

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081517\
 Data File : BE093821.D
 Acq On : 15 Aug 2017 23:31
 Operator : SJ/JU
 Sample : I4672-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3

Quant Time: Aug 16 07:37:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 07:30:49 2017
 Response via : Initial Calibration

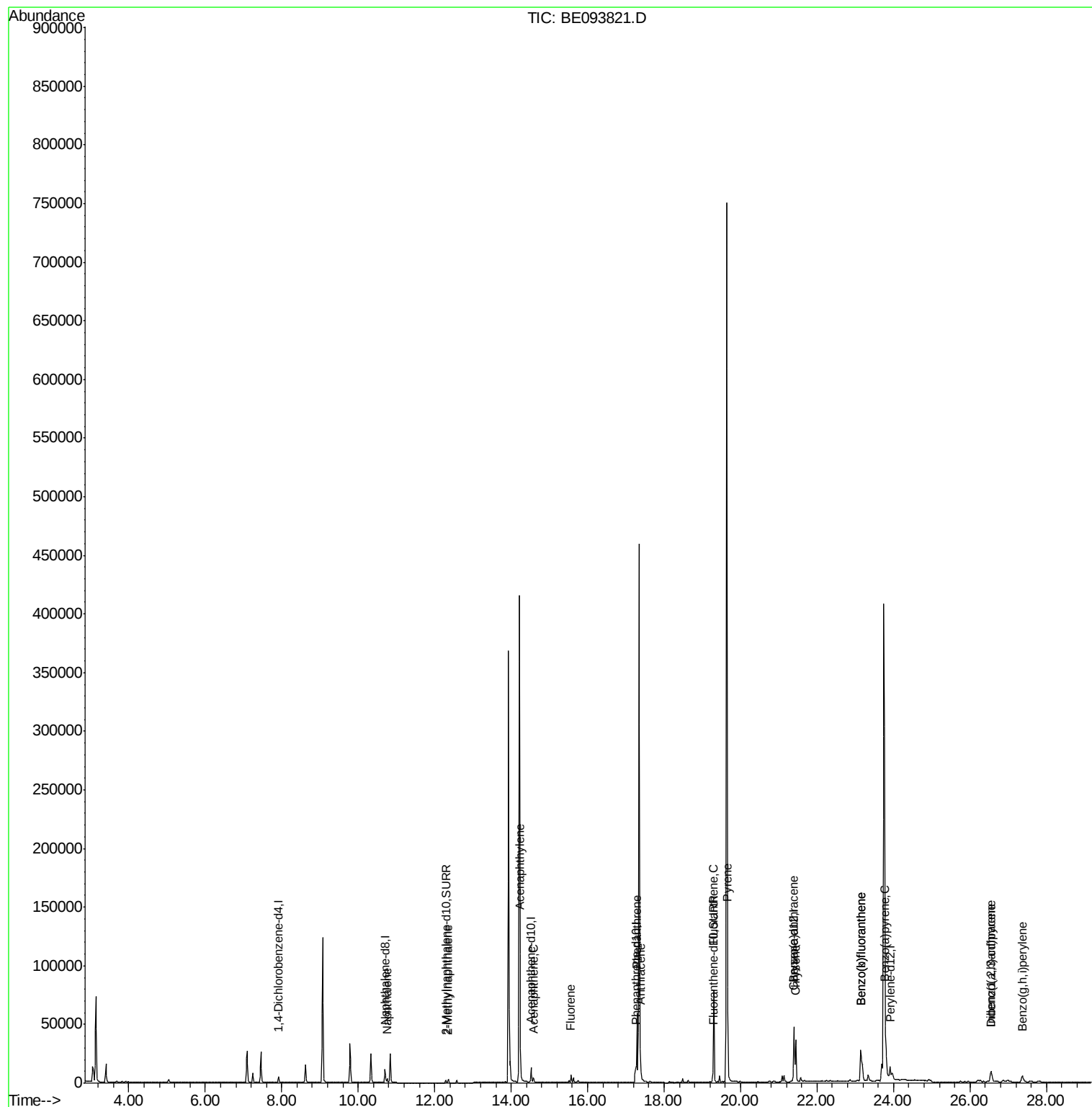
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2361	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12694	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7566	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16044	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16942	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	20983	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3562	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8776	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	4990	0.162	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	2629	0.117	ng/ul	98
7) Acenaphthylene	14.24	152	2201	0.070	ng/ul#	93
8) Acenaphthene	14.59	153	2256	0.091	ng/ul	98
9) Fluorene	15.57	166	4211	0.134	ng/ul	95
12) Phenanthrene	17.29	178	64666	1.480	ng/ul#	90
13) Anthracene	17.38	178	16177	0.380	ng/ul#	91
15) Fluoranthene	19.30	202	91869	1.681	ng/ul	83
17) Pyrene	19.66	202	78919	1.596	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	41194	0.839	ng/ul#	86
19) Chrysene	21.45	228	36659	0.778	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	69269	1.067	ng/ul	88
22) Benzo(k)fluoranthene	23.14	252	69183	1.081	ng/ul#	90
23) Benzo(a)pyrene	23.80	252	33939	0.550	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.55	276	18557	0.272	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.55	278	4366	0.077	ng/ul#	90
26) Benzo(a,h,i)perylene	27.37	276	14671	0.255	ng/ul	98

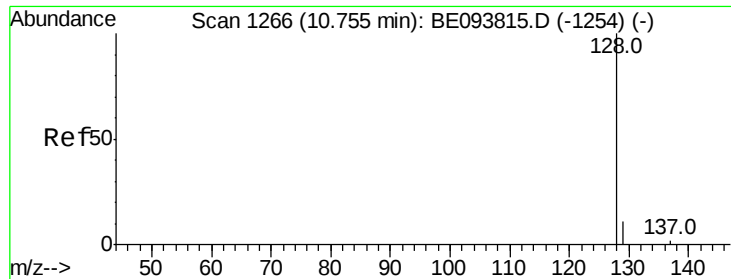
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.162 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

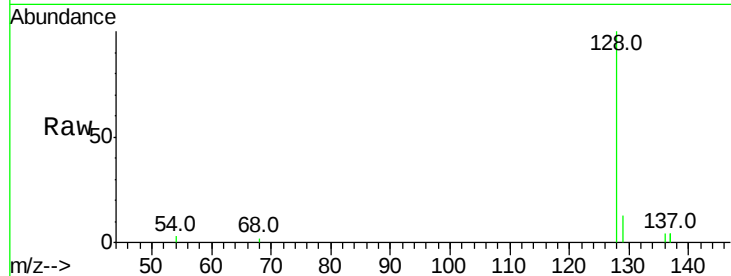
Tot Ion:128 Resp: 4990

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

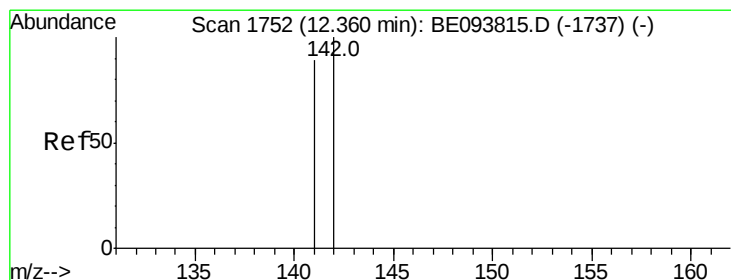
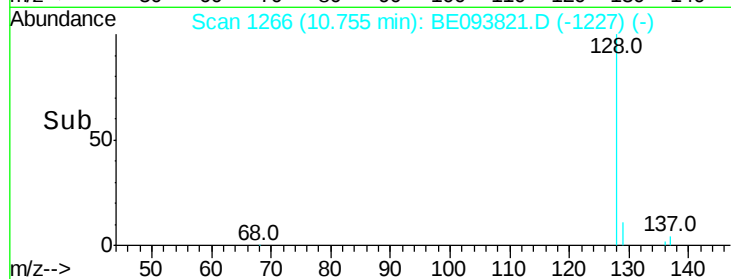
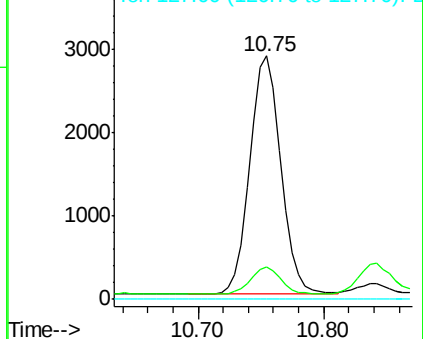
127 0.0 4.0 6.0#



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: 0.117 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093821.D

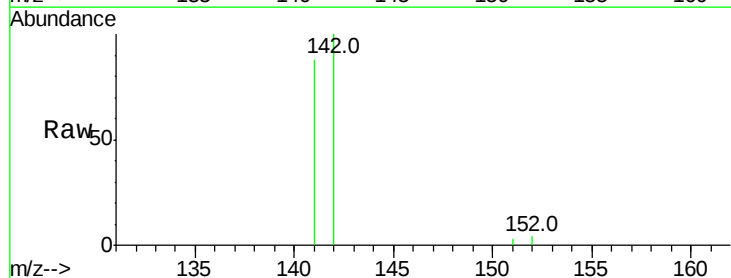
Acq: 15 Aug 2017 23:31

Tgt Ion:142 Resp: 2629

Ion Ratio Lower Upper

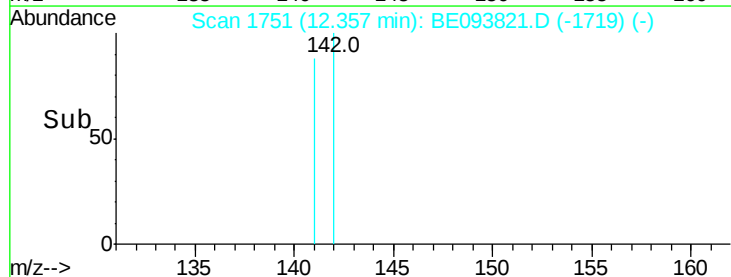
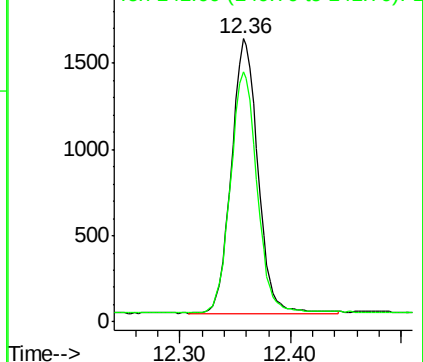
142 100

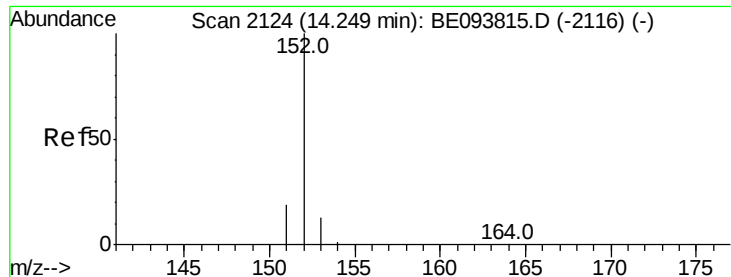
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.070 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

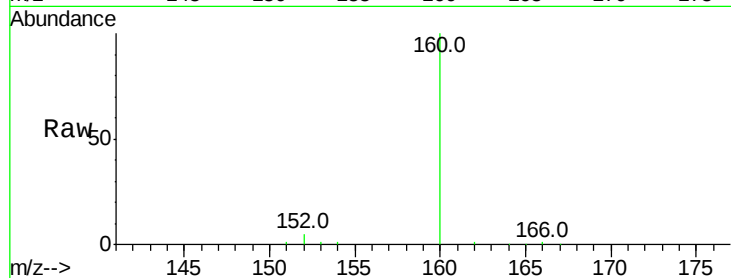
Tot Ion:152 Resp: 2201

Ion Ratio Lower Upper

152 100

151 24.3 17.1 25.7

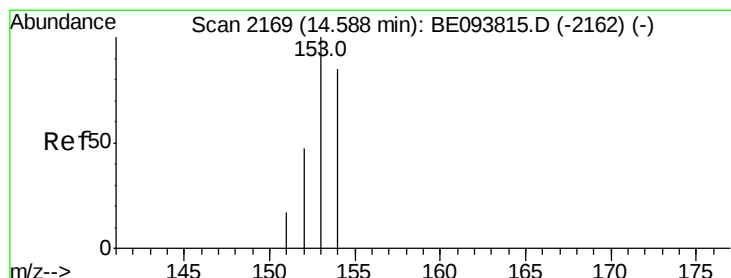
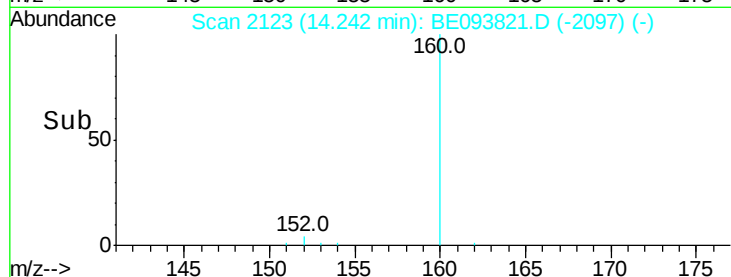
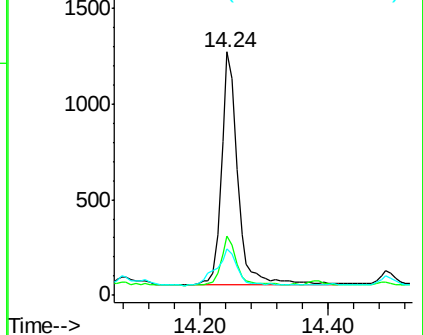
153 19.3 12.8 19.2#



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: 0.091 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

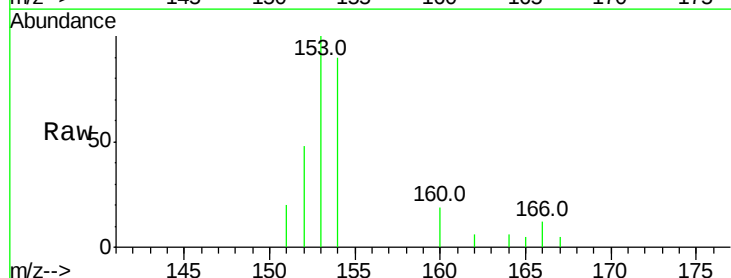
Tgt Ion:153 Resp: 2256

Ion Ratio Lower Upper

153 100

152 48.3 40.3 60.5

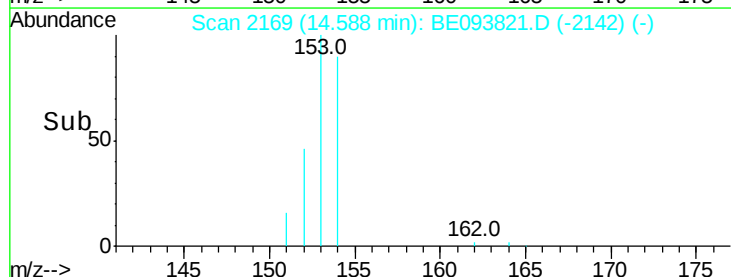
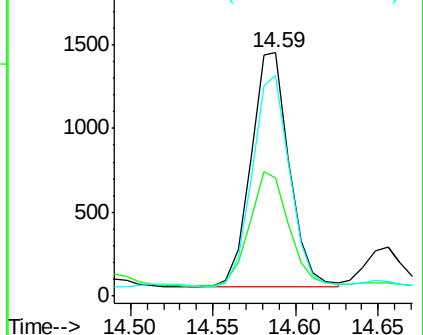
154 90.4 71.4 107.2

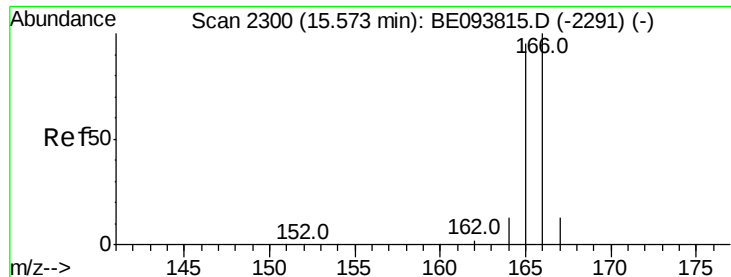


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.134 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

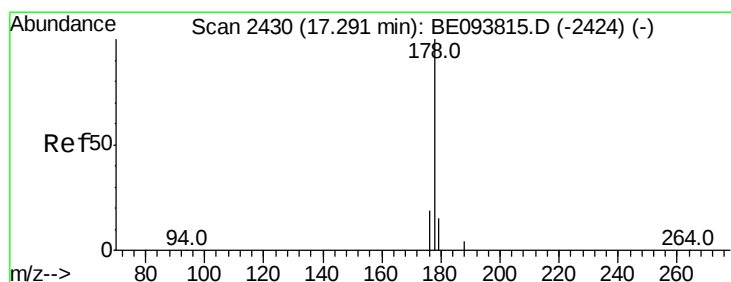
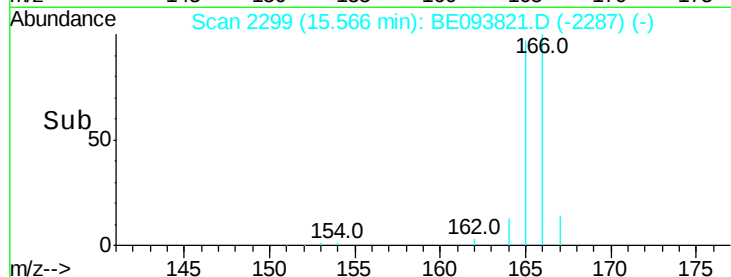
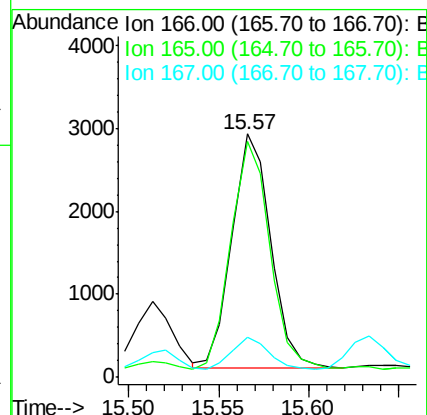
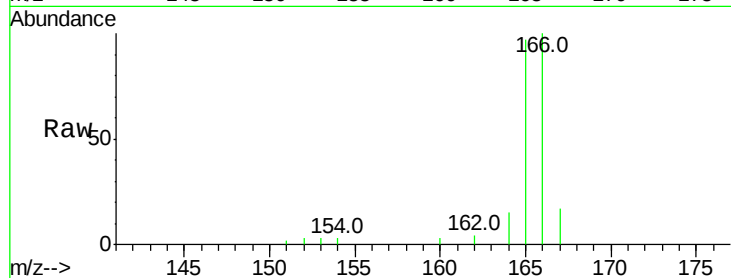
Tot Ion:166 Resp: 4211

Ion Ratio Lower Upper

166 100

165 97.1 73.4 110.2

167 16.6 14.6 22.0



#12

Phenanthrene

Concen: 1.480 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

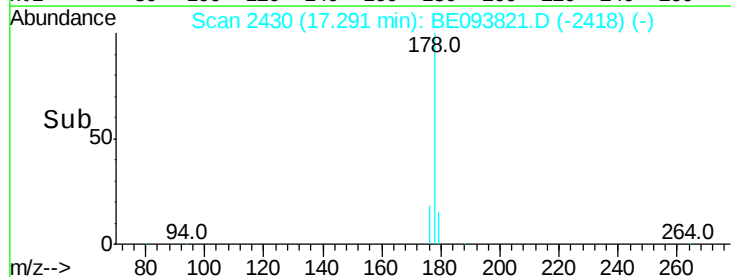
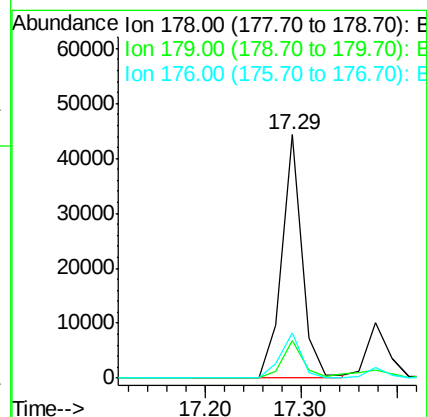
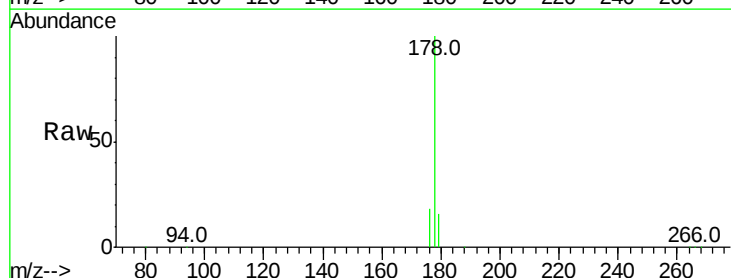
Tgt Ion:178 Resp: 64666

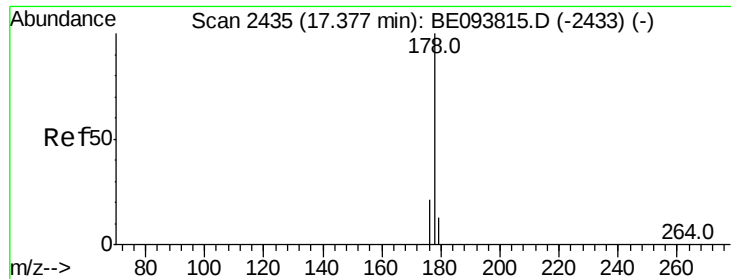
Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

176 18.5 13.6 20.4





#13

Anthracene

Concen: 0.380 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampled :

C0AJ3

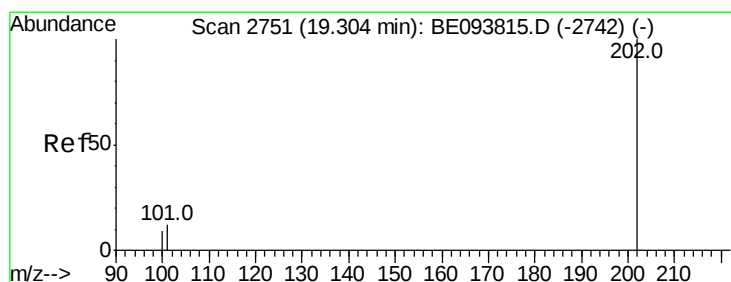
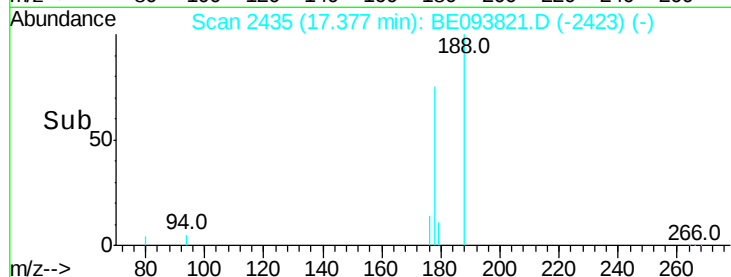
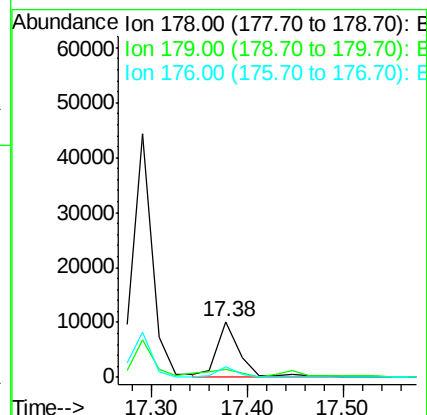
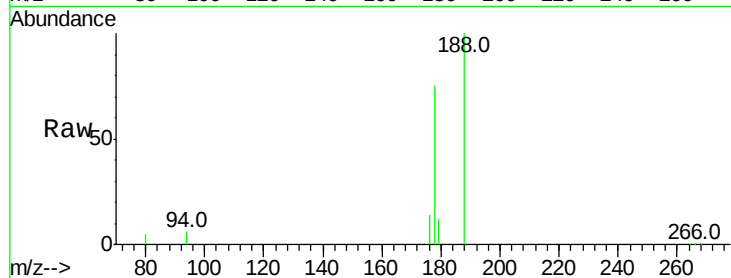
Tot Ion:178 Resp: 16177

Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 19.1 14.7 22.1



#15

Fluoranthene

Concen: 1.681 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

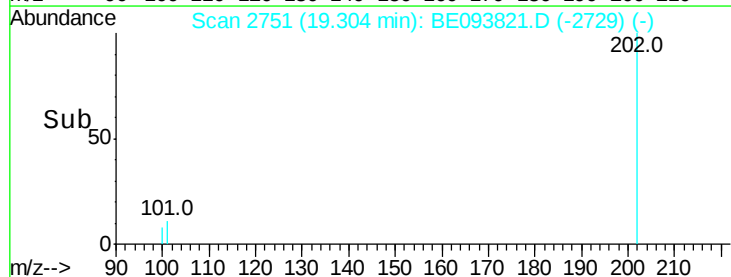
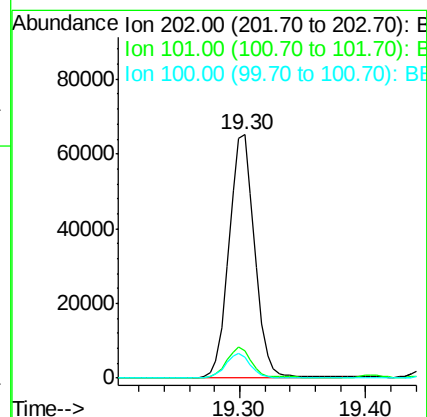
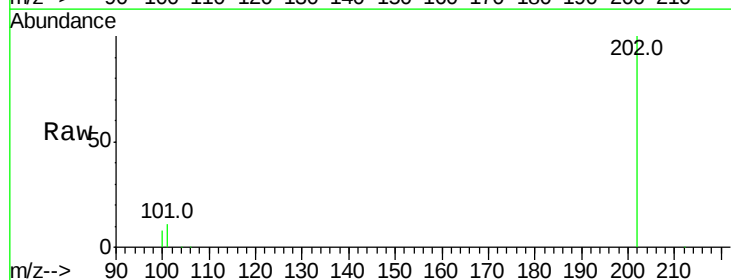
Tgt Ion:202 Resp: 91869

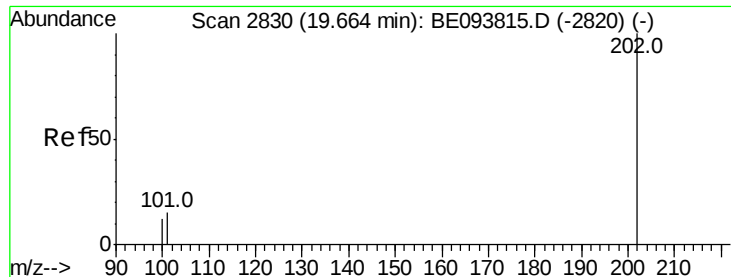
Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

100 8.4 0.0 39.5





#17

Pvrene

Concen: 1.596 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

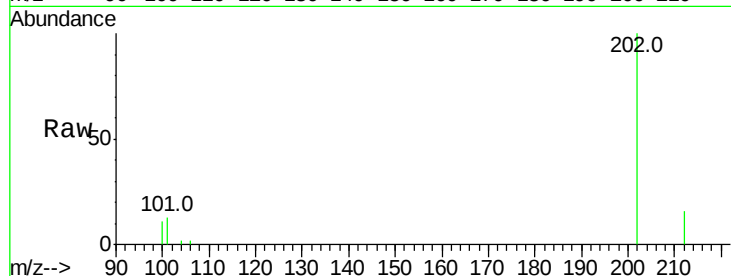
Tot Ion:202 Resp: 78919

Ion Ratio Lower Upper

202 100

101 13.4 18.2 27.4#

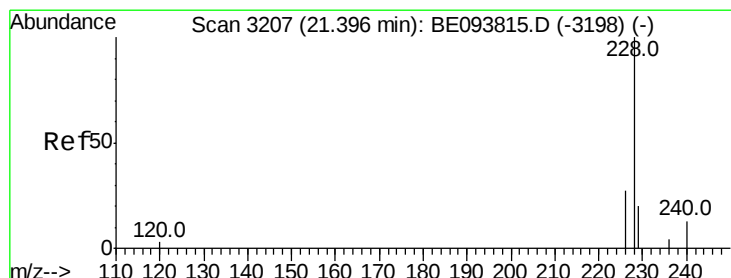
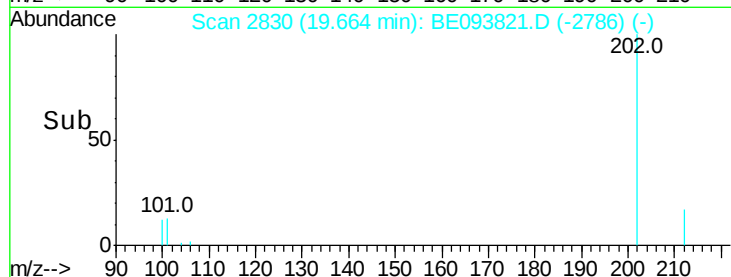
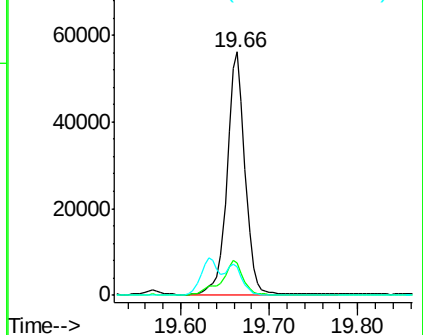
100 11.5 15.6 23.4#



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: 0.839 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

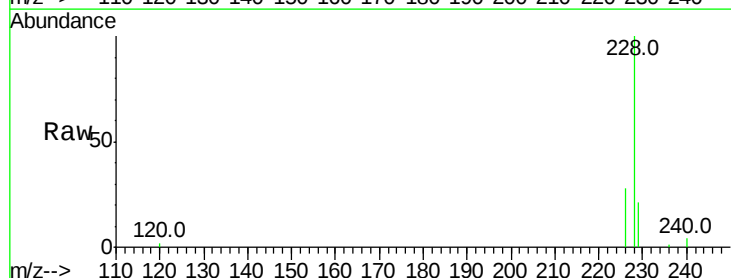
Tgt Ion:228 Resp: 41194

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

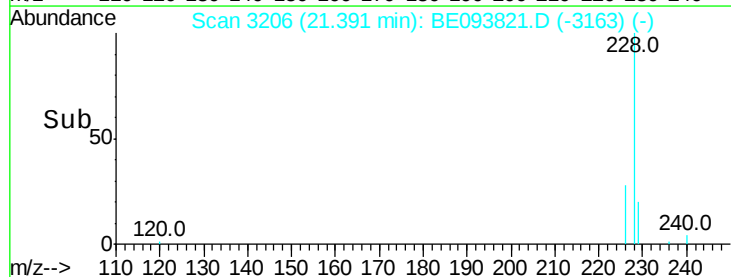
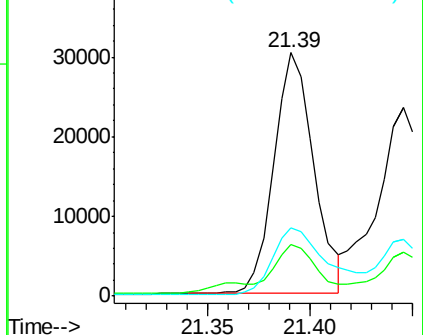
226 28.2 17.0 25.6#

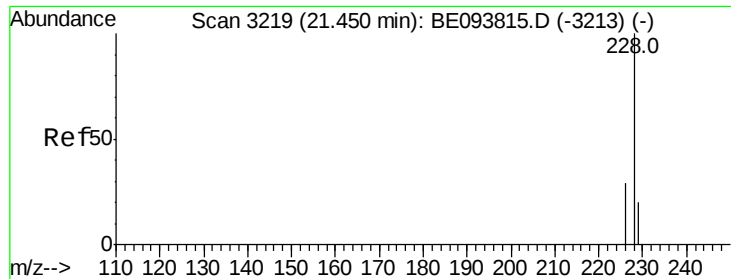


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.778 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

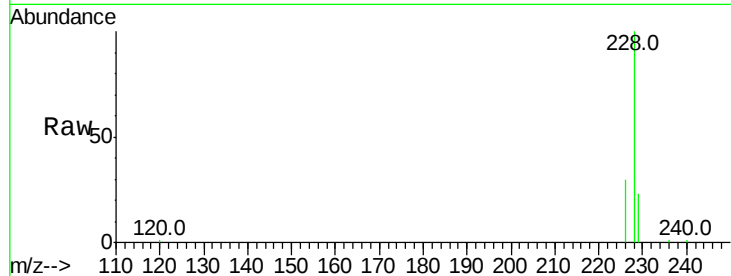
Tot Ion:228 Resp: 36659

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

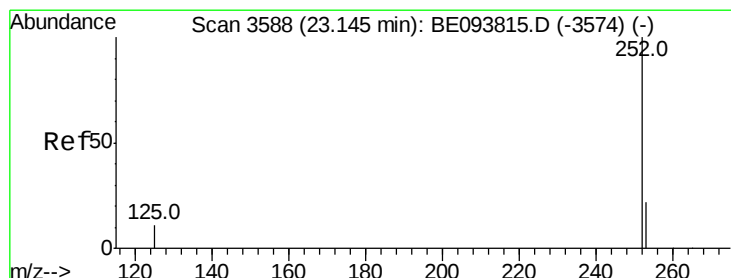
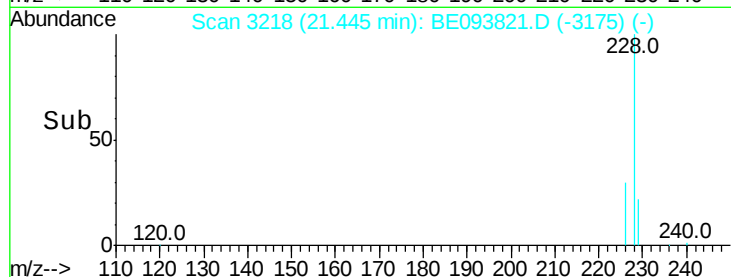
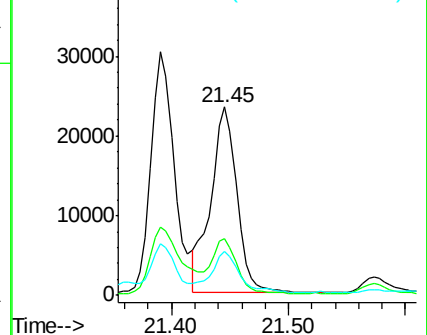
229 23.1 17.7 26.5



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: 1.067 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

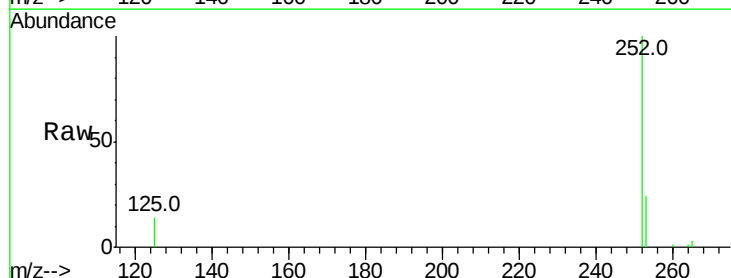
Tgt Ion:252 Resp: 69269

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

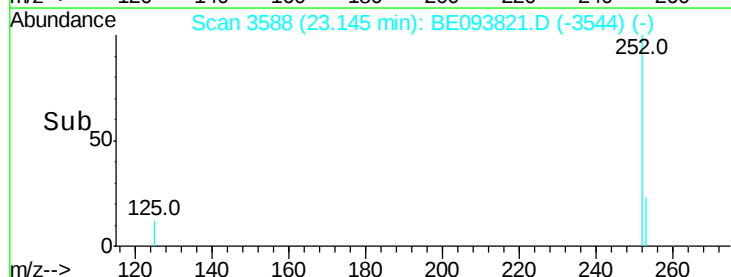
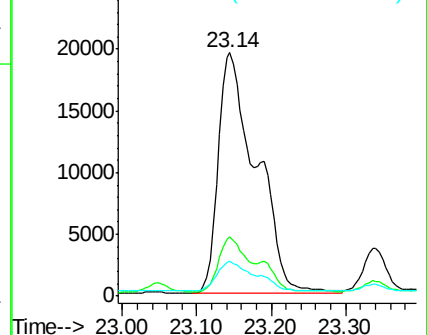
125 14.1 0.0 35.0

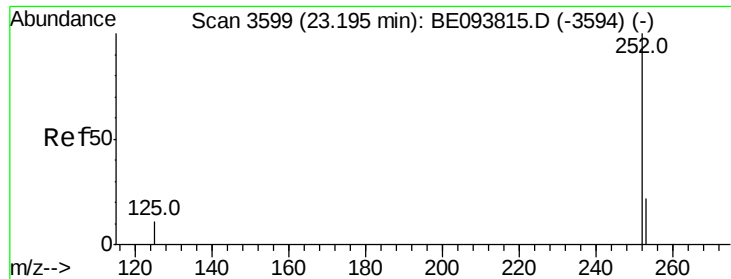


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.081 ng/u1

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

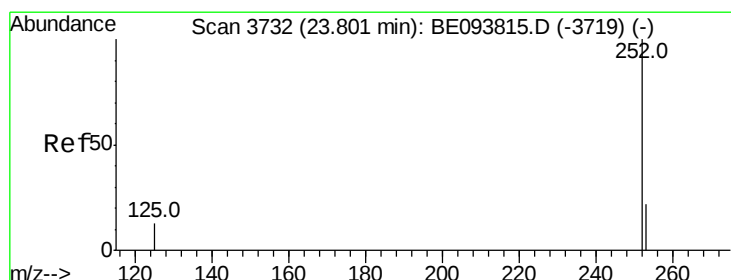
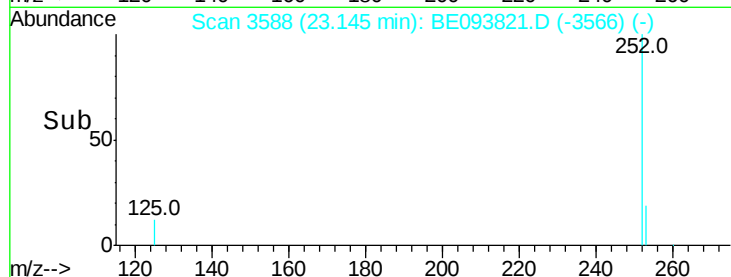
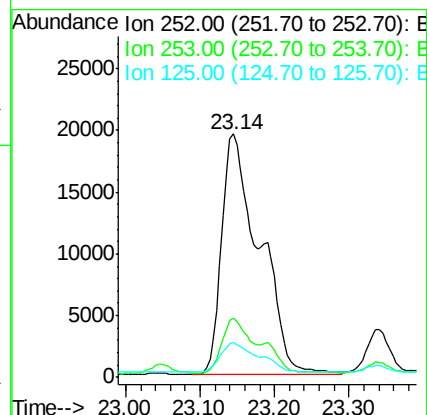
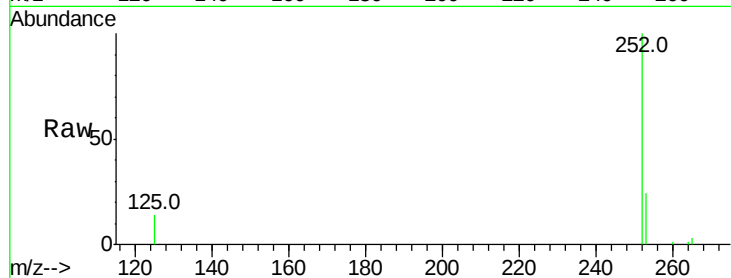
Tot Ion:252 Resp: 69183

Ion Ratio Lower Upper

252 100

253 24.2 24.5 36.7#

125 14.1 13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.550 ng/u1

RT: 23.80 min Scan# 3731

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

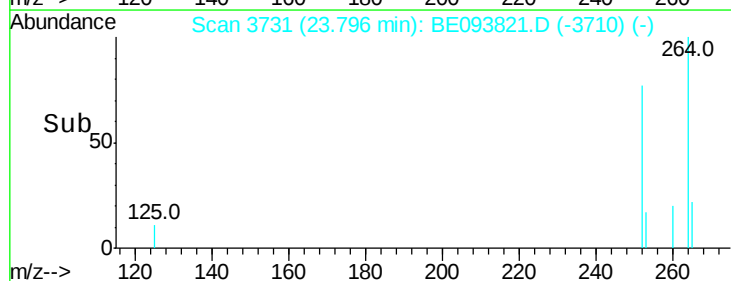
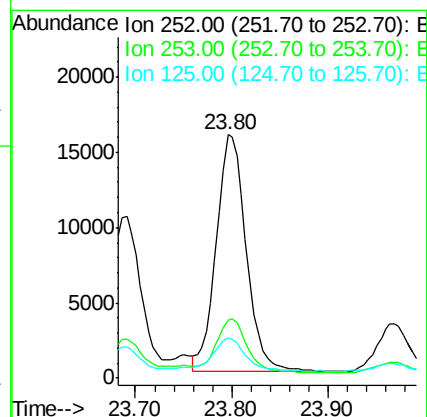
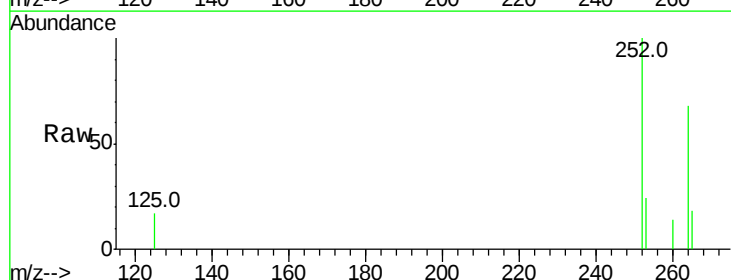
Tgt Ion:252 Resp: 33939

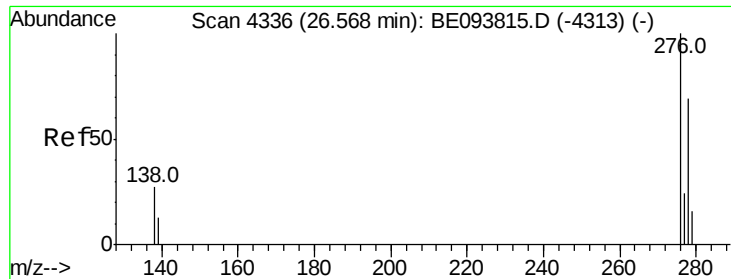
Ion Ratio Lower Upper

252 100

253 24.0 28.5 42.7#

125 16.5 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.272 ng/ul

RT: 26.55 min Scan# 4332

Delta R.T. -0.02 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3

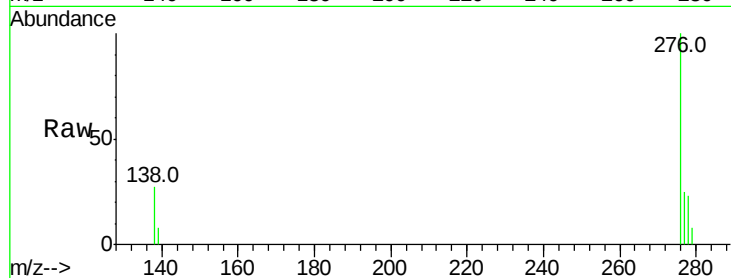
Tot Ion:276 Resp: 18557

Ion Ratio Lower Upper

276 100

138 23.6 28.0 42.0#

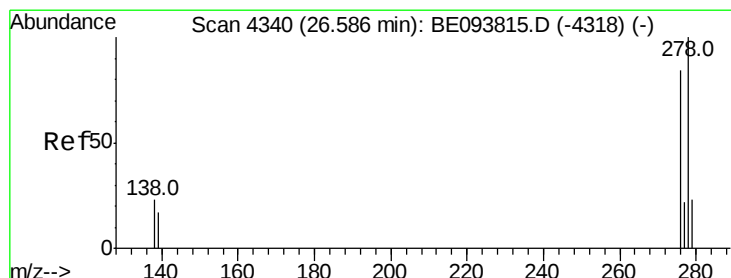
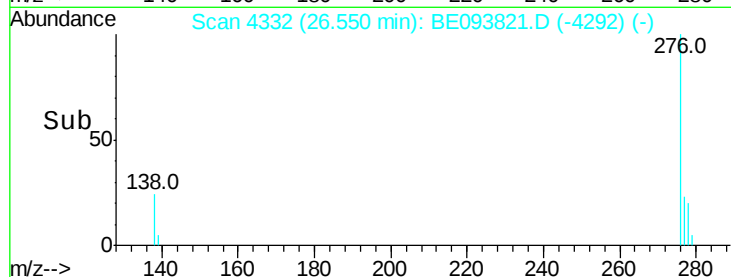
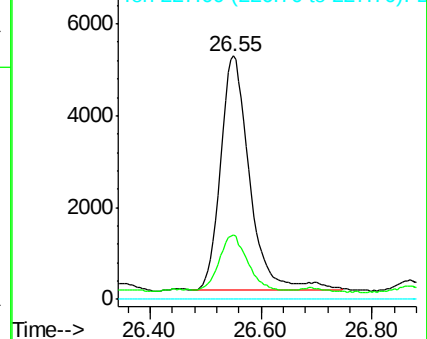
227 0.0 8.0 12.0#



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: 0.077 ng/ul

RT: 26.55 min Scan# 4333

Delta R.T. -0.03 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

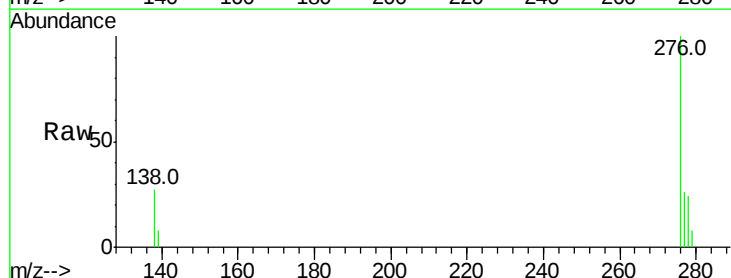
Tgt Ion:278 Resp: 4366

Ion Ratio Lower Upper

278 100

139 32.4 17.4 26.0#

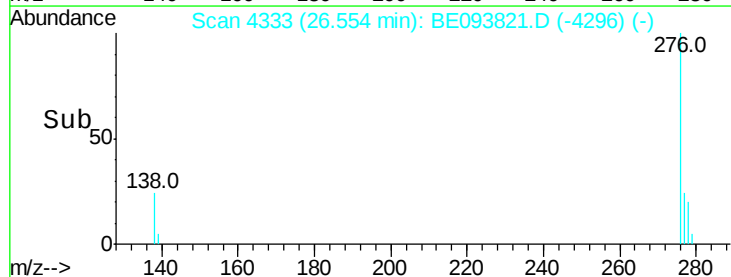
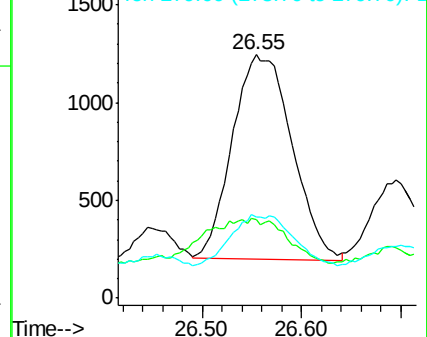
279 33.5 25.9 38.9

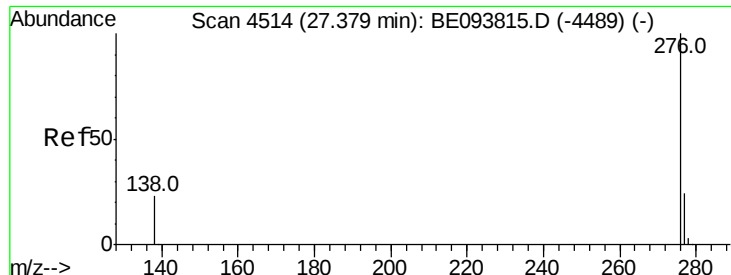


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.255 ng/ul

RT: 27.37 min Scan# 4512

Delta R.T. -0.01 min

Lab File: BE093821.D

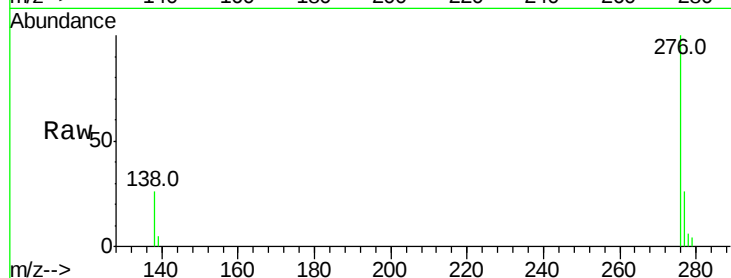
Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

ClientSampleId :

C0AJ3



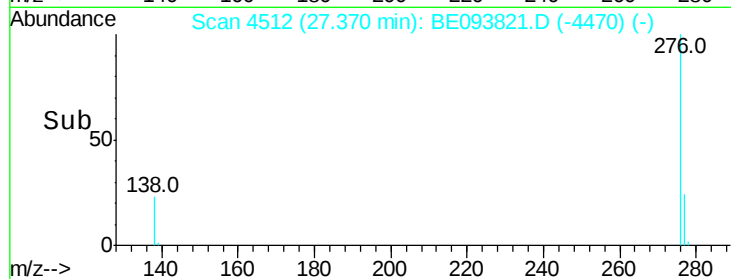
Tot Ion:276 Resp: 14671

Ion Ratio Lower Upper

276 100

138 26.4 21.8 32.8

277 26.4 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

