

Data File : BE093313.D
Acq On : 21 Jun 2017 13:40
Operator : SJ/JU
Sample : I3625-18DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A91DL

Quant Time: Jun 22 02:11:31 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	7.73	152	2166	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	12101	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	7635	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	18685	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20280	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	17648	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	628	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1763	0.03	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	1880	0.06	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1154	0.06	ng/ul	99
7) Acenaphthylene	14.09	152	4326	0.13	ng/ul	99
8) Acenaphthene	14.42	153	3277	0.12	ng/ul	98
9) Fluorene	15.41	166	4675	0.15	ng/ul	92
12) Phenanthrene	17.14	178	129444	2.52	ng/ul#	91
13) Anthracene	17.22	178	24365	0.54	ng/ul#	92
15) Fluoranthene	19.15	202	232476	3.69	ng/ul	84
17) Pyrene	19.51	202	220537	3.69	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	107384	1.99	ng/ul#	85
19) Chrysene	21.29	228	110212	1.96	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	153644	2.87	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	10809	0.19	ng/ul	96
23) Benzo(a)pyrene	23.56	252	75269	1.49	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.18	276	43994	0.75	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	13463	0.27	ng/ul	92
26) Benzo(g,h,i)perylene	26.95	276	37193	0.74	ng/ul	97

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

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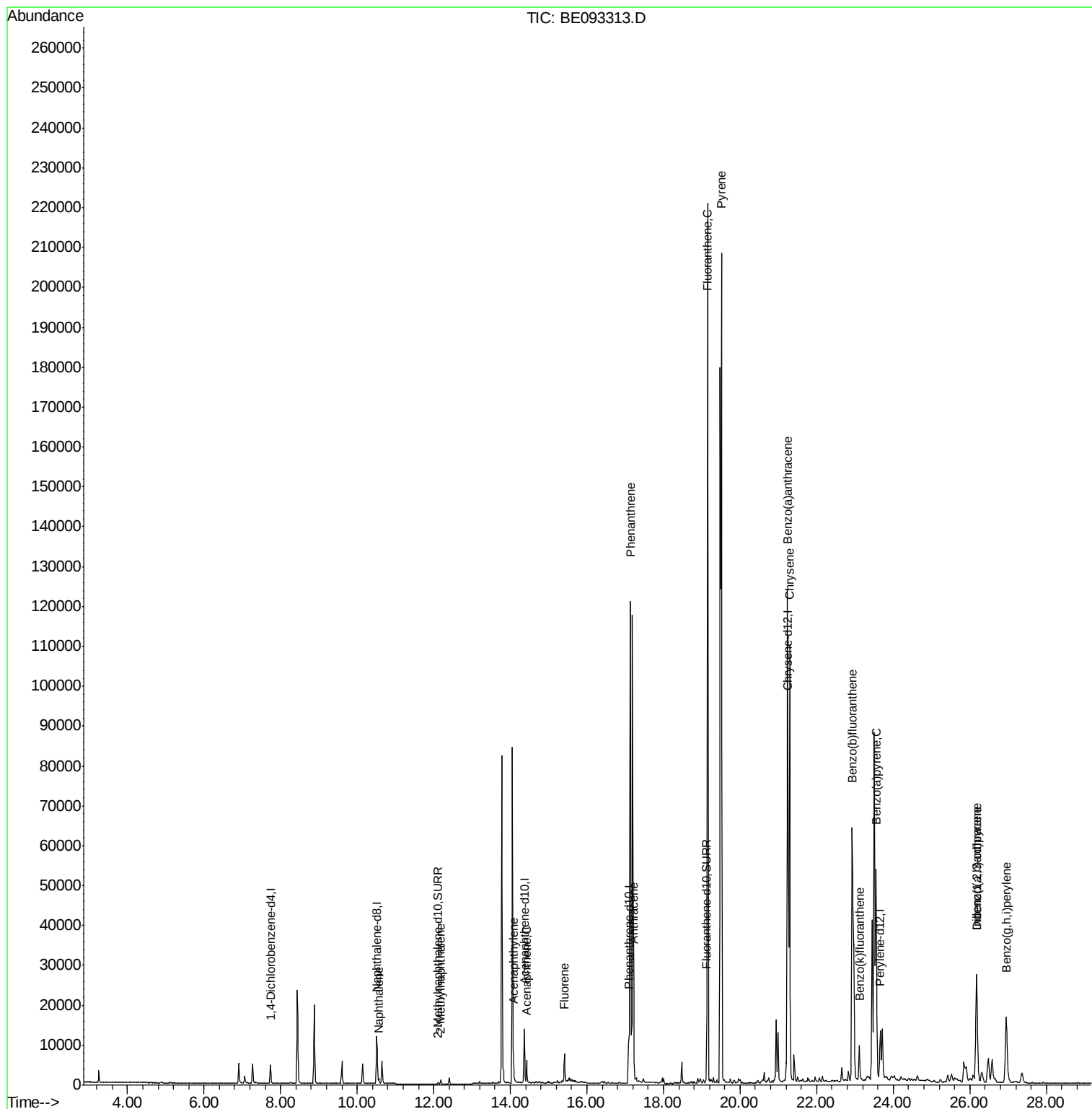
Quant Time: Jun 22 02:11:31 2017

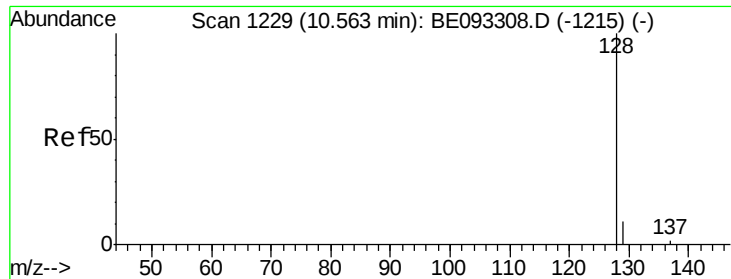
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

BNA_E

ClientSampleId :

F5A91DL

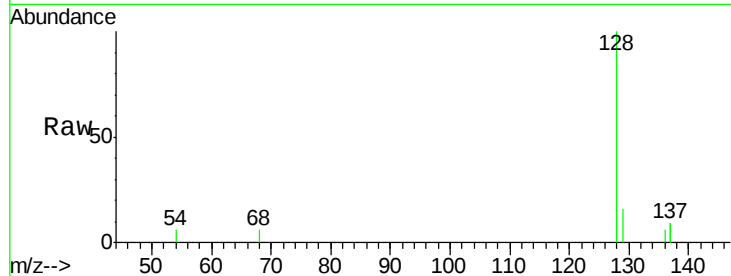
Tgt Ion:128 Resp: 1880

Ion Ratio Lower Upper

128 100

129 15.8 11.3 16.9

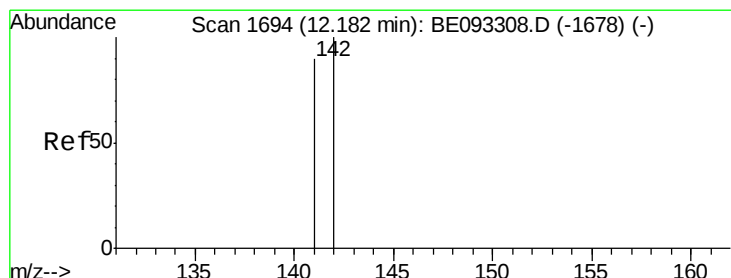
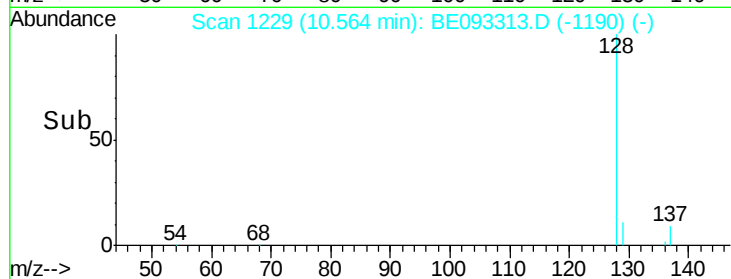
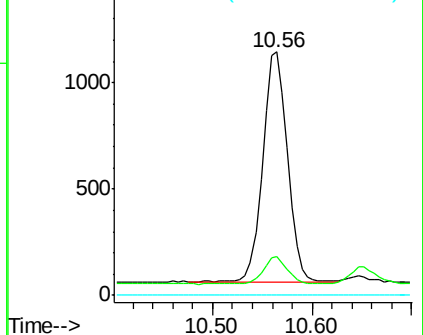
127 0.0 4.0 6.0#



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: 0.06 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093313.D

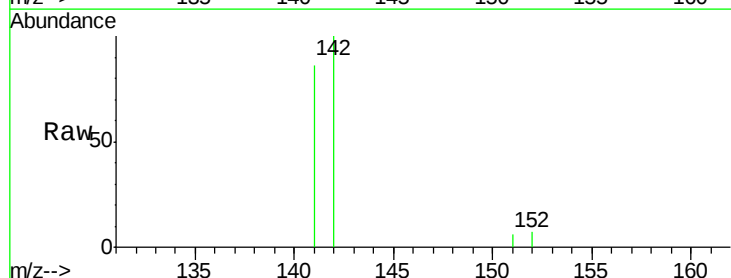
Acq: 21 Jun 2017 13:40

Tgt Ion:142 Resp: 1154

Ion Ratio Lower Upper

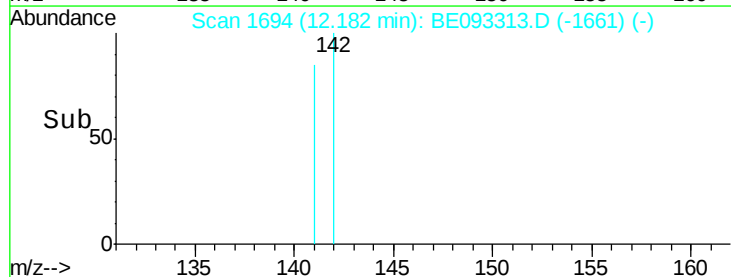
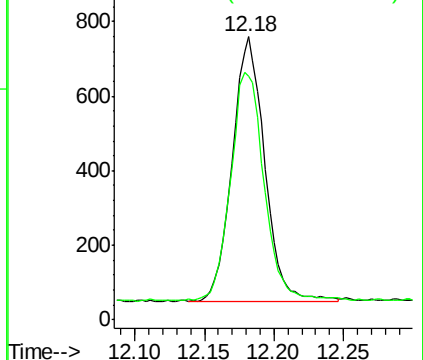
142 100

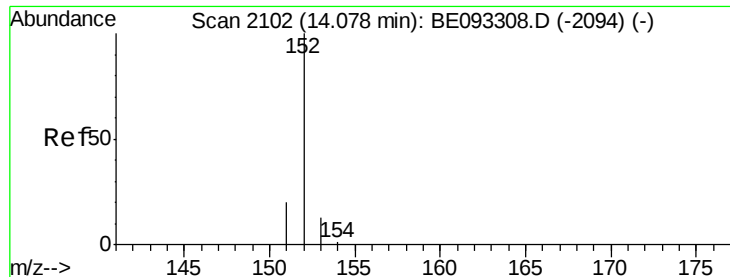
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

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ClientSampleId :

F5A91DL

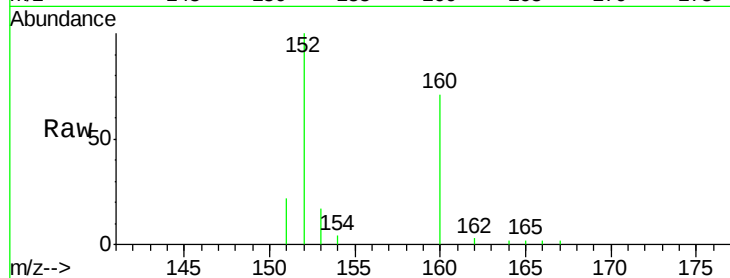
Tgt Ion:152 Resp: 4326

Ion Ratio Lower Upper

152 100

151 21.6 17.1 25.7

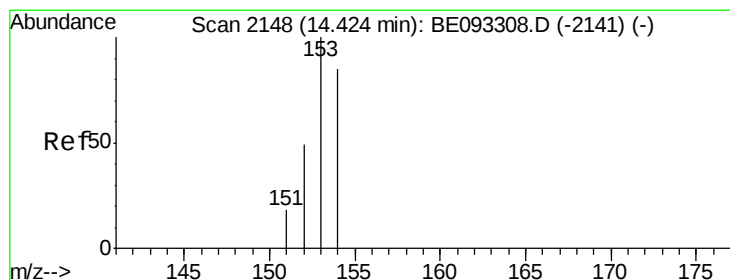
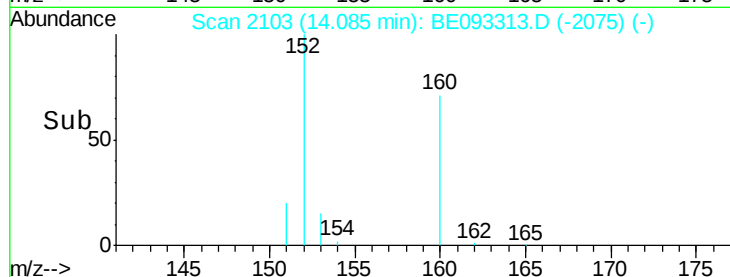
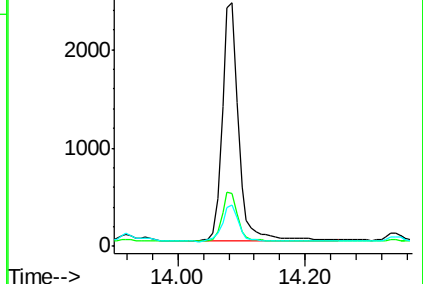
153 16.8 12.8 19.2



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



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

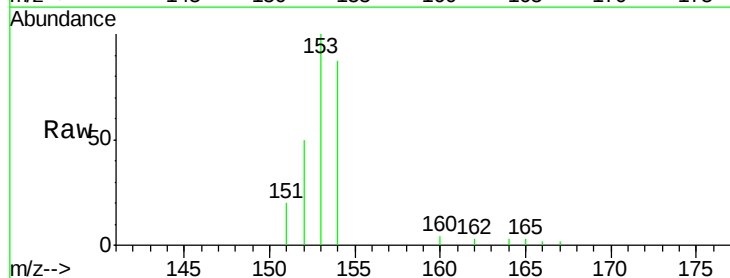
Tgt Ion:153 Resp: 3277

Ion Ratio Lower Upper

153 100

152 50.5 40.3 60.5

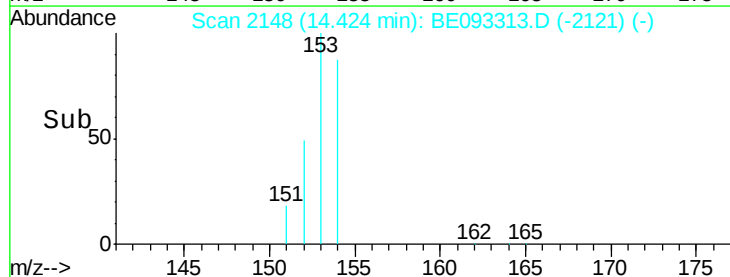
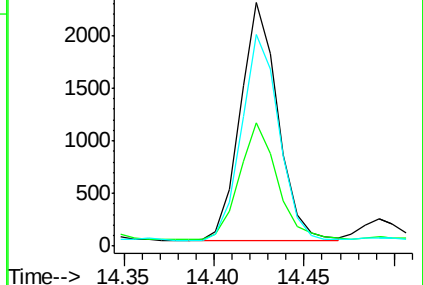
154 86.9 71.4 107.2

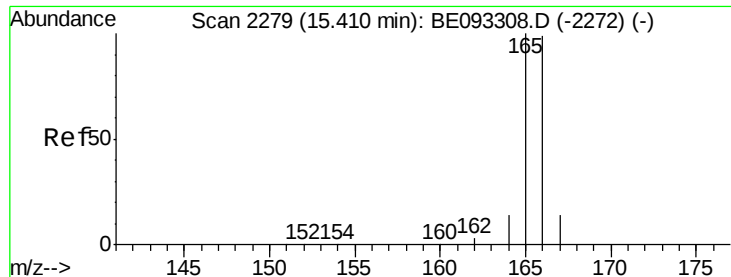


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

BNA_E

ClientSampleId :

F5A91DL

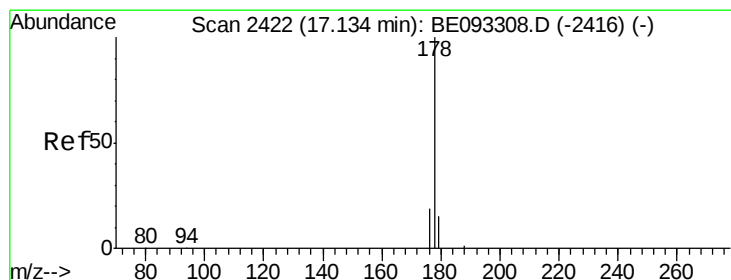
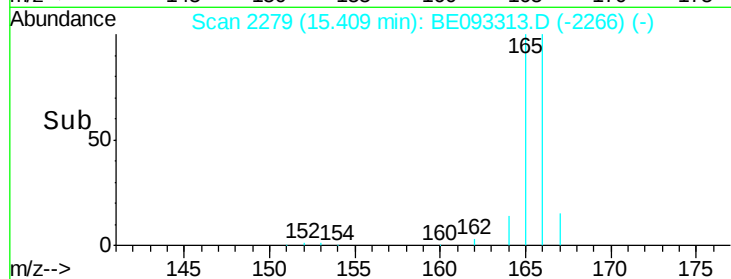
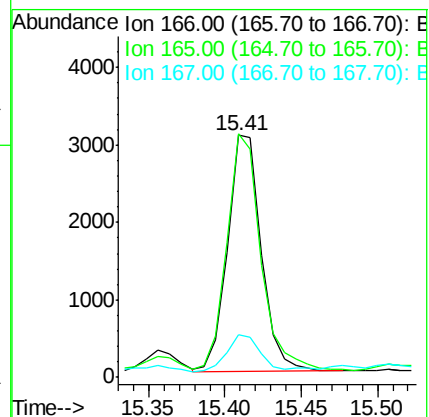
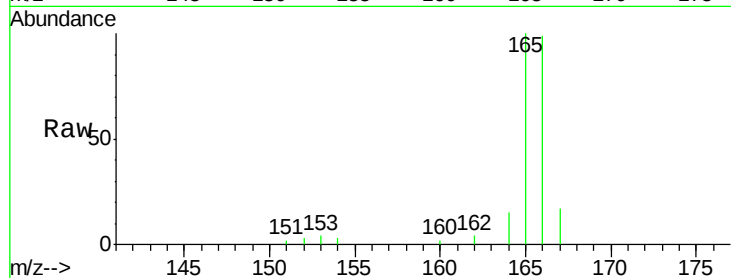
Tgt Ion:166 Resp: 4675

Ion Ratio Lower Upper

166 100

165 100.6 73.4 110.2

167 17.4 14.6 22.0



#12

Phenanthrene

Concen: 2.52 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

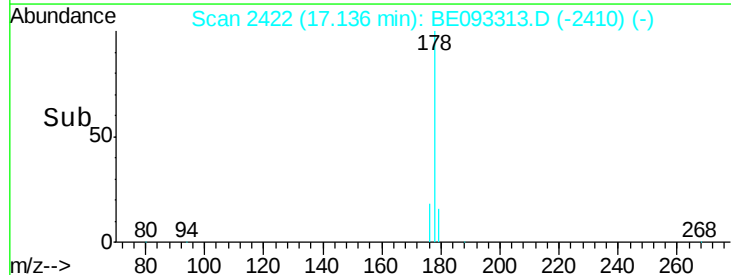
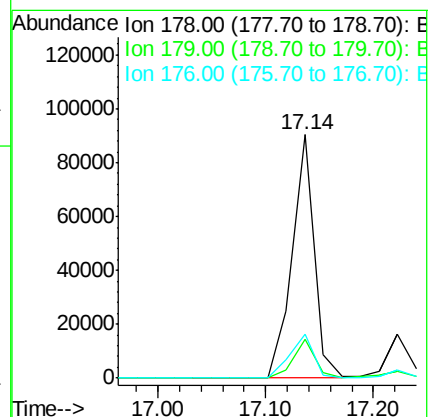
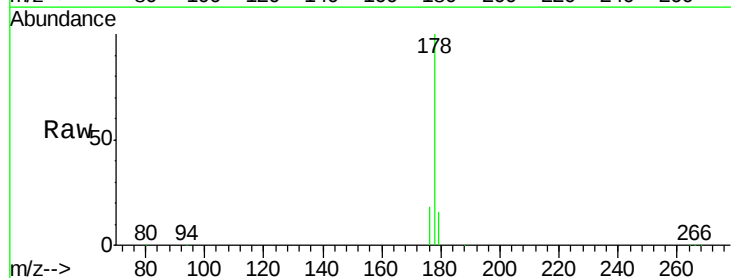
Tgt Ion:178 Resp: 129444

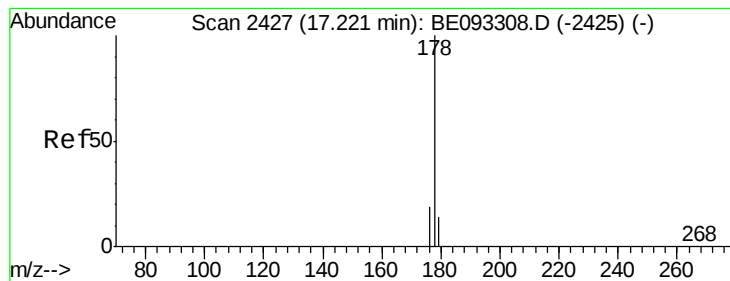
Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 17.9 13.6 20.4





#13

Anthracene

Concen: 0.54 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

BNA_E

ClientSampleId :

F5A91DL

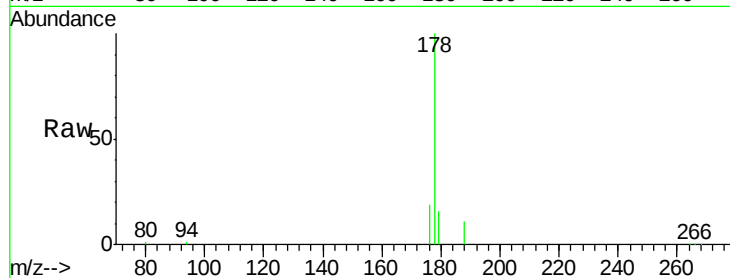
Tgt Ion:178 Resp: 24365

Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

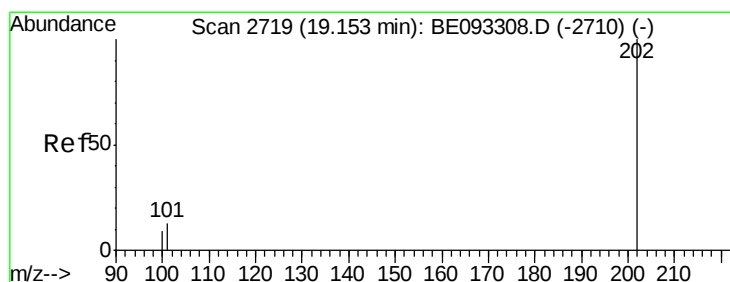
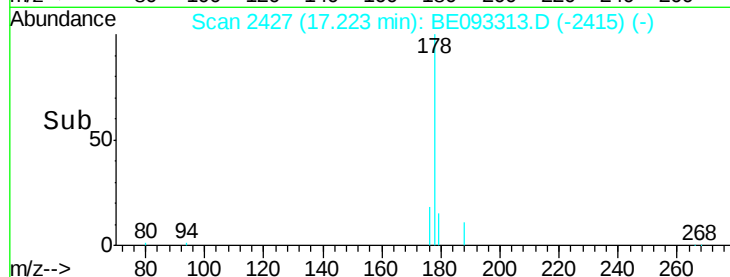
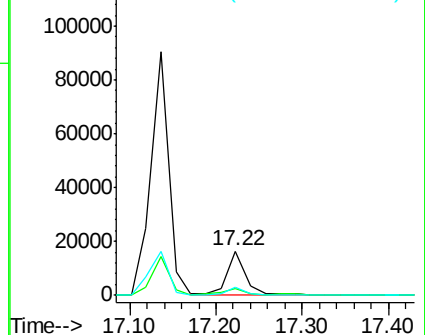
176 18.5 14.7 22.1



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: 3.69 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

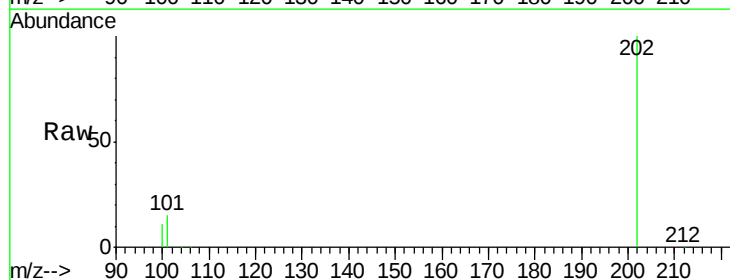
Tgt Ion:202 Resp: 232476

Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.3

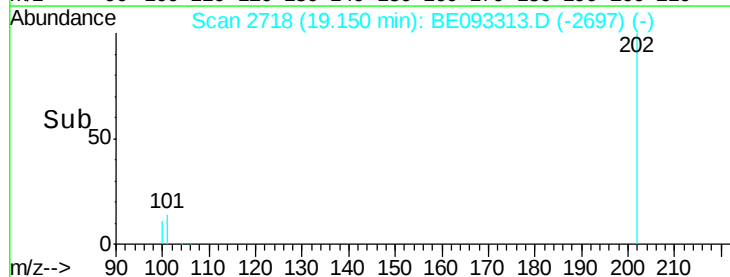
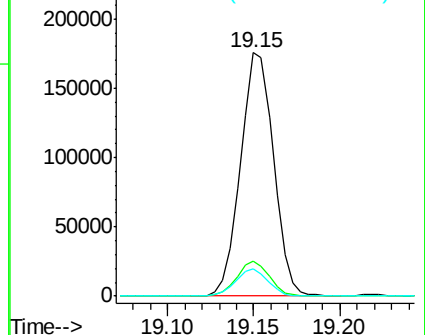
100 11.1 0.0 39.5

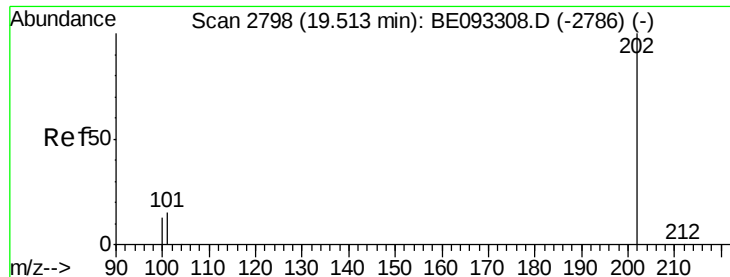


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

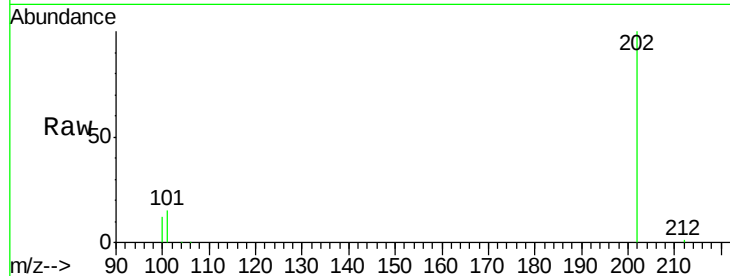




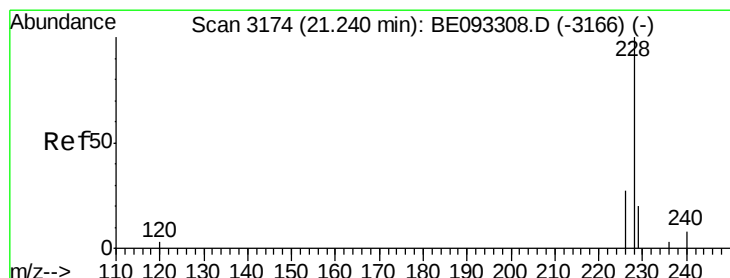
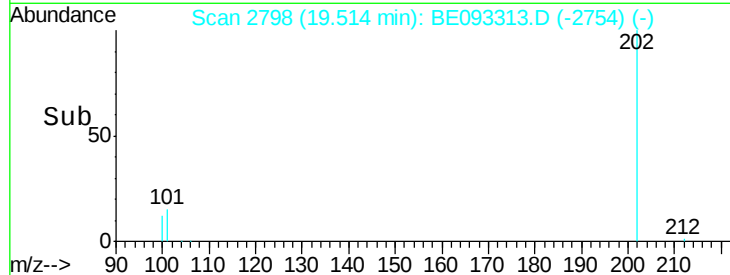
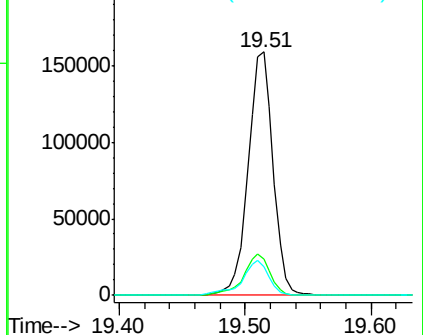
#17
 Pyrene
 Concen: 3.69 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093313.D
 Acq: 21 Jun 2017 13:40

Instrument :
 BNA_E
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Tgt Ion:202 Resp: 220537
 Ion Ratio Lower Upper
 202 100
 101 14.9 18.2 27.4#
 100 11.9 15.6 23.4#

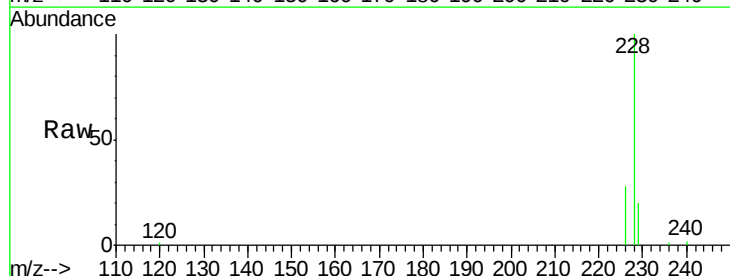


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): BE

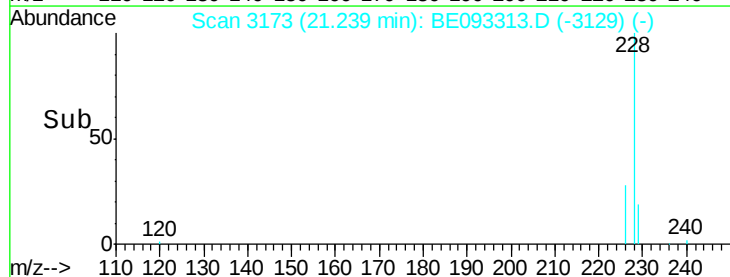
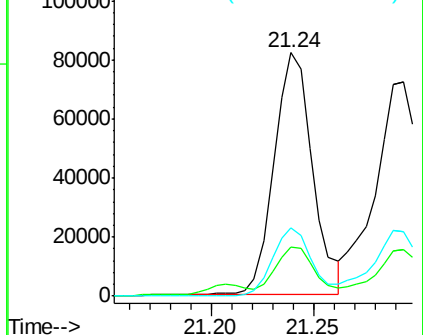


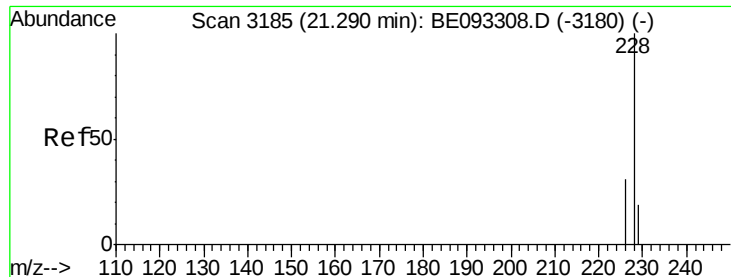
#18
 Benzo(a)anthracene
 Concen: 1.99 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093313.D
 Acq: 21 Jun 2017 13:40

Tgt Ion:228 Resp: 107384
 Ion Ratio Lower Upper
 228 100
 229 19.9 22.8 34.2#
 226 27.9 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: 1.96 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

BNA_E

ClientSampleId :

F5A91DL

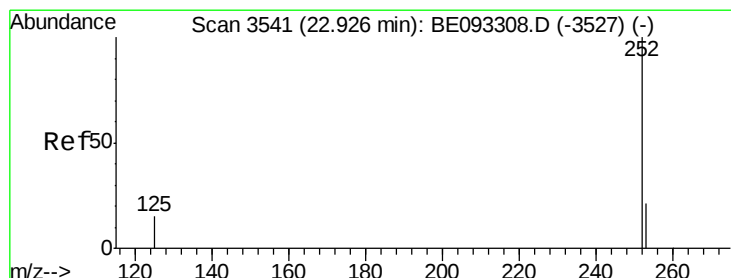
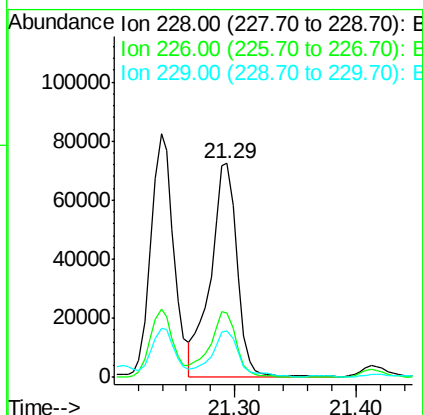
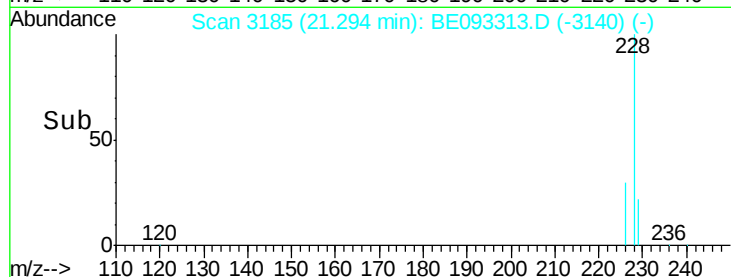
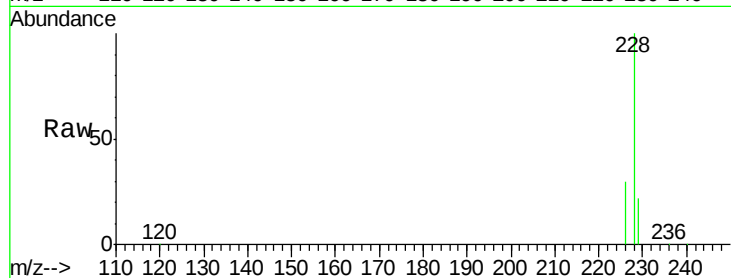
Tgt Ion:228 Resp: 110212

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 21.9 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 2.87 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

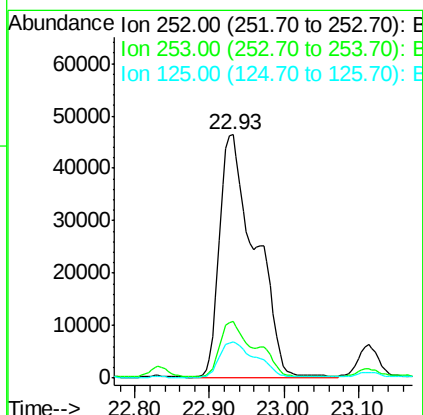
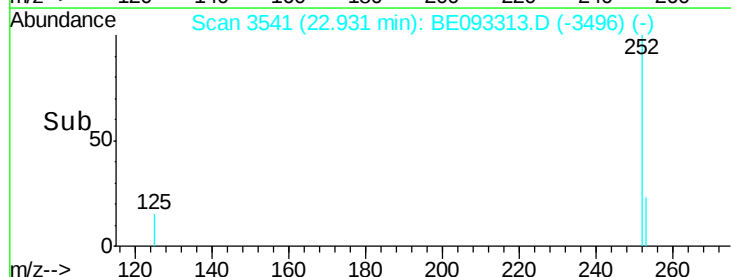
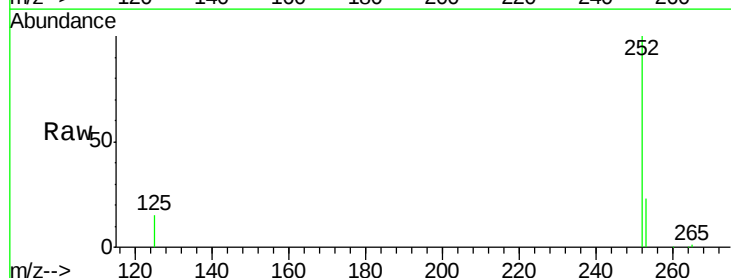
Tgt Ion:252 Resp: 153644

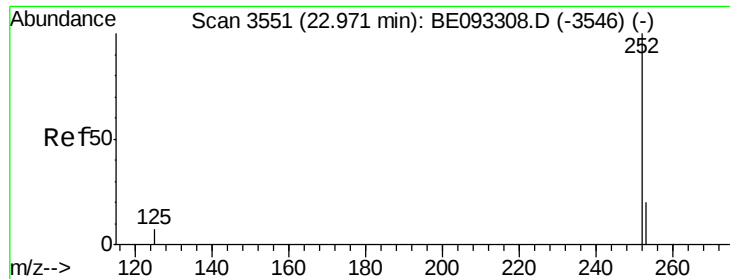
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 14.9 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.19 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

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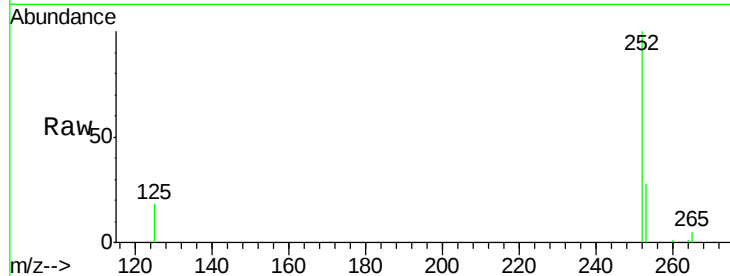
Tgt Ion:252 Resp: 10809

Ion Ratio Lower Upper

252 100

253 28.4 24.5 36.7

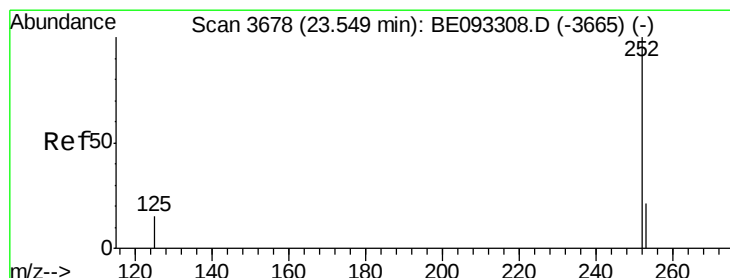
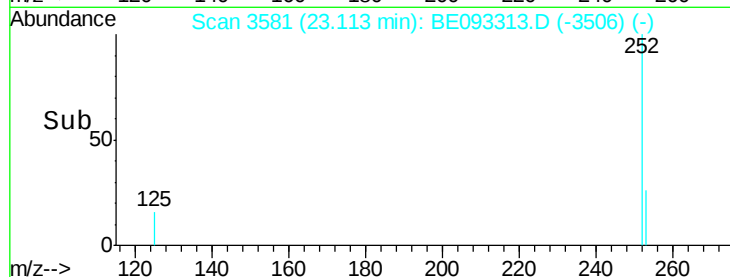
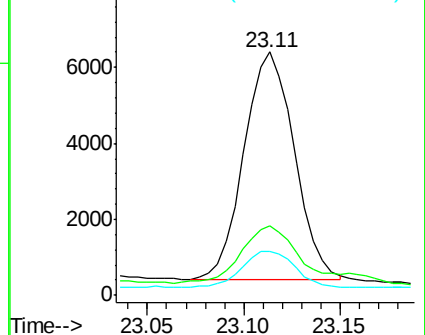
125 18.3 13.7 20.5



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: 1.49 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.01 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

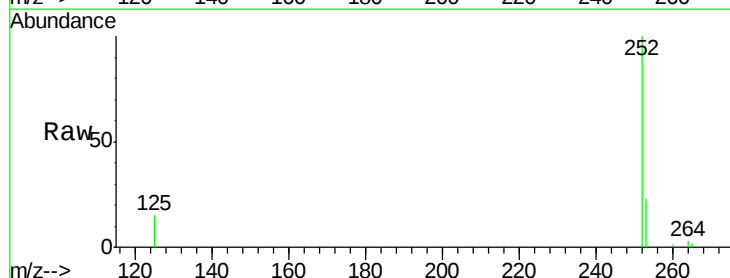
Tgt Ion:252 Resp: 75269

Ion Ratio Lower Upper

252 100

253 22.9 28.5 42.7#

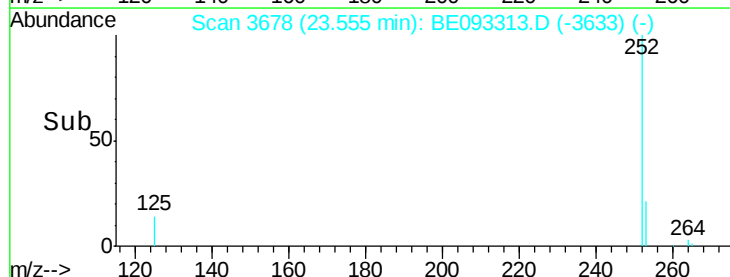
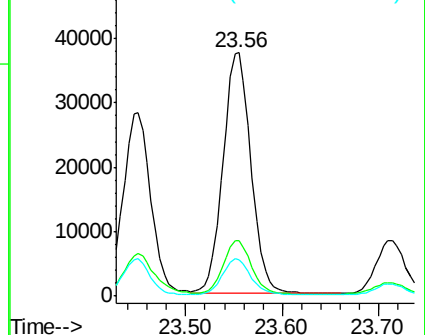
125 14.8 18.1 27.1#

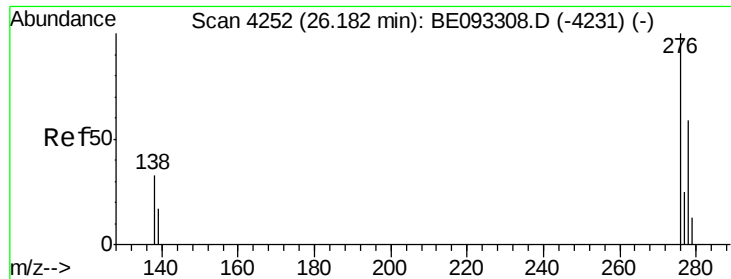


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.75 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.01 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

Instrument :

BNA_E

ClientSampleId :

F5A91DL

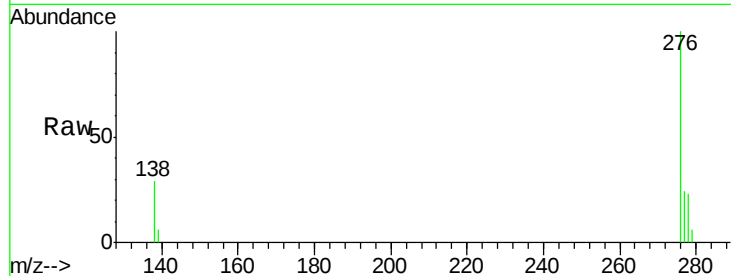
Tgt Ion:276 Resp: 43994

Ion Ratio Lower Upper

276 100

138 29.7 28.0 42.0

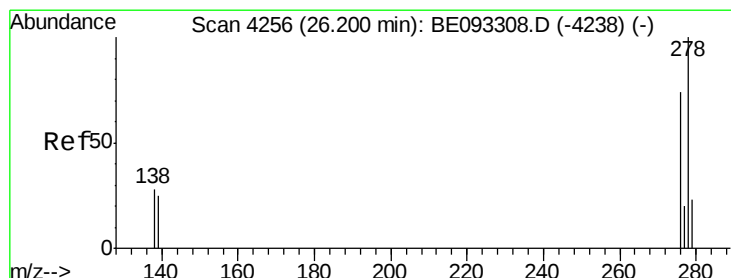
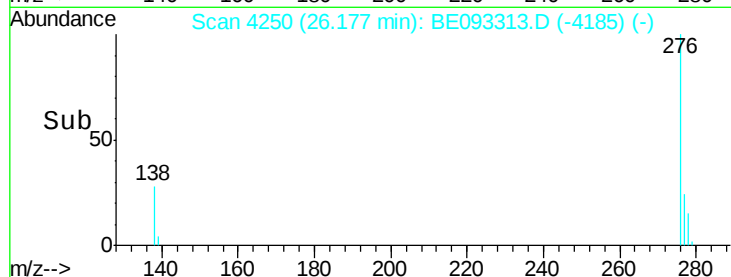
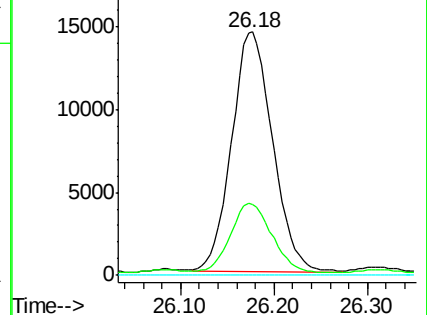
227 0.0 8.0 12.0#



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: 0.27 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. -0.01 min

Lab File: BE093313.D

Acq: 21 Jun 2017 13:40

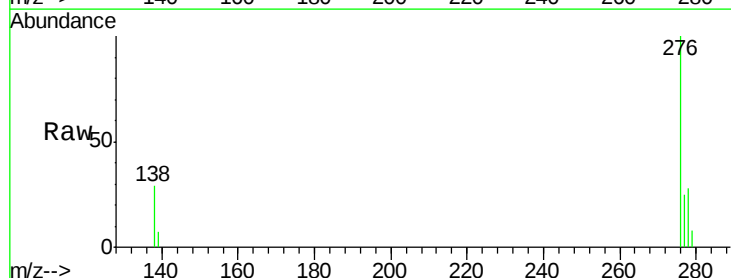
Tgt Ion:278 Resp: 13463

Ion Ratio Lower Upper

278 100

139 25.2 17.4 26.0

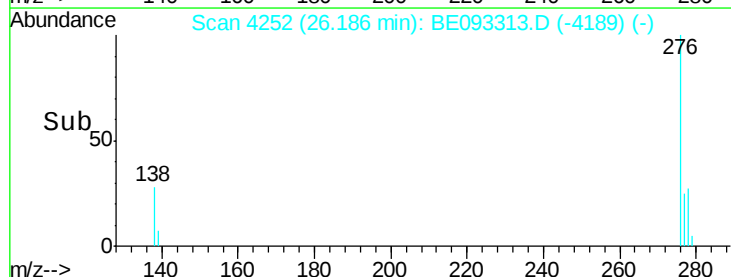
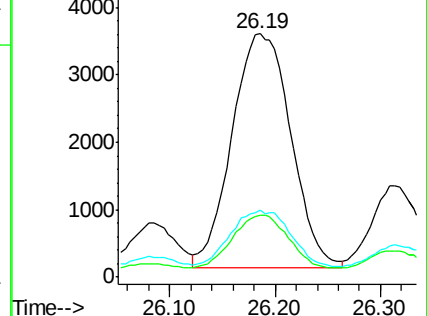
279 27.7 25.9 38.9

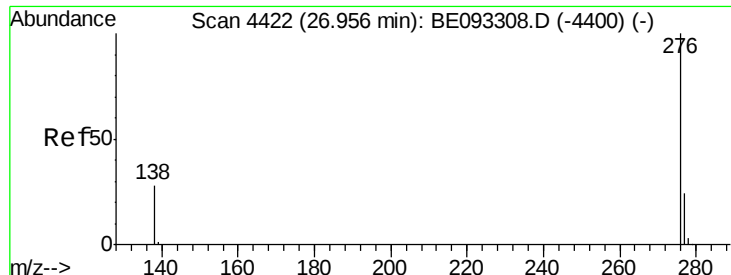


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

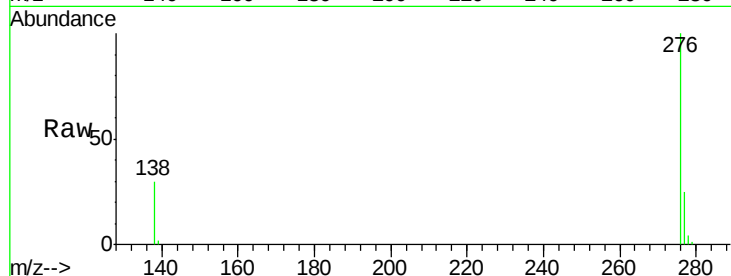




#26
 Benzo(g,h,i)perylene
 Concen: 0.74 ng/ul
 RT: 26.95 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: BE093313.D
 Acq: 21 Jun 2017 13:40

Instrument :
 BNA_E
 ClientSampleId :
 F5A91DL

Tgt Ion: 276 Resp: 37193
 Ion Ratio Lower Upper
 276 100
 138 29.8 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

