

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093219.D
 Acq On : 15 Jun 2017 21:46
 Operator : SJ/MA
 Sample : I3521-17DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:45:08 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	2839	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14853	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9005	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21017	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21295	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	19621	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	1718	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	4304	0.08	ng/ul	0.00

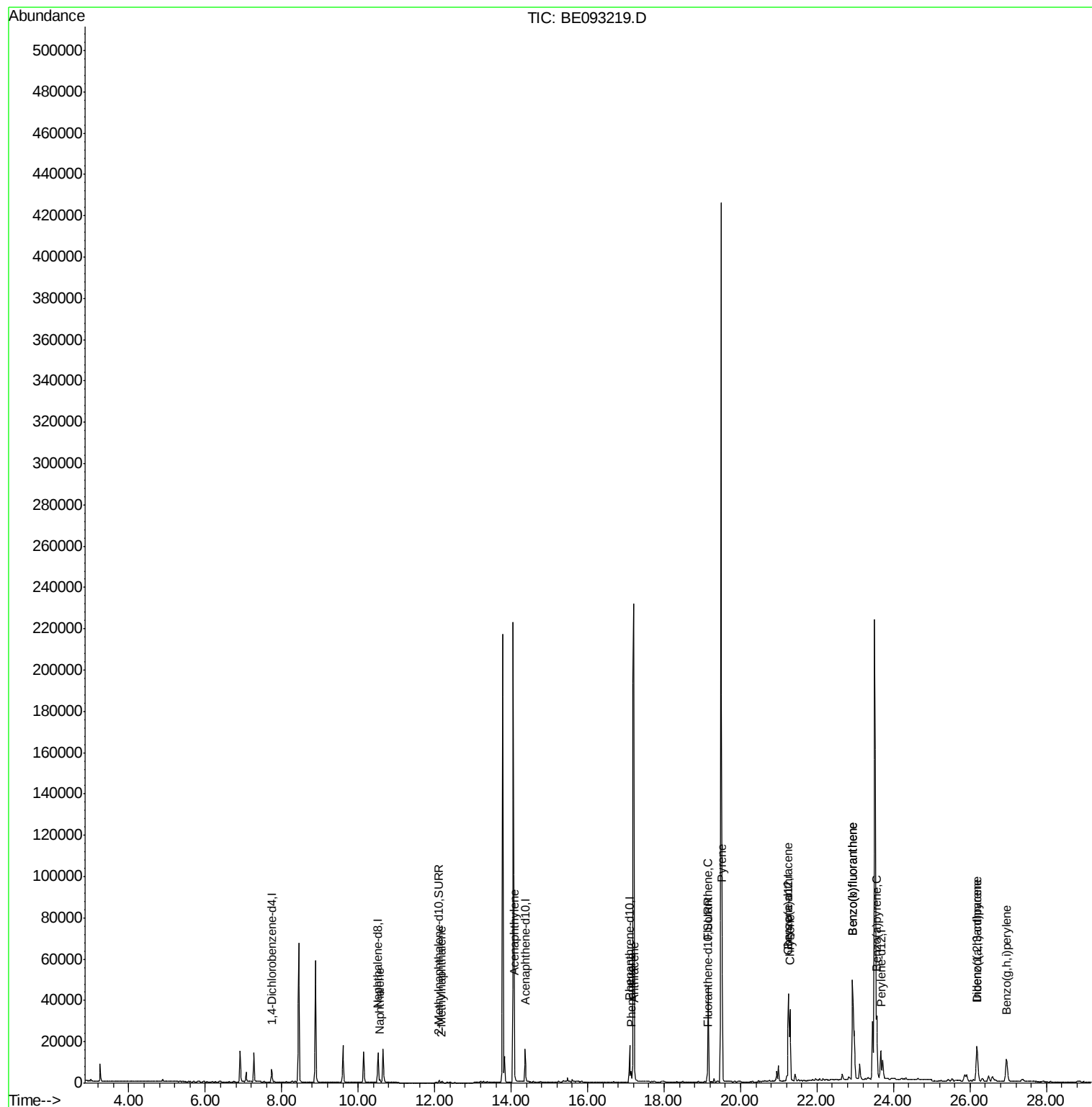
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.57	128	1916	0.05	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	504	0.02	ng/ul	97
7) Acenaphthylene	14.09	152	7455	0.19	ng/ul	98
12) Phenanthrene	17.13	178	5600	0.10	ng/ul#	87
13) Anthracene	17.22	178	8157	0.16	ng/ul#	88
15) Fluoranthene	19.16	202	50331	0.71	ng/ul	83
17) Pyrene	19.52	202	70388	1.12	ng/ul#	82
18) Benzo(a)anthracene	21.25	228	33039	0.58	ng/ul#	85
19) Chrysene	21.30	228	40893	0.69	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	109799	1.84	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	109799	1.74	ng/ul#	89
23) Benzo(a)pyrene	23.56	252	41885	0.74	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	29743	0.46	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	7181	0.13	ng/ul#	86
26) Benzo(g,h,i)perylene	26.96	276	24617	0.44	ng/ul	97

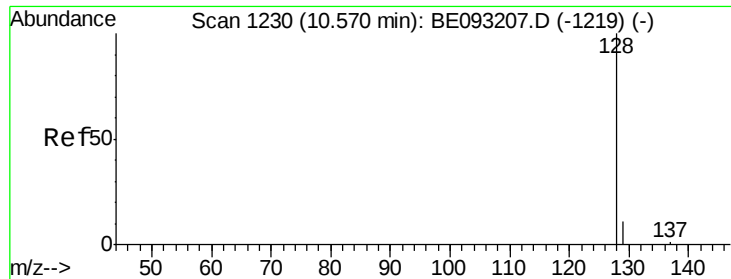
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :

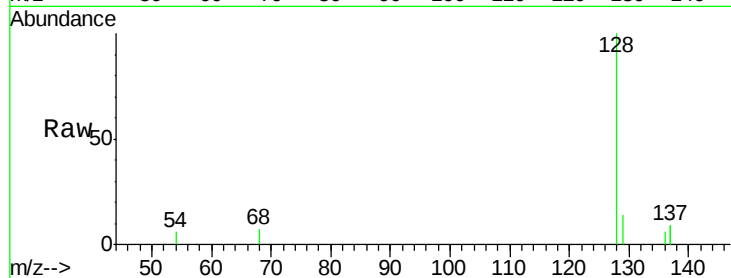
Tot Ion:128 Resp: 1916

Ion Ratio Lower Upper

128 100

129 14.4 11.3 16.9

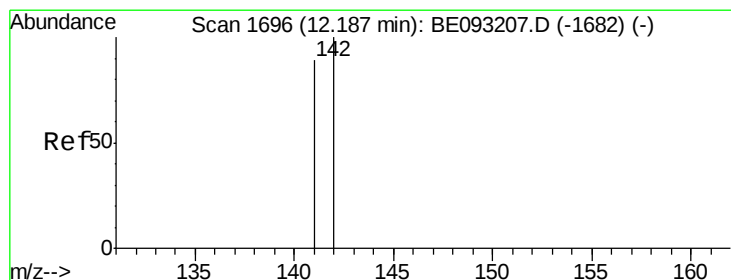
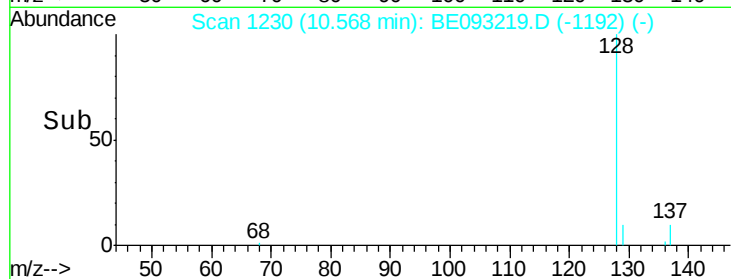
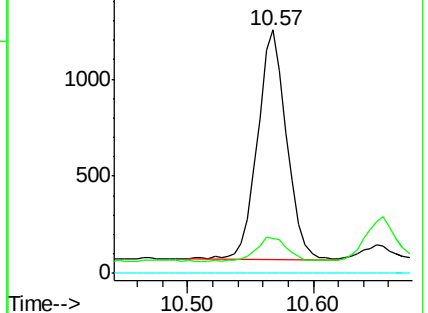
127 0.0 4.0 6.0#



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: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093219.D

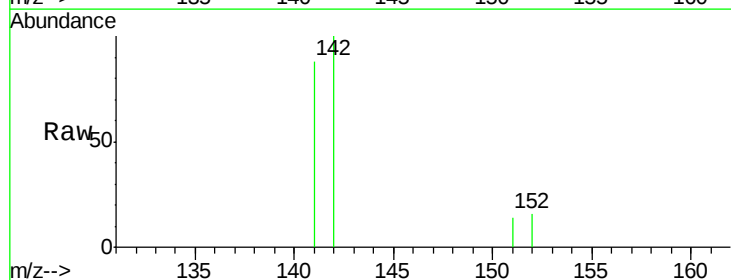
Acq: 15 Jun 2017 21:46

Tgt Ion:142 Resp: 504

Ion Ratio Lower Upper

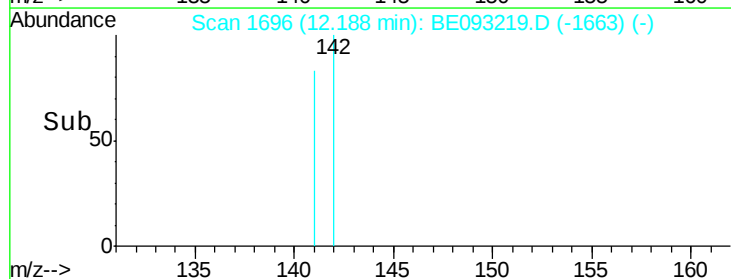
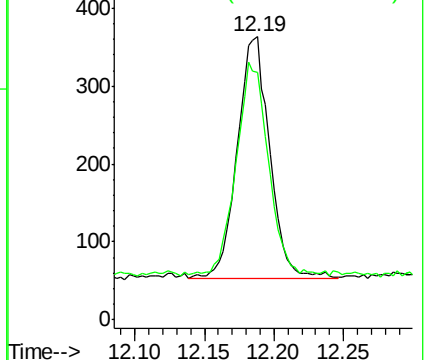
142 100

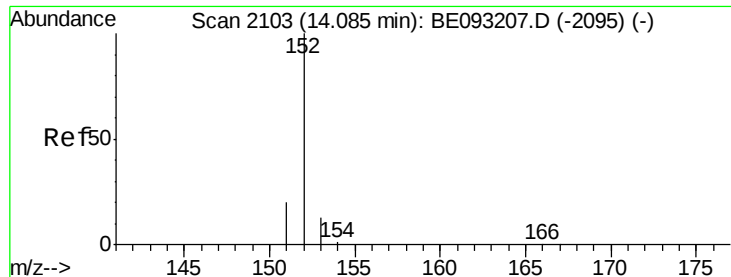
141 87.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :

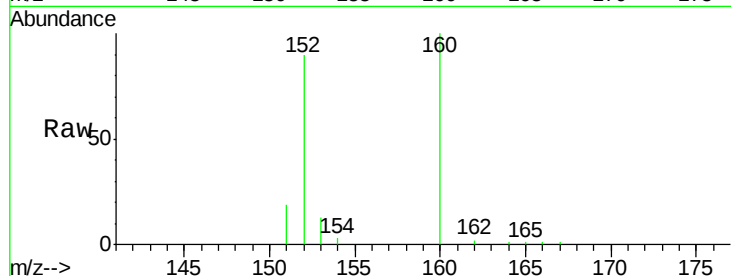
Tot Ion:152 Resp: 7455

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

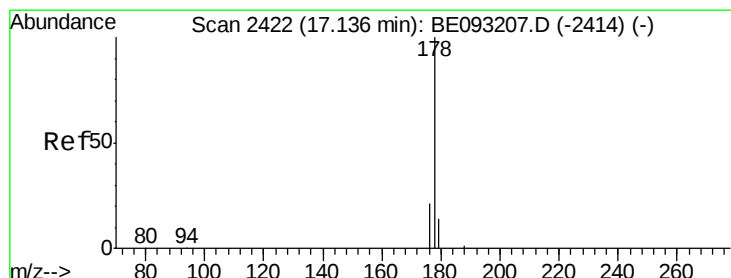
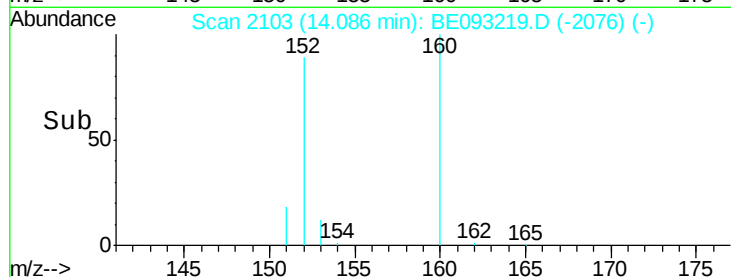
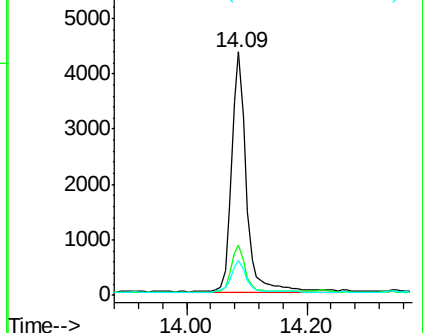
153 14.4 12.8 19.2



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: 0.10 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

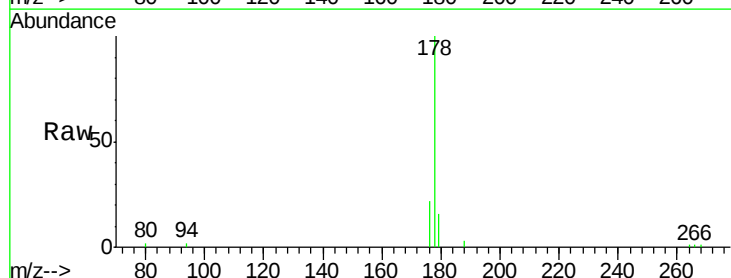
Tgt Ion:178 Resp: 5600

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

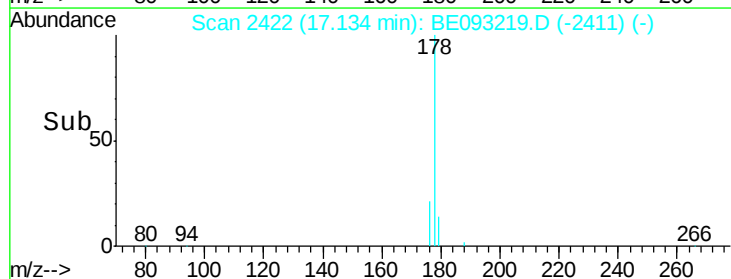
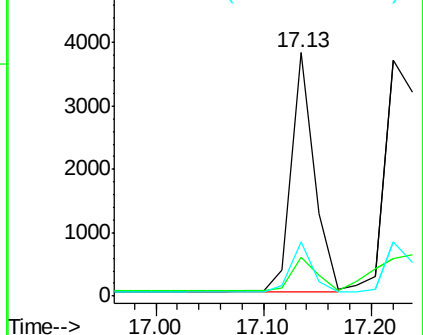
176 22.3 13.6 20.4#

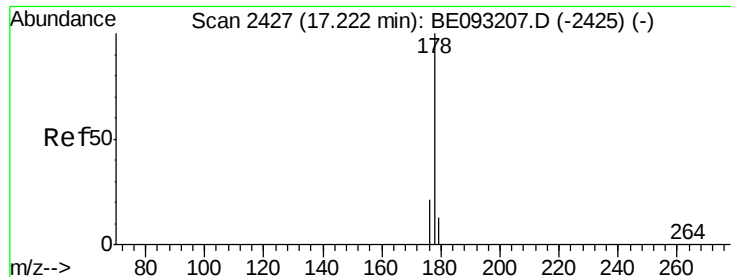


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.16 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :

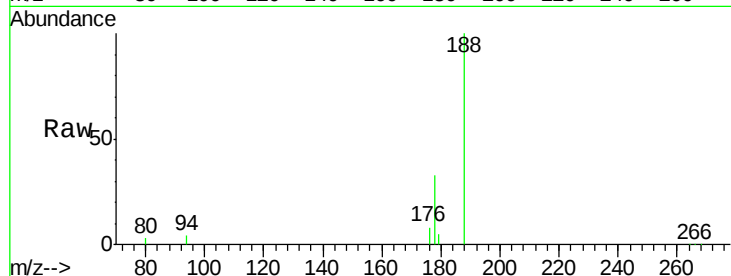
Tot Ion:178 Resp: 8157

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

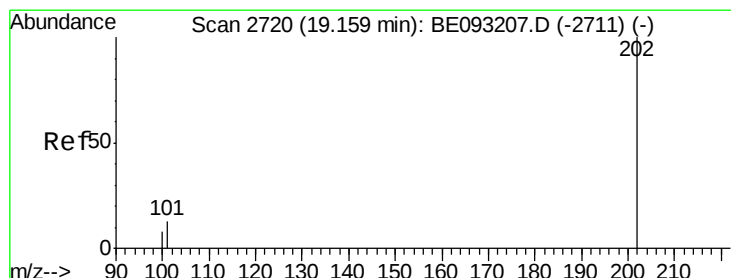
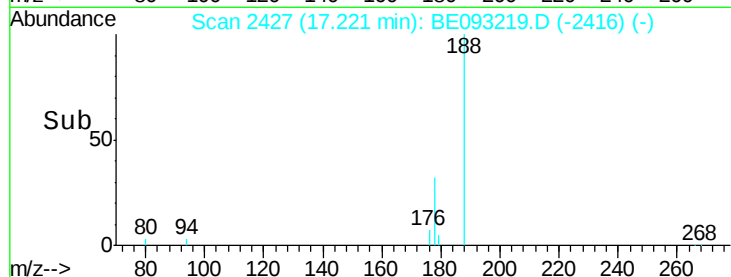
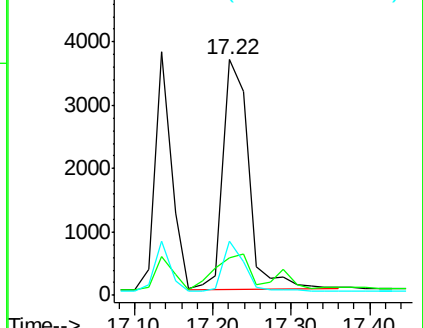
176 22.9 14.7 22.1#



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: 0.71 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

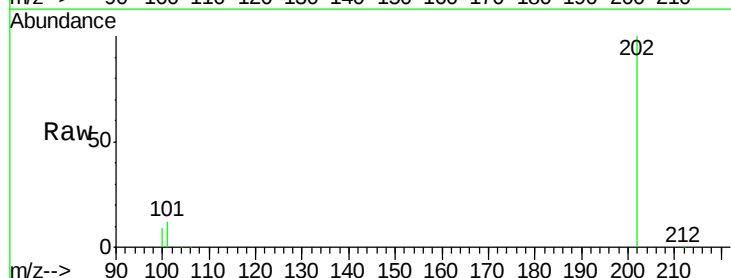
Tgt Ion:202 Resp: 50331

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

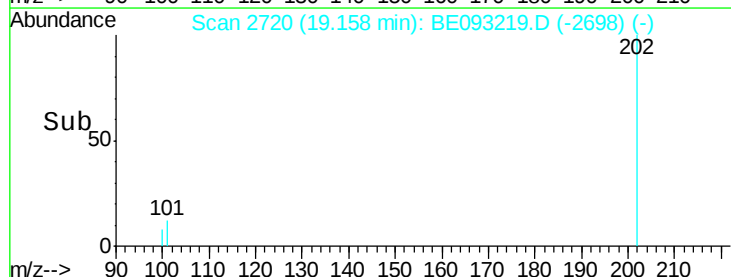
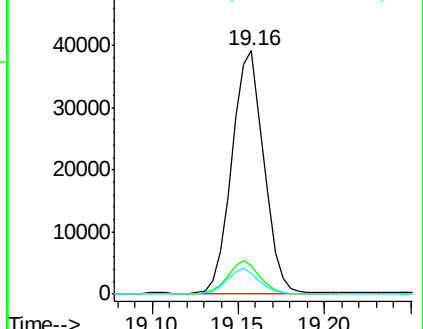
100 8.6 0.0 39.5

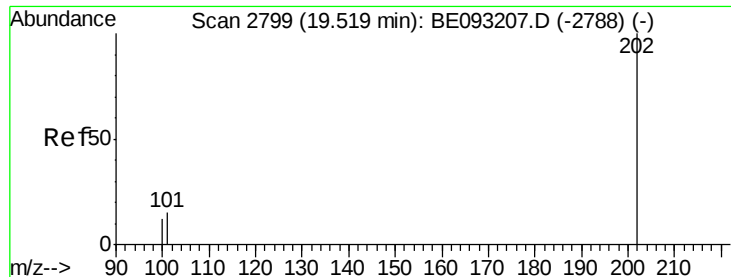


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

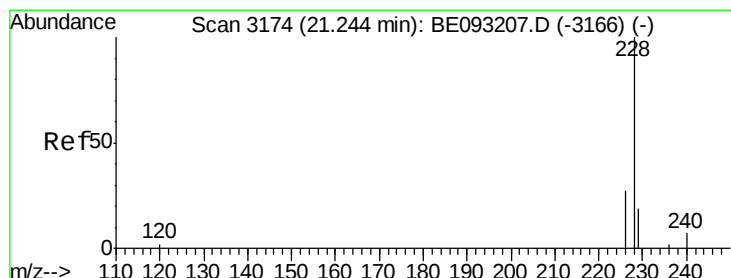
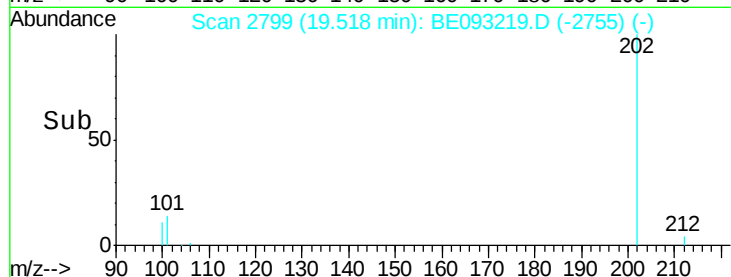
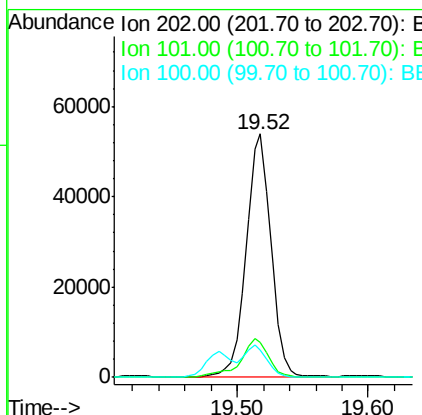
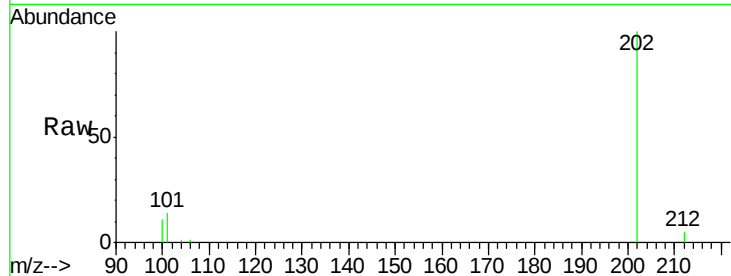




#17
Pvrene
Concen: 1.12 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093219.D
Acq: 15 Jun 2017 21:46

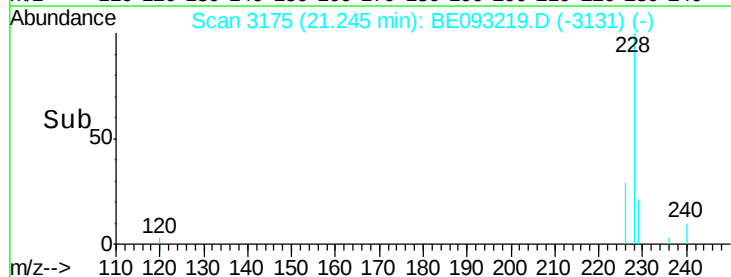
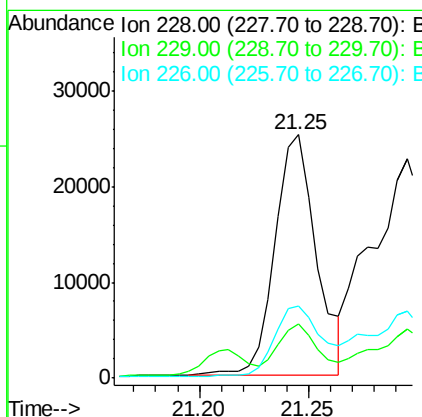
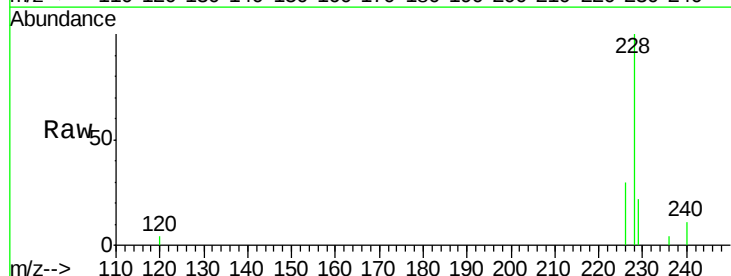
Instrument :
BNA_E
ClientSampleId :

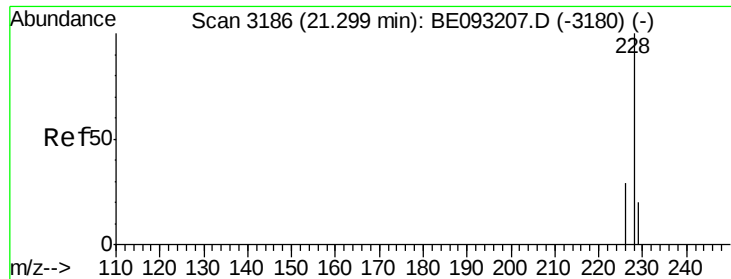
Tot Ion:202 Resp: 70388
Ion Ratio Lower Upper
202 100
101 14.3 18.2 27.4#
100 11.1 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.58 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093219.D
Acq: 15 Jun 2017 21:46

Tgt Ion:228 Resp: 33039
Ion Ratio Lower Upper
228 100
229 22.0 22.8 34.2#
226 29.6 17.0 25.6#





#19

Chrysene

Concen: 0.69 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :

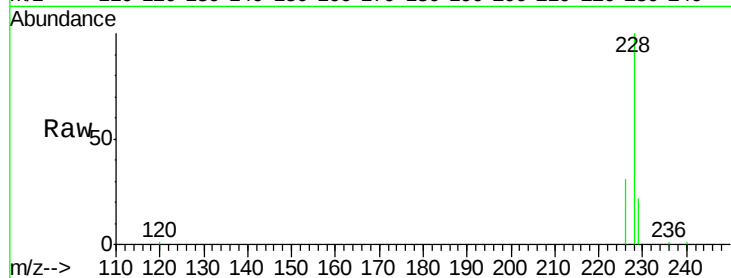
Tot Ion:228 Resp: 40893

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

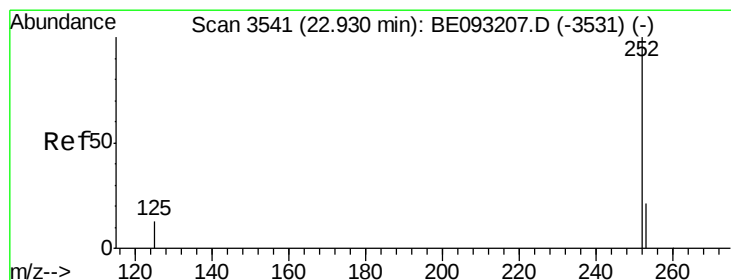
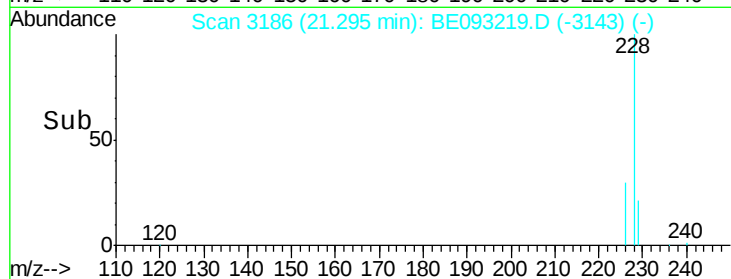
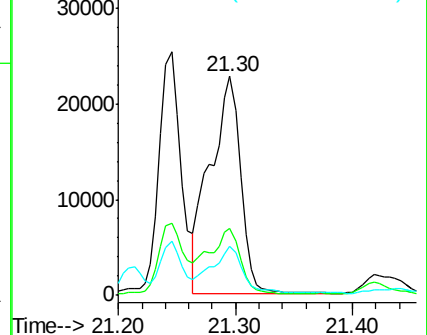
229 22.4 17.7 26.5



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: 1.84 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

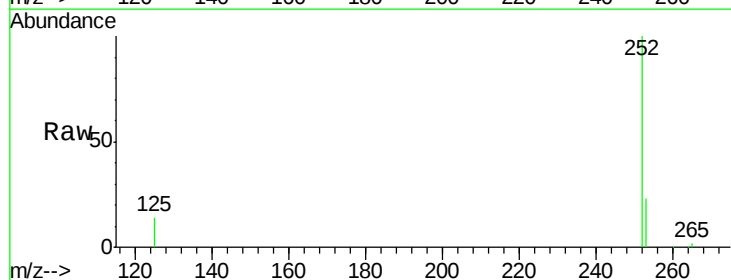
Tgt Ion:252 Resp: 109799

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

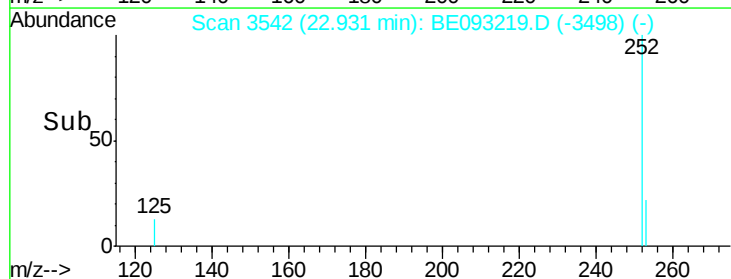
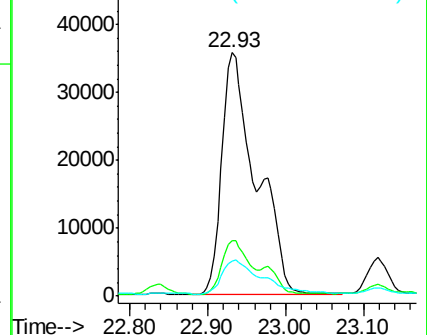
125 14.3 0.0 35.0

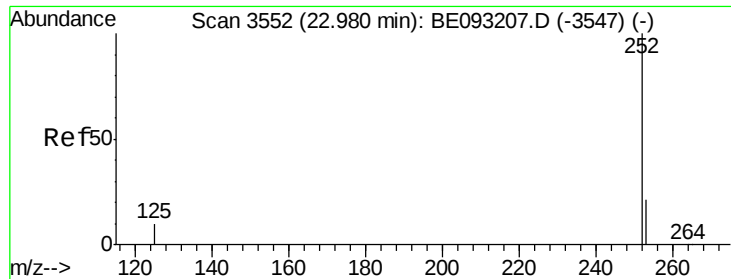


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.74 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093219.D

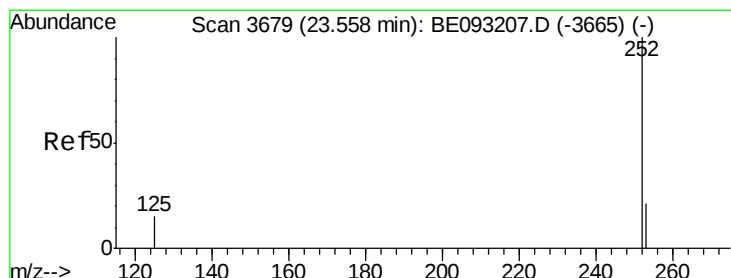
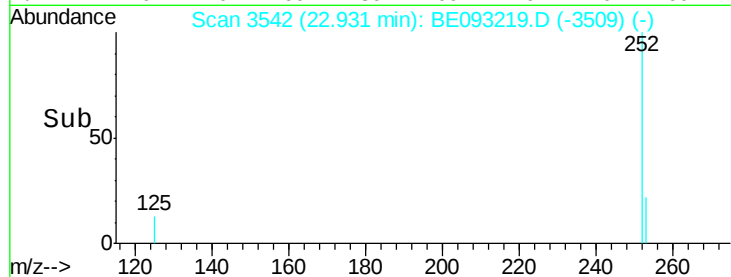
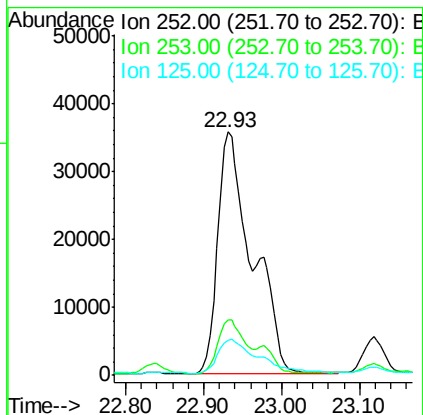
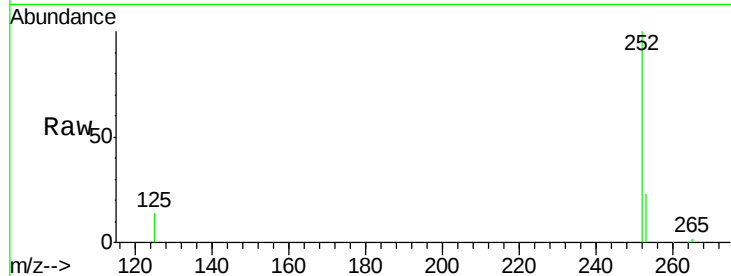
Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:252	Resp:	109799
Ion Ratio	Lower	Upper
252	100	
253	22.9	24.5 36.7#
125	14.3	13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.74 ng/ul

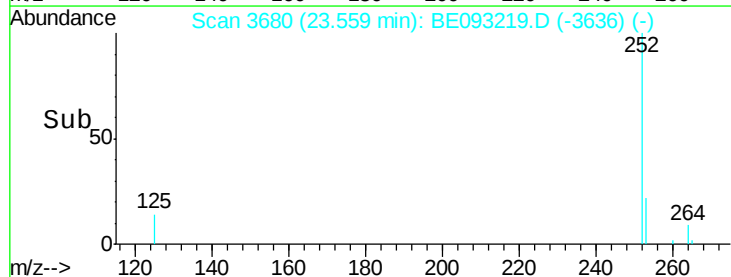
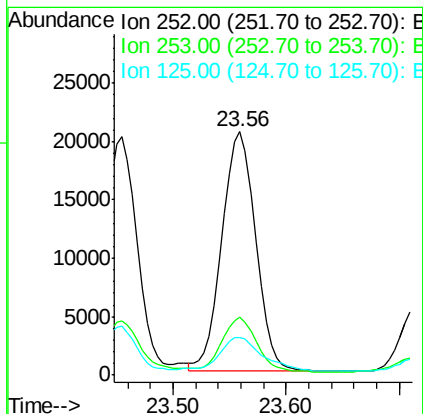
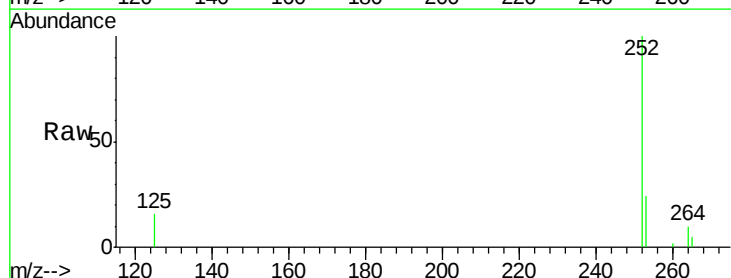
RT: 23.56 min Scan# 3680

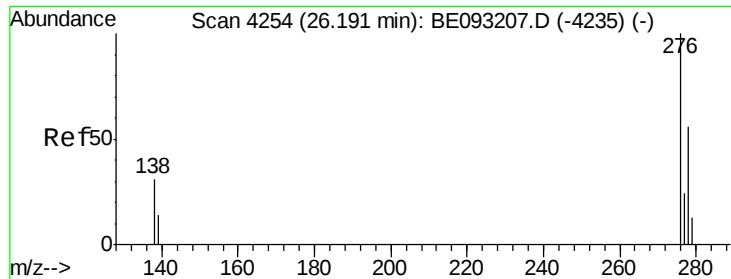
Delta R.T. 0.00 min

Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Tgt Ion:252	Resp:	41885
Ion Ratio	Lower	Upper
252	100	
253	23.7	28.5 42.7#
125	15.6	18.1 27.1#

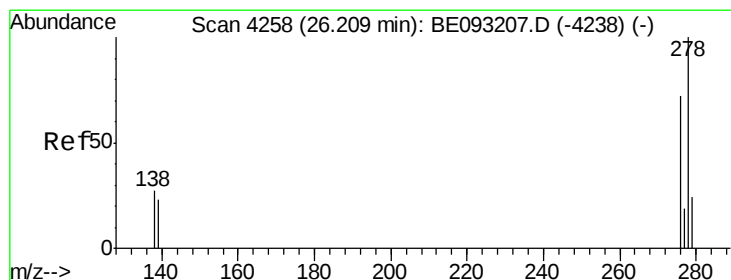
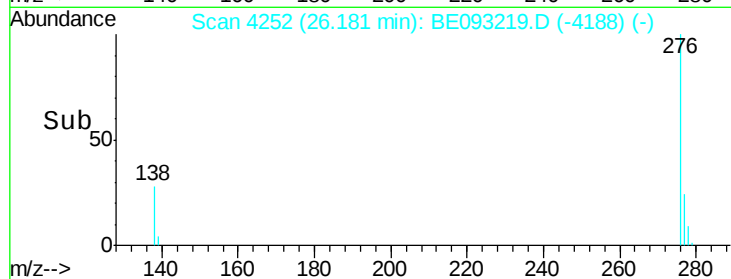
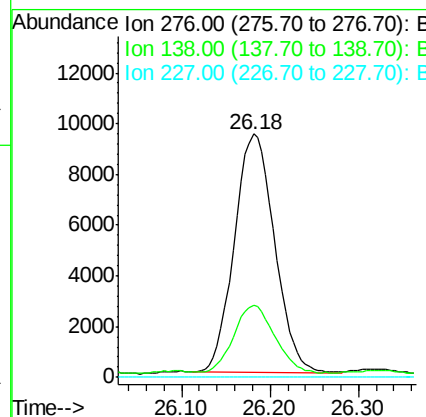
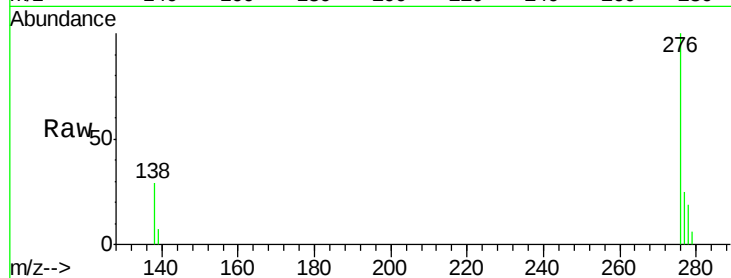




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.46 ng/ul
 RT: 26.18 min Scan# 4252
 Delta R.T. -0.01 min
 Lab File: BE093219.D
 Acq: 15 Jun 2017 21:46

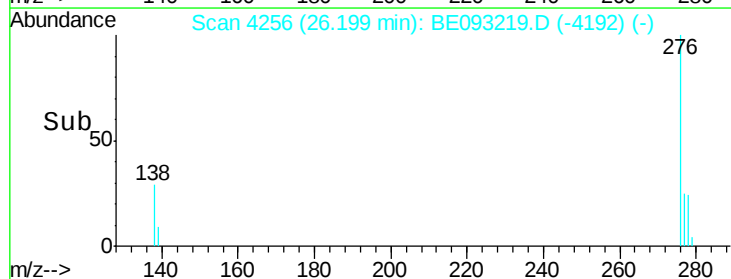
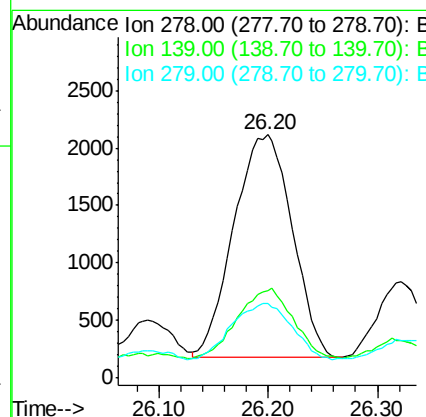
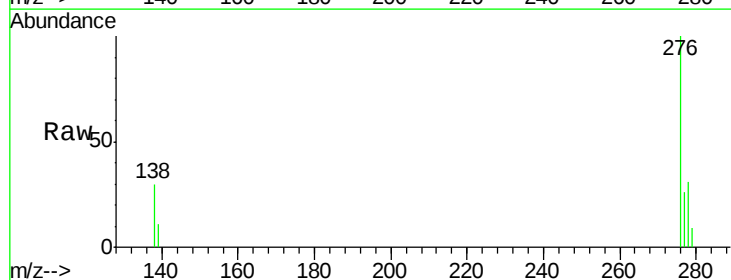
Instrument :
 BNA_E
 ClientSampleId :

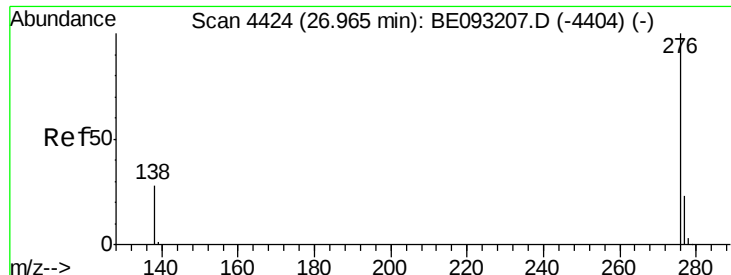
Tot Ion:276 Resp: 29743
 Ion Ratio Lower Upper
 276 100
 138 29.3 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.13 ng/ul
 RT: 26.20 min Scan# 4256
 Delta R.T. -0.01 min
 Lab File: BE093219.D
 Acq: 15 Jun 2017 21:46

Tgt Ion:278 Resp: 7181
 Ion Ratio Lower Upper
 278 100
 139 35.9 17.4 26.0#
 279 30.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.44 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.01 min

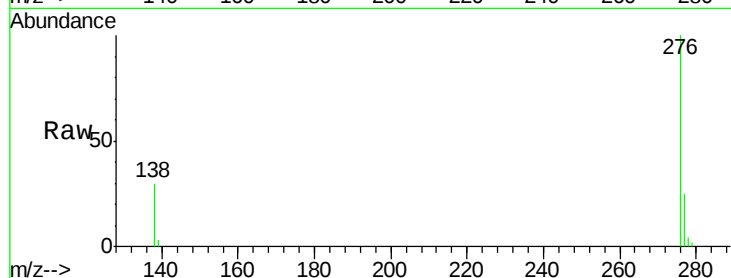
Lab File: BE093219.D

Acq: 15 Jun 2017 21:46

Instrument :

BNA_E

ClientSampleId :



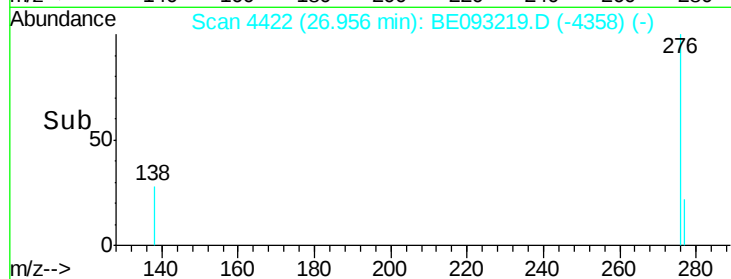
Tot Ion: 276 Resp: 24617

Ion Ratio Lower Upper

276 100

138 30.1 21.8 32.8

277 25.3 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

