

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093218.D
 Acq On : 15 Jun 2017 21:07
 Operator : SJ/MA
 Sample : I3521-01DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:44:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 04:43:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2695	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13612	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19651	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21359	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	19464	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1079	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2948	0.06	ng/ul	0.00

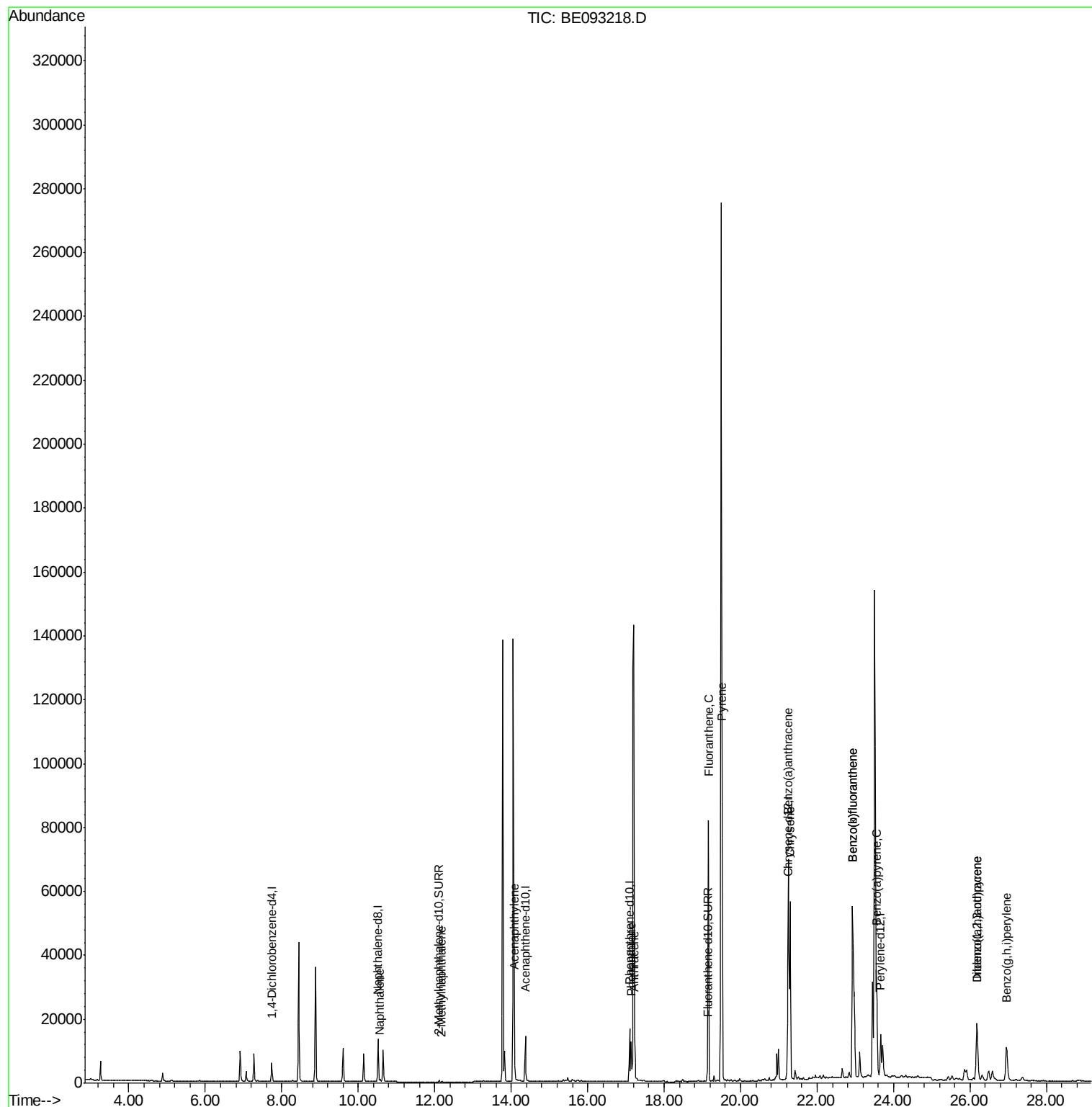
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	975	0.03	ng/ul#	84
5) 2-Methylnaphthalene	12.19	142	248	0.01	ng/ul	92
7) Acenaphthylene	14.09	152	6107	0.18	ng/ul	98
12) Phenanthrene	17.14	178	13385	0.25	ng/ul#	86
13) Anthracene	17.22	178	9862	0.21	ng/ul#	88
15) Fluoranthene	19.16	202	88580	1.34	ng/ul	83
17) Pyrene	19.52	202	100100	1.59	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	53963	0.95	ng/ul#	85
19) Chrysene	21.30	228	62867	1.06	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	127123	2.15	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	127123	2.03	ng/ul#	88
23) Benzo(a)pyrene	23.55	252	45765	0.82	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	30036	0.46	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	8214	0.15	ng/ul#	86
26) Benzo(g,h,i)perylene	26.96	276	23850	0.43	ng/ul	97

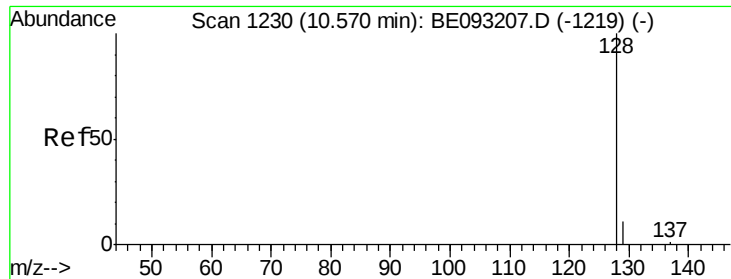
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

Instrument :

BNA_E

ClientSampleId :

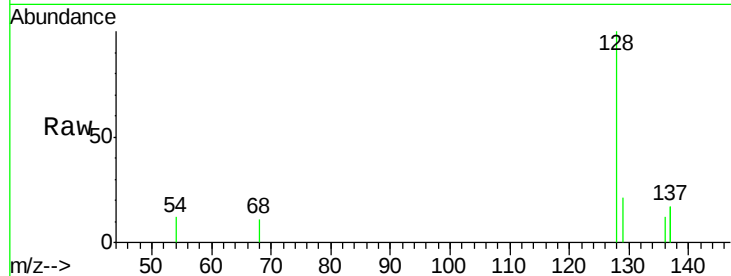
Tot Ion:128 Resp: 975

Ion Ratio Lower Upper

128 100

129 20.8 11.3 16.9#

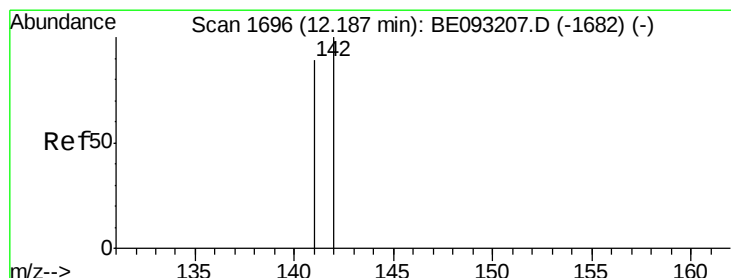
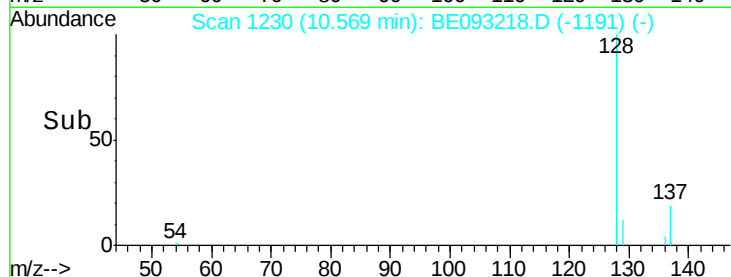
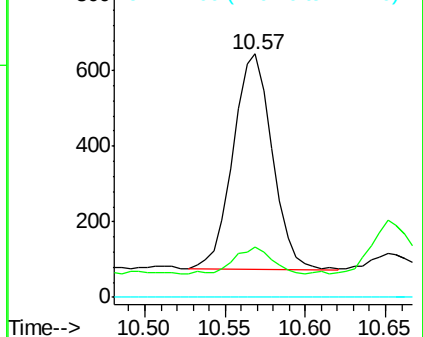
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093218.D

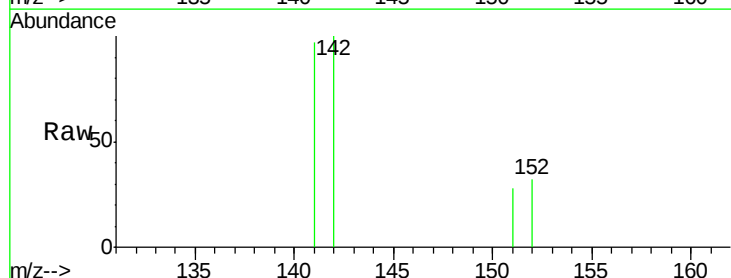
Acq: 15 Jun 2017 21:07

Tgt Ion:142 Resp: 248

Ion Ratio Lower Upper

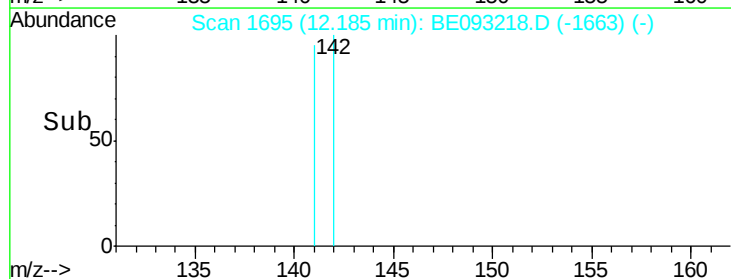
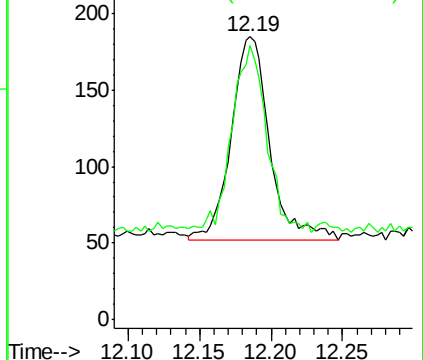
142 100

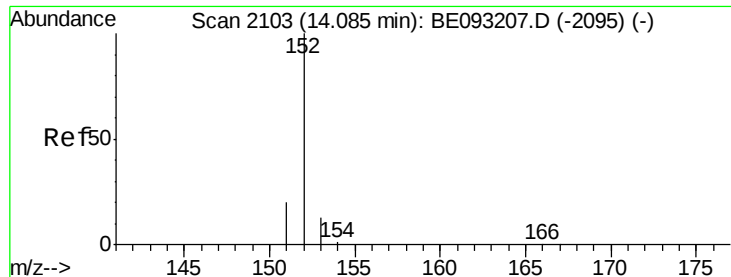
141 83.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

Instrument :

BNA_E

ClientSampleId :

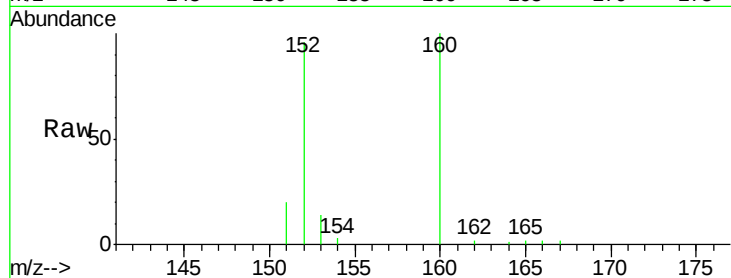
Tot Ion:152 Resp: 6107

Ion Ratio Lower Upper

152 100

151 21.0 17.1 25.7

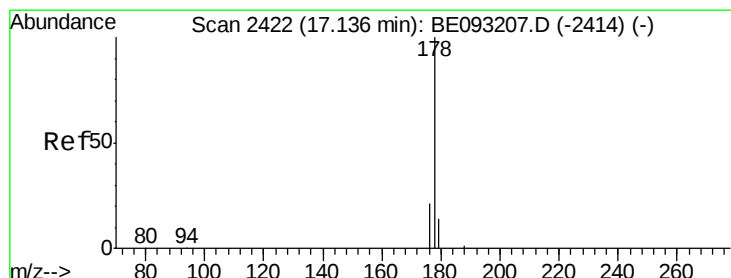
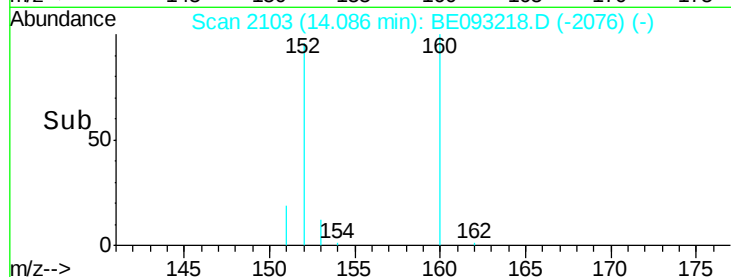
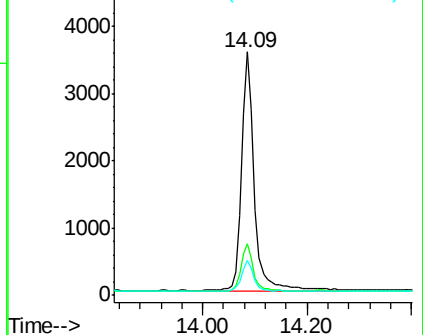
153 14.2 12.8 19.2



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



#12

Phenanthrene

Concen: 0.25 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

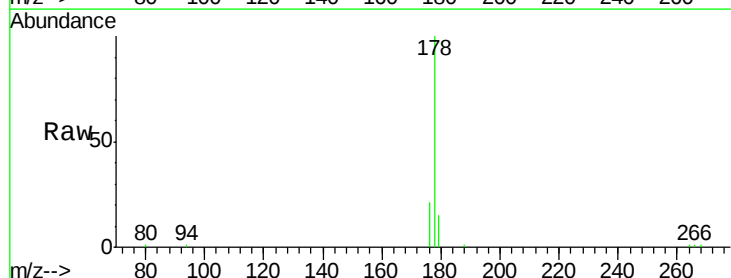
Tgt Ion:178 Resp: 13385

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

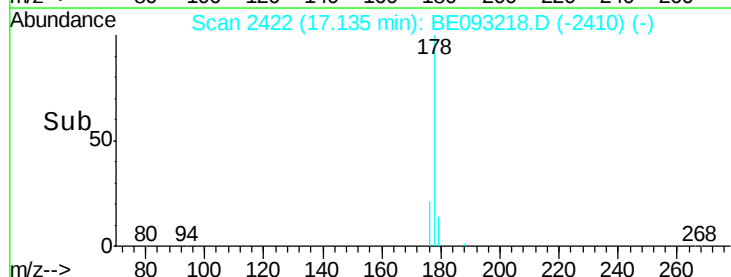
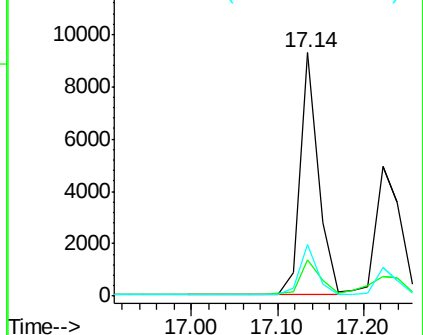
176 21.0 13.6 20.4#

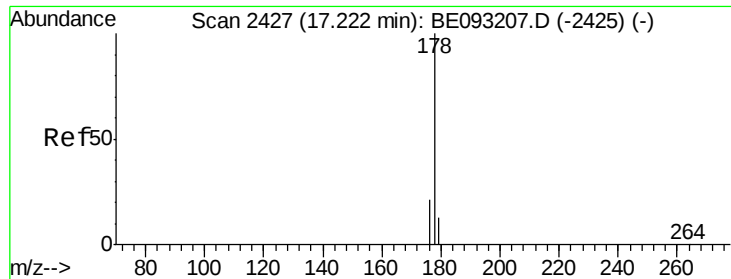


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

Instrument :

BNA_E

ClientSampleId :

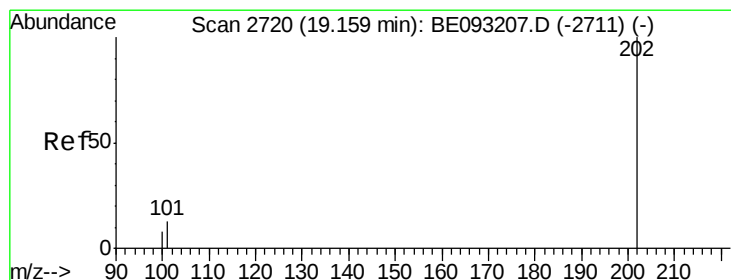
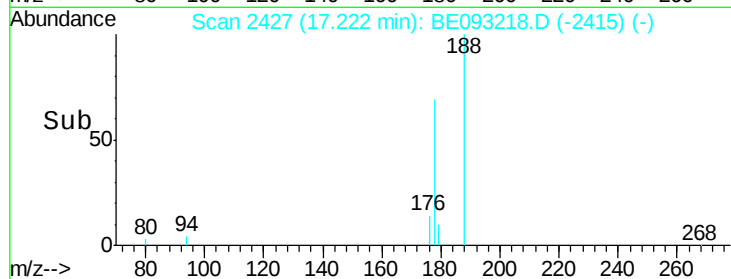
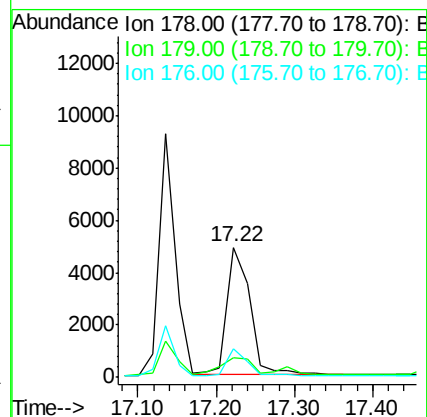
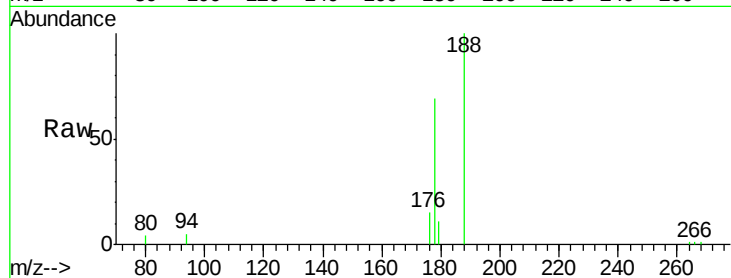
Tot Ion:178 Resp: 9862

Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

176 21.9 14.7 22.1



#15

Fluoranthene

Concen: 1.34 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

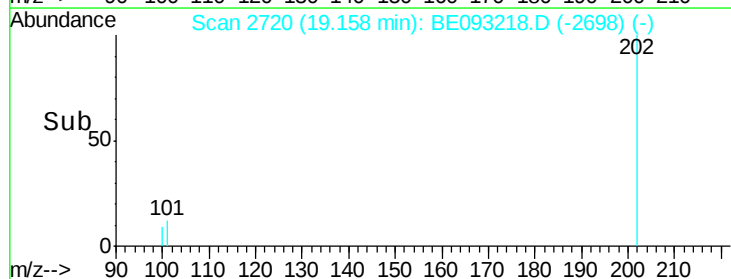
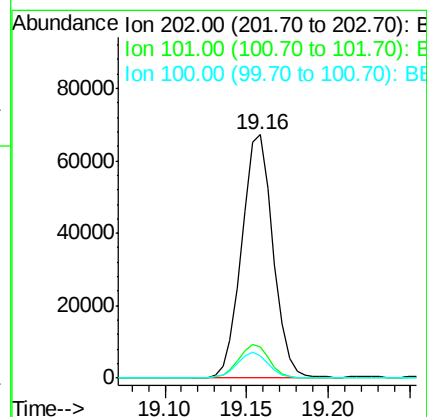
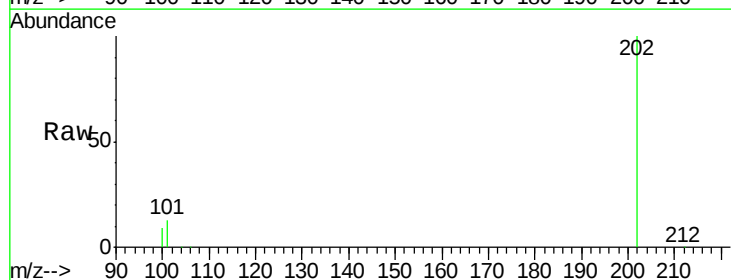
Tgt Ion:202 Resp: 88580

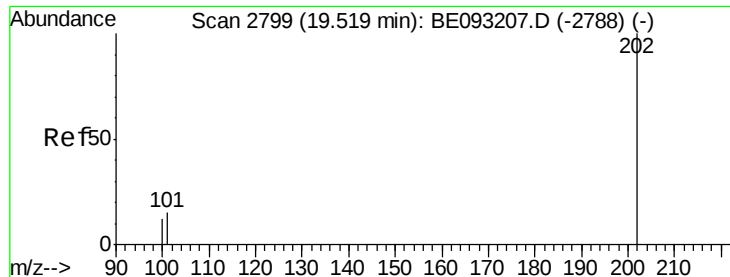
Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.3

100 9.1 0.0 39.5

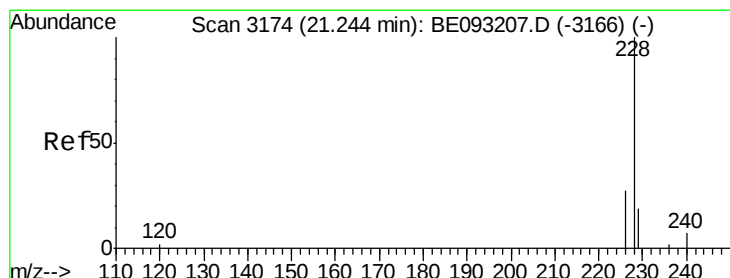
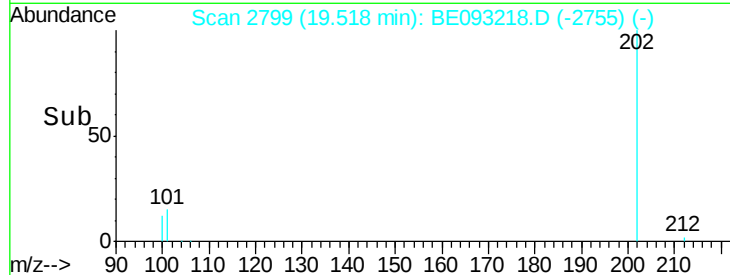
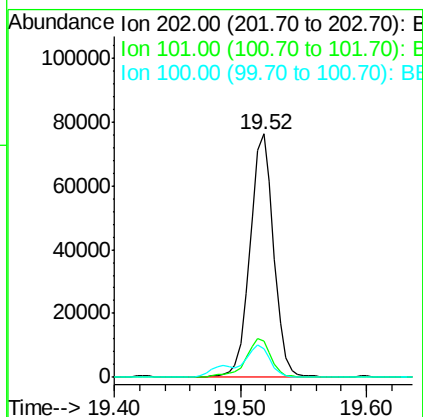
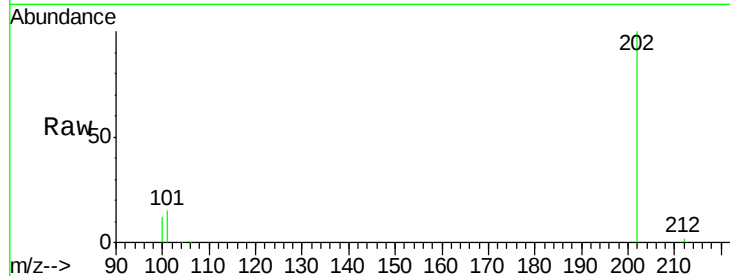




#17
Pvrene
Concen: 1.59 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

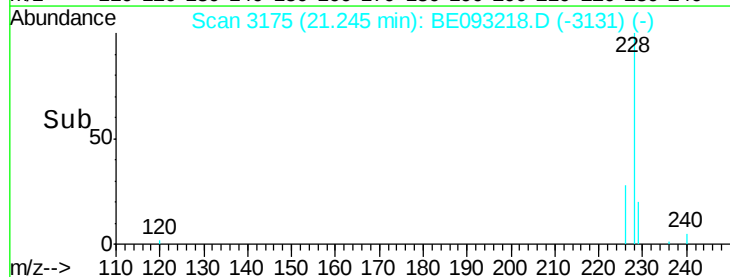
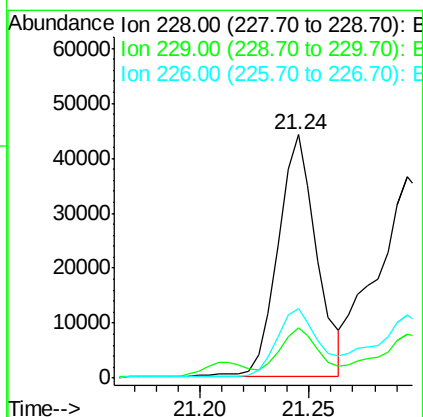
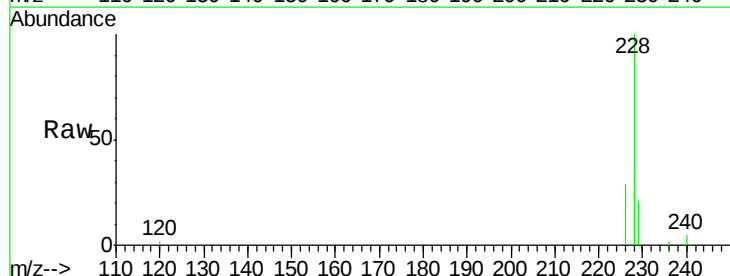
Instrument :
BNA_E
ClientSampleId :

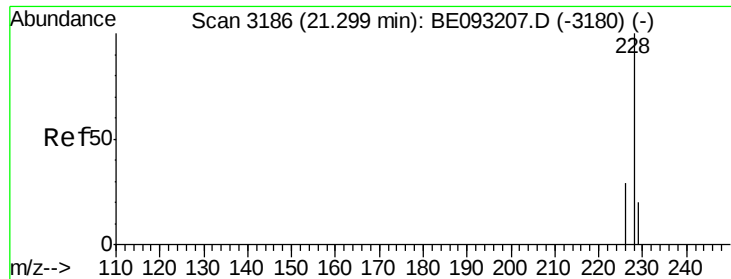
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	18.2	27.4#
100	11.7	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 0.95 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	22.8	34.2#
226	28.6	17.0	25.6#





#19

Chrysene

Concen: 1.06 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

Instrument :

BNA_E

ClientSampled :

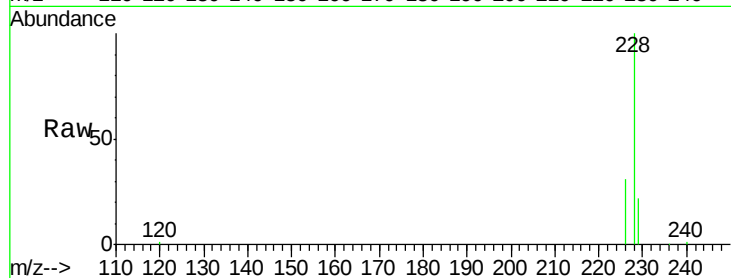
Tot Ion:228 Resp: 62867

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

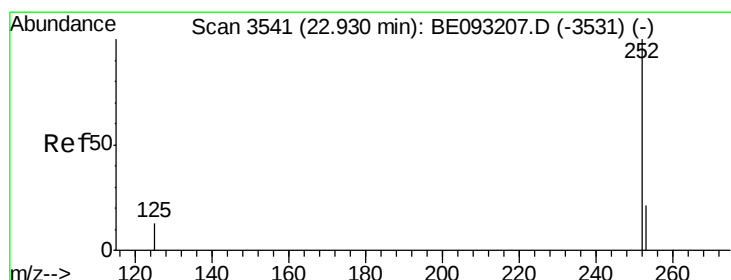
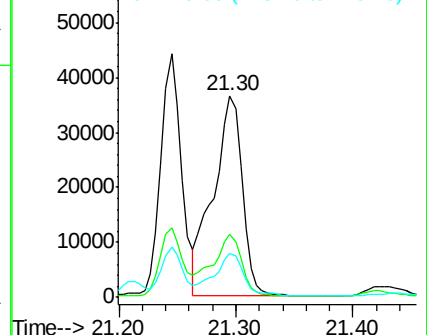
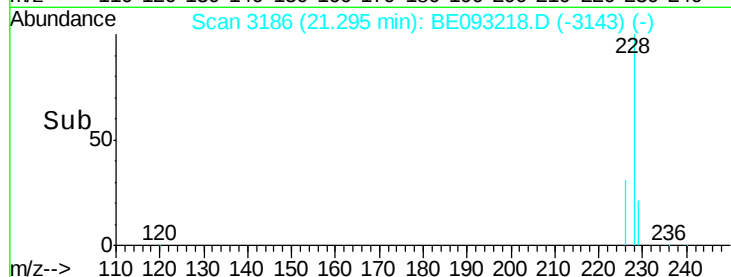
229 21.7 17.7 26.5



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: 2.15 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

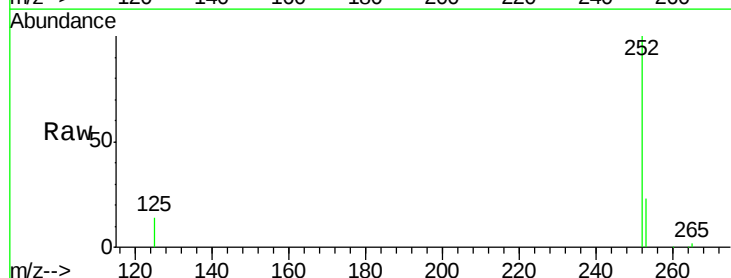
Tgt Ion:252 Resp: 127123

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

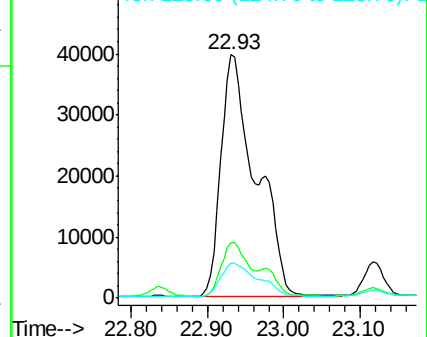
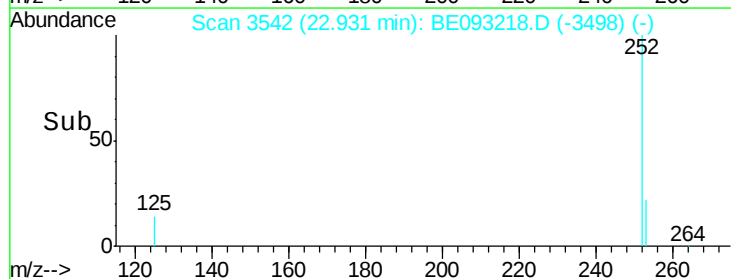
125 14.4 0.0 35.0

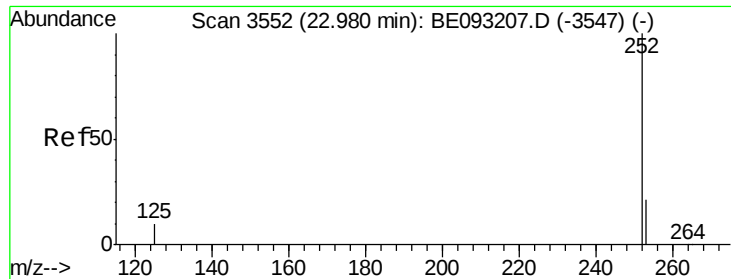


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.03 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

Instrument :

BNA_E

ClientSampleId :

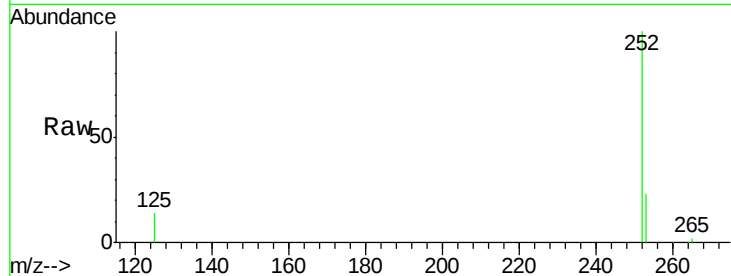
Tot Ion:252 Resp: 127123

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

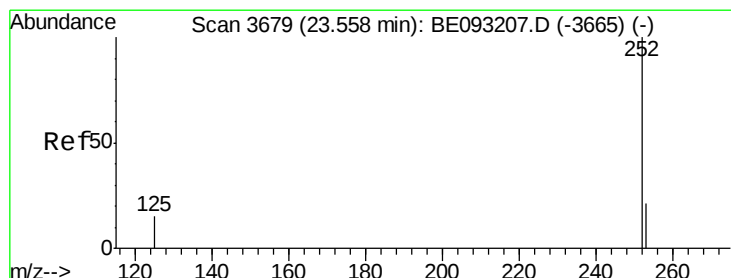
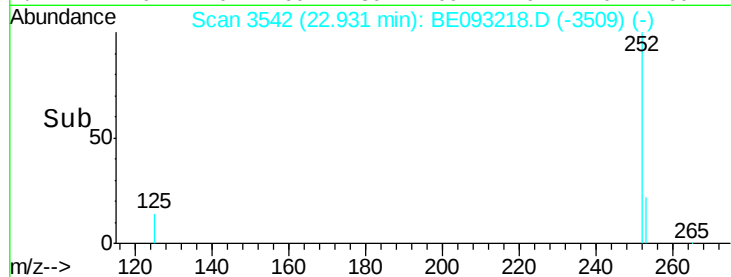
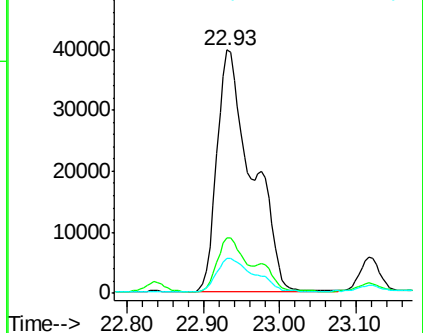
125 14.4 13.7 20.5



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: 0.82 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093218.D

Acq: 15 Jun 2017 21:07

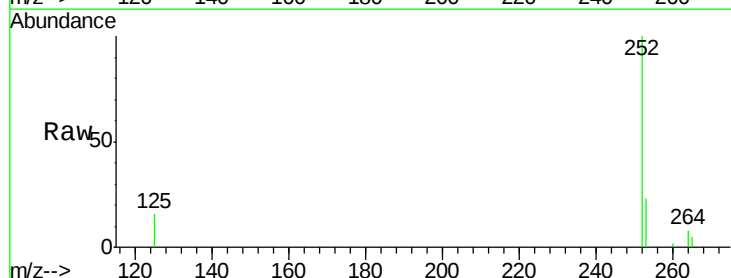
Tgt Ion:252 Resp: 45765

Ion Ratio Lower Upper

252 100

253 22.9 28.5 42.7#

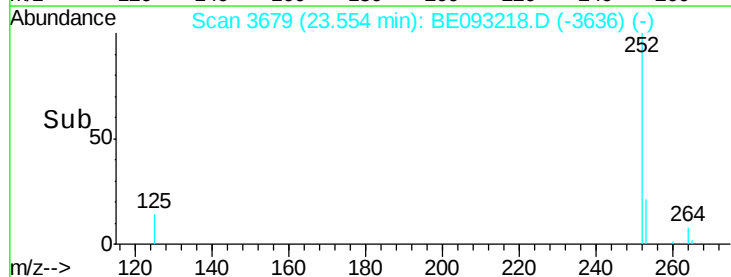
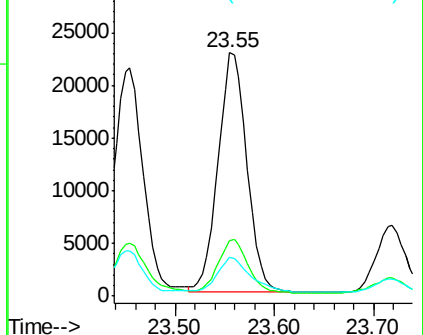
125 16.0 18.1 27.1#

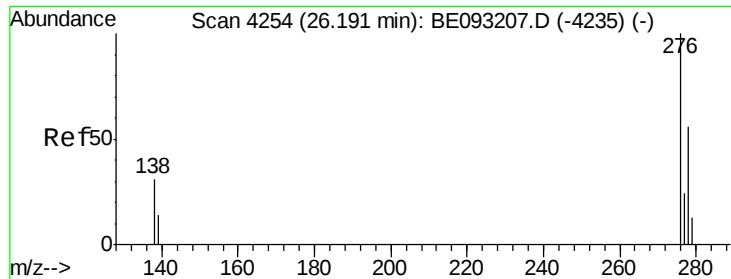


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

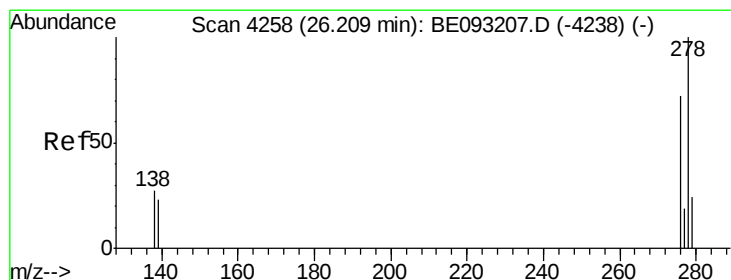
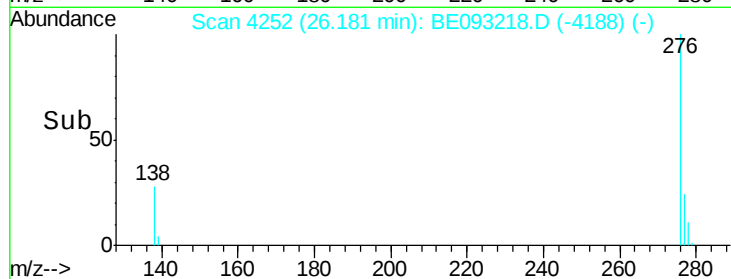
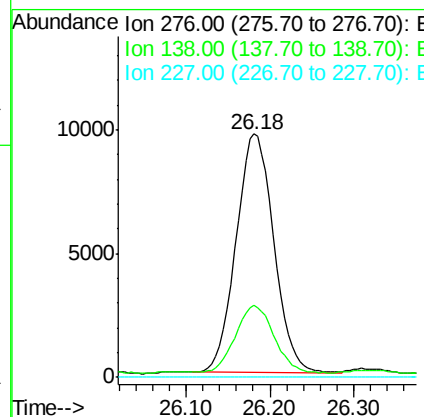
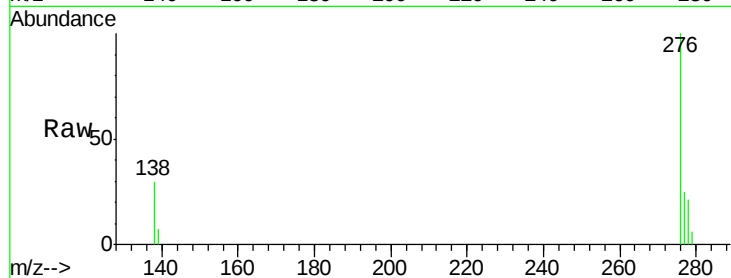




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.46 ng/ul
 RT: 26.18 min Scan# 4252
 Delta R.T. -0.01 min
 Lab File: BE093218.D
 Acq: 15 Jun 2017 21:07

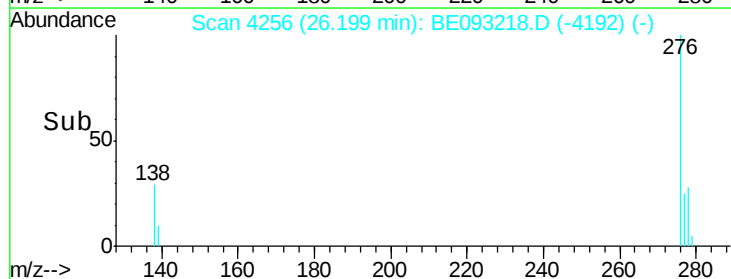
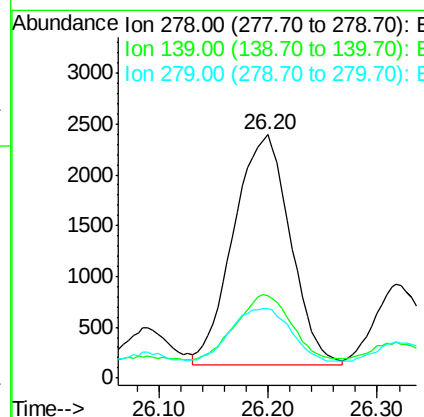
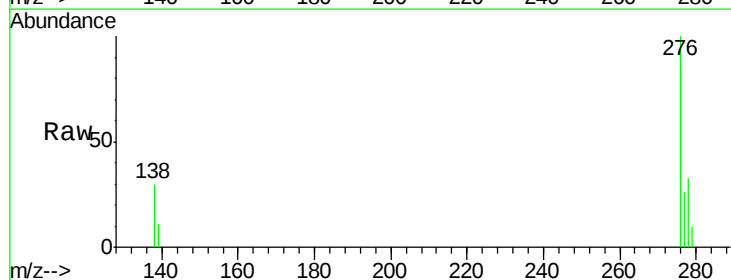
Instrument :
 BNA_E
 ClientSampleId :

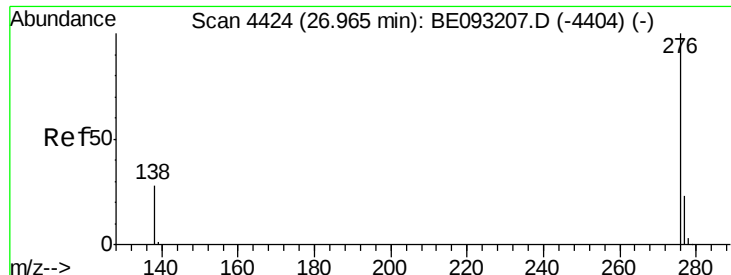
Tot Ion:276 Resp: 30036
 Ion Ratio Lower Upper
 276 100
 138 29.3 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.15 ng/ul
 RT: 26.20 min Scan# 4256
 Delta R.T. -0.01 min
 Lab File: BE093218.D
 Acq: 15 Jun 2017 21:07

Tgt Ion:278 Resp: 8214
 Ion Ratio Lower Upper
 278 100
 139 33.8 17.4 26.0#
 279 28.7 25.9 38.9

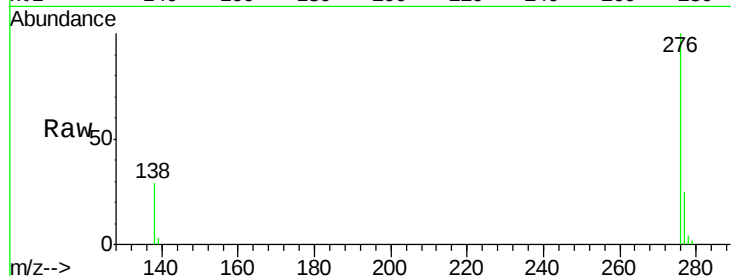




#26
 Benzo(a,h,i)perylene
 Concen: 0.43 ng/ul
 RT: 26.96 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: BE093218.D
 Acq: 15 Jun 2017 21:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.8
277	24.5	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

