

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093220.D
 Acq On : 15 Jun 2017 22:22
 Operator : SJ/MA
 Sample : I3521-18DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:45:23 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

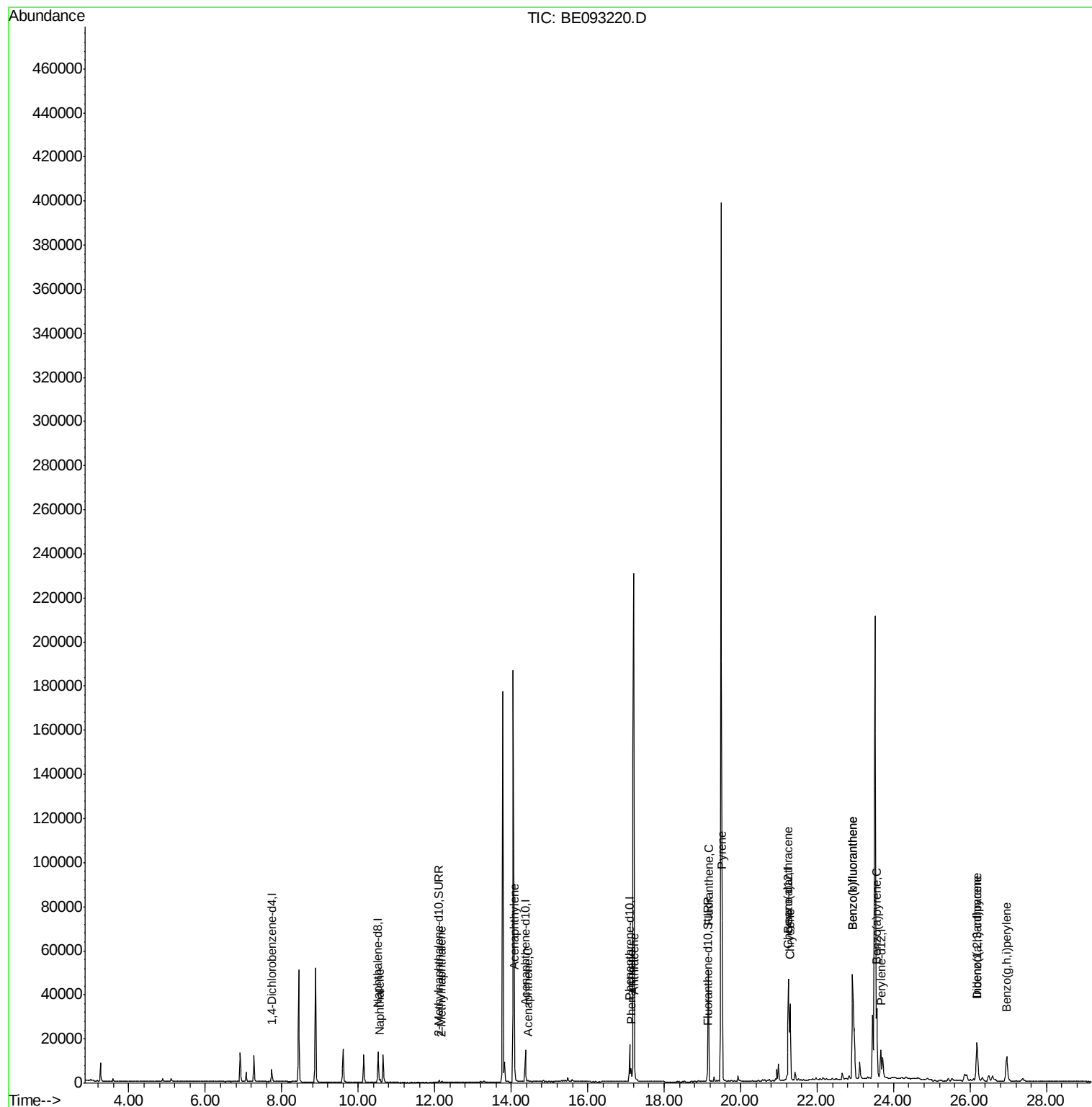
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2687	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13944	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8150	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19451	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20546	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	19638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1486	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	4007	0.08	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	1650	0.05	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	463	0.02	ng/ul	97
7) Acenaphthylene	14.09	152	6886	0.20	ng/ul	98
8) Acenaphthene	14.43	153	302	0.01	ng/ul#	89
12) Phenanthrene	17.13	178	6535	0.12	ng/ul#	87
13) Anthracene	17.22	178	8571	0.18	ng/ul#	87
15) Fluoranthene	19.16	202	54715	0.83	ng/ul	83
17) Pyrene	19.52	202	74047	1.22	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	38119	0.70	ng/ul#	85
19) Chrysene	21.29	228	42097	0.74	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	109011	1.83	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	109011	1.72	ng/ul#	89
23) Benzo(a)pyrene	23.56	252	42718	0.76	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	29668	0.45	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	7304	0.13	ng/ul#	85
26) Benzo(a,h,i)perylene	26.96	276	24625	0.44	ng/ul	97

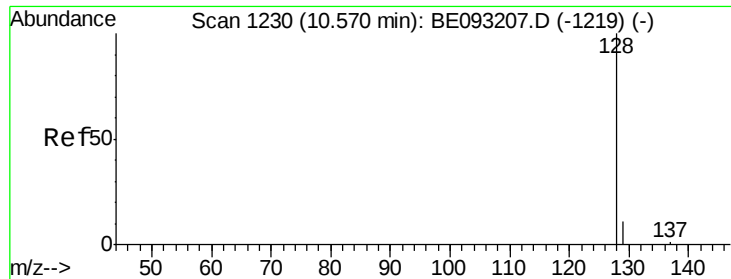
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampleId :

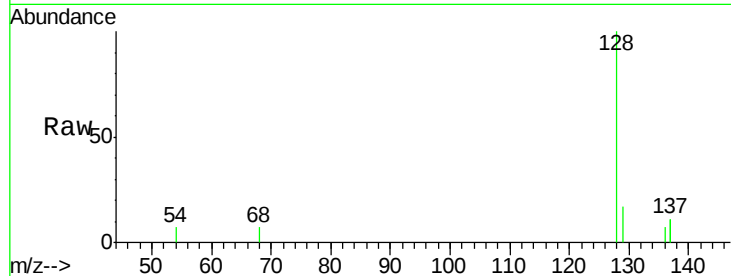
Tot Ion:128 Resp: 1650

Ion Ratio Lower Upper

128 100

129 17.2 11.3 16.9#

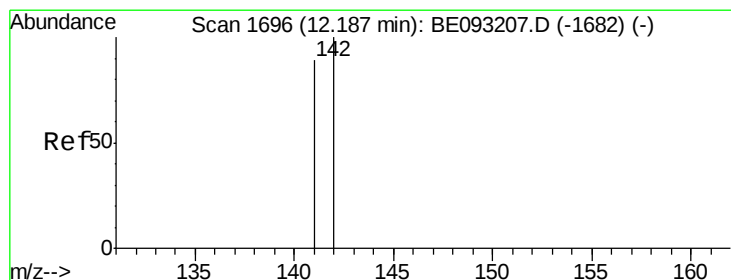
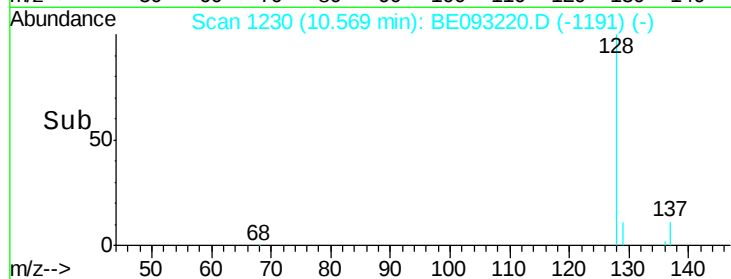
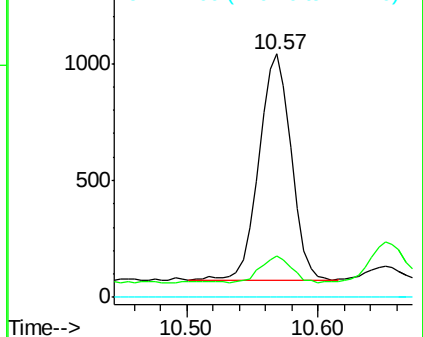
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.01 min

Lab File: BE093220.D

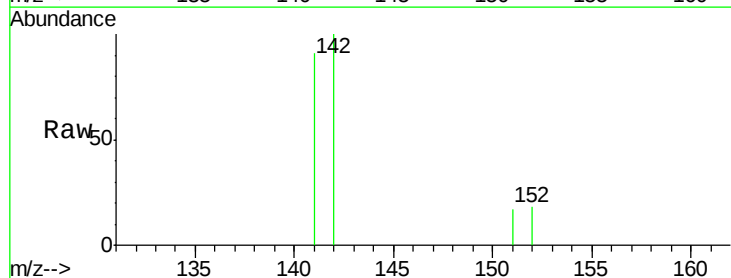
Acq: 15 Jun 2017 22:22

Tgt Ion:142 Resp: 463

Ion Ratio Lower Upper

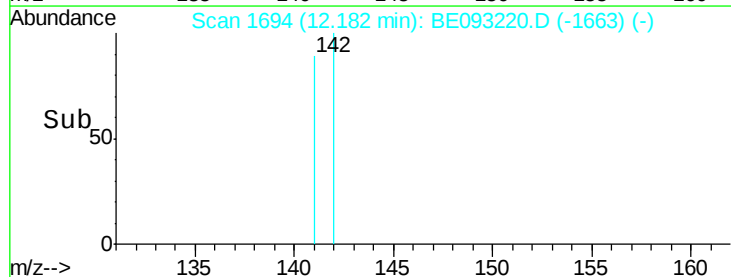
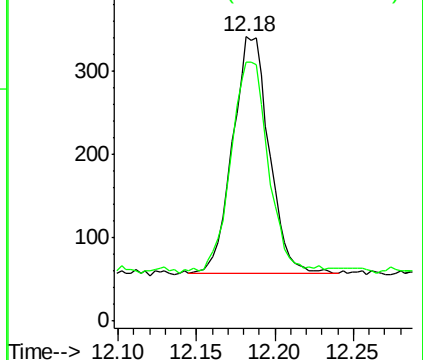
142 100

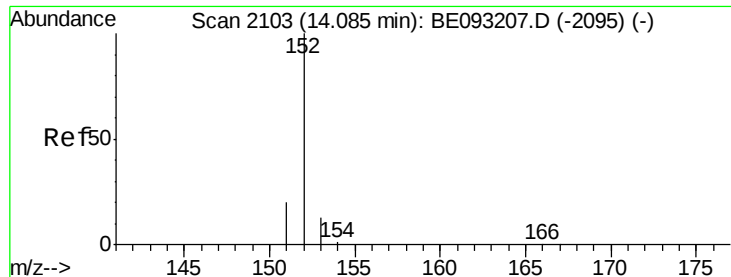
141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampled :

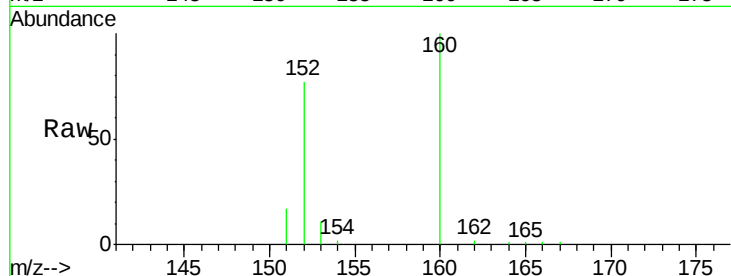
Tot Ion:152 Resp: 6886

Ion Ratio Lower Upper

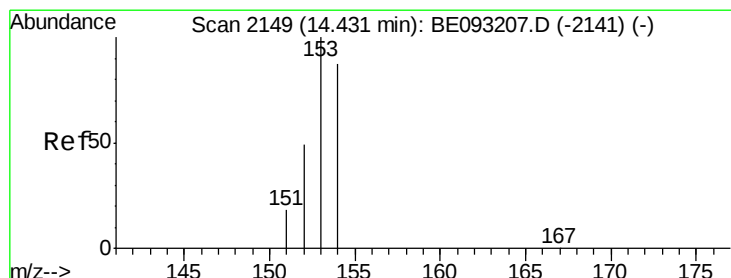
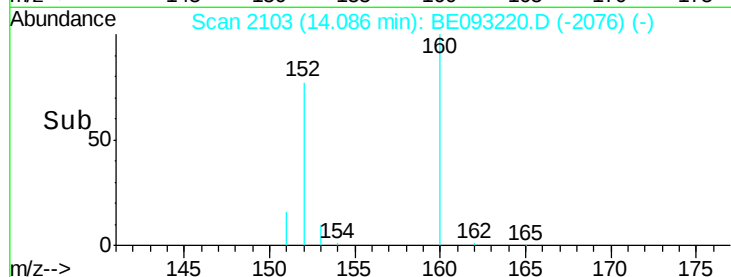
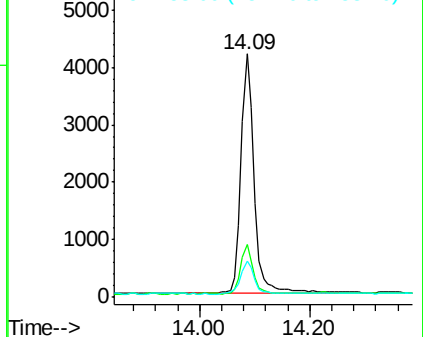
152 100

151 21.7 17.1 25.7

153 14.7 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: 0.01 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

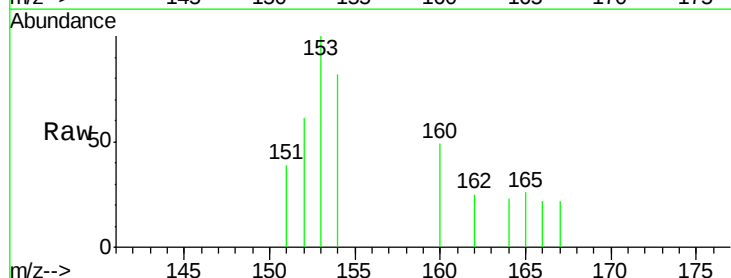
Tgt Ion:153 Resp: 302

Ion Ratio Lower Upper

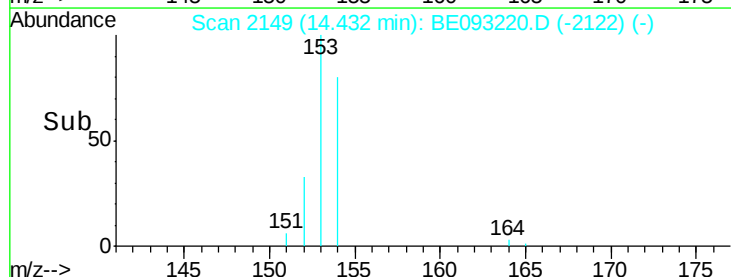
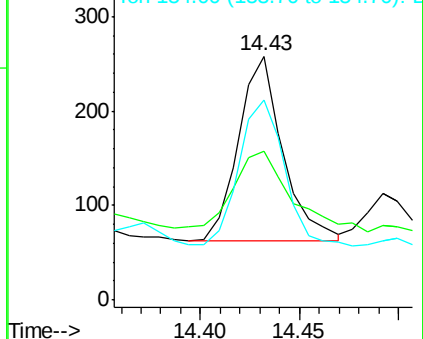
153 100

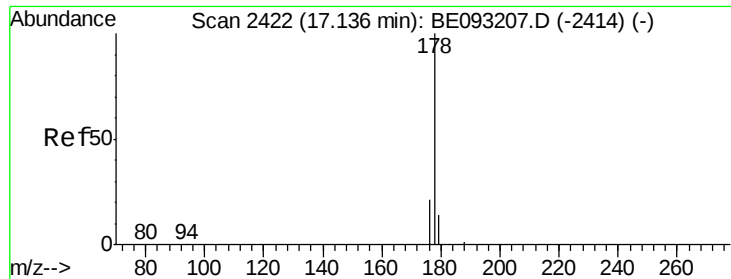
152 61.2 40.3 60.5#

154 82.2 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

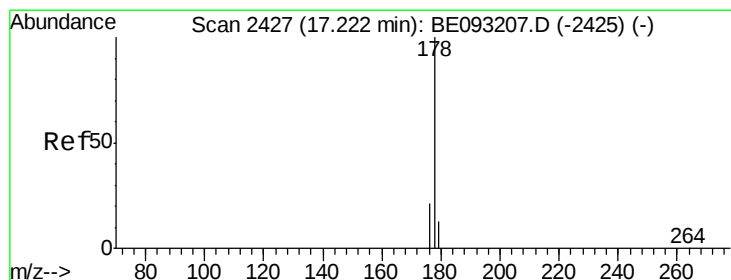
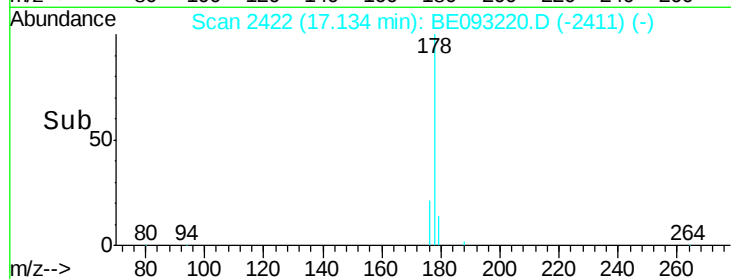
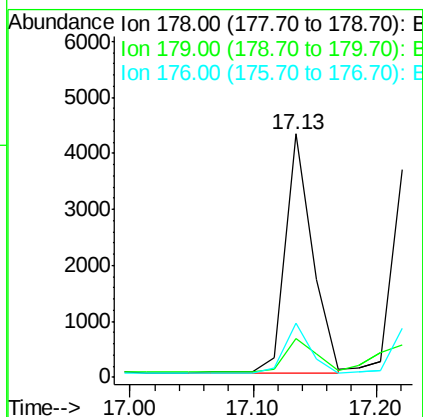
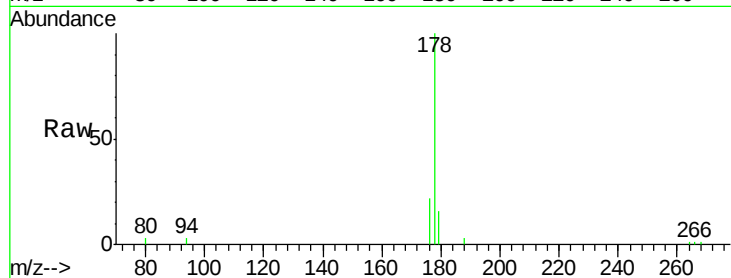




#12
 Phenanthrene
 Concen: 0.12 ng/ul
 RT: 17.13 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BE093220.D
 Acq: 15 Jun 2017 22:22

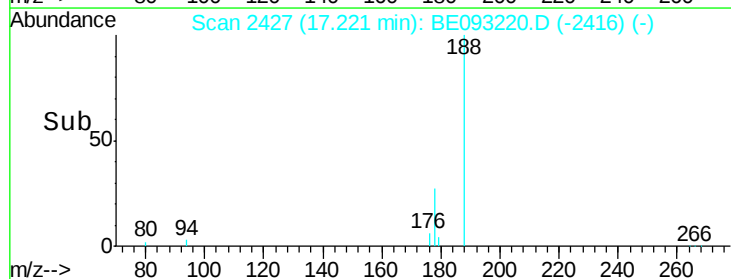
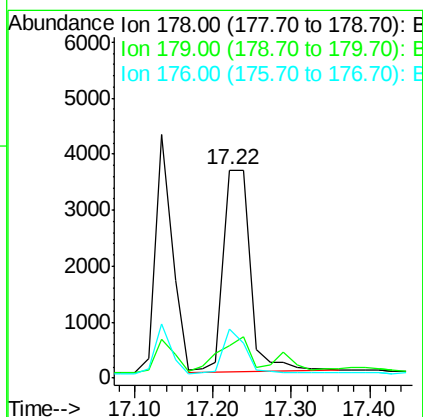
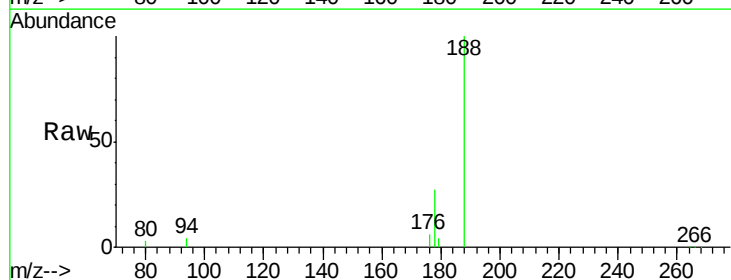
Instrument :
 BNA_E
 ClientSampleId :

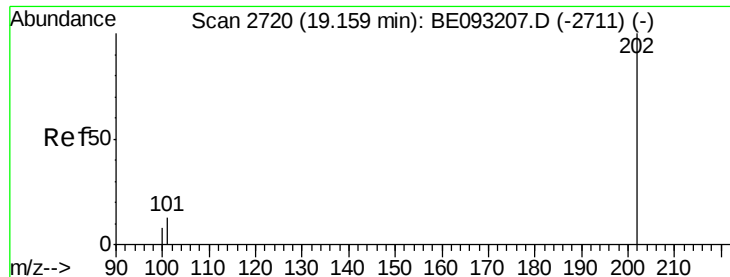
Tot Ion:178 Resp: 6535
 Ion Ratio Lower Upper
 178 100
 179 16.1 18.4 27.6#
 176 22.0 13.6 20.4#



#13
 Anthracene
 Concen: 0.18 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BE093220.D
 Acq: 15 Jun 2017 22:22

Tgt Ion:178 Resp: 8571
 Ion Ratio Lower Upper
 178 100
 179 15.7 18.1 27.1#
 176 23.7 14.7 22.1#





#15

Fluoranthene

Concen: 0.83 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampleId :

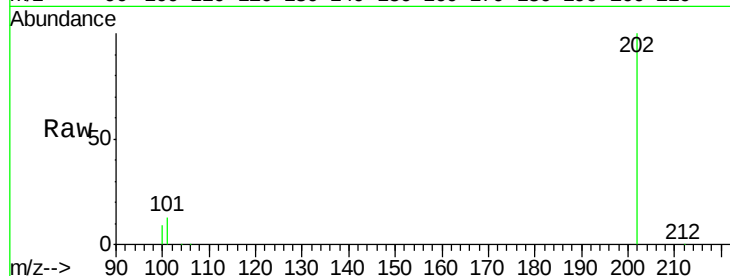
Tot Ion:202 Resp: 54715

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

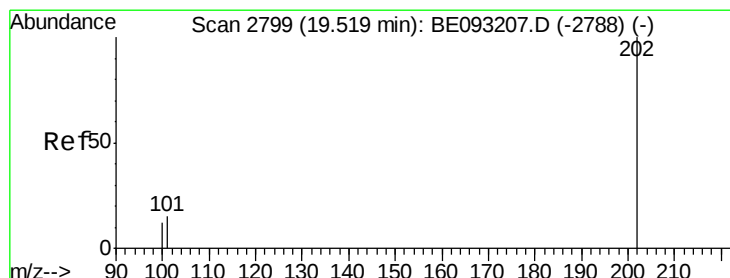
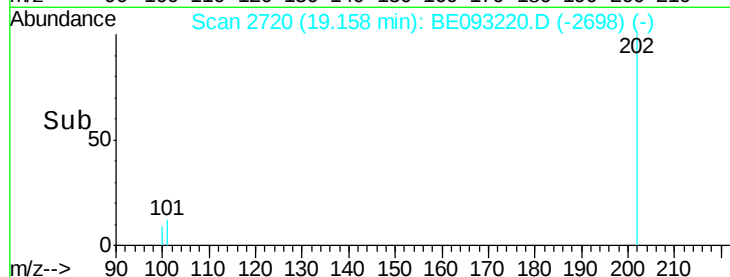
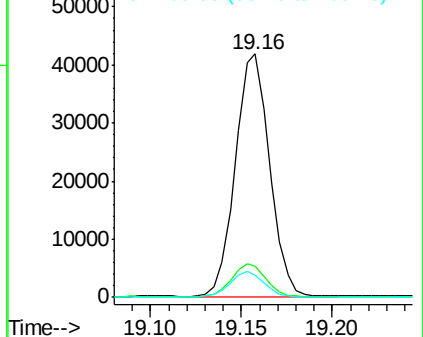
100 9.2 0.0 39.5



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

Pyrene

Concen: 1.22 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

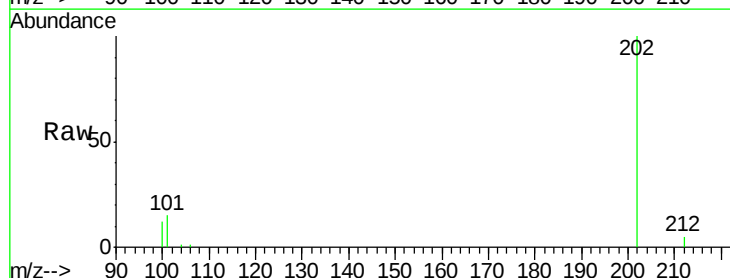
Tgt Ion:202 Resp: 74047

Ion Ratio Lower Upper

202 100

101 15.3 18.2 27.4#

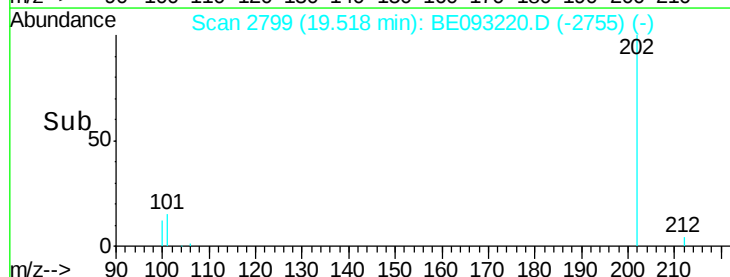
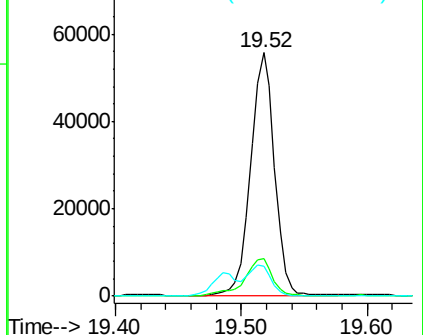
100 12.3 15.6 23.4#

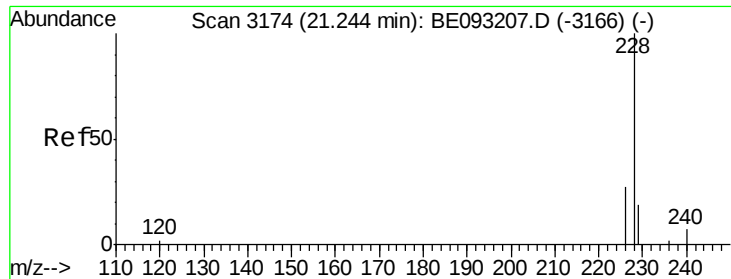


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.70 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampleId :

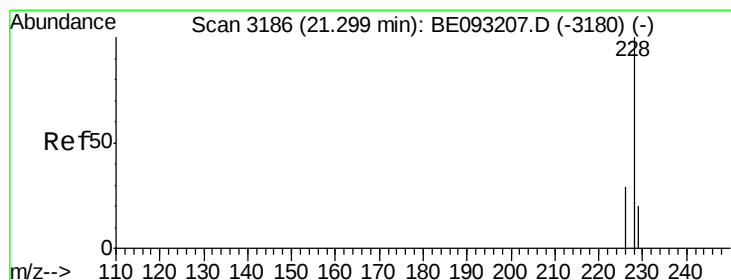
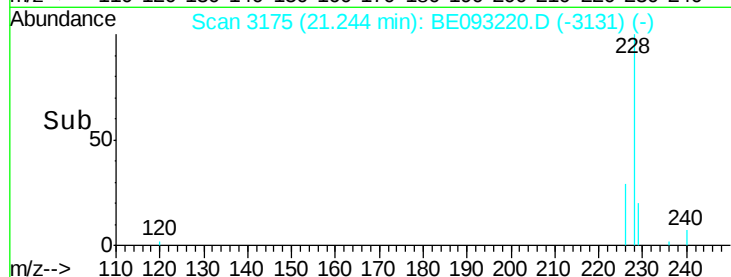
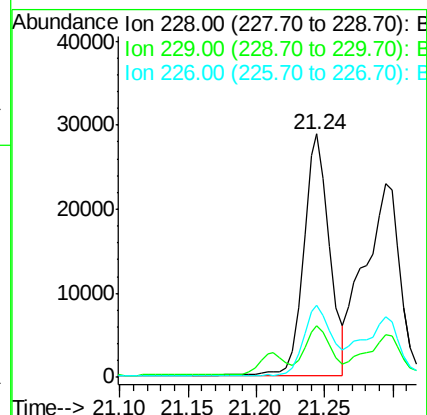
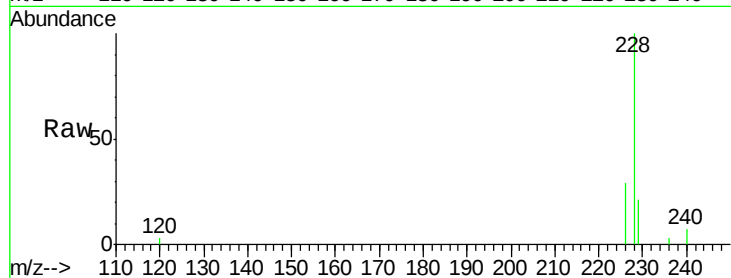
Tot Ion:228 Resp: 38119

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

226 29.4 17.0 25.6#



#19

Chrysene

Concen: 0.74 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

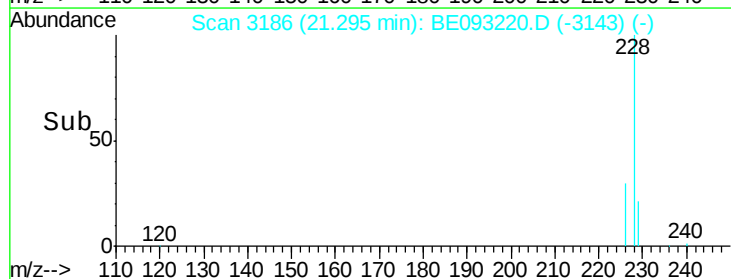
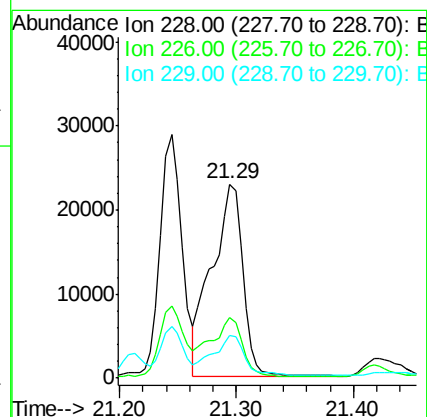
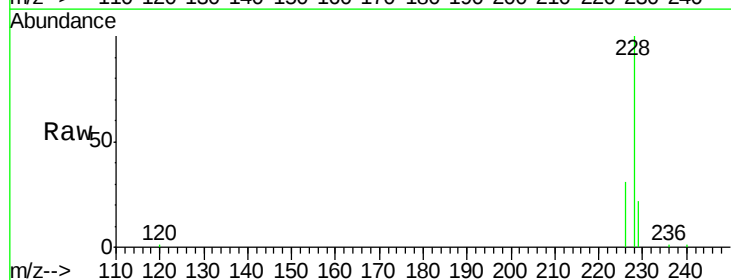
Tgt Ion:228 Resp: 42097

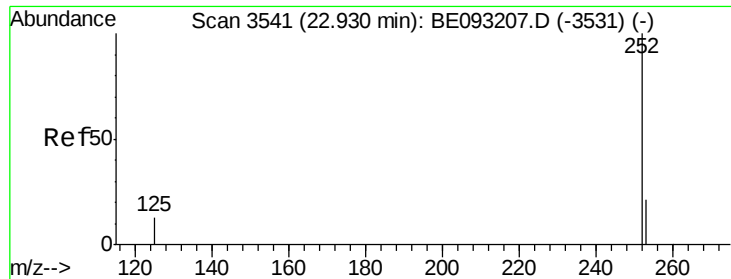
Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 21.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.83 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampleId :

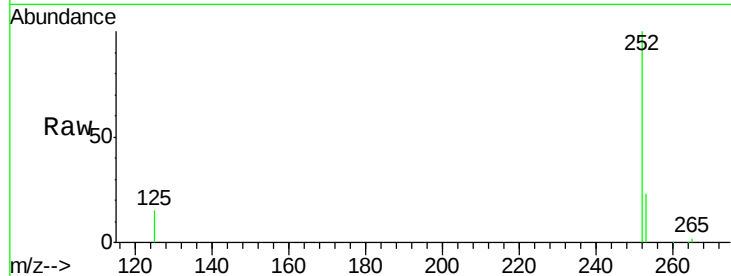
Tot Ion:252 Resp: 109011

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

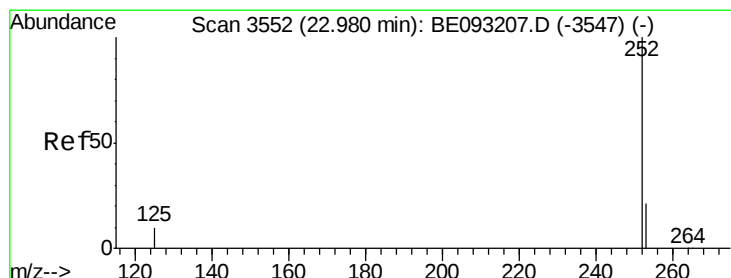
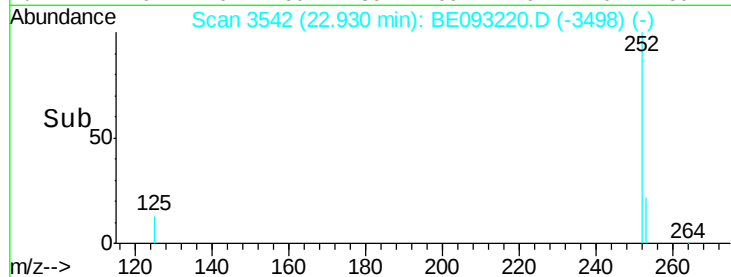
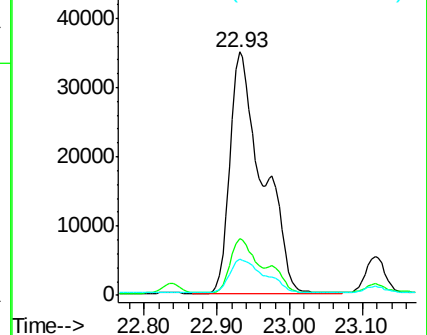
125 14.7 0.0 35.0



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: 1.72 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

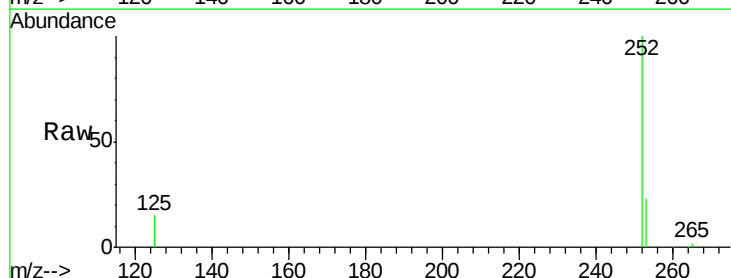
Tgt Ion:252 Resp: 109011

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

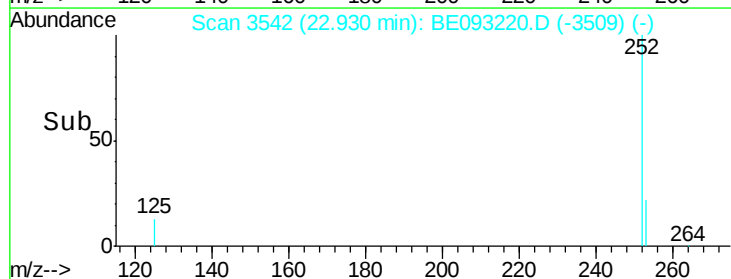
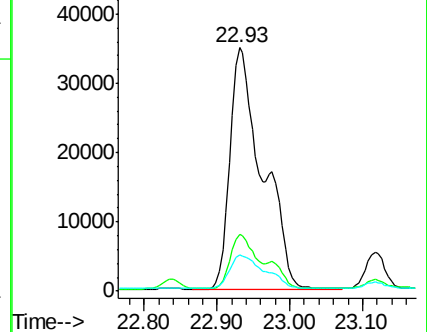
125 14.7 13.7 20.5

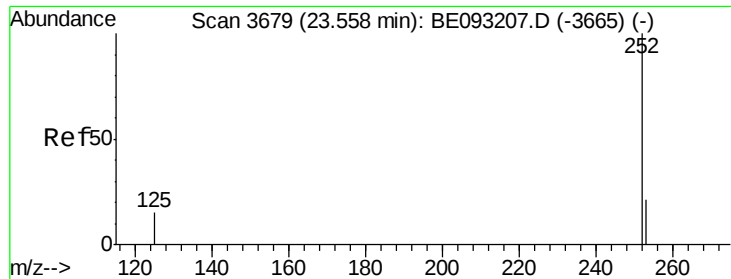


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.76 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

ClientSampleId :

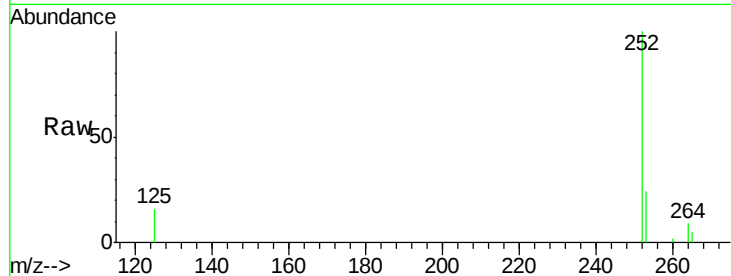
Tot Ion:252 Resp: 42718

Ion Ratio Lower Upper

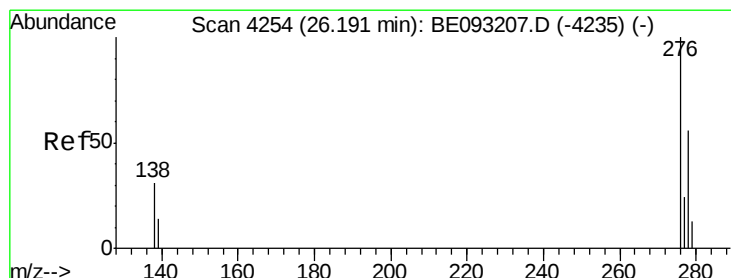
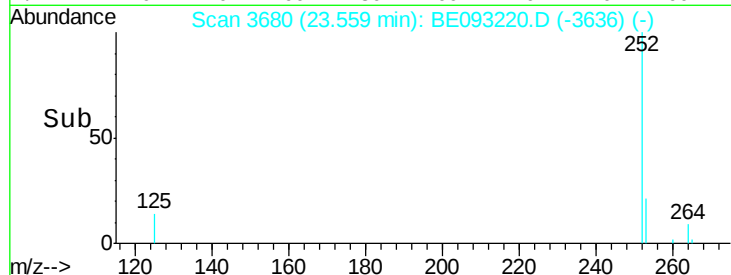
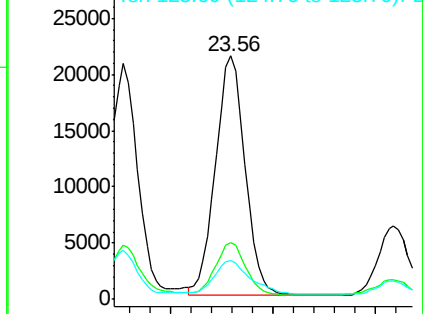
252 100

253 23.5 28.5 42.7#

125 16.2 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: 0.45 ng/ul

RT: 26.18 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

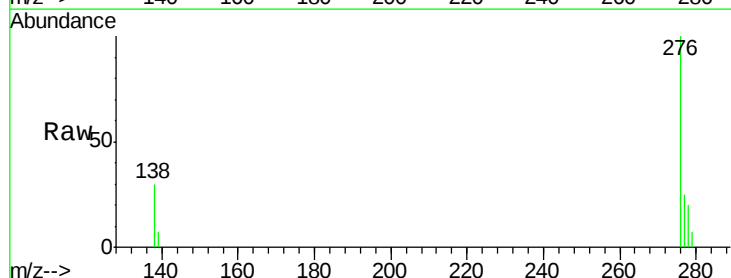
Tgt Ion:276 Resp: 29668

Ion Ratio Lower Upper

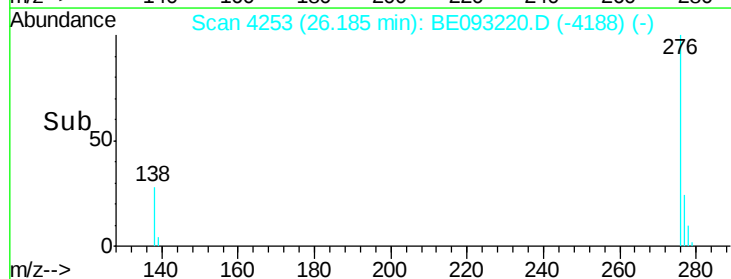
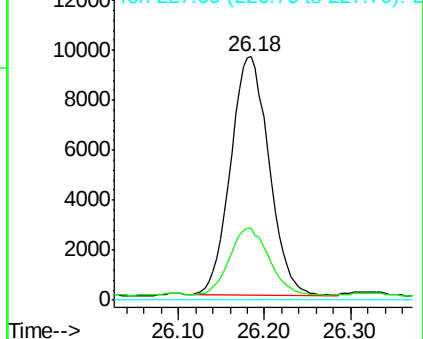
276 100

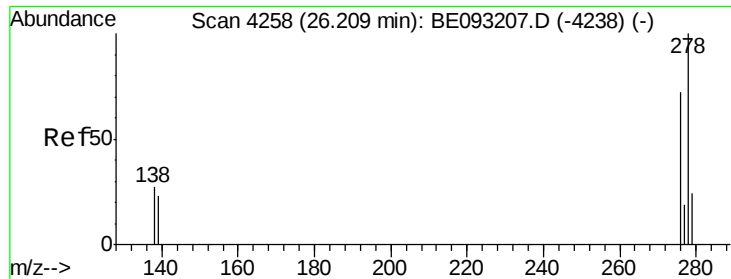
138 29.8 28.0 42.0

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

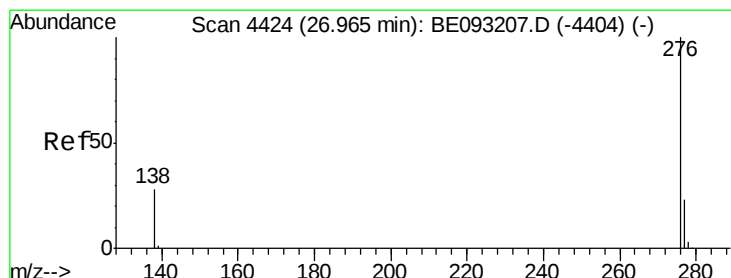
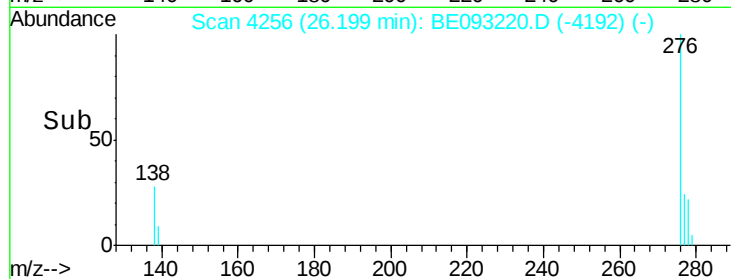
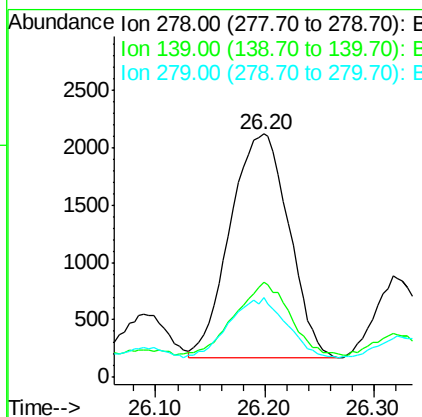
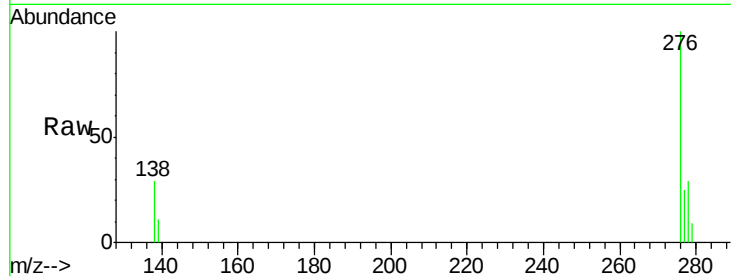




#25
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.01 min
Lab File: BE093220.D
Acq: 15 Jun 2017 22:22

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 7304
Ion Ratio Lower Upper
278 100
139 38.9 17.4 26.0#
279 32.6 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.44 ng/ul
RT: 26.96 min Scan# 4423
Delta R.T. -0.01 min
Lab File: BE093220.D
Acq: 15 Jun 2017 22:22

Tgt Ion:276 Resp: 24625
Ion Ratio Lower Upper
276 100
138 30.3 21.8 32.8
277 25.1 20.5 30.7

