

Data File : BE093314.D
Acq On : 21 Jun 2017 14:16
Operator : SJ/JU
Sample : I3625-19DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A92DL

Quant Time: Jun 22 02:11:41 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	1454	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7819	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4931	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11943	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12823	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	10513	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	707	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2082	0.06	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	13899	0.72	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	13401	1.01	ng/ul	99
7) Acenaphthylene	14.08	152	10848	0.51	ng/ul#	96
8) Acenaphthene	14.42	153	26087	1.53	ng/ul	98
9) Fluorene	15.42	166	34912	1.74	ng/ul	95
12) Phenanthrene	17.14	178	707189	21.52	ng/ul#	88
13) Anthracene	17.22	178	117543	4.11	ng/ul#	90
15) Fluoranthene	19.15	202	941437	23.36	ng/ul	84
17) Pyrene	19.51	202	811464	21.46	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	368302	10.77	ng/ul#	85
19) Chrysene	21.29	228	385501	10.86	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	544276	17.06	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	39048	1.15	ng/ul	97
23) Benzo(a)pyrene	23.56	252	265473	8.80	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.18	276	161308	4.62	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	47671	1.62	ng/ul	92
26) Benzo(g,h,i)perylene	26.96	276	122559	4.09	ng/ul	96

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

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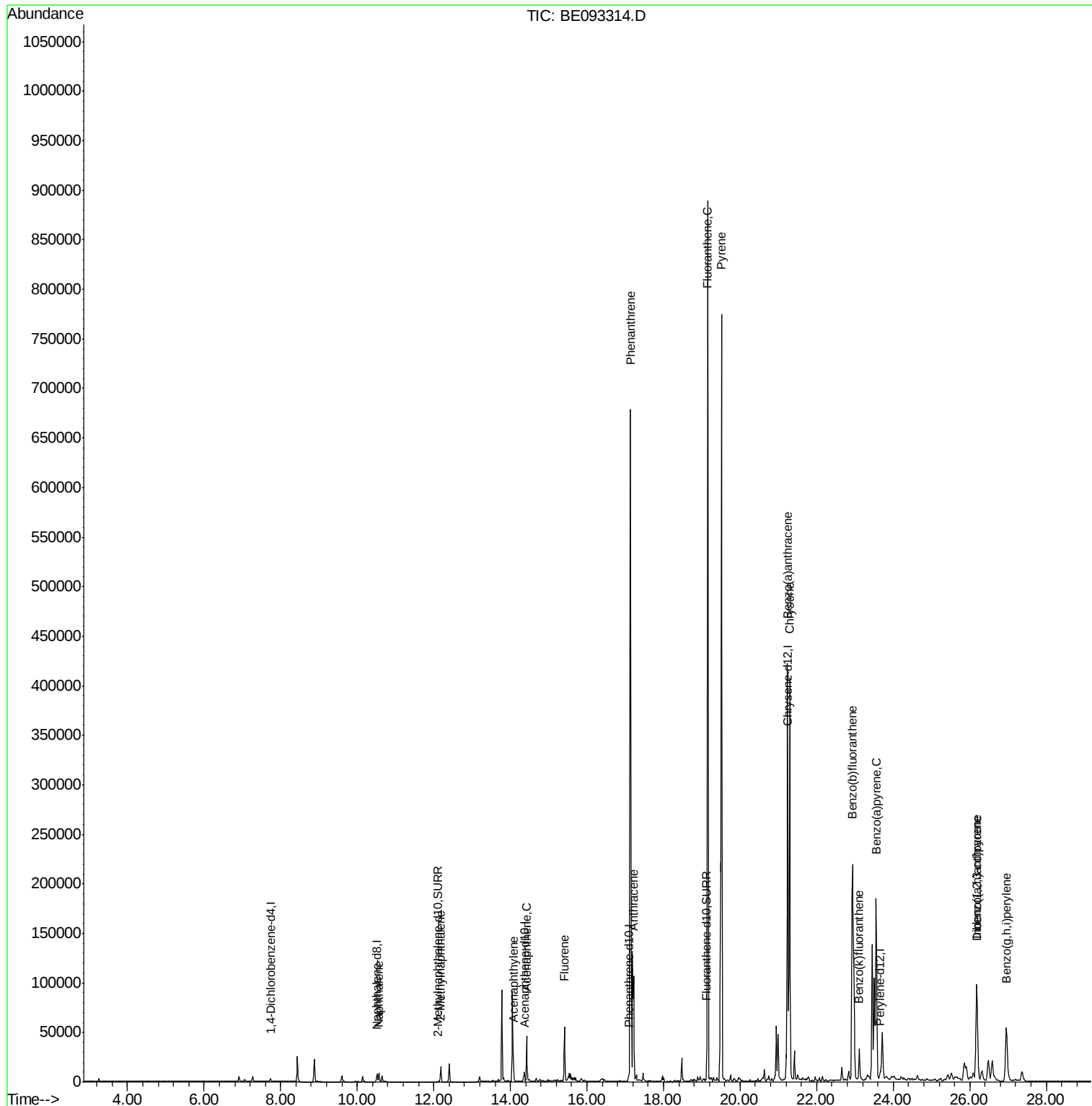
Quant Time: Jun 22 02:11:41 2017

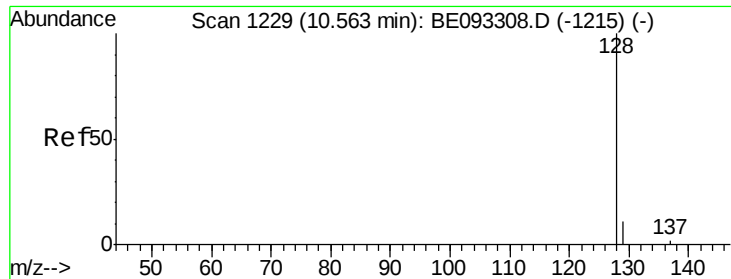
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.72 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

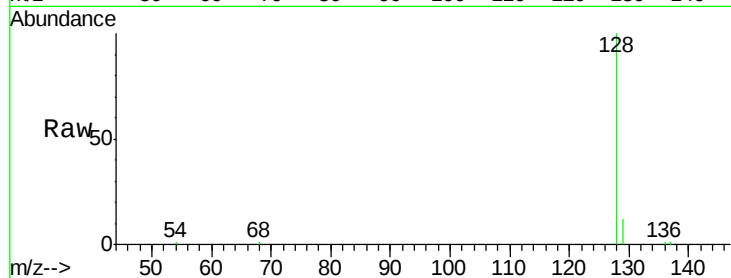
Tgt Ion:128 Resp: 13899

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

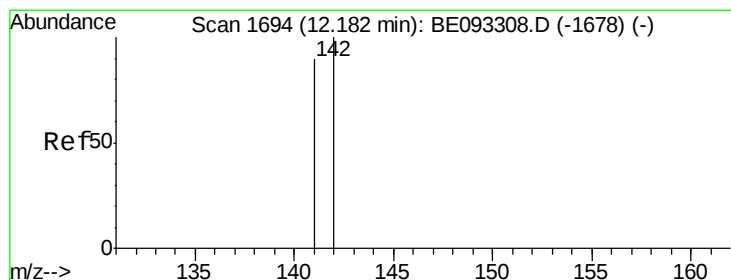
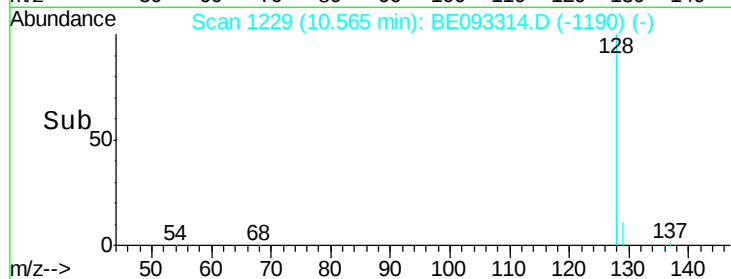
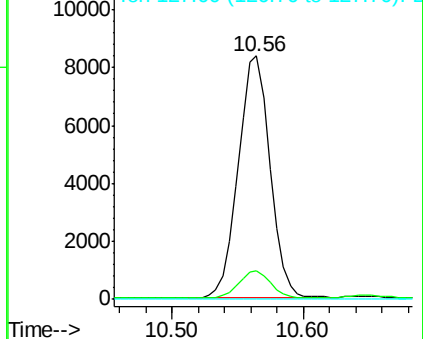
127 0.0 4.0 6.0#



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: 1.01 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093314.D

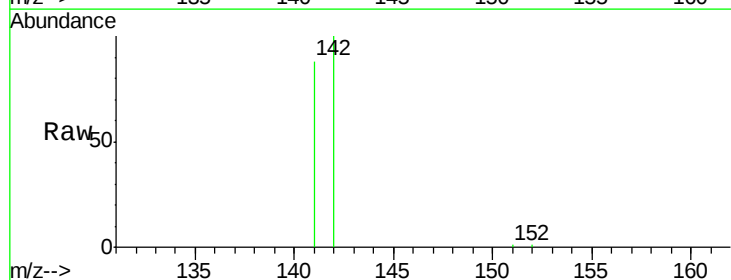
Acq: 21 Jun 2017 14:16

Tgt Ion:142 Resp: 13401

Ion Ratio Lower Upper

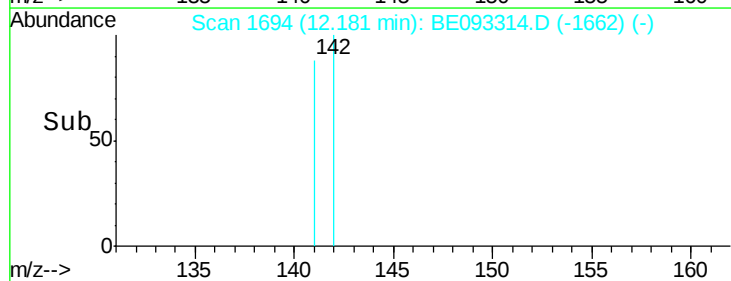
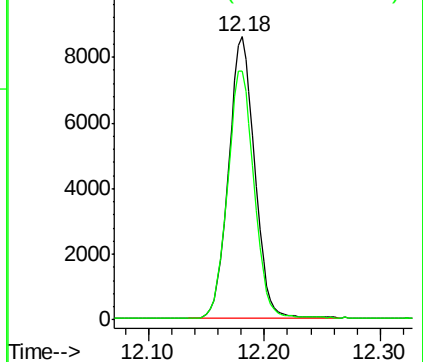
142 100

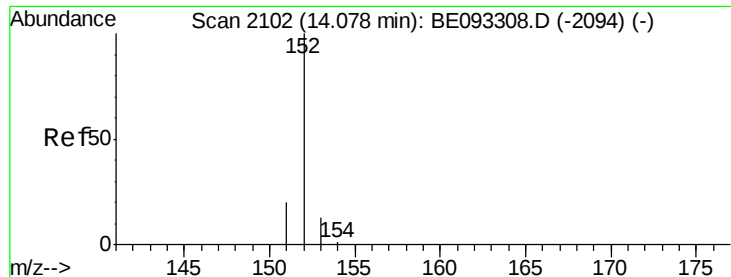
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.51 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

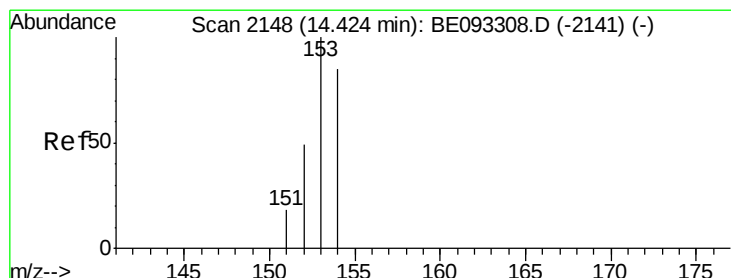
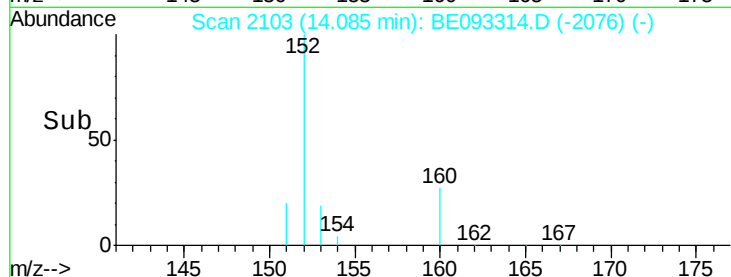
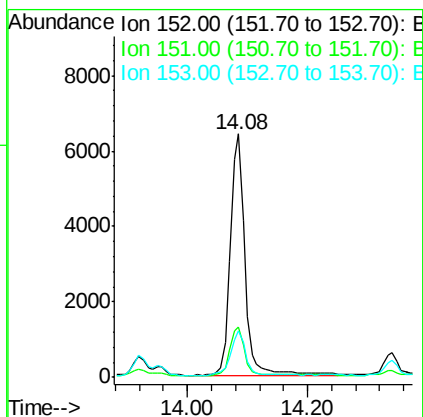
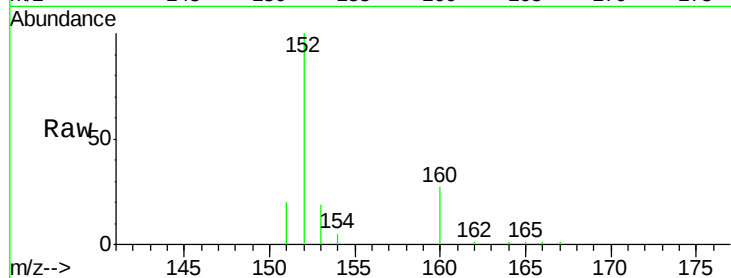
Tgt Ion:152 Resp: 10848

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

153 19.3 12.8 19.2#



#8

Acenaphthene

Concen: 1.53 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

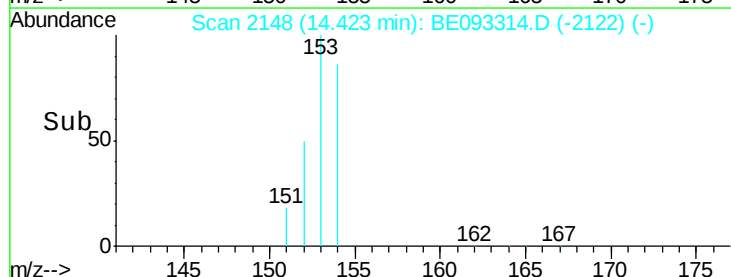
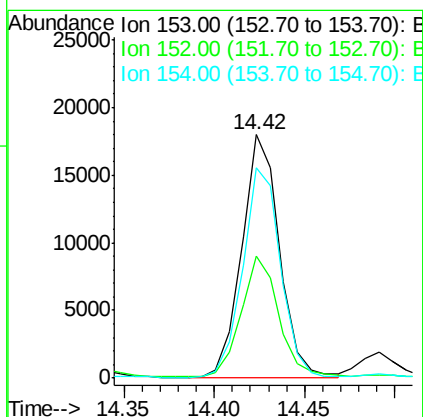
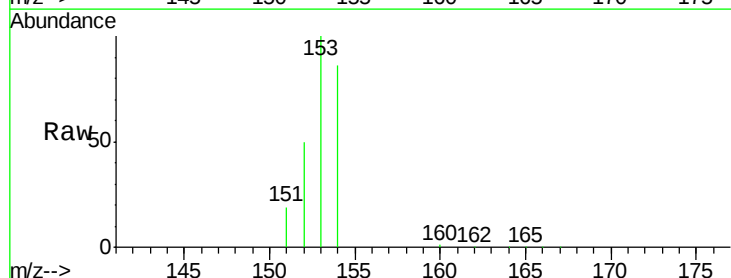
Tgt Ion:153 Resp: 26087

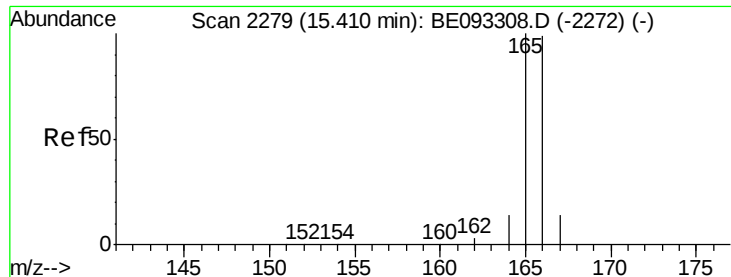
Ion Ratio Lower Upper

153 100

152 49.9 40.3 60.5

154 86.4 71.4 107.2





#9

Fluorene

Concen: 1.74 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

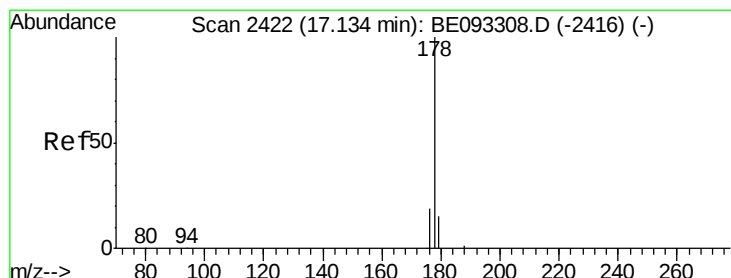
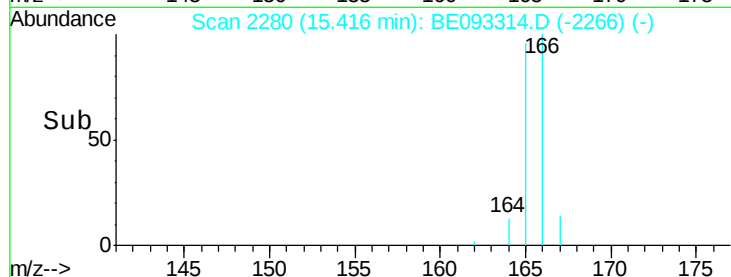
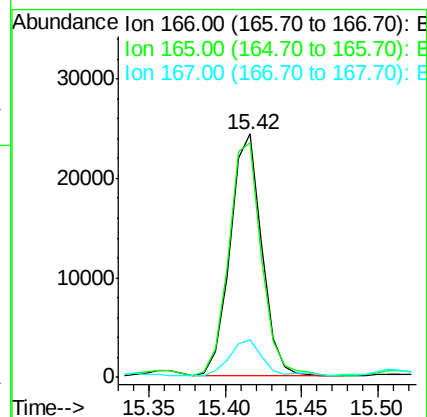
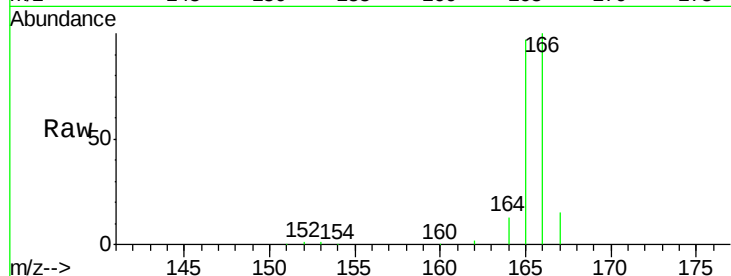
Tgt Ion:166 Resp: 34912

Ion Ratio Lower Upper

166 100

165 96.5 73.4 110.2

167 15.3 14.6 22.0



#12

Phenanthrene

Concen: 21.52 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

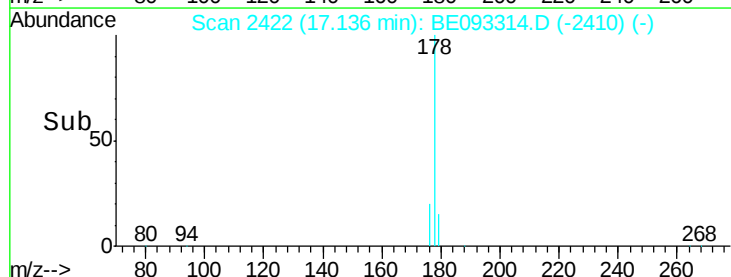
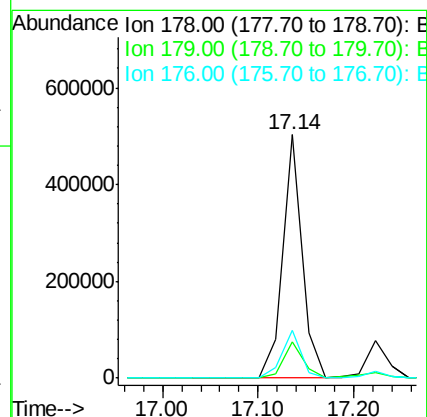
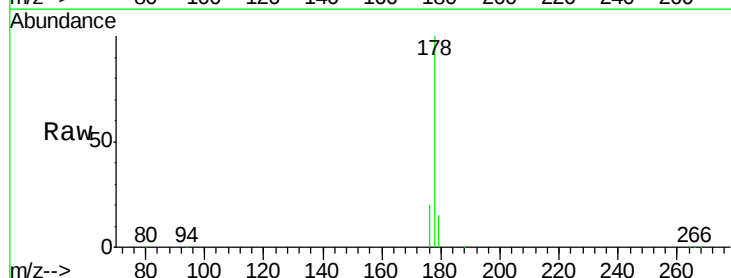
Tgt Ion:178 Resp: 707189

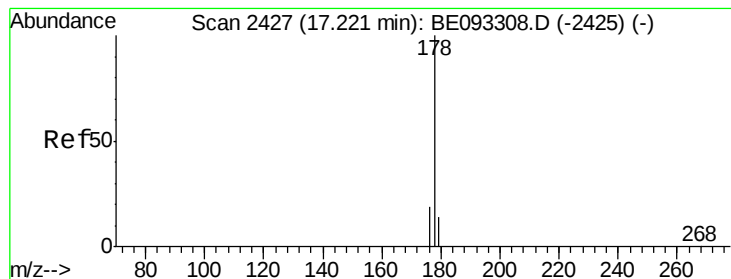
Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 19.9 13.6 20.4





#13

Anthracene

Concen: 4.11 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

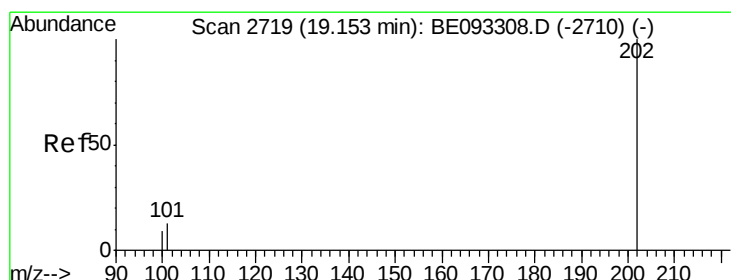
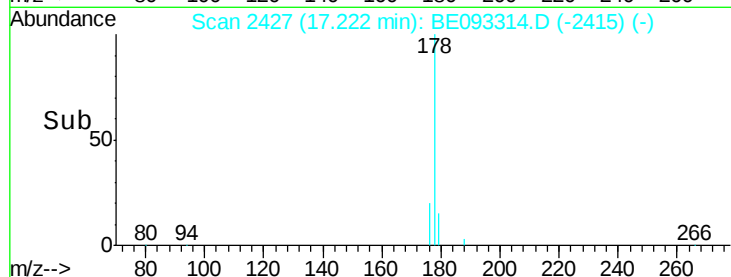
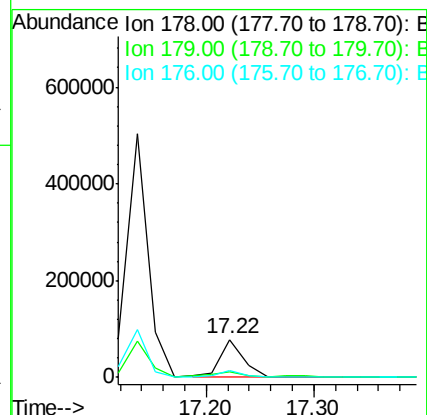
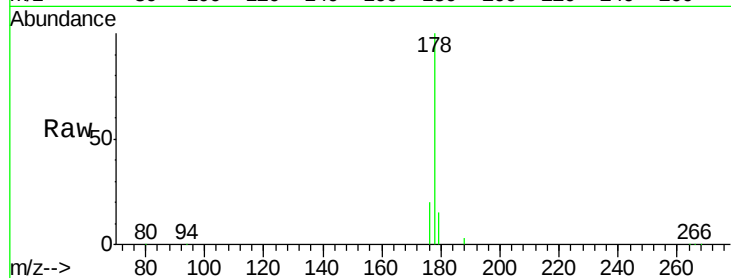
Tgt Ion:178 Resp: 117543

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

176 19.6 14.7 22.1



#15

Fluoranthene

Concen: 23.36 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

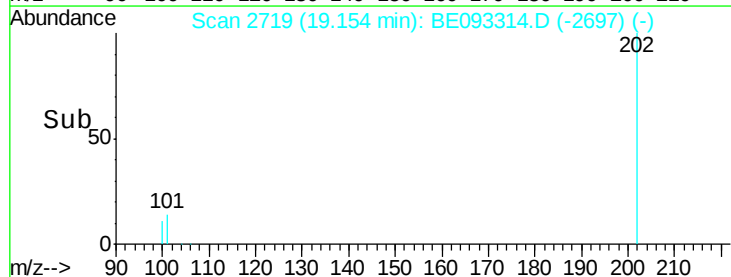
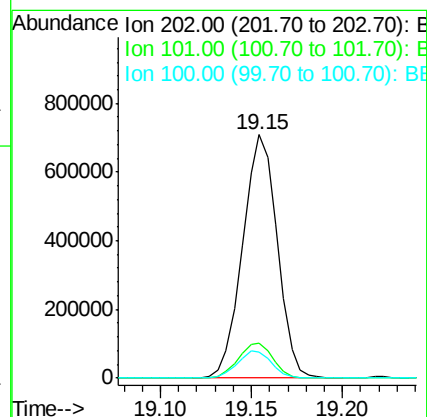
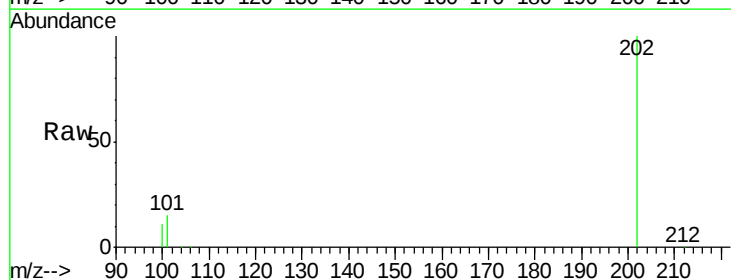
Tgt Ion:202 Resp: 941437

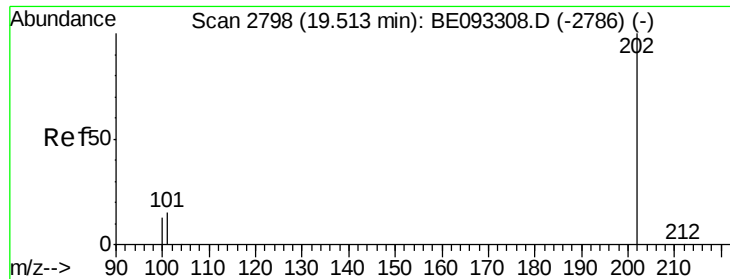
Ion Ratio Lower Upper

202 100

101 14.5 0.0 30.3

100 10.9 0.0 39.5





#17

Pyrene

Concen: 21.46 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

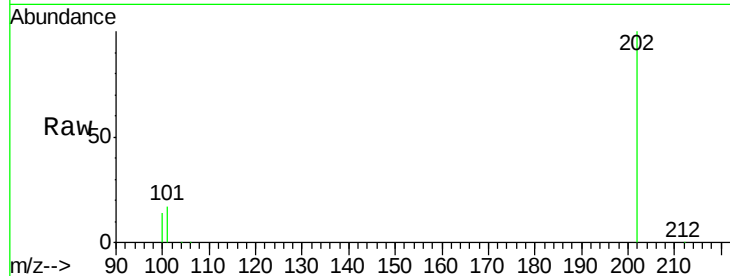
Tgt Ion:202 Resp: 811464

Ion Ratio Lower Upper

202 100

101 16.9 18.2 27.4#

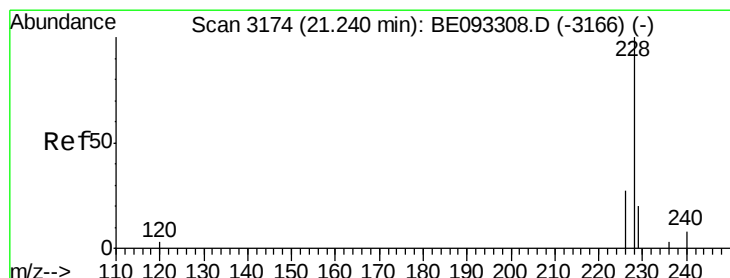
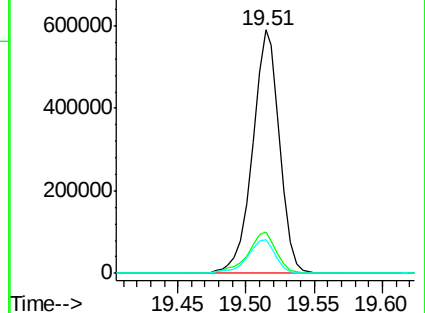
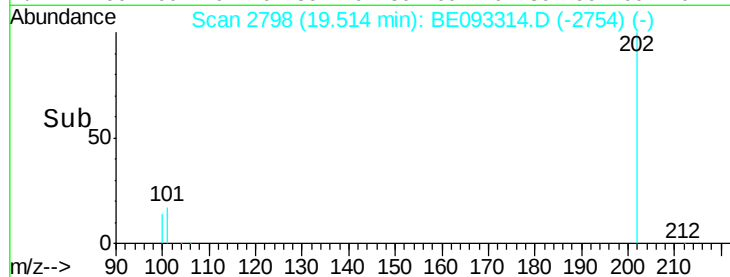
100 14.0 15.6 23.4#



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: 10.77 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

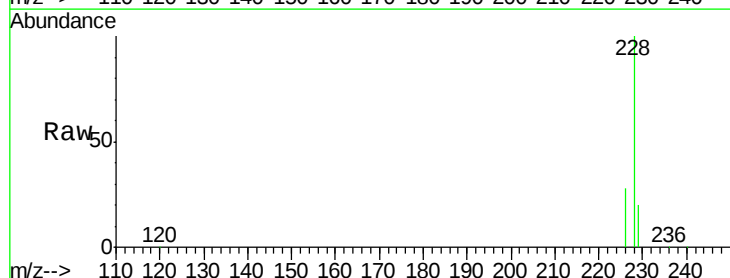
Tgt Ion:228 Resp: 368302

Ion Ratio Lower Upper

228 100

229 20.2 22.8 34.2#

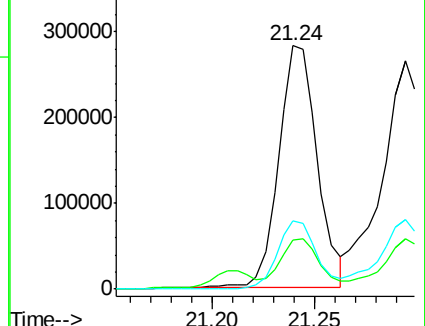
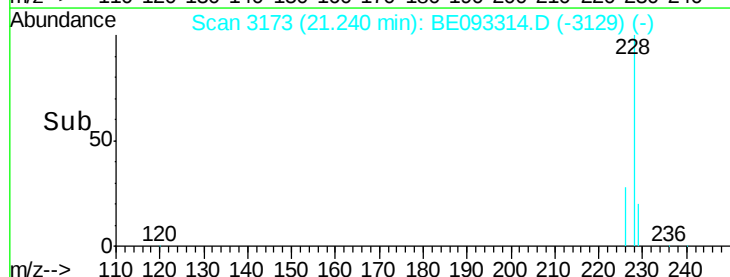
226 28.1 17.0 25.6#

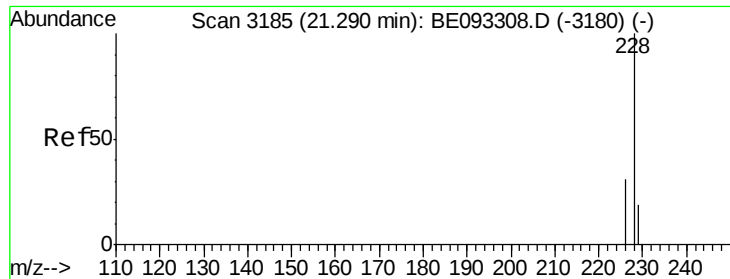


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 10.86 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

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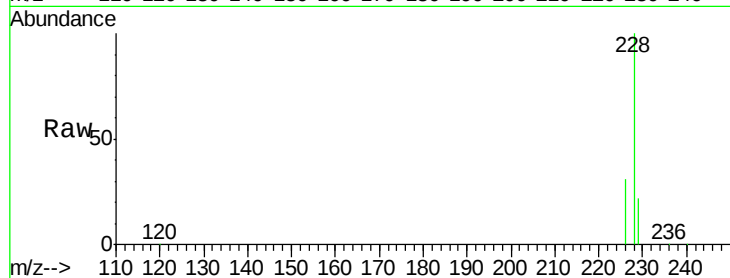
Tgt Ion:228 Resp: 385501

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

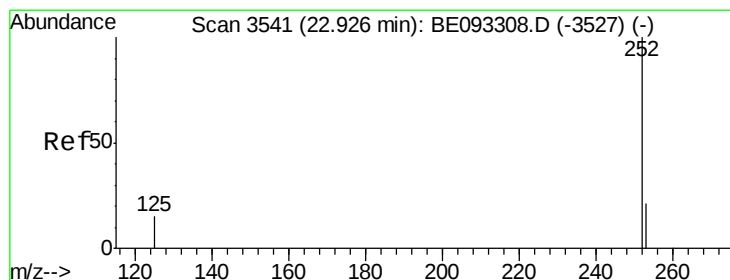
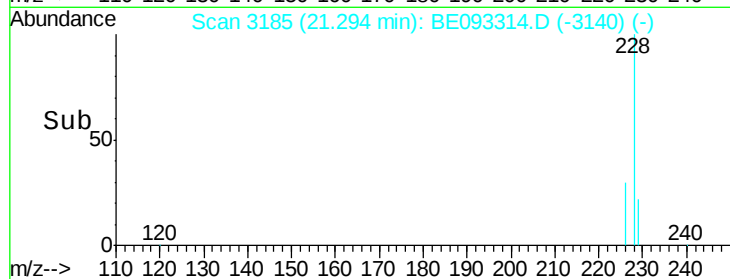
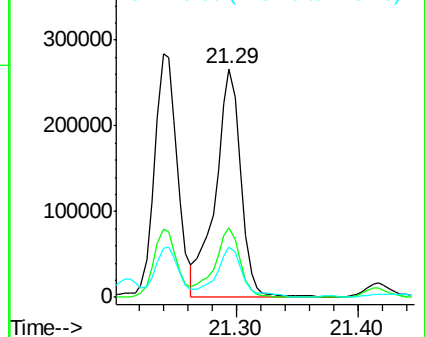
229 22.1 17.7 26.5



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: 17.06 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

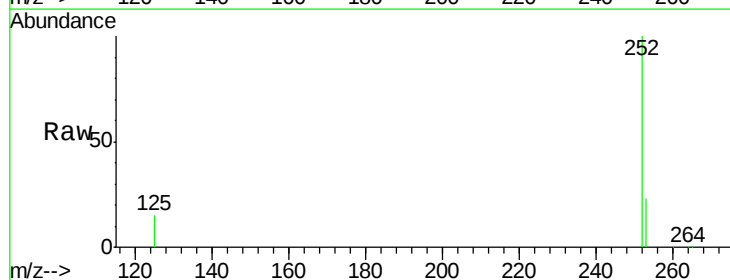
Tgt Ion:252 Resp: 544276

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

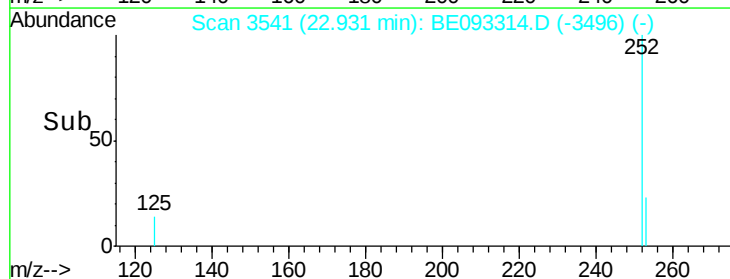
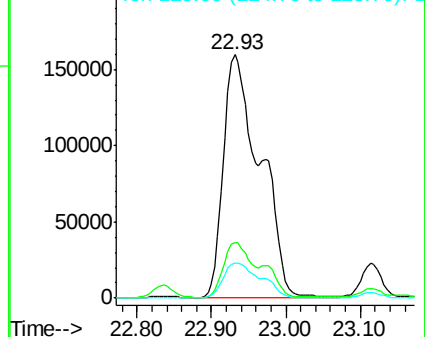
125 14.5 0.0 35.0

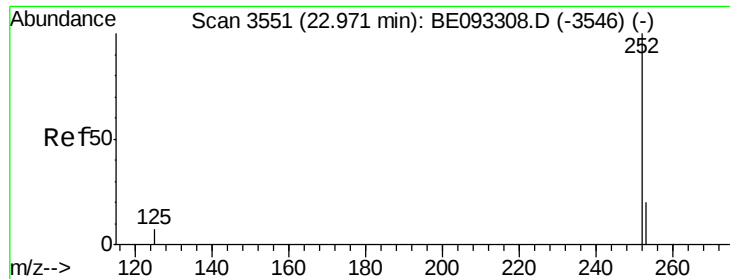


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.15 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

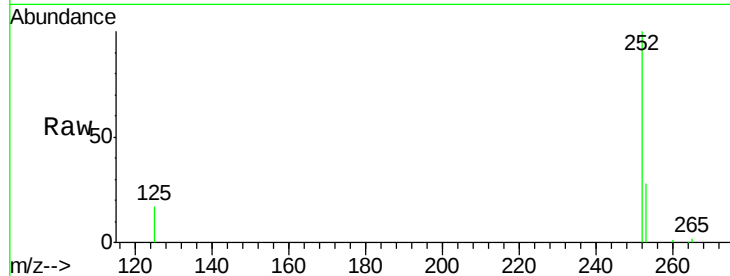
Tgt Ion:252 Resp: 39048

Ion Ratio Lower Upper

252 100

253 28.2 24.5 36.7

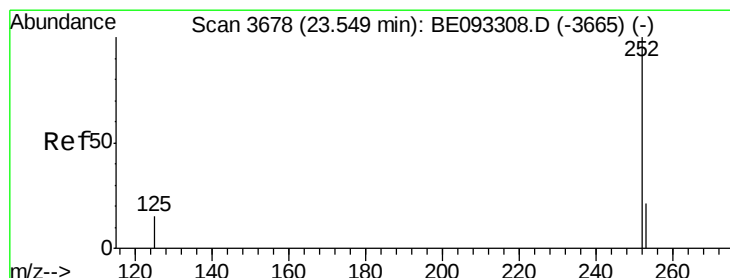
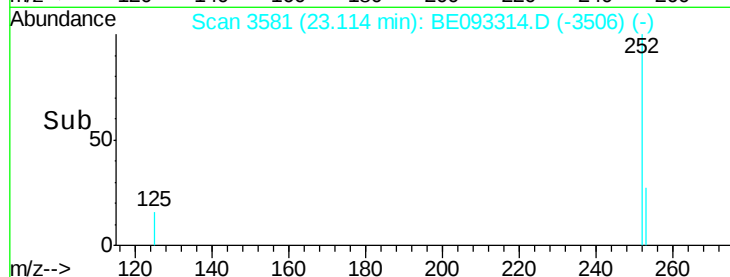
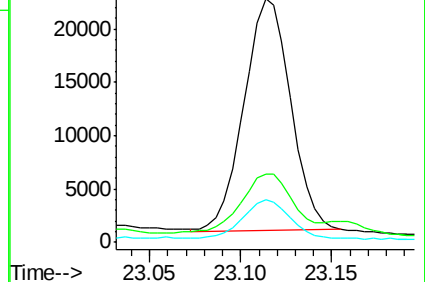
125 17.4 13.7 20.5



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: 8.80 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.01 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

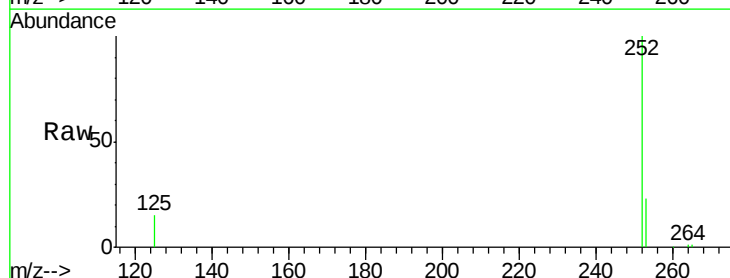
Tgt Ion:252 Resp: 265473

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

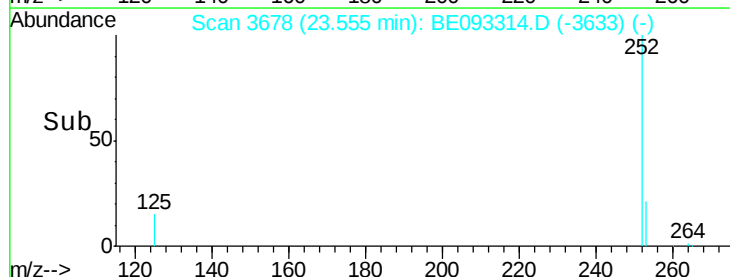
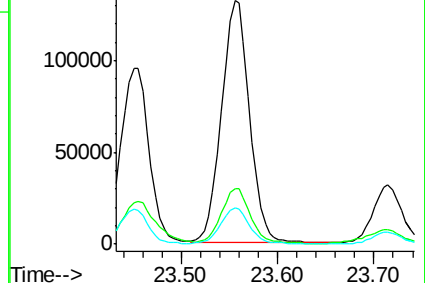
125 15.0 18.1 27.1#

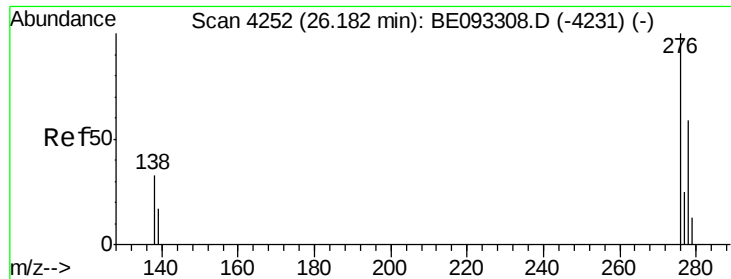


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.62 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

Instrument :

BNA_E

ClientSampleId :

F5A92DL

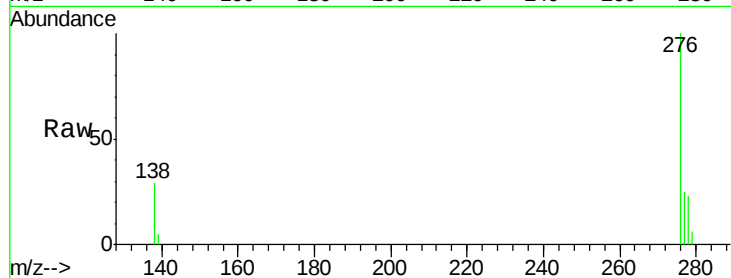
Tgt Ion:276 Resp: 161308

Ion Ratio Lower Upper

276 100

138 29.2 28.0 42.0

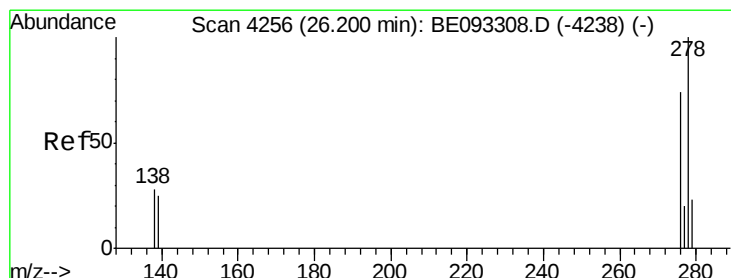
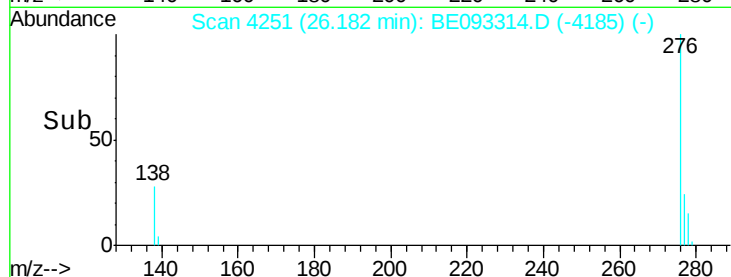
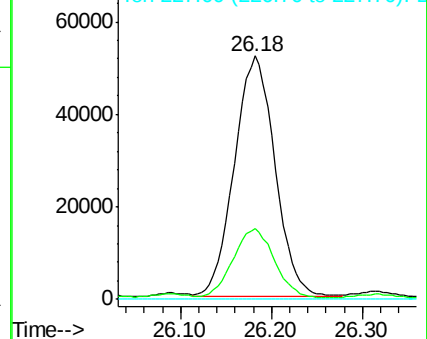
227 0.0 8.0 12.0#



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: 1.62 ng/ul

RT: 26.20 min Scan# 4254

Delta R.T. -0.00 min

Lab File: BE093314.D

Acq: 21 Jun 2017 14:16

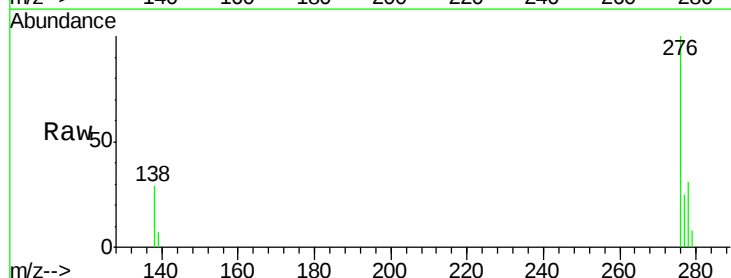
Tgt Ion:278 Resp: 47671

Ion Ratio Lower Upper

278 100

139 23.1 17.4 26.0

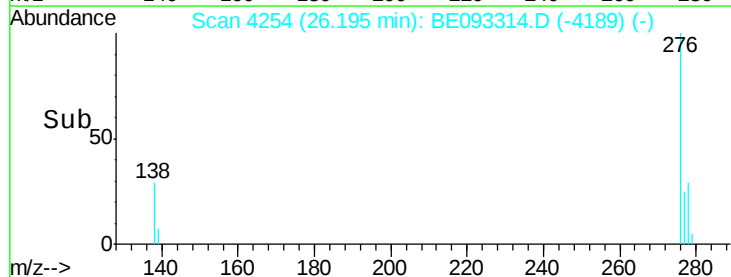
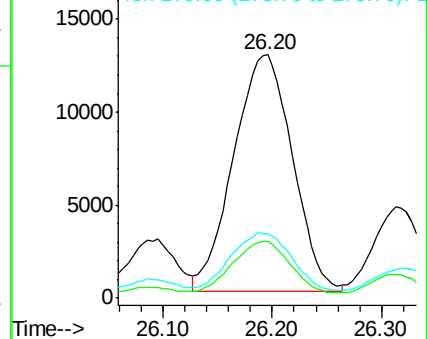
279 26.5 25.9 38.9

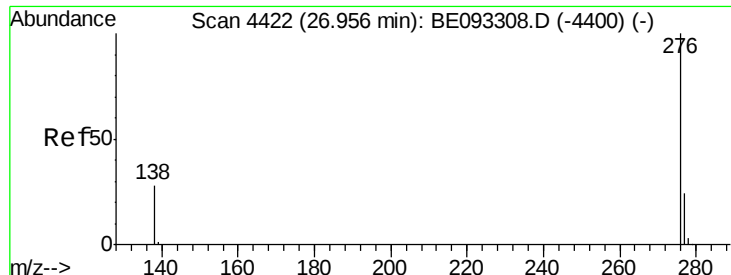


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

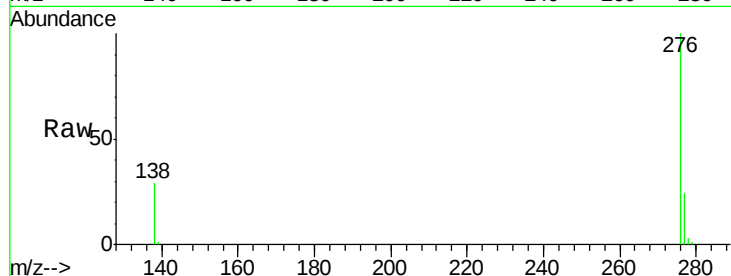




#26
Benzo(g,h,i)perylene
Concen: 4.09 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. -0.00 min
Lab File: BE093314.D
Acq: 21 Jun 2017 14:16

Instrument :
BNA_E
ClientSampleId :
F5A92DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	21.8	32.8
277	24.1	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

