

Data File : BE093310.D
Acq On : 21 Jun 2017 11:11
Operator : SJ/JU
Sample : I3625-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A86DL

Quant Time: Jun 22 02:11:01 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	7.74	152	1487	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	7925	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4913	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12212	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12246	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11299	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	719	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1881	0.06	ng/ul	0.00

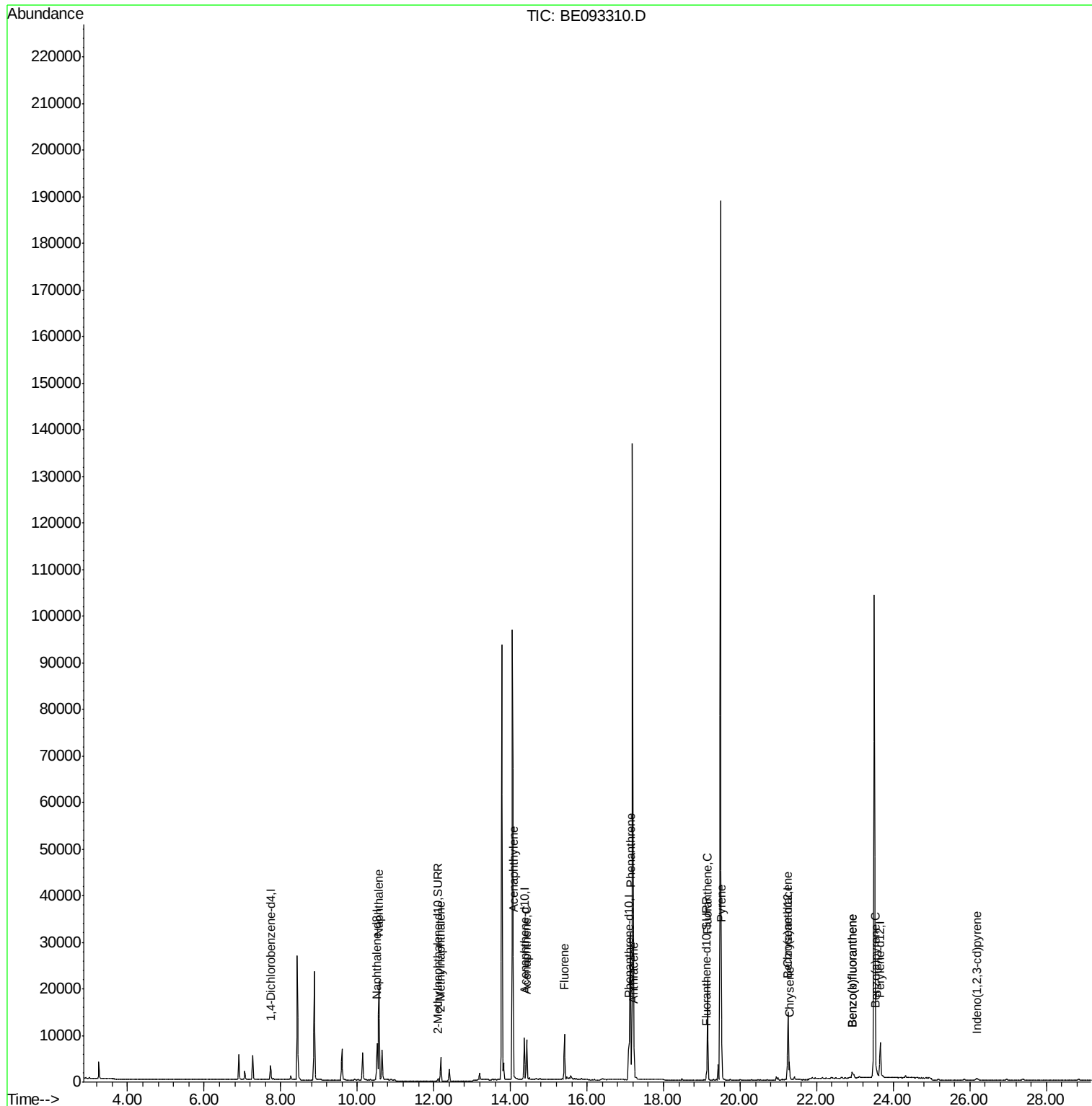
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	31417	1.60	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4391	0.33	ng/ul	99
7) Acenaphthylene	14.08	152	551	0.03	ng/ul#	73
8) Acenaphthene	14.42	153	4963	0.29	ng/ul	97
9) Fluorene	15.42	166	6282	0.32	ng/ul	95
12) Phenanthrene	17.14	178	34334	1.02	ng/ul#	91
13) Anthracene	17.22	178	5432	0.19	ng/ul#	93
15) Fluoranthene	19.15	202	22974	0.56	ng/ul	83
17) Pyrene	19.51	202	16966	0.47	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	4413	0.14	ng/ul#	86
19) Chrysene	21.29	228	3742	0.11	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	3106	0.09	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	3106	0.09	ng/ul#	85
23) Benzo(a)pyrene	23.55	252	1182	0.04	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.18	276	404	0.01	ng/ul#	68

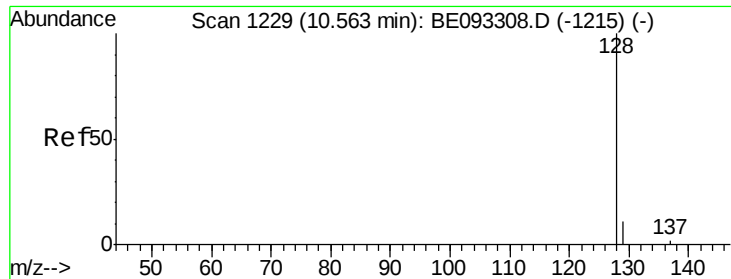
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.60 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

F5A86DL

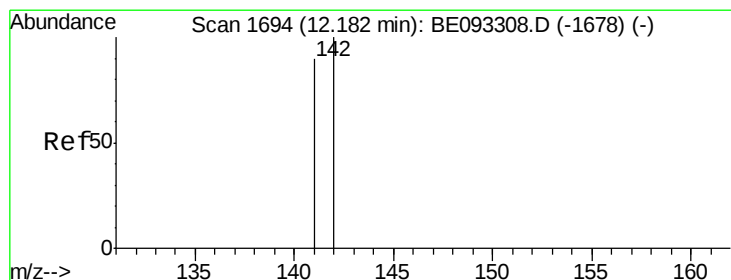
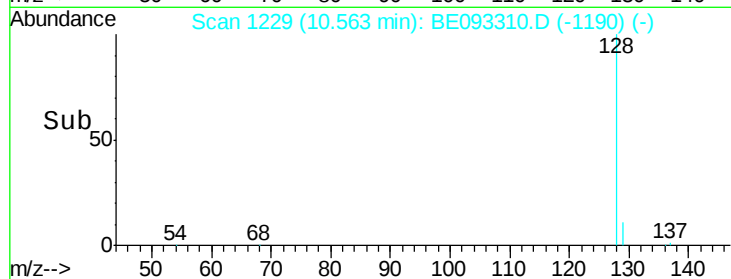
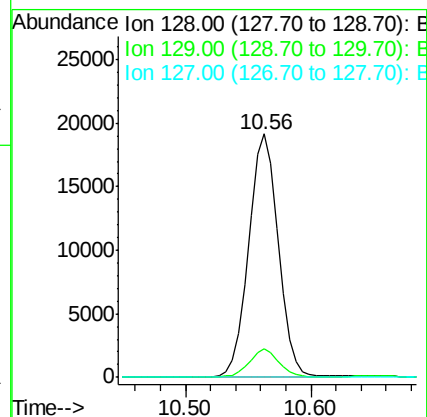
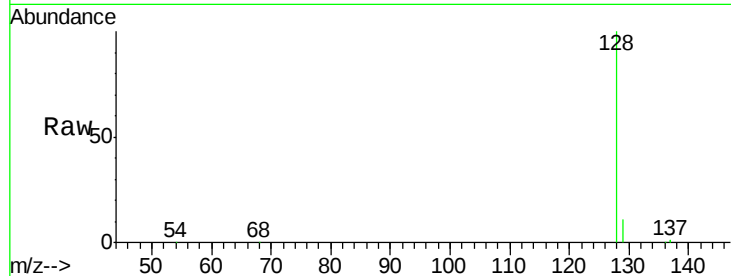
Tgt Ion:128 Resp: 31417

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.33 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093310.D

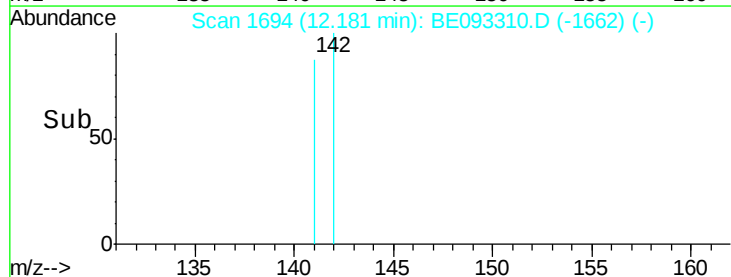
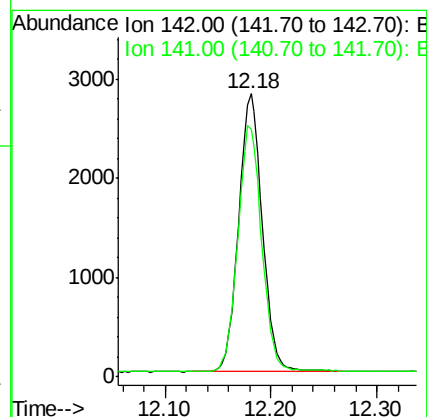
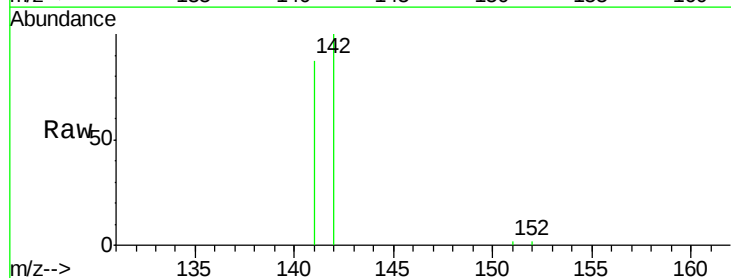
Acq: 21 Jun 2017 11:11

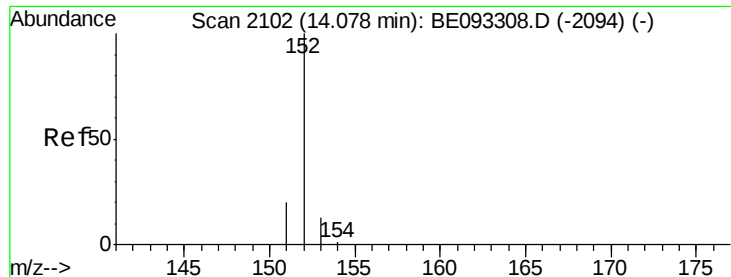
Tgt Ion:142 Resp: 4391

Ion Ratio Lower Upper

142 100

141 89.5 72.6 108.8





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

F5A86DL

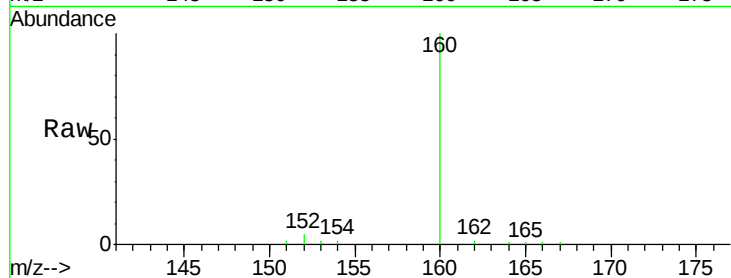
Tgt Ion:152 Resp: 551

Ion Ratio Lower Upper

152 100

151 31.3 17.1 25.7#

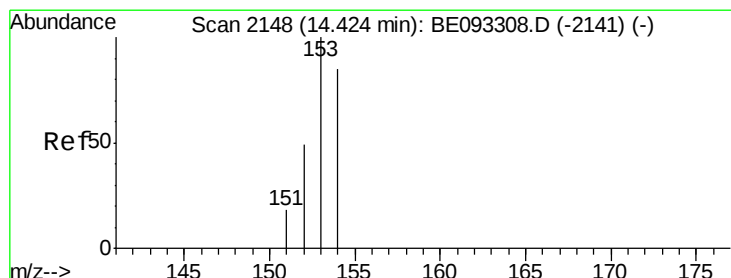
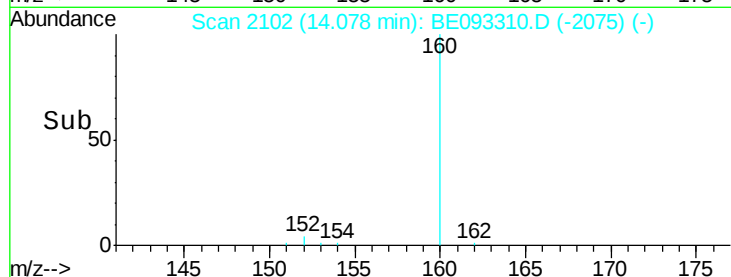
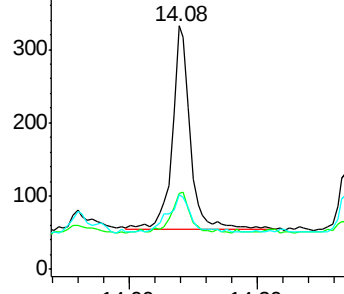
153 30.4 12.8 19.2#



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: 0.29 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

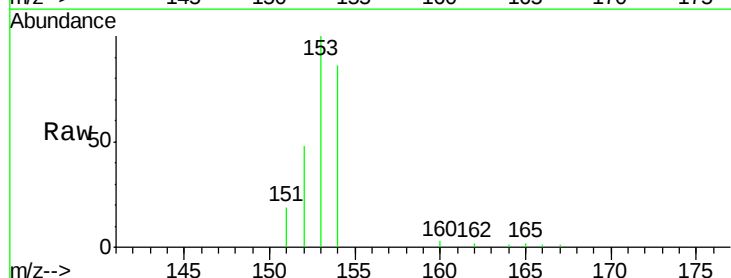
Tgt Ion:153 Resp: 4963

Ion Ratio Lower Upper

153 100

152 48.4 40.3 60.5

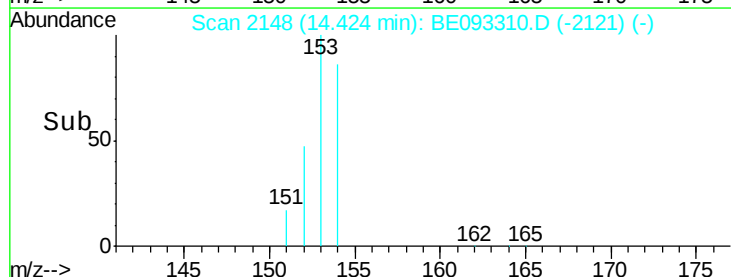
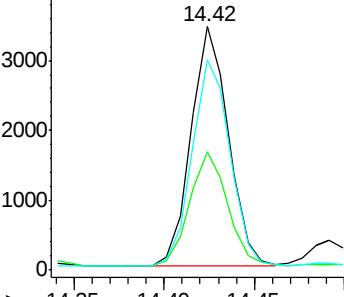
154 86.4 71.4 107.2

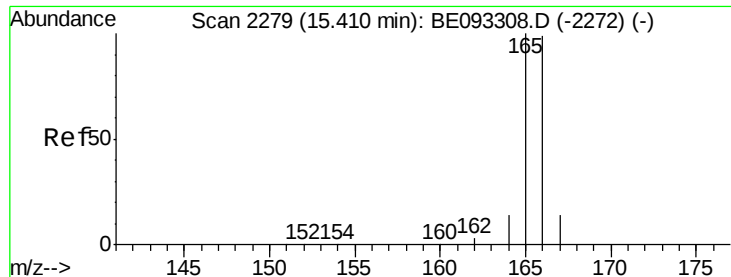


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.32 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

F5A86DL

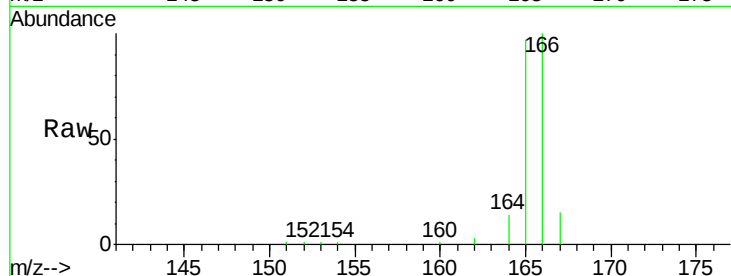
Tgt Ion:166 Resp: 6282

Ion Ratio Lower Upper

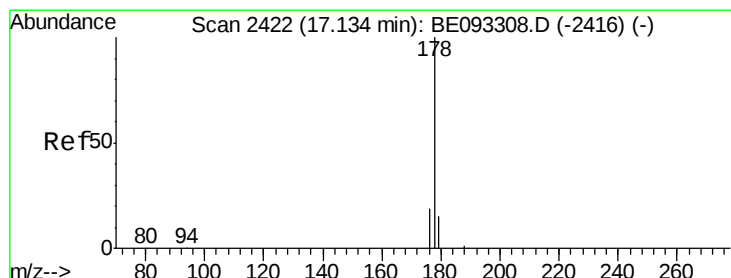
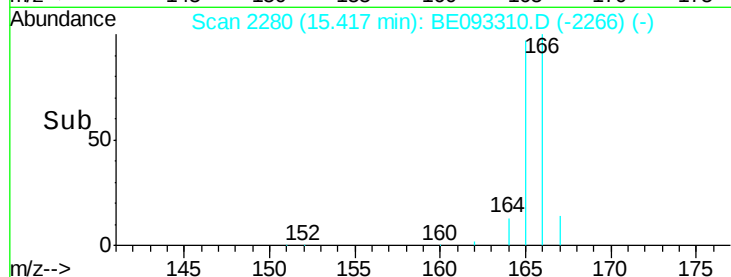
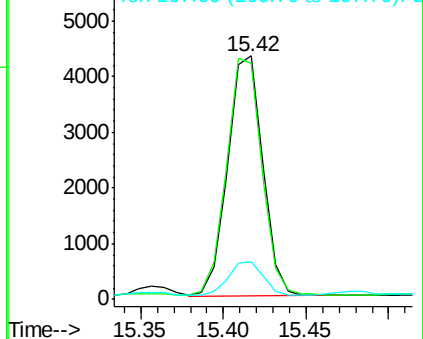
166 100

165 96.8 73.4 110.2

167 15.5 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



#12

Phenanthrene

Concen: 1.02 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

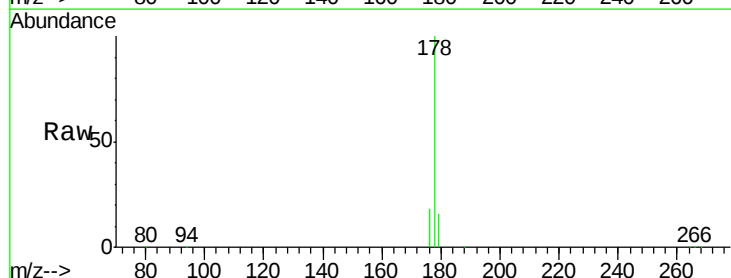
Tgt Ion:178 Resp: 34334

Ion Ratio Lower Upper

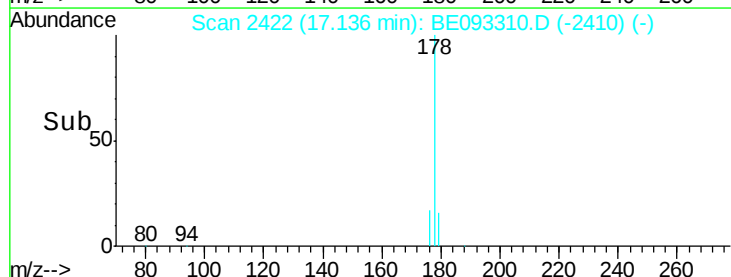
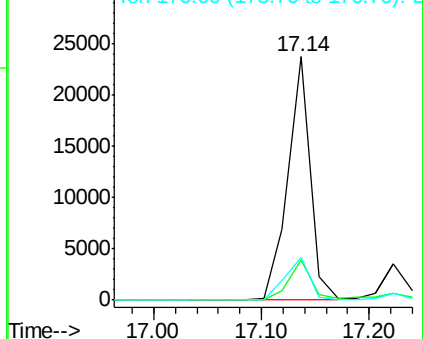
178 100

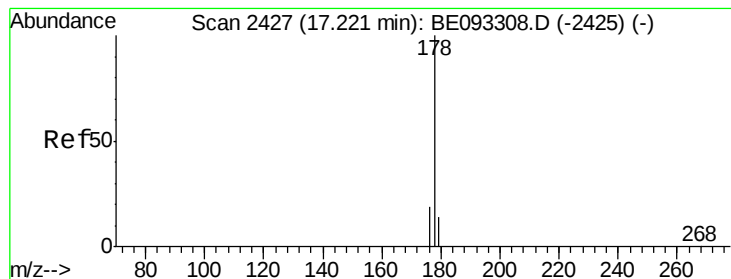
179 16.2 18.4 27.6#

176 17.7 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: 0.19 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

F5A86DL

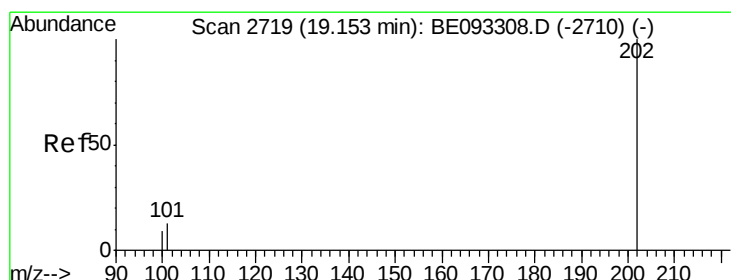
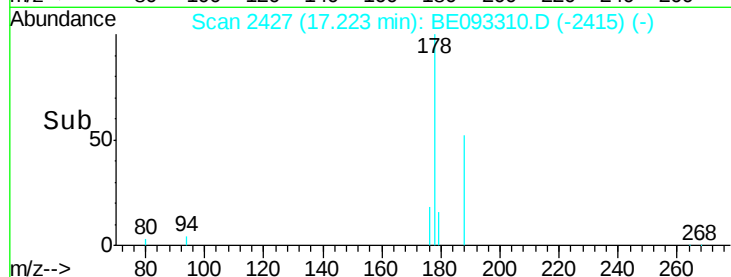
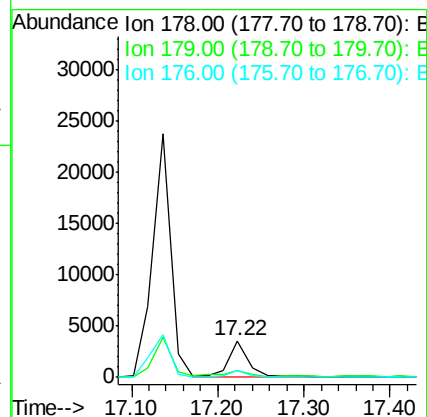
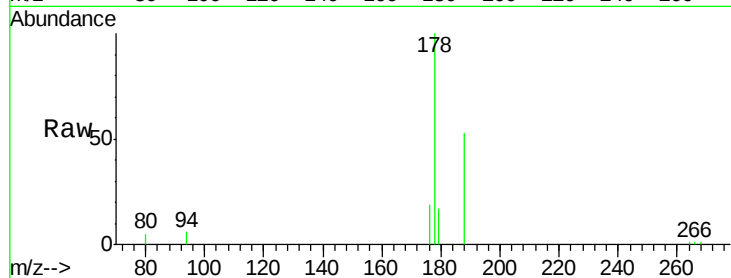
Tgt Ion:178 Resp: 5432

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

176 19.4 14.7 22.1



#15

Fluoranthene

Concen: 0.56 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

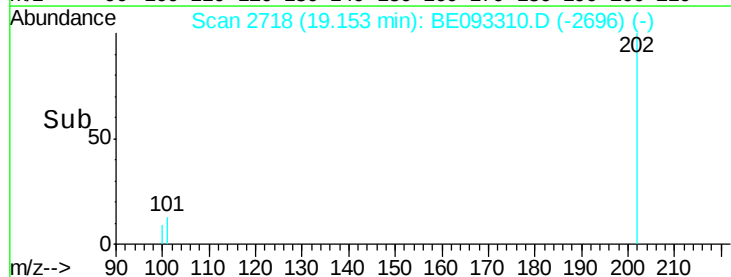
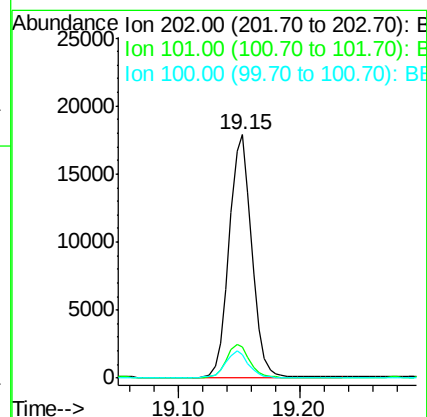
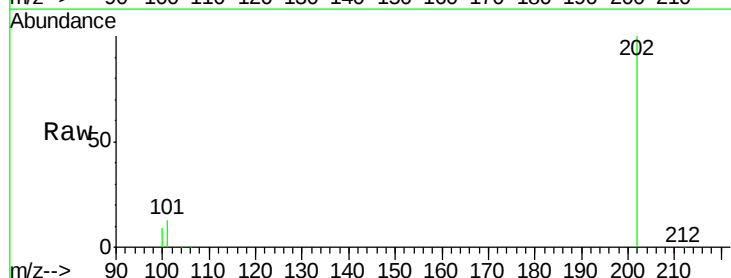
Tgt Ion:202 Resp: 22974

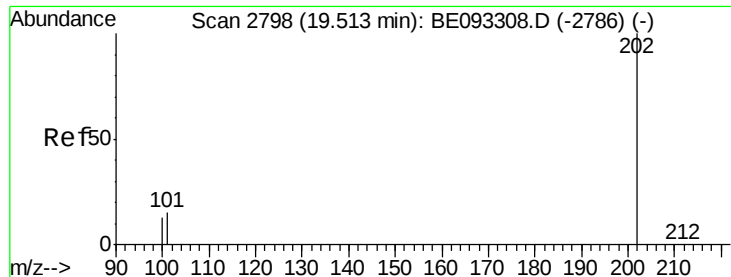
Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.3

100 9.5 0.0 39.5





#17

Pyrene

Concen: 0.47 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

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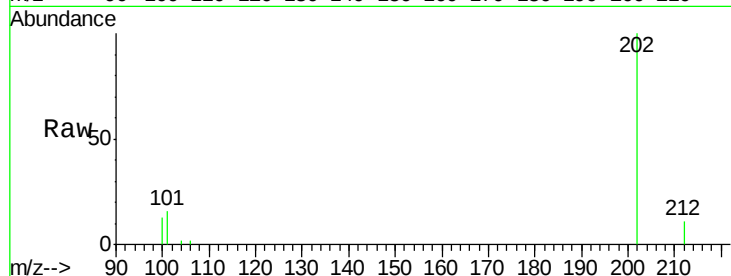
Tgt Ion:202 Resp: 16966

Ion Ratio Lower Upper

202 100

101 15.7 18.2 27.4#

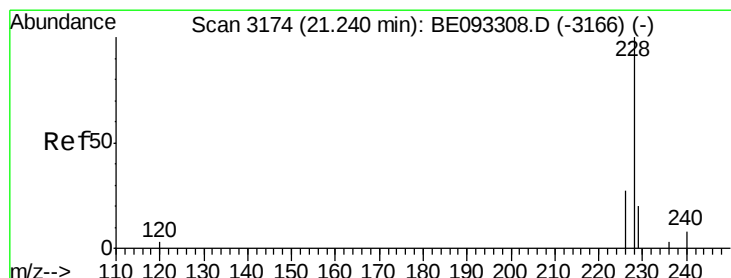
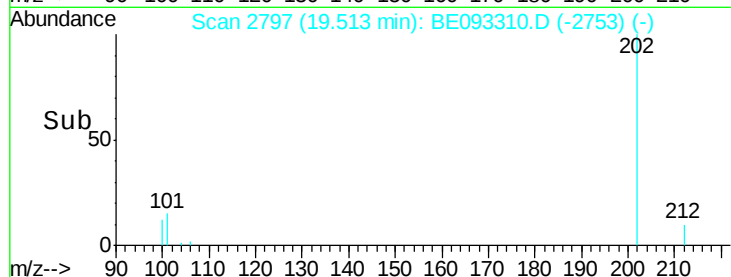
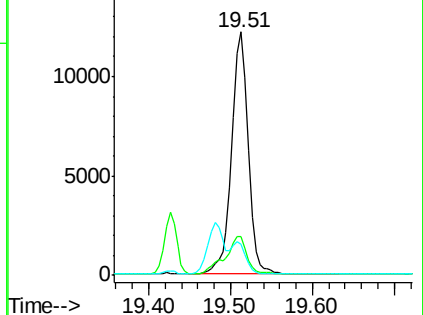
100 12.6 15.6 23.4#



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: 0.14 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

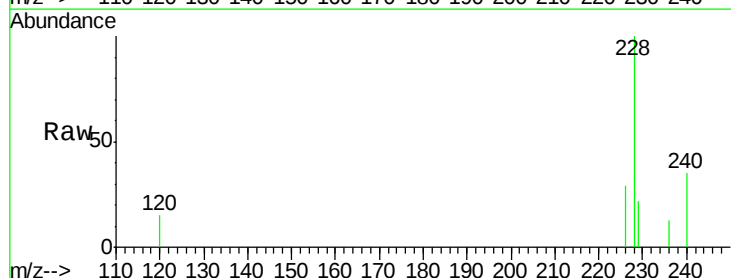
Tgt Ion:228 Resp: 4413

Ion Ratio Lower Upper

228 100

229 22.0 22.8 34.2#

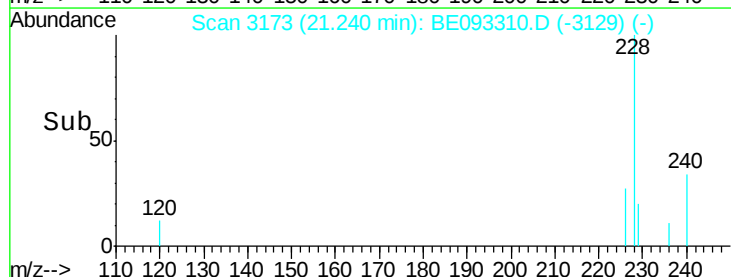
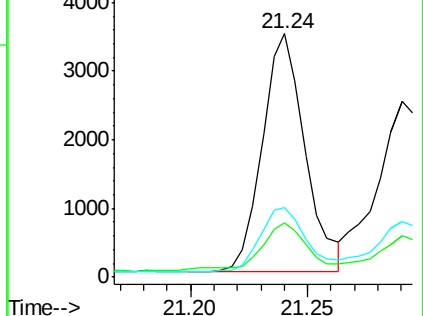
226 28.7 17.0 25.6#

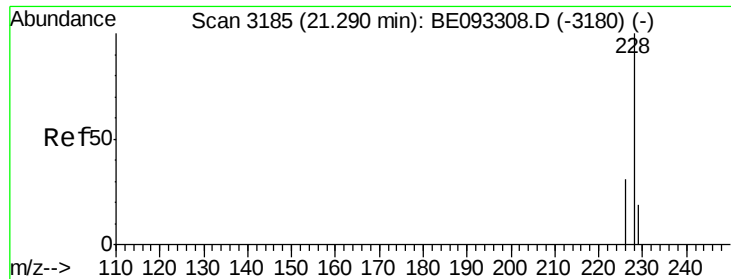


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.11 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

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ClientSampleId :

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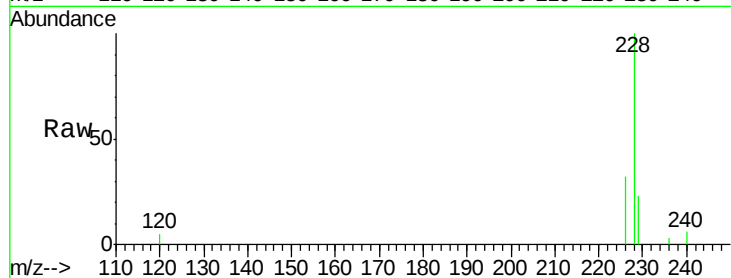
Tgt Ion:228 Resp: 3742

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

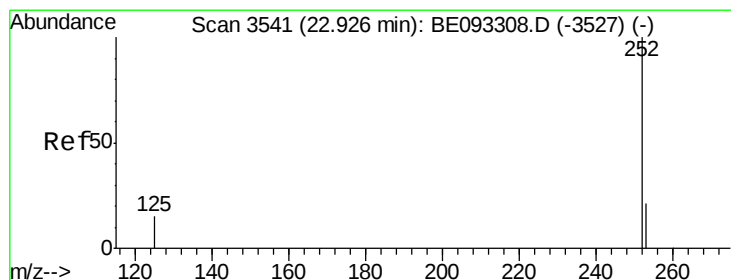
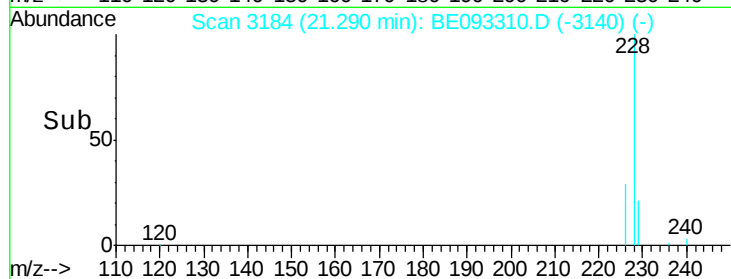
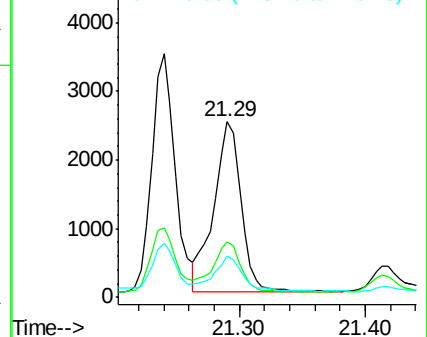
229 23.4 17.7 26.5



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: 0.09 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

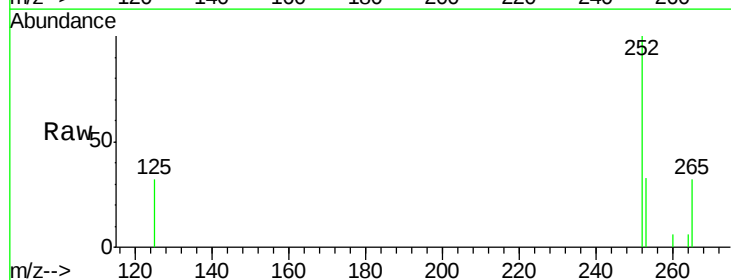
Tgt Ion:252 Resp: 3106

Ion Ratio Lower Upper

252 100

253 32.9 0.0 64.2

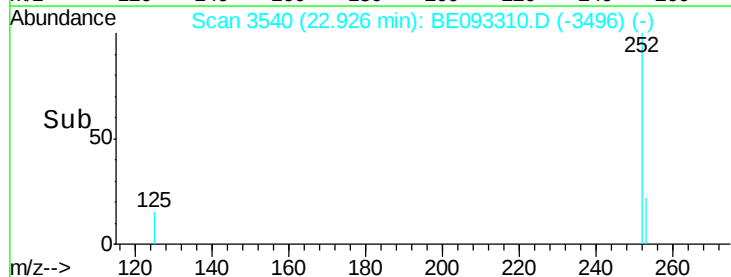
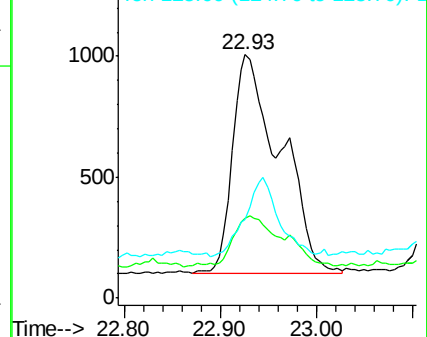
125 32.5 0.0 35.0

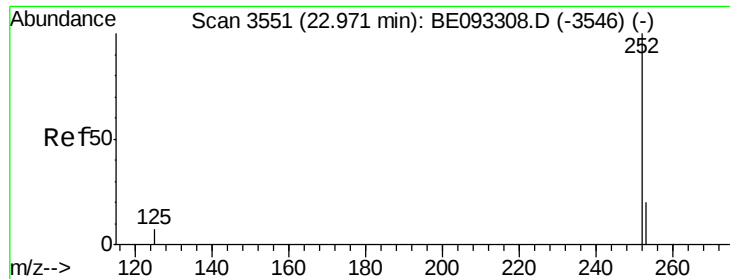


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.09 ng/u1

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

ClientSampleId :

F5A86DL

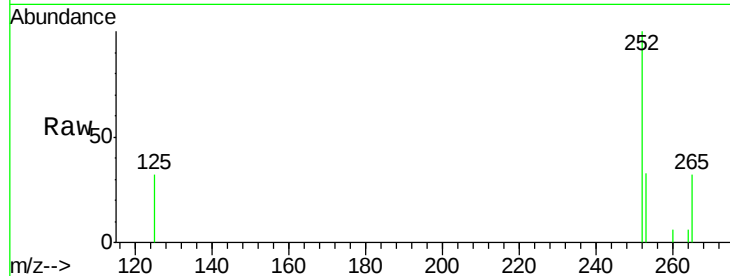
Tgt Ion:252 Resp: 3106

Ion Ratio Lower Upper

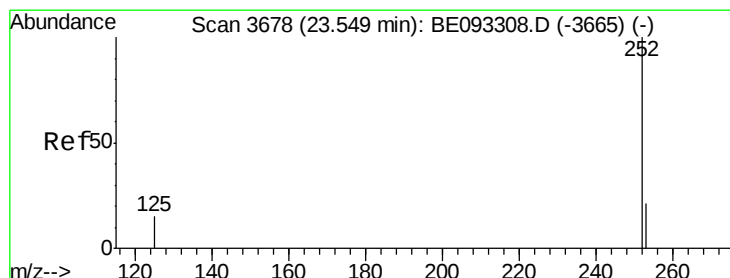
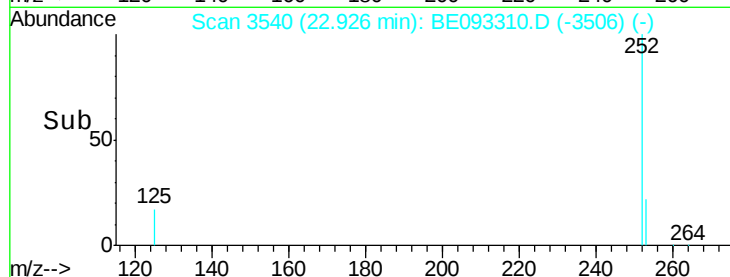
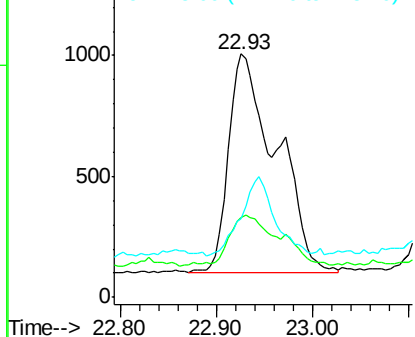
252 100

253 32.9 24.5 36.7

125 32.5 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: 0.04 ng/u1

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

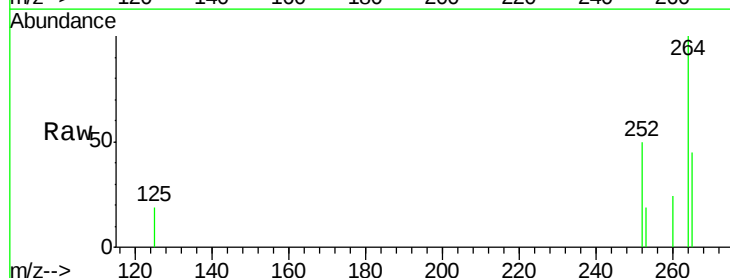
Tgt Ion:252 Resp: 1182

Ion Ratio Lower Upper

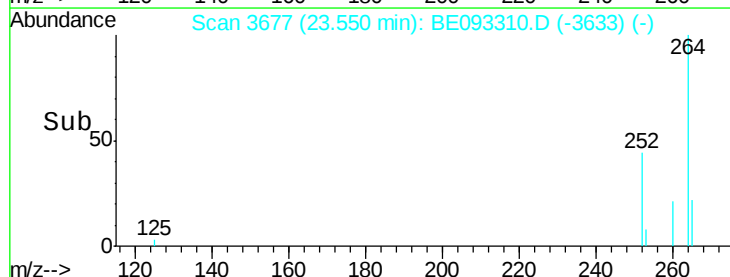
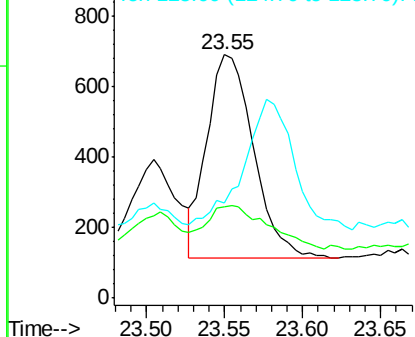
252 100

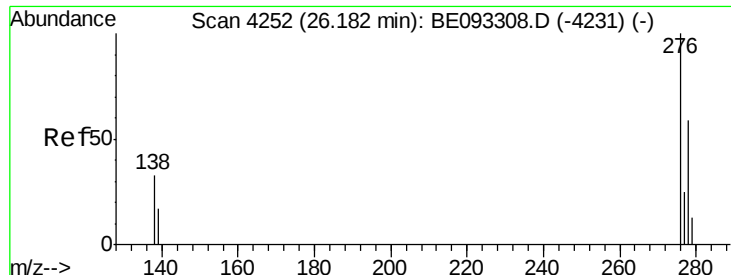
253 37.6 28.5 42.7

125 38.9 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: 0.01 ng/ul
 RT: 26.18 min Scan# 4251
 Delta R.T. -0.00 min
 Lab File: BE093310.D
 Acq: 21 Jun 2017 11:11

Instrument :
 BNA_E
 ClientSampleId :
 F5A86DL

Tgt Ion: 276 Resp: 404
 Ion Ratio Lower Upper
 276 100
 138 54.5 28.0 42.0#
 227 0.0 8.0 12.0#

