

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093209.D
 Acq On : 15 Jun 2017 15:36
 Operator : SJ/MA
 Sample : I3521-14DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:43:16 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	2844	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	15038	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9127	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21082	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21550	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	21427	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3666	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9750	0.17	ng/ul	0.00

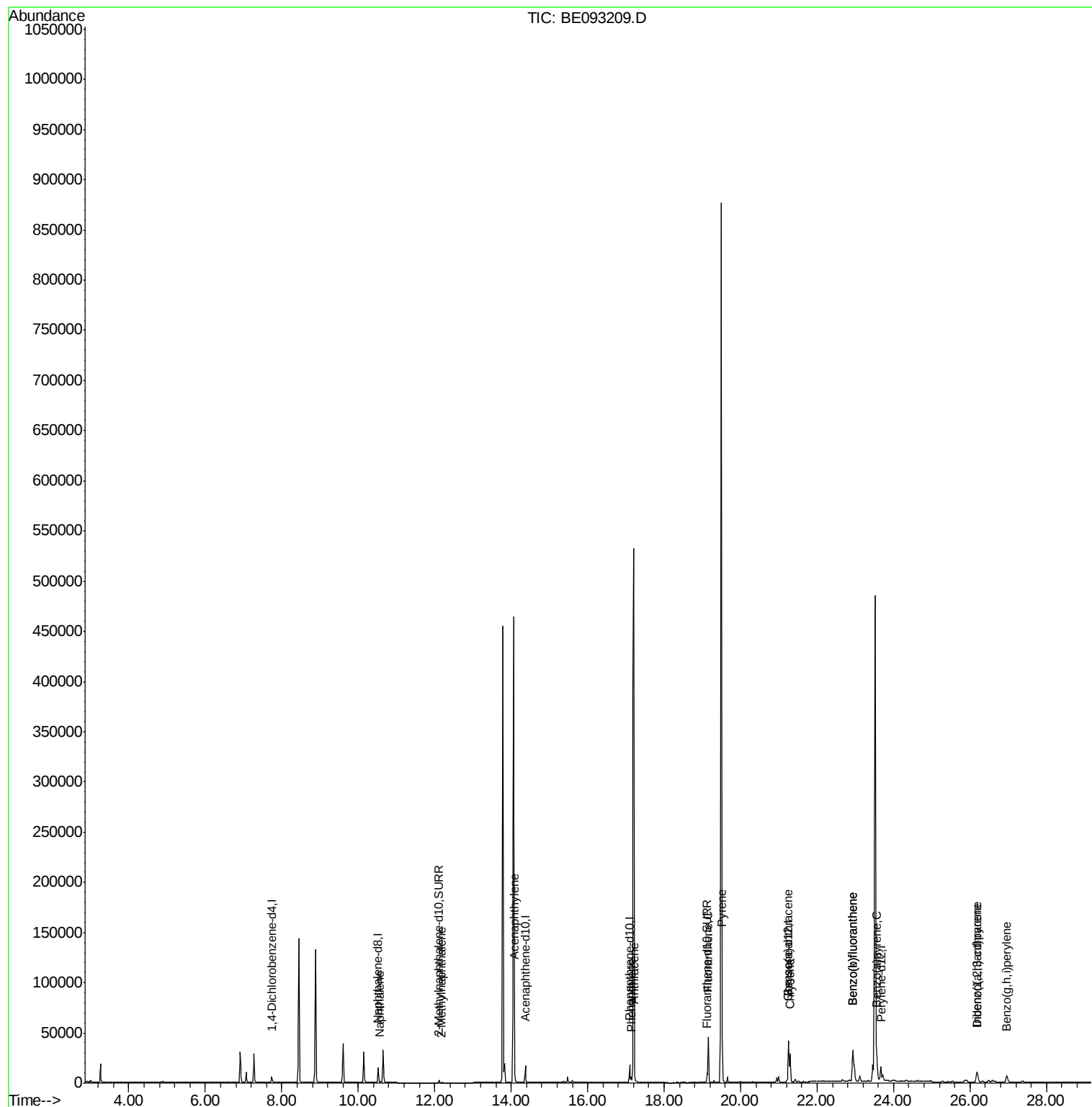
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	1916	0.05	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	341	0.01	ng/ul	99
7) Acenaphthylene	14.09	152	7729	0.20	ng/ul	97
12) Phenanthrene	17.13	178	5858	0.10	ng/ul#	83
13) Anthracene	17.22	178	9050	0.18	ng/ul#	88
15) Fluoranthene	19.16	202	48719	0.68	ng/ul	83
17) Pyrene	19.52	202	55899	0.88	ng/ul#	83
18) Benzo(a)anthracene	21.25	228	32148	0.56	ng/ul#	85
19) Chrysene	21.30	228	32483	0.54	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	73171	1.13	ng/ul	89
22) Benzo(k)fluoranthene	22.94	252	73171	1.06	ng/ul#	90
23) Benzo(a)pyrene	23.56	252	28118	0.46	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	18507	0.26	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.20	278	4845	0.08	ng/ul#	72
26) Benzo(g,h,i)perylene	26.96	276	14040	0.23	ng/ul	96

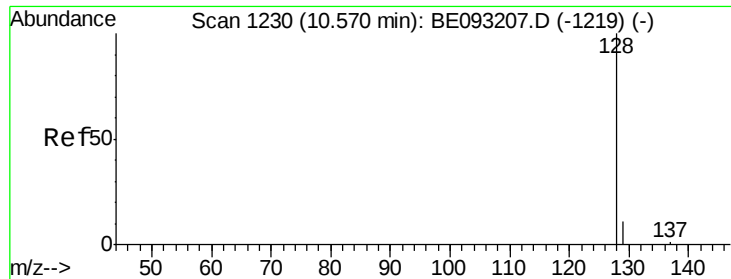
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 16 04:43:11 2017
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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: BE093209.D

Acq: 15 Jun 2017 15:36

Instrument :

BNA_E

ClientSampleId :

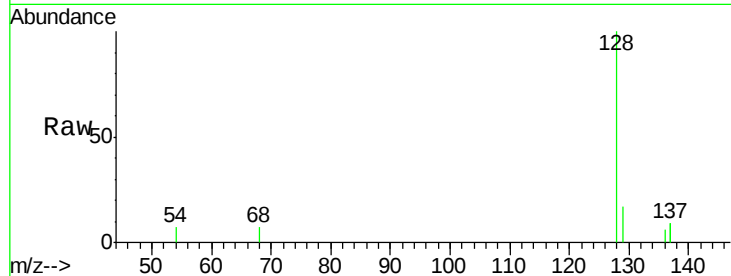
Tot Ion:128 Resp: 1916

Ion Ratio Lower Upper

128 100

129 16.9 11.3 16.9#

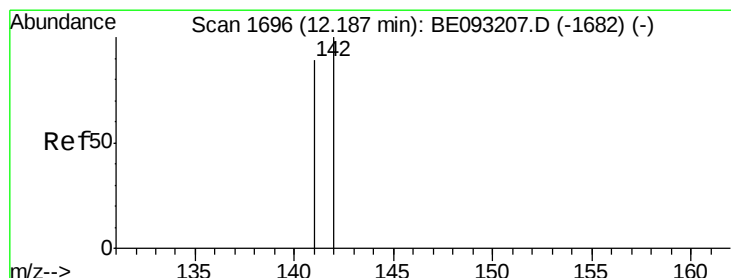
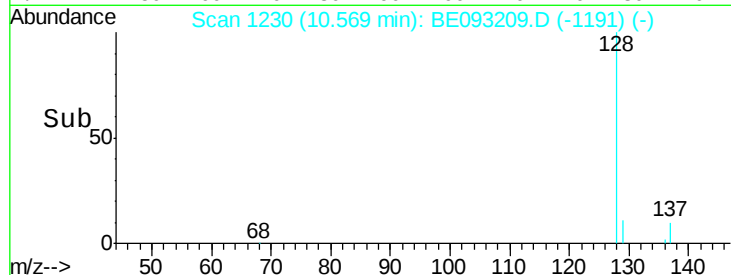
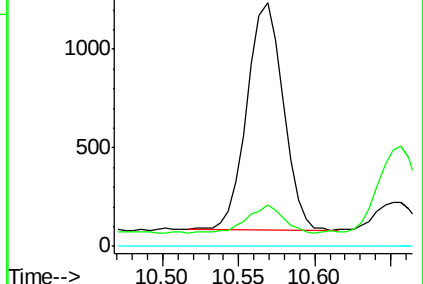
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093209.D

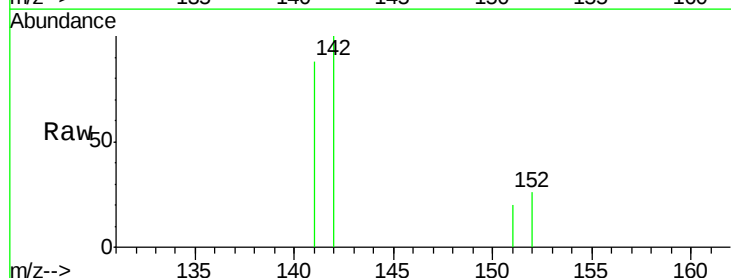
Acq: 15 Jun 2017 15:36

Tgt Ion:142 Resp: 341

Ion Ratio Lower Upper

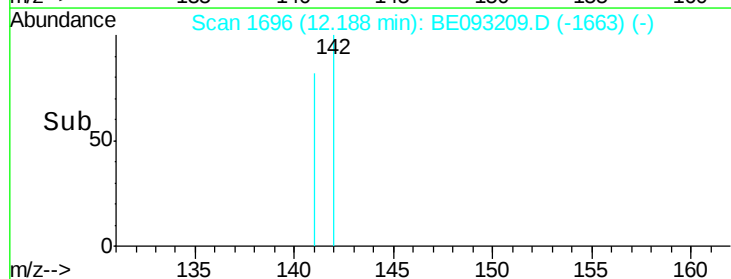
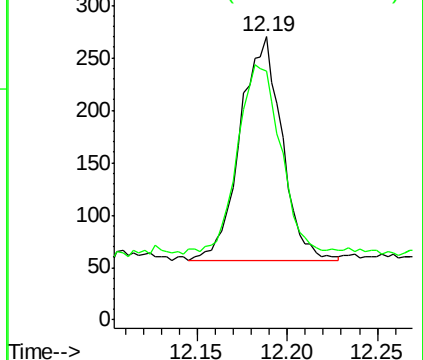
142 100

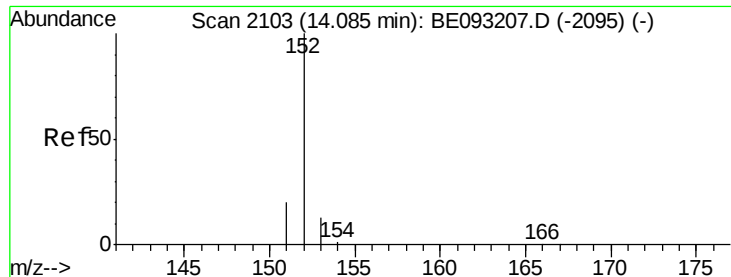
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

Instrument :

BNA_E

ClientSampleId :

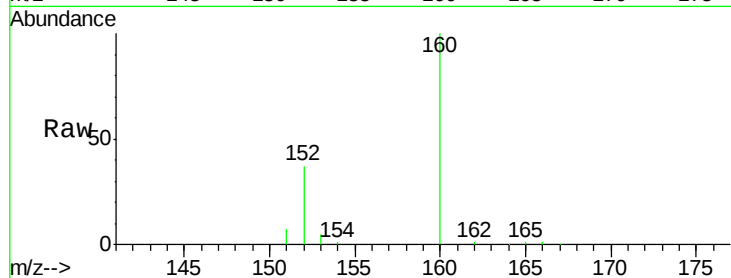
Tot Ion:152 Resp: 7729

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

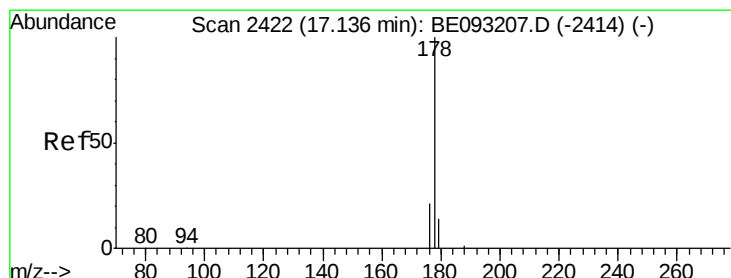
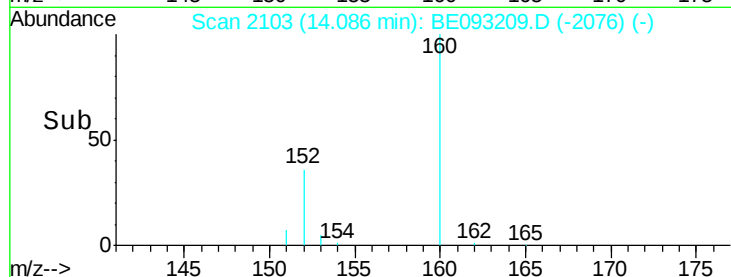
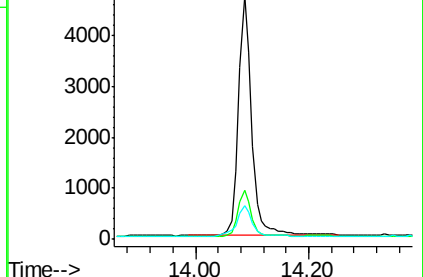
153 13.9 12.8 19.2



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



#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

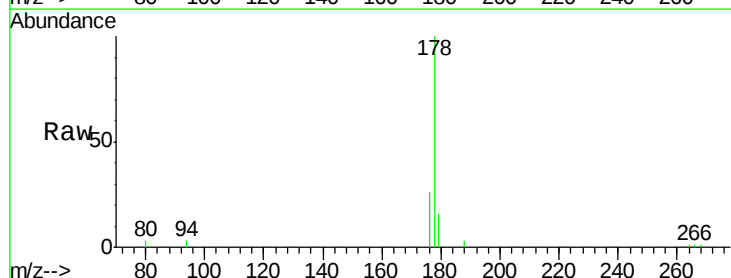
Tgt Ion:178 Resp: 5858

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

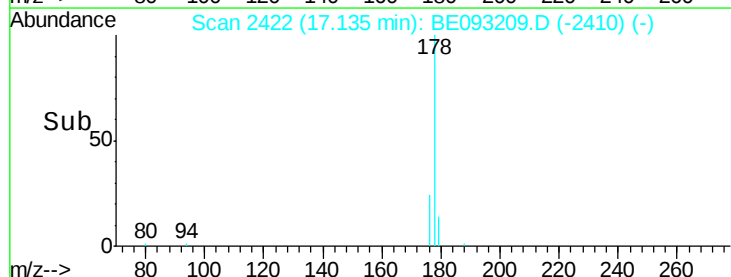
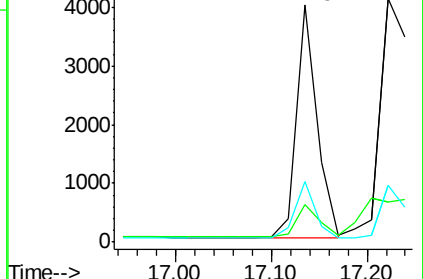
176 25.6 13.6 20.4#

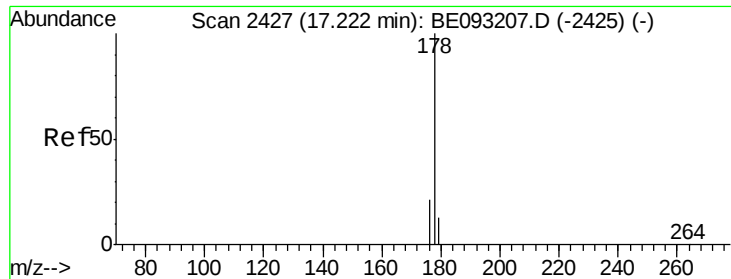


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.18 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

Instrument :

BNA_E

ClientSampleId :

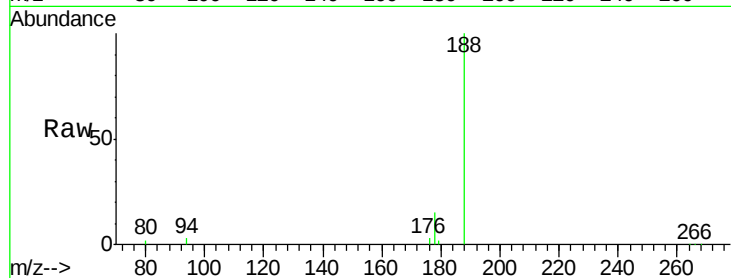
Tot Ion:178 Resp: 9050

Ion Ratio Lower Upper

178 100

179 16.6 18.1 27.1#

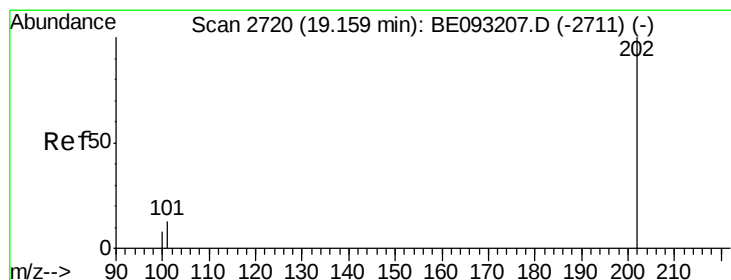
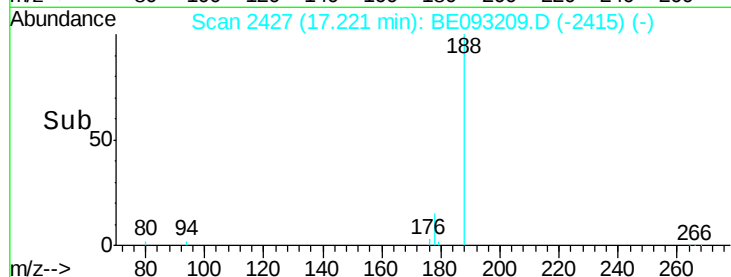
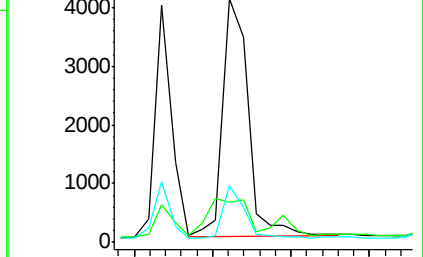
176 23.1 14.7 22.1#



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: 0.68 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

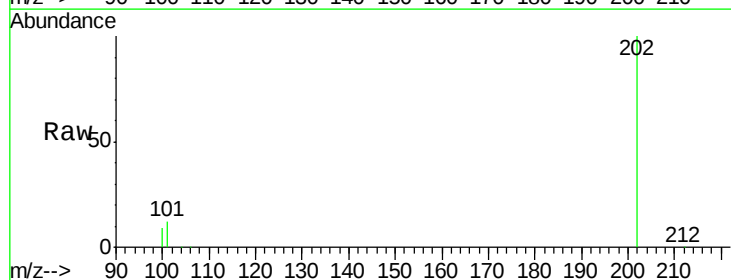
Tgt Ion:202 Resp: 48719

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

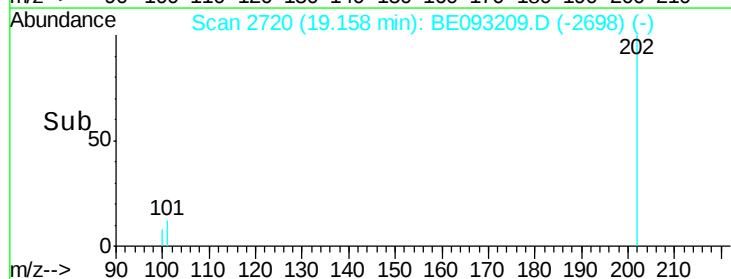
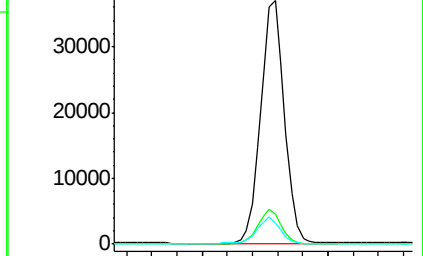
100 8.6 0.0 39.5

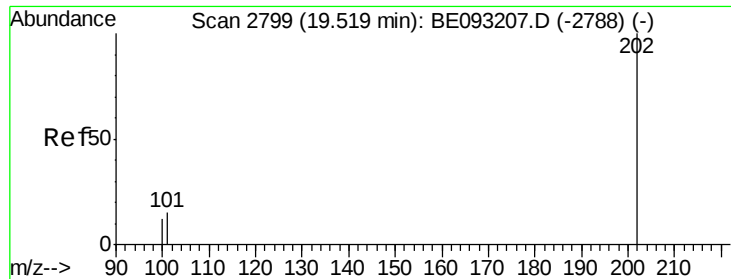


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

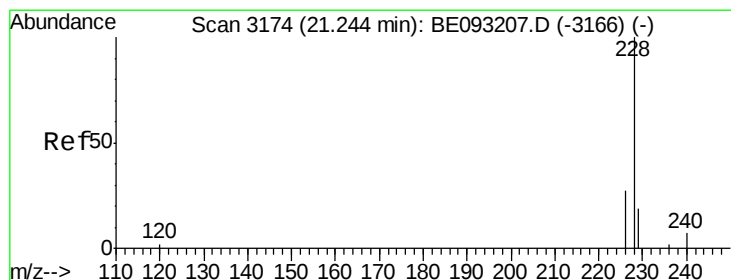
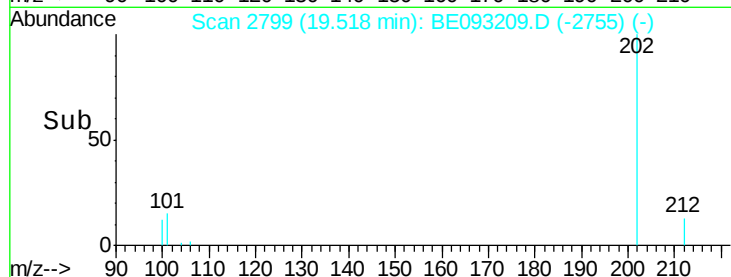
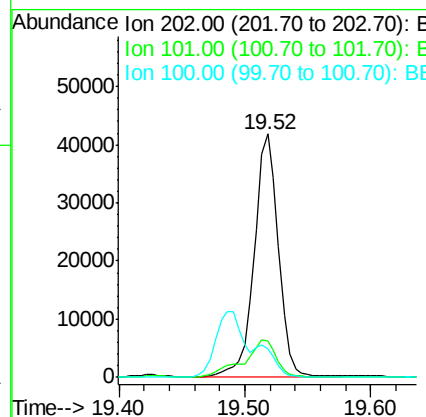
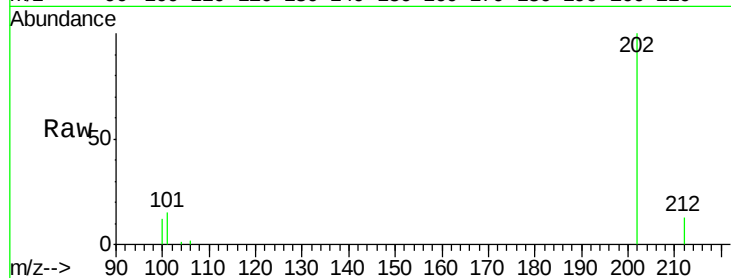




#17
Pvrene
Concen: 0.88 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093209.D
Acq: 15 Jun 2017 15:36

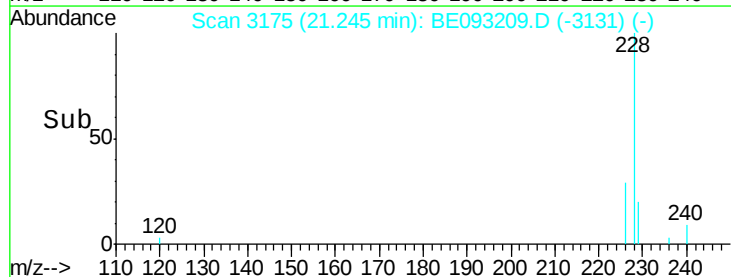
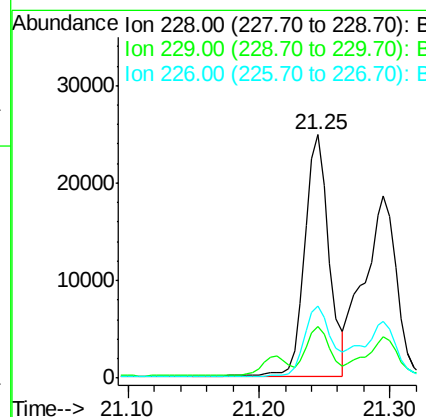
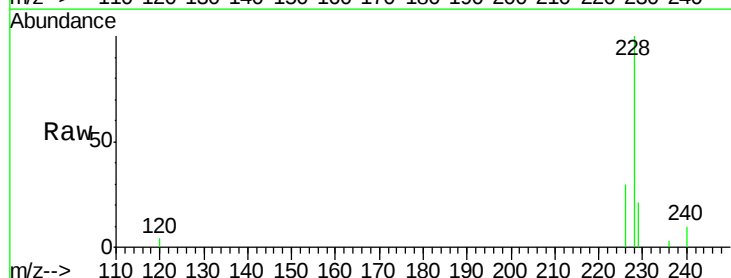
Instrument :
BNA_E
ClientSampleId :

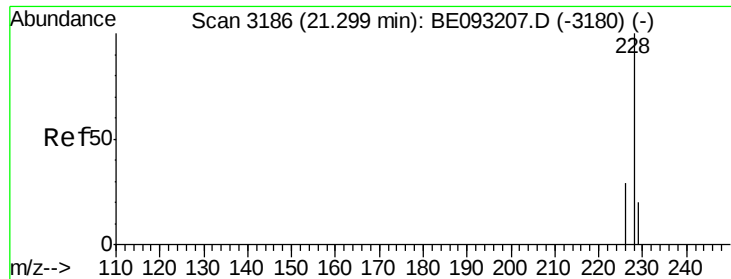
Tot Ion:202 Resp: 55899
Ion Ratio Lower Upper
202 100
101 15.0 18.2 27.4#
100 11.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.56 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093209.D
Acq: 15 Jun 2017 15:36

Tgt Ion:228 Resp: 32148
Ion Ratio Lower Upper
228 100
229 21.1 22.8 34.2#
226 29.6 17.0 25.6#





#19

Chrysene

Concen: 0.54 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

Instrument :

BNA_E

ClientSampleId :

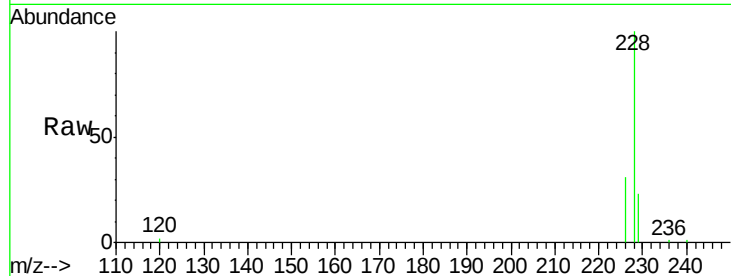
Tot Ion:228 Resp: 32483

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

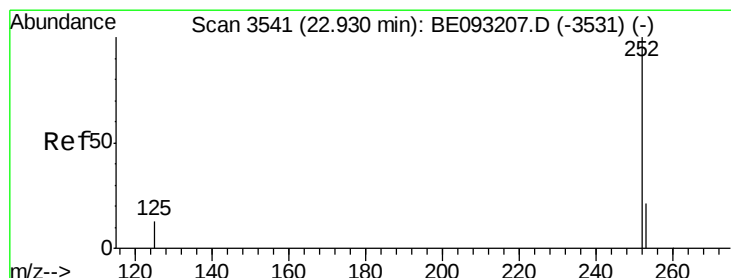
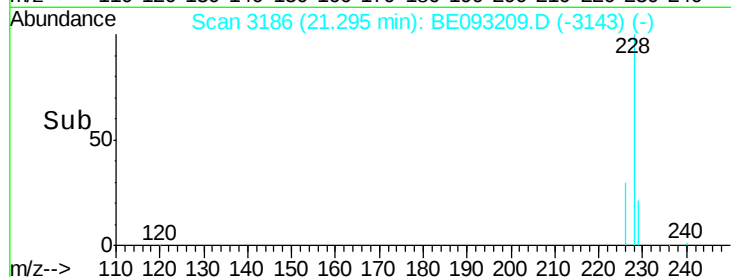
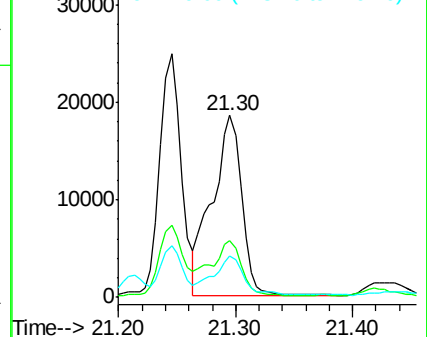
229 22.6 17.7 26.5



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: 1.13 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

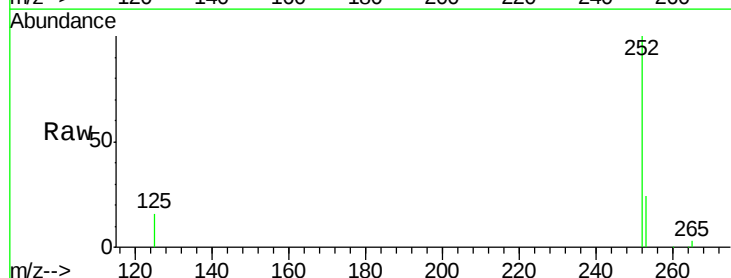
Tgt Ion:252 Resp: 73171

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

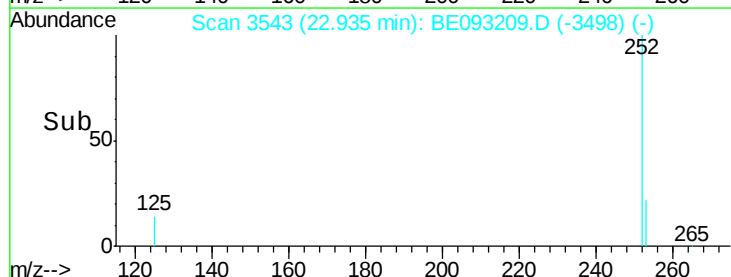
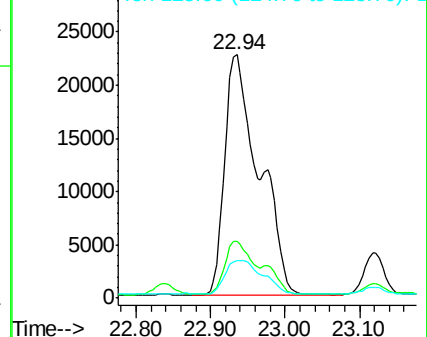
125 15.6 0.0 35.0

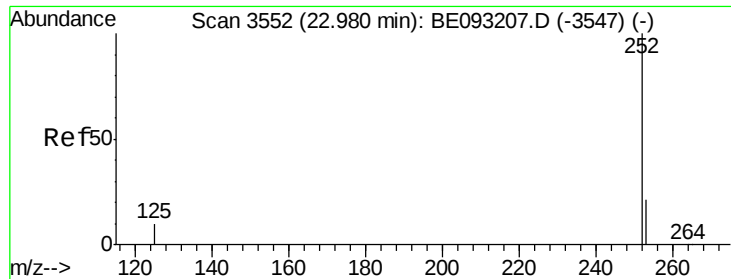


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.06 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

Instrument :

BNA_E

ClientSampleId :

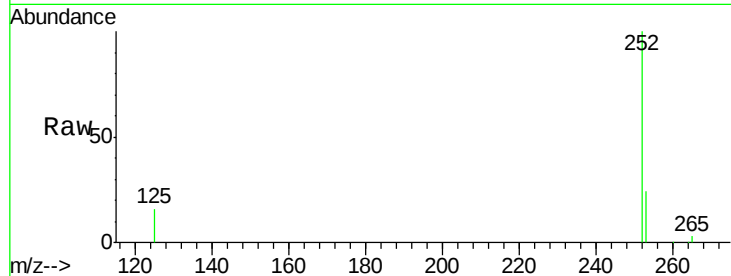
Tot Ion:252 Resp: 73171

Ion Ratio Lower Upper

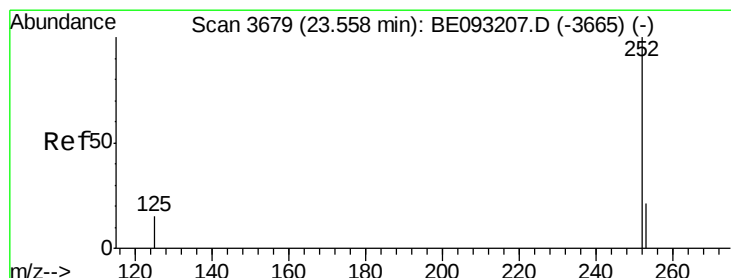
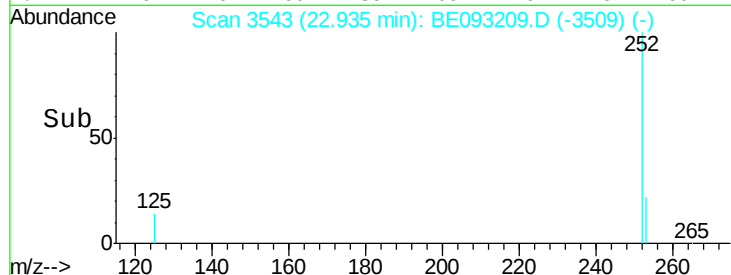
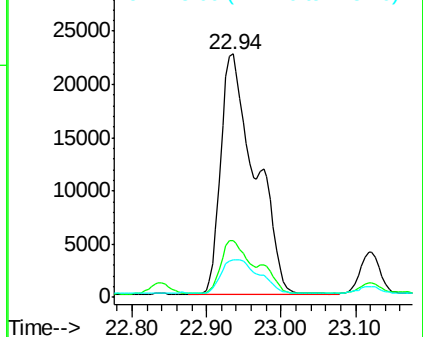
252 100

253 23.5 24.5 36.7#

125 15.6 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: 0.46 ng/ul

RT: 23.56 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BE093209.D

Acq: 15 Jun 2017 15:36

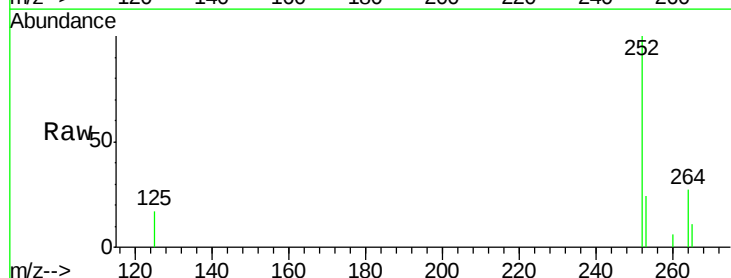
Tgt Ion:252 Resp: 28118

Ion Ratio Lower Upper

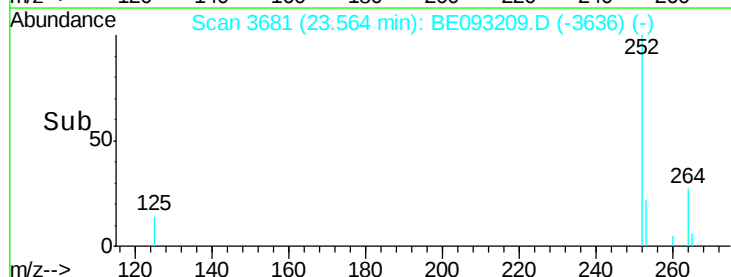
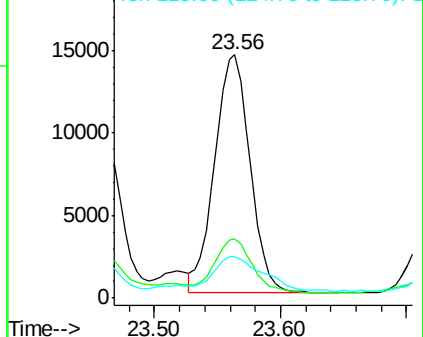
252 100

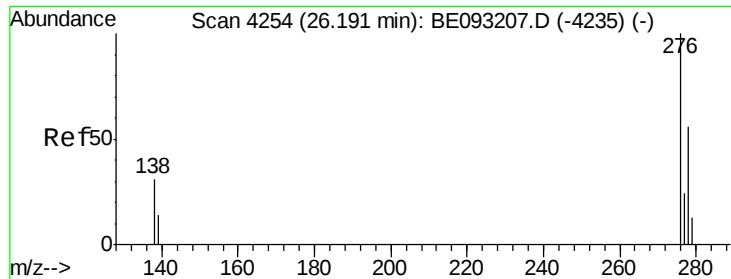
253 24.5 28.5 42.7#

125 16.9 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



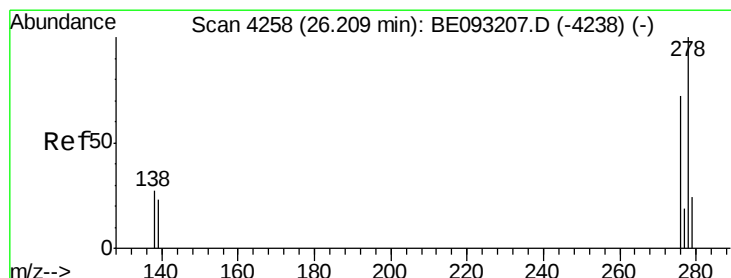
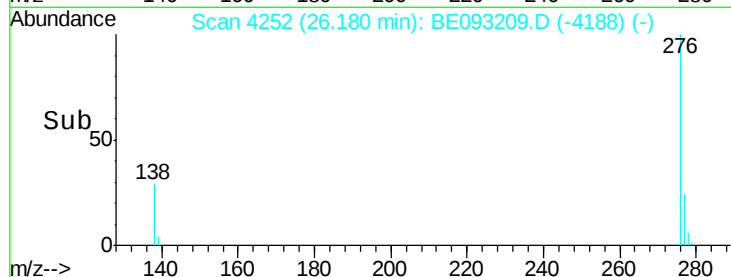
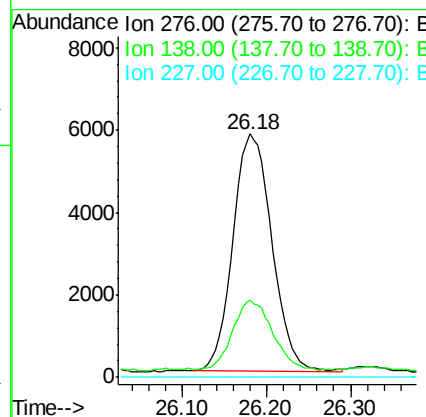
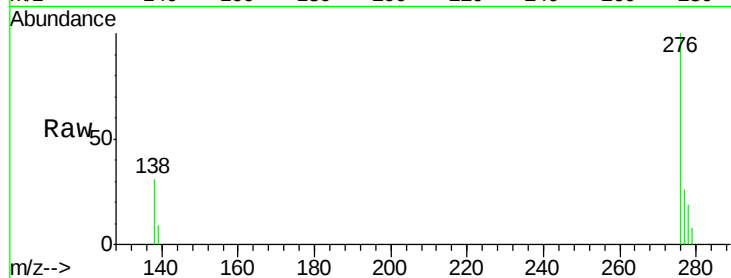


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.26 ng/ul
RT: 26.18 min Scan# 4252
Delta R.T. -0.01 min
Lab File: BE093209.D
Acq: 15 Jun 2017 15:36

Instrument :
BNA_E
ClientSampleId :

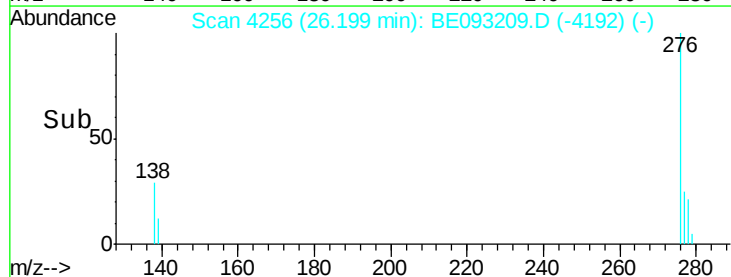
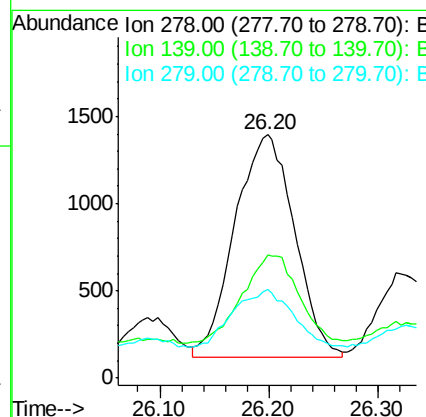
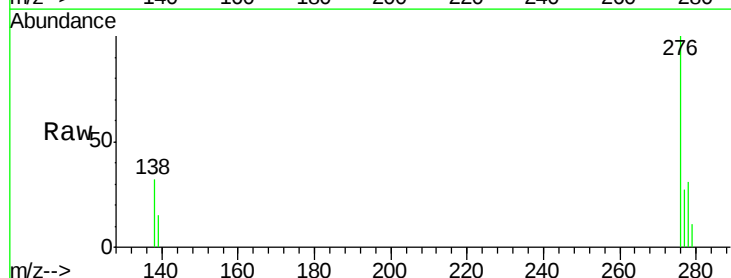
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	28.0	42.0
227	0.0	8.0	12.0

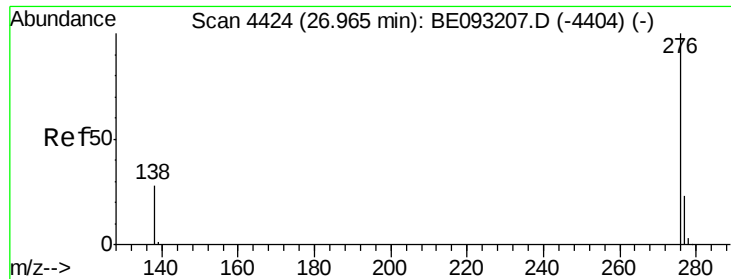


#25

Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.01 min
Lab File: BE093209.D
Acq: 15 Jun 2017 15:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	50.6	17.4	26.0
279	36.2	25.9	38.9

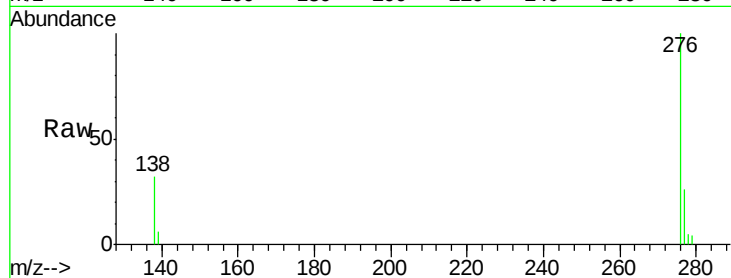




#26
 Benzo(a,h,i)perylene
 Concen: 0.23 ng/ul
 RT: 26.96 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: BE093209.D
 Acq: 15 Jun 2017 15:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	21.8	32.8
277	25.7	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

