

Data File : BE093317.D
Acq On : 21 Jun 2017 16:06
Operator : SJ/JU
Sample : I3627-11DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A99DL

Quant Time: Jun 22 02:12:09 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	1373	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7642	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4756	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11639	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	11471	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	10533	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	618	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1670	0.05	ng/ul	0.00

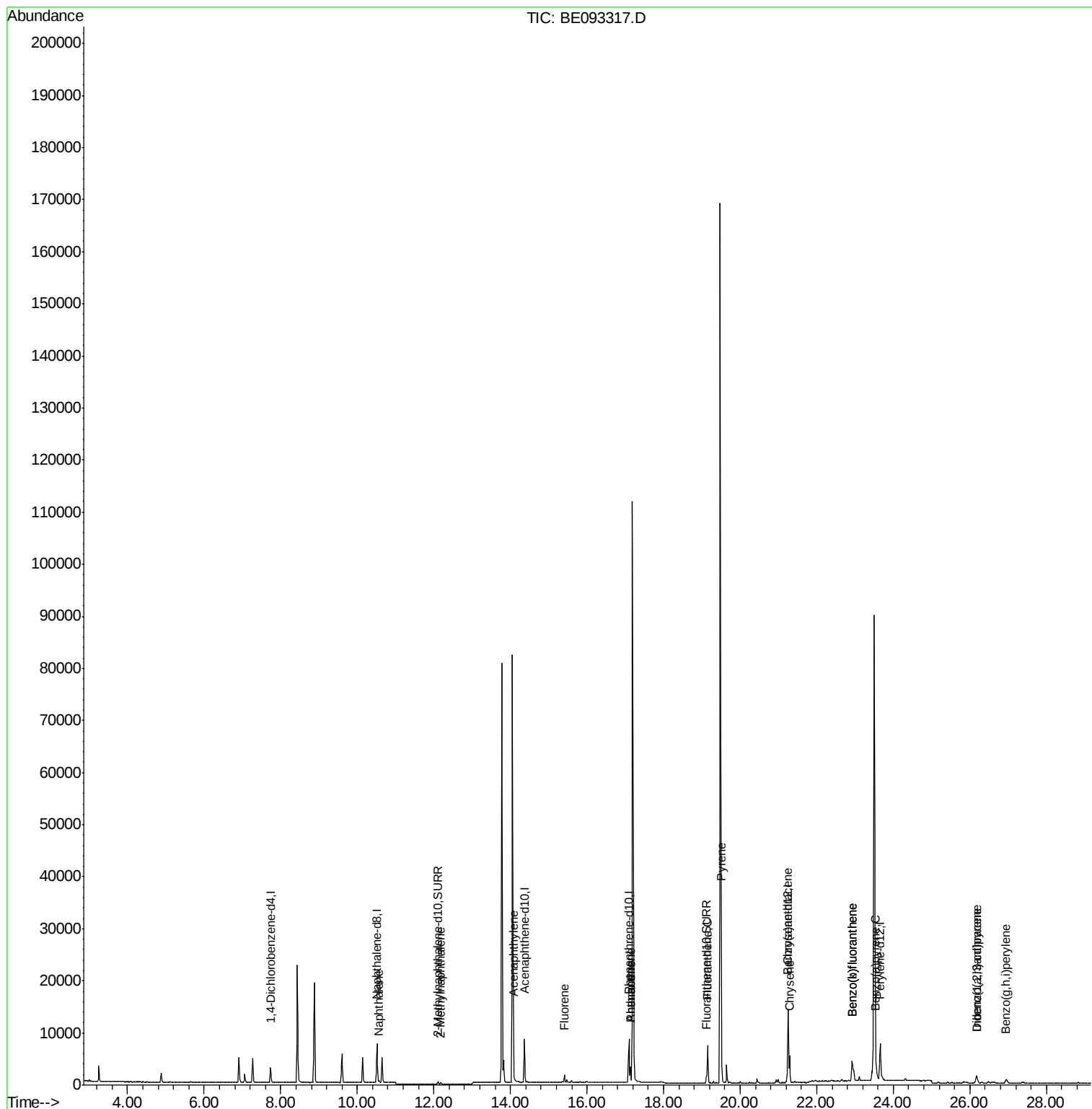
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	479	0.03	ng/ul#	77
5) 2-Methylnaphthalene	12.18	142	239	0.02	ng/ul	93
7) Acenaphthylene	14.08	152	1083	0.05	ng/ul#	91
9) Fluorene	15.42	166	884	0.05	ng/ul	91
12) Phenanthrene	17.14	178	3135	0.10	ng/ul#	91
13) Anthracene	17.14	178	3127	0.11	ng/ul	93
15) Fluoranthene	19.15	202	7967	0.20	ng/ul	85
17) Pyrene	19.51	202	8610	0.25	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	4440	0.15	ng/ul#	86
19) Chrysene	21.29	228	5496	0.17	ng/ul	97
21) Benzo(b)fluoranthene	22.92	252	9093	0.28	ng/ul	91
22) Benzo(k)fluoranthene	22.92	252	9093	0.27	ng/ul	93
23) Benzo(a)pyrene	23.55	252	3451	0.11	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.17	276	2209	0.06	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.19	278	591	0.02	ng/ul#	22
26) Benzo(g,h,i)perylene	26.94	276	1628	0.05	ng/ul#	82

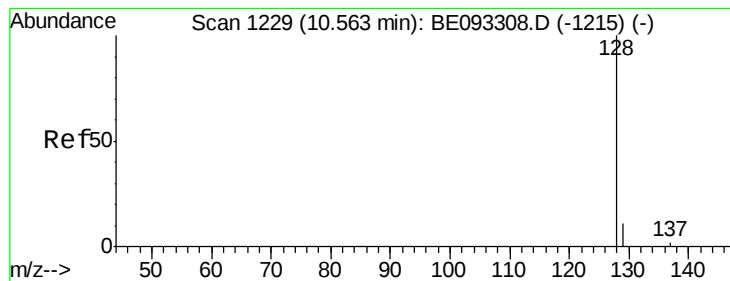
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

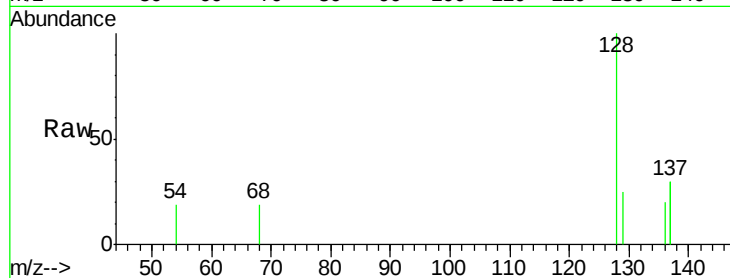
Tgt Ion:128 Resp: 479

Ion Ratio Lower Upper

128 100

129 24.9 11.3 16.9#

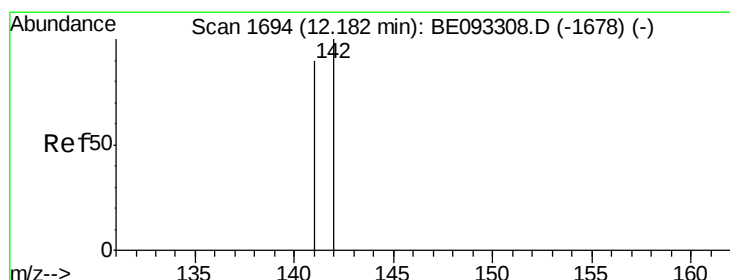
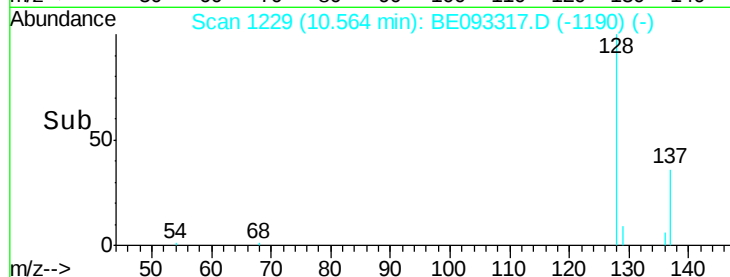
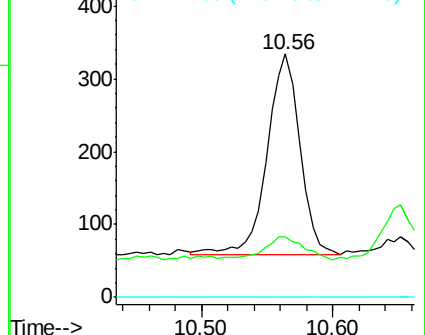
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093317.D

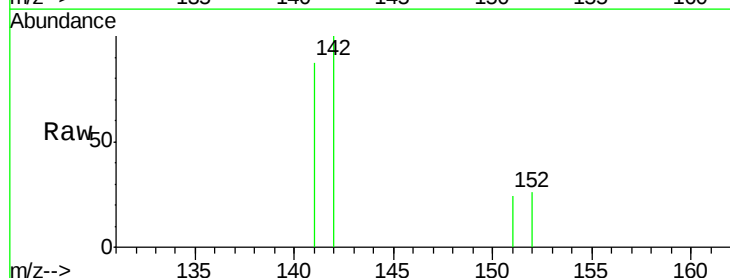
Acq: 21 Jun 2017 16:06

Tgt Ion:142 Resp: 239

Ion Ratio Lower Upper

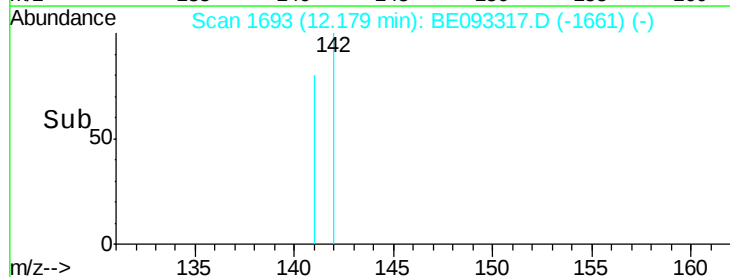
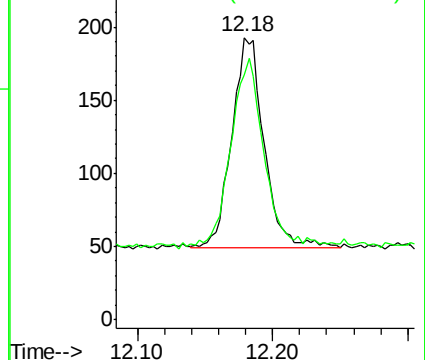
142 100

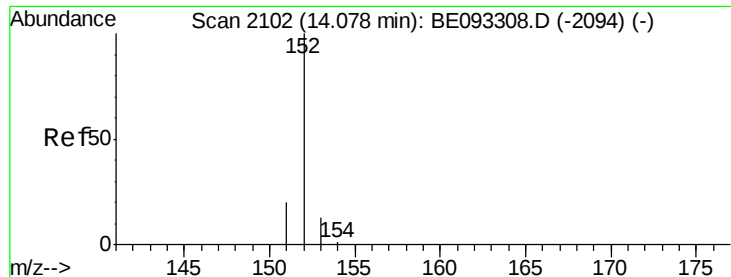
141 97.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.01 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

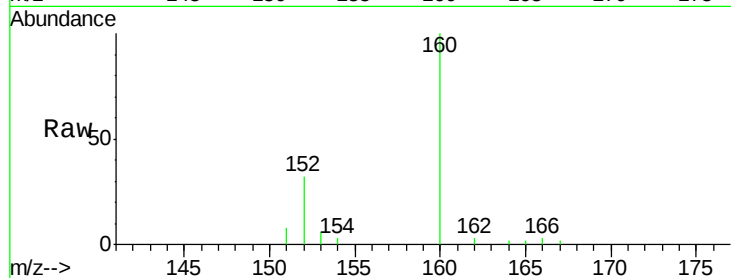
Tgt Ion:152 Resp: 1083

Ion Ratio Lower Upper

152 100

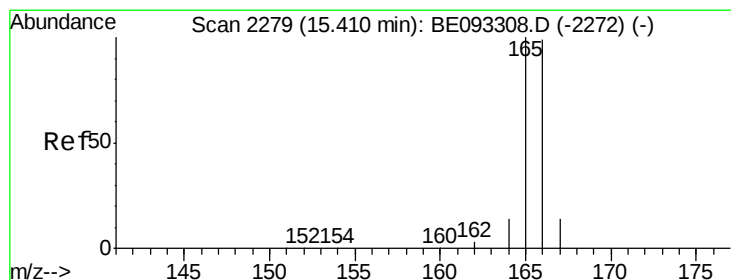
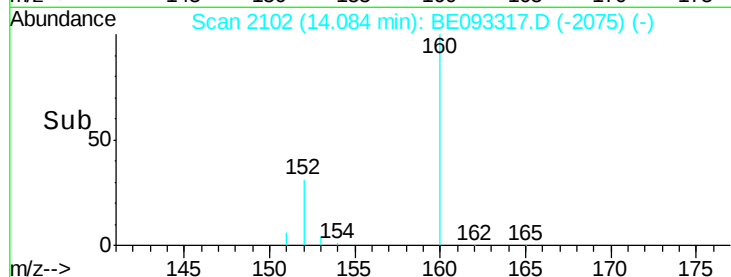
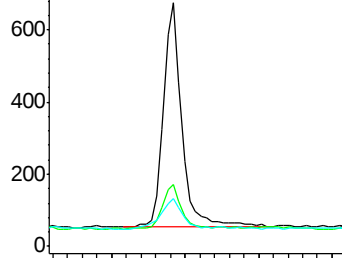
151 25.7 17.1 25.7

153 19.9 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

14.08



#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

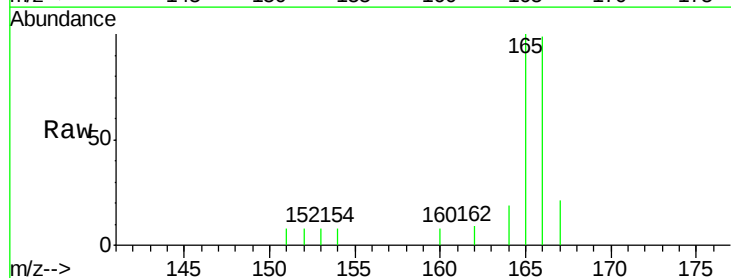
Tgt Ion:166 Resp: 884

Ion Ratio Lower Upper

166 100

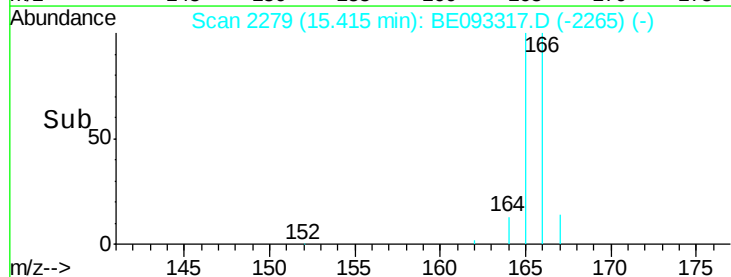
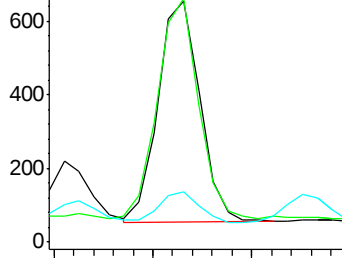
165 101.1 73.4 110.2

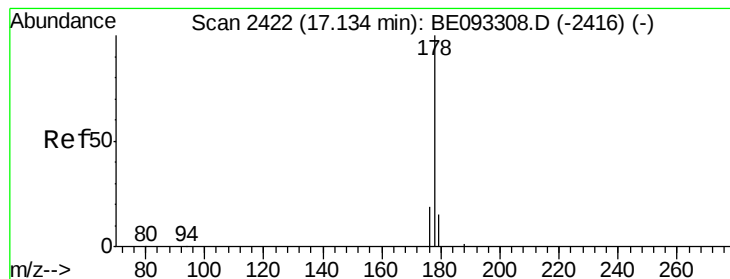
167 21.1 14.6 22.0



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

15.42





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

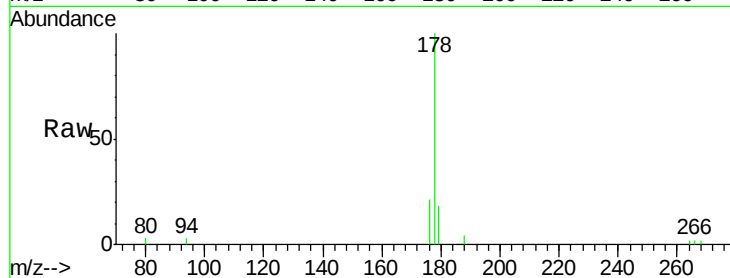
Tgt Ion:178 Resp: 3135

Ion Ratio Lower Upper

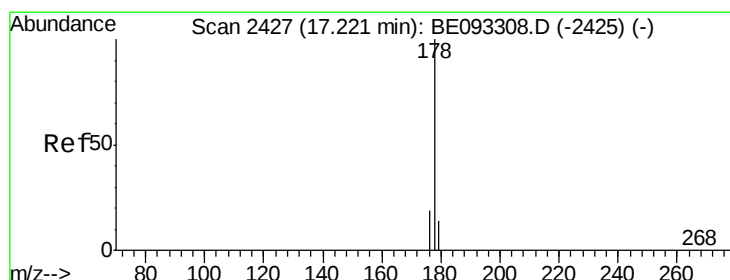
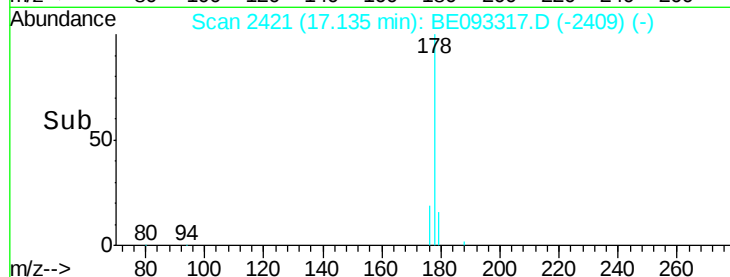
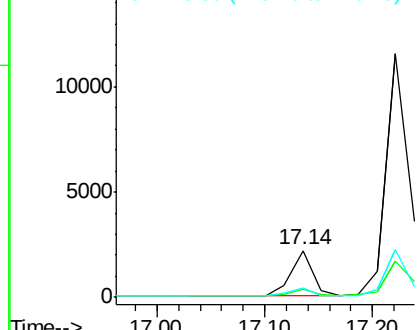
178 100

179 18.2 18.4 27.6#

176 20.5 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: 0.11 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. -0.09 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

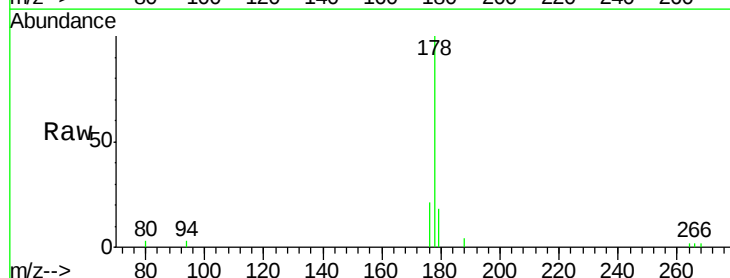
Tgt Ion:178 Resp: 3127

Ion Ratio Lower Upper

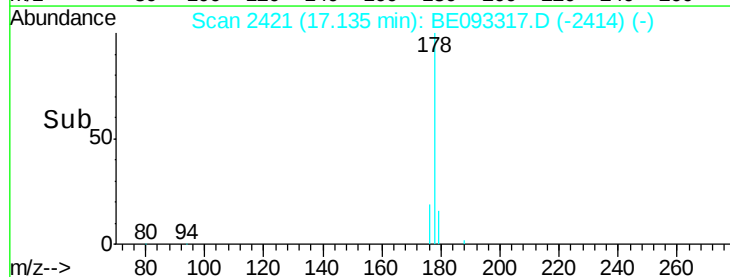
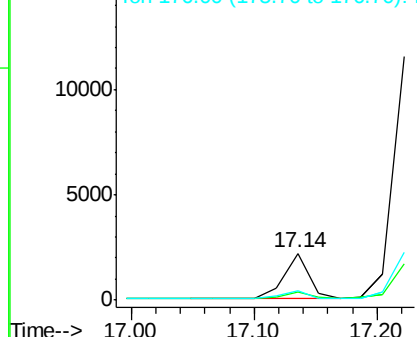
178 100

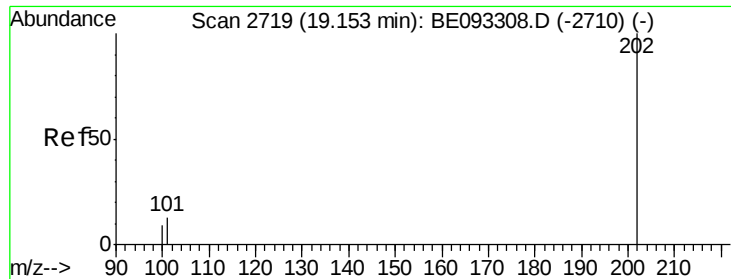
179 18.2 18.1 27.1

176 20.5 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

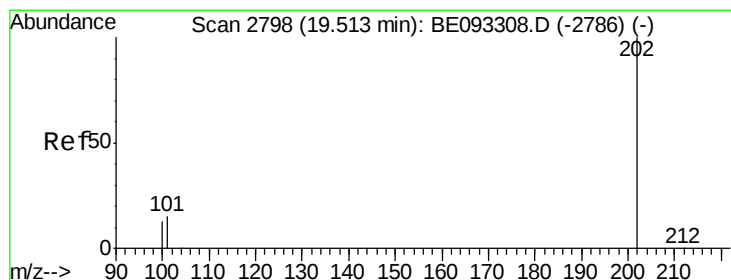
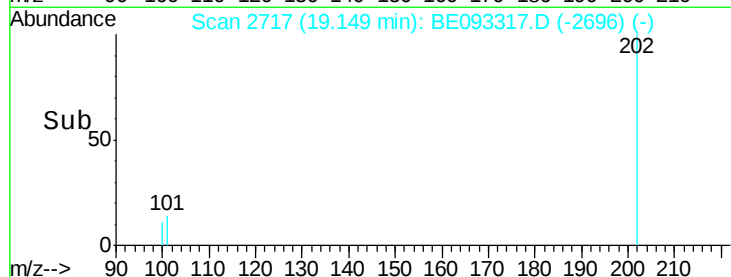
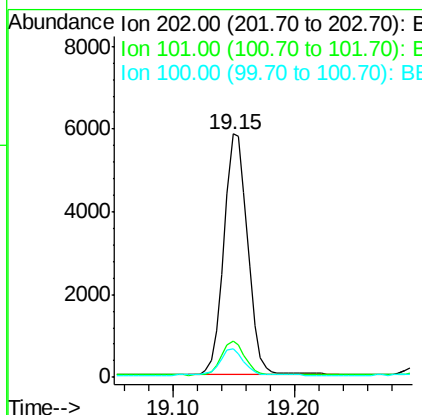
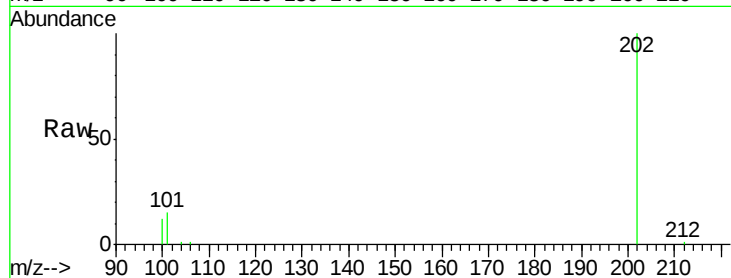




#15
Fluoranthene
Concen: 0.20 ng/ul
RT: 19.15 min Scan# 2717
Delta R.T. -0.00 min
Lab File: BE093317.D
Acq: 21 Jun 2017 16:06

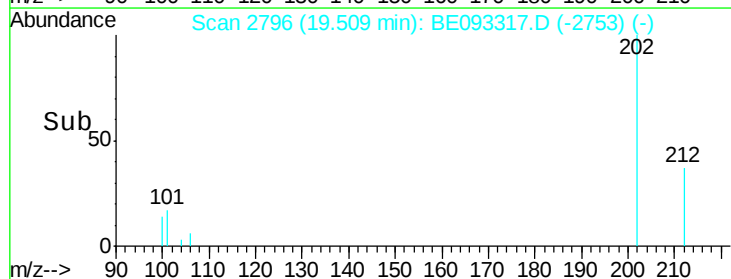
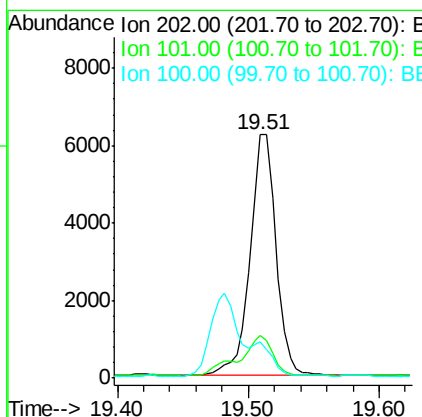
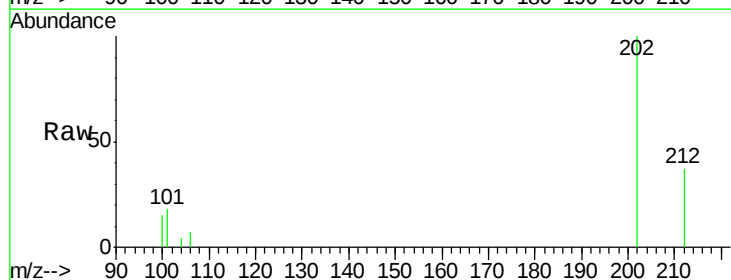
Instrument :
BNA_E
ClientSampleId :
F5A99DL

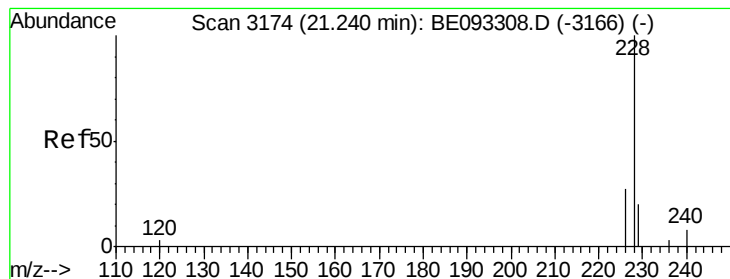
Tgt Ion:202 Resp: 7967
Ion Ratio Lower Upper
202 100
101 15.1 0.0 30.3
100 12.0 0.0 39.5



#17
Pyrene
Concen: 0.25 ng/ul
RT: 19.51 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BE093317.D
Acq: 21 Jun 2017 16:06

Tgt Ion:202 Resp: 8610
Ion Ratio Lower Upper
202 100
101 17.6 18.2 27.4#
100 14.8 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

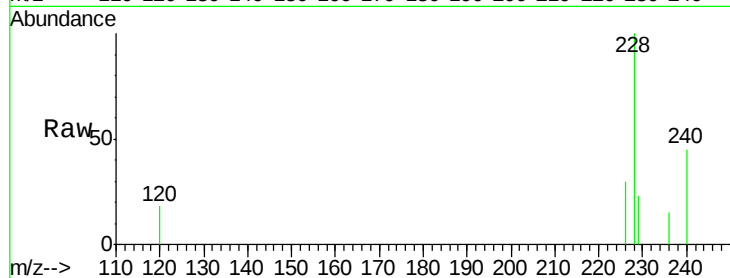
Tgt Ion:228 Resp: 4440

Ion Ratio Lower Upper

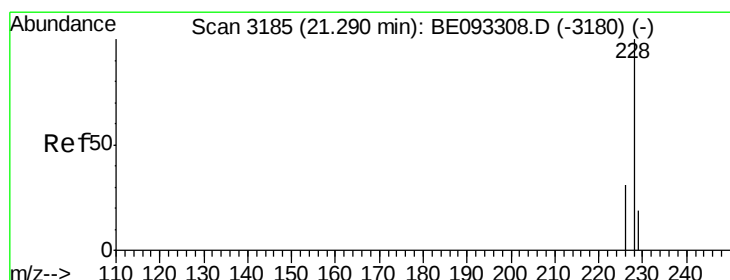
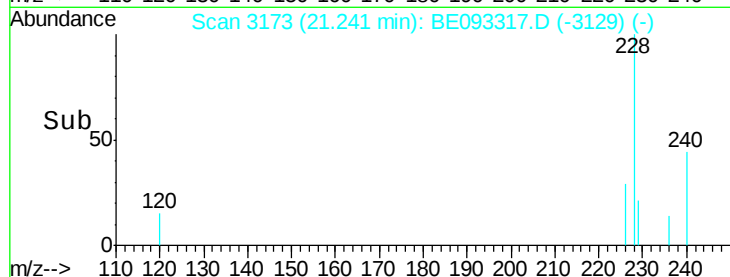
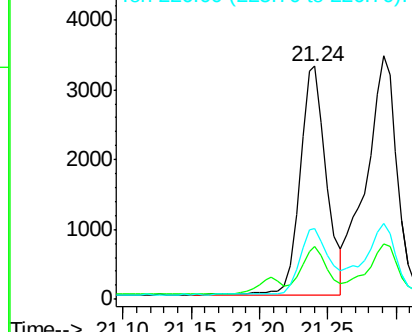
228 100

229 22.6 22.8 34.2#

226 30.2 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: 0.17 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

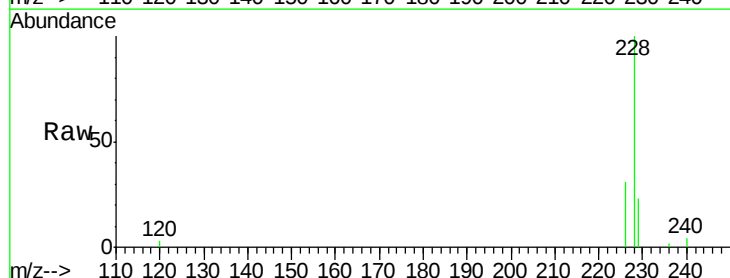
Tgt Ion:228 Resp: 5496

Ion Ratio Lower Upper

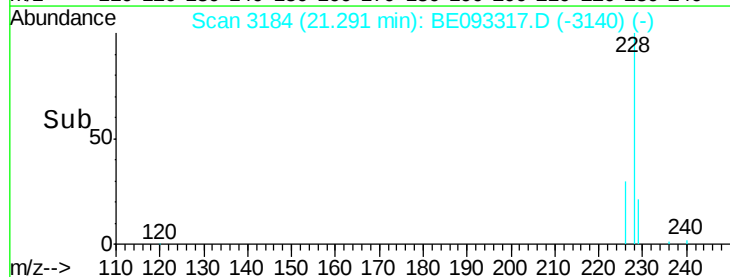
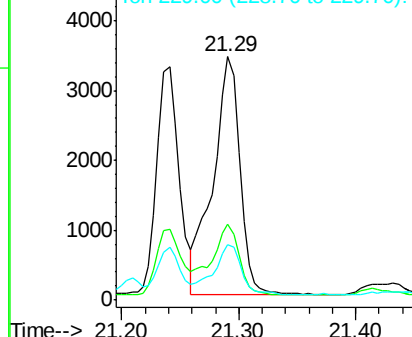
228 100

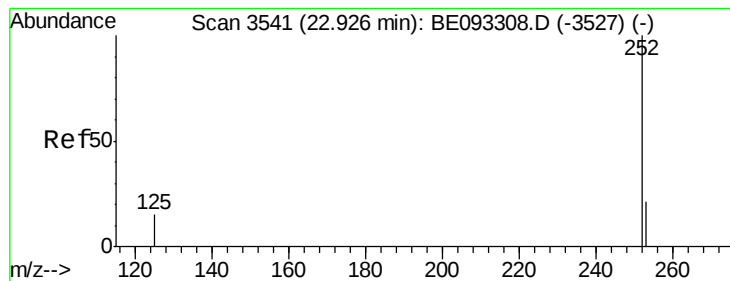
226 31.3 23.4 35.0

229 22.6 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: 0.28 ng/u1

RT: 22.92 min Scan# 3539

Delta R.T. -0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

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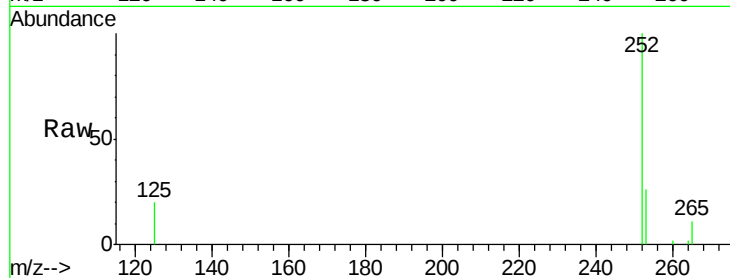
Tgt Ion:252 Resp: 9093

Ion Ratio Lower Upper

252 100

253 26.2 0.0 64.2

125 19.7 0.0 35.0

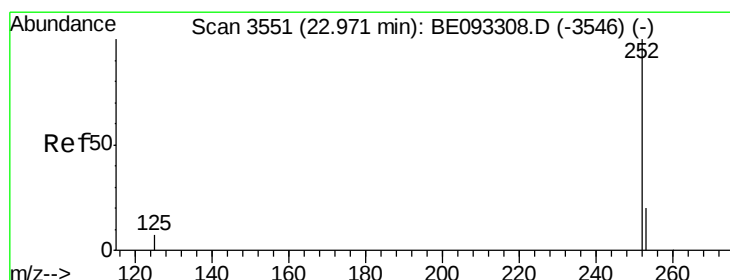
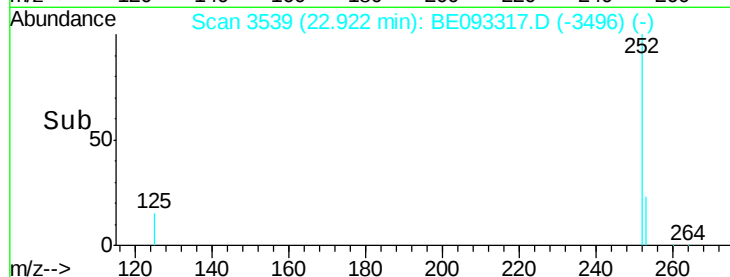
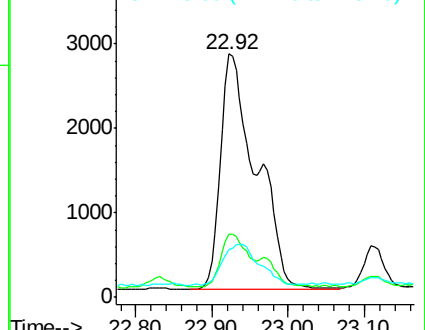


Abundance

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: 0.27 ng/u1

RT: 22.92 min Scan# 3539

Delta R.T. -0.05 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

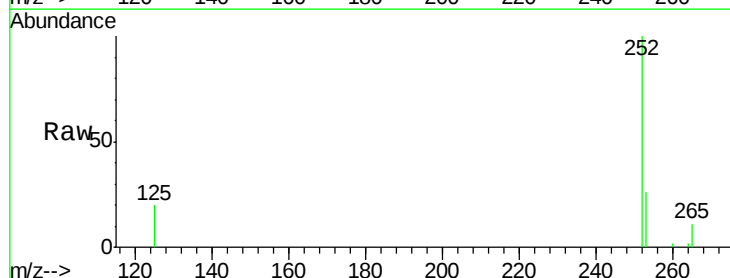
Tgt Ion:252 Resp: 9093

Ion Ratio Lower Upper

252 100

253 26.2 24.5 36.7

125 19.7 13.7 20.5

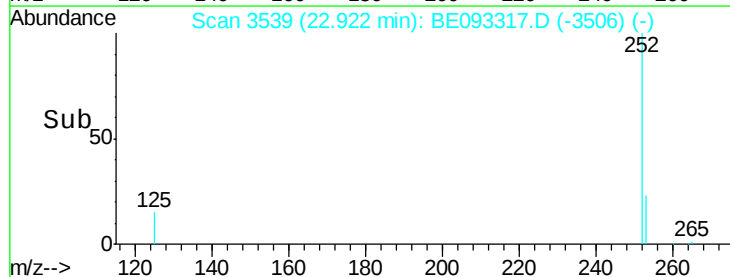
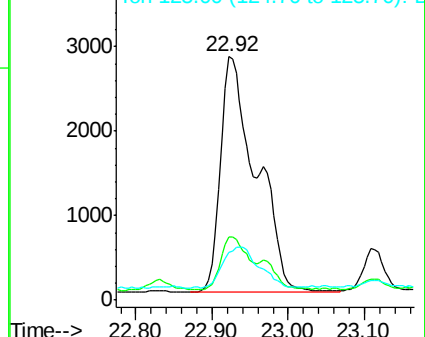


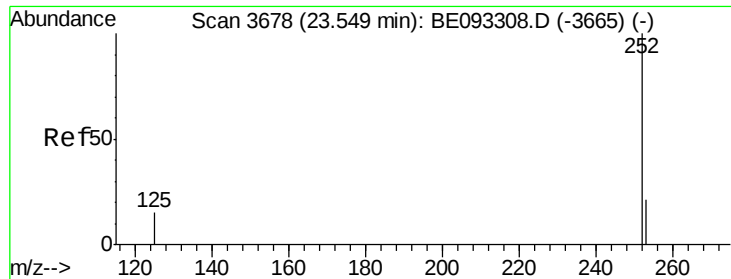
Abundance

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: 0.11 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

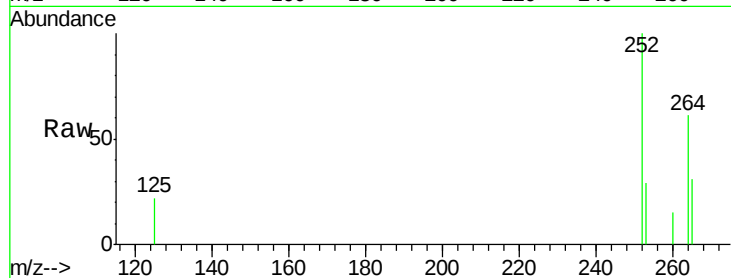
Tgt Ion:252 Resp: 3451

Ion Ratio Lower Upper

252 100

253 29.1 28.5 42.7

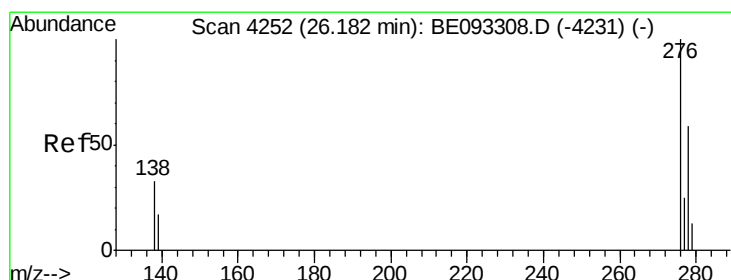
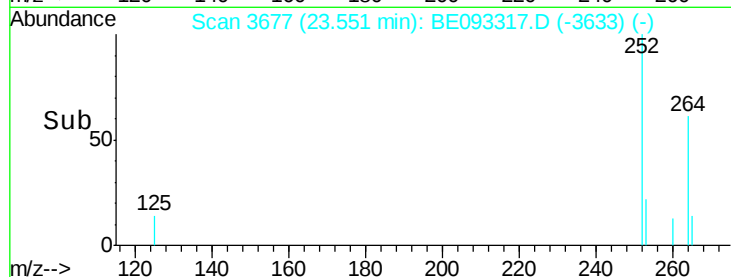
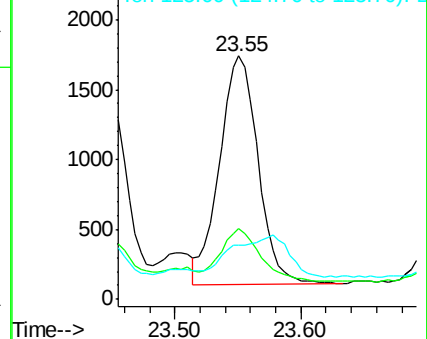
125 22.3 18.1 27.1



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: 0.06 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.01 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

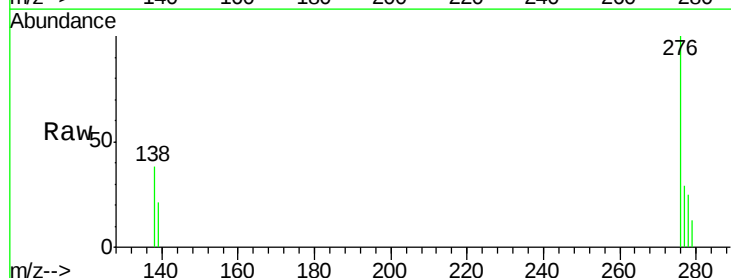
Tgt Ion:276 Resp: 2209

Ion Ratio Lower Upper

276 100

138 33.5 28.0 42.0

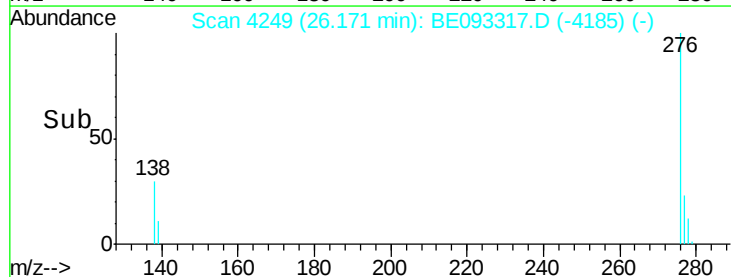
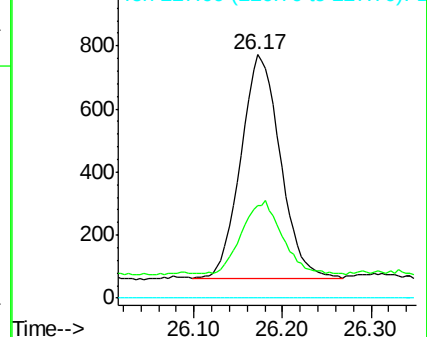
227 0.0 8.0 12.0#

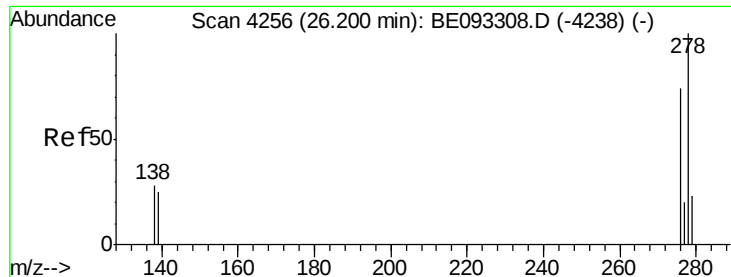


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

Instrument :

BNA_E

ClientSampleId :

F5A99DL

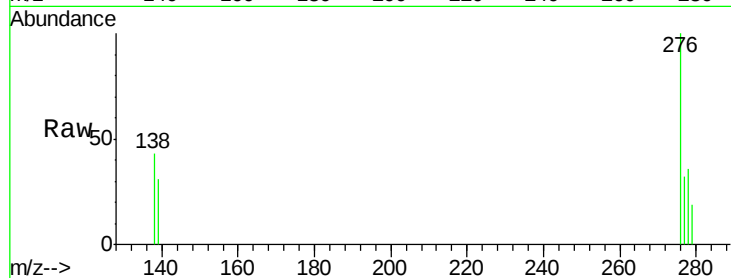
Tgt Ion:278 Resp: 591

Ion Ratio Lower Upper

278 100

139 88.1 17.4 26.0#

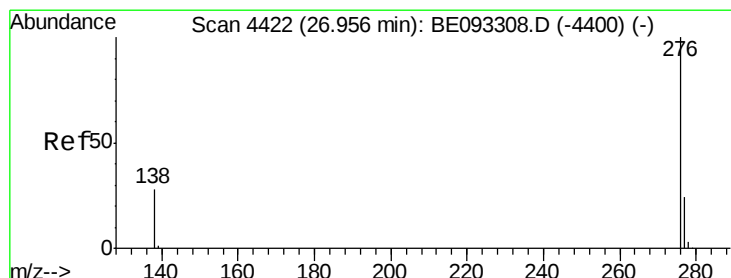
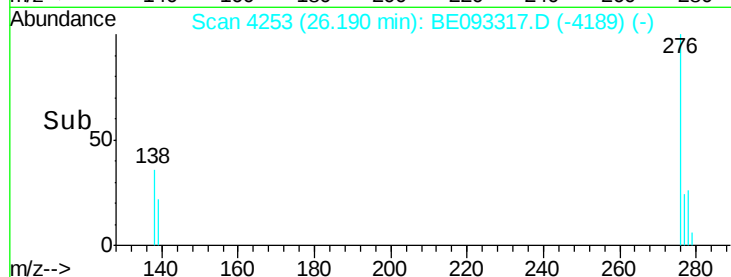
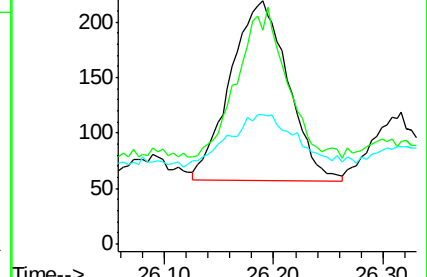
279 53.0 25.9 38.9#



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: 0.05 ng/ul

RT: 26.94 min Scan# 4418

Delta R.T. -0.01 min

Lab File: BE093317.D

Acq: 21 Jun 2017 16:06

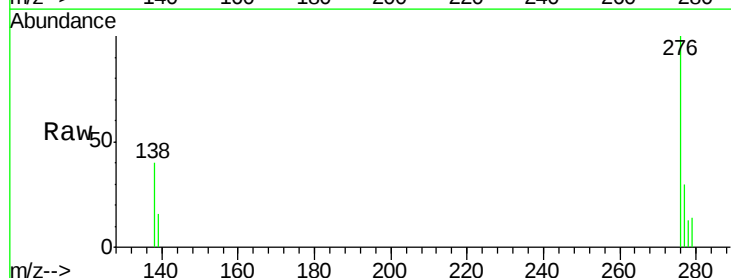
Tgt Ion:276 Resp: 1628

Ion Ratio Lower Upper

276 100

138 40.4 21.8 32.8#

277 30.4 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

