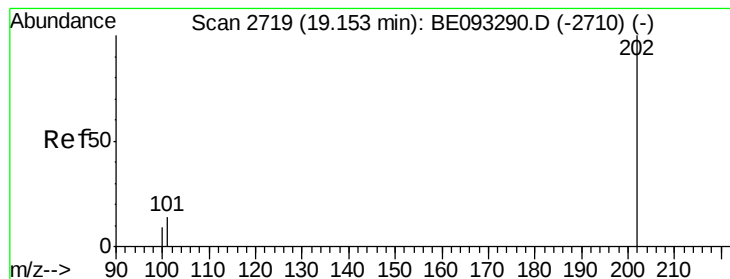
179 15.4 18.1 27.1#

176 19.9 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: 0.59 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

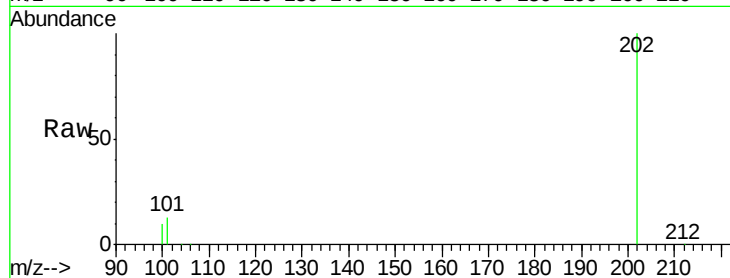
Tgt Ion:202 Resp: 32053

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.3

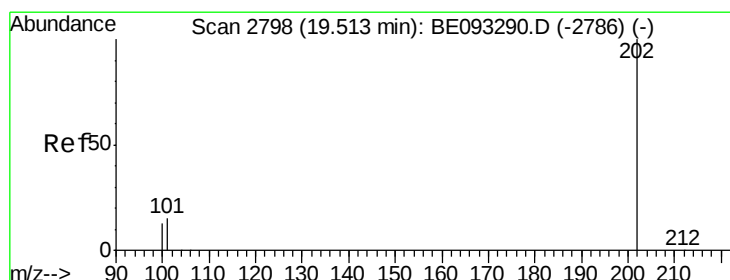
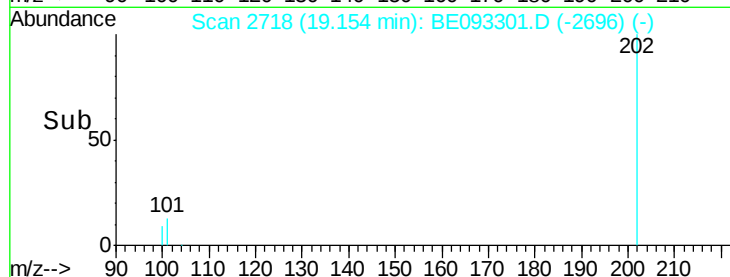
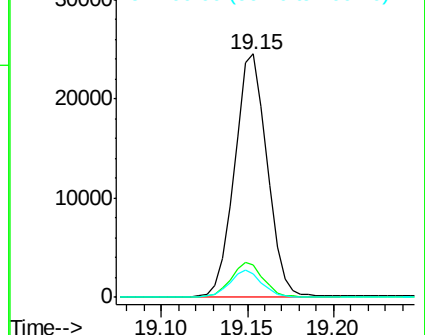
100 9.6 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.80 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

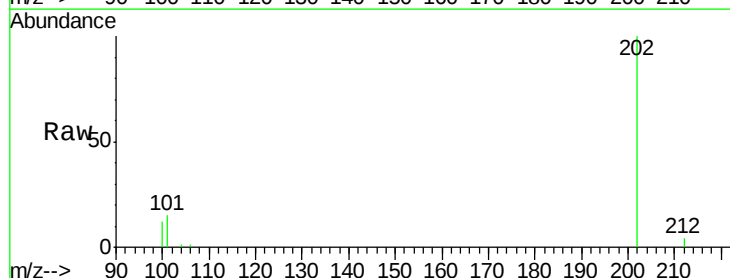
Tgt Ion:202 Resp: 38754

Ion Ratio Lower Upper

202 100

101 15.5 18.2 27.4#

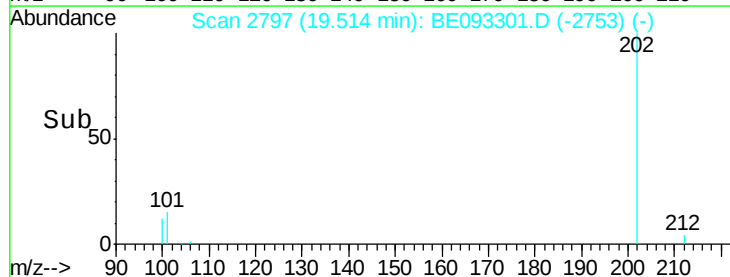
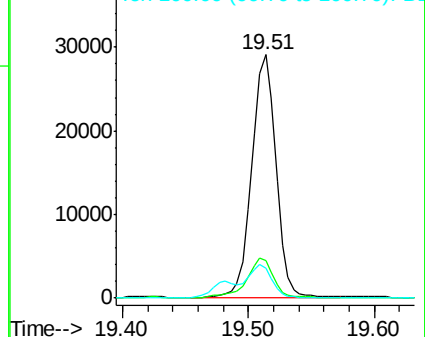
100 12.5 15.6 23.4#

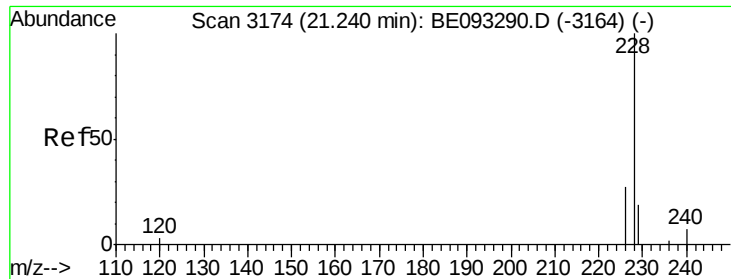


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

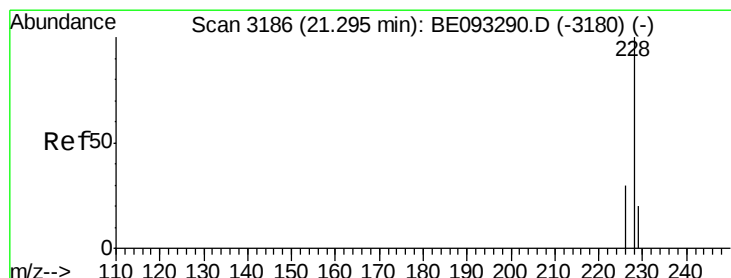
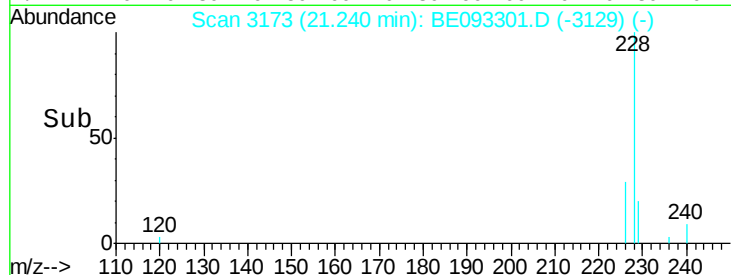
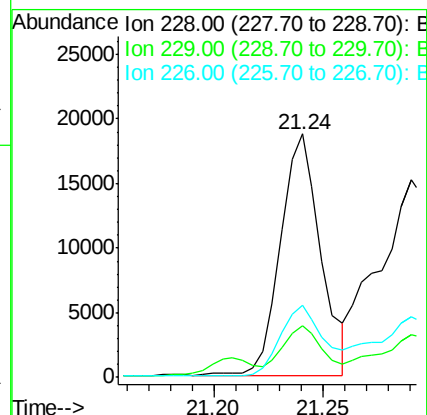
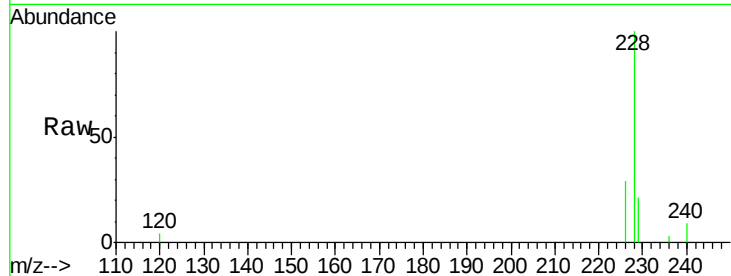
Tgt Ion:228 Resp: 23829

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

226 29.5 17.0 25.6#



#19

Chrysene

Concen: 0.61 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

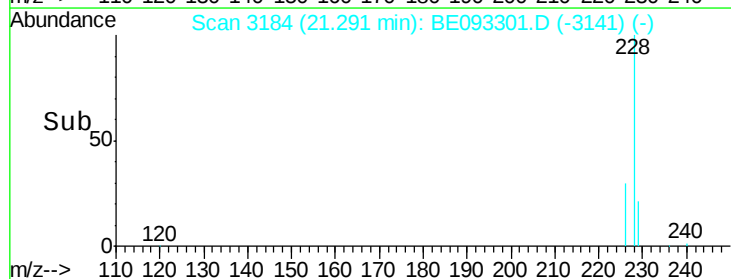
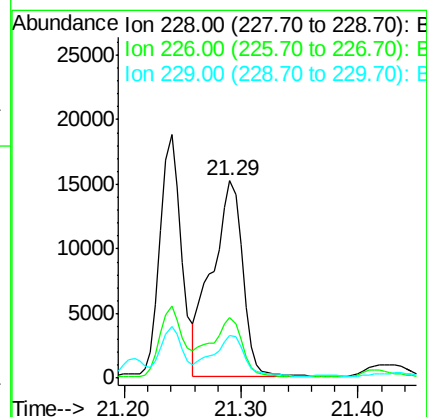
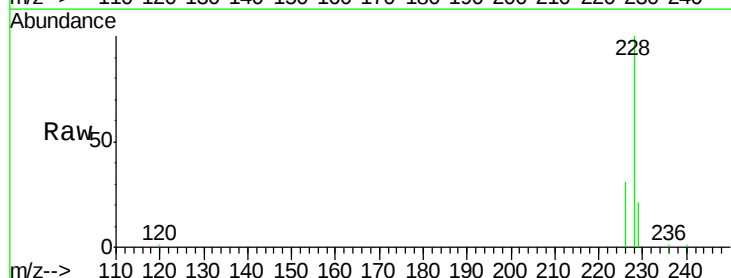
Tgt Ion:228 Resp: 27559

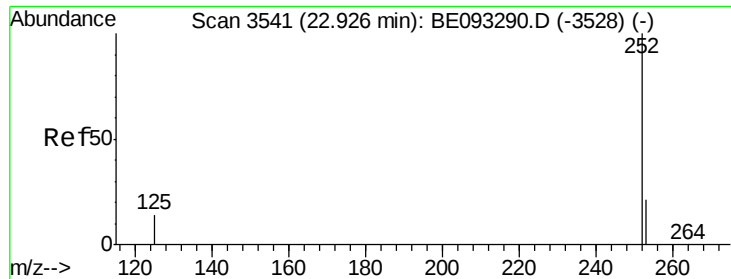
Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 21.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.49 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

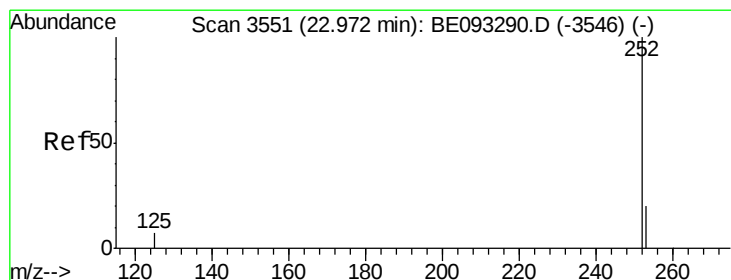
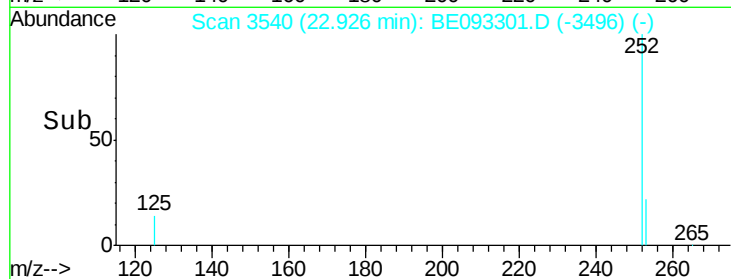
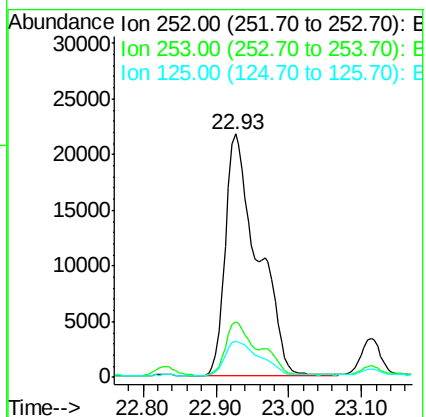
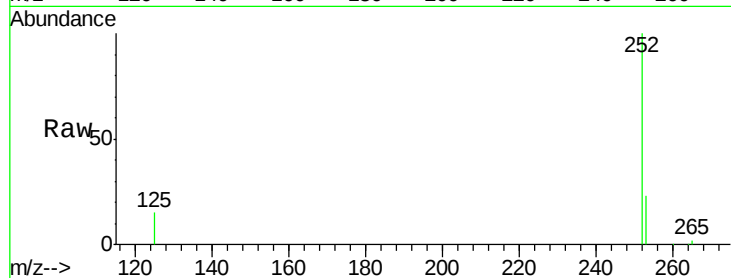
Tgt Ion:252 Resp: 67289

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

125 15.1 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 1.40 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

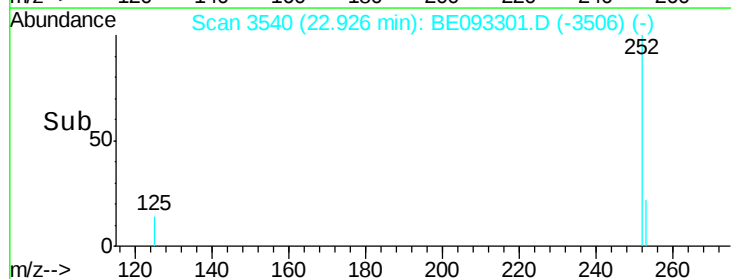
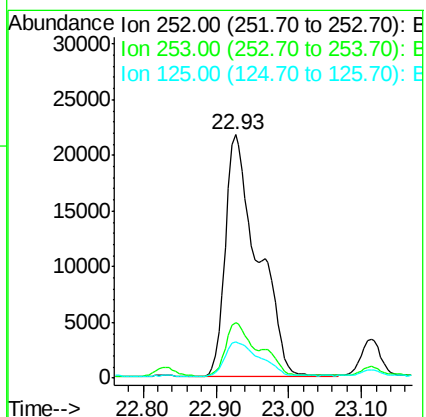
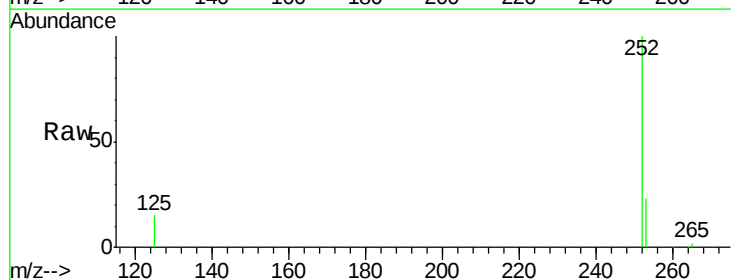
Tgt Ion:252 Resp: 67289

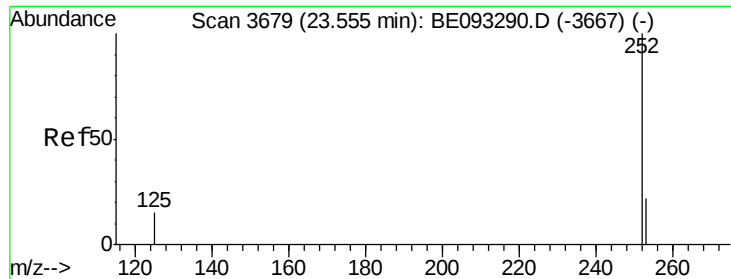
Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

125 15.1 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.56 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

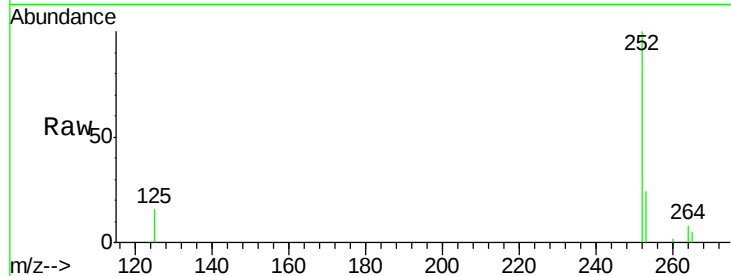
Tgt Ion:252 Resp: 23707

Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

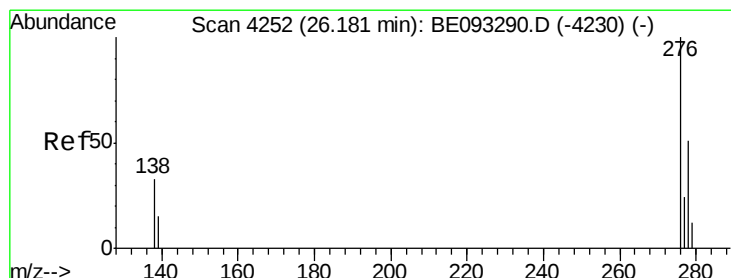
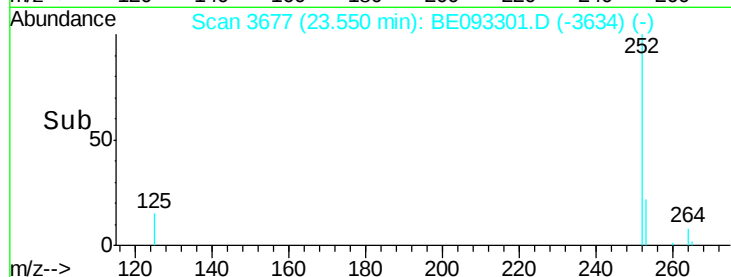
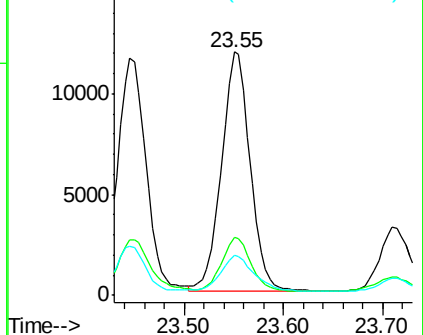
125 16.5 18.1 27.1#



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: 0.34 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.01 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

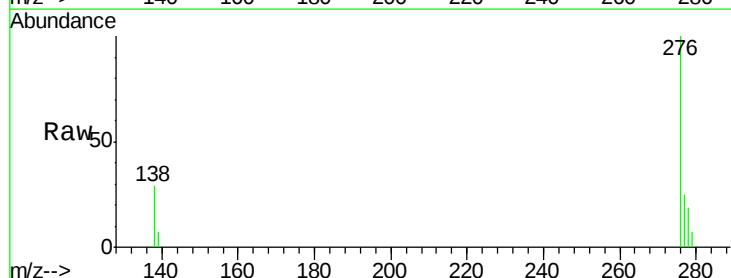
Tgt Ion:276 Resp: 16983

Ion Ratio Lower Upper

276 100

138 29.9 28.0 42.0

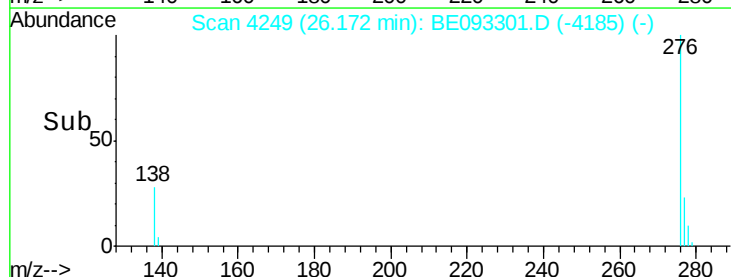
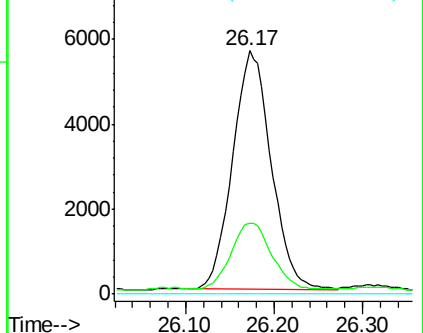
227 0.0 8.0 12.0#

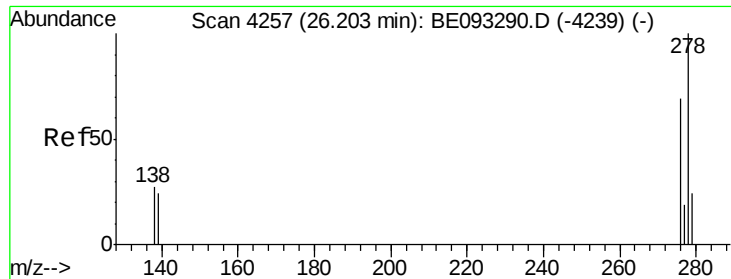


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

Instrument :

BNA_E

ClientSampleId :

F5A81DL

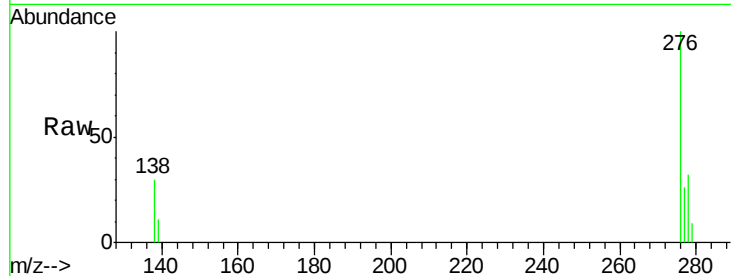
Tgt Ion:278 Resp: 4331

Ion Ratio Lower Upper

278 100

139 33.2 17.4 26.0#

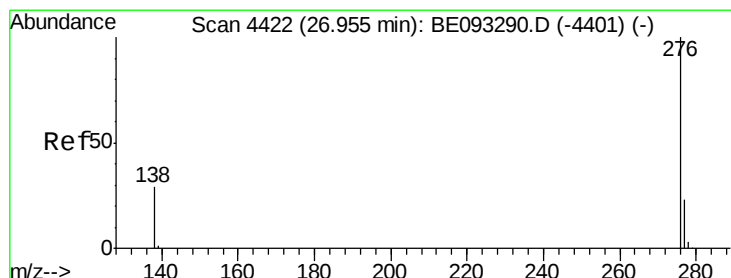
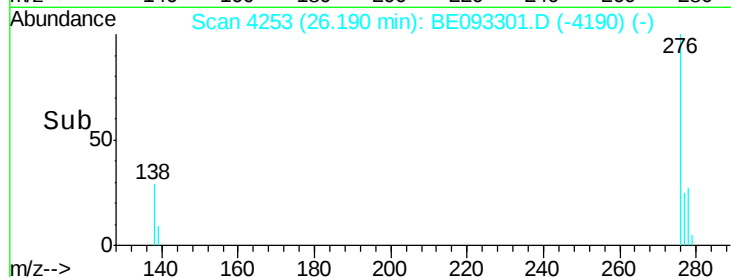
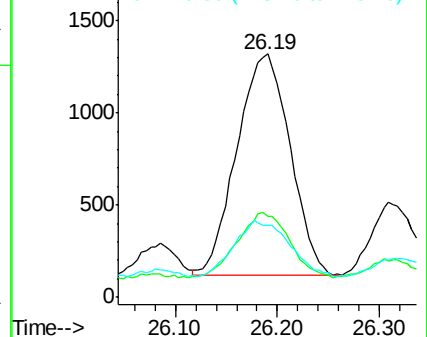
279 29.4 25.9 38.9



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: 0.31 ng/ul

RT: 26.95 min Scan# 4419

Delta R.T. -0.01 min

Lab File: BE093301.D

Acq: 21 Jun 2017 3:10

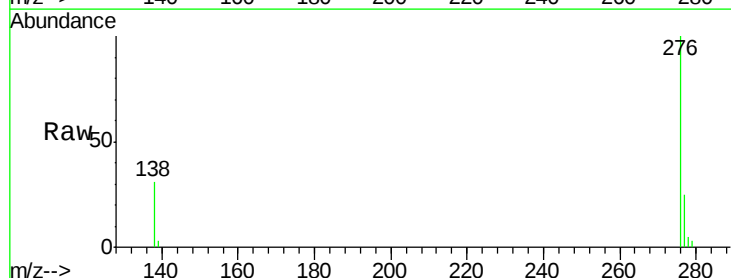
Tgt Ion:276 Resp: 13059

Ion Ratio Lower Upper

276 100

138 31.3 21.8 32.8

277 25.2 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

