

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093271.D
 Acq On : 20 Jun 2017 3:48
 Operator : SJ/MA
 Sample : I3599-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A87

Quant Time: Jun 20 09:35:45 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

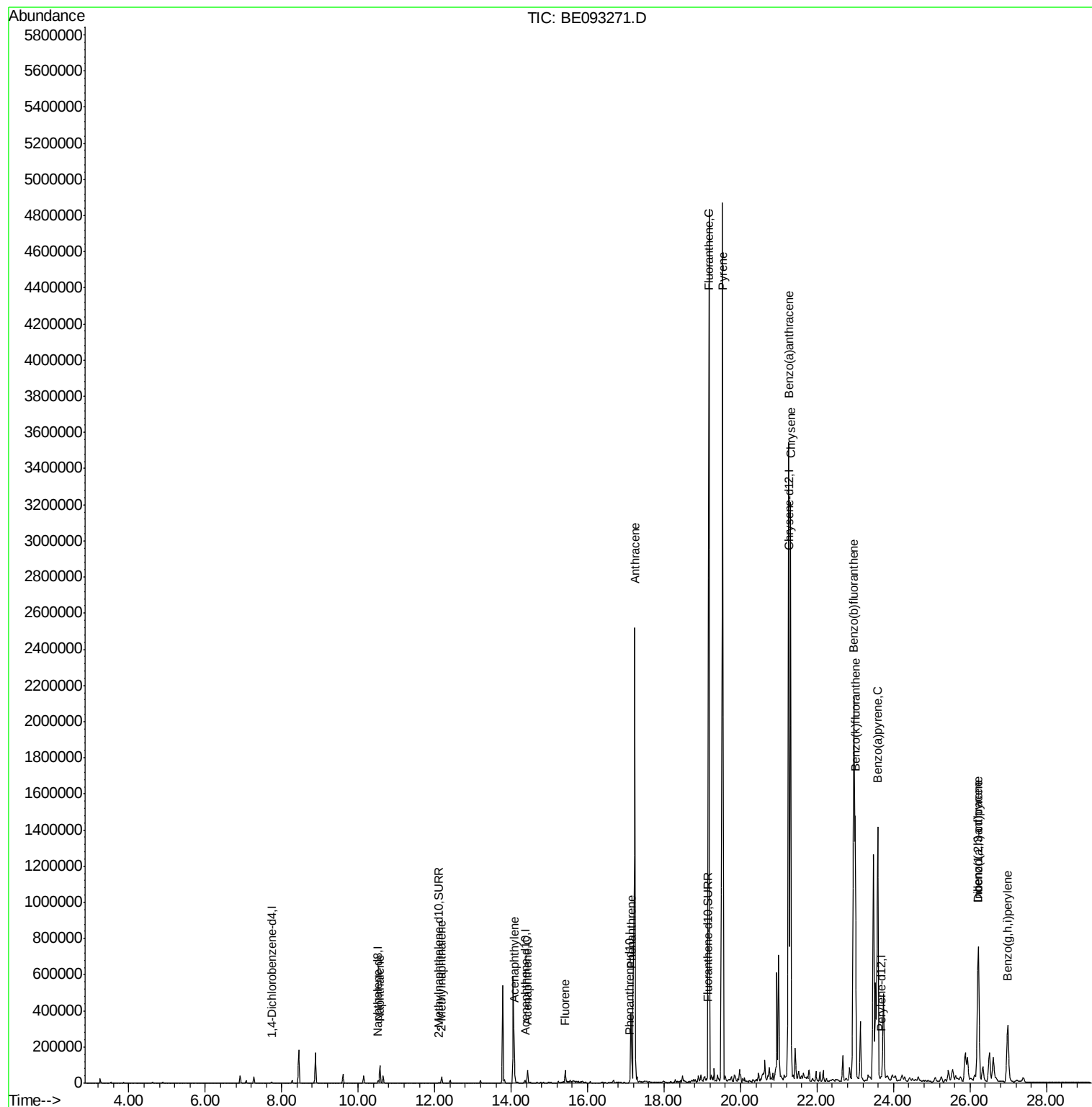
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2528	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13298	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8440	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19315	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	18794	0.40	ng/ul	0.01
20) Perylene-d12	23.68	264	24080m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4569	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	11343	0.22	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	143593	4.352	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	30556	1.354	ng/ul	98
7) Acenaphthylene	14.09	152	197990	5.466	ng/ul	95
8) Acenaphthene	14.42	153	43092	1.475	ng/ul	98
9) Fluorene	15.42	166	43378	1.266	ng/ul	94
12) Phenanthrene	17.13	178	430044	8.092	ng/ul#	87
13) Anthracene	17.24	178	2967279	64.128	ng/ul#	94
15) Fluoranthene	19.17	202	6080101	93.292	ng/ul	84
17) Pyrene	19.54	202	6121191	110.442	ng/ul#	89
18) Benzo(a)anthracene	21.26	228	3429029	68.401	ng/ul#	84
19) Chrysene	21.31	228	3664957	70.476	ng/ul	95
21) Benzo(b)fluoranthene	22.96	252	4344391m	59.450	ng/ul	
22) Benzo(k)fluoranthene	23.00	252	1464447m	18.869	ng/ul	
23) Benzo(a)pyrene	23.59	252	2138486m	30.949	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.22	276	1286291m	16.077	ng/ul	
25) Dibenzo(a,h)anthracene	26.23	278	408099m	6.057	ng/ul	
26) Benzo(g,h,i)perylene	26.99	276	708564	10.327	ng/ul	96

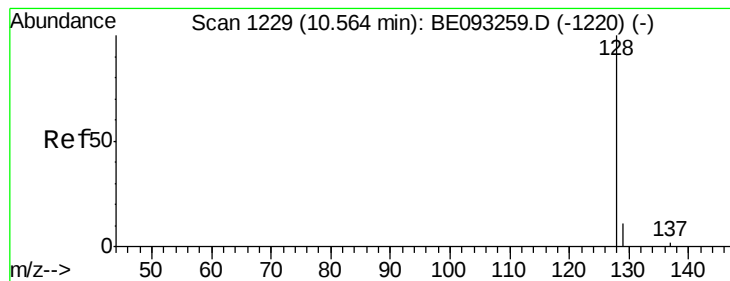
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.352 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

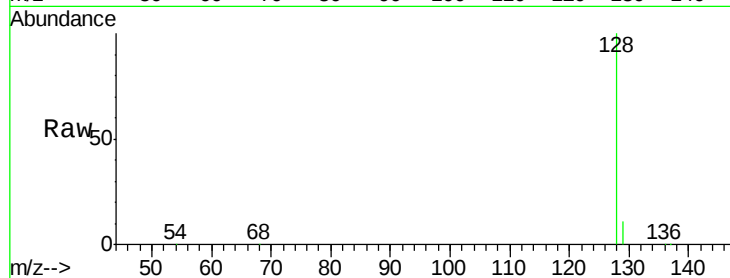
Tgt Ion:128 Resp: 143593

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

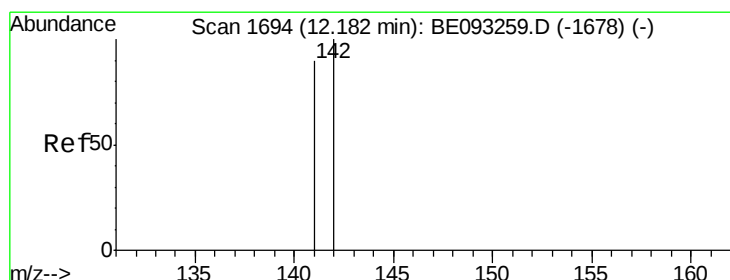
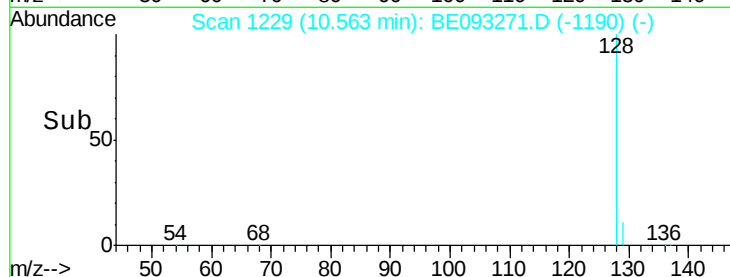
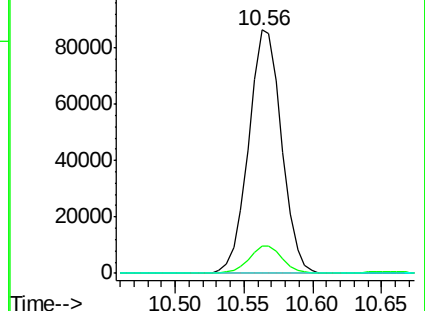
127 0.0 4.0 6.0#



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: 1.354 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093271.D

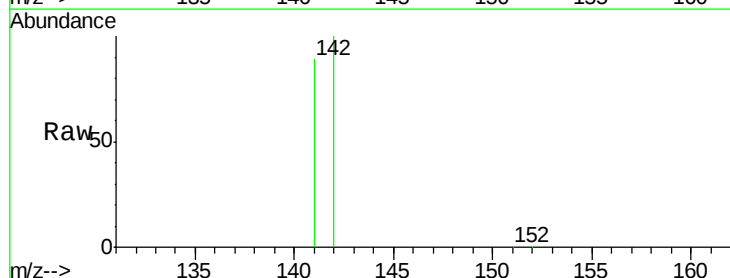
Acq: 20 Jun 2017 3:48

Tgt Ion:142 Resp: 30556

Ion Ratio Lower Upper

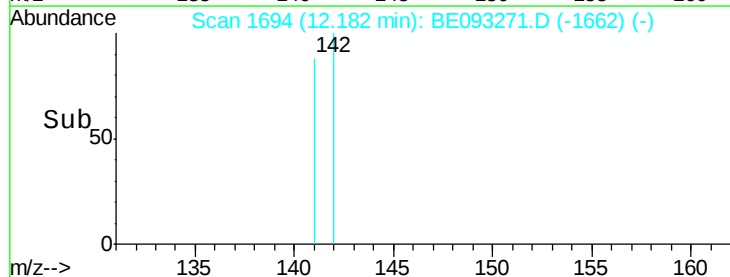
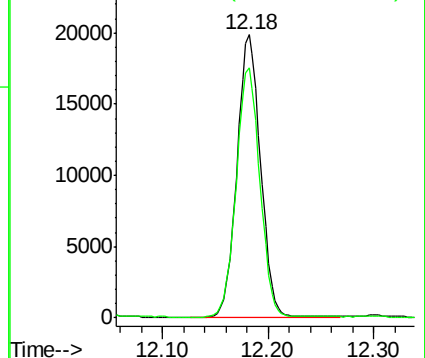
142 100

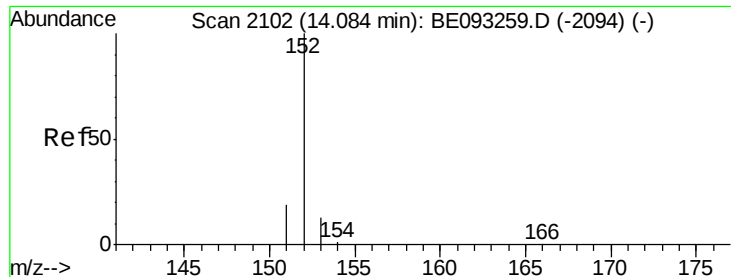
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.466 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

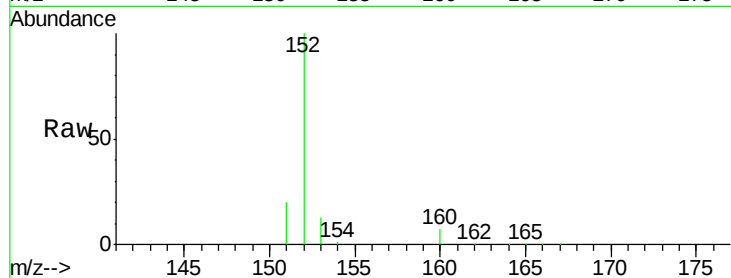
Tgt Ion:152 Resp: 197990

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

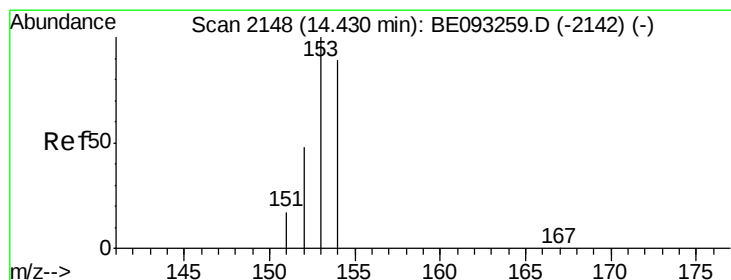
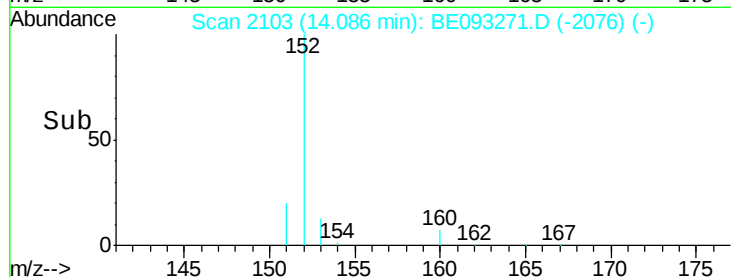
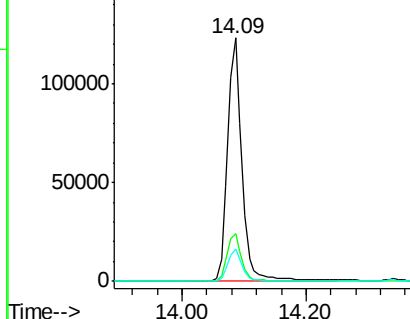
153 13.4 12.8 19.2



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



#8

Acenaphthene

Concen: 1.475 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

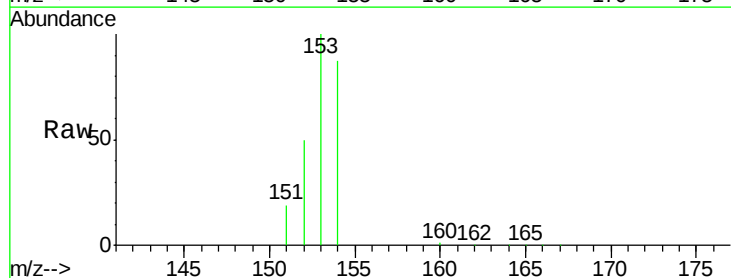
Tgt Ion:153 Resp: 43092

Ion Ratio Lower Upper

153 100

152 49.8 40.3 60.5

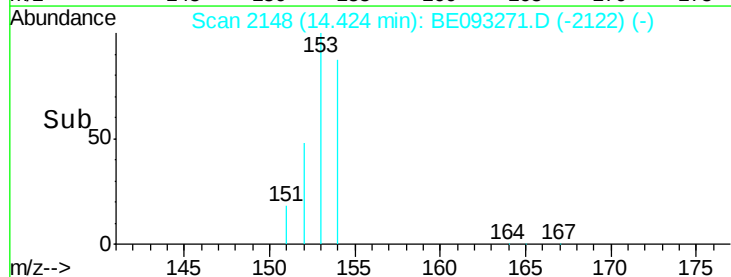
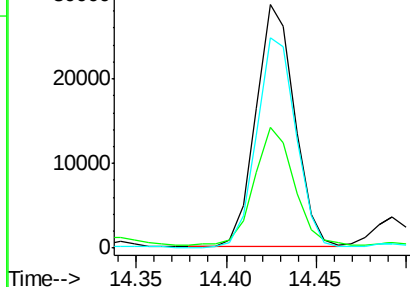
154 86.7 71.4 107.2

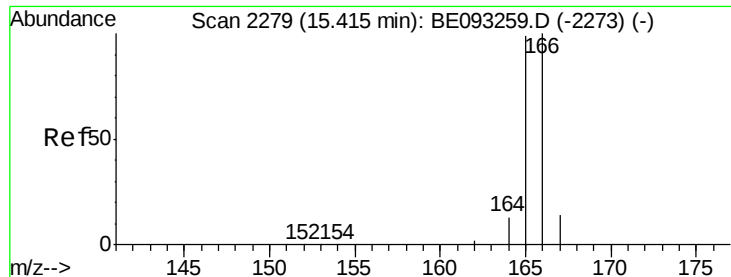


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.266 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

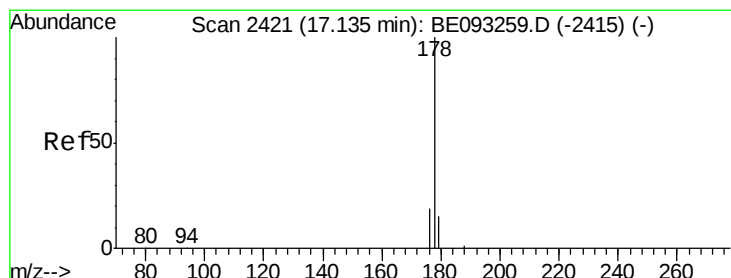
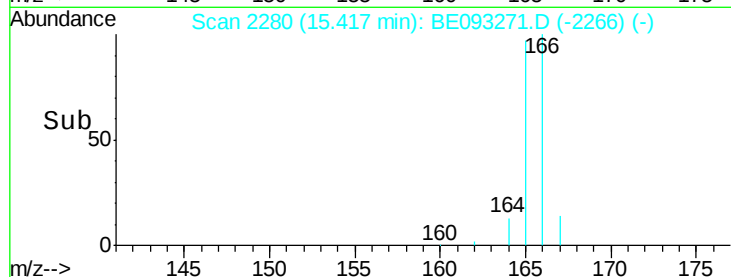
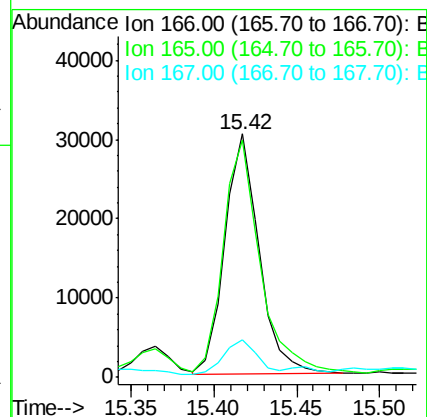
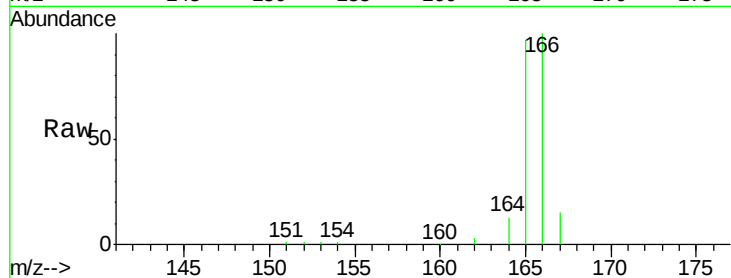
Tgt Ion:166 Resp: 43378

Ion Ratio Lower Upper

166 100

165 97.4 73.4 110.2

167 15.2 14.6 22.0



#12

Phenanthrene

Concen: 8.092 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

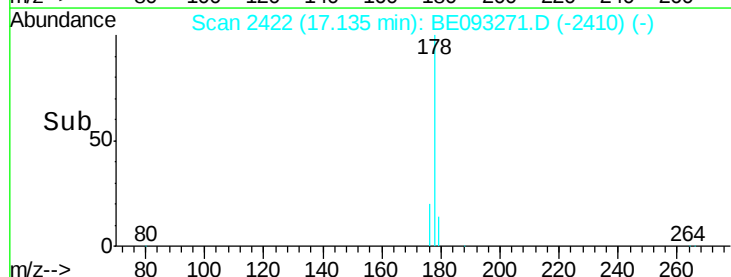
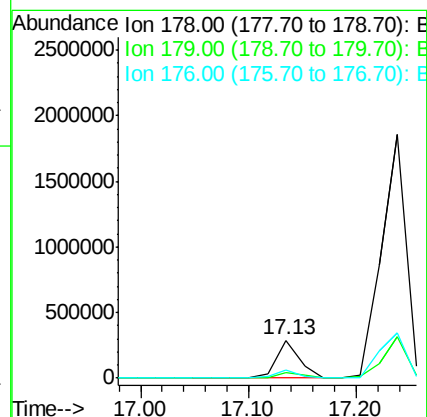
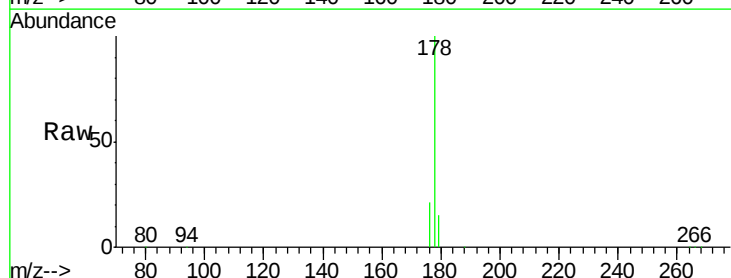
Tgt Ion:178 Resp: 430044

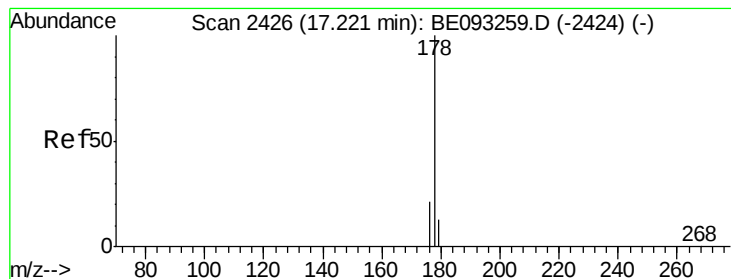
Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

176 20.5 13.6 20.4#





#13

Anthracene

Concen: 64.128 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

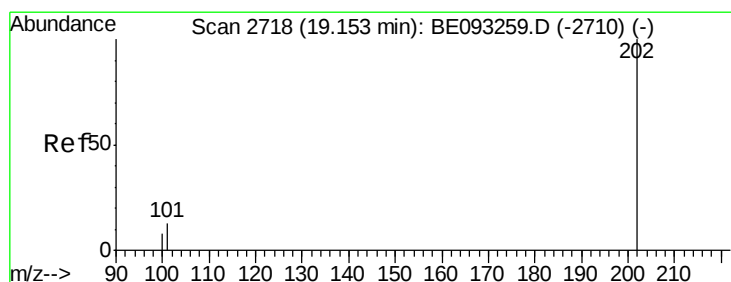
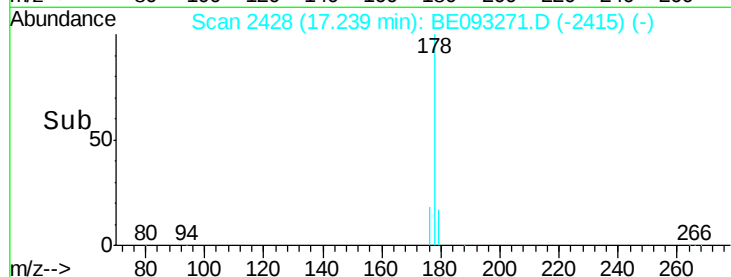
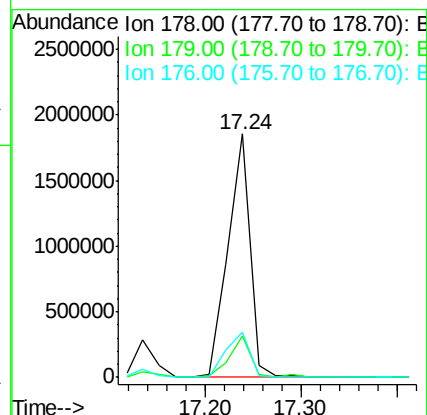
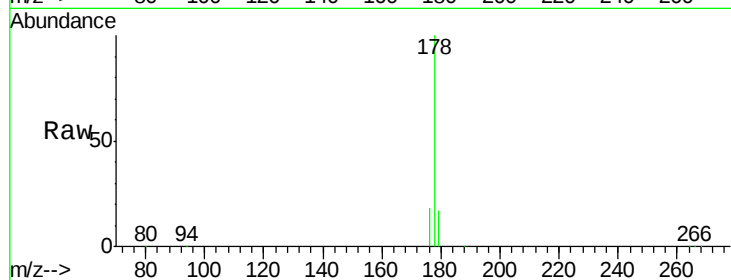
Tgt Ion:178 Resp: 2967279

Ion Ratio Lower Upper

178 100

179 17.1 18.1 27.1#

176 18.4 14.7 22.1



#15

Fluoranthene

Concen: 93.292 ng/ul

RT: 19.17 min Scan# 2723

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

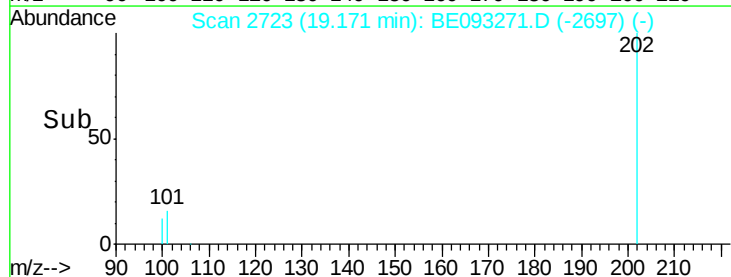
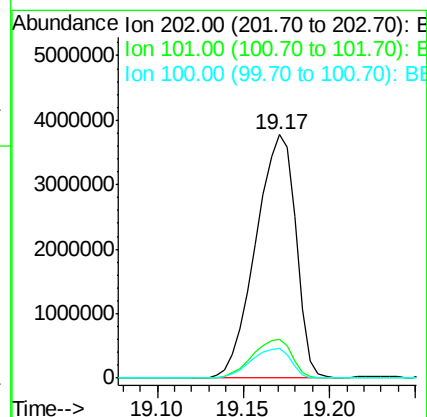
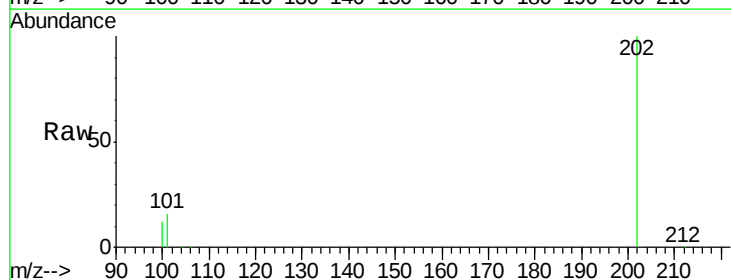
Tgt Ion:202 Resp: 6080101

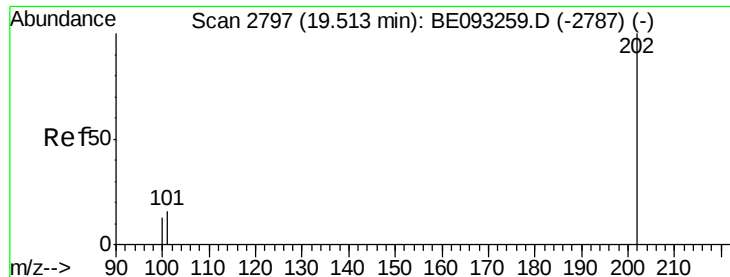
Ion Ratio Lower Upper

202 100

101 15.9 0.0 30.3

100 12.1 0.0 39.5

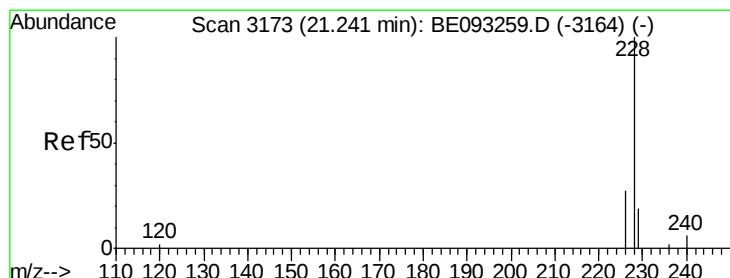
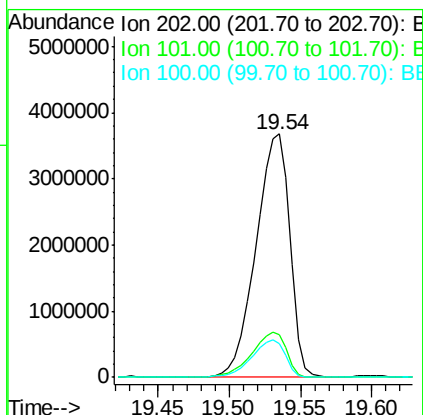
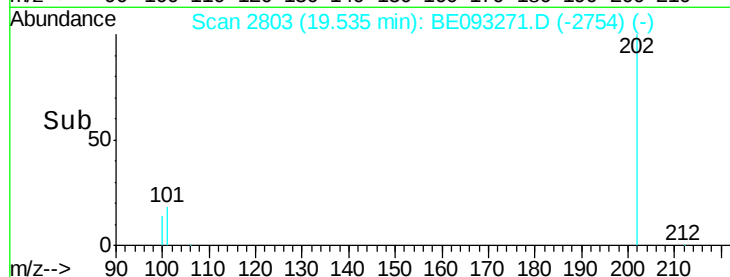
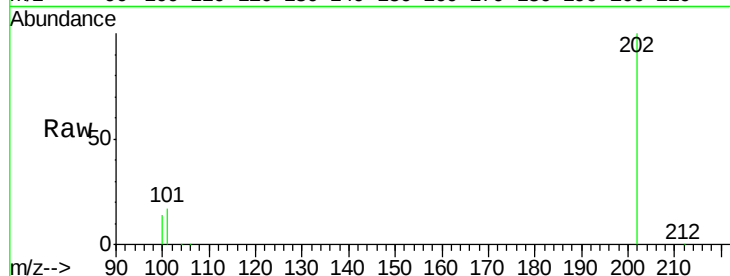




#17
Pyrene
Concen: 110.442 ng/ul
RT: 19.54 min Scan# 2803
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

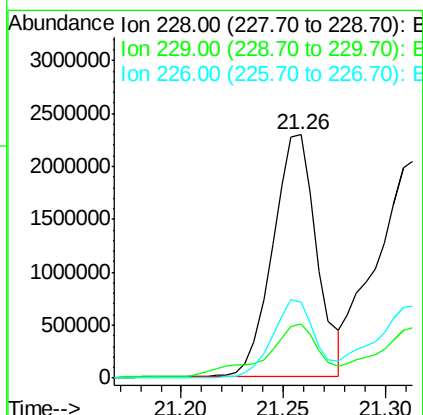
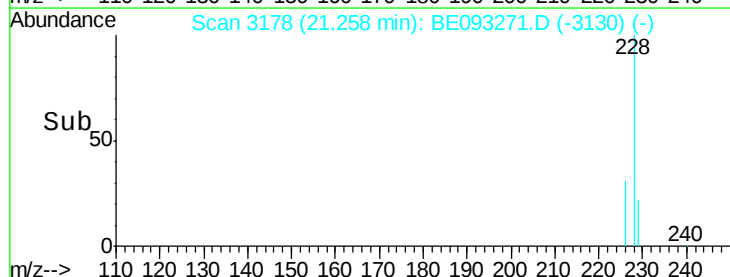
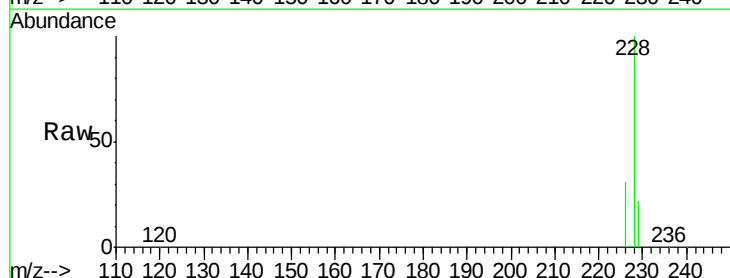
Instrument :
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ClientSampleId :
F5A87

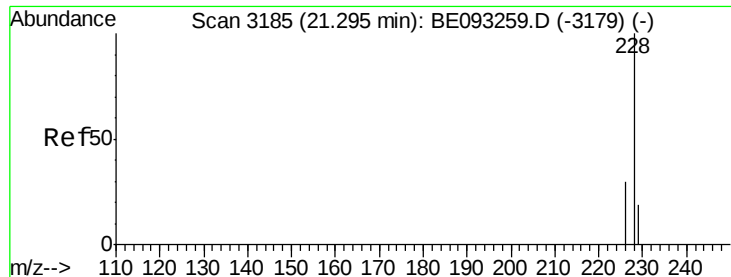
Tgt Ion:202 Resp: 6121191
Ion Ratio Lower Upper
202 100
101 17.5 18.2 27.4#
100 14.0 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 68.401 ng/ul
RT: 21.26 min Scan# 3178
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

Tgt Ion:228 Resp: 3429029
Ion Ratio Lower Upper
228 100
229 22.4 22.8 34.2#
226 31.3 17.0 25.6#





#19

Chrysene

Concen: 70.476 ng/ul

RT: 21.31 min Scan# 3190

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

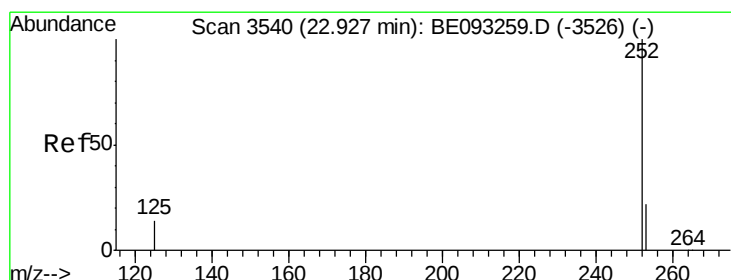
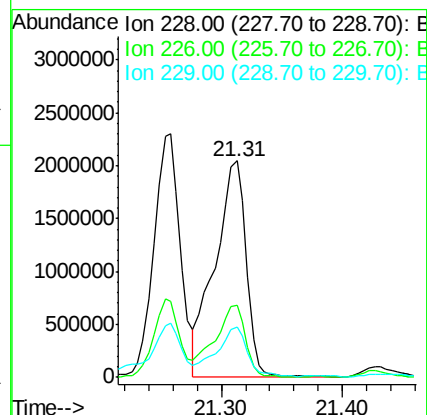
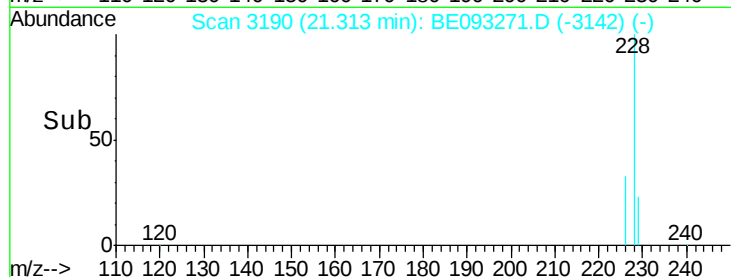
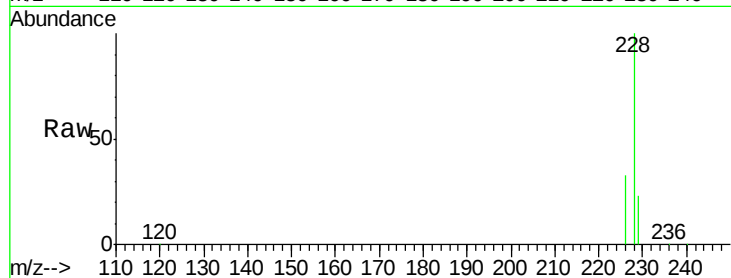
Tgt Ion:228 Resp: 3664957

Ion Ratio Lower Upper

228 100

226 33.5 23.4 35.0

229 23.1 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 59.450 ng/ul m

RT: 22.96 min Scan# 3549

Delta R.T. 0.04 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

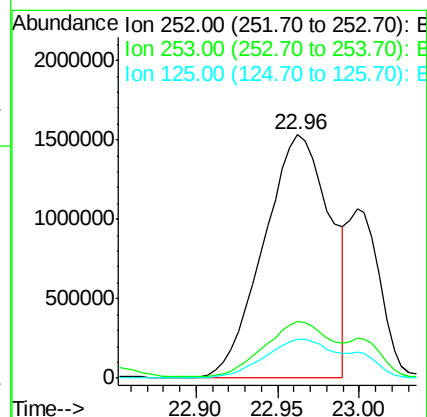
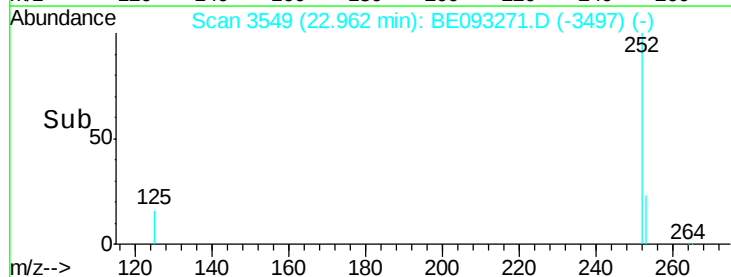
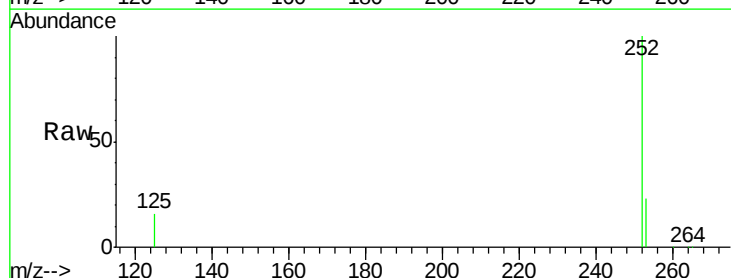
Tgt Ion:252 Resp: 4344391

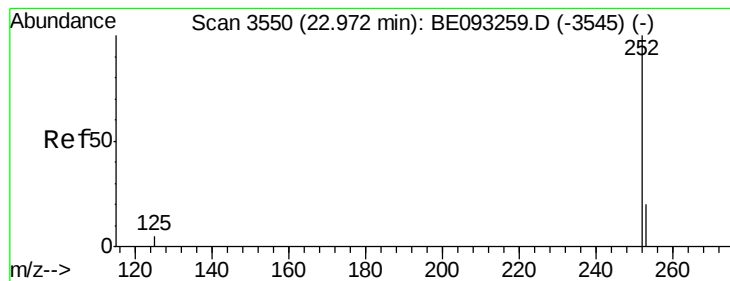
Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

125 15.9 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 18.869 ng/ul m

RT: 23.00 min Scan# 3557

Delta R.T. 0.03 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

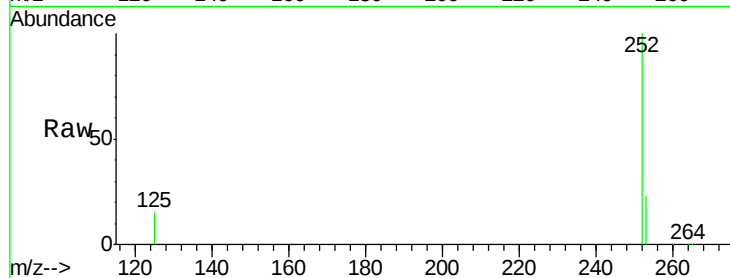
Tgt Ion:252 Resp: 1464447

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

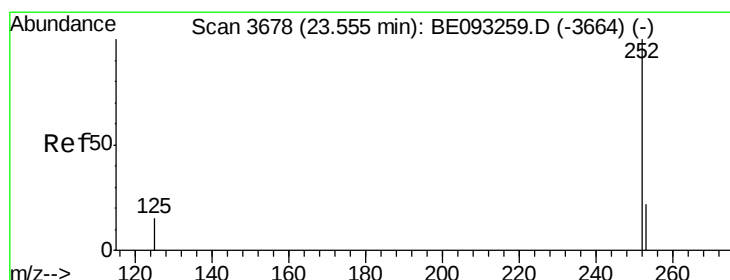
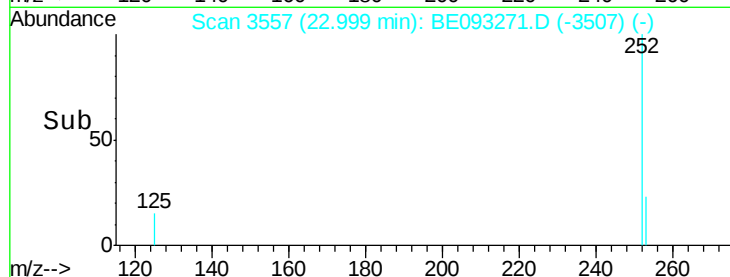
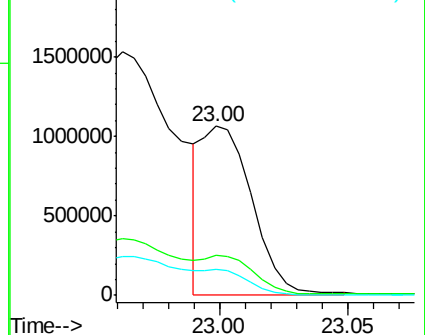
125 15.2 13.7 20.5



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: 30.949 ng/ul m

RT: 23.59 min Scan# 3686

Delta R.T. 0.03 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

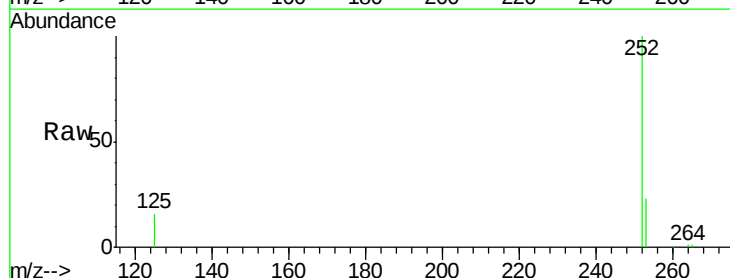
Tgt Ion:252 Resp: 2138486

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

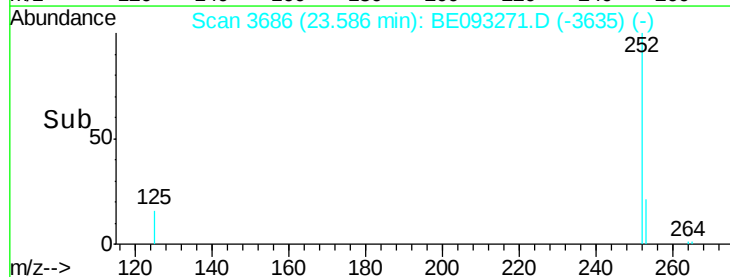
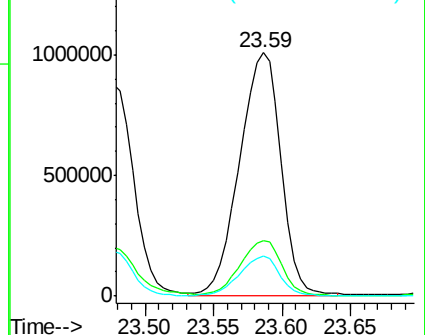
125 16.3 18.1 27.1#

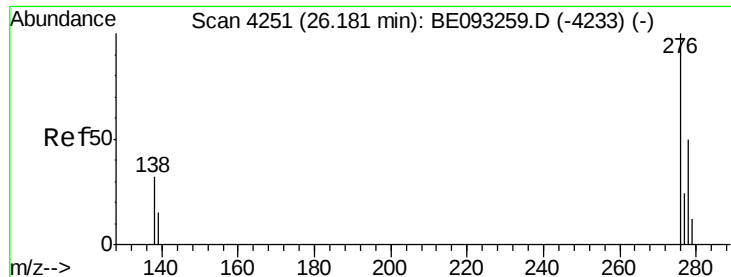


Abundance Ion 252.00 (251.70 to 252.70): E

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: 16.077 ng/ul m

RT: 26.22 min Scan# 4260

Delta R.T. 0.04 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

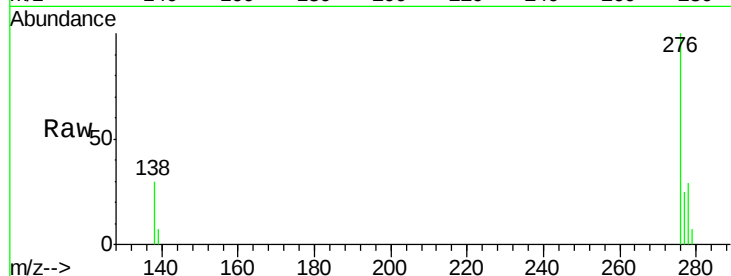
Tgt Ion:276 Resp: 1286291

Ion Ratio Lower Upper

276 100

138 2.8 28.0 42.0#

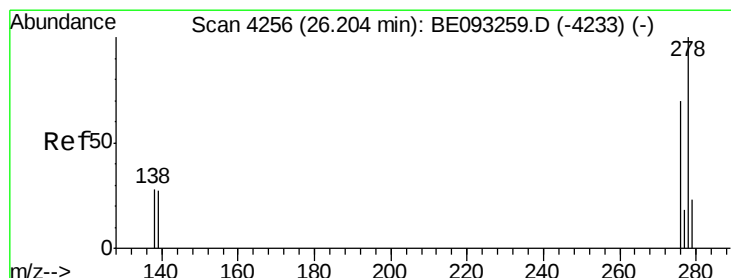
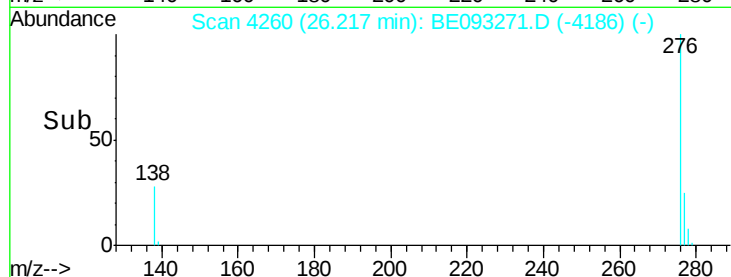
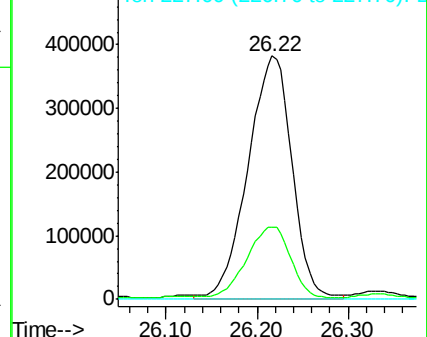
227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 6.057 ng/ul m

RT: 26.23 min Scan# 4262

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

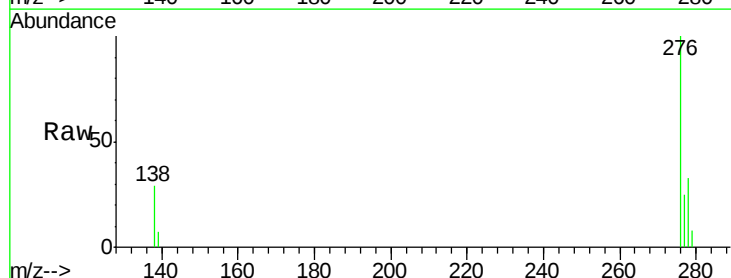
Tgt Ion:278 Resp: 408099

Ion Ratio Lower Upper

278 100

139 22.6 17.4 26.0

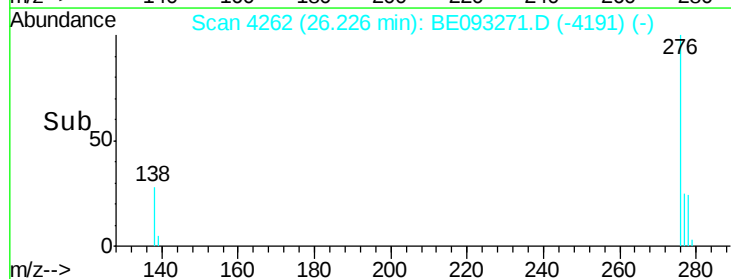
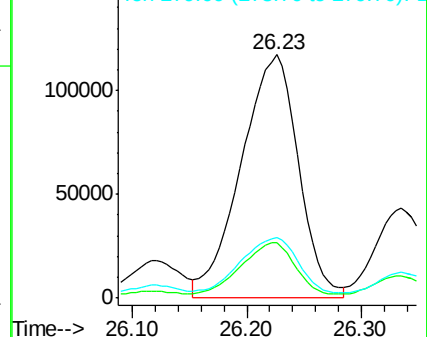
279 24.9 25.9 38.9#

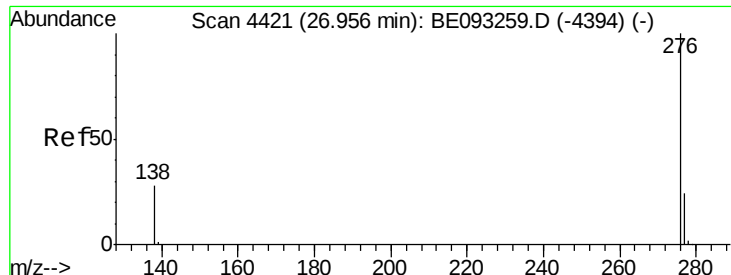


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 10.327 ng/u1

RT: 26.99 min Scan# 4429

Delta R.T. 0.03 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

F5A87

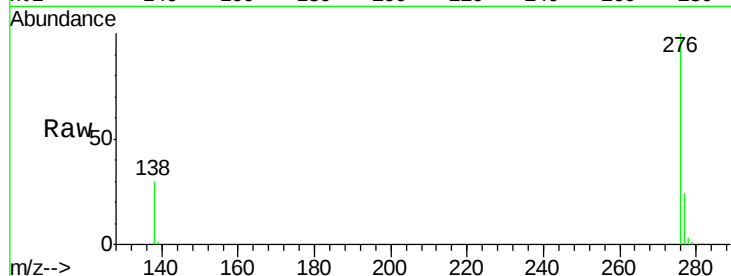
Tgt Ion:276 Resp: 708564

Ion Ratio Lower Upper

276 100

138 29.6 21.8 32.8

277 24.3 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

