

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093208.D
 Acq On : 15 Jun 2017 15:00
 Operator : SJ/MA
 Sample : I3522-17DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:43:07 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	2967	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16567	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25331	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	25407	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	26112	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	1417	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	3672	0.05	ng/ul	0.00

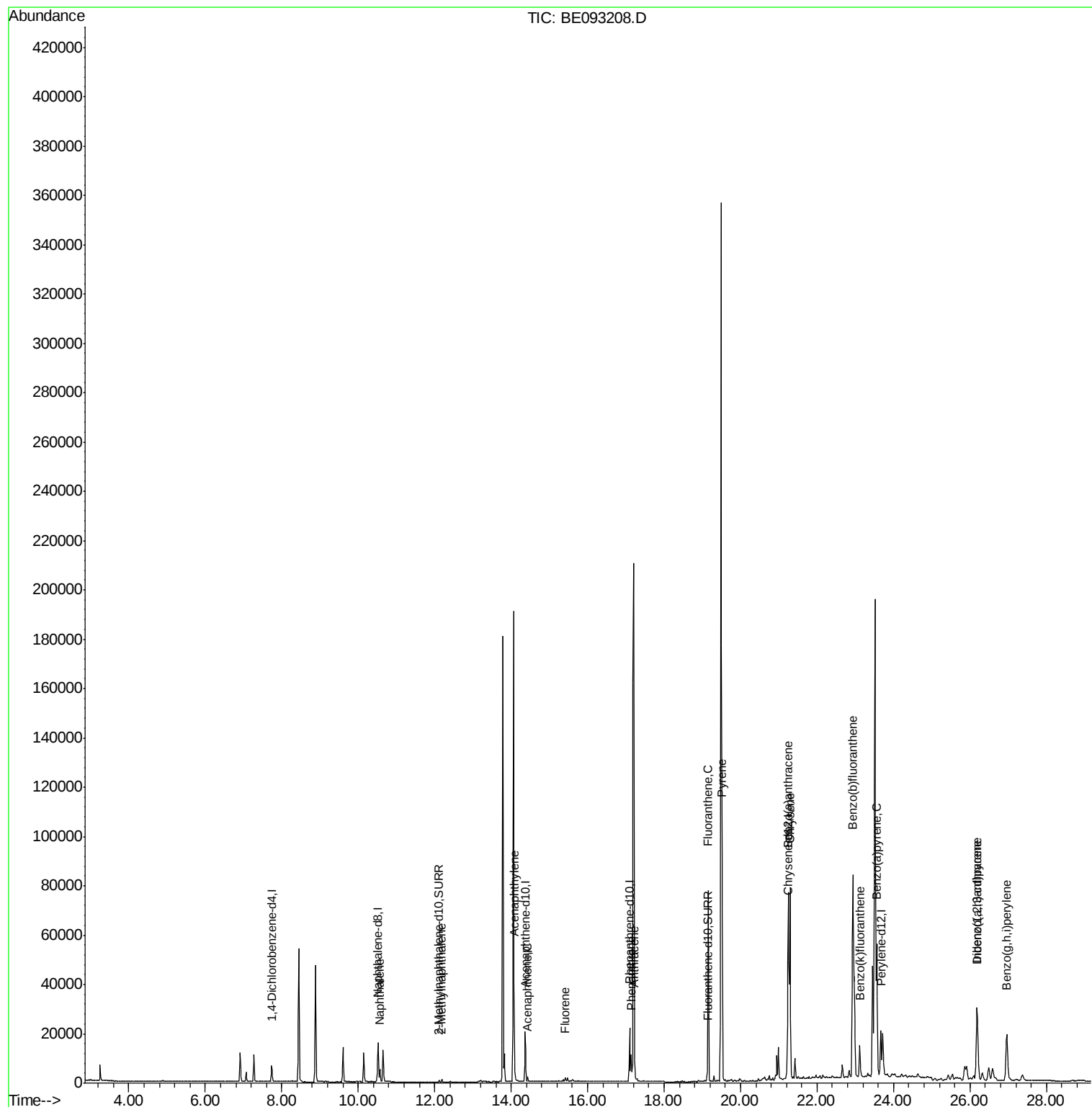
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.57	128	7217	0.18	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1228	0.04	ng/ul	97
7) Acenaphthylene	14.08	152	8900	0.20	ng/ul	98
8) Acenaphthene	14.43	153	1247	0.03	ng/ul	96
9) Fluorene	15.42	166	1027	0.02	ng/ul	90
12) Phenanthrene	17.14	178	12181	0.17	ng/ul#	86
13) Anthracene	17.22	178	14319	0.24	ng/ul#	87
15) Fluoranthene	19.16	202	84605	0.99	ng/ul	83
17) Pyrene	19.52	202	95966	1.28	ng/ul#	83
18) Benzo(a)anthracene	21.25	228	62371	0.92	ng/ul#	85
19) Chrysene	21.30	228	84708	1.20	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	188891	2.38	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	16474	0.20	ng/ul	95
23) Benzo(a)pyrene	23.56	252	75419	1.01	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.19	276	48402	0.56	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	13745	0.19	ng/ul#	89
26) Benzo(a,h,i)perylene	26.97	276	39754	0.53	ng/ul	97

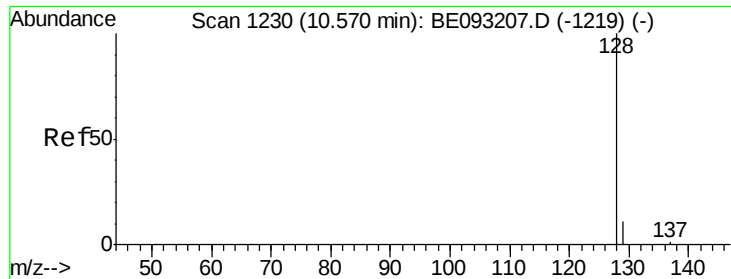
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.18 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

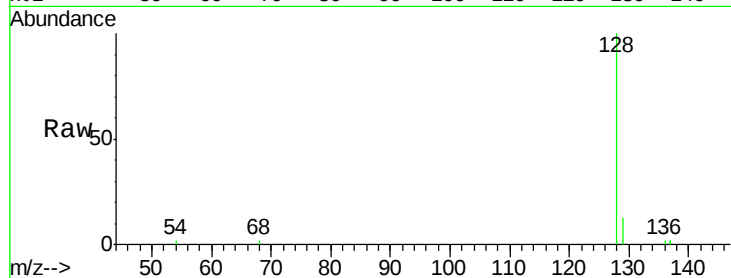
Tot Ion:128 Resp: 7217

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

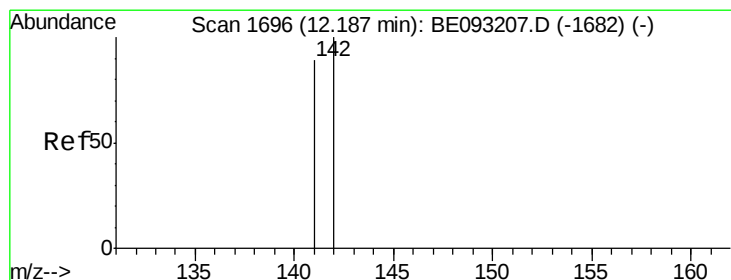
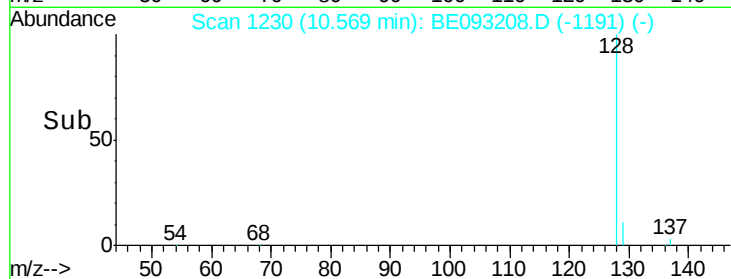
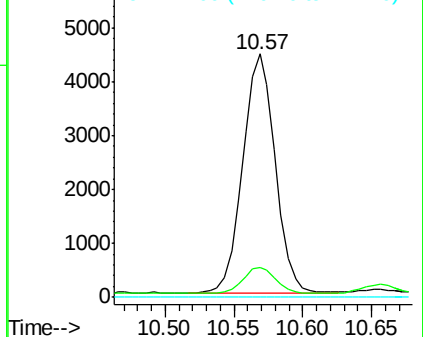
127 0.0 4.0 6.0#



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: BE093208.D

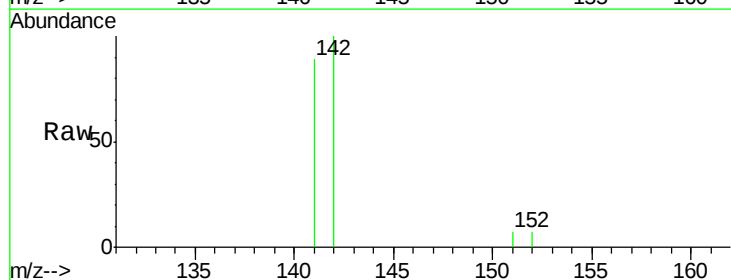
Acq: 15 Jun 2017 15:00

Tgt Ion:142 Resp: 1228

Ion Ratio Lower Upper

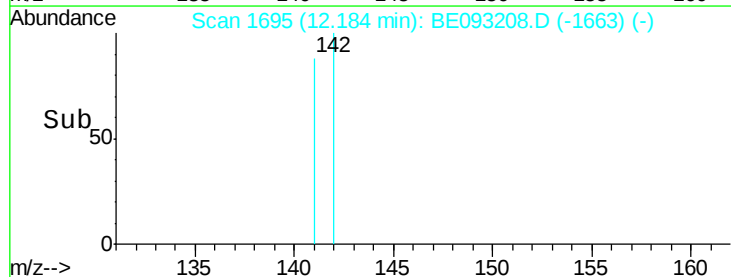
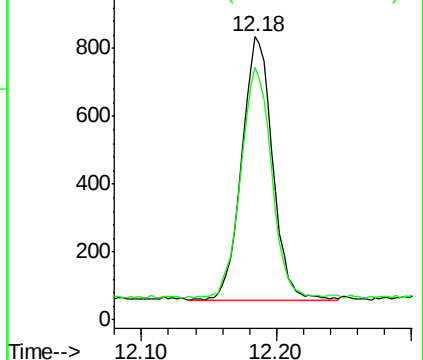
142 100

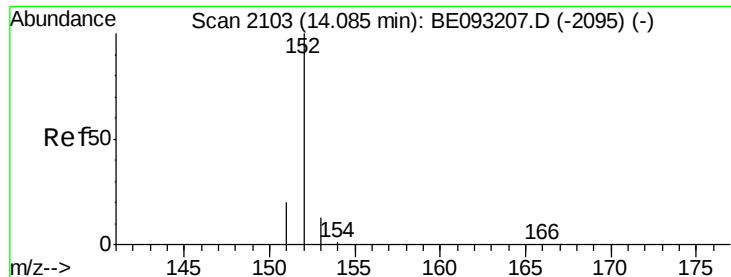
141 87.7 72.6 108.8



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: 14.08 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

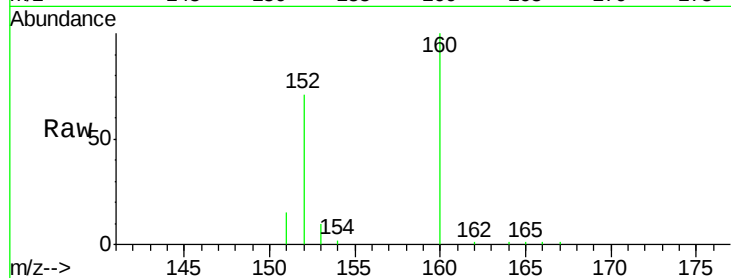
Tot Ion:152 Resp: 8900

Ion Ratio Lower Upper

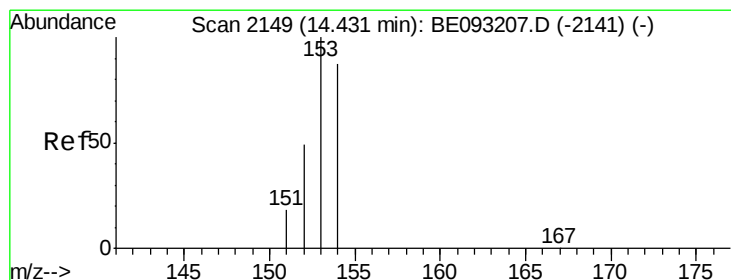
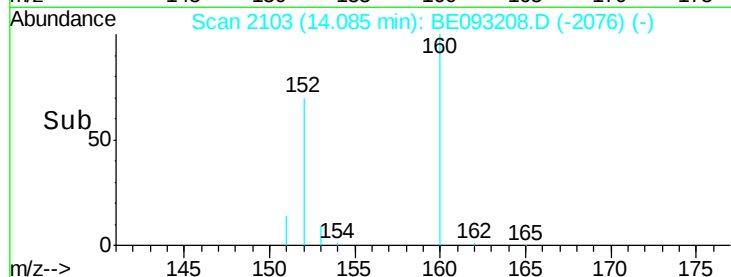
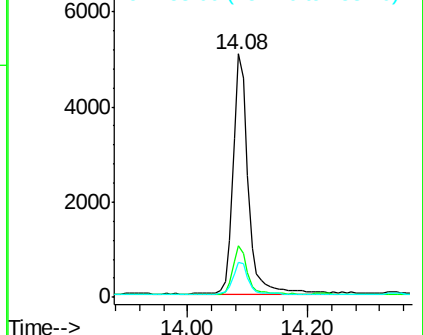
152 100

151 21.1 17.1 25.7

153 14.2 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: 0.03 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

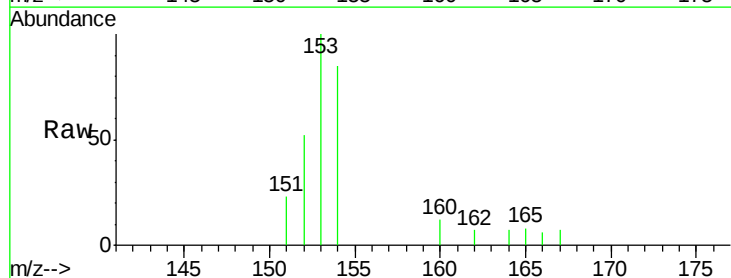
Tgt Ion:153 Resp: 1247

Ion Ratio Lower Upper

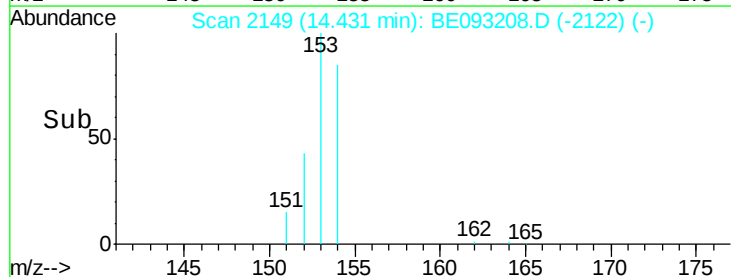
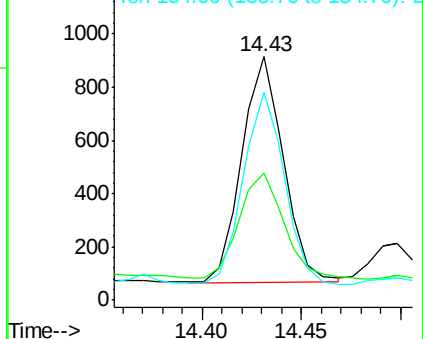
153 100

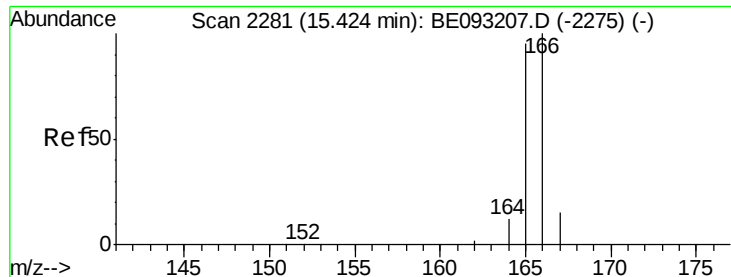
152 52.2 40.3 60.5

154 85.2 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: 0.02 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

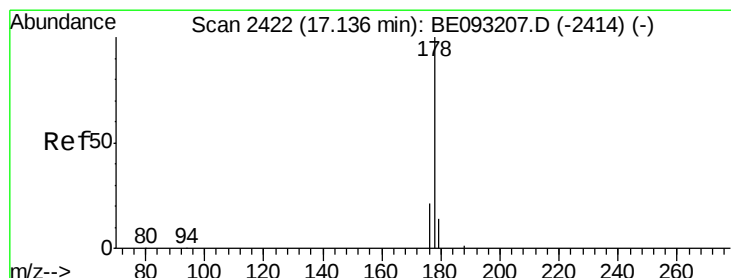
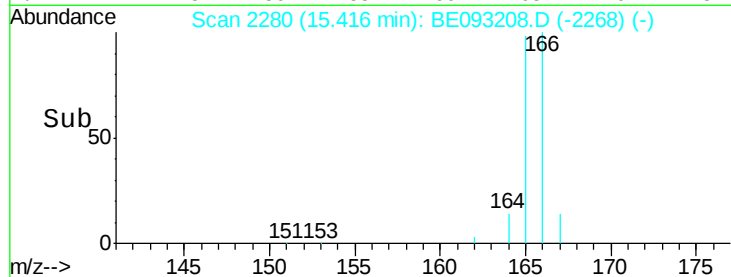
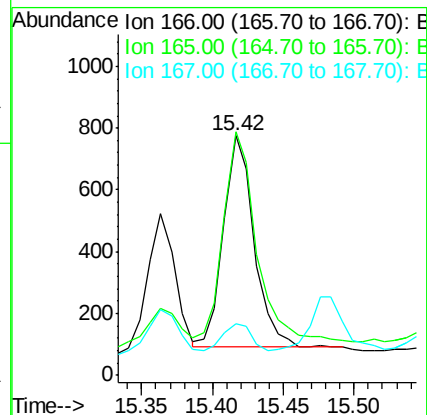
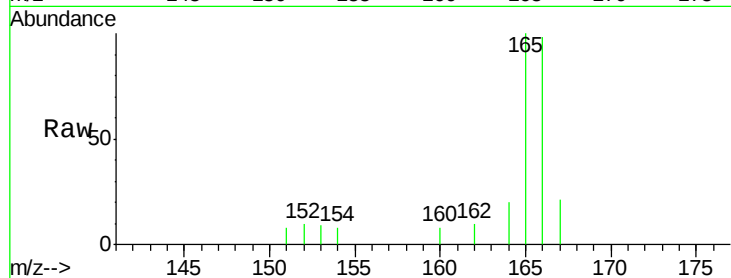
Tot Ion:166 Resp: 1027

Ion Ratio Lower Upper

166 100

165 101.7 73.4 110.2

167 21.3 14.6 22.0



#12

Phenanthrene

Concen: 0.17 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

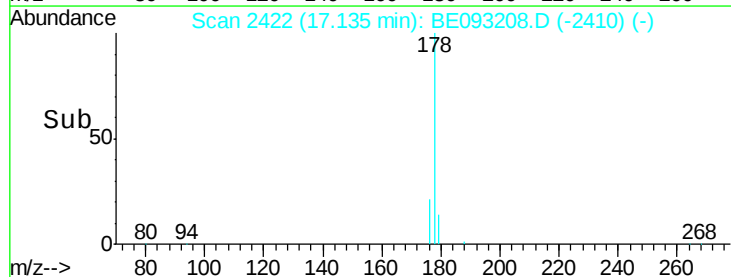
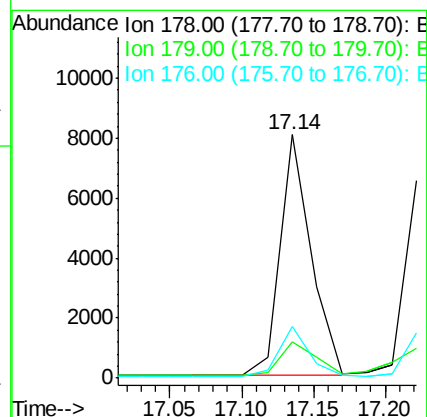
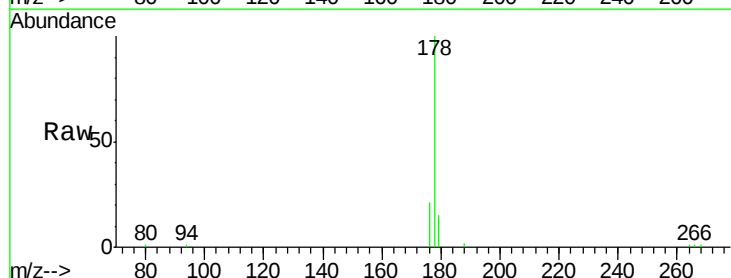
Tgt Ion:178 Resp: 12181

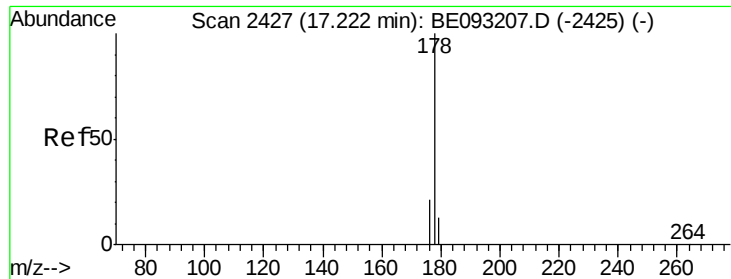
Ion Ratio Lower Upper

178 100

179 15.0 18.4 27.6#

176 21.4 13.6 20.4#





#13

Anthracene

Concen: 0.24 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

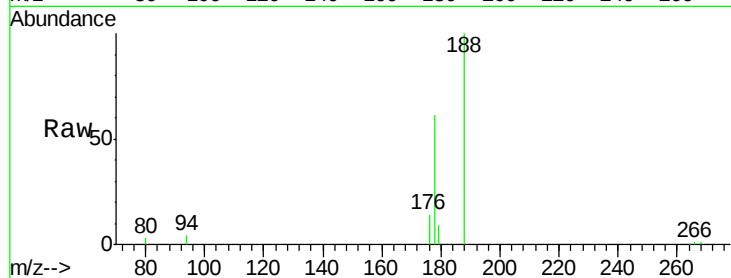
Tot Ion:178 Resp: 14319

Ion Ratio Lower Upper

178 100

179 15.0 18.1 27.1#

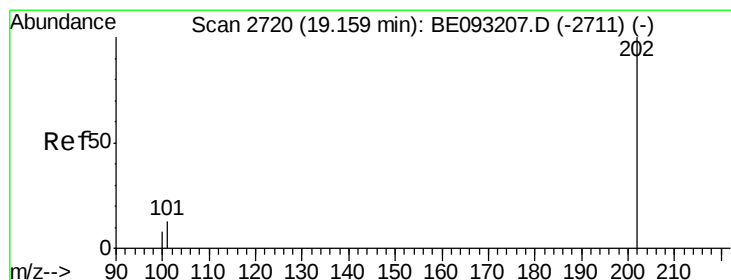
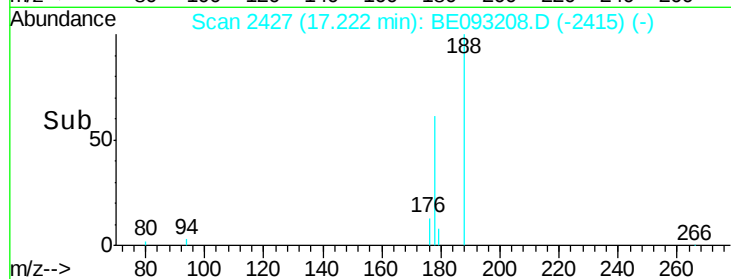
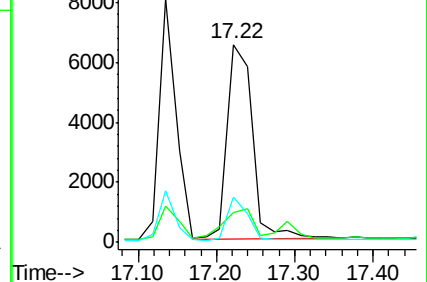
176 22.6 14.7 22.1#



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: 0.99 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

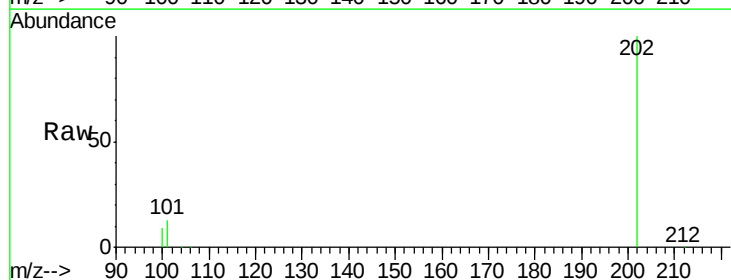
Tgt Ion:202 Resp: 84605

Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.3

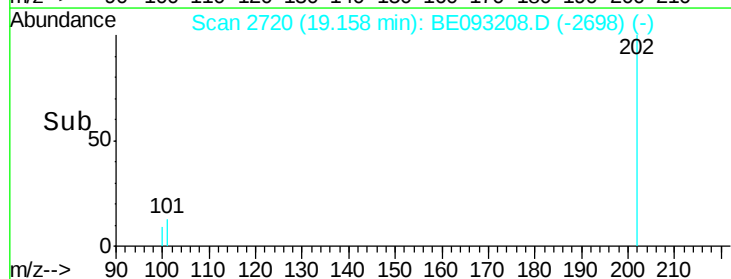
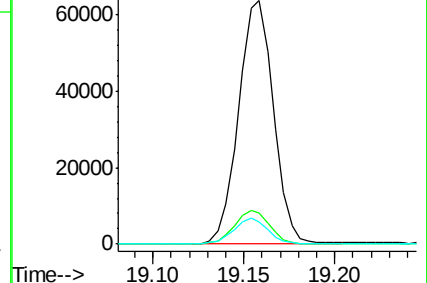
100 9.3 0.0 39.5

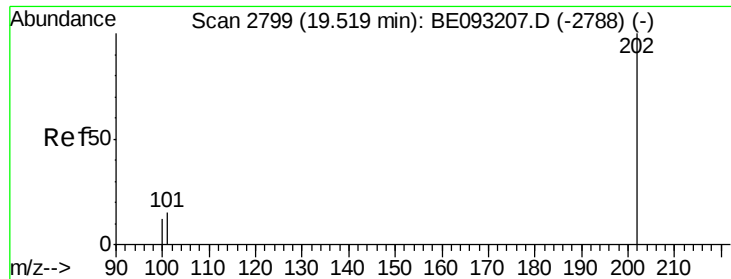


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

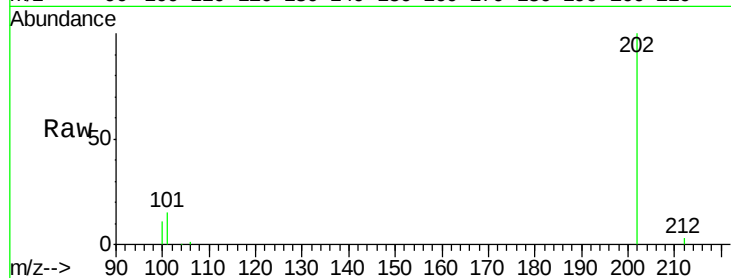




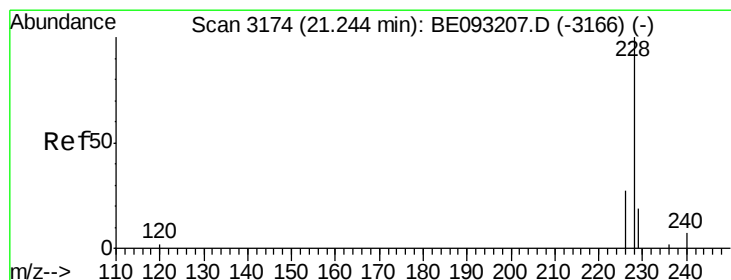
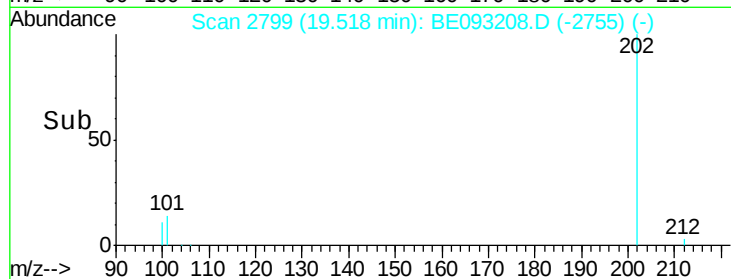
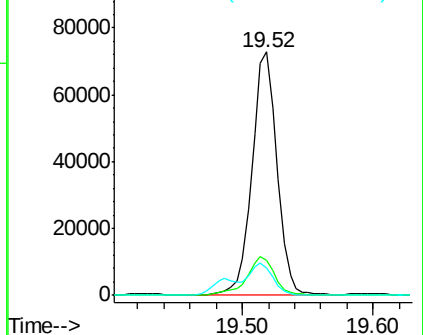
#17
Pvrene
Concen: 1.28 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093208.D
Acq: 15 Jun 2017 15:00

Instrument :
BNA_E
ClientSampled :

Tot Ion:202 Resp: 95966
Ion Ratio Lower Upper
202 100
101 14.5 18.2 27.4#
100 11.5 15.6 23.4#

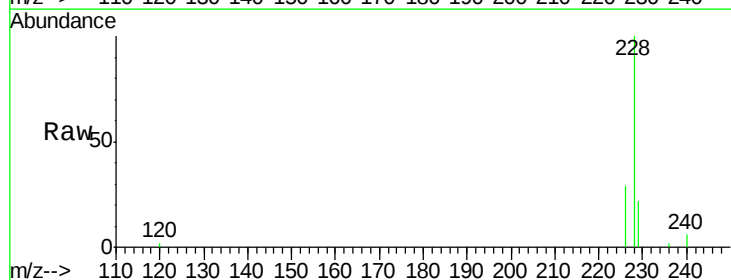


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

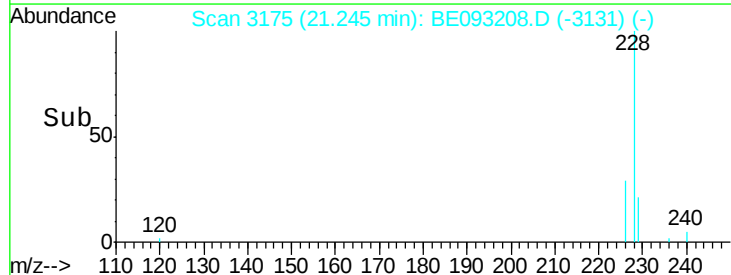
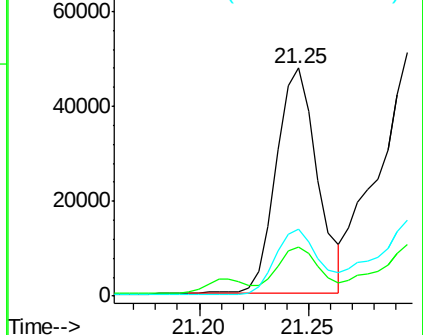


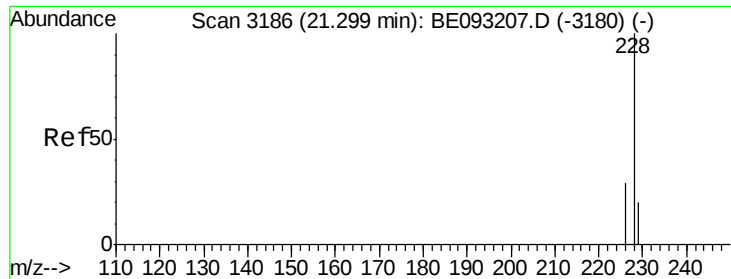
#18
Benzo(a)anthracene
Concen: 0.92 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093208.D
Acq: 15 Jun 2017 15:00

Tgt Ion:228 Resp: 62371
Ion Ratio Lower Upper
228 100
229 21.5 22.8 34.2#
226 29.3 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: 1.20 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

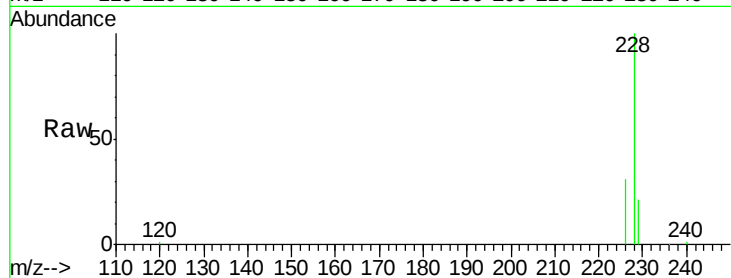
Tot Ion:228 Resp: 84708

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

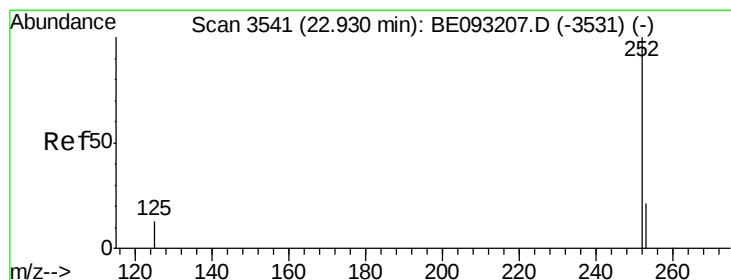
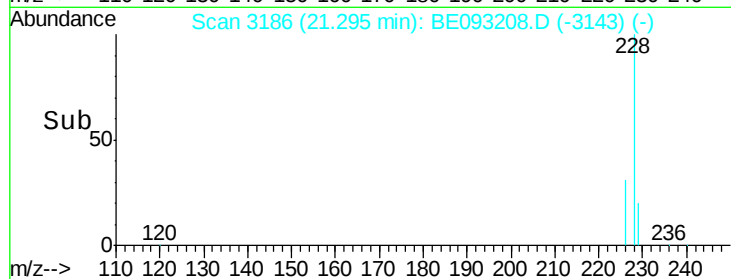
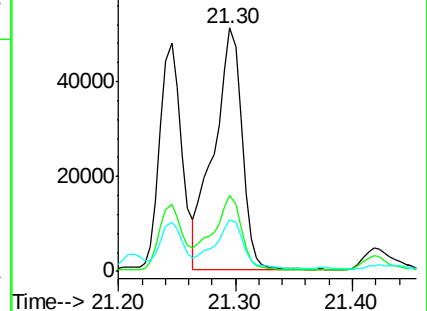
229 21.1 17.7 26.5



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: 2.38 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

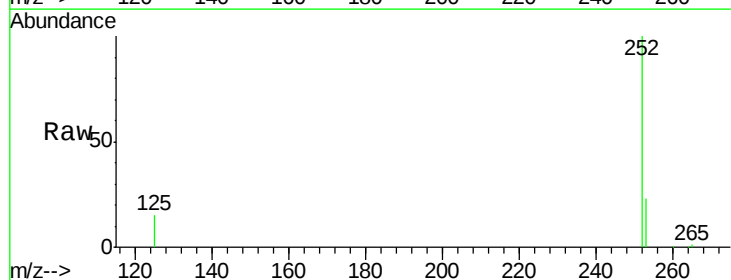
Tgt Ion:252 Resp: 188891

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

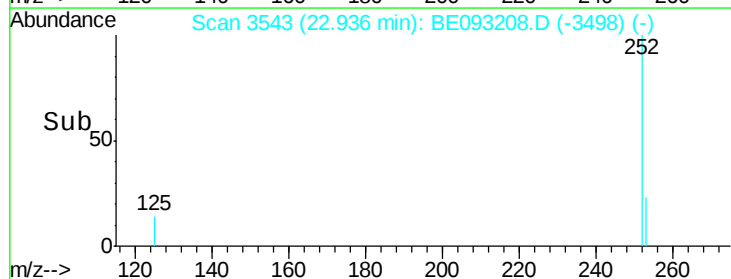
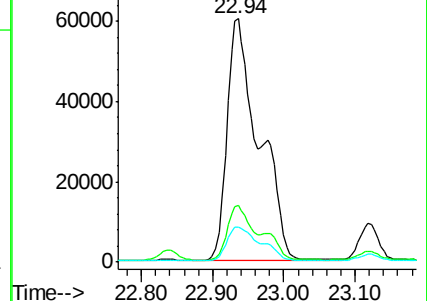
125 14.5 0.0 35.0

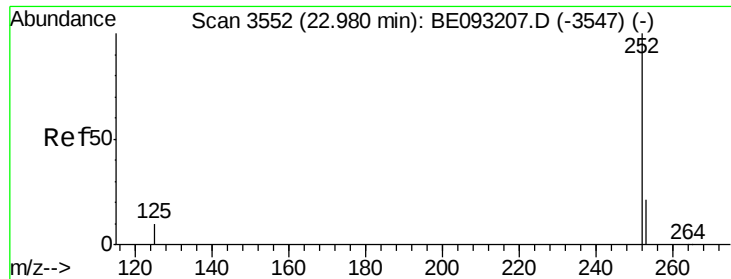


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.20 ng/ul

RT: 23.12 min Scan# 3583

Delta R.T. 0.14 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

ClientSampleId :

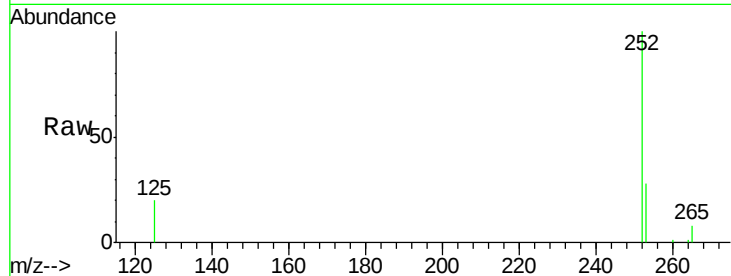
Tot Ion:252 Resp: 16474

Ion Ratio Lower Upper

252 100

253 27.8 24.5 36.7

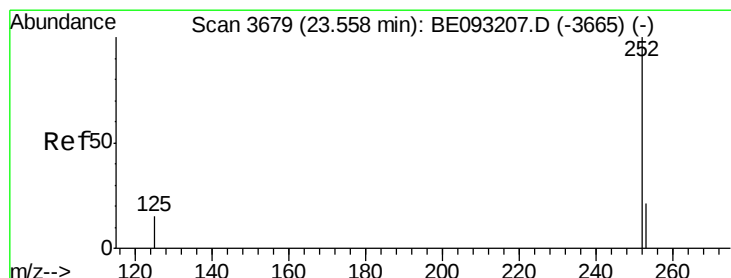
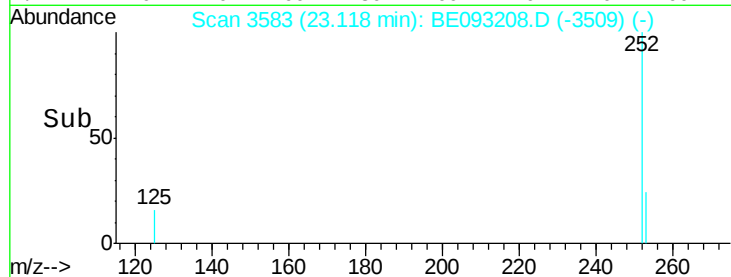
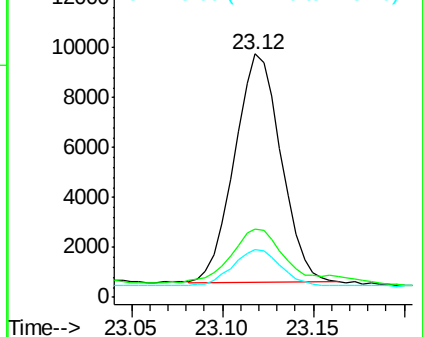
125 19.7 13.7 20.5



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: 1.01 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

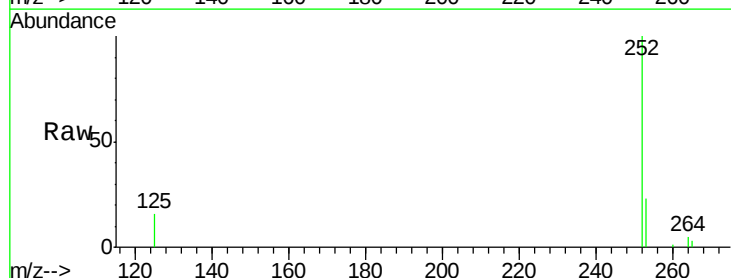
Tgt Ion:252 Resp: 75419

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

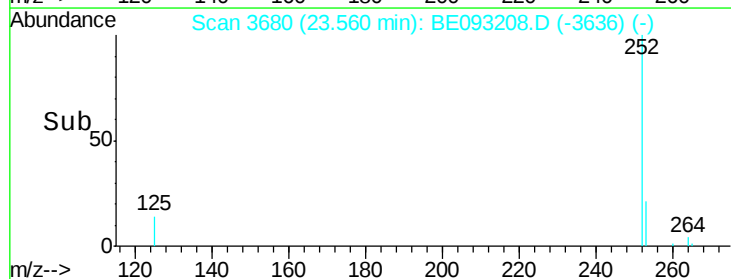
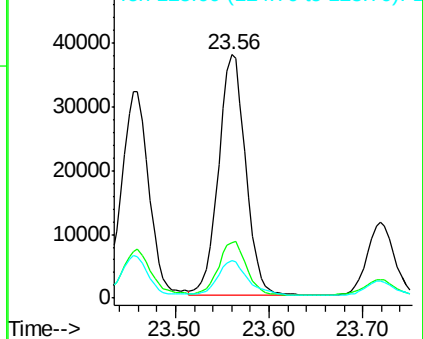
125 15.5 18.1 27.1#

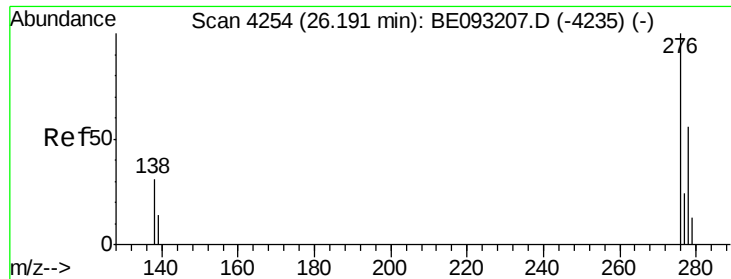


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



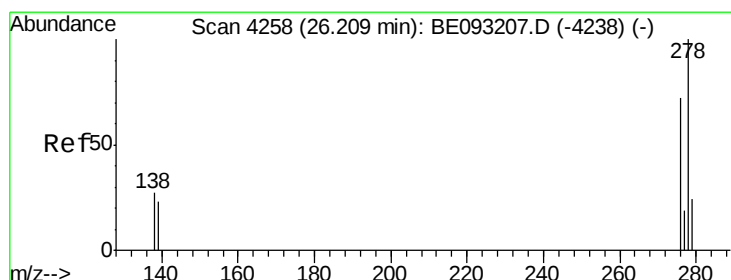
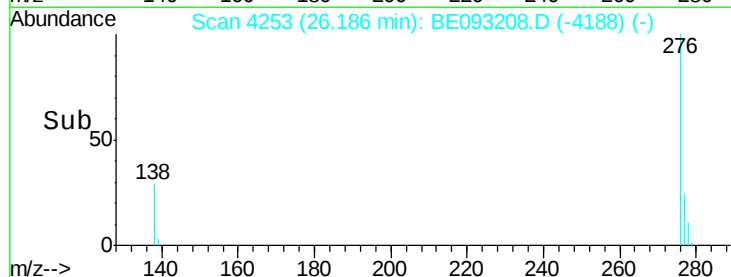
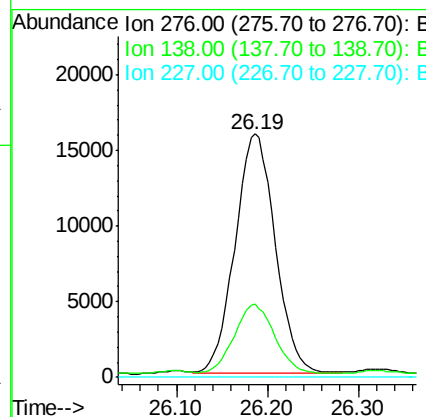
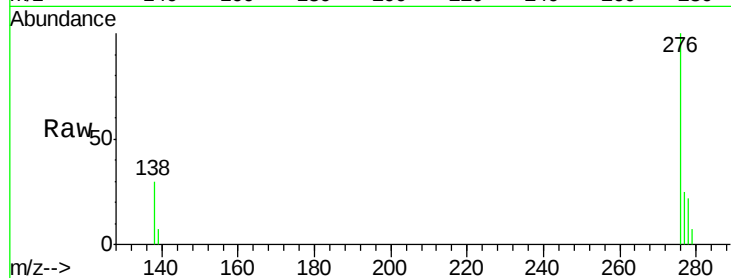


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.56 ng/ul
RT: 26.19 min Scan# 4253
Delta R.T. -0.00 min
Lab File: BE093208.D
Acq: 15 Jun 2017 15:00

Instrument :
BNA_E
ClientSampleId :

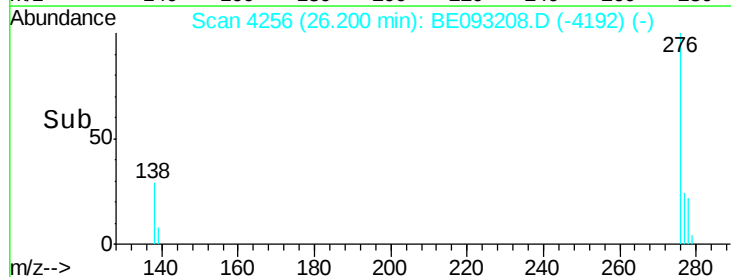
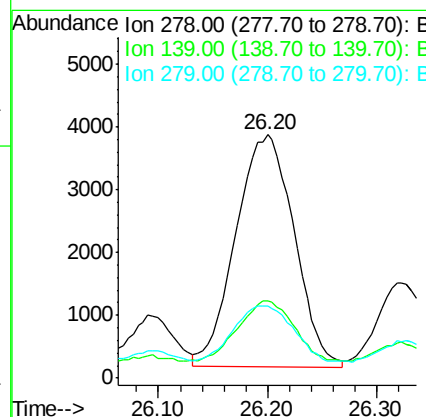
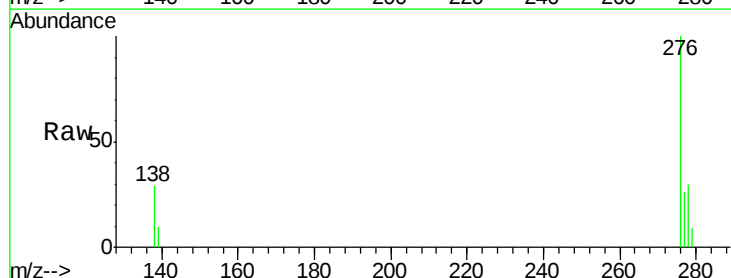
Tot Ion:276 Resp: 48402
Ion Ratio Lower Upper
276 100
138 29.7 28.0 42.0
227 0.0 8.0 12.0#

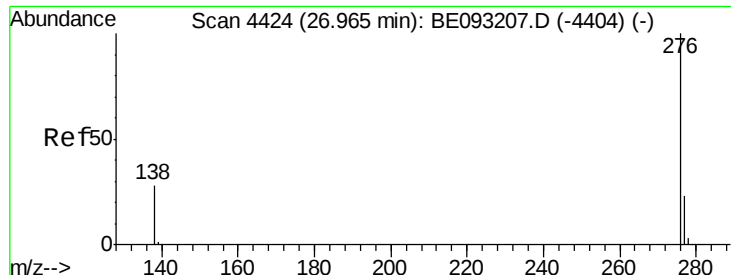


#25

Dibenzo(a,h)anthracene
Concen: 0.19 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.01 min
Lab File: BE093208.D
Acq: 15 Jun 2017 15:00

Tgt Ion:278 Resp: 13745
Ion Ratio Lower Upper
278 100
139 31.9 17.4 26.0#
279 29.8 25.9 38.9

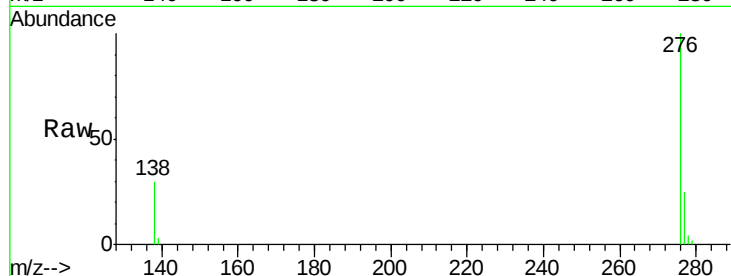




#26
 Benzo(a,h,i)perylene
 Concen: 0.53 ng/ul
 RT: 26.97 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	21.8	32.8
277	24.9	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

