

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093224.D
 Acq On : 16 Jun 2017 00:51
 Operator : SJ/MA
 Sample : I3521-04DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:37:15 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	3103	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16302	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9670	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	22786	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	22905	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	20948	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1176	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	3083	0.05	ng/ul	0.00

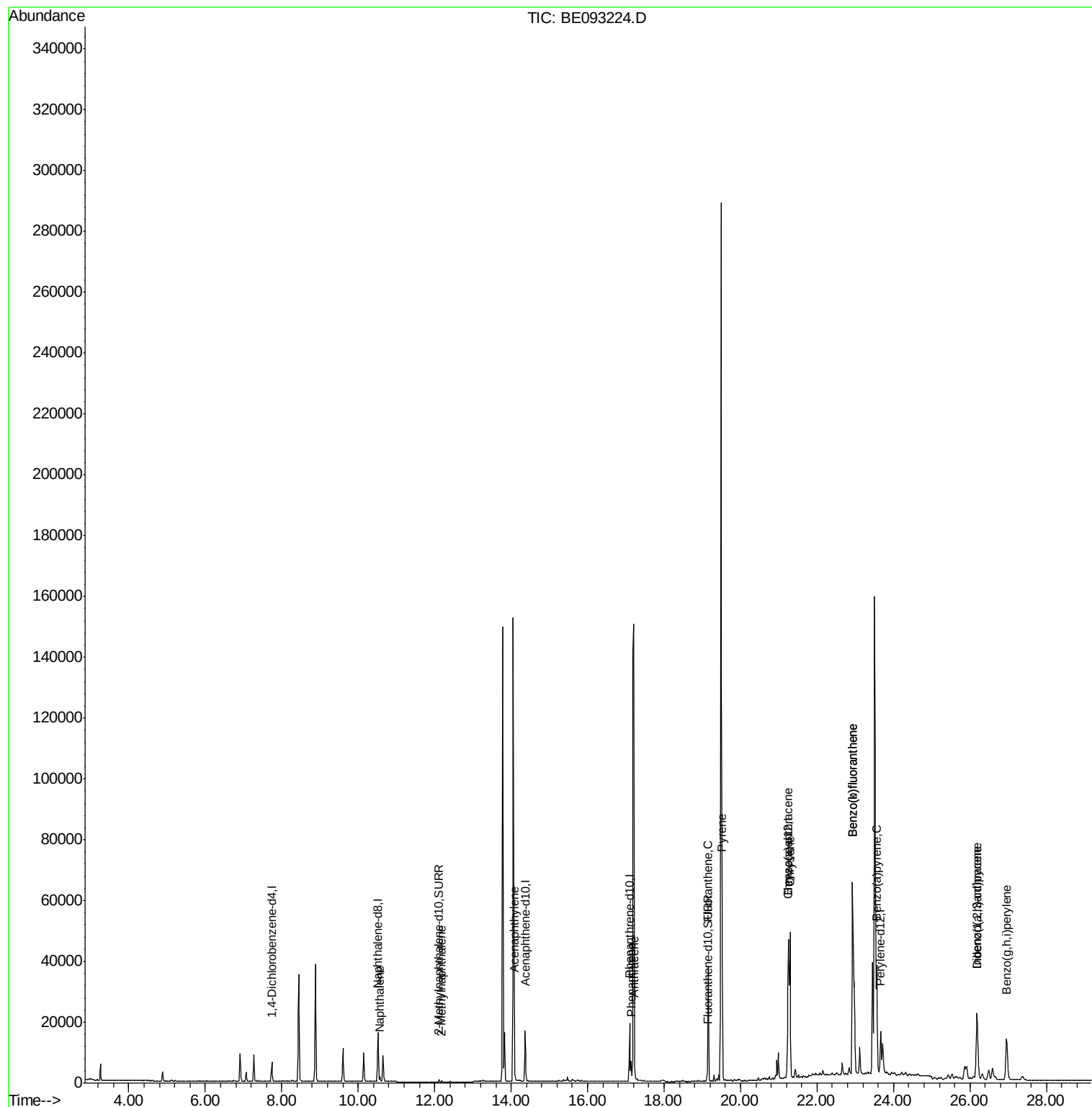
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	2291	0.06	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	615	0.02	ng/ul	100
7) Acenaphthylene	14.09	152	6141	0.15	ng/ul	98
12) Phenanthrene	17.13	178	7097	0.11	ng/ul#	88
13) Anthracene	17.22	178	8308	0.15	ng/ul#	88
15) Fluoranthene	19.16	202	41942	0.55	ng/ul	83
17) Pyrene	19.52	202	57587	0.85	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	35553	0.58	ng/ul#	85
19) Chrysene	21.30	228	56135	0.89	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	144191	2.27	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	144191	2.14	ng/ul#	90
23) Benzo(a)pyrene	23.56	252	48450	0.81	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	36051	0.52	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	9589	0.16	ng/ul#	87
26) Benzo(g,h,i)perylene	26.96	276	29393	0.49	ng/ul	96

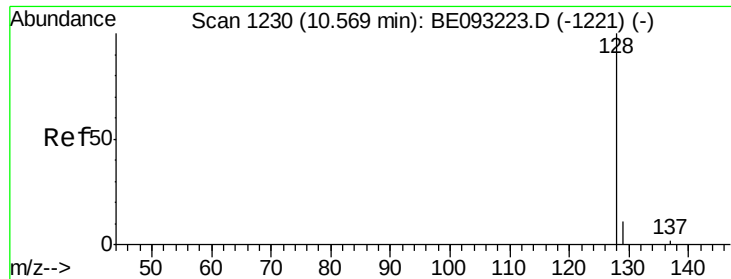
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Naphthalene

Concen: 0.06 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :

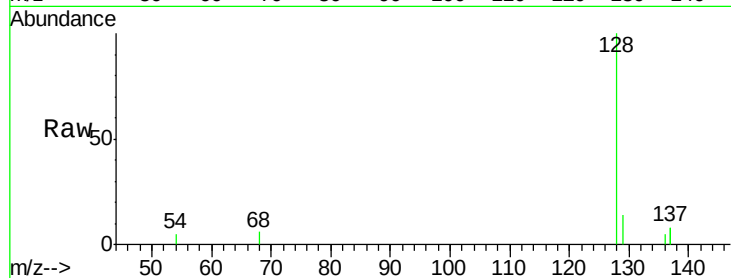
Tot Ion:128 Resp: 2291

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

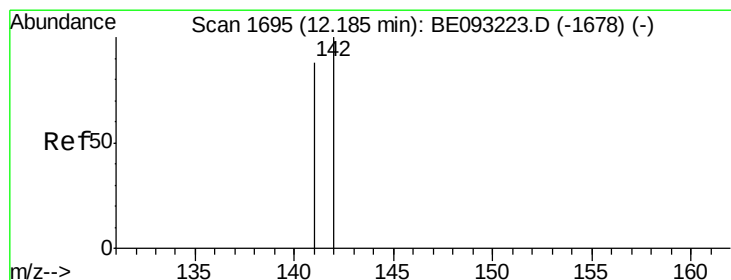
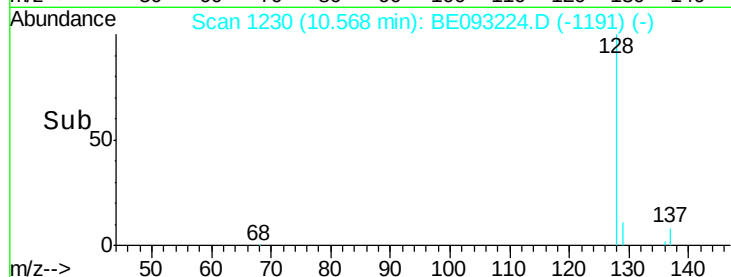
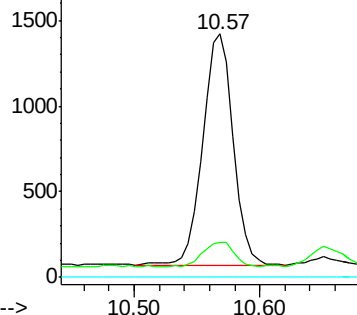
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093224.D

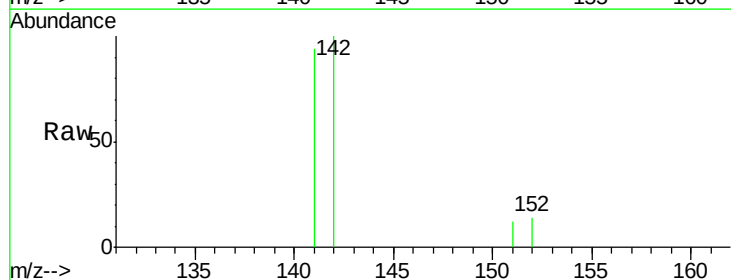
Acq: 16 Jun 2017 00:51

Tgt Ion:142 Resp: 615

Ion Ratio Lower Upper

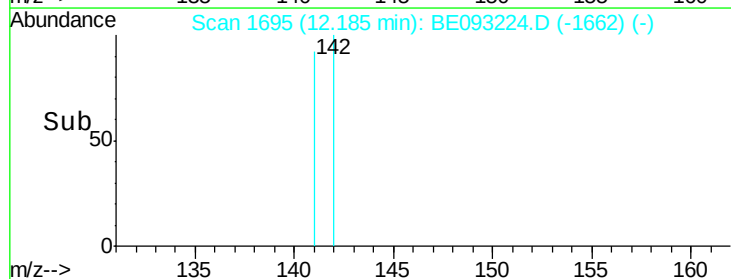
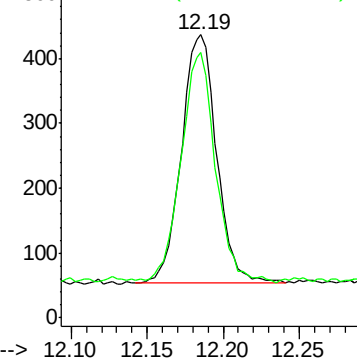
142 100

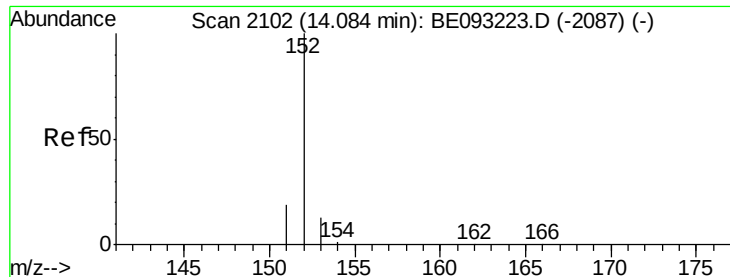
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.15 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :

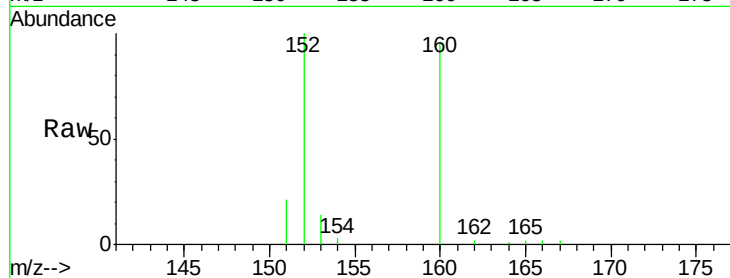
Tot Ion:152 Resp: 6141

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

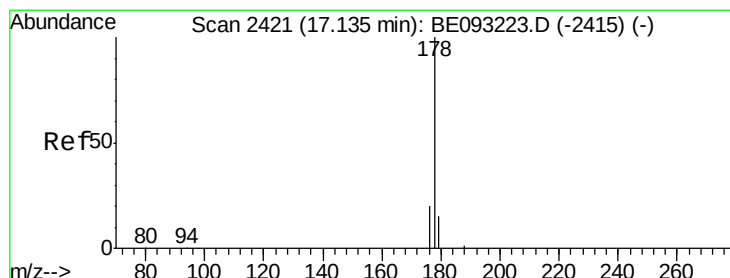
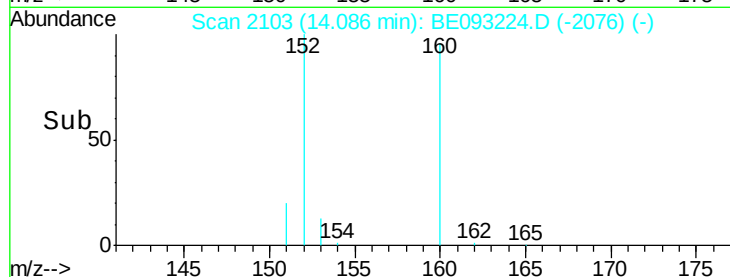
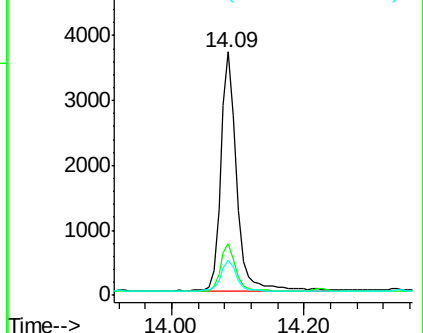
153 14.1 12.8 19.2



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



#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

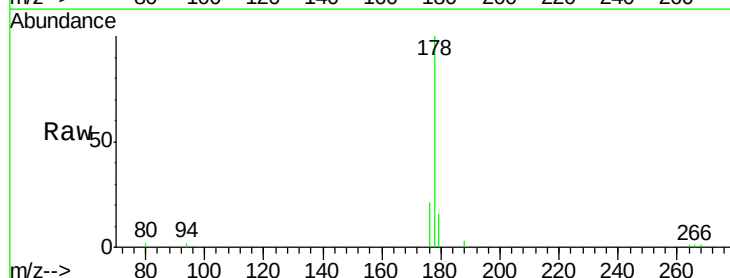
Tgt Ion:178 Resp: 7097

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

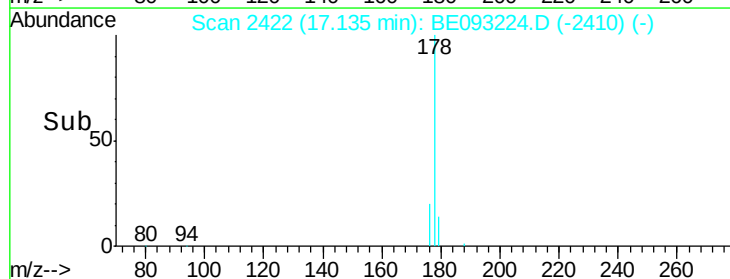
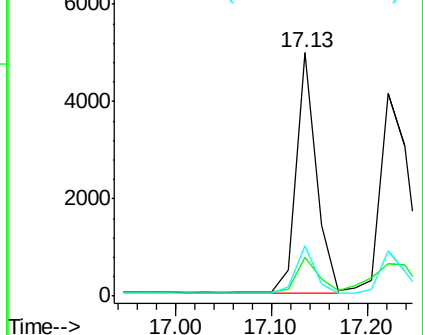
176 20.7 13.6 20.4#

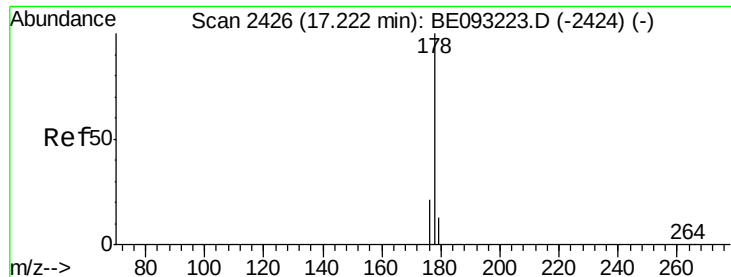


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.15 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :

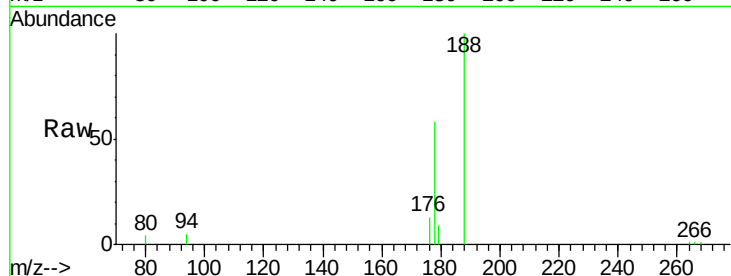
Tot Ion:178 Resp: 8308

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

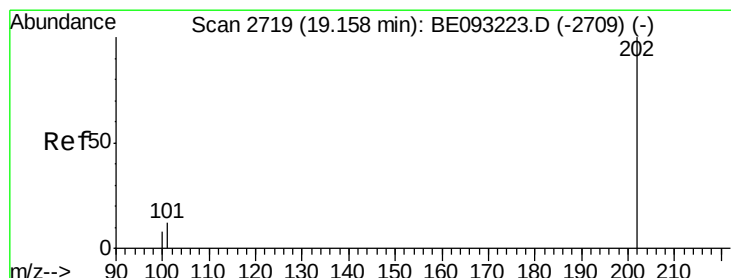
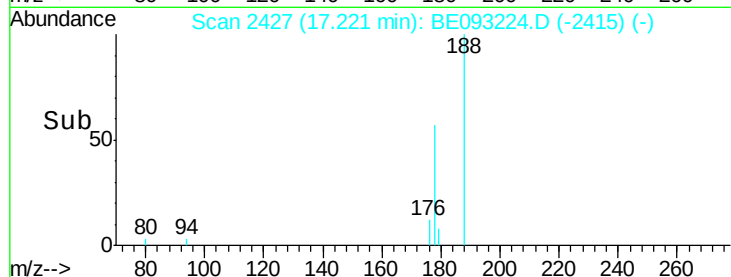
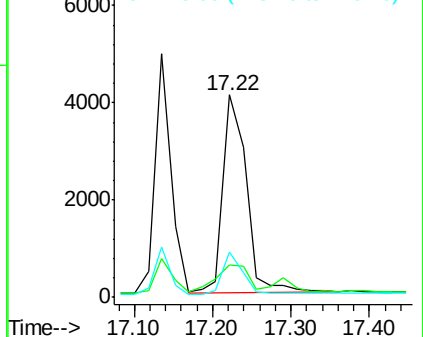
176 22.3 14.7 22.1#



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: 0.55 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

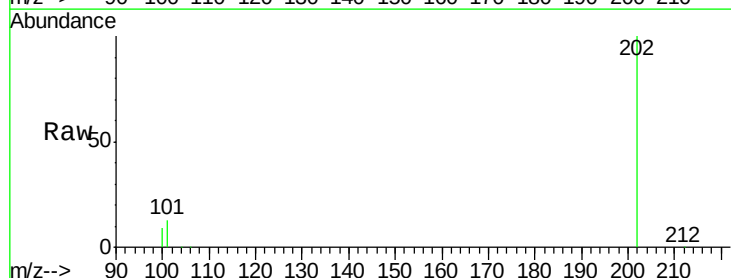
Tgt Ion:202 Resp: 41942

Ion Ratio Lower Upper

202 100

101 12.9 0.0 30.3

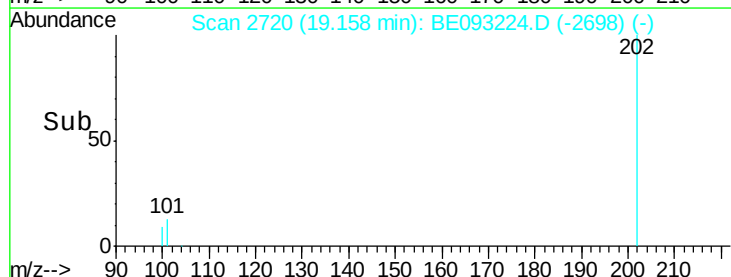
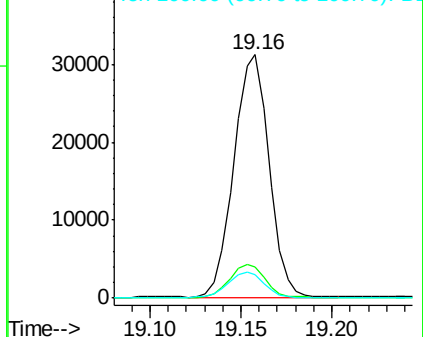
100 9.4 0.0 39.5

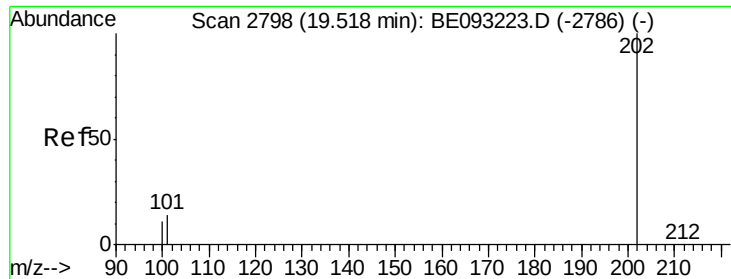


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

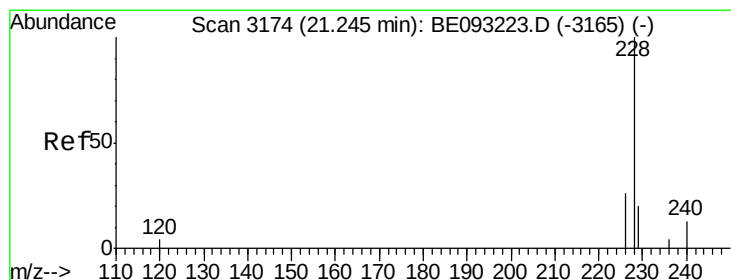
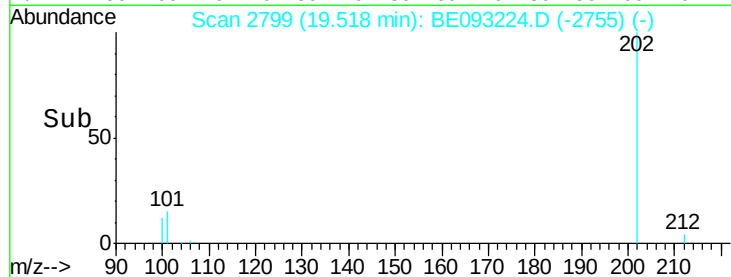
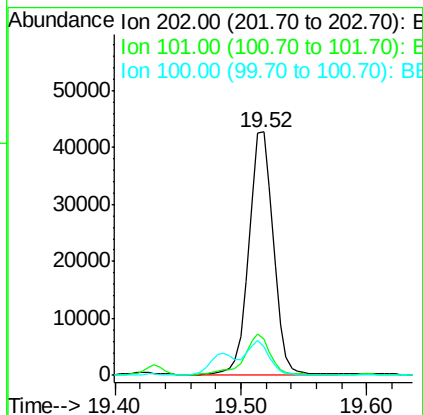
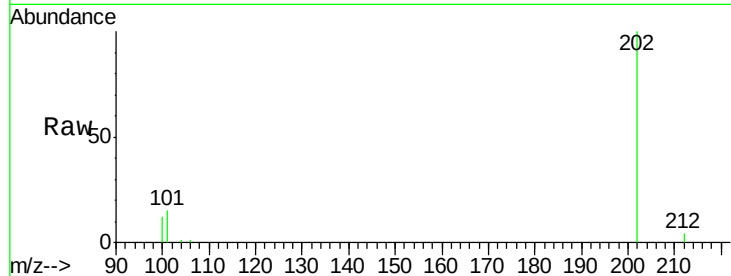




#17
Pvrene
Concen: 0.85 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093224.D
Acq: 16 Jun 2017 00:51

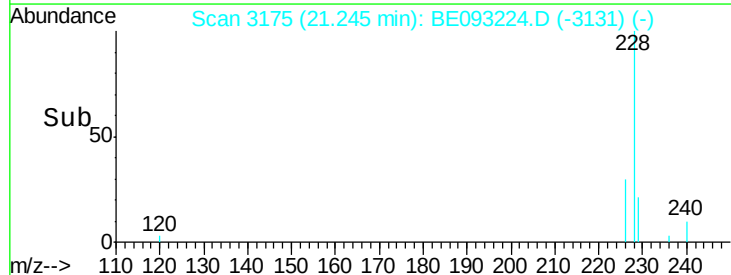
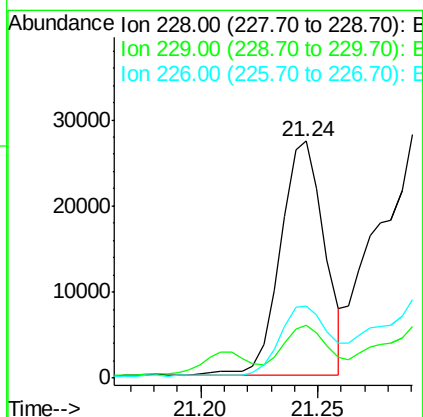
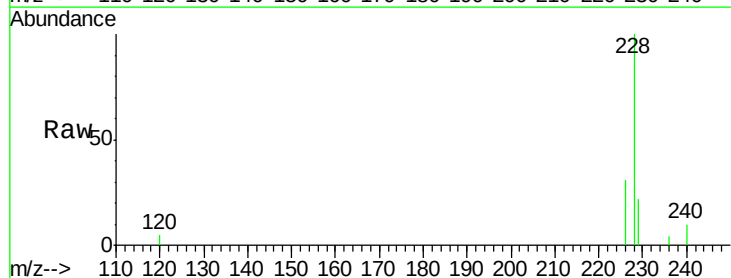
Instrument :
BNA_E
ClientSampled :

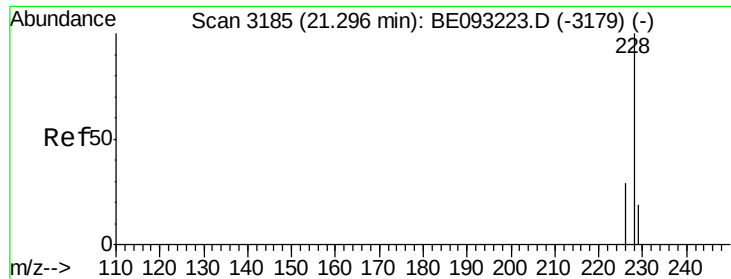
Tot Ion:202 Resp: 57587
Ion Ratio Lower Upper
202 100
101 15.0 18.2 27.4#
100 11.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.58 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BE093224.D
Acq: 16 Jun 2017 00:51

Tgt Ion:228 Resp: 35553
Ion Ratio Lower Upper
228 100
229 22.3 22.8 34.2#
226 30.7 17.0 25.6#





#19

Chrysene

Concen: 0.89 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :

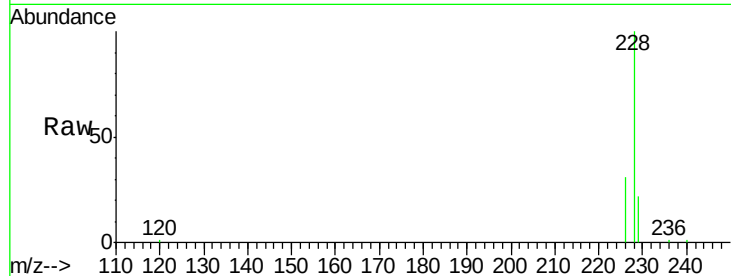
Tot Ion:228 Resp: 56135

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

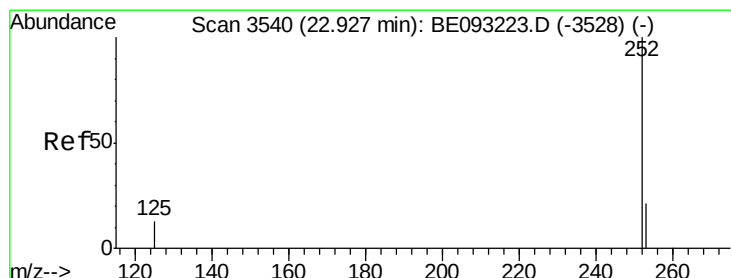
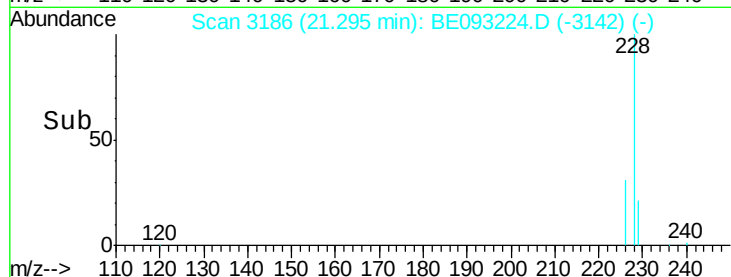
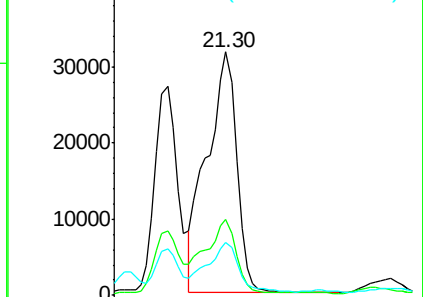
229 21.7 17.7 26.5



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: 2.27 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

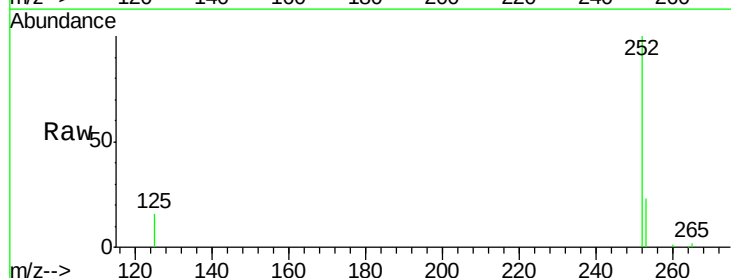
Tgt Ion:252 Resp: 144191

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

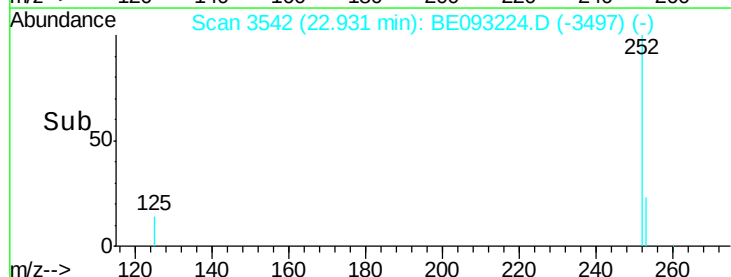
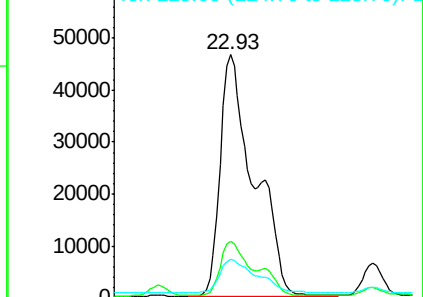
125 15.9 0.0 35.0

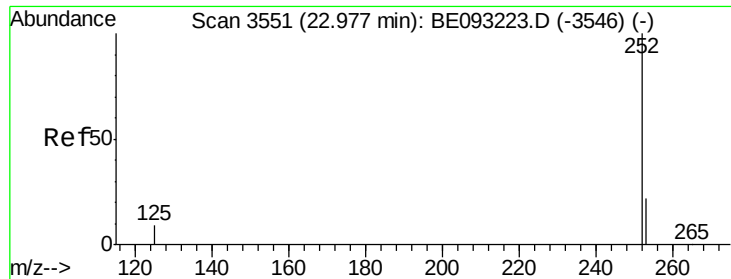


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.14 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :

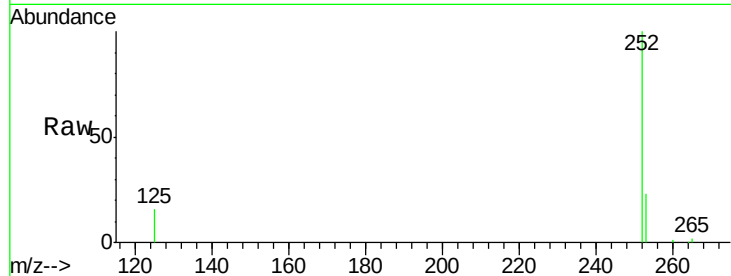
Tot Ion:252 Resp: 144191

Ion Ratio Lower Upper

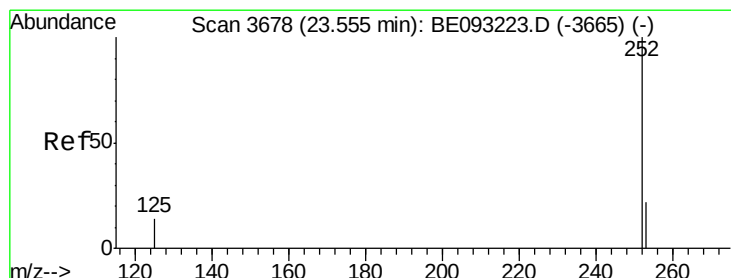
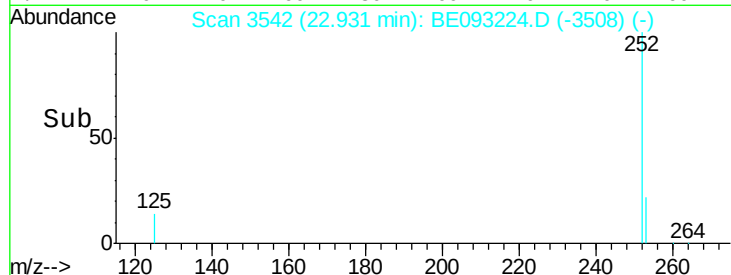
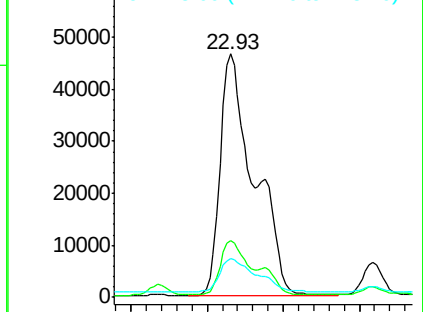
252 100

253 23.2 24.5 36.7#

125 15.9 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: 0.81 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

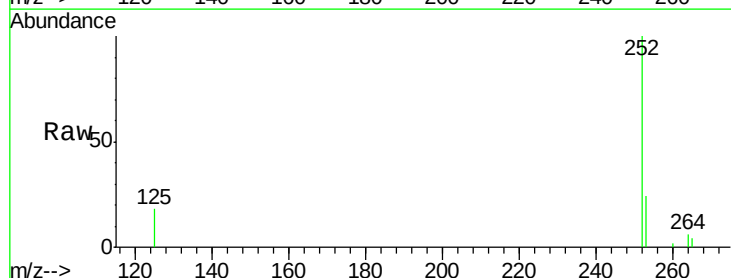
Tgt Ion:252 Resp: 48450

Ion Ratio Lower Upper

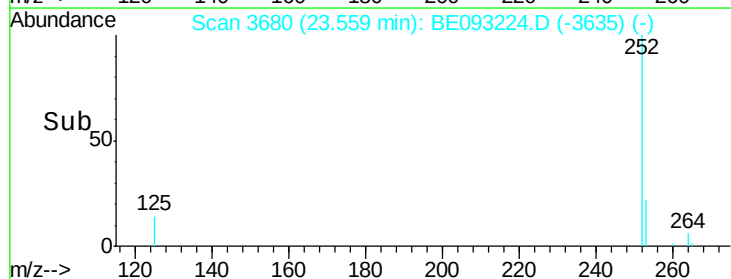
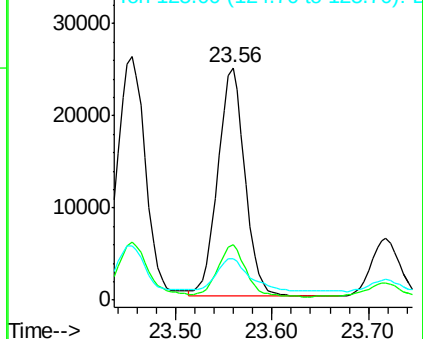
252 100

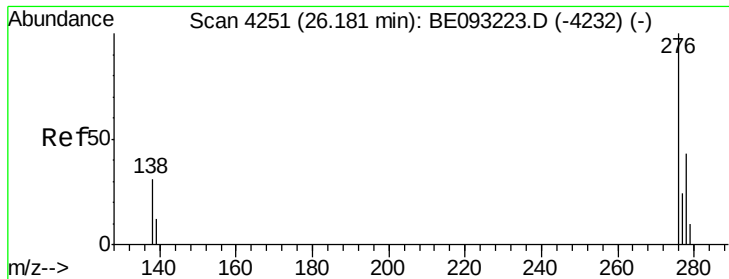
253 24.1 28.5 42.7#

125 18.0 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

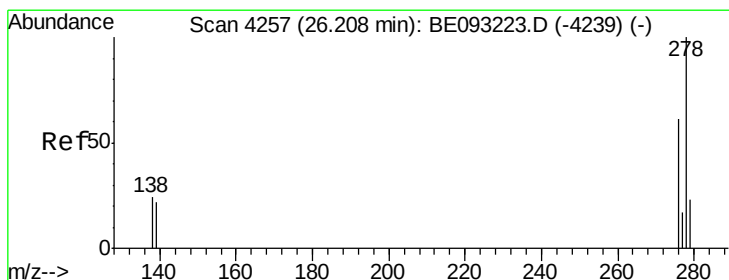
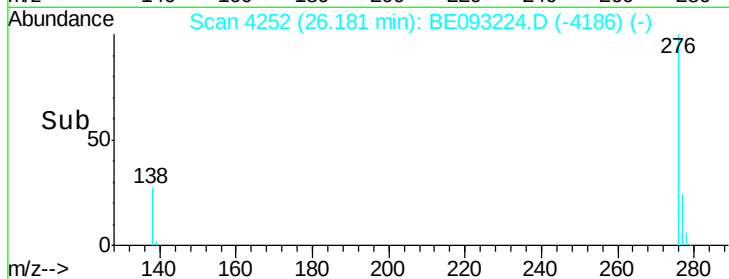
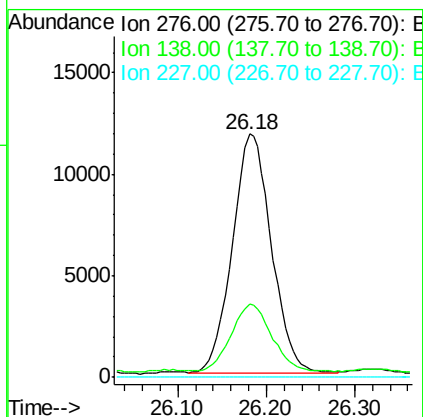
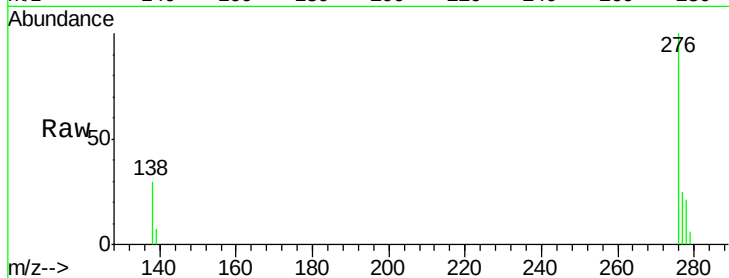




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.52 ng/ul
 RT: 26.18 min Scan# 4252
 Delta R.T. -0.00 min
 Lab File: BE093224.D
 Acq: 16 Jun 2017 00:51

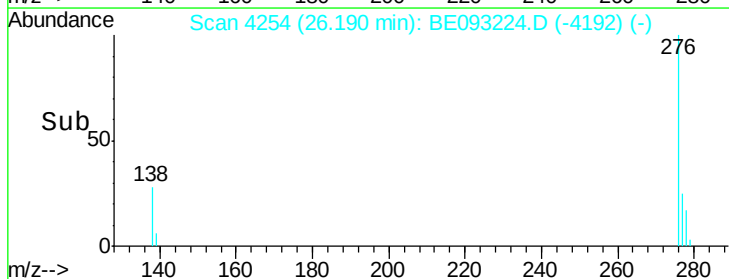
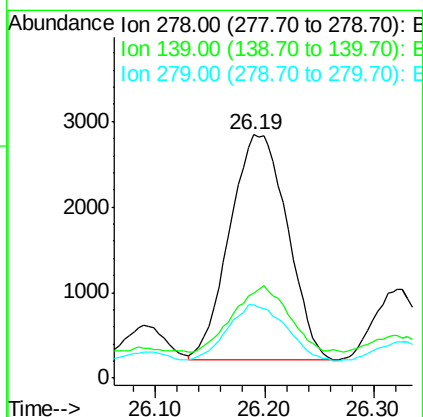
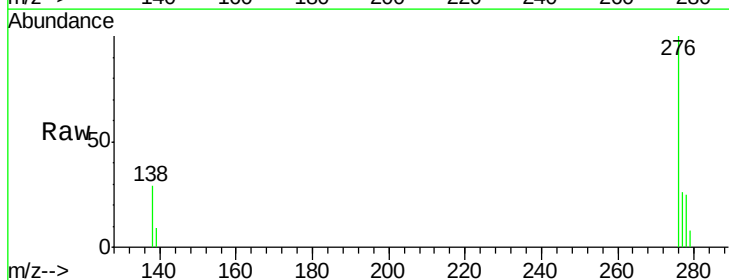
Instrument :
 BNA_E
 ClientSampleId :

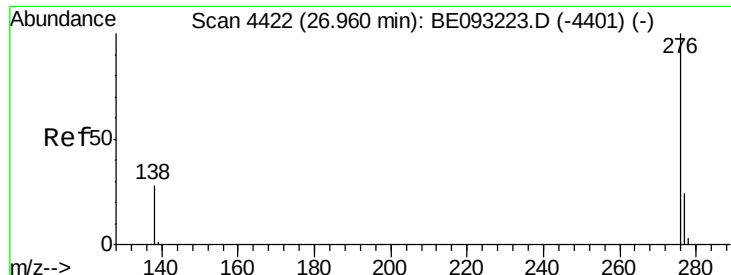
Tot Ion:276 Resp: 36051
 Ion Ratio Lower Upper
 276 100
 138 29.6 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.16 ng/ul
 RT: 26.19 min Scan# 4254
 Delta R.T. -0.02 min
 Lab File: BE093224.D
 Acq: 16 Jun 2017 00:51

Tgt Ion:278 Resp: 9589
 Ion Ratio Lower Upper
 278 100
 139 34.6 17.4 26.0#
 279 30.0 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.49 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.00 min

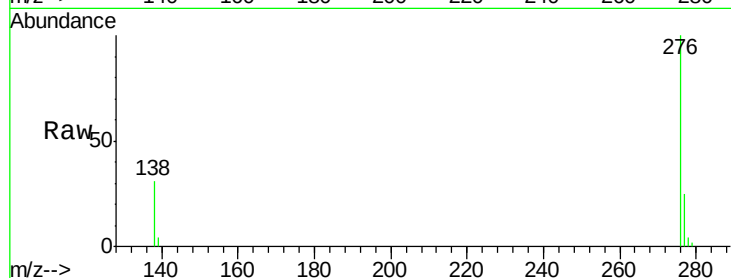
Lab File: BE093224.D

Acq: 16 Jun 2017 00:51

Instrument :

BNA_E

ClientSampleId :



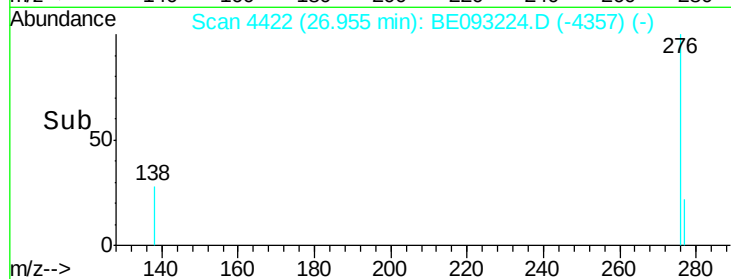
Tot Ion: 276 Resp: 29393

Ion Ratio Lower Upper

276 100

138 31.2 21.8 32.8

277 25.3 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

