

Data File : BE093179.D
Acq On : 14 Jun 2017 21:00
Operator : SJ/MA
Sample : I3558-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C61

Quant Time: Jun 15 03:59:52 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 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4303	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22178	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	13685	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	32803	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	33950	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	34412	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4706	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13077	0.15	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.57	128	79030	1.44	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	15774	0.42	ng/ul	98
7) Acenaphthylene	14.08	152	14803	0.25	ng/ul	97
8) Acenaphthene	14.43	153	22835	0.48	ng/ul	98
9) Fluorene	15.42	166	15241	0.27	ng/ul	91
12) Phenanthrene	17.14	178	120484	1.33	ng/ul#	87
13) Anthracene	17.22	178	43239	0.55	ng/ul#	87
15) Fluoranthene	19.15	202	187529	1.69	ng/ul	84
17) Pyrene	19.51	202	166263	1.66	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	80295	0.89	ng/ul#	85
19) Chrysene	21.29	228	121536	1.29	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	403746	3.87	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	36299	0.33	ng/ul	98
23) Benzo(a)pyrene	23.56	252	156522	1.59	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	170397	1.49	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	41468	0.43	ng/ul#	92
26) Benzo(g,h,i)perylene	26.96	276	154344	1.57	ng/ul	97

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

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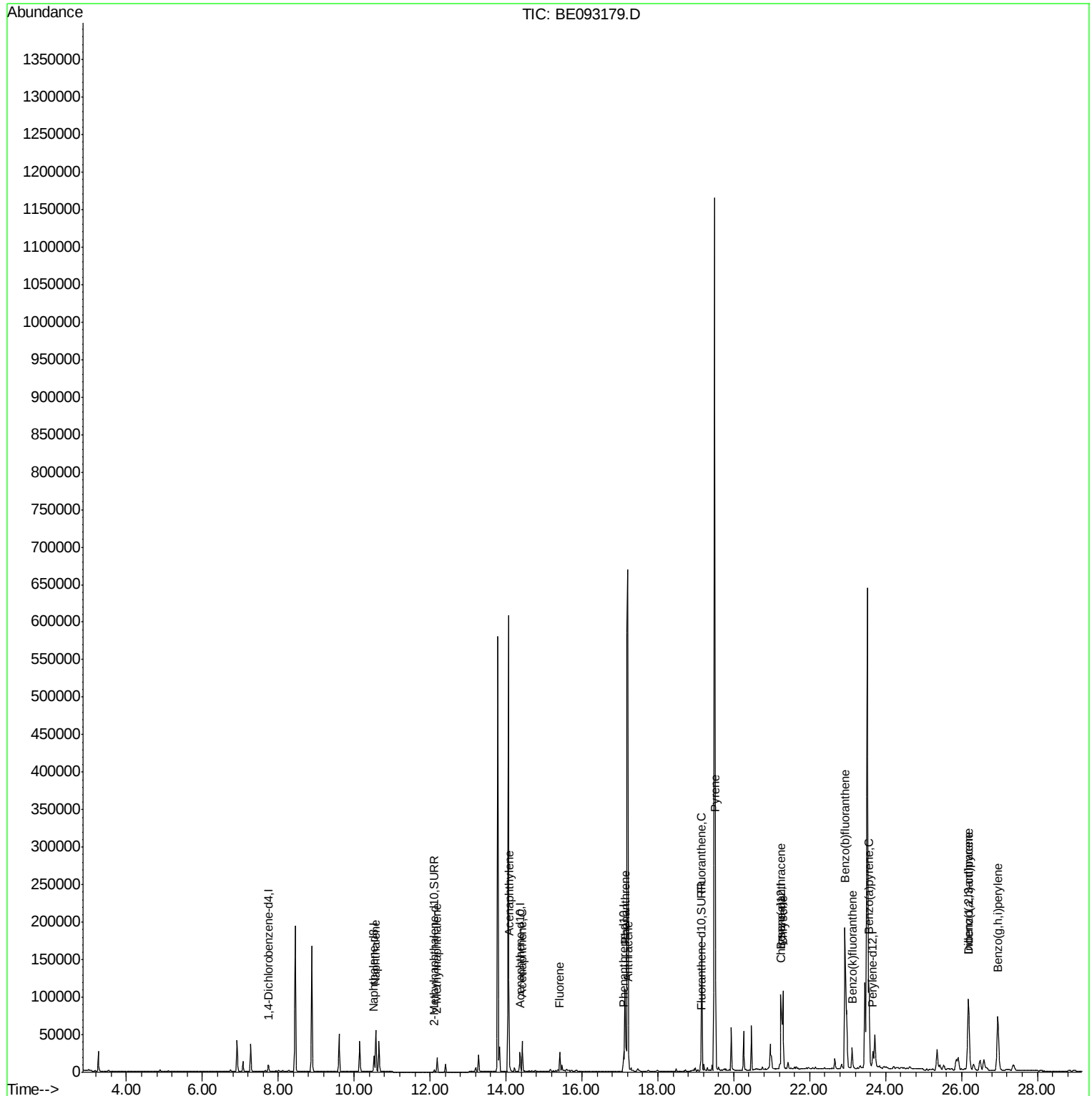
Quant Time: Jun 15 03:59:52 2017

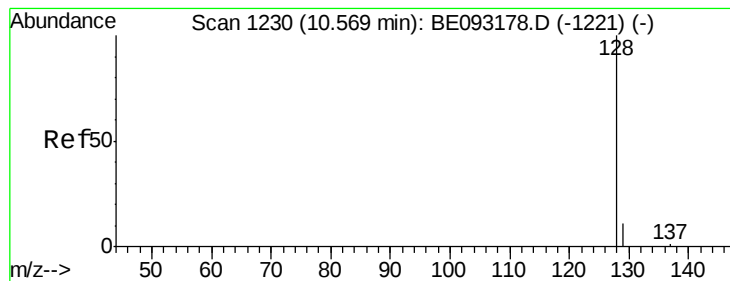
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 1.44 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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Instrument :

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F5C61

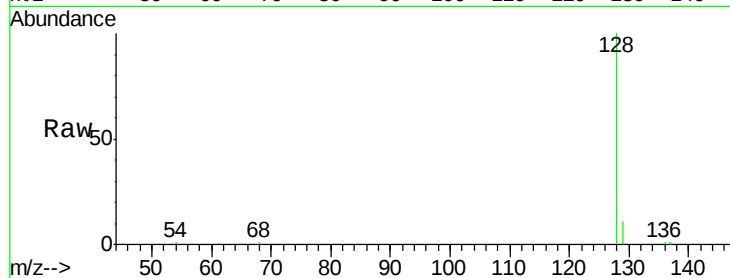
Tgt Ion:128 Resp: 79030

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

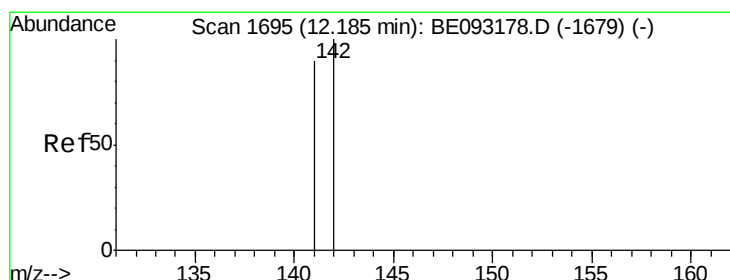
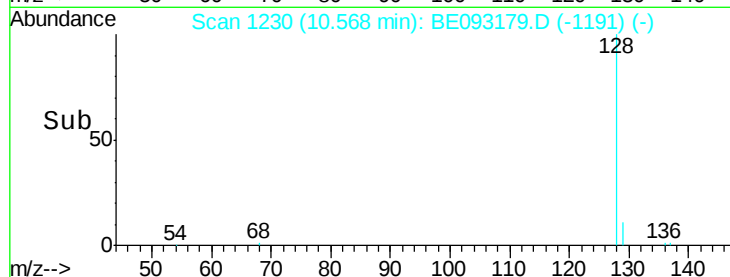
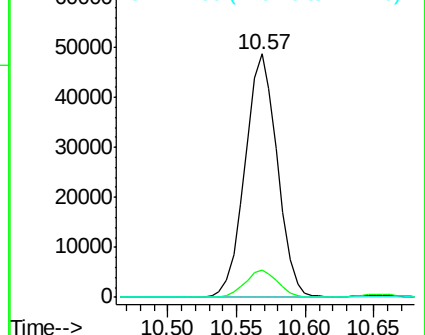
127 0.0 4.0 6.0#



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: 0.42 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093179.D

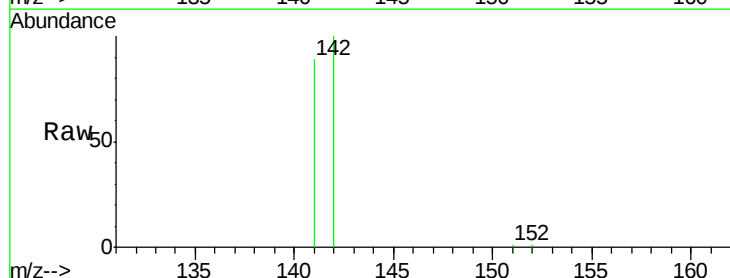
Acq: 14 Jun 2017 21:00

Tgt Ion:142 Resp: 15774

Ion Ratio Lower Upper

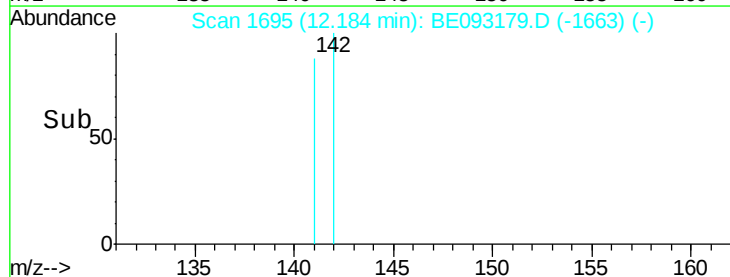
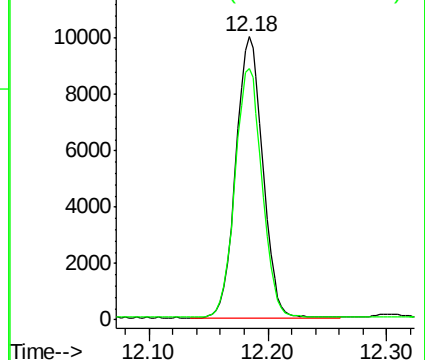
142 100

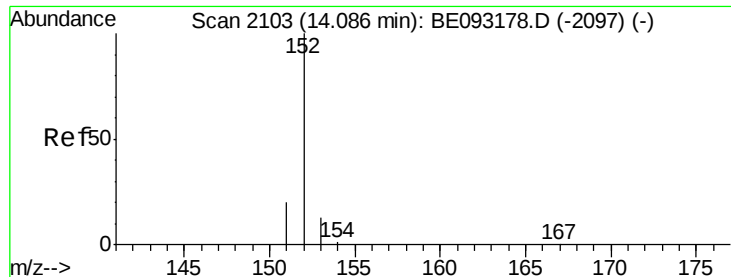
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.25 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

Instrument :

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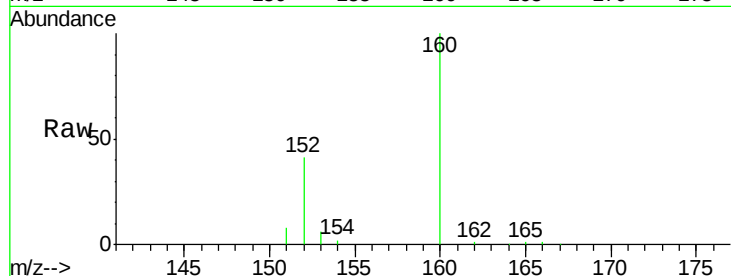
Tgt Ion:152 Resp: 14803

Ion Ratio Lower Upper

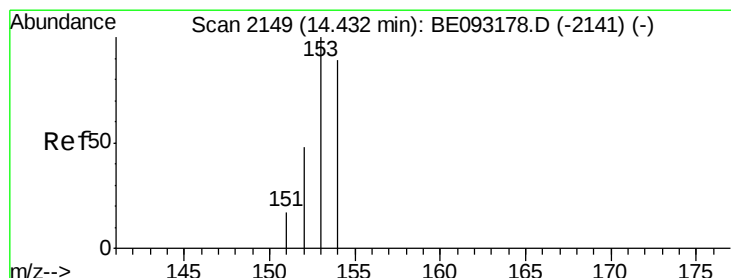
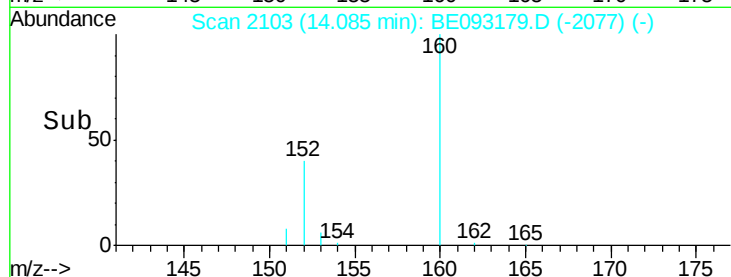
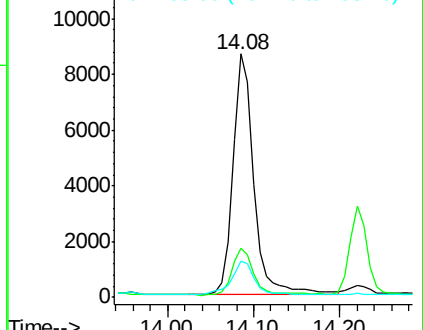
152 100

151 20.2 17.1 25.7

153 14.7 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: 0.48 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

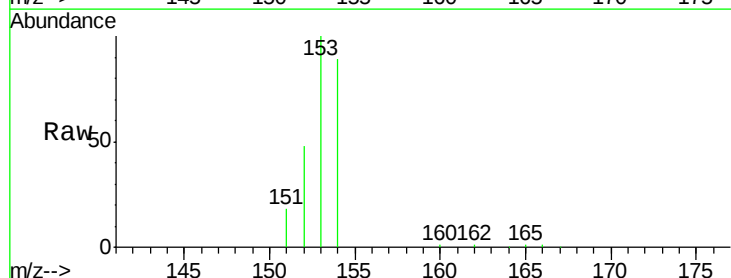
Tgt Ion:153 Resp: 22835

Ion Ratio Lower Upper

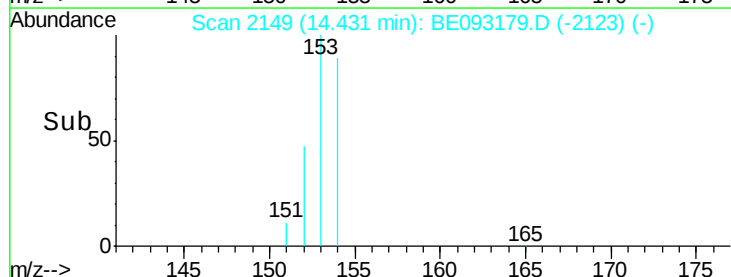
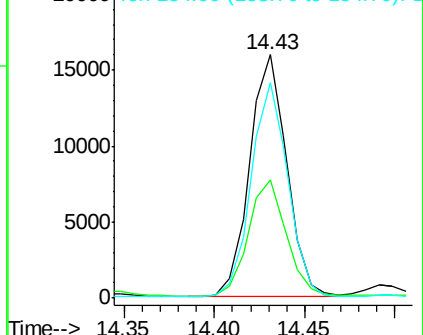
153 100

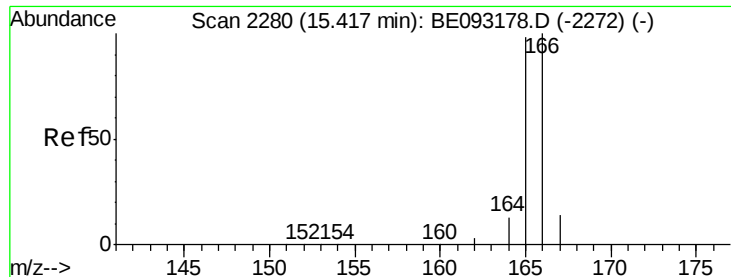
152 48.4 40.3 60.5

154 88.5 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: 0.27 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

Instrument :

BNA_E

ClientSampleId :

F5C61

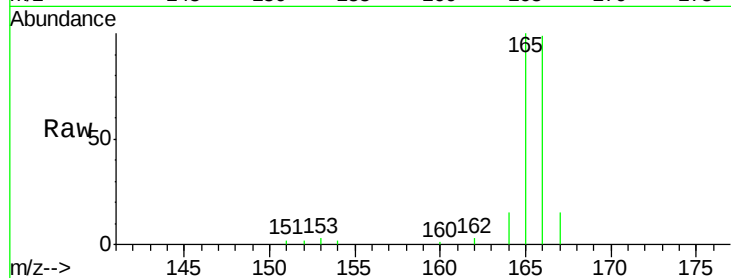
Tgt Ion:166 Resp: 15241

Ion Ratio Lower Upper

166 100

165 101.1 73.4 110.2

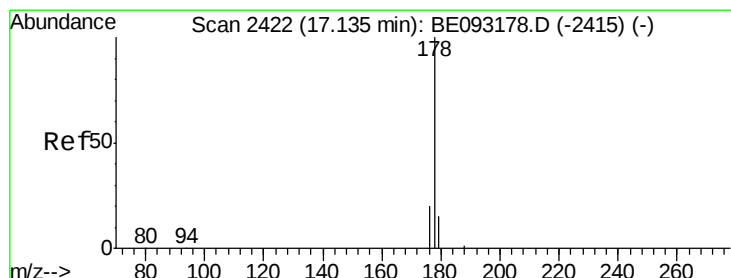
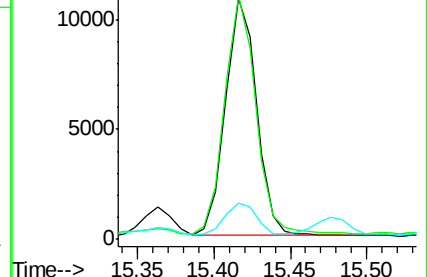
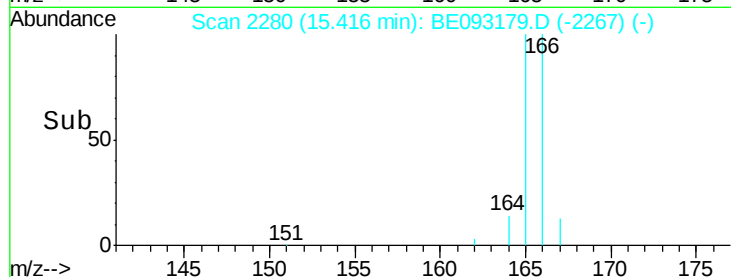
167 15.1 14.6 22.0



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



#12

Phenanthrene

Concen: 1.33 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

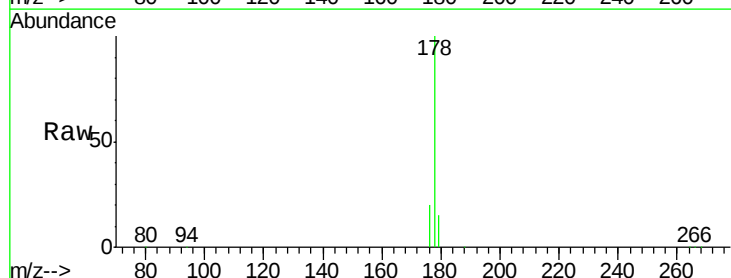
Tgt Ion:178 Resp: 120484

Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

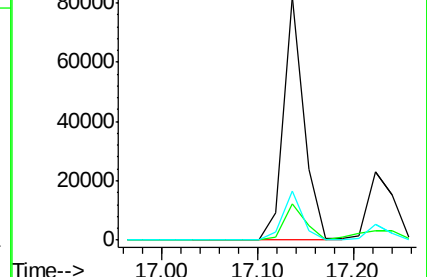
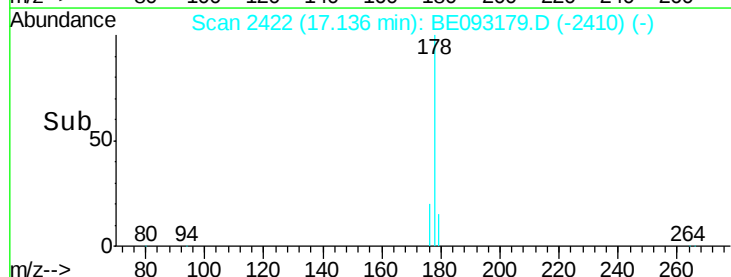
176 20.3 13.6 20.4

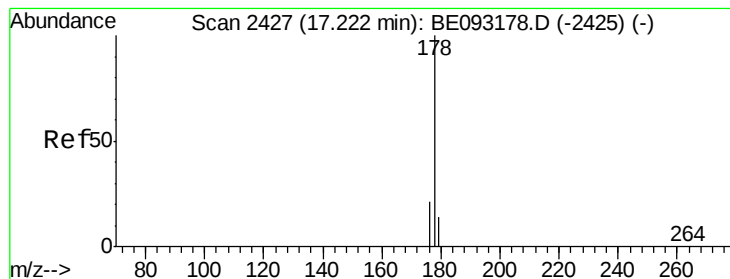


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.55 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

Instrument :

BNA_E

ClientSampleId :

F5C61

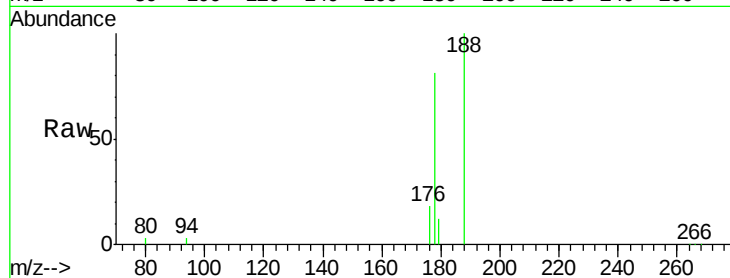
Tgt Ion:178 Resp: 43239

Ion Ratio Lower Upper

178 100

179 14.6 18.1 27.1#

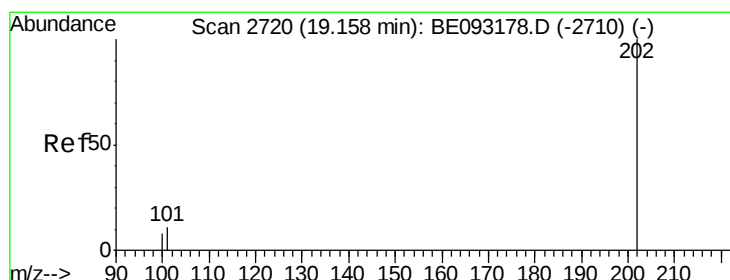
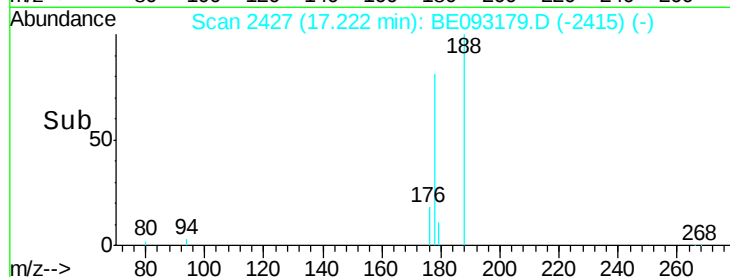
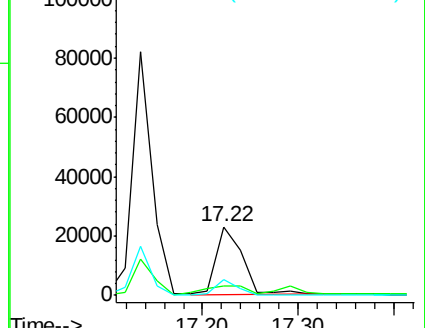
176 22.1 14.7 22.1



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: 1.69 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

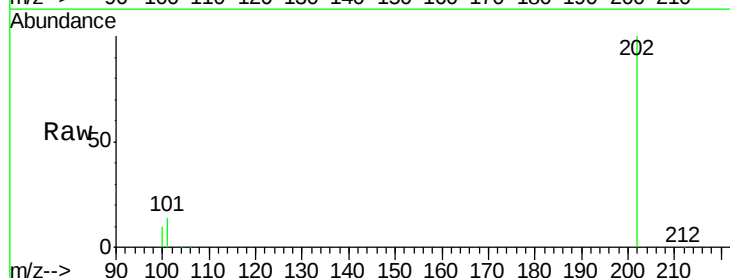
Tgt Ion:202 Resp: 187529

Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.3

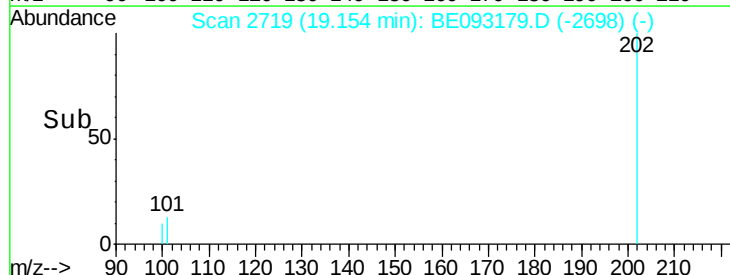
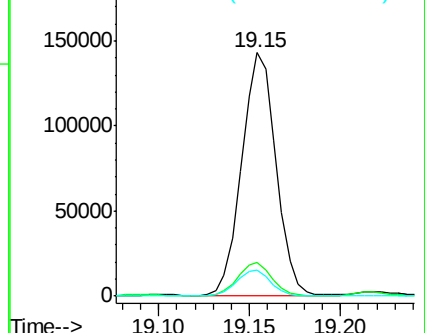
100 10.5 0.0 39.5

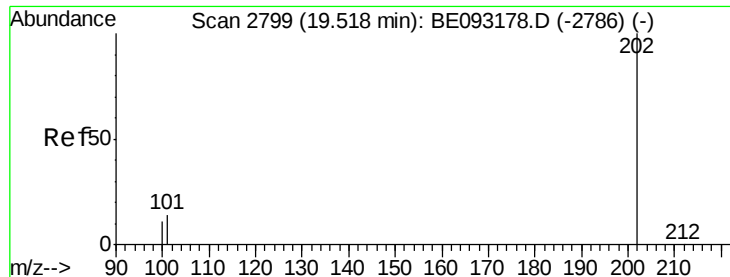


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

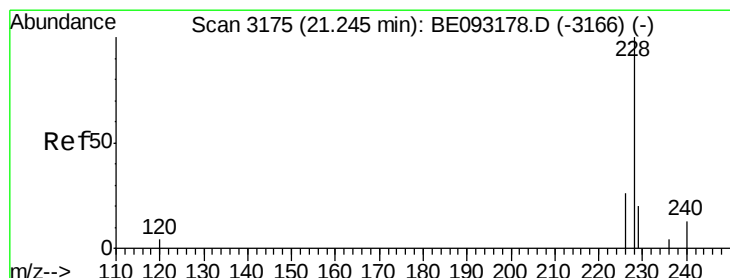
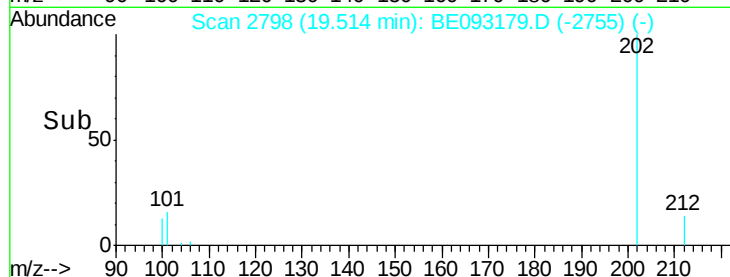
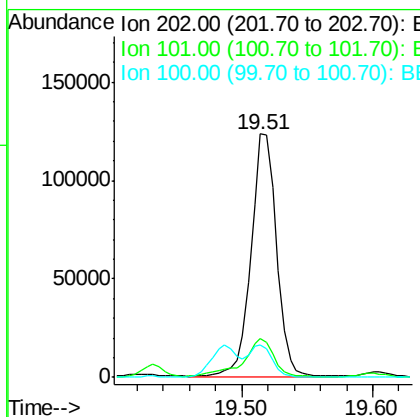
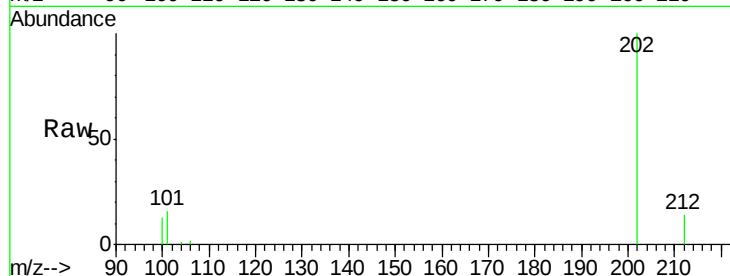




#17
 Pyrene
 Concen: 1.66 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093179.D
 Acq: 14 Jun 2017 21:00

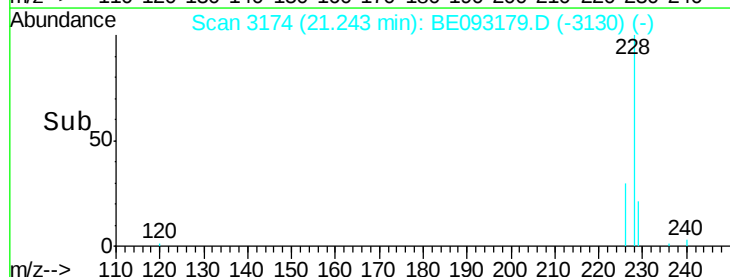
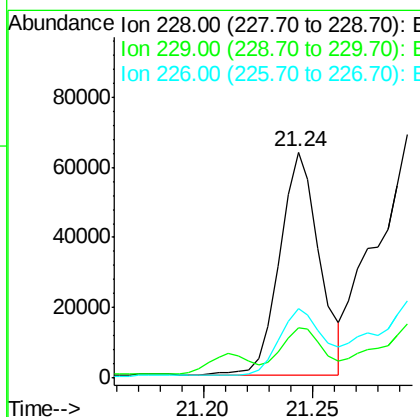
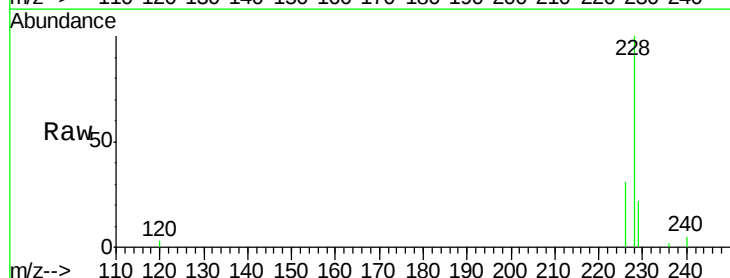
Instrument :
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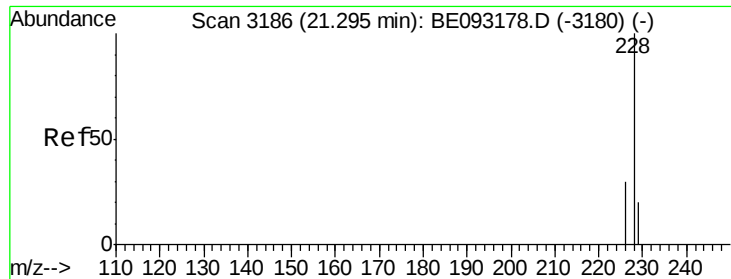
Tgt Ion:202 Resp: 166263
 Ion Ratio Lower Upper
 202 100
 101 16.0 18.2 27.4#
 100 13.4 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.89 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: BE093179.D
 Acq: 14 Jun 2017 21:00

Tgt Ion:228 Resp: 80295
 Ion Ratio Lower Upper
 228 100
 229 22.4 22.8 34.2#
 226 30.5 17.0 25.6#





#19

Chrysene

Concen: 1.29 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

Instrument :

BNA_E

ClientSampleId :

F5C61

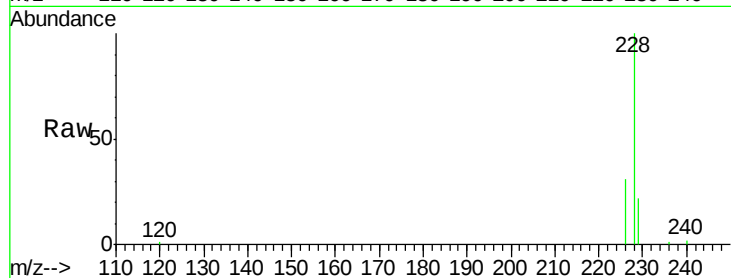
Tgt Ion:228 Resp: 121536

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

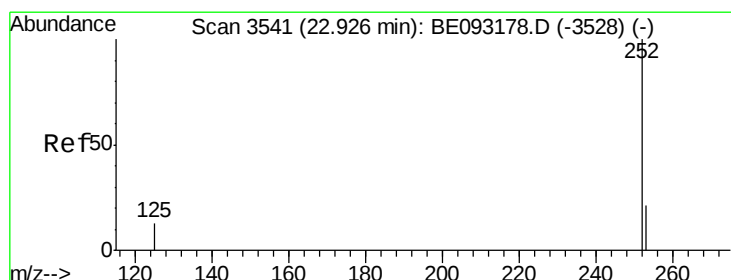
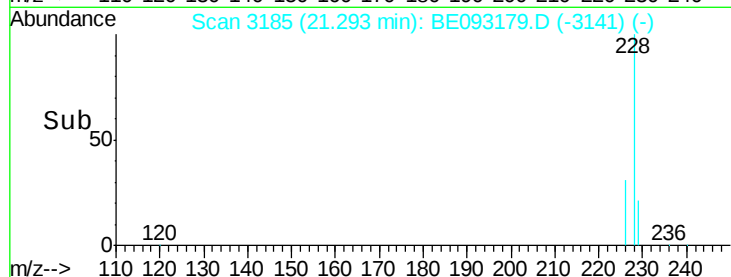
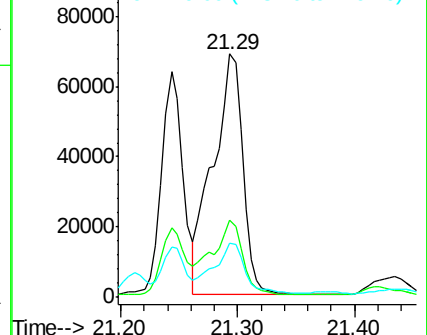
229 22.2 17.7 26.5



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: 3.87 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

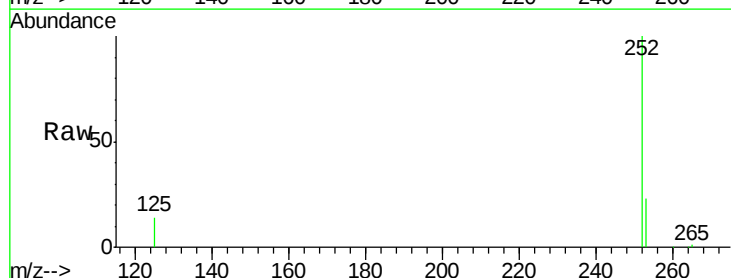
Tgt Ion:252 Resp: 403746

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

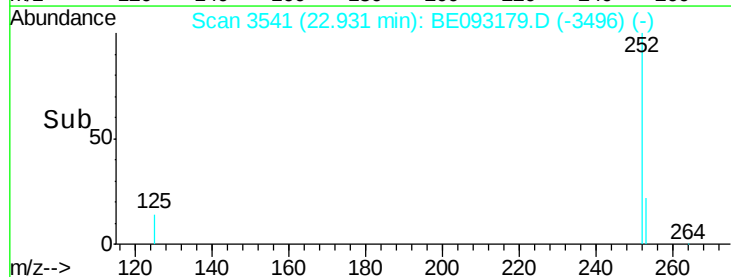
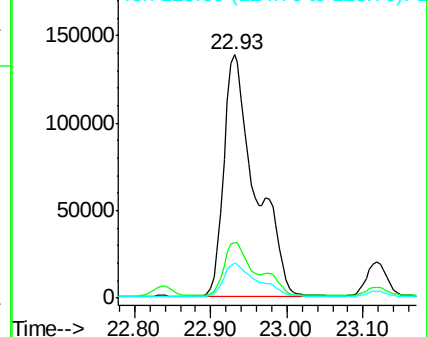
125 14.3 0.0 35.0

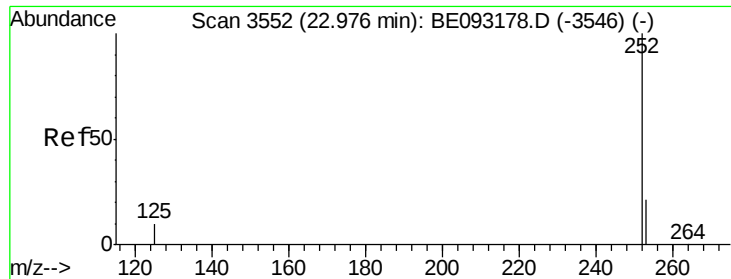


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.33 ng/ul

RT: 23.12 min Scan# 3582

Delta R.T. 0.14 min

Lab File: BE093179.D

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Instrument :

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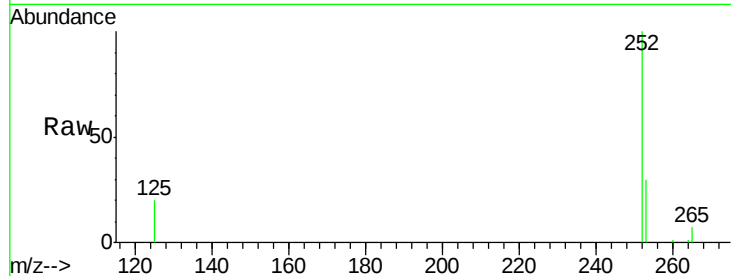
Tgt Ion:252 Resp: 36299

Ion Ratio Lower Upper

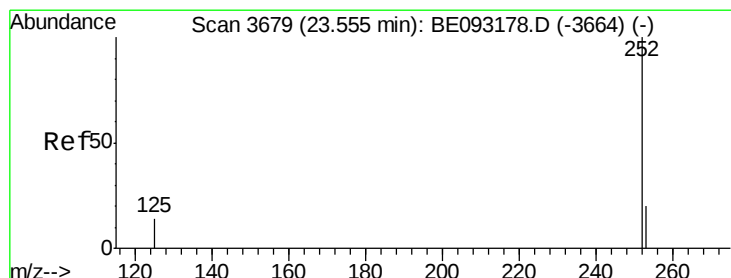
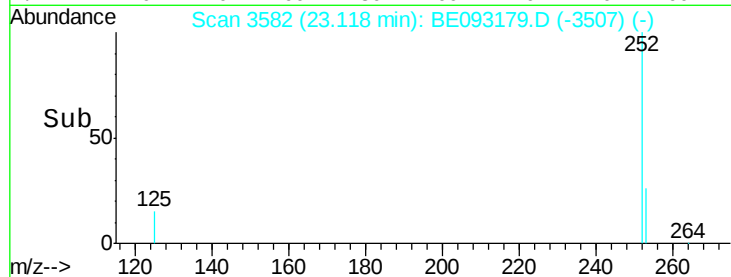
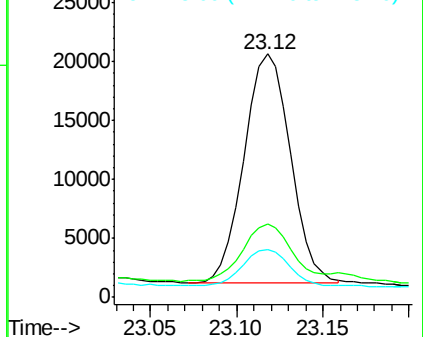
252 100

253 30.4 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: 1.59 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

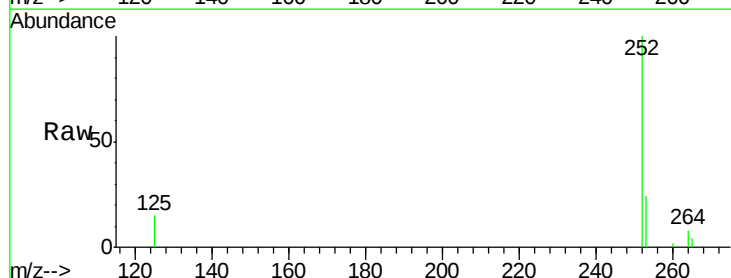
Tgt Ion:252 Resp: 156522

Ion Ratio Lower Upper

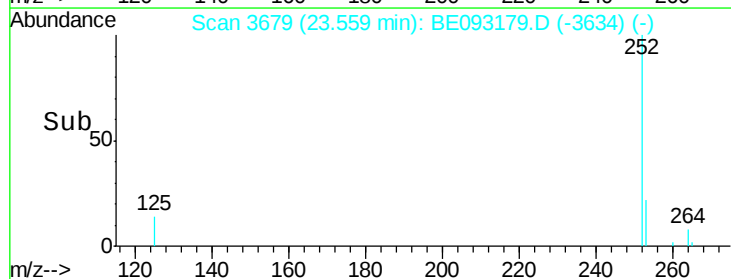
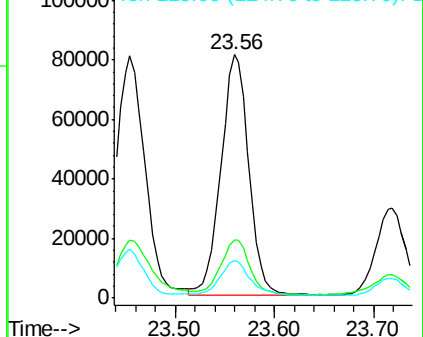
252 100

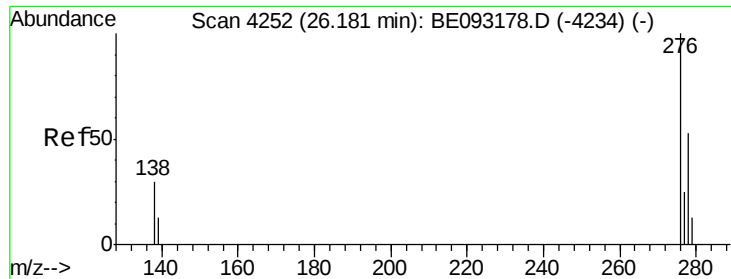
253 23.7 28.5 42.7#

125 15.3 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

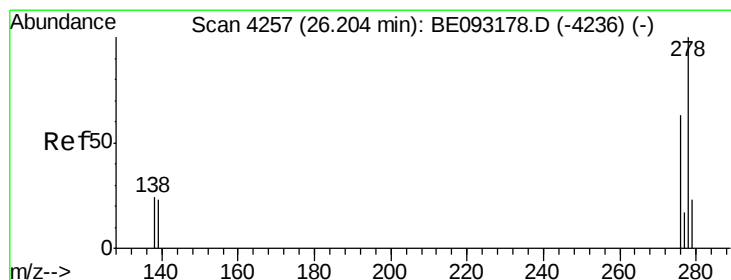
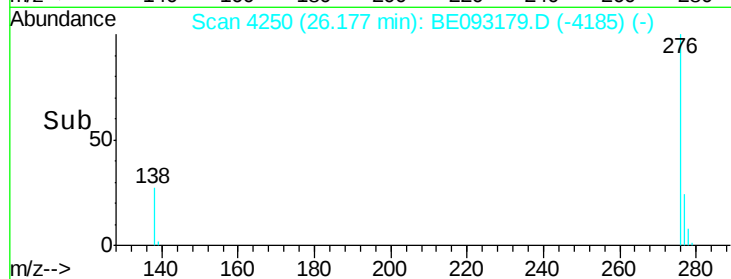
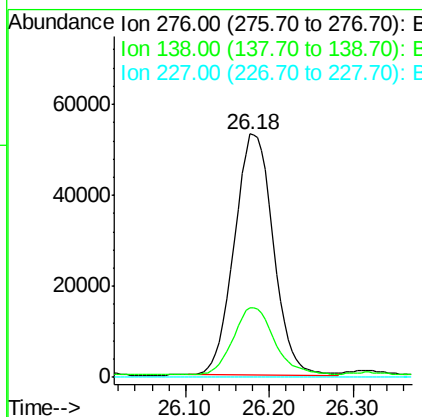
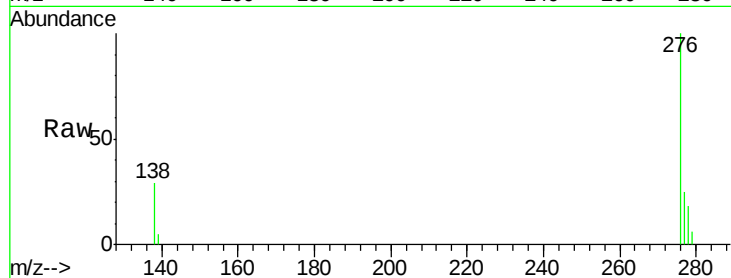




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.49 ng/ul
 RT: 26.18 min Scan# 4250
 Delta R.T. -0.00 min
 Lab File: BE093179.D
 Acq: 14 Jun 2017 21:00

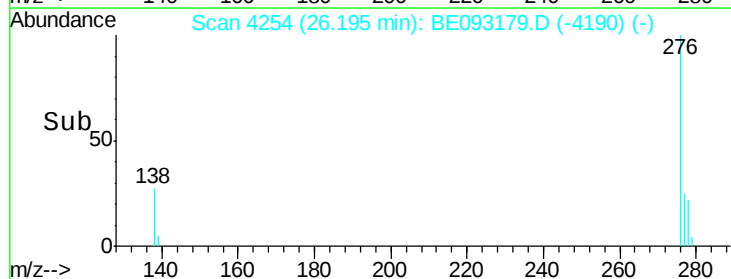
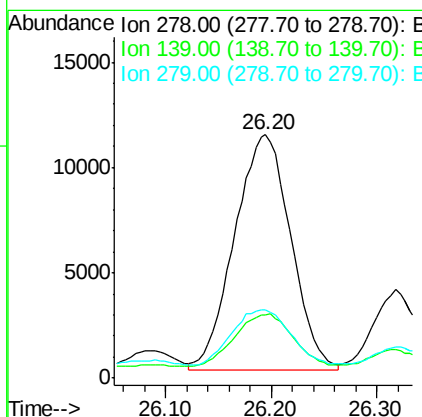
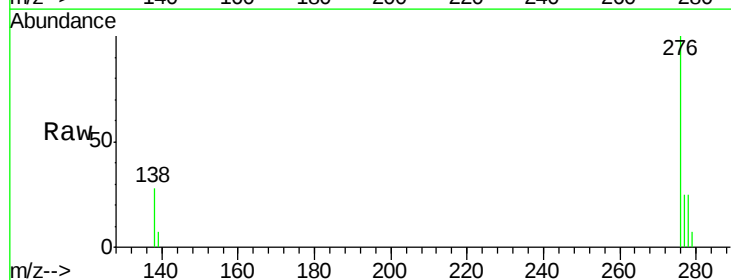
Instrument :
 BNA_E
 ClientSampleId :
 F5C61

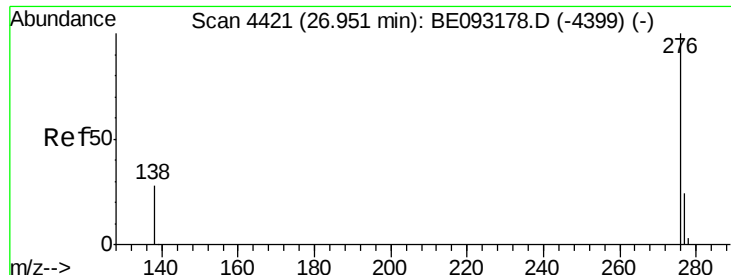
Tgt Ion:276 Resp: 170397
 Ion Ratio Lower Upper
 276 100
 138 29.3 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.43 ng/ul
 RT: 26.20 min Scan# 4254
 Delta R.T. -0.01 min
 Lab File: BE093179.D
 Acq: 14 Jun 2017 21:00

Tgt Ion:278 Resp: 41468
 Ion Ratio Lower Upper
 278 100
 139 26.1 17.4 26.0#
 279 28.0 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 1.57 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.01 min

Lab File: BE093179.D

Acq: 14 Jun 2017 21:00

Instrument :

BNA_E

ClientSampleId :

F5C61

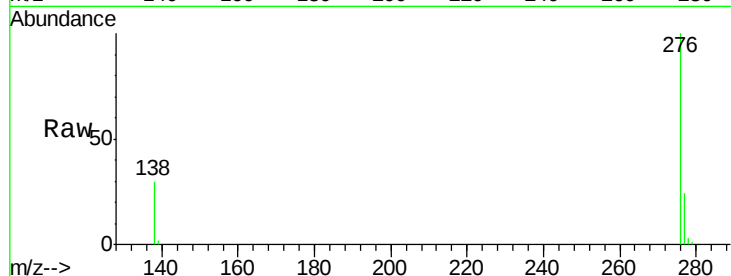
Tgt Ion: 276 Resp: 154344

Ion Ratio Lower Upper

276 100

138 29.6 21.8 32.8

277 24.4 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

