

Data File : BE093305.D
Acq On : 21 Jun 2017 5:37
Operator : SJ/JU
Sample : I3599-15DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C91DL

Quant Time: Jun 21 07:03:07 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	1818	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9755	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5838	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14524	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14883	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12749	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	504	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1474	0.04	ng/ul	0.00

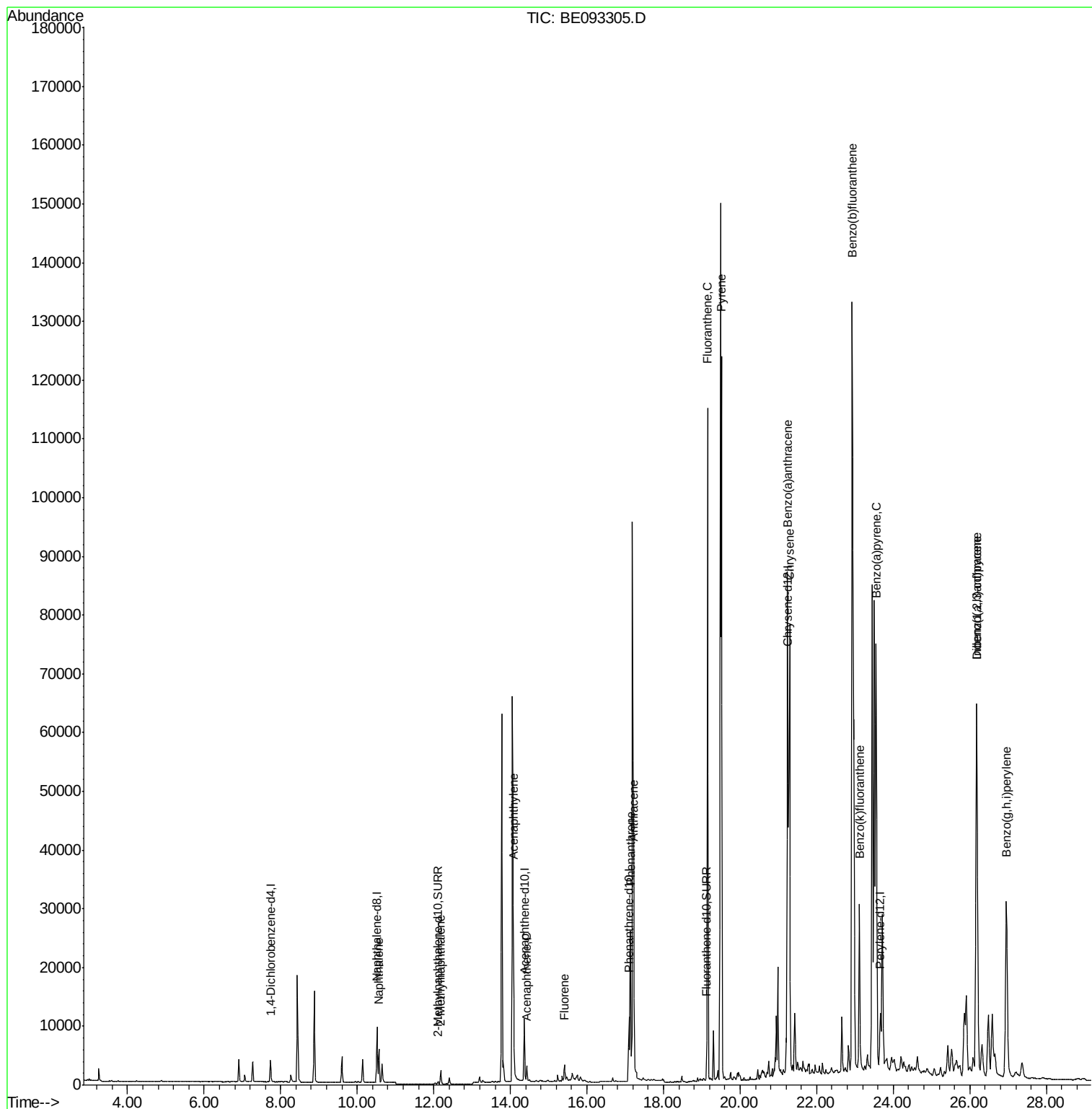
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	8521	0.35	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1954	0.12	ng/ul	100
7) Acenaphthylene	14.08	152	31918	1.27	ng/ul	96
8) Acenaphthene	14.42	153	1520	0.08	ng/ul	96
9) Fluorene	15.41	166	2095	0.09	ng/ul	90
12) Phenanthrene	17.13	178	26853	0.67	ng/ul#	89
13) Anthracene	17.22	178	39549	1.14	ng/ul#	89
15) Fluoranthene	19.15	202	120539	2.46	ng/ul	83
17) Pyrene	19.51	202	129916	2.96	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	70234	1.77	ng/ul#	84
19) Chrysene	21.29	228	96974	2.35	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	293988	7.60	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	37127	0.90	ng/ul	93
23) Benzo(a)pyrene	23.55	252	104986	2.87	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	106571	2.52	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	27611	0.77	ng/ul	92
26) Benzo(g,h,i)perylene	26.96	276	65494	1.80	ng/ul	97

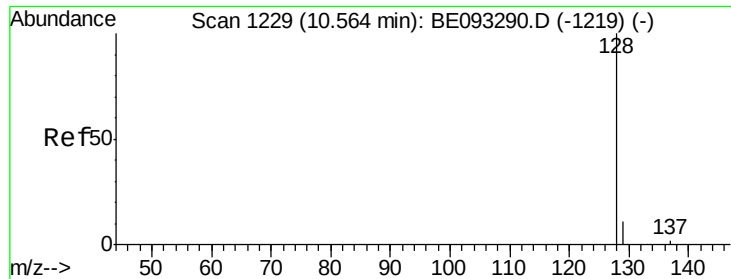
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BE093305.D
Acq On : 21 Jun 2017 5:37
Operator : SJ/JU
Sample : I3599-15DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C91DL

Quant Time: Jun 21 07:03:07 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: 0.35 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

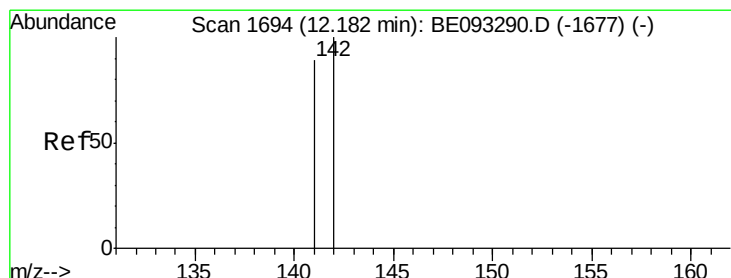
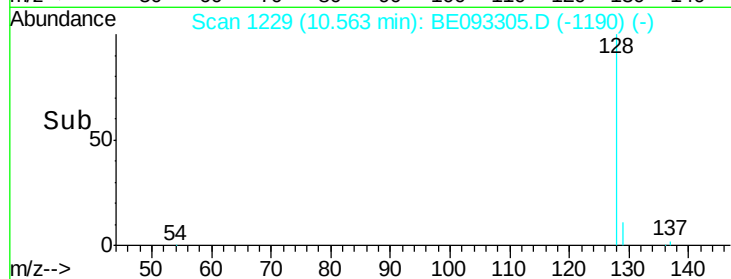
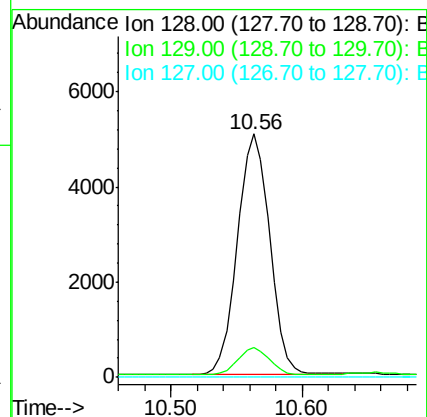
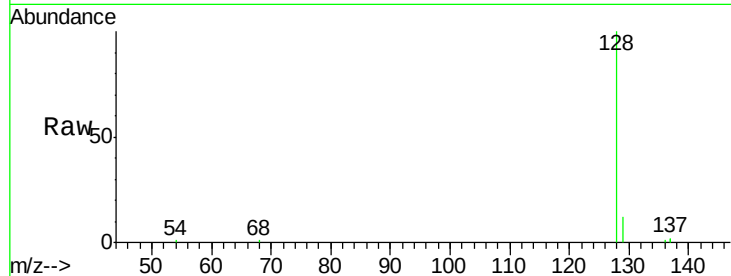
Tgt Ion:128 Resp: 8521

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.12 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093305.D

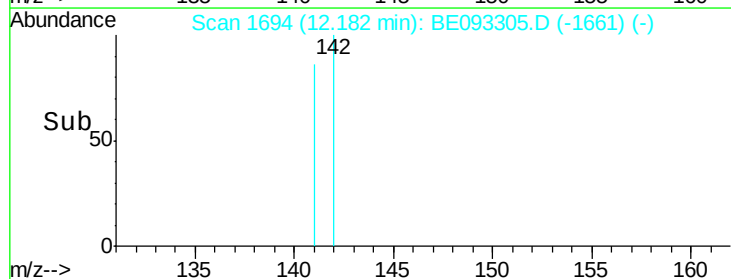
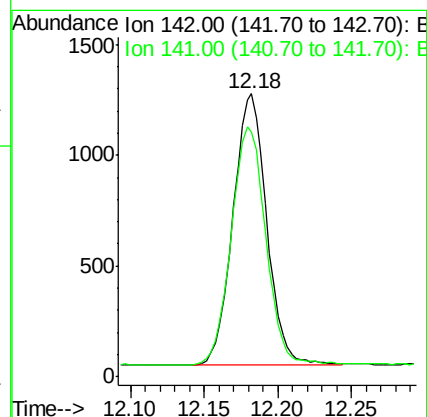
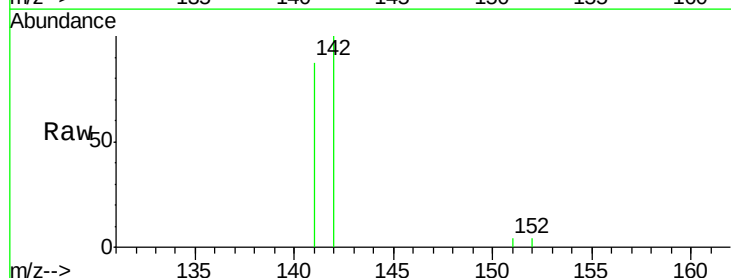
Acq: 21 Jun 2017 5:37

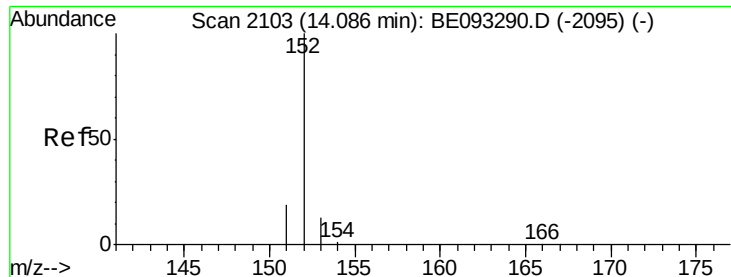
Tgt Ion:142 Resp: 1954

Ion Ratio Lower Upper

142 100

141 90.5 72.6 108.8





#7

Acenaphthylene

Concen: 1.27 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

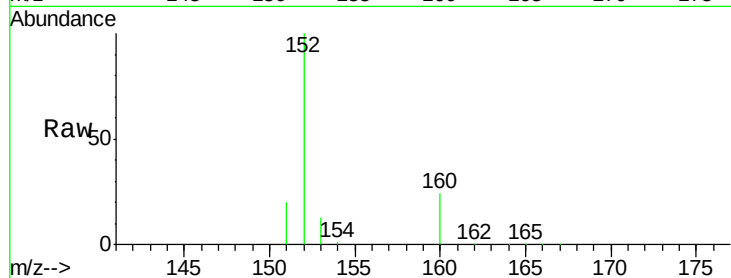
Tgt Ion:152 Resp: 31918

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

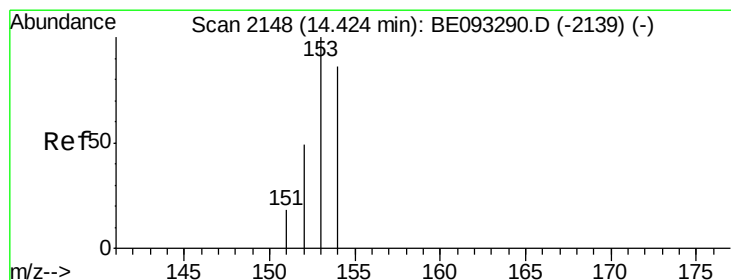
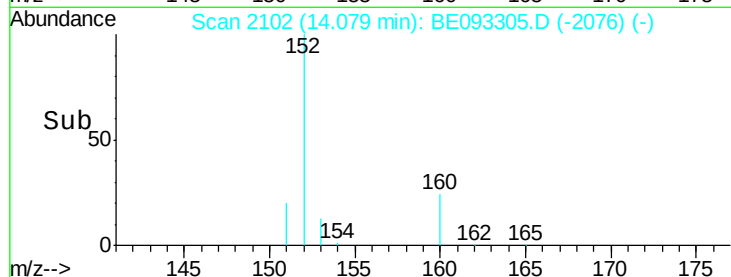
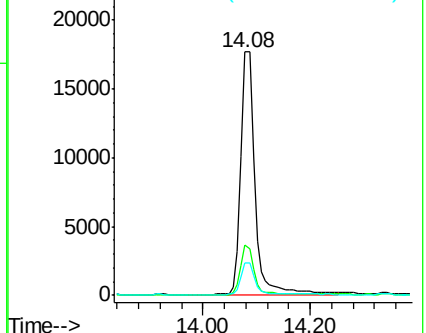
153 13.2 12.8 19.2



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: 0.08 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

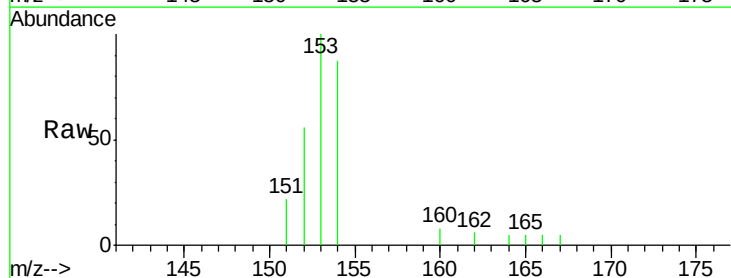
Tgt Ion:153 Resp: 1520

Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

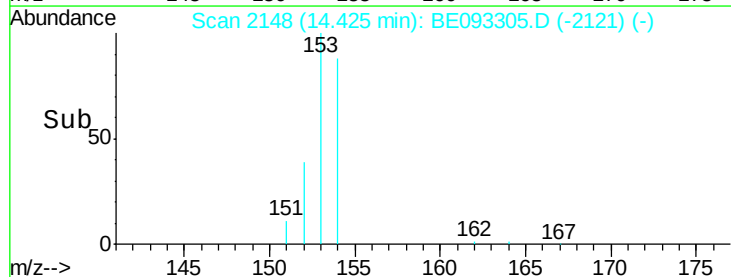
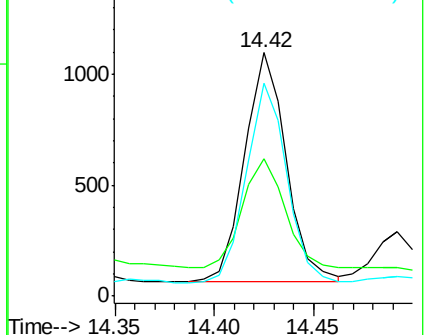
154 87.3 71.4 107.2

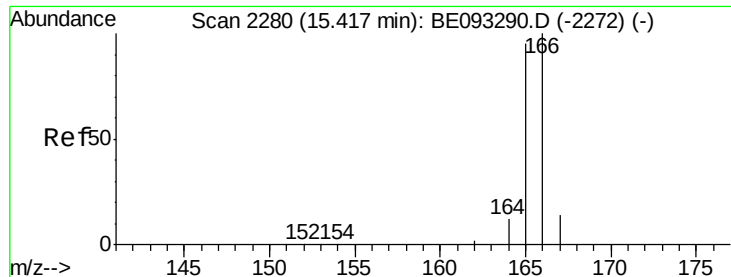


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

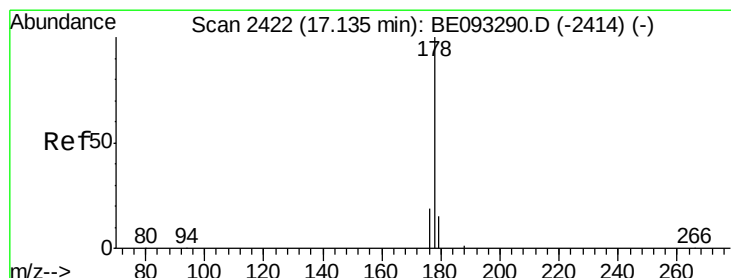
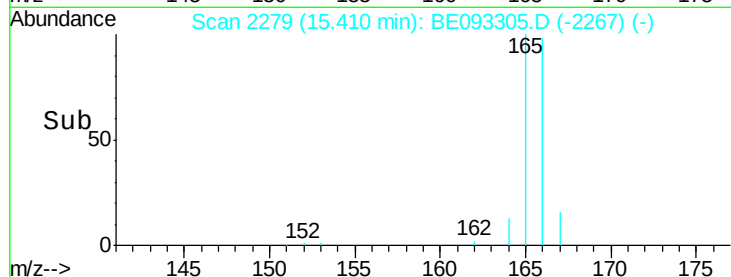
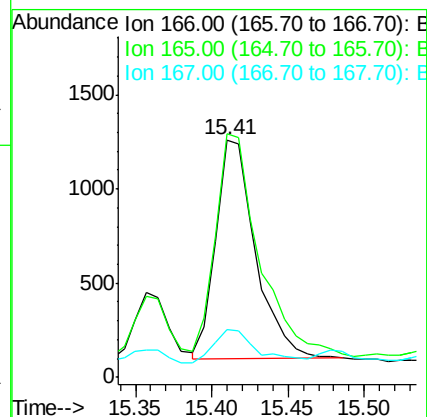
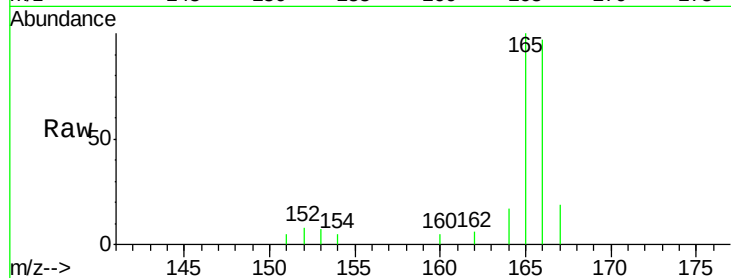
Tgt Ion:166 Resp: 2095

Ion Ratio Lower Upper

166 100

165 102.6 73.4 110.2

167 19.9 14.6 22.0



#12

Phenanthrene

Concen: 0.67 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

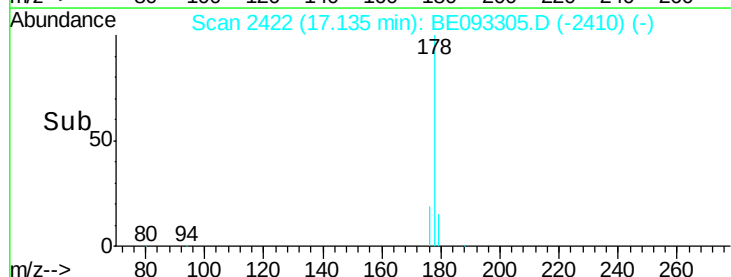
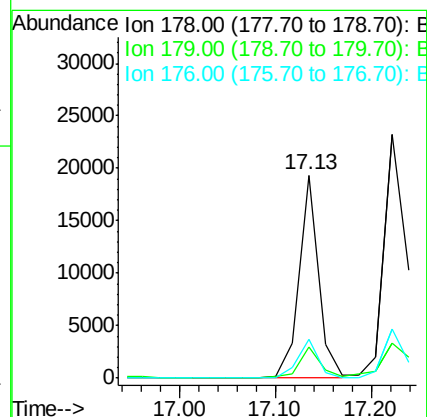
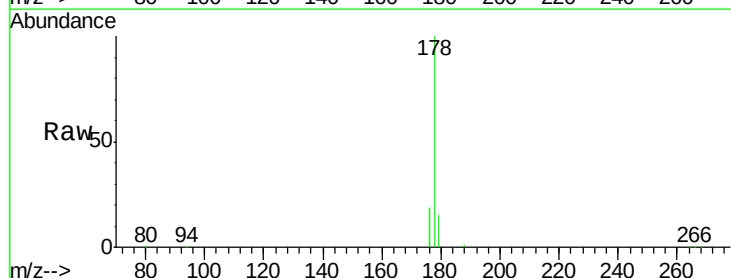
Tgt Ion:178 Resp: 26853

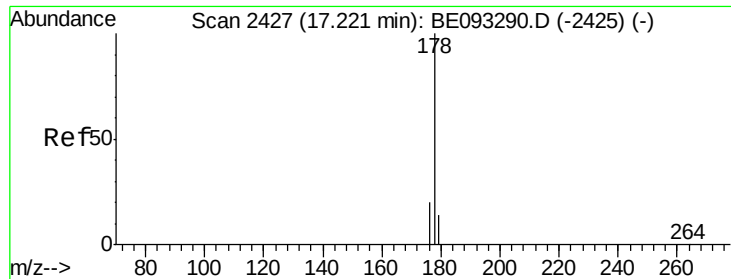
Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

176 19.1 13.6 20.4





#13

Anthracene

Concen: 1.14 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

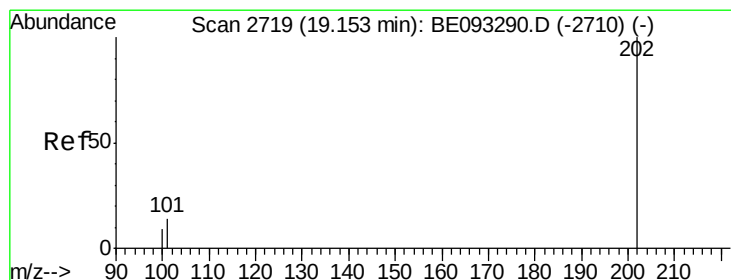
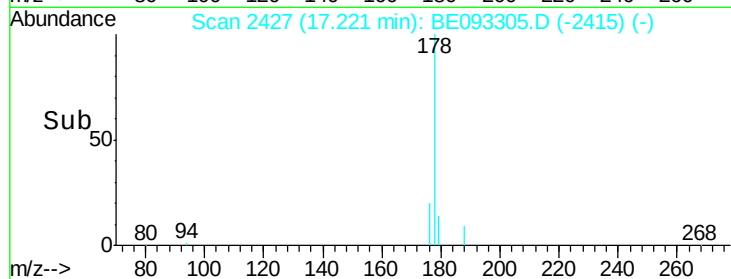
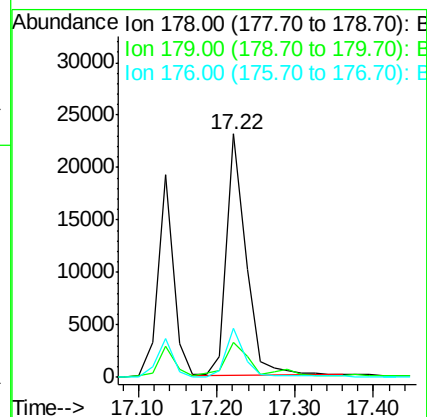
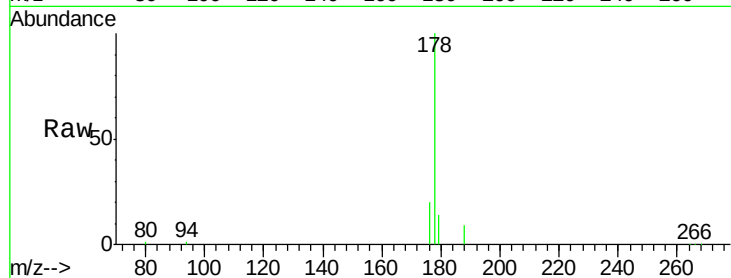
Tgt Ion:178 Resp: 39549

Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

176 20.2 14.7 22.1



#15

Fluoranthene

Concen: 2.46 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

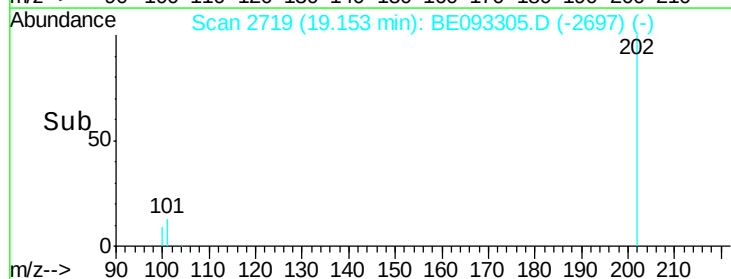
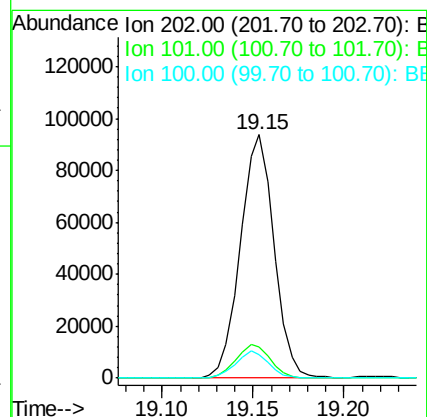
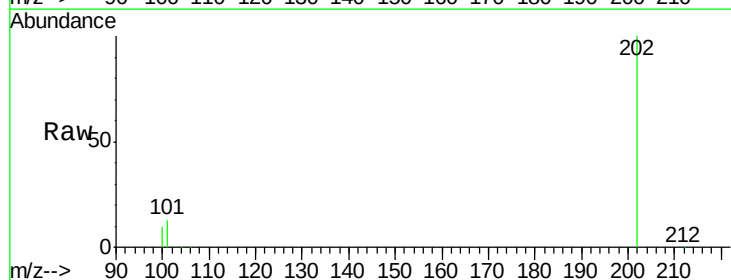
Tgt Ion:202 Resp: 120539

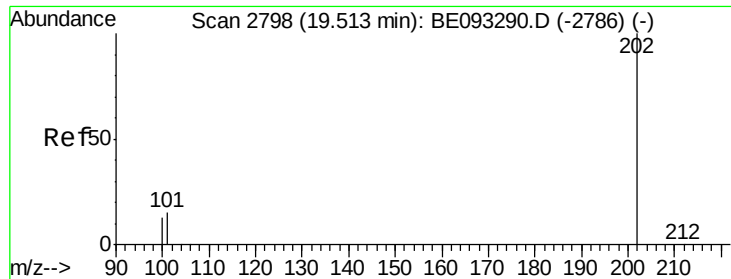
Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.3

100 9.6 0.0 39.5

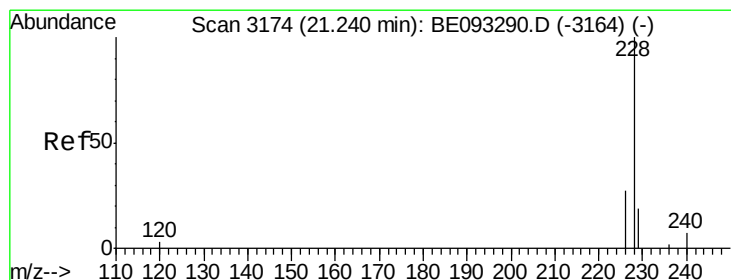
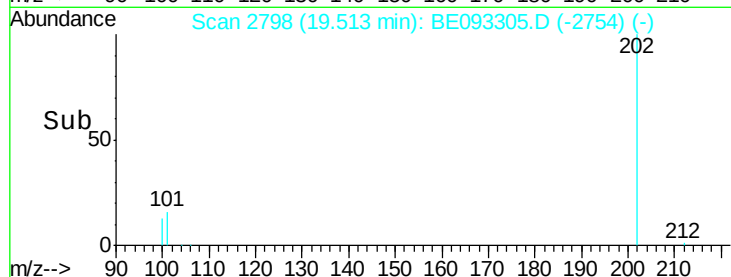
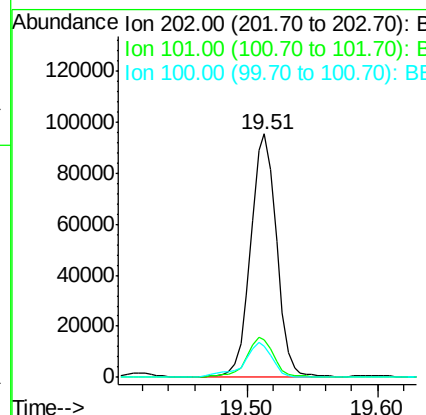
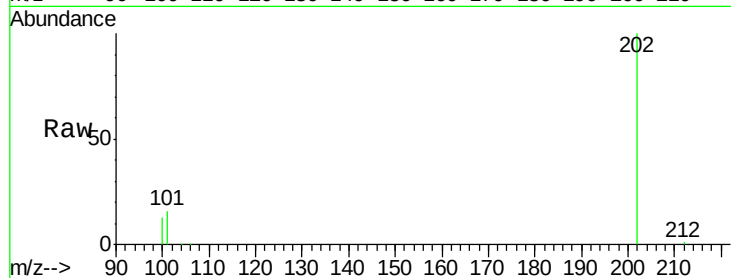




#17
Pyrene
 Concen: 2.96 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

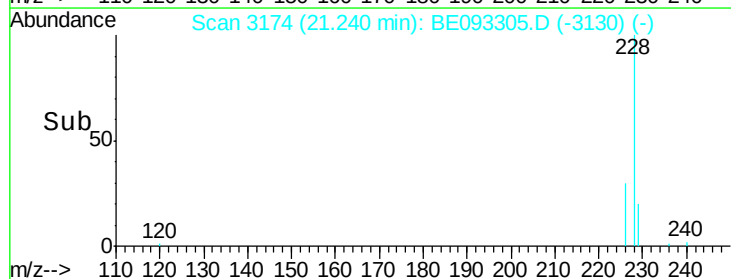
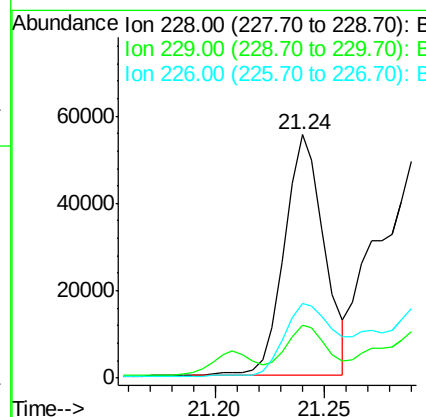
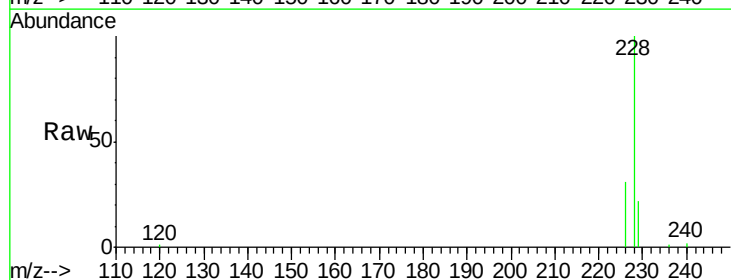
Instrument :
 BNA_E
 ClientSampleId :
 F5C91DL

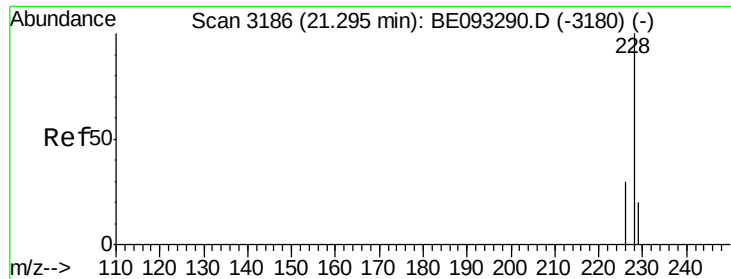
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	18.2	27.4#
100	12.8	15.6	23.4#



#18
Benzo(a)anthracene
 Concen: 1.77 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	22.8	34.2#
226	30.9	17.0	25.6#





#19

Chrysene

Concen: 2.35 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

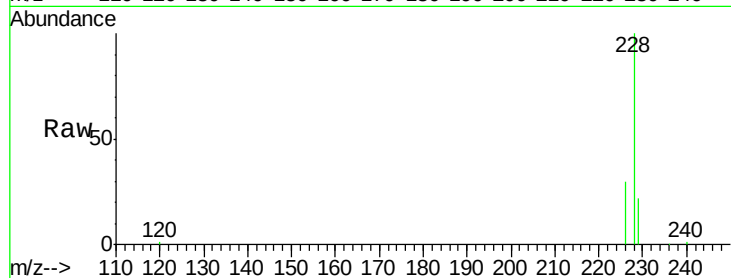
Tgt Ion:228 Resp: 96974

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

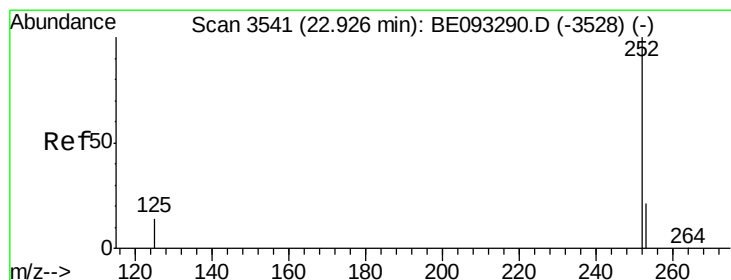
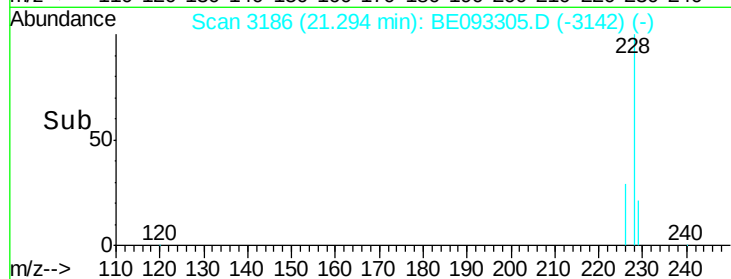
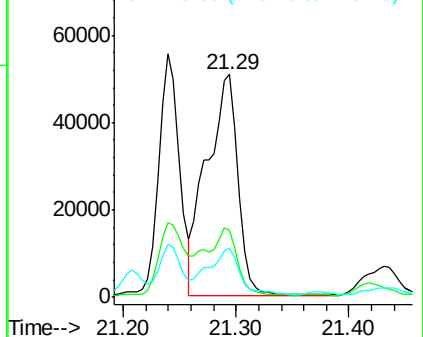
229 22.2 17.7 26.5



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: 7.60 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

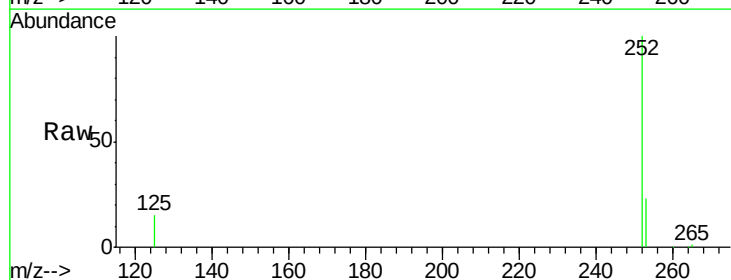
Tgt Ion:252 Resp: 293988

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

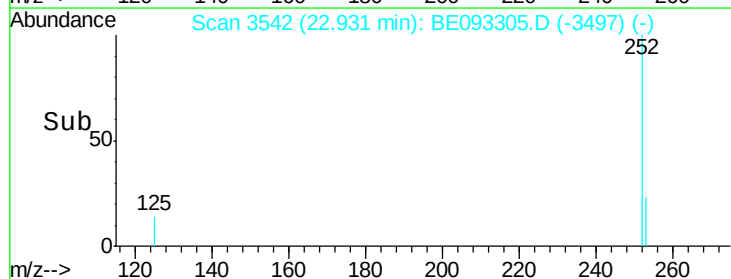
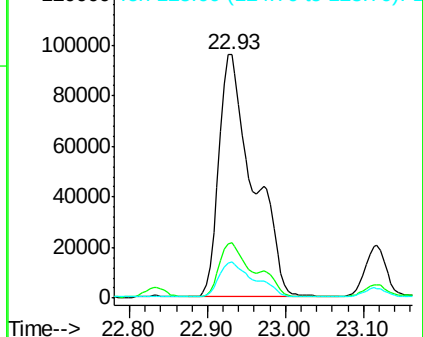
125 14.6 0.0 35.0

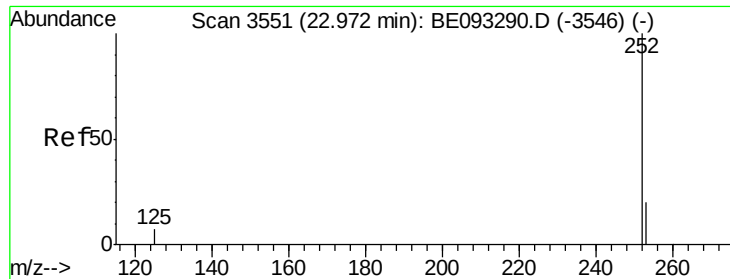


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.90 ng/ul

RT: 23.12 min Scan# 3583

Delta R.T. 0.15 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

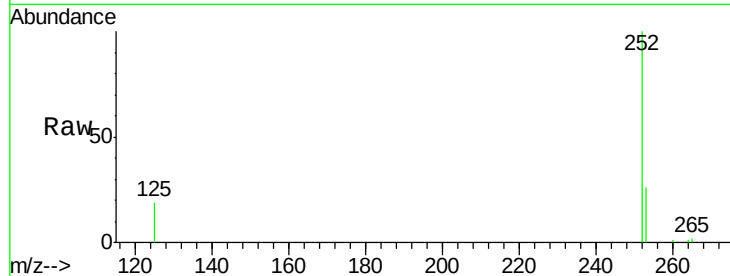
Tgt Ion:252 Resp: 37127

Ion Ratio Lower Upper

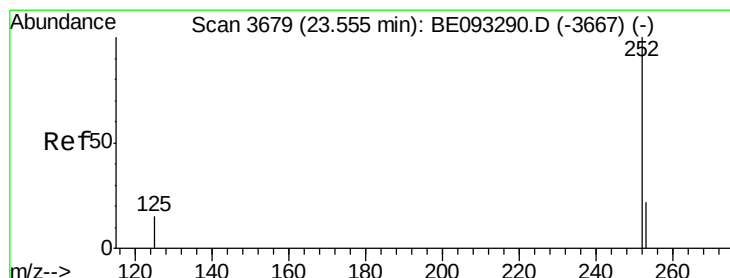
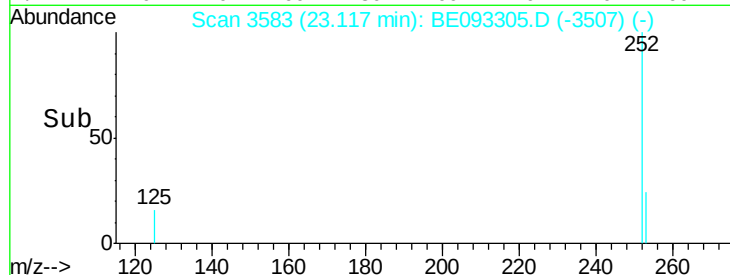
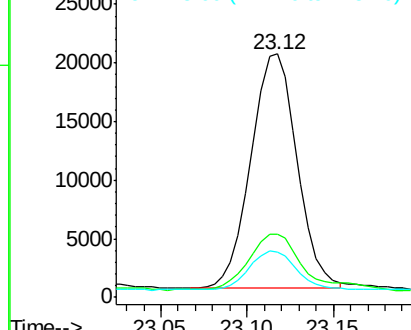
252 100

253 25.9 24.5 36.7

125 18.8 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: 2.87 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

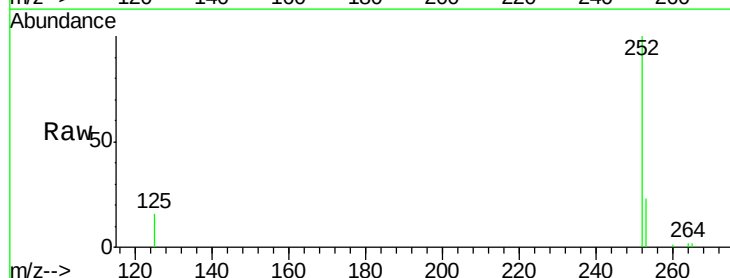
Tgt Ion:252 Resp: 104986

Ion Ratio Lower Upper

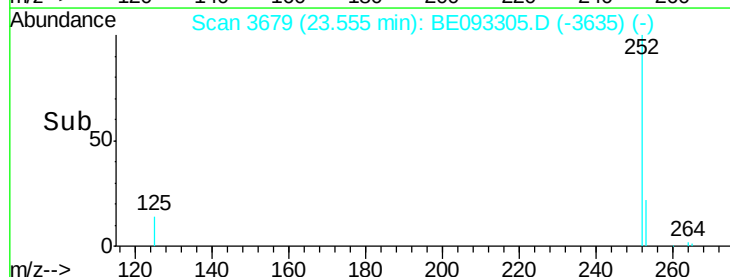
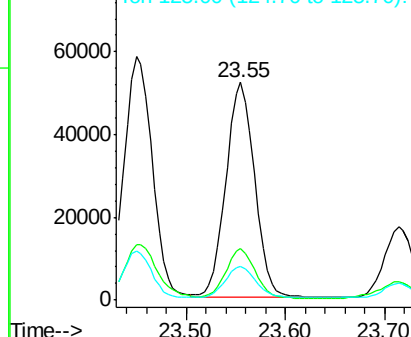
252 100

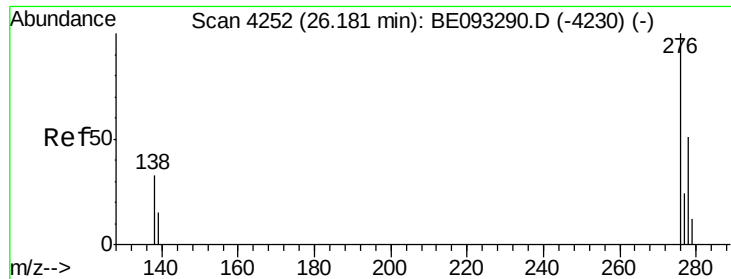
253 23.4 28.5 42.7#

125 15.5 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: 2.52 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

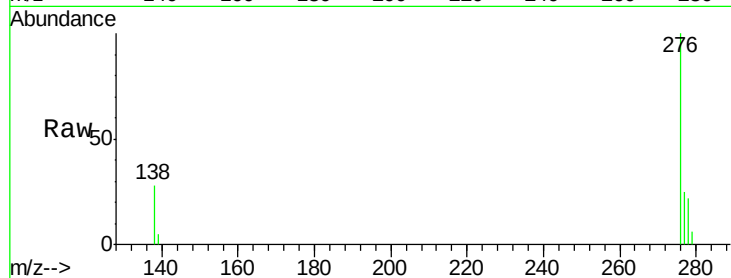
Tgt Ion:276 Resp: 106571

Ion Ratio Lower Upper

276 100

138 29.2 28.0 42.0

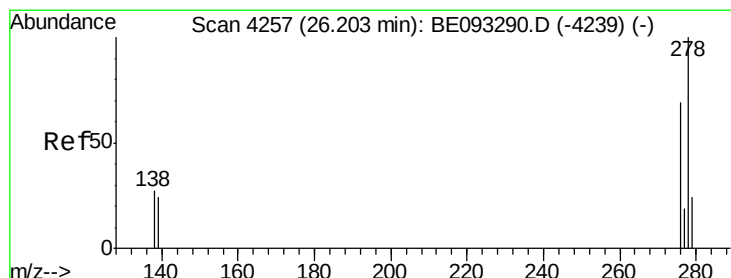
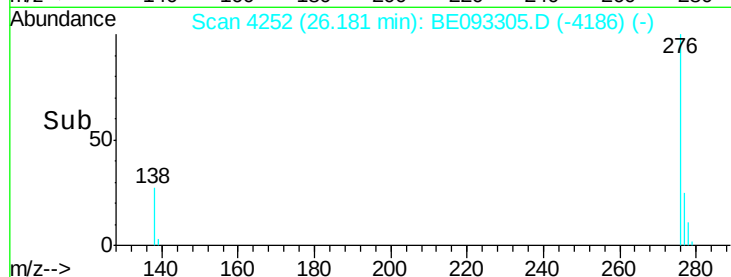
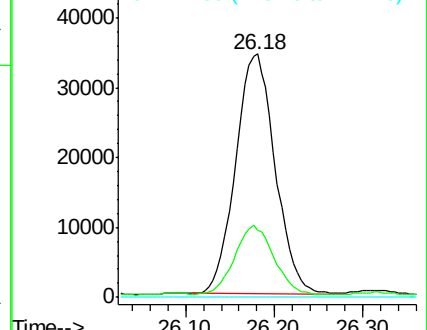
227 0.0 8.0 12.0#



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: 0.77 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

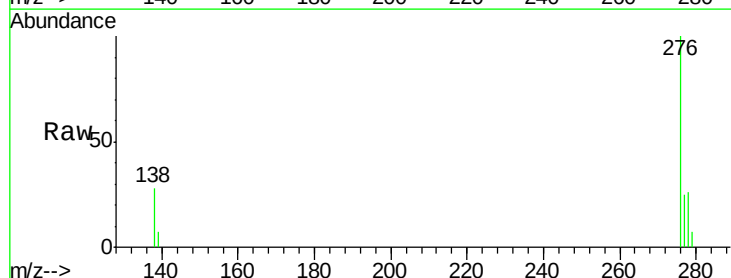
Tgt Ion:278 Resp: 27611

Ion Ratio Lower Upper

278 100

139 26.0 17.4 26.0

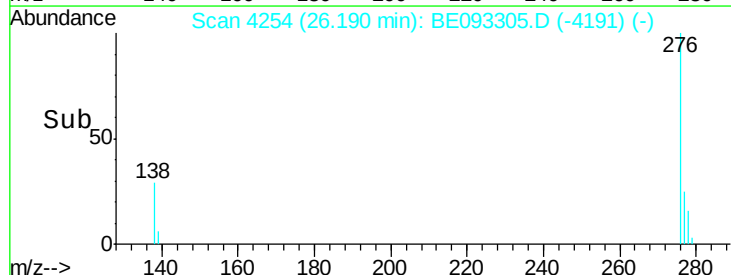
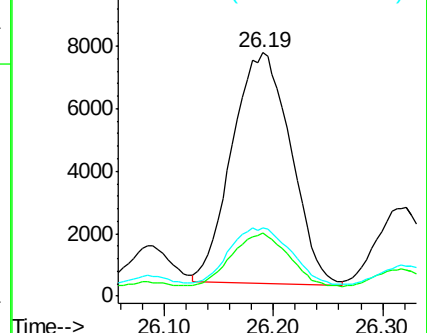
279 28.2 25.9 38.9

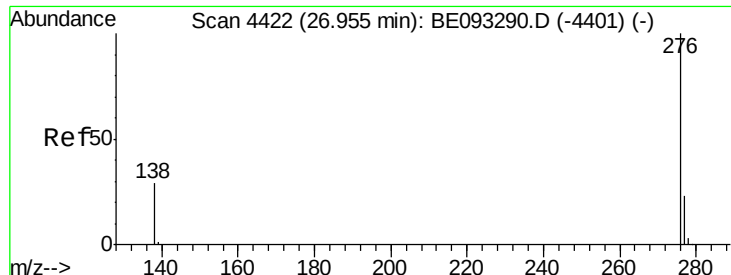


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.80 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

ClientSampleId :

F5C91DL

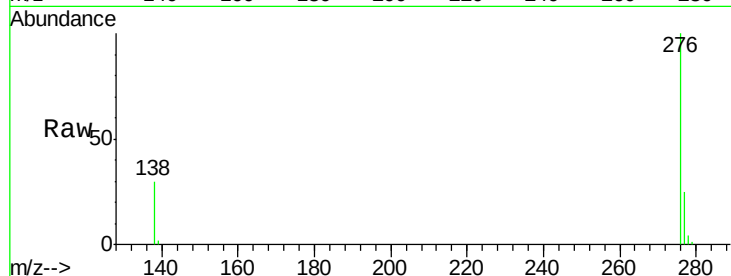
Tgt Ion: 276 Resp: 65494

Ion Ratio Lower Upper

276 100

138 29.7 21.8 32.8

277 24.7 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

