

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093230.D
 Acq On : 16 Jun 2017 4:32
 Operator : SJ/MA
 Sample : I3521-12DL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:38:19 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

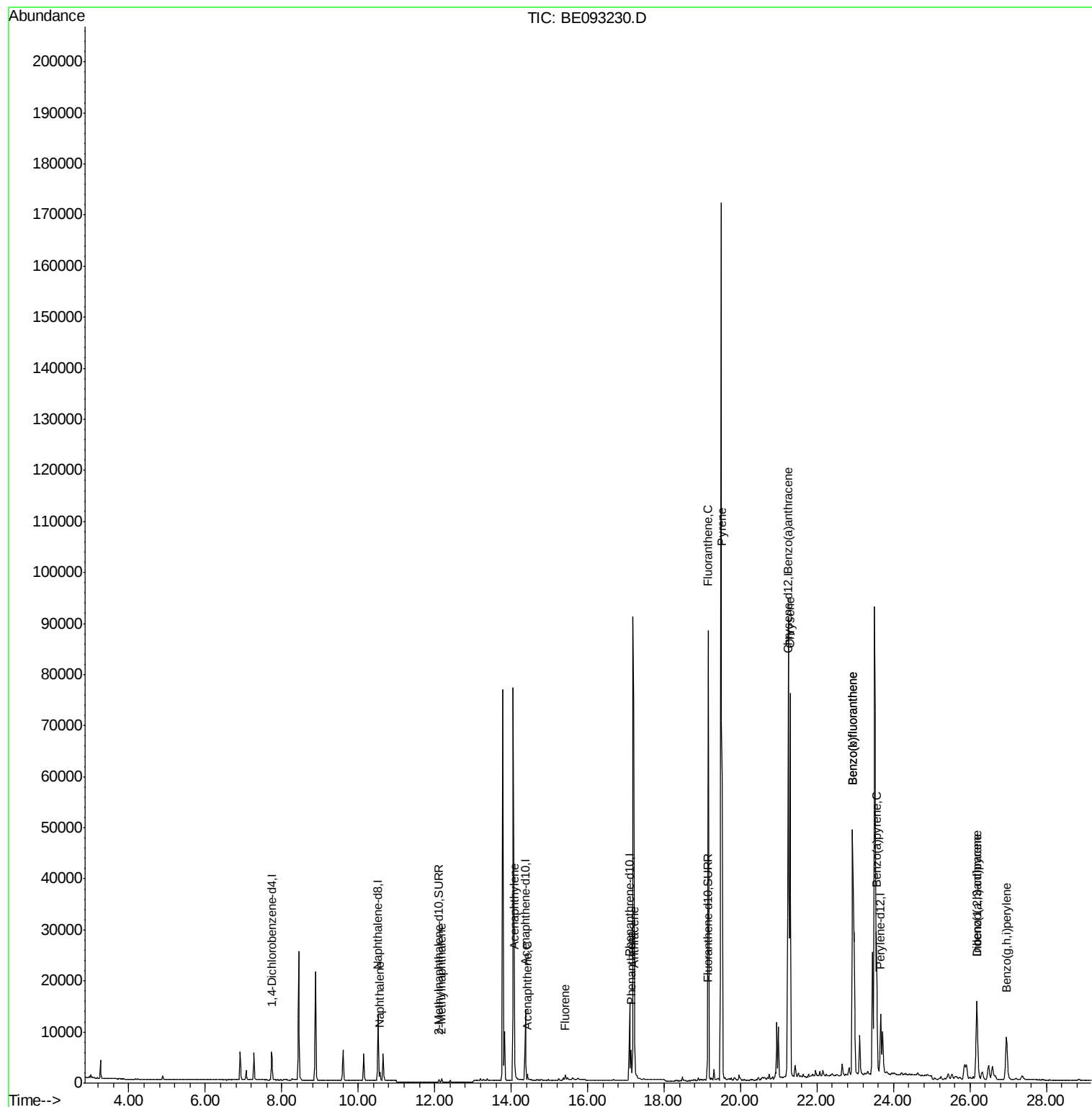
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2621	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13237	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7670	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	18883	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	19830	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	17284	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	639	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1719	0.03	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.57	128	2445	0.07	ng/ul#	95
5) 2-Methylnaphthalene	12.18	142	566	0.03	ng/ul	97
7) Acenaphthylene	14.08	152	8441	0.26	ng/ul	97
8) Acenaphthene	14.43	153	680	0.03	ng/ul	94
9) Fluorene	15.42	166	645	0.02	ng/ul#	84
12) Phenanthrene	17.14	178	6244	0.12	ng/ul#	87
13) Anthracene	17.22	178	14747	0.33	ng/ul#	88
15) Fluoranthene	19.15	202	94003	1.48	ng/ul	84
17) Pyrene	19.51	202	97226	1.66	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	73658	1.39	ng/ul#	86
19) Chrysene	21.30	228	74325	1.35	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	118610	2.26	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	118610	2.13	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	38661	0.78	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	25068	0.44	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	7084	0.15	ng/ul#	91
26) Benzo(a,h,i)perylene	26.96	276	18528	0.38	ng/ul	96

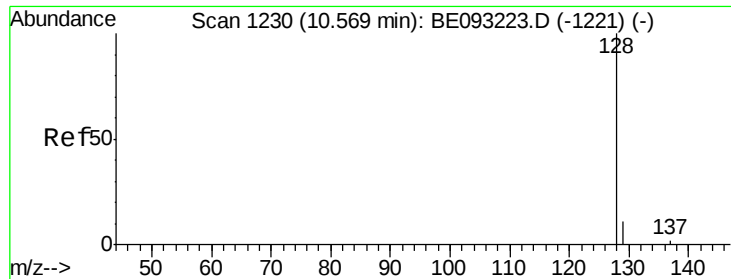
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

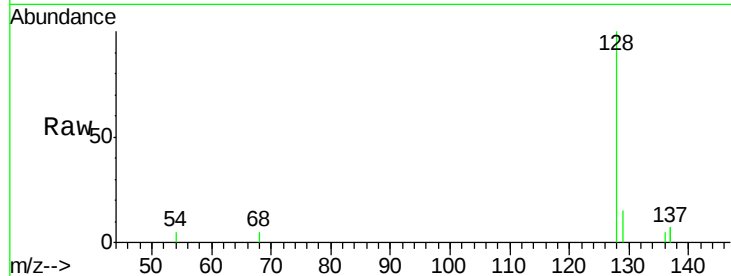
Tot Ion:128 Resp: 2445

Ion Ratio Lower Upper

128 100

129 14.8 11.3 16.9

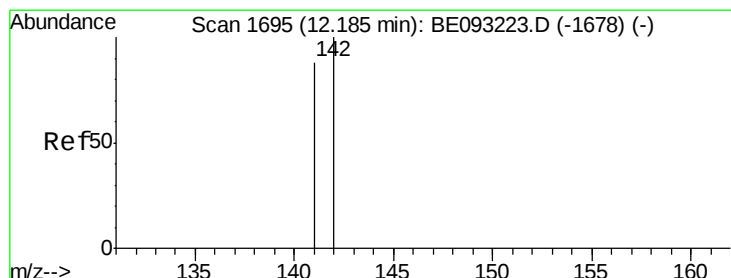
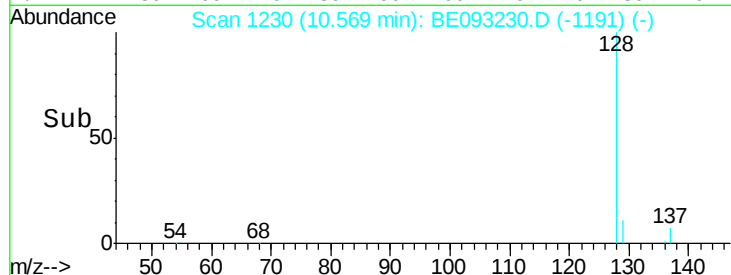
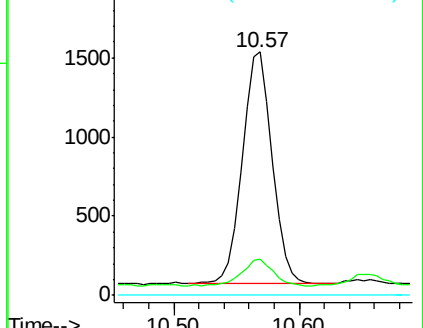
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093230.D

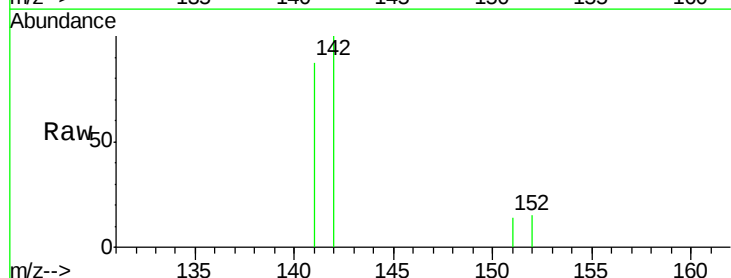
Acq: 16 Jun 2017 4:32

Tgt Ion:142 Resp: 566

Ion Ratio Lower Upper

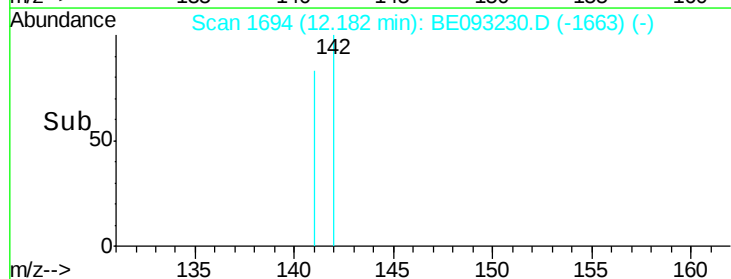
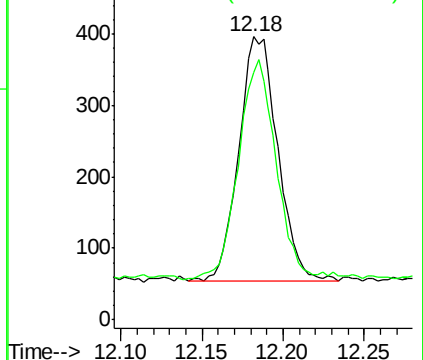
142 100

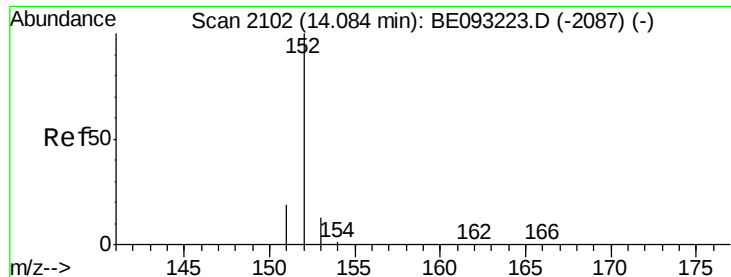
141 87.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

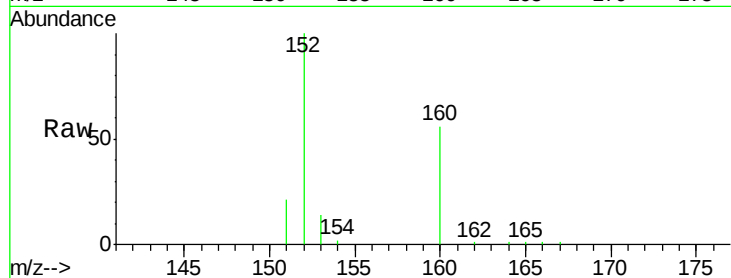
Tot Ion:152 Resp: 8441

Ion Ratio Lower Upper

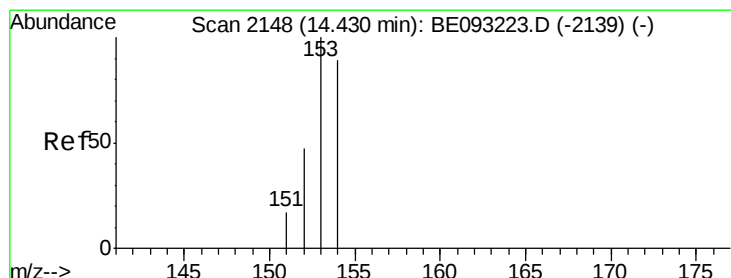
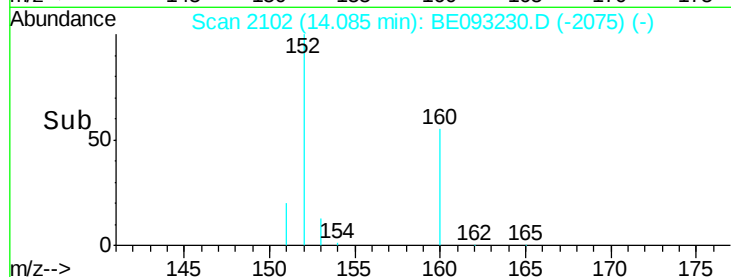
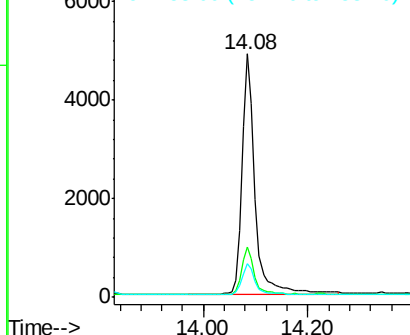
152 100

151 20.5 17.1 25.7

153 13.9 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# 2148

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

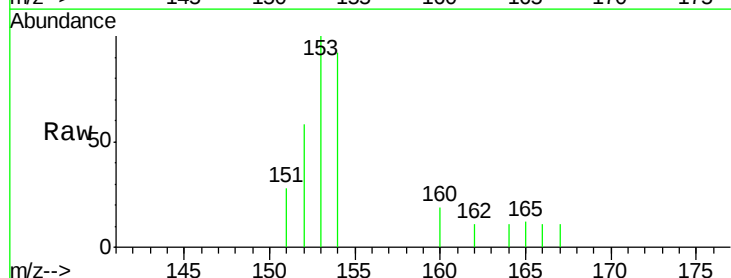
Tgt Ion:153 Resp: 680

Ion Ratio Lower Upper

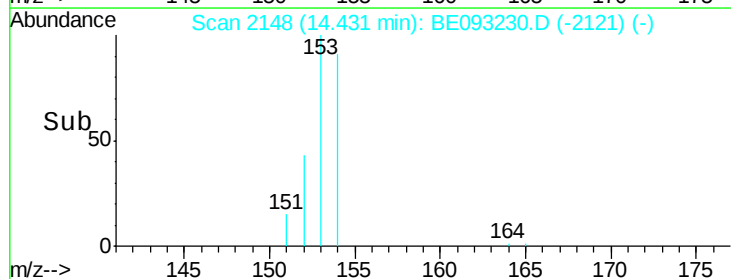
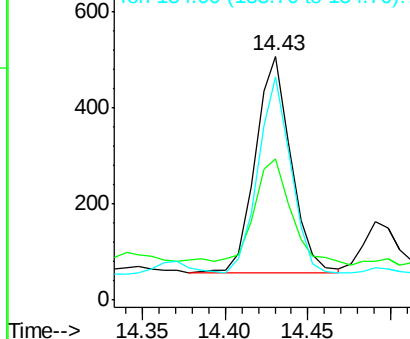
153 100

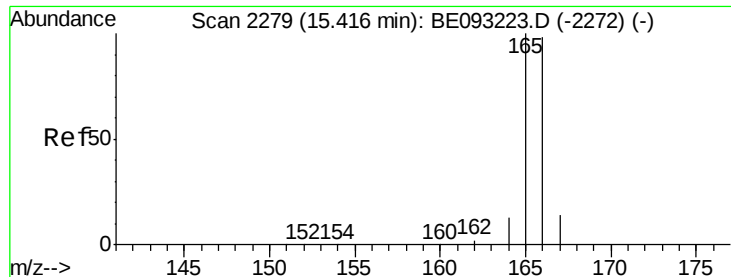
152 58.1 40.3 60.5

154 91.5 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# 2279

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

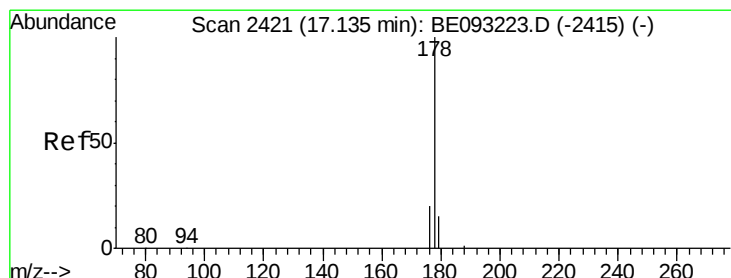
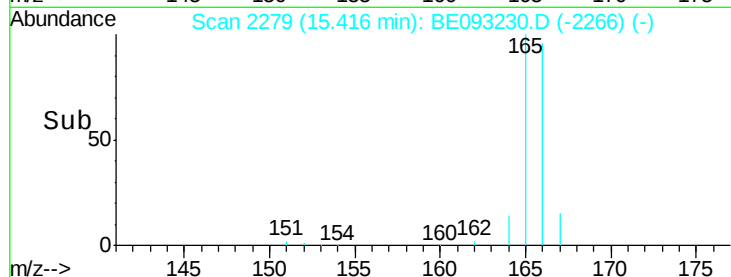
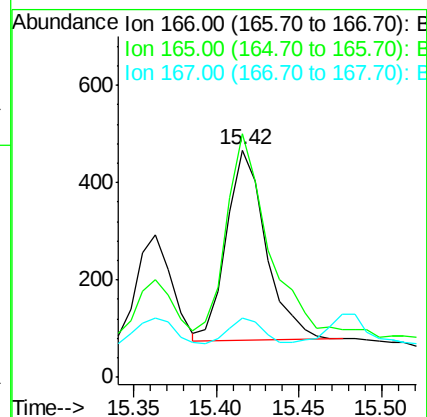
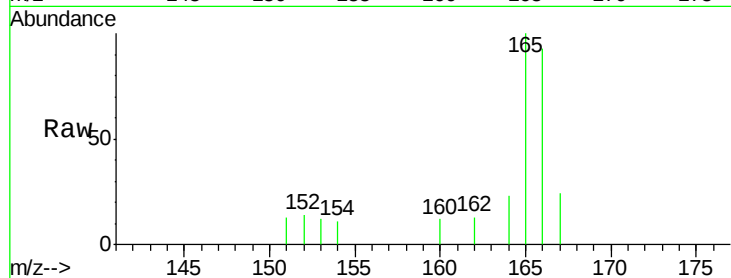
Tot Ion:166 Resp: 645

Ion Ratio Lower Upper

166 100

165 107.1 73.4 110.2

167 26.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.12 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

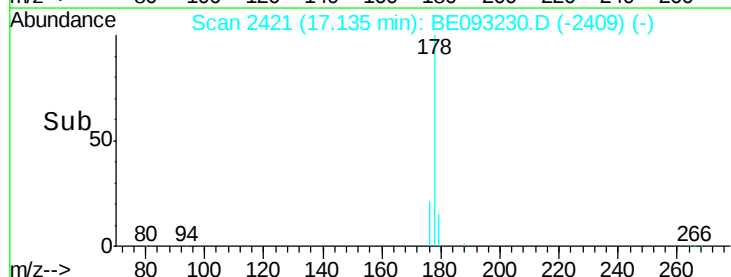
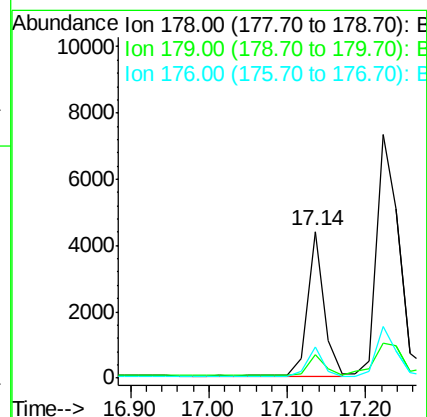
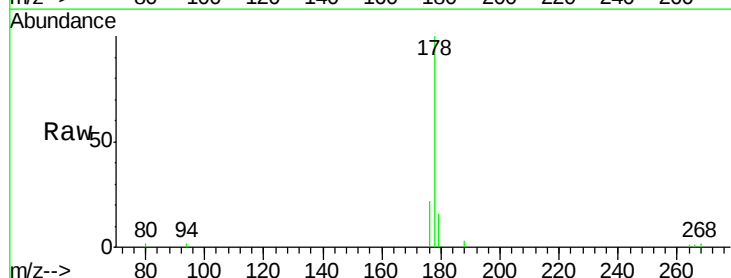
Tgt Ion:178 Resp: 6244

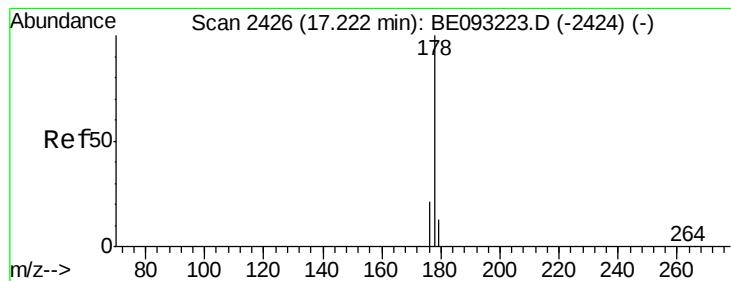
Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

176 21.5 13.6 20.4#





#13

Anthracene

Concen: 0.33 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

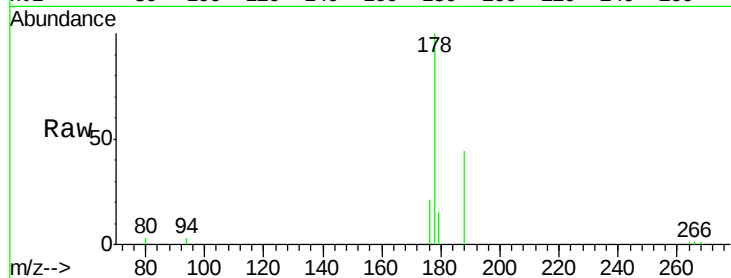
Tot Ion:178 Resp: 14747

Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

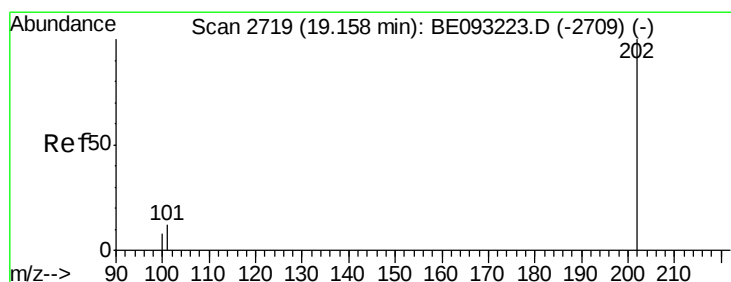
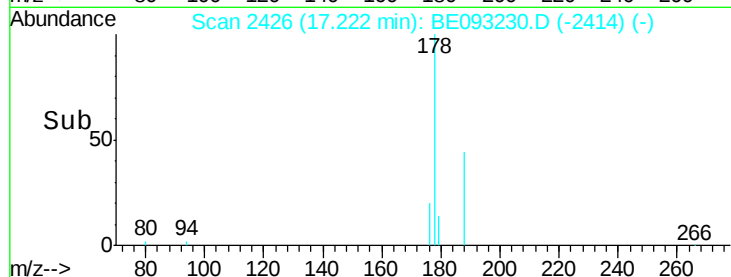
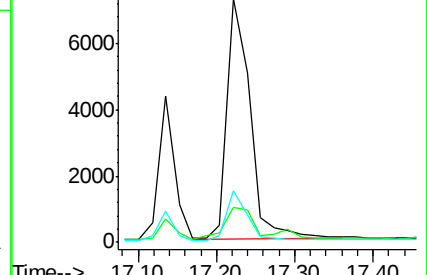
176 21.1 14.7 22.1



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: 1.48 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

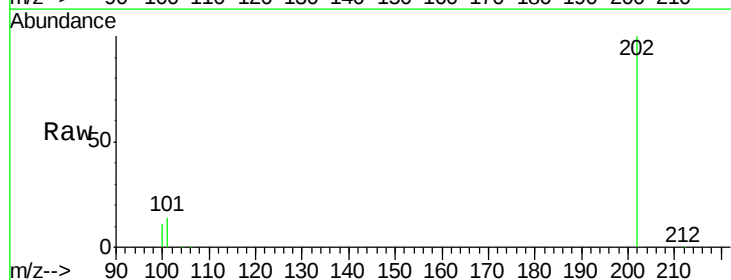
Tgt Ion:202 Resp: 94003

Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.3

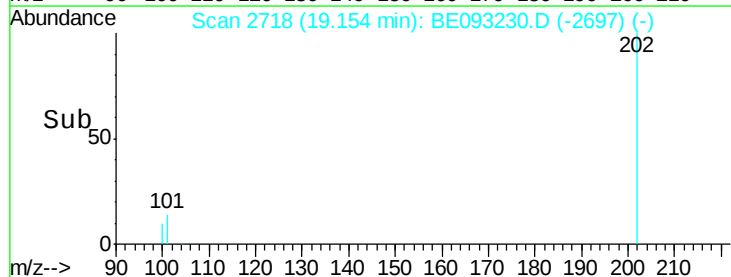
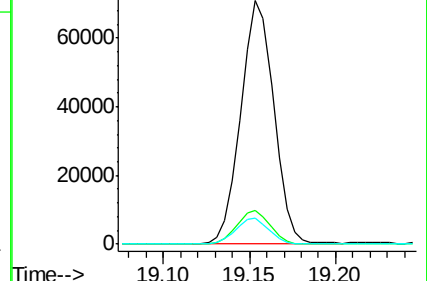
100 10.6 0.0 39.5

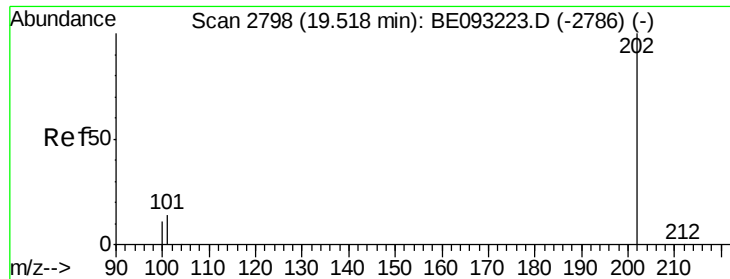


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

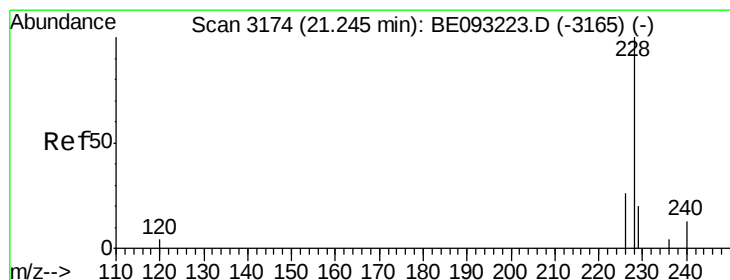
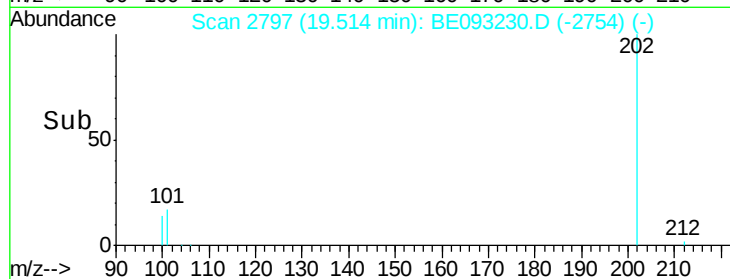
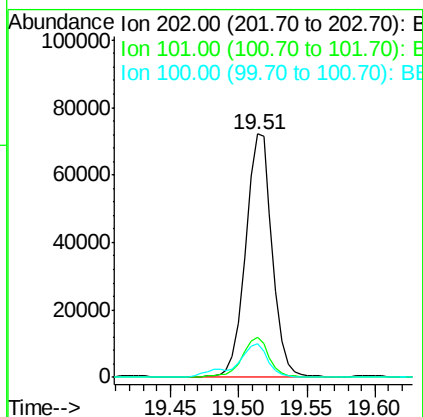
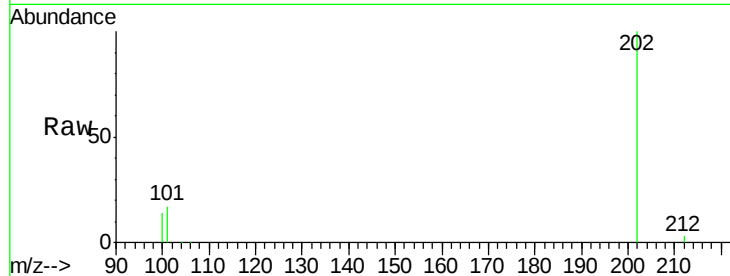




#17
Pvrene
Concen: 1.66 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE093230.D
Acq: 16 Jun 2017 4:32

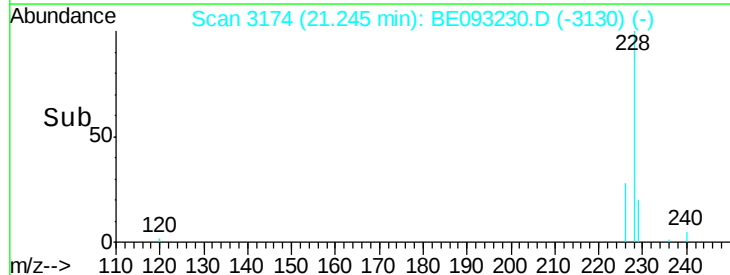
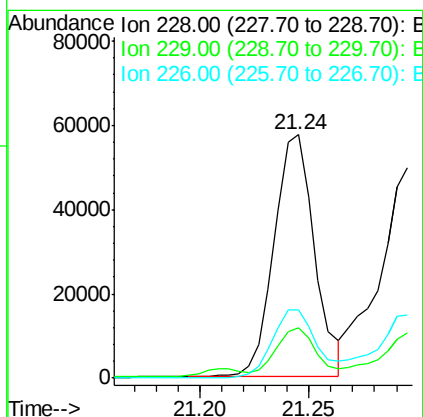
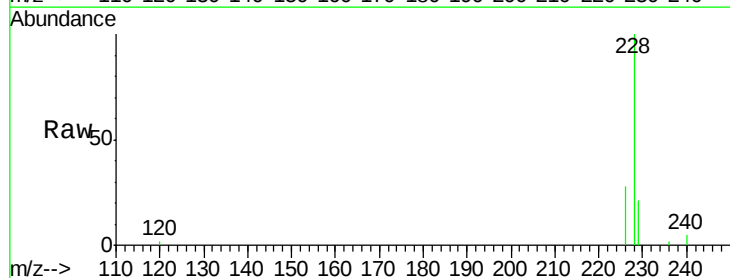
Instrument :
BNA_E
ClientSampleId :

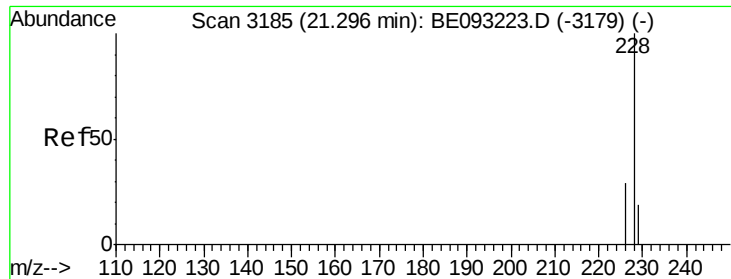
Tot Ion:202 Resp: 97226
Ion Ratio Lower Upper
202 100
101 16.7 18.2 27.4#
100 13.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.39 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093230.D
Acq: 16 Jun 2017 4:32

Tgt Ion:228 Resp: 73658
Ion Ratio Lower Upper
228 100
229 20.8 22.8 34.2#
226 27.9 17.0 25.6#





#19

Chrysene

Concen: 1.35 ng/ul

RT: 21.30 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

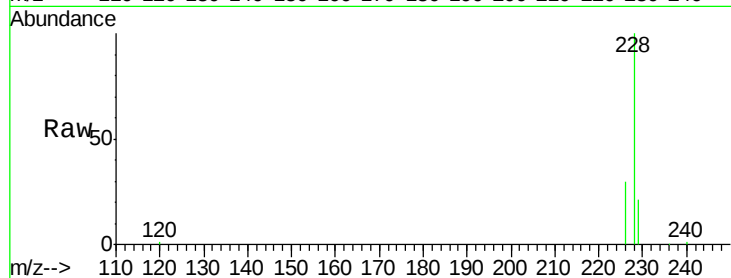
Tot Ion:228 Resp: 74325

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

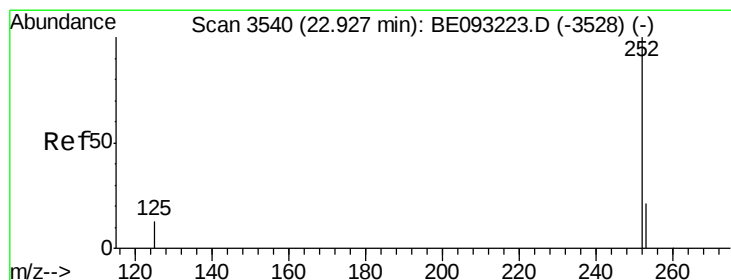
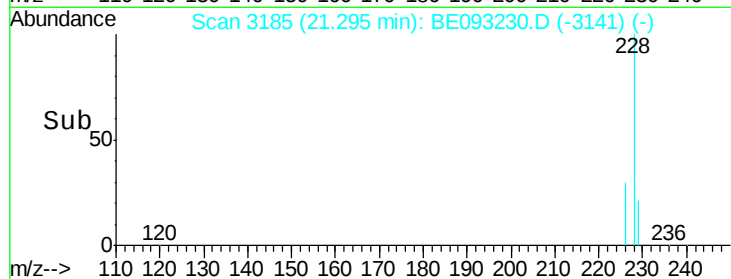
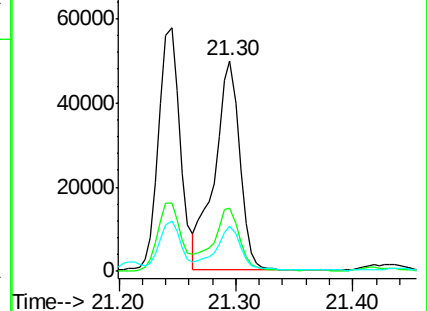
229 21.2 17.7 26.5



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: 2.26 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

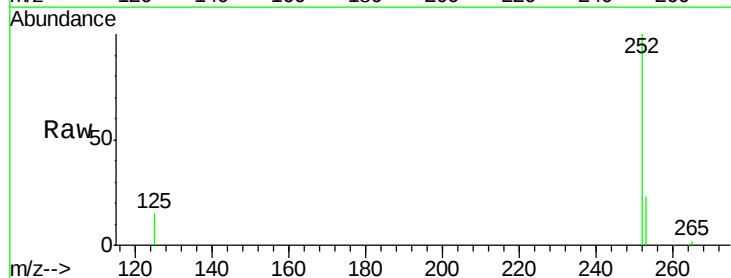
Tgt Ion:252 Resp: 118610

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

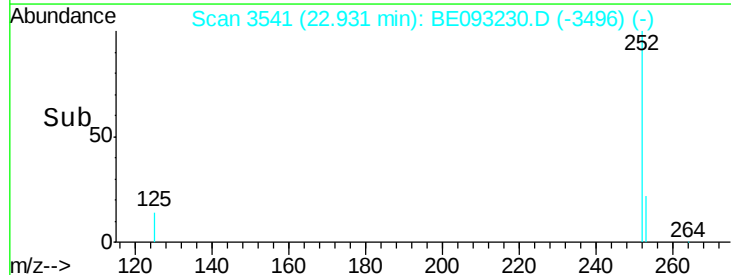
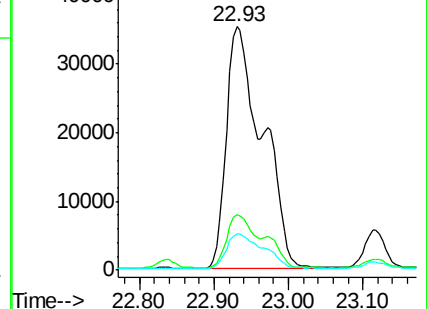
125 14.7 0.0 35.0

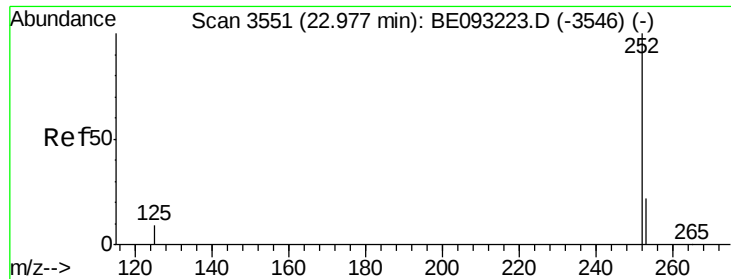


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.13 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.05 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

Instrument :

BNA_E

ClientSampleId :

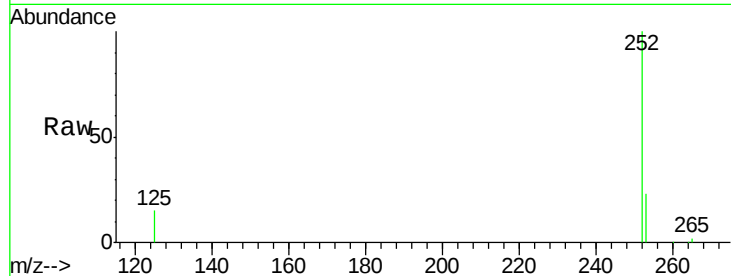
Tot Ion:252 Resp: 118610

Ion Ratio Lower Upper

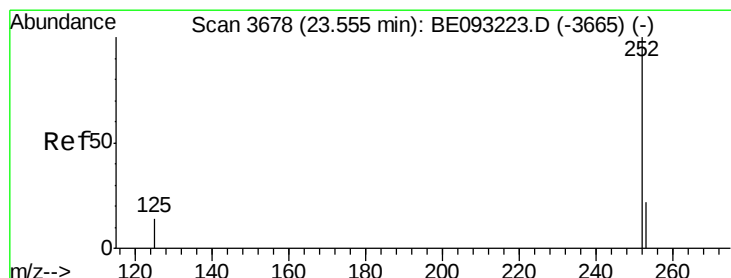
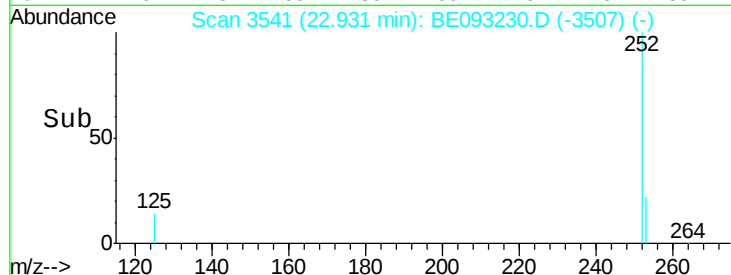
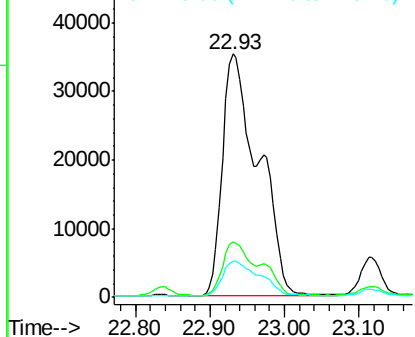
252 100

253 22.9 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: 0.78 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093230.D

Acq: 16 Jun 2017 4:32

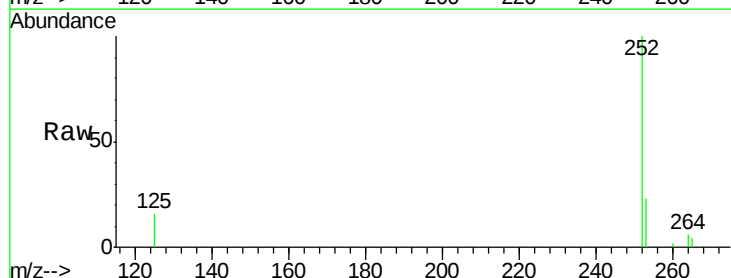
Tgt Ion:252 Resp: 38661

Ion Ratio Lower Upper

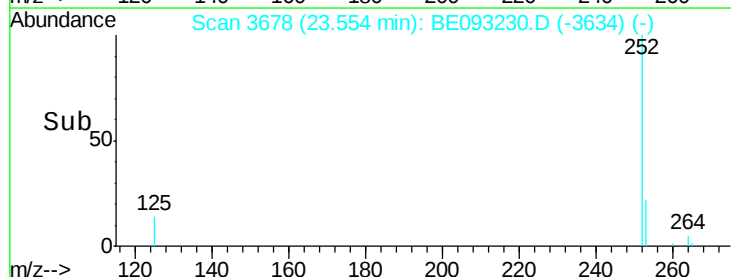
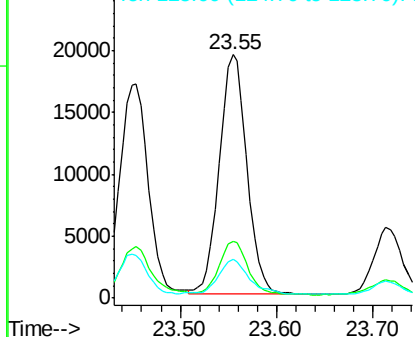
252 100

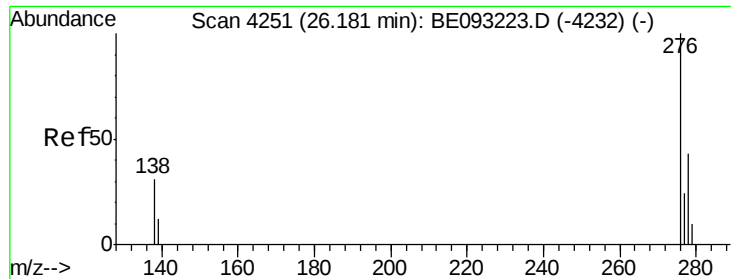
253 23.4 28.5 42.7#

125 15.8 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

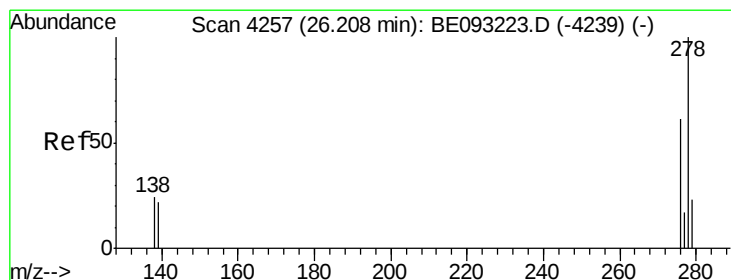
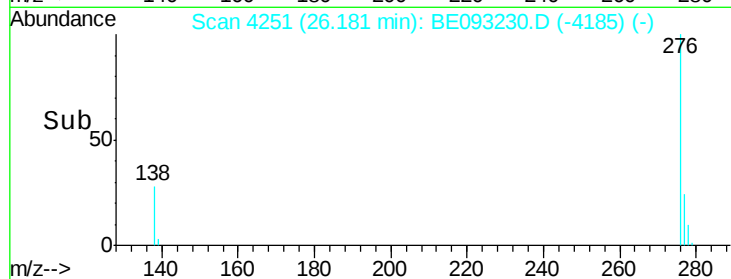
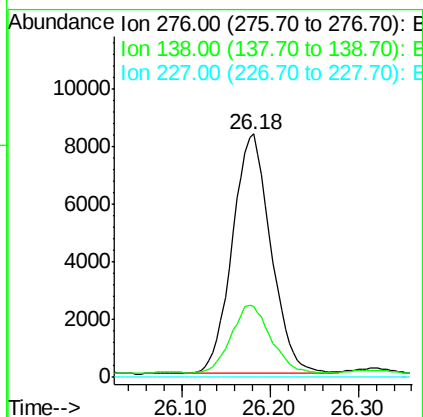
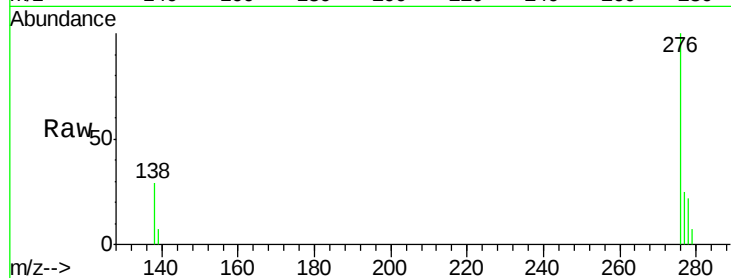




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng/ul
 RT: 26.18 min Scan# 4251
 Delta R.T. 0.00 min
 Lab File: BE093230.D
 Acq: 16 Jun 2017 4:32

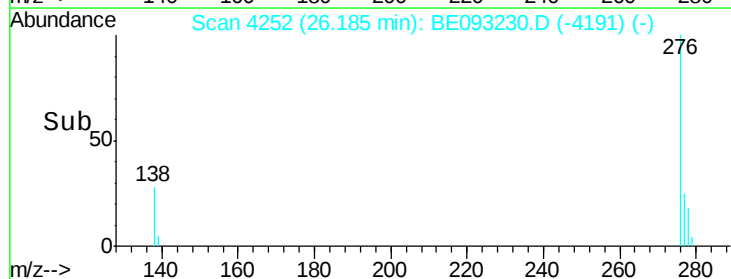
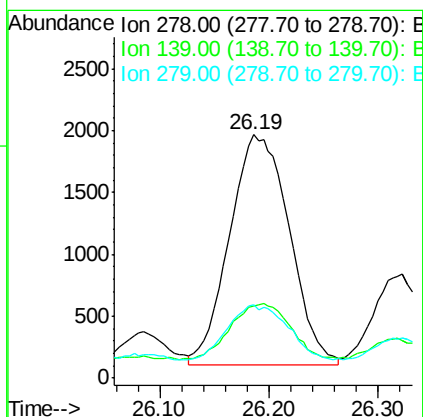
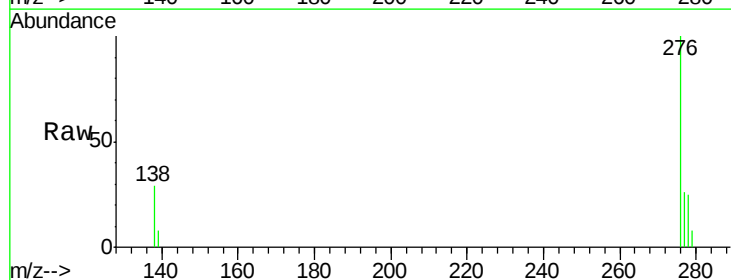
Instrument :
 BNA_E
 ClientSampleId :

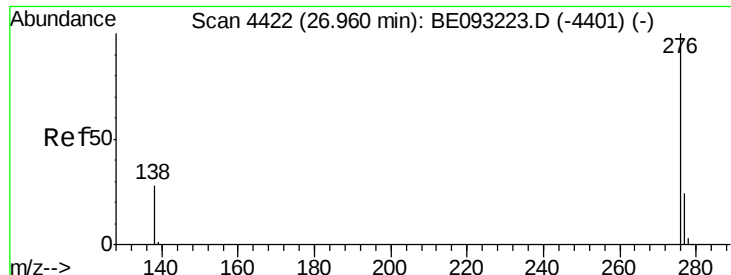
Tot Ion:276 Resp: 25068
 Ion Ratio Lower Upper
 276 100
 138 29.2 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.15 ng/ul
 RT: 26.19 min Scan# 4252
 Delta R.T. -0.02 min
 Lab File: BE093230.D
 Acq: 16 Jun 2017 4:32

Tgt Ion:278 Resp: 7084
 Ion Ratio Lower Upper
 278 100
 139 29.6 17.4 26.0#
 279 29.9 25.9 38.9

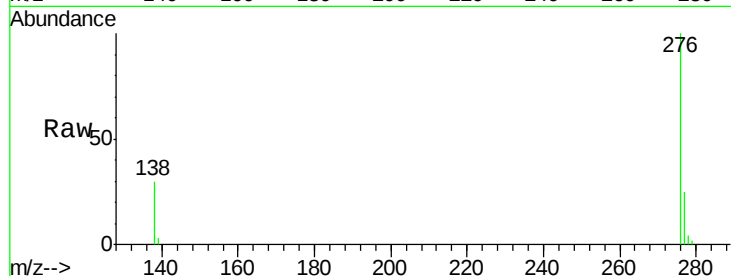




#26
Benzo(a,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. -0.00 min
Lab File: BE093230.D
Acq: 16 Jun 2017 4:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	21.8	32.8
277	24.6	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

