

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093231.D
 Acq On : 16 Jun 2017 5:07
 Operator : SJ/MA
 Sample : I3520-14DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 06:39:02 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 05:36:31 2017
 Response via : Initial Calibration

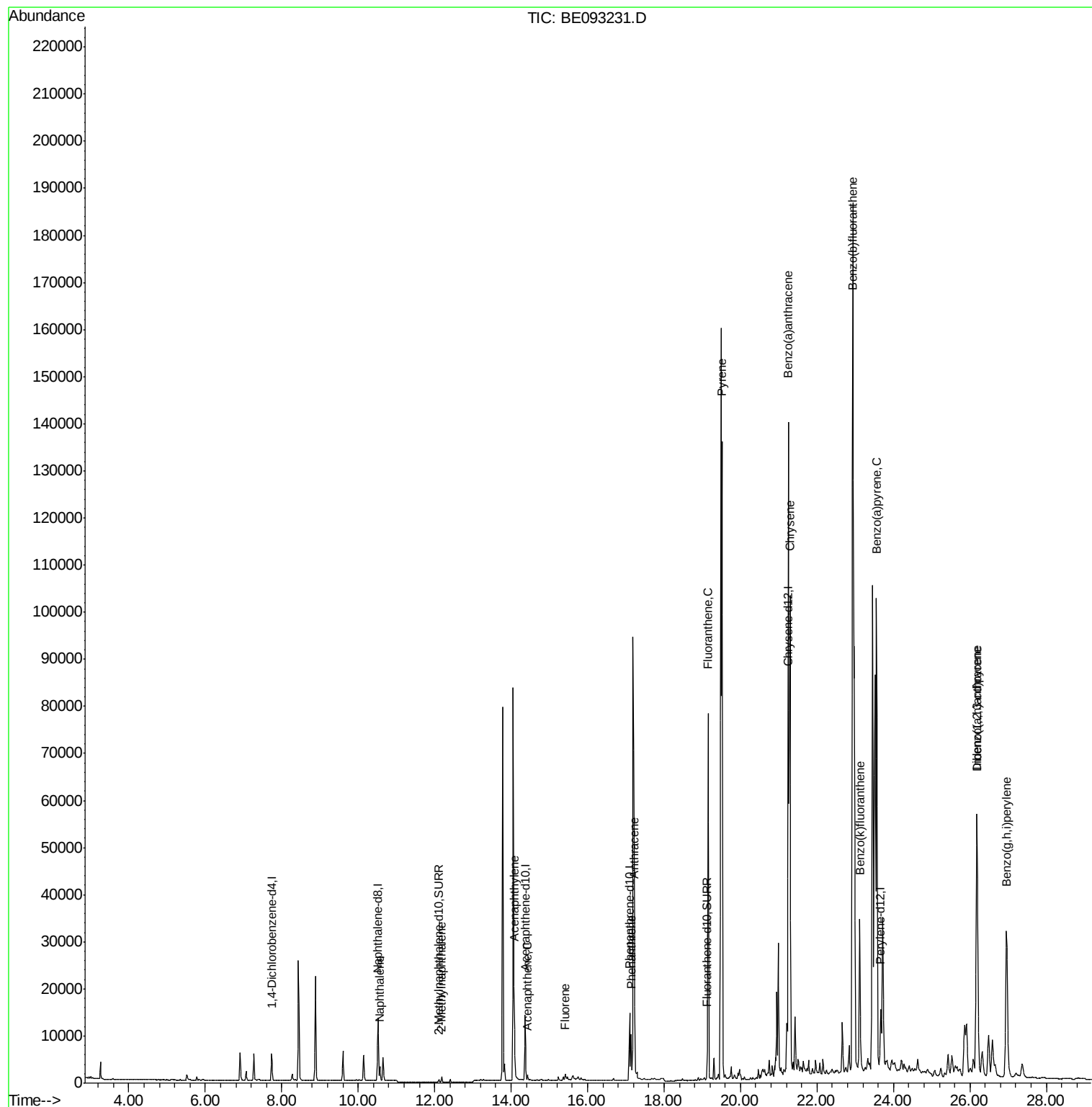
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2810	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13890	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7784	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	18108	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	19857	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	16504	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	681	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1635	0.03	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.57	128	4444	0.13	ng/ul#	94
5) 2-Methylnaphthalene	12.18	142	972	0.04	ng/ul	98
7) Acenaphthylene	14.09	152	17827	0.53	ng/ul	96
8) Acenaphthene	14.43	153	663	0.02	ng/ul#	91
9) Fluorene	15.42	166	923	0.03	ng/ul#	83
12) Phenanthrene	17.14	178	10306	0.21	ng/ul#	89
13) Anthracene	17.22	178	39044	0.90	ng/ul#	88
15) Fluoranthene	19.16	202	83766	1.37	ng/ul	83
17) Pyrene	19.52	202	138002	2.36	ng/ul#	82
18) Benzo(a)anthracene	21.24	228	114610	2.16	ng/ul#	86
19) Chrysene	21.29	228	130409	2.37	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	418160	8.35	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	39605	0.74	ng/ul	96
23) Benzo(a)pyrene	23.56	252	143852	3.04	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	92483	1.69	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	24719	0.54	ng/ul	91
26) Benzo(a,h,i)perylene	26.96	276	68285	1.45	ng/ul	96

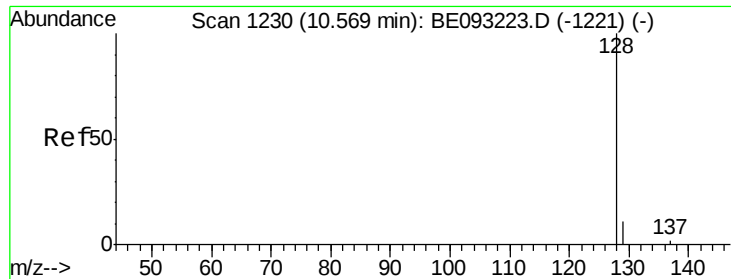
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 16 05:36:31 2017
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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampleId :

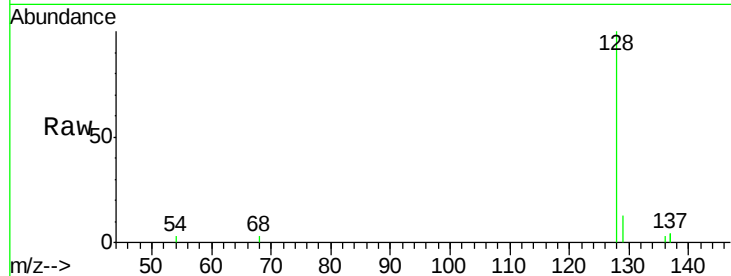
Tot Ion:128 Resp: 4444

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

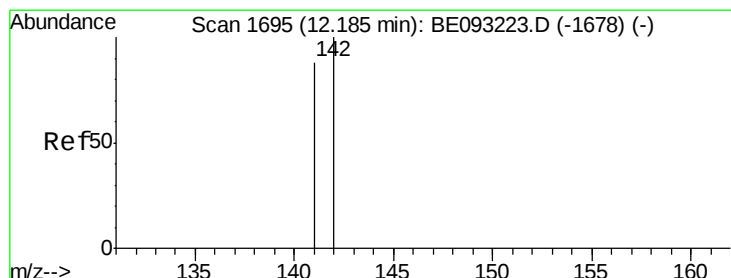
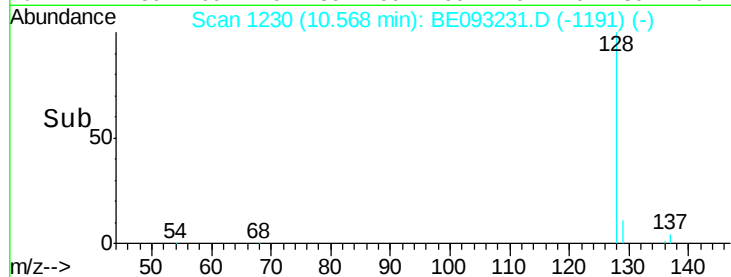
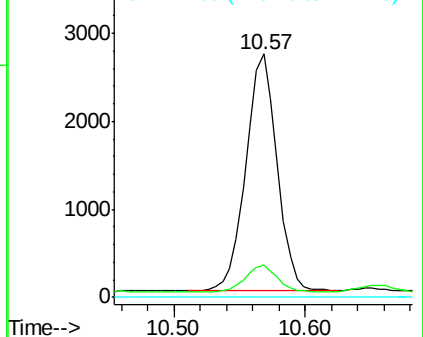
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093231.D

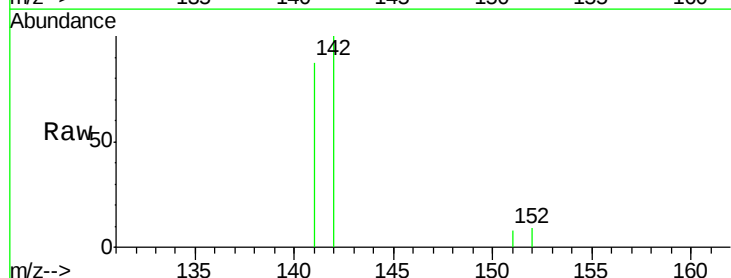
Acq: 16 Jun 2017 5:07

Tgt Ion:142 Resp: 972

Ion Ratio Lower Upper

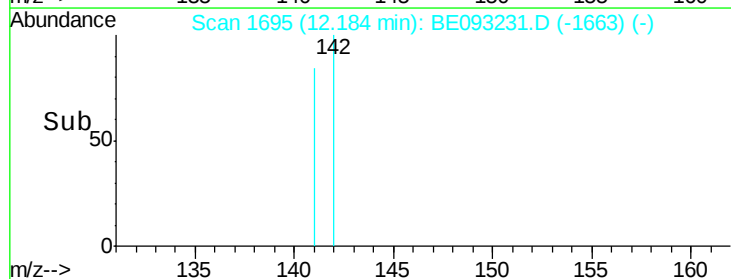
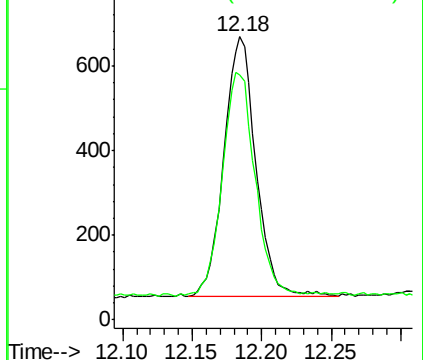
142 100

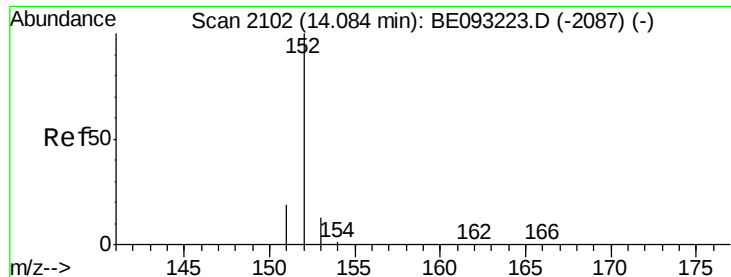
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.53 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampleId :

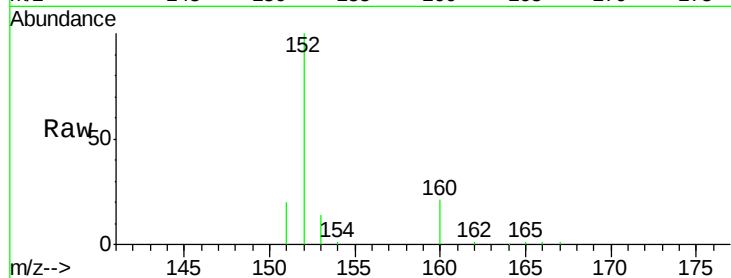
Tot Ion:152 Resp: 17827

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

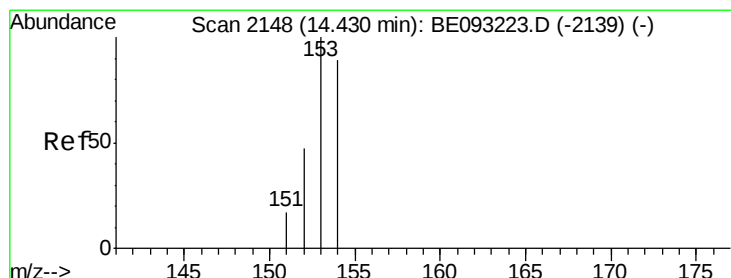
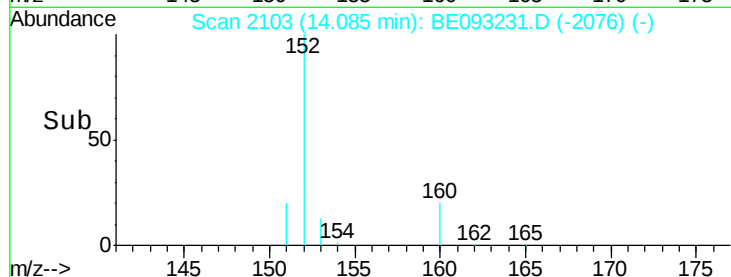
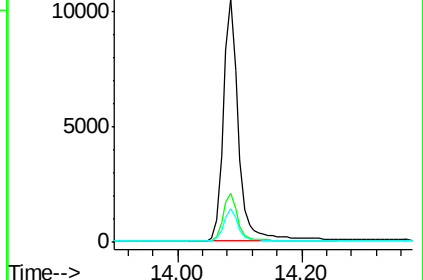
153 13.7 12.8 19.2



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: 0.02 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

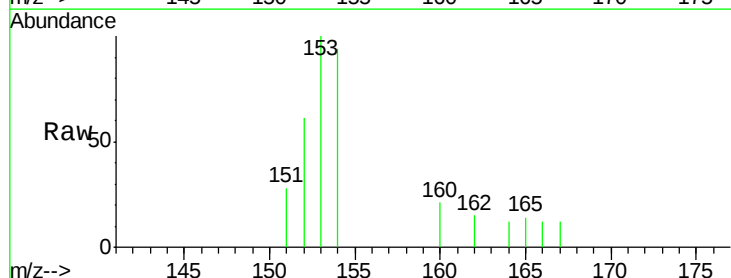
Tgt Ion:153 Resp: 663

Ion Ratio Lower Upper

153 100

152 60.9 40.3 60.5#

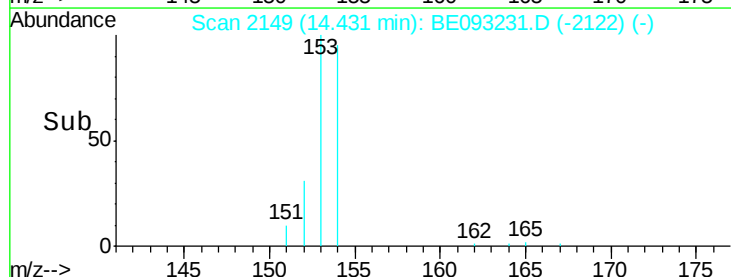
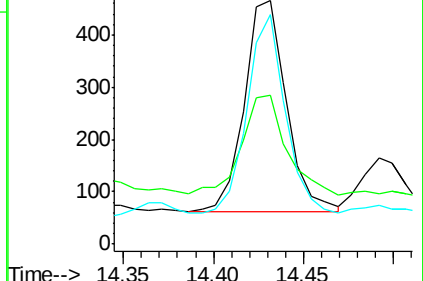
154 94.2 71.4 107.2

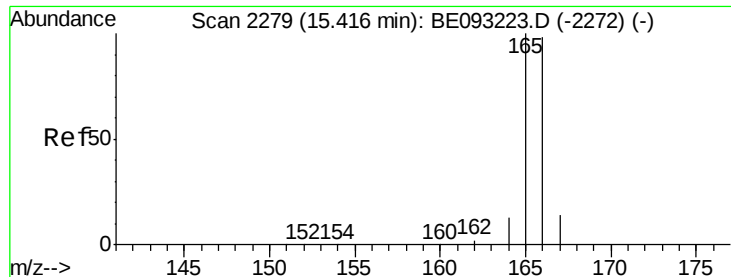


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampleId :

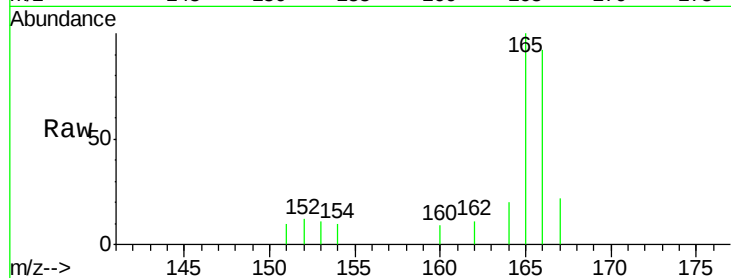
Tot Ion:166 Resp: 923

Ion Ratio Lower Upper

166 100

165 109.1 73.4 110.2

167 24.5 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.42

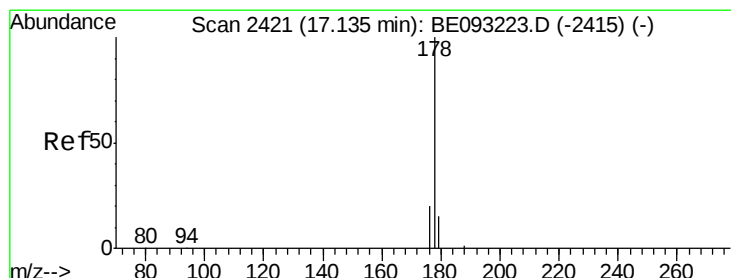
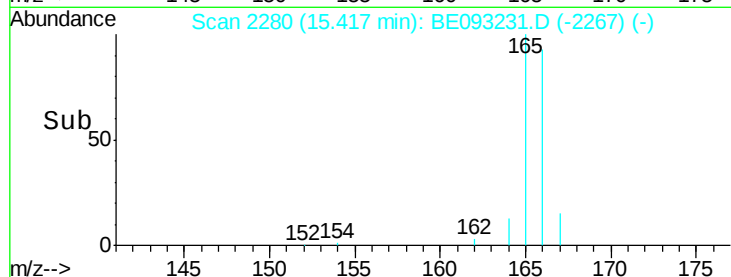
400

200

0

15.35 15.40 15.45 15.50

Time-->



#12

Phenanthrene

Concen: 0.21 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

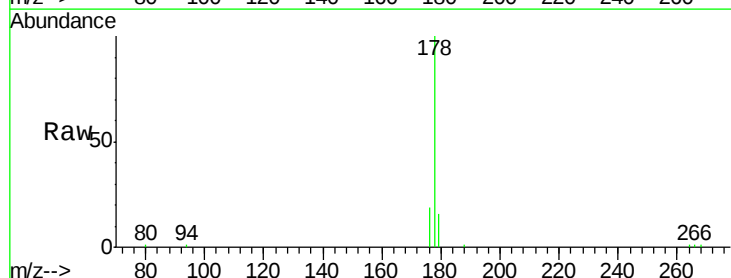
Tgt Ion:178 Resp: 10306

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

176 19.4 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

17.14

30000

25000

20000

15000

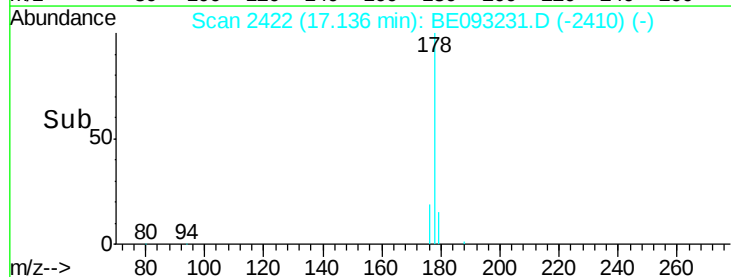
10000

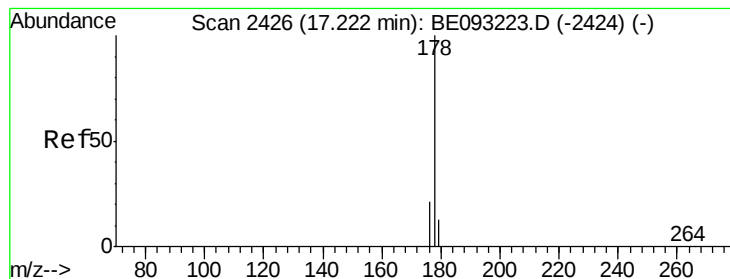
5000

0

17.00 17.10 17.20

Time-->





#13

Anthracene

Concen: 0.90 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampleId :

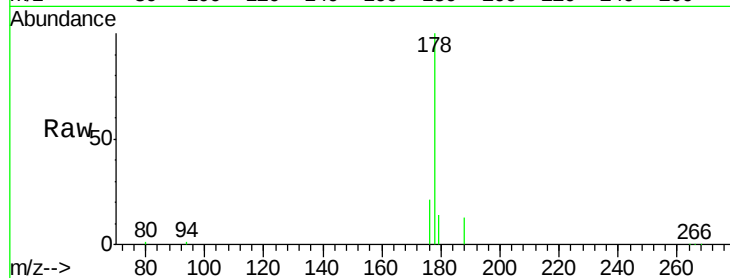
Tot Ion:178 Resp: 39044

Ion Ratio Lower Upper

178 100

179 14.3 18.1 27.1#

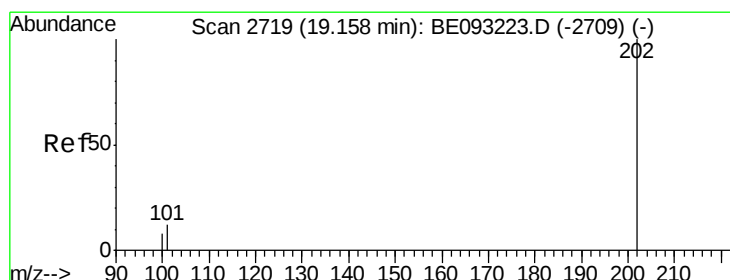
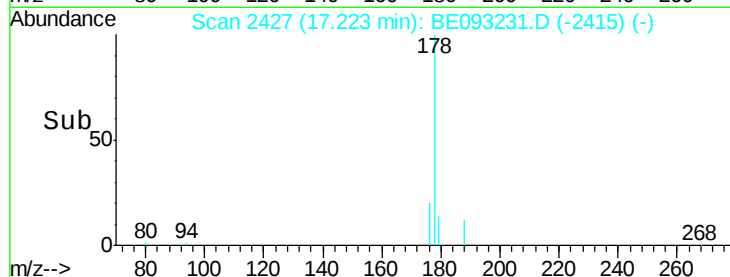
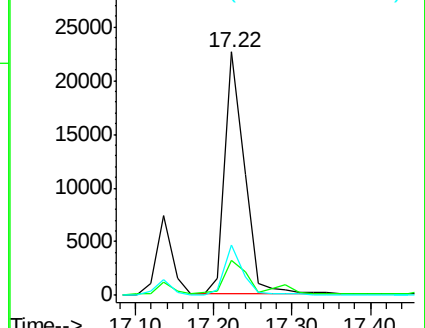
176 20.6 14.7 22.1



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: 1.37 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

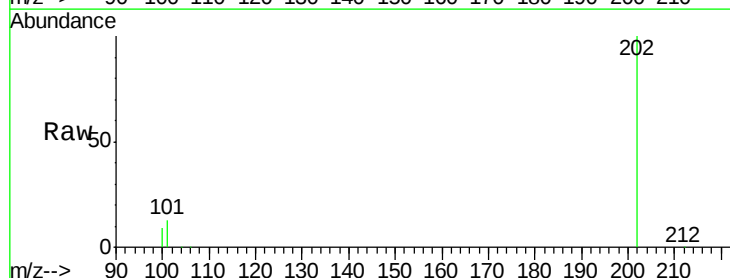
Tgt Ion:202 Resp: 83766

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.3

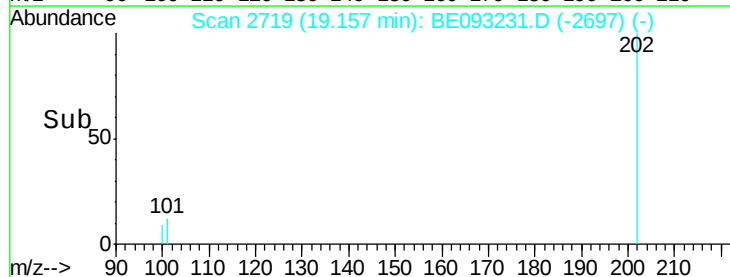
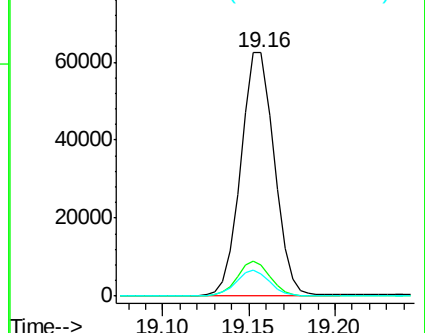
100 9.0 0.0 39.5

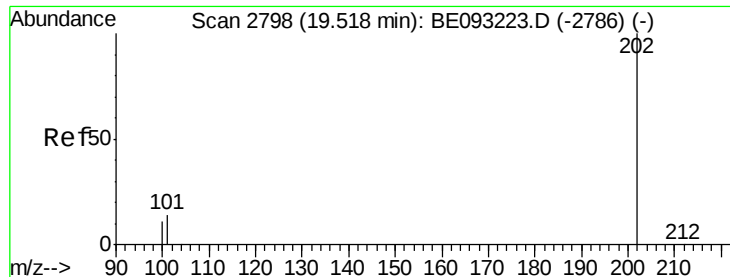


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pvrene

Concen: 2.36 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampled :

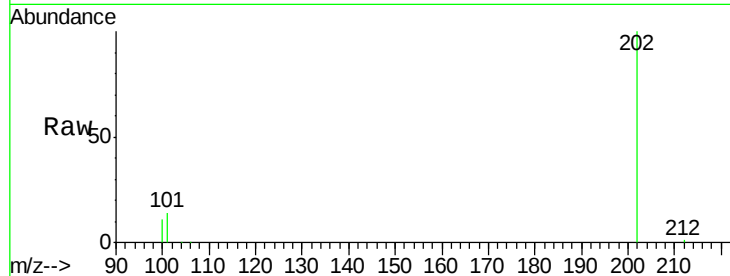
Tot Ion:202 Resp: 138002

Ion Ratio Lower Upper

202 100

101 14.4 18.2 27.4#

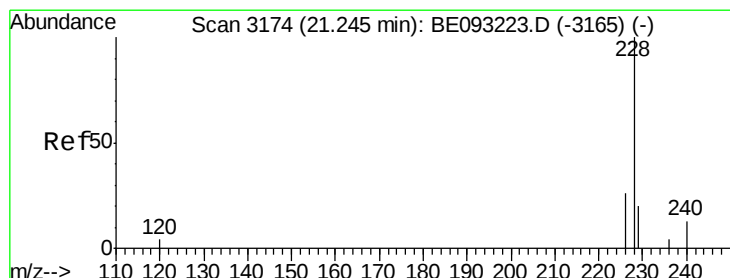
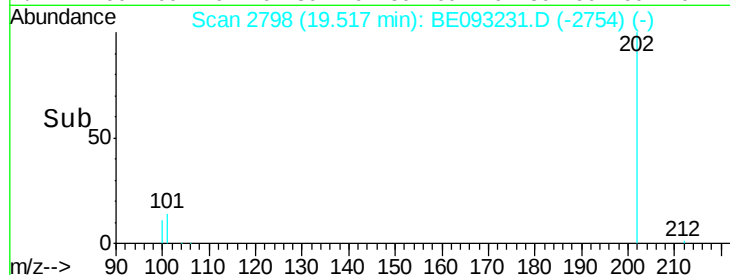
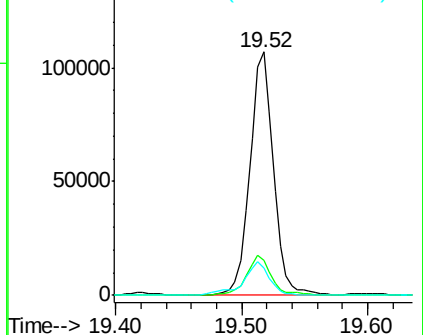
100 11.3 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 2.16 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

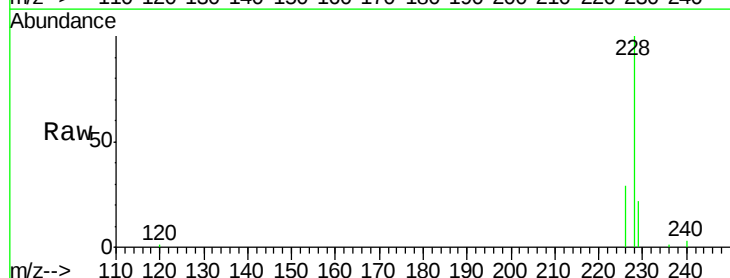
Tgt Ion:228 Resp: 114610

Ion Ratio Lower Upper

228 100

229 22.0 22.8 34.2#

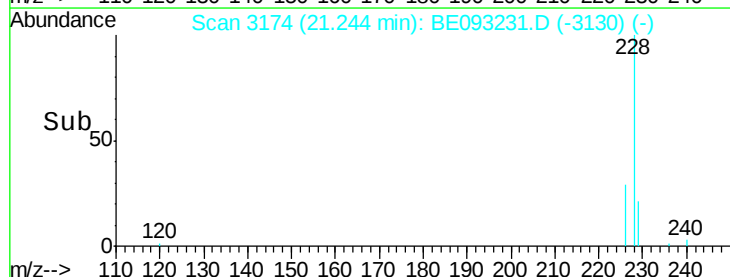
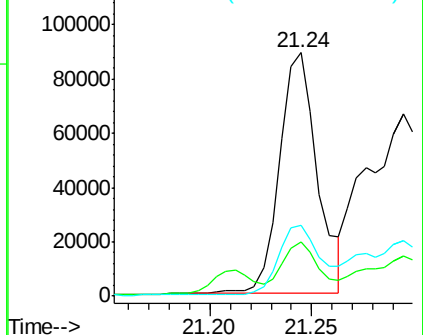
226 29.2 17.0 25.6#

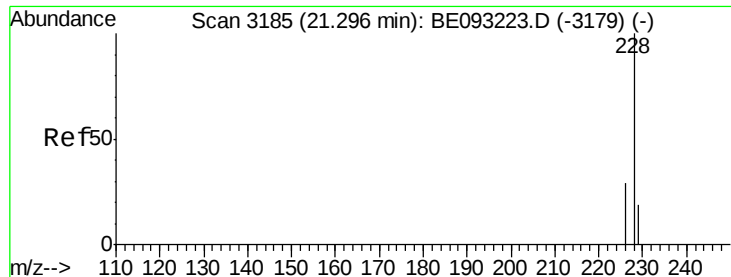


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.37 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampled :

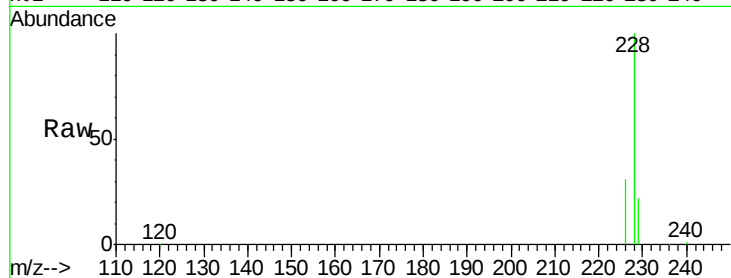
Tot Ion:228 Resp: 130409

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

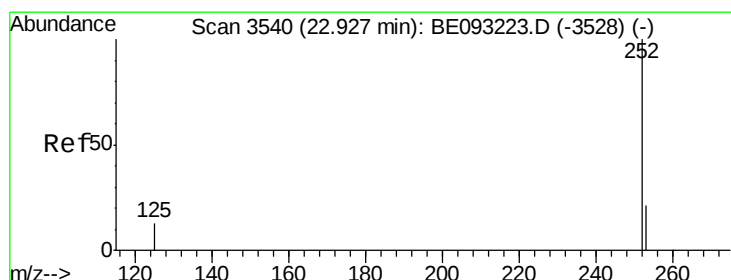
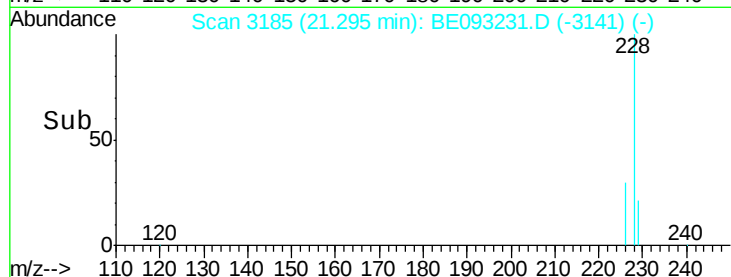
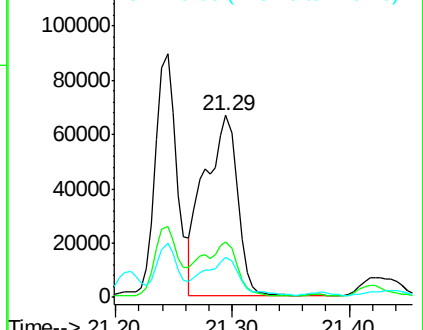
229 22.1 17.7 26.5



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: 8.35 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

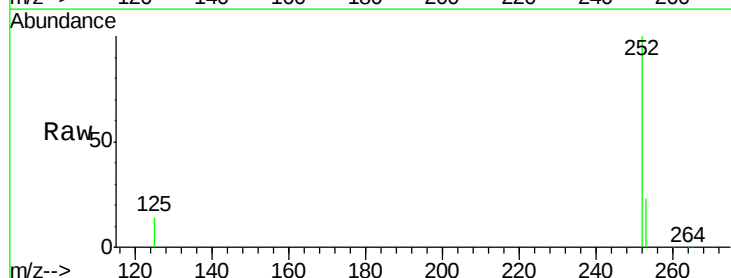
Tgt Ion:252 Resp: 418160

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

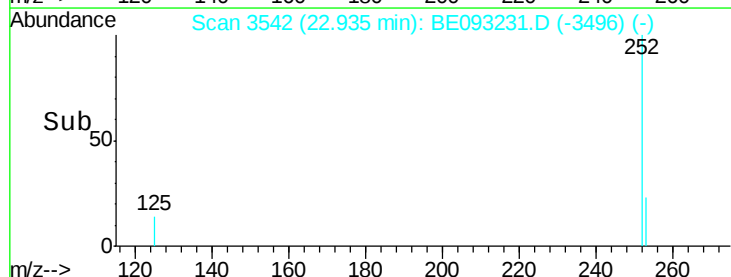
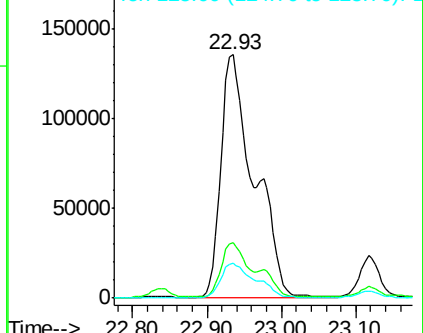
125 14.4 0.0 35.0

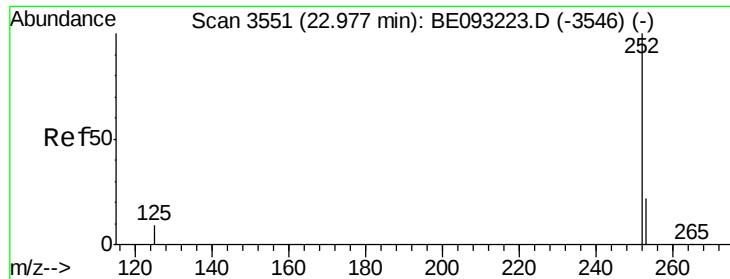


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.74 ng/ul

RT: 23.12 min Scan# 3582

Delta R.T. 0.14 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

Instrument :

BNA_E

ClientSampleId :

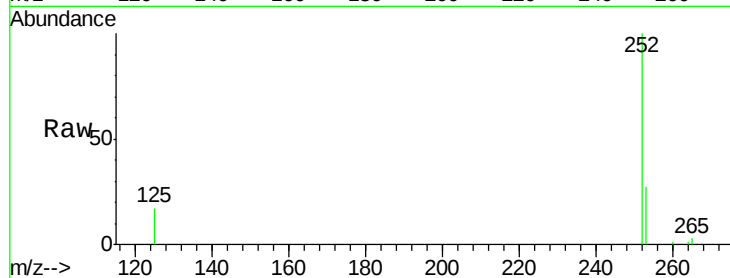
Tot Ion:252 Resp: 39605

Ion Ratio Lower Upper

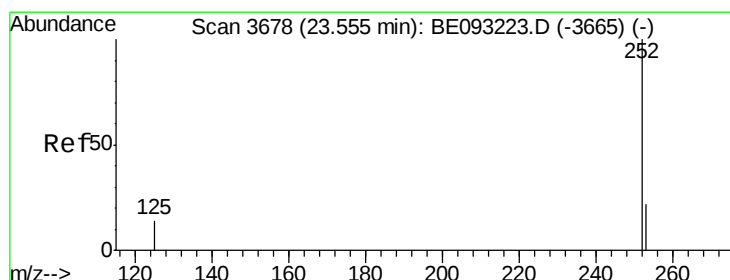
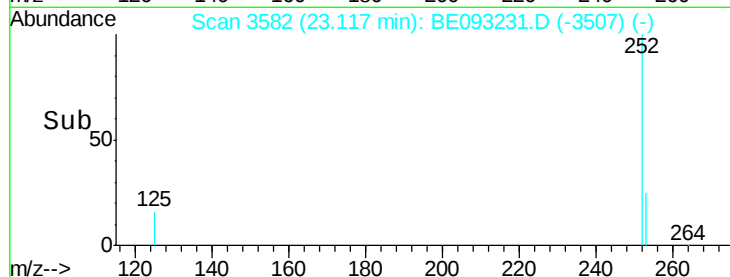
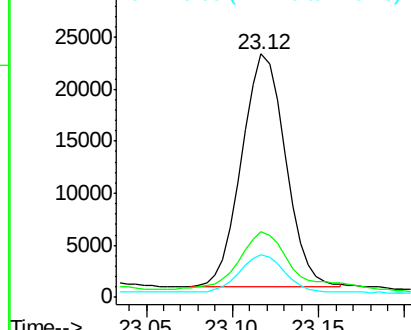
252 100

253 27.0 24.5 36.7

125 17.4 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: 3.04 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093231.D

Acq: 16 Jun 2017 5:07

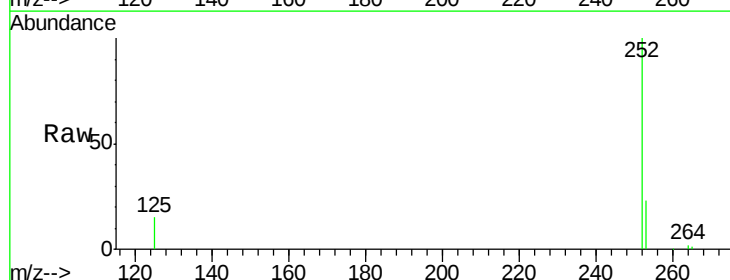
Tgt Ion:252 Resp: 143852

Ion Ratio Lower Upper

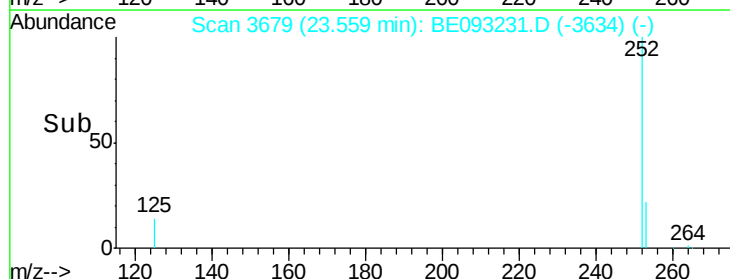
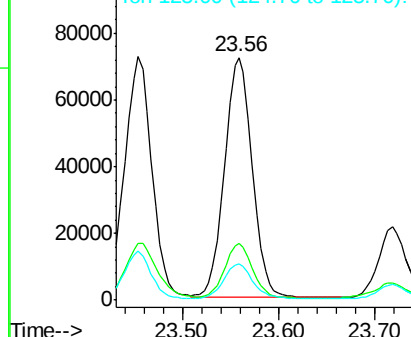
252 100

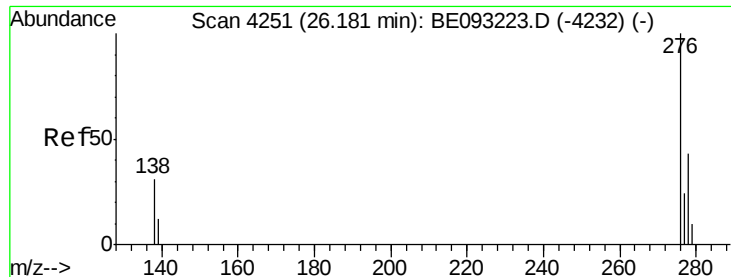
253 23.3 28.5 42.7#

125 15.0 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

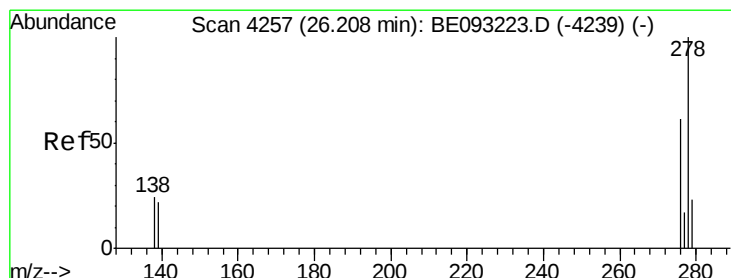
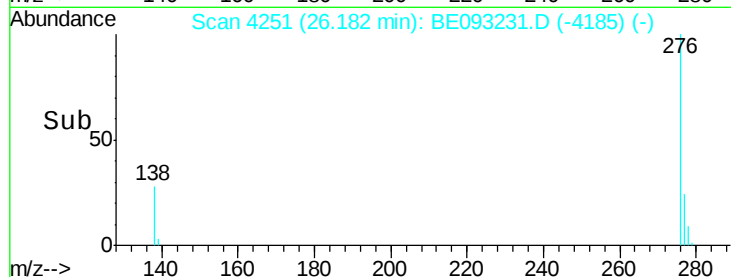
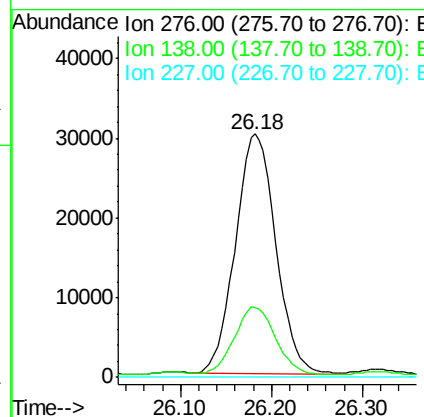
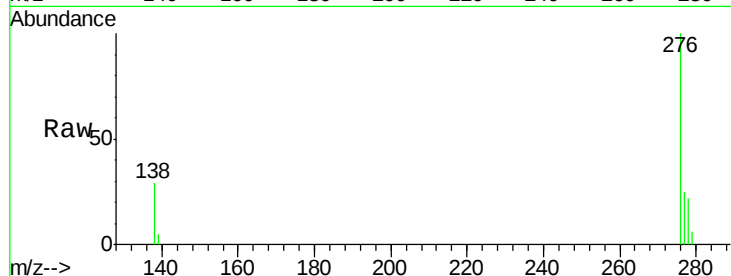




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.69 ng/ul
 RT: 26.18 min Scan# 4251
 Delta R.T. 0.00 min
 Lab File: BE093231.D
 Acq: 16 Jun 2017 5:07

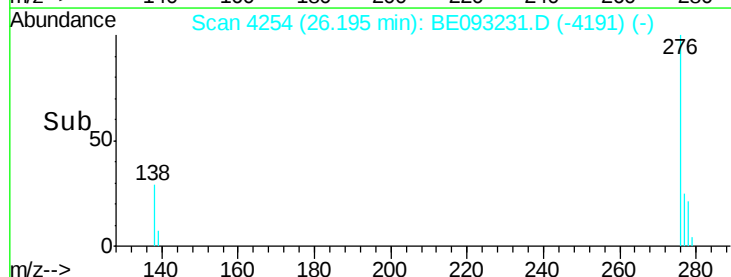
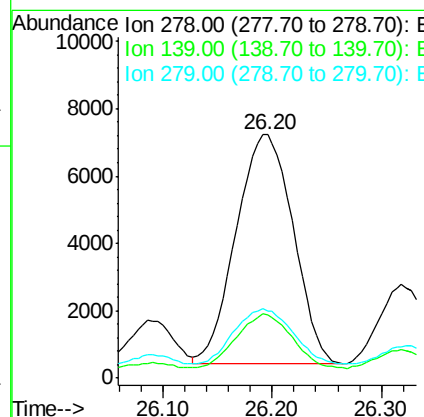
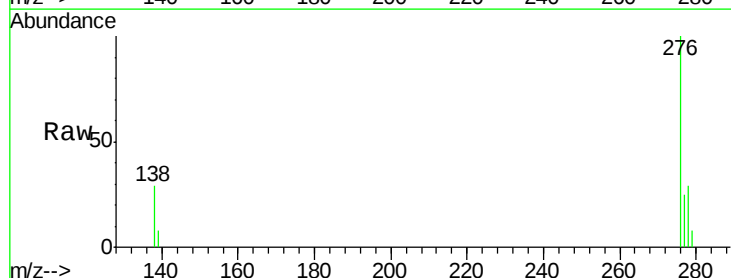
Instrument :
 BNA_E
 ClientSampleId :

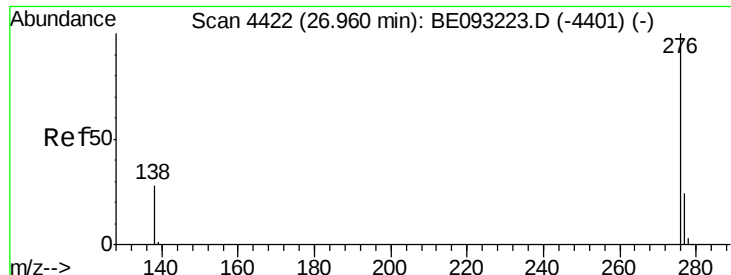
Tot Ion:276 Resp: 92483
 Ion Ratio Lower Upper
 276 100
 138 29.5 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.54 ng/ul
 RT: 26.20 min Scan# 4254
 Delta R.T. -0.01 min
 Lab File: BE093231.D
 Acq: 16 Jun 2017 5:07

Tgt Ion:278 Resp: 24719
 Ion Ratio Lower Upper
 278 100
 139 25.9 17.4 26.0
 279 27.5 25.9 38.9

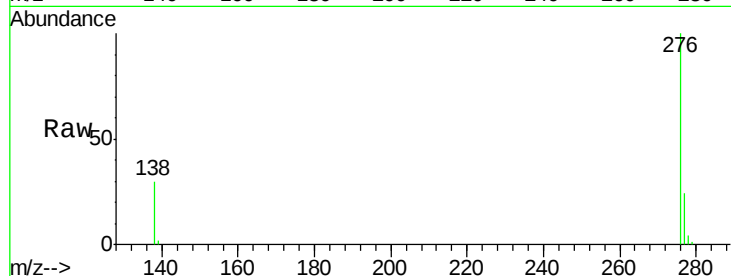




#26
 Benzo(a,h,i)perylene
 Concen: 1.45 ng/ul
 RT: 26.96 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: BE093231.D
 Acq: 16 Jun 2017 5:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.8
277	24.1	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

