

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\
 Data File : BE093273.D
 Acq On : 20 Jun 2017 5:00
 Operator : SJ/MA
 Sample : I3599-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 08:51:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2728	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14387	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8783	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20440	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	19510	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	659604	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	3438	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9691	0.17	ng/ul	0.00

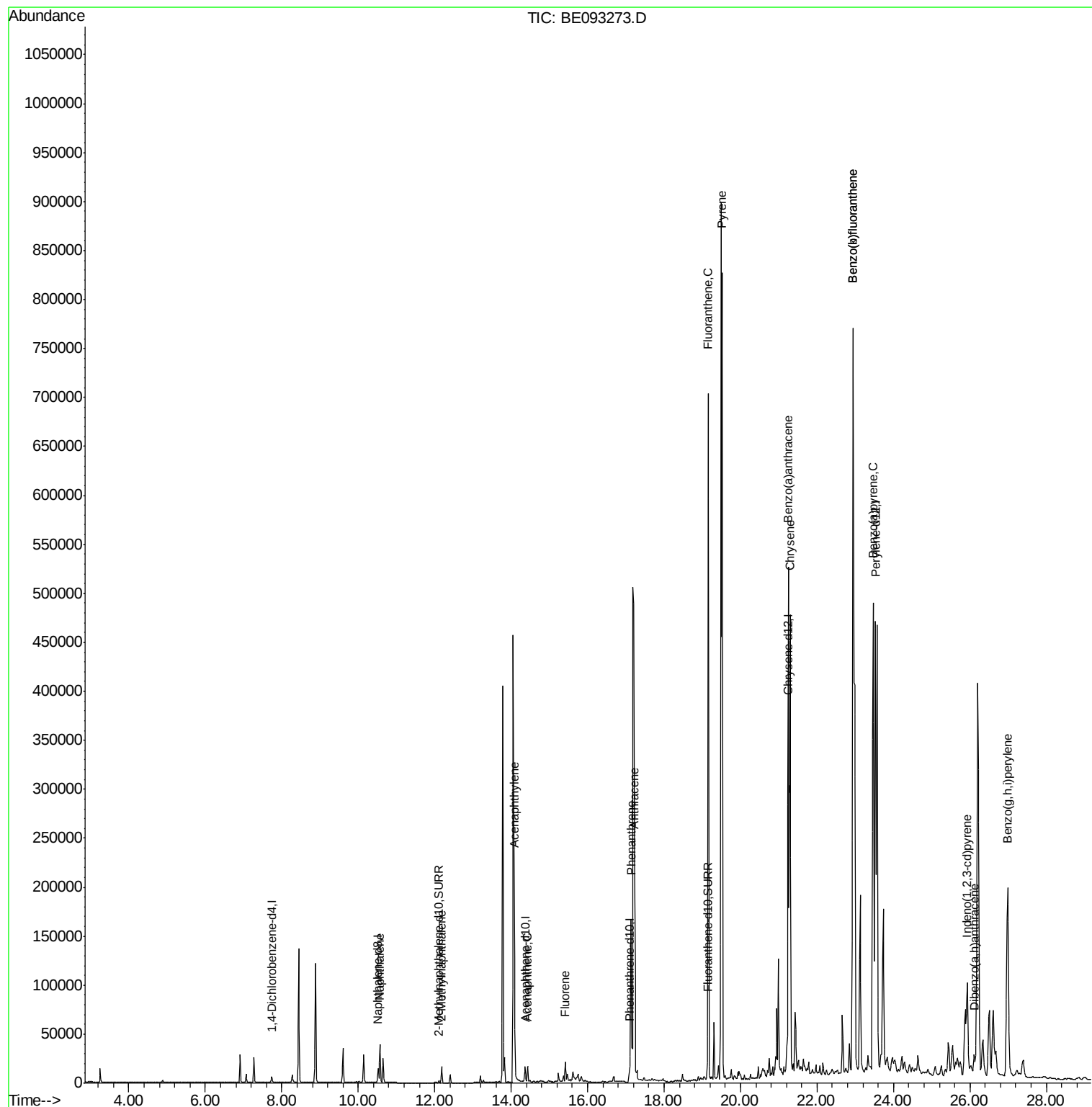
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.56	128	58550	1.64	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	13735	0.56	ng/ul	98
7) Acenaphthylene	14.09	152	216673	5.75	ng/ul	95
8) Acenaphthene	14.43	153	9864	0.32	ng/ul	99
9) Fluorene	15.42	166	14049	0.39	ng/ul	93
12) Phenanthrene	17.14	178	173500	3.08	ng/ul#	88
13) Anthracene	17.22	178	263261	5.38	ng/ul#	87
15) Fluoranthene	19.16	202	762439	11.05	ng/ul	84
17) Pyrene	19.52	202	813256	14.13	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	436018	8.38	ng/ul#	83
19) Chrysene	21.30	228	588412	10.90	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1305565	0.65	ng/ul	88
22) Benzo(k)fluoranthene	22.94	252	1753237	0.82	ng/ul#	90
23) Benzo(a)pyrene	23.47	252	710529	0.38	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.93	276	141367	0.06	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.11	278	26246	0.01	ng/ul	92
26) Benzo(a,h,i)perylene	26.98	276	416506	0.22	ng/ul	96

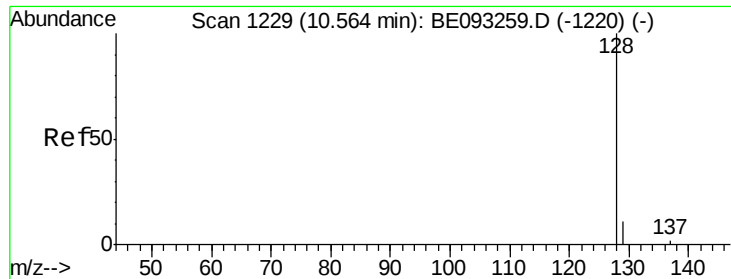
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.64 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

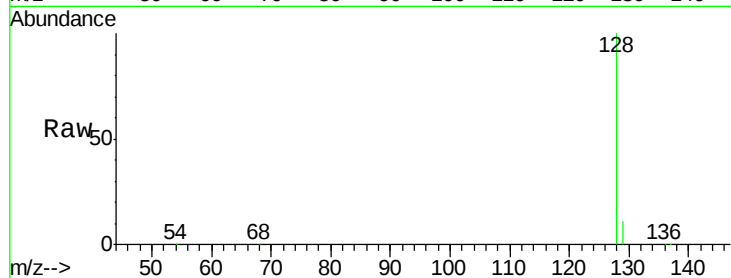
Tot Ion:128 Resp: 58550

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

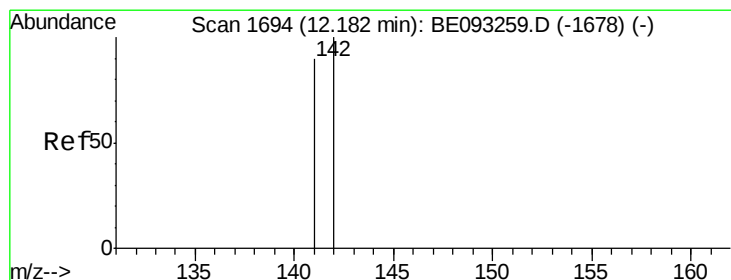
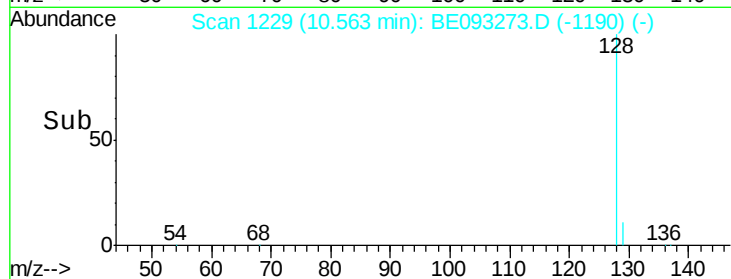
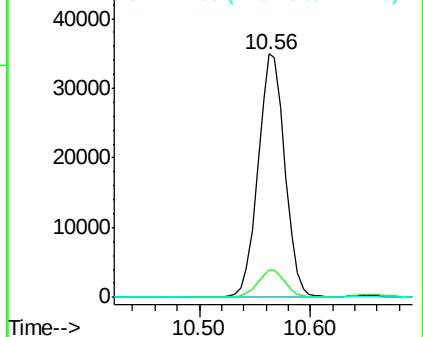
127 0.0 4.0 6.0#



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: 0.56 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093273.D

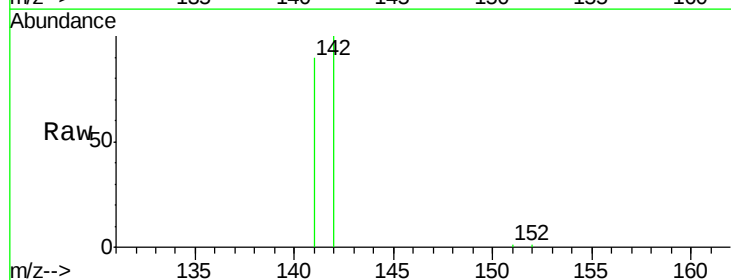
Acq: 20 Jun 2017 5:00

Tgt Ion:142 Resp: 13735

Ion Ratio Lower Upper

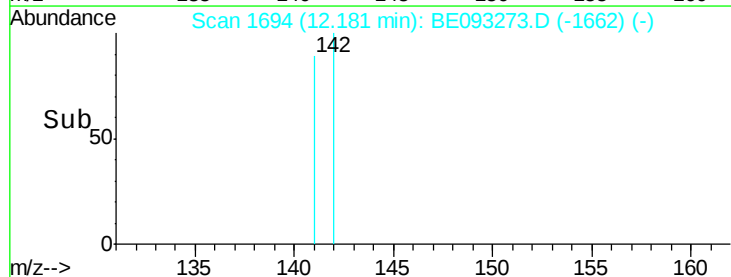
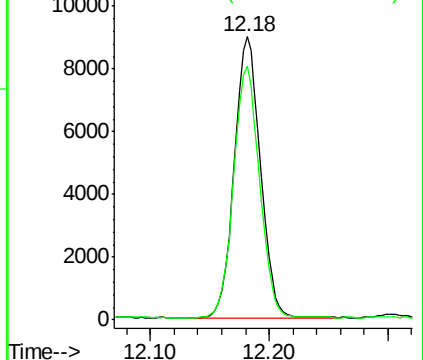
142 100

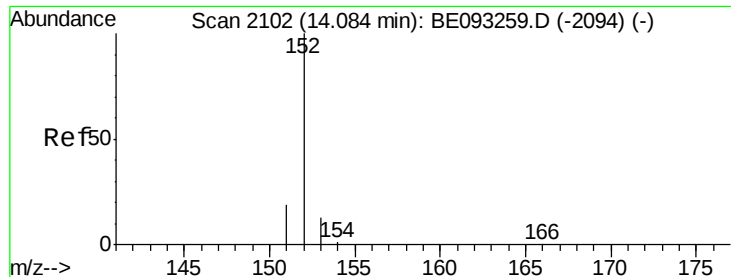
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.75 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

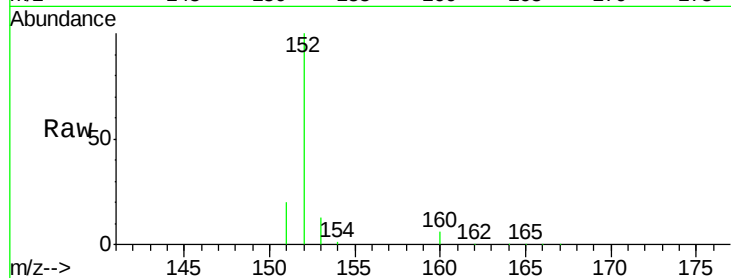
Tot Ion:152 Resp: 216673

Ion Ratio Lower Upper

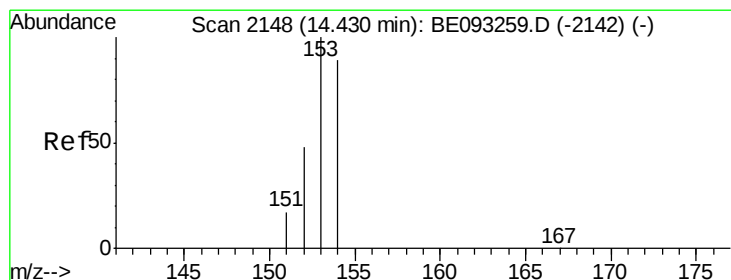
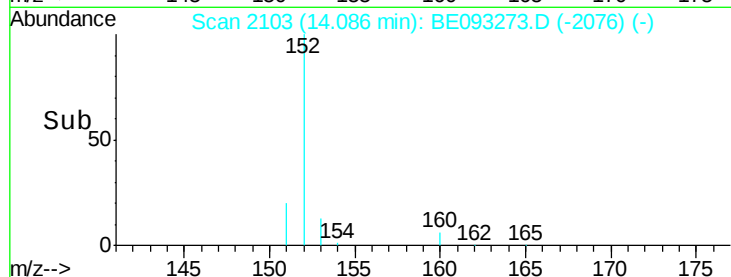
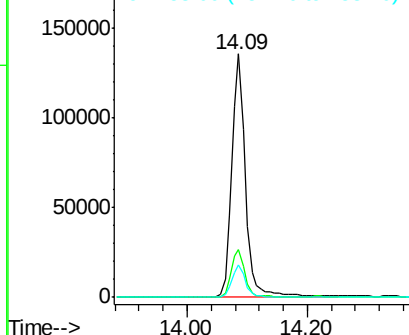
152 100

151 19.7 17.1 25.7

153 13.2 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



#8

Acenaphthene

Concen: 0.32 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

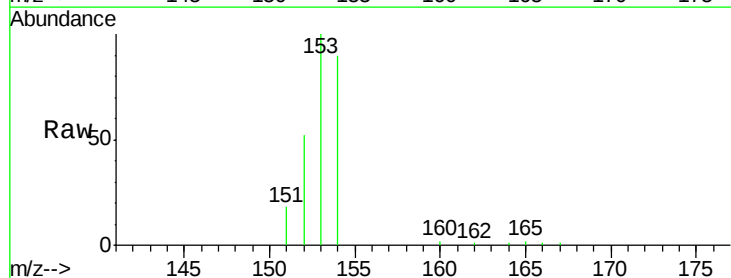
Tgt Ion:153 Resp: 9864

Ion Ratio Lower Upper

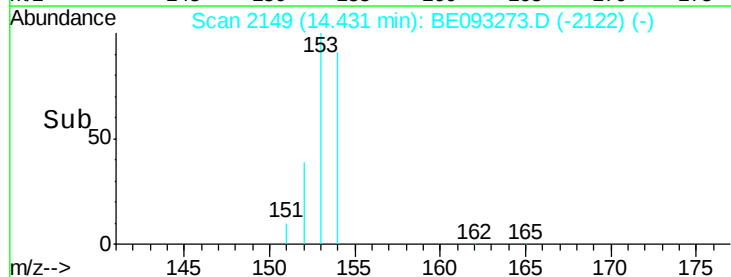
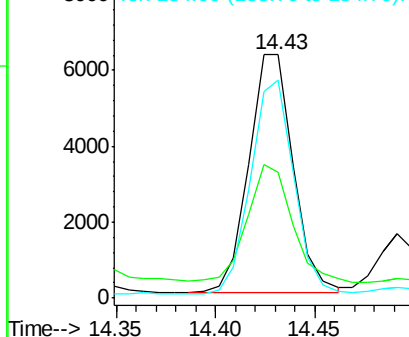
153 100

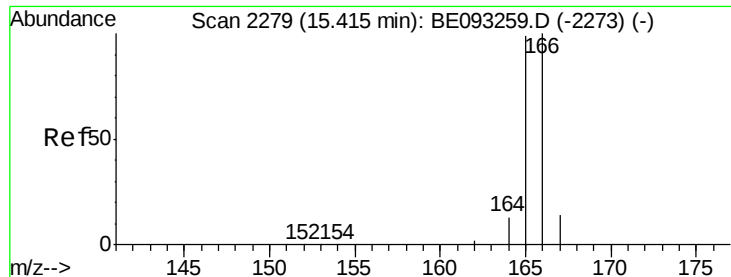
152 51.7 40.3 60.5

154 89.6 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

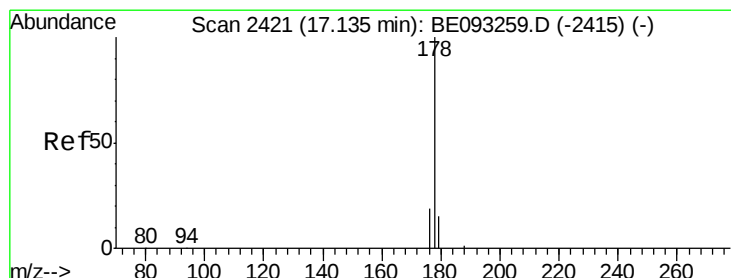
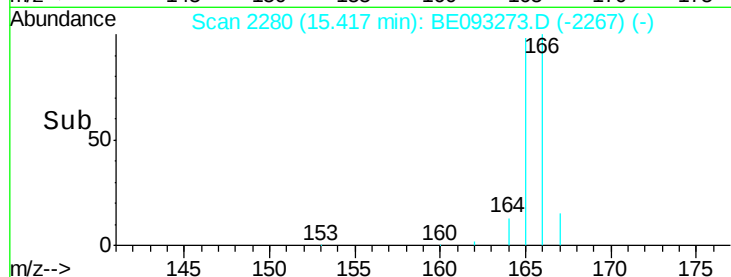
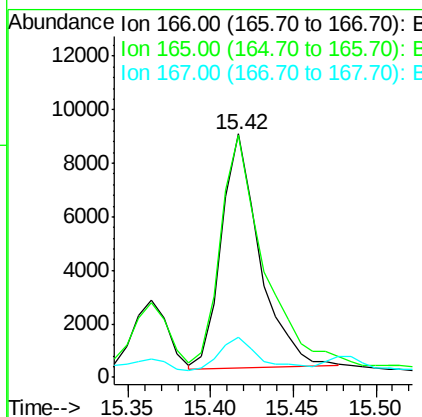
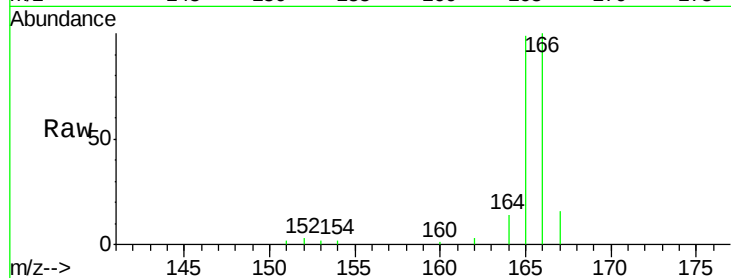




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

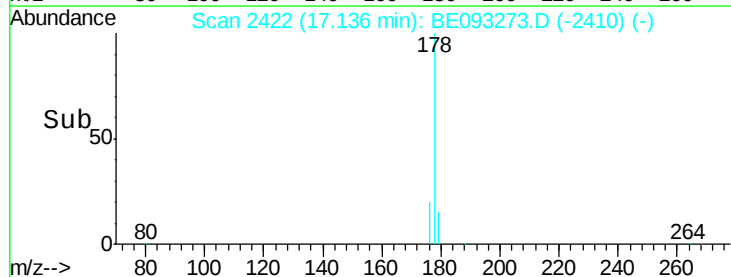
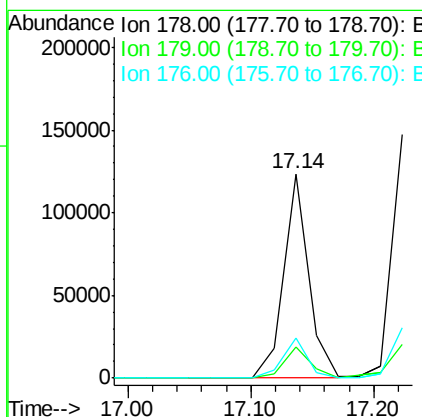
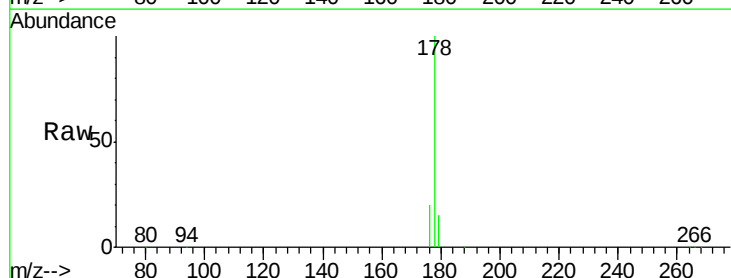
Instrument :
 BNA_E
 ClientSampleId :

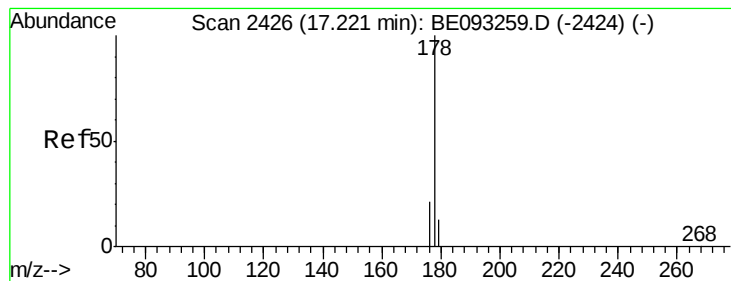
Tot Ion:166 Resp: 14049
 Ion Ratio Lower Upper
 166 100
 165 99.4 73.4 110.2
 167 16.4 14.6 22.0



#12
Phenanthrene
 Concen: 3.08 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Tgt Ion:178 Resp: 173500
 Ion Ratio Lower Upper
 178 100
 179 15.1 18.4 27.6#
 176 19.6 13.6 20.4





#13

Anthracene

Concen: 5.38 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

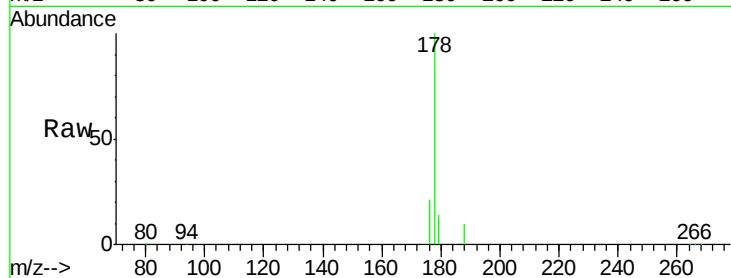
Tot Ion:178 Resp: 263261

Ion Ratio Lower Upper

178 100

179 13.8 18.1 27.1#

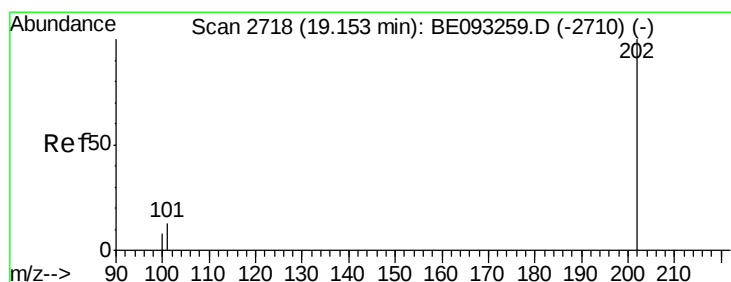
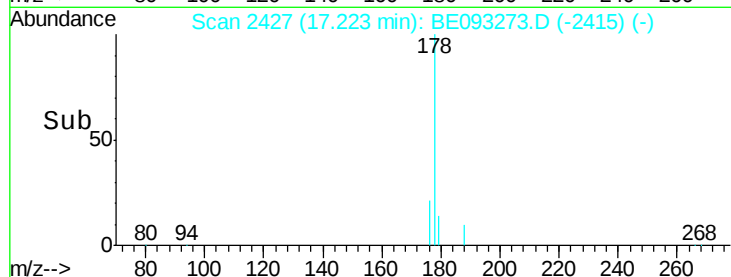
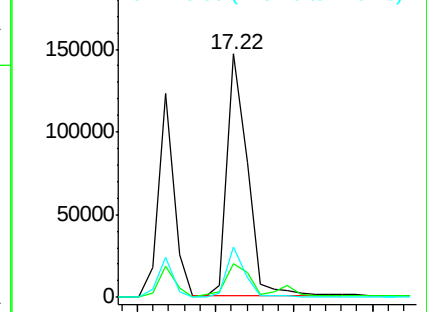
176 20.9 14.7 22.1



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: 11.05 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

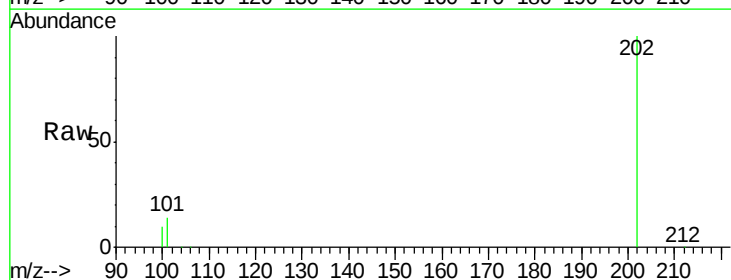
Tgt Ion:202 Resp: 762439

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

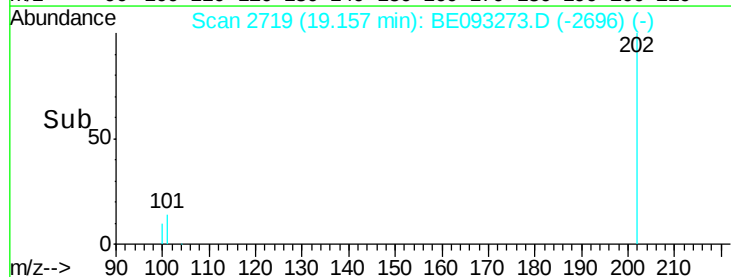
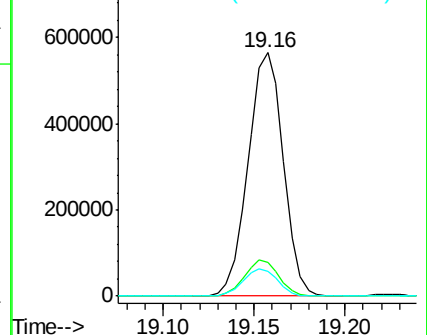
100 10.4 0.0 39.5

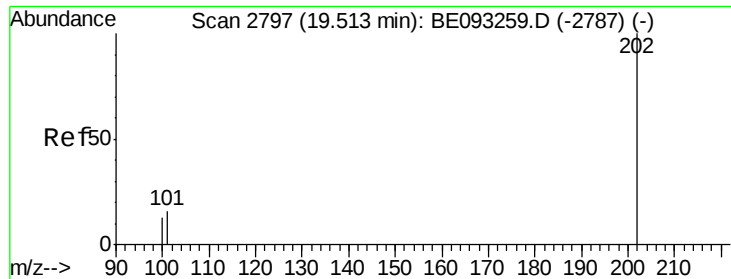


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

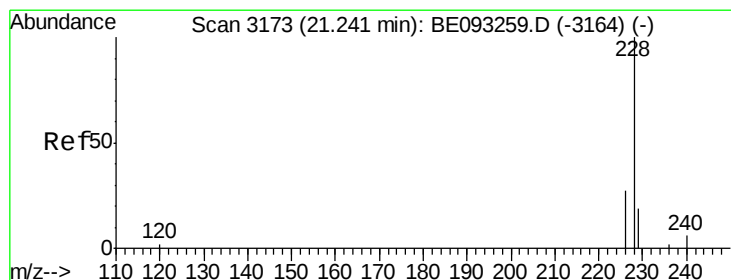
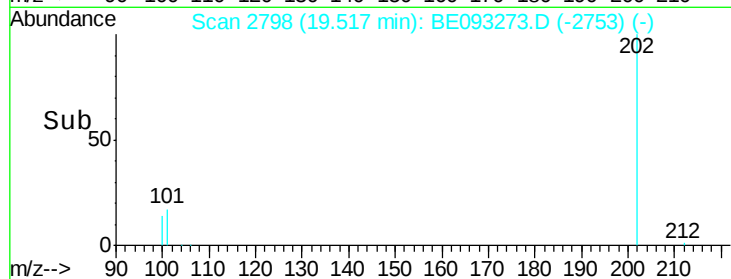
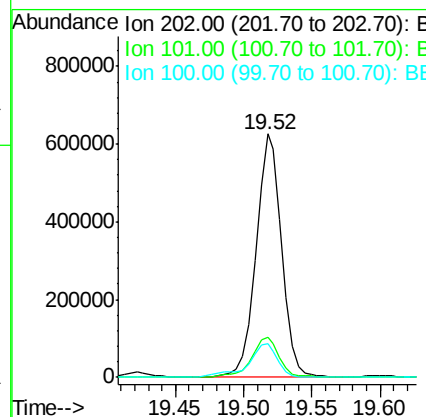
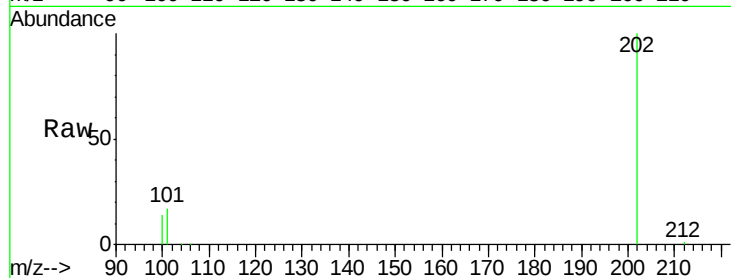




#17
Pvrene
Concen: 14.13 ng/ul
RT: 19.52 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE093273.D
Acq: 20 Jun 2017 5:00

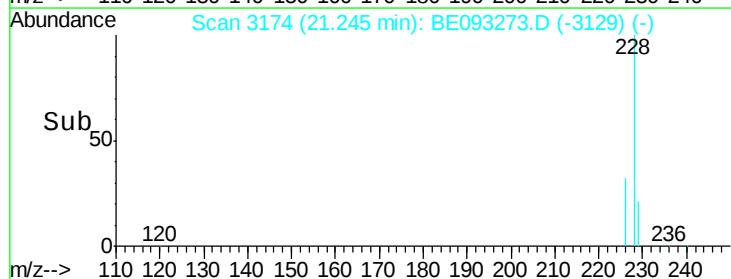
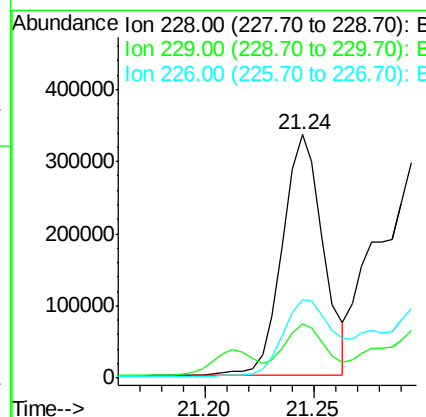
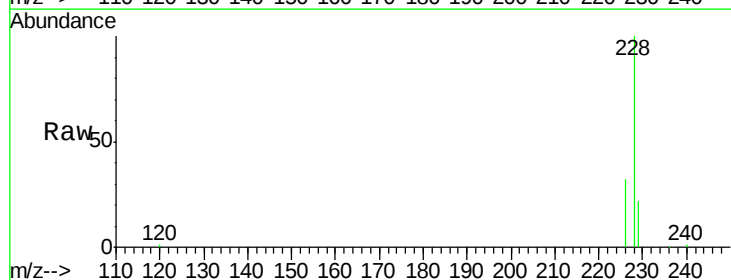
Instrument :
BNA_E
ClientSampleId :

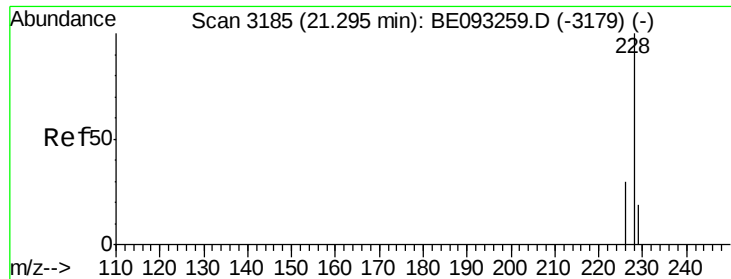
Tot Ion:202 Resp: 813256
Ion Ratio Lower Upper
202 100
101 16.7 18.2 27.4#
100 13.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 8.38 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093273.D
Acq: 20 Jun 2017 5:00

Tgt Ion:228 Resp: 436018
Ion Ratio Lower Upper
228 100
229 22.1 22.8 34.2#
226 32.4 17.0 25.6#





#19

Chrysene

Concen: 10.90 ng/u1

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

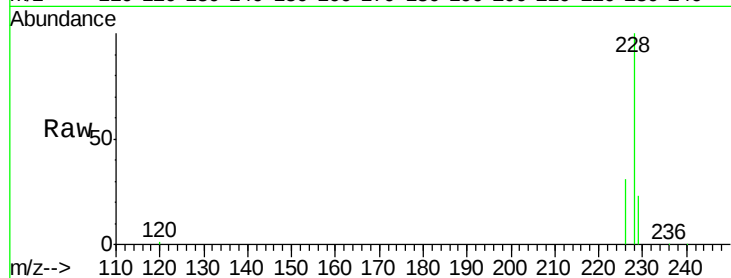
Tot Ion:228 Resp: 588412

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

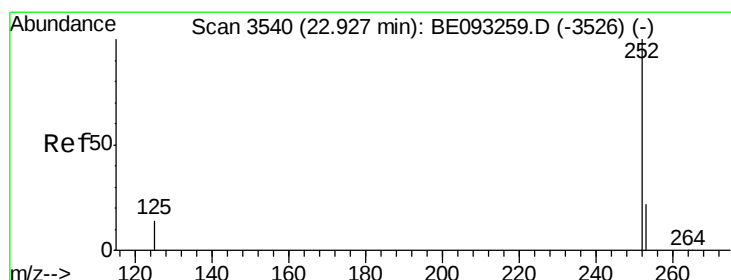
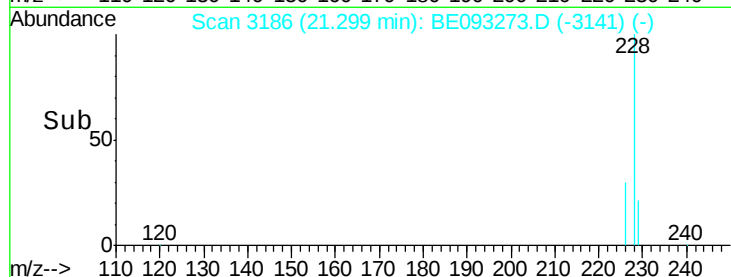
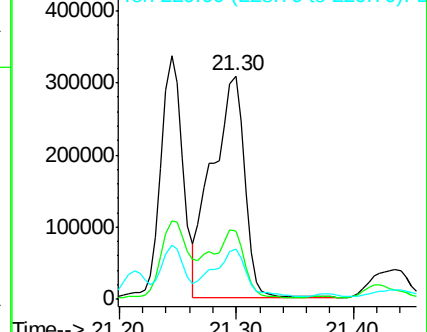
229 22.6 17.7 26.5



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: 0.65 ng/u1

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

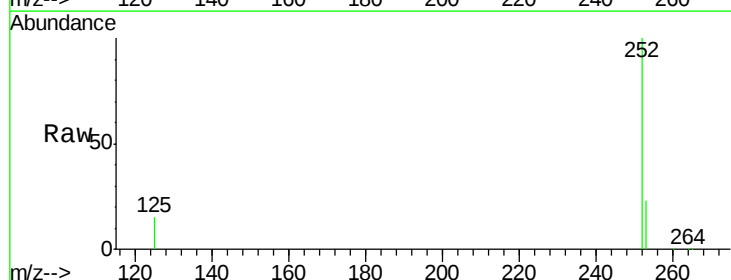
Tgt Ion:252 Resp: 1305565

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

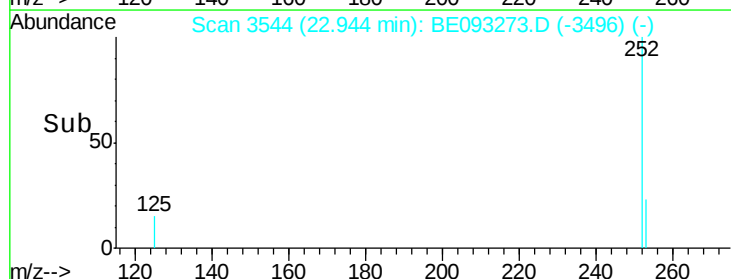
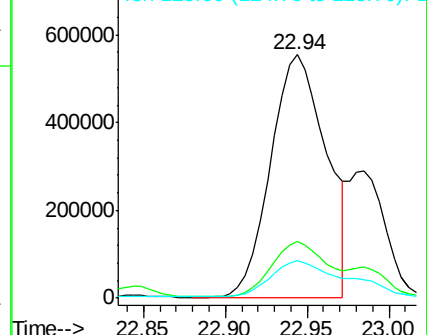
125 15.3 0.0 35.0

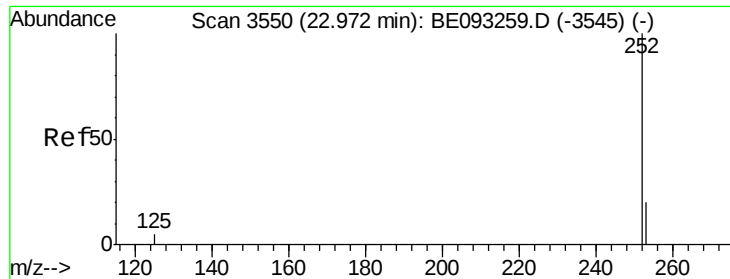


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.82 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. -0.03 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

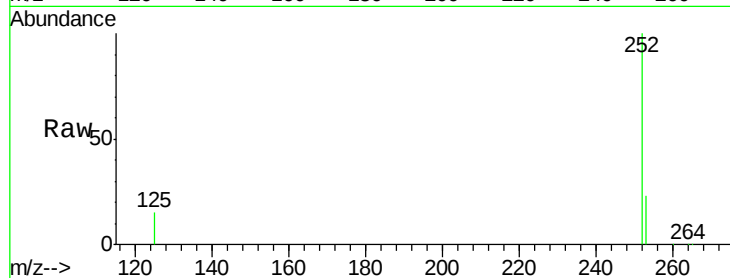
Tot Ion:252 Resp: 1753237

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

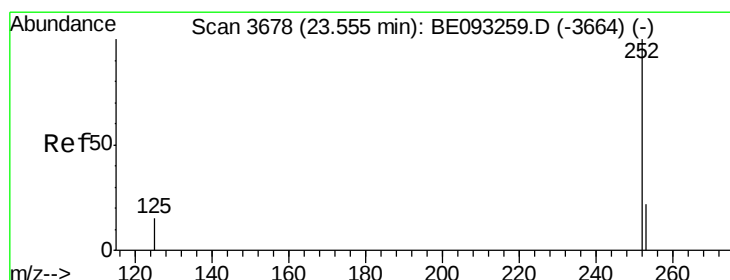
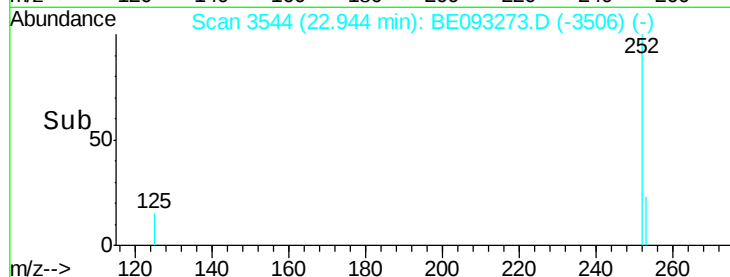
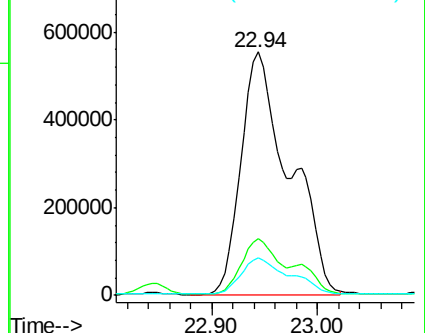
125 15.3 13.7 20.5



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: 0.38 ng/ul

RT: 23.47 min Scan# 3659

Delta R.T. -0.09 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

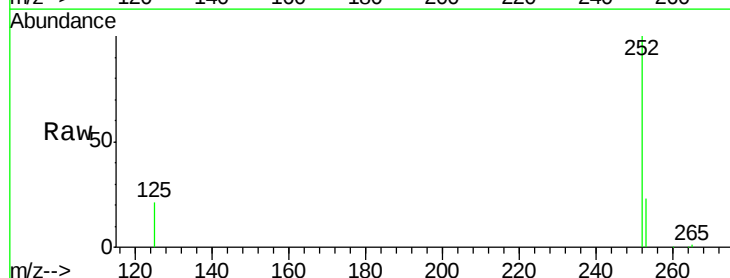
Tgt Ion:252 Resp: 710529

Ion Ratio Lower Upper

252 100

253 23.2 28.5 42.7#

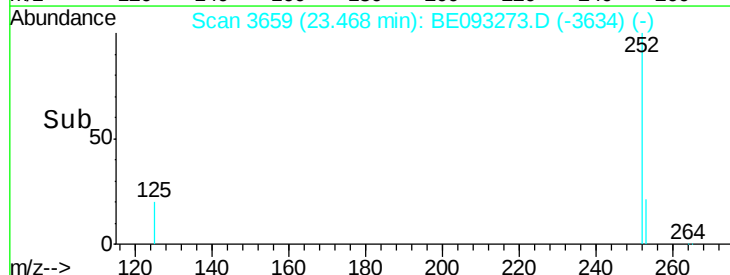
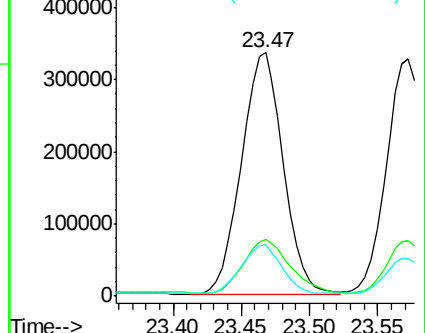
125 21.0 18.1 27.1

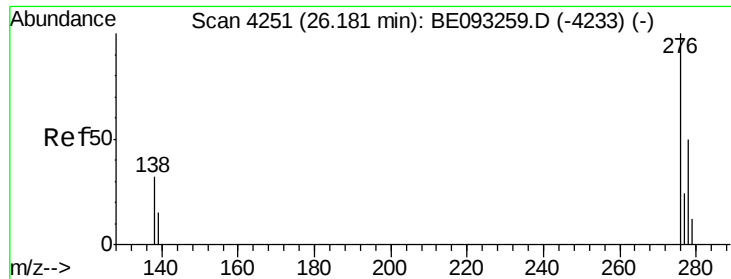


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

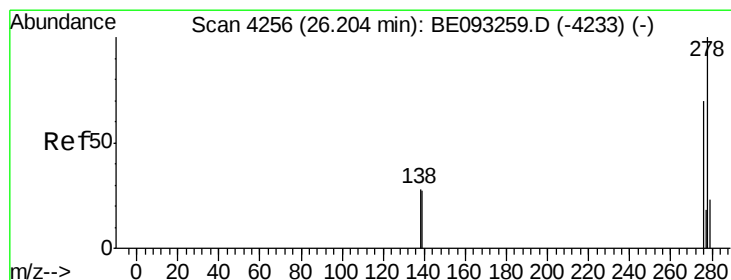
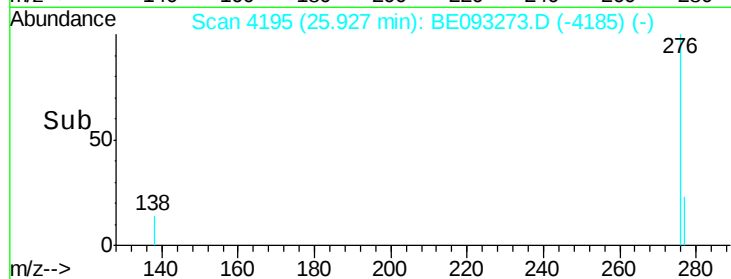
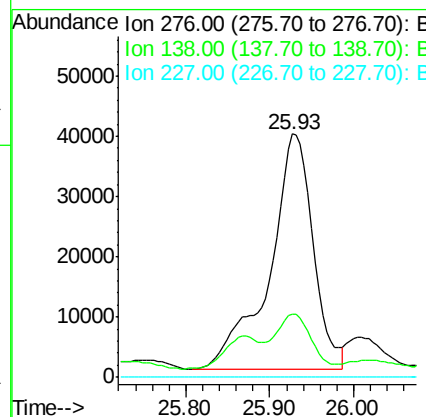
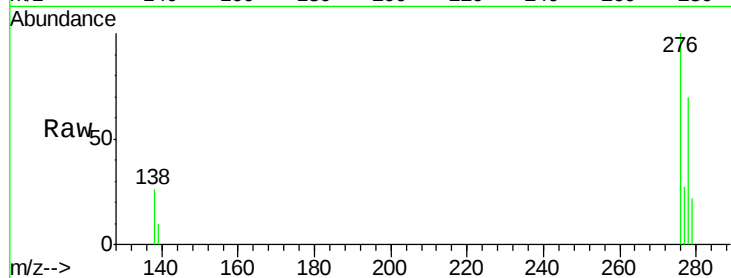




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.06 ng/ul
 RT: 25.93 min Scan# 4195
 Delta R.T. -0.25 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

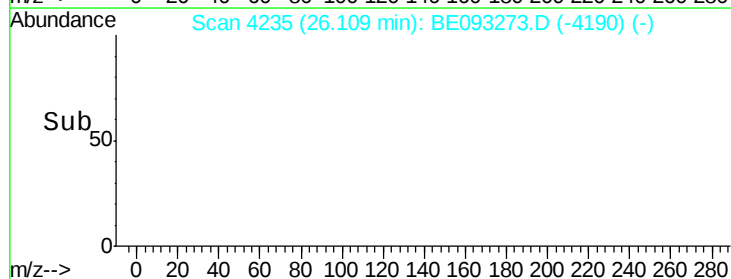
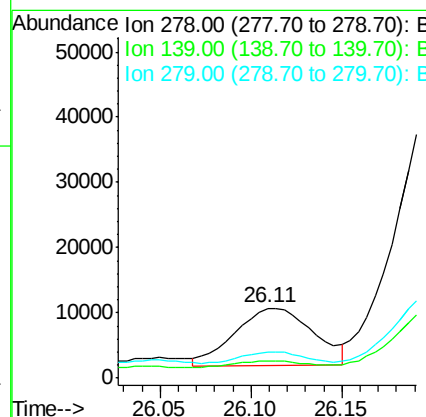
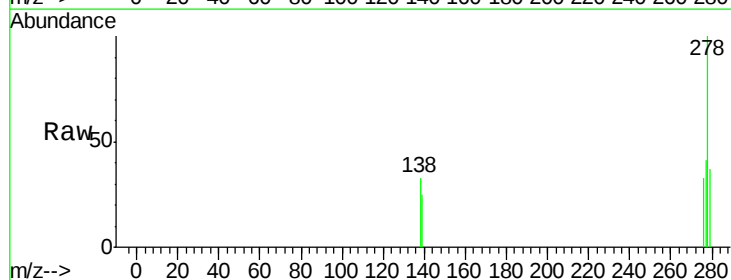
Instrument :
 BNA_E
 ClientSampleId :

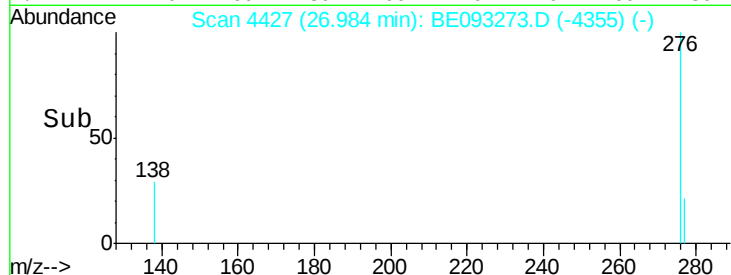
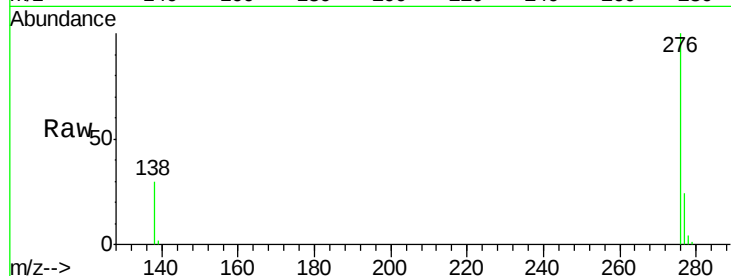
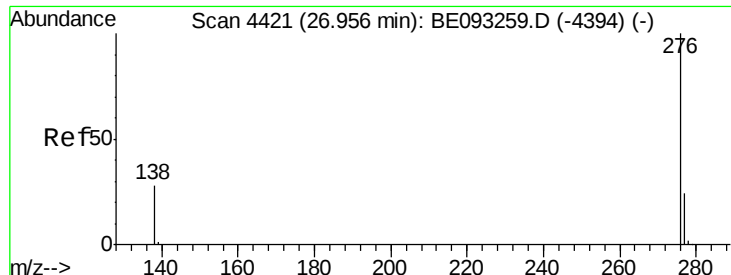
Tot Ion:276 Resp: 141367
 Ion Ratio Lower Upper
 276 100
 138 18.1 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.01 ng/ul
 RT: 26.11 min Scan# 4235
 Delta R.T. -0.09 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Tgt Ion:278 Resp: 26246
 Ion Ratio Lower Upper
 278 100
 139 24.6 17.4 26.0
 279 37.3 25.9 38.9





#26
 Benzo(a,h,i)perylene
 Concen: 0.22 ng/ul
 RT: 26.98 min Scan# 4427
 Delta R.T. 0.03 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	276	Resp:	416506
Ion Ratio	Lower	Upper	
276	100		
138	30.2	21.8	32.8
277	24.2	20.5	30.7

