

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093836.D
 Acq On : 16 Aug 2017 12:14
 Operator : SJ/JU
 Sample : I4672-15DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3DL

Quant Time: Aug 17 00:58:50 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

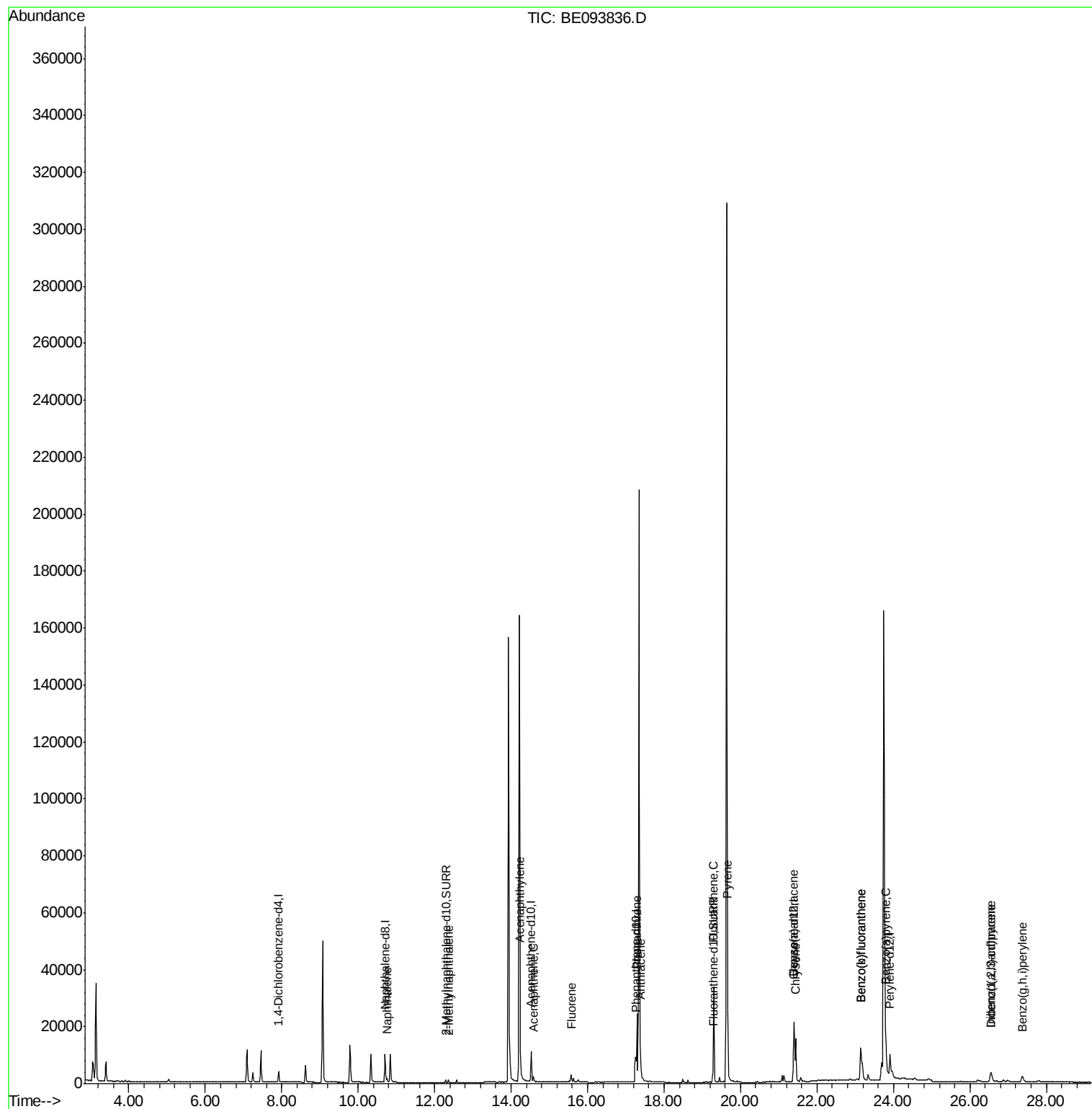
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2005	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10812	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6295	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13504	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14265	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	15952	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1537	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	3663	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	2149	0.082	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	1120	0.058	ng/ul	96
7) Acenaphthylene	14.24	152	915	0.035	ng/ul#	84
8) Acenaphthene	14.58	153	1001	0.048	ng/ul	99
9) Fluorene	15.57	166	1747	0.067	ng/ul	94
12) Phenanthrene	17.29	178	26974	0.733	ng/ul#	91
13) Anthracene	17.38	178	6786	0.189	ng/ul#	92
15) Fluoranthene	19.30	202	38569	0.839	ng/ul	84
17) Pyrene	19.66	202	33520	0.805	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	17500	0.423	ng/ul#	86
19) Chrysene	21.44	228	15799	0.398	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	29634	0.601	ng/ul	89
22) Benzo(k)fluoranthene	23.14	252	29634	0.609	ng/ul	91
23) Benzo(a)pyrene	23.80	252	14241	0.303	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.55	276	7564	0.146	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.56	278	1756	0.041	ng/ul#	79
26) Benzo(a,h,i)perylene	27.37	276	5964	0.137	ng/ul	95

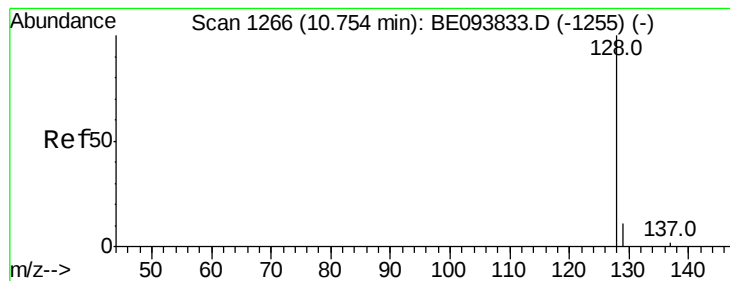
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.082 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

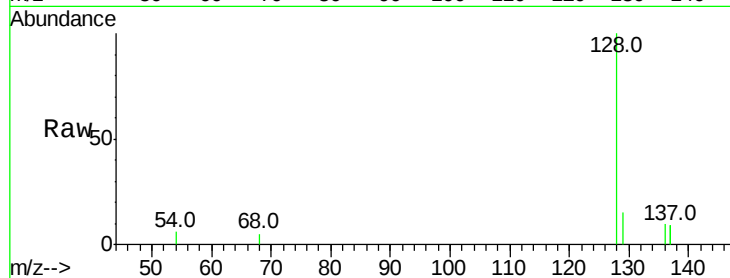
Tot Ion:128 Resp: 2149

Ion Ratio Lower Upper

128 100

129 15.4 11.3 16.9

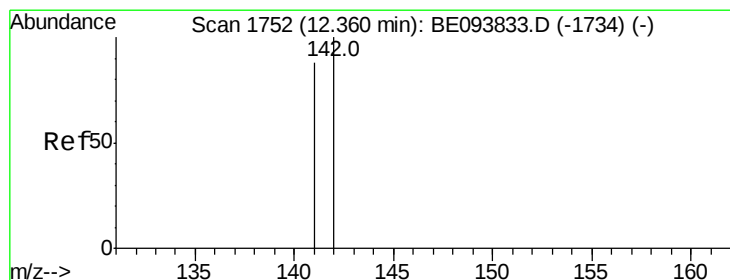
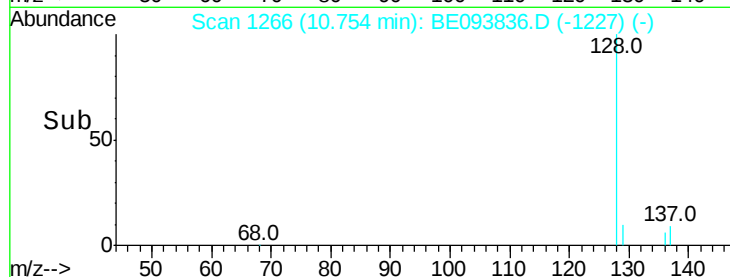
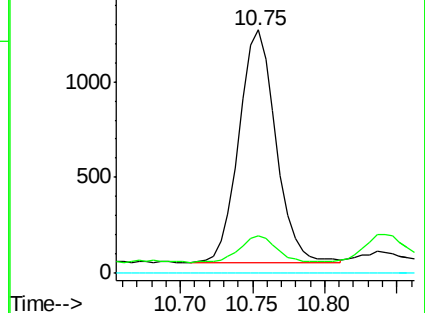
127 0.0 4.0 6.0#



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: 0.058 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE093836.D

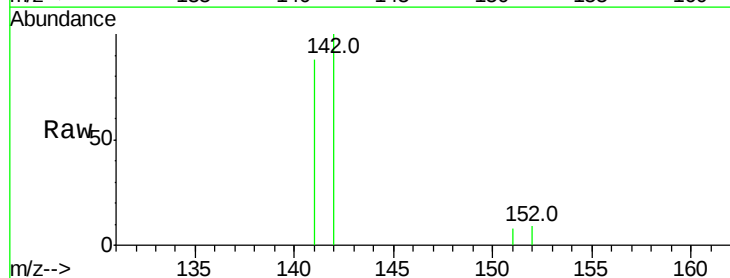
Acq: 16 Aug 2017 12:14

Tgt Ion:142 Resp: 1120

Ion Ratio Lower Upper

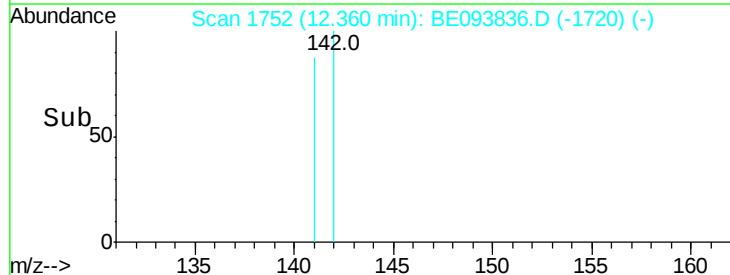
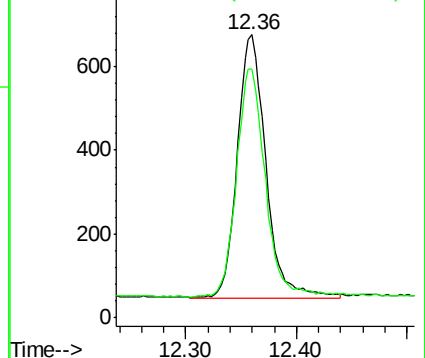
142 100

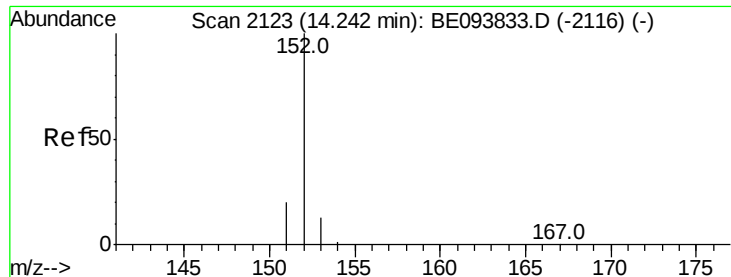
141 87.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

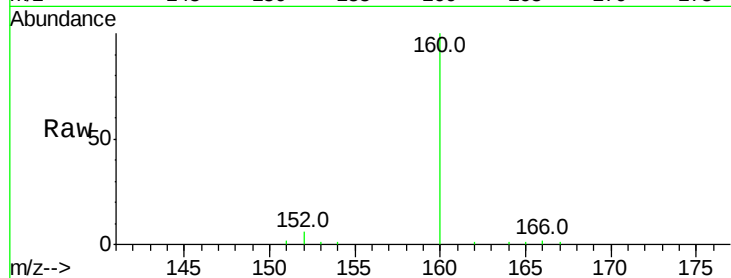
Tot Ion:152 Resp: 915

Ion Ratio Lower Upper

152 100

151 28.7 17.1 25.7#

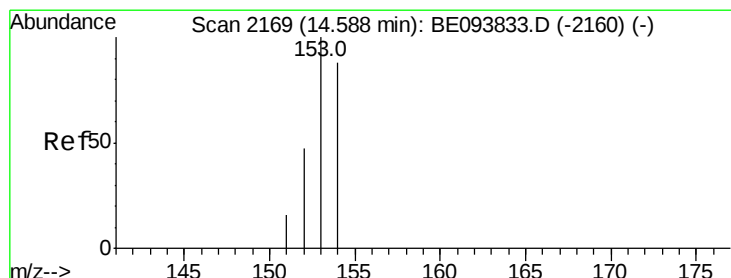
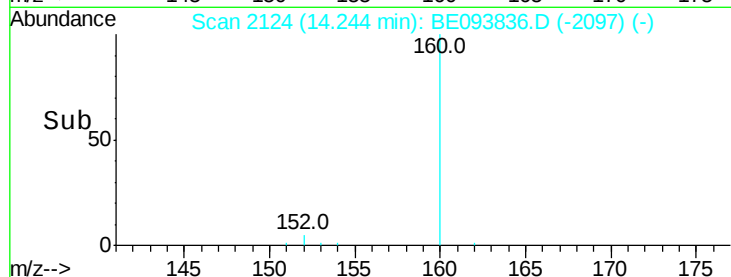
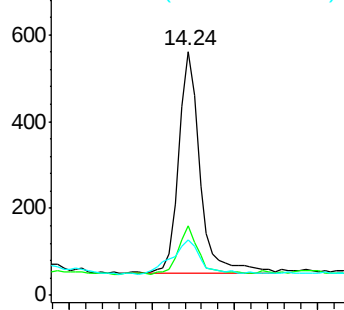
153 23.0 12.8 19.2#



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: 0.048 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

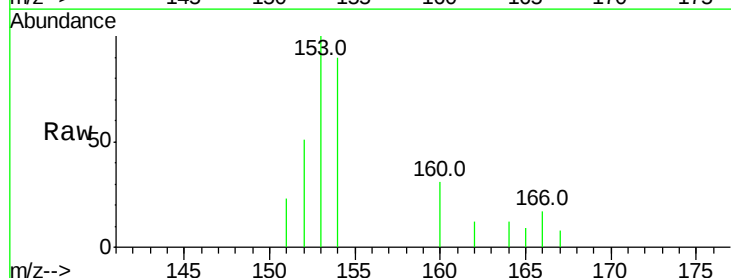
Tgt Ion:153 Resp: 1001

Ion Ratio Lower Upper

153 100

152 51.4 40.3 60.5

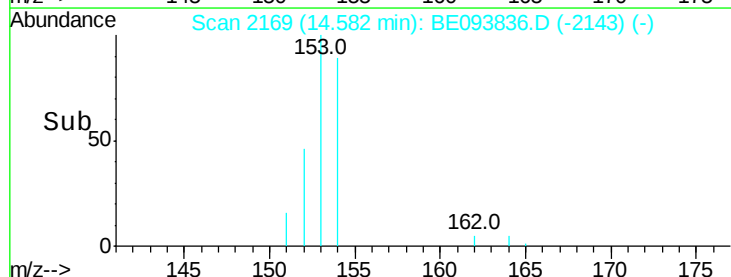
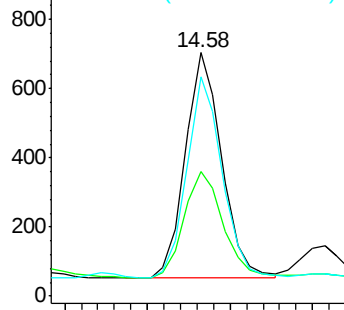
154 89.9 71.4 107.2

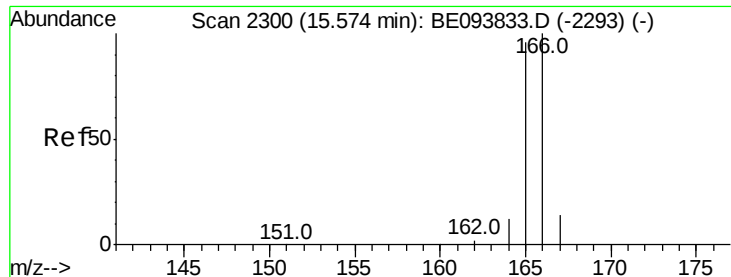


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.067 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

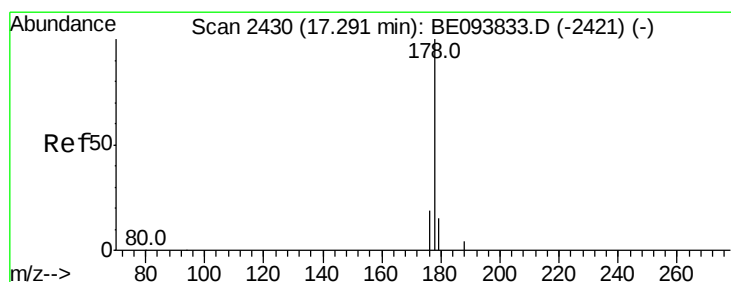
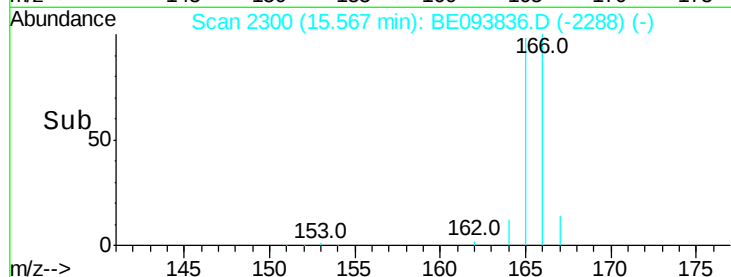
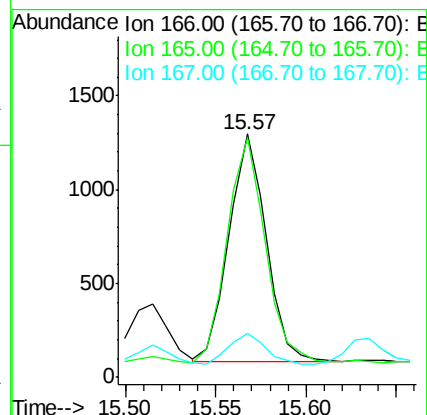
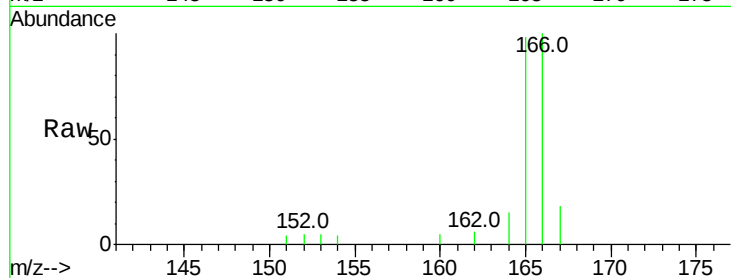
Tot Ion:166 Resp: 1747

Ion Ratio Lower Upper

166 100

165 98.2 73.4 110.2

167 17.8 14.6 22.0



#12

Phenanthrene

Concen: 0.733 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

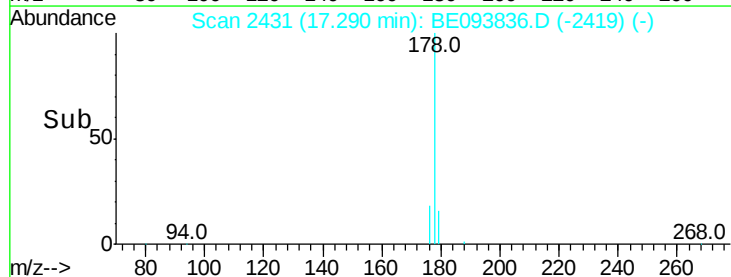
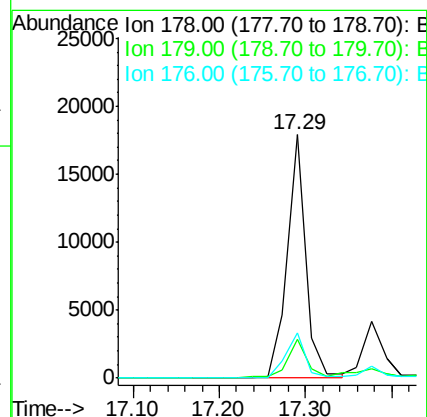
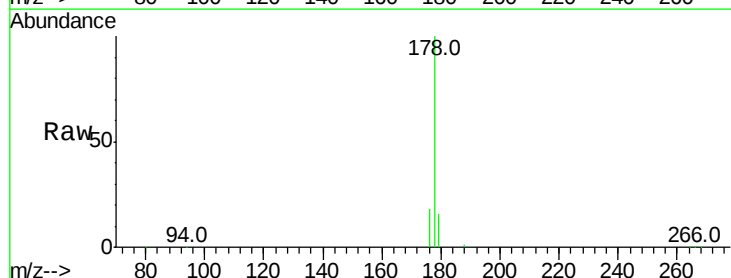
Tgt Ion:178 Resp: 26974

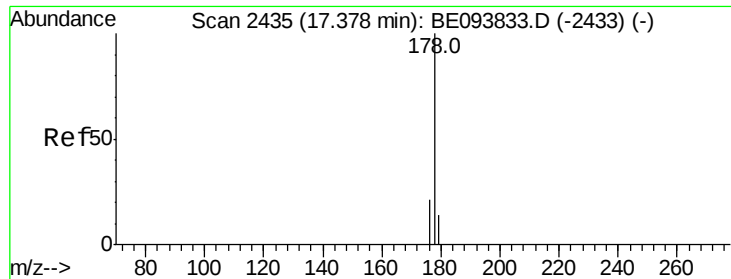
Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

176 18.3 13.6 20.4





#13

Anthracene

Concen: 0.189 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

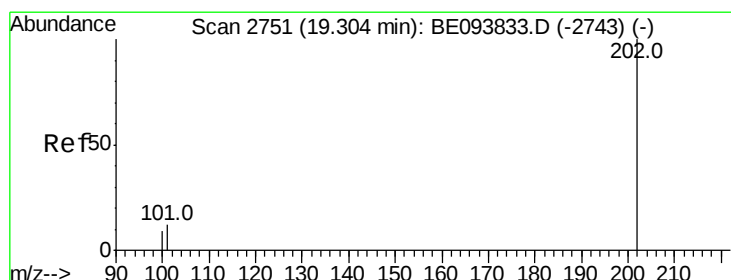
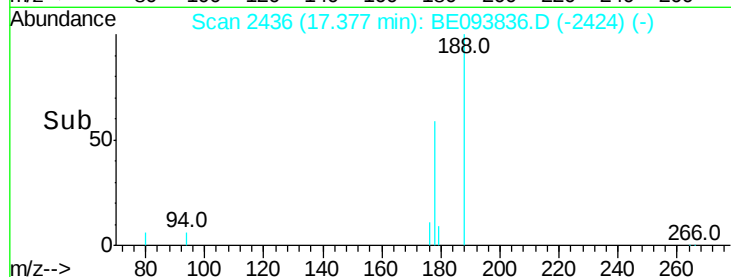
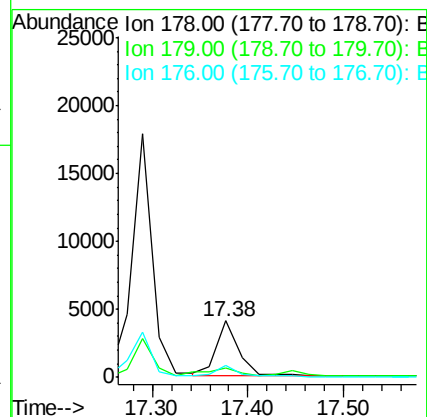
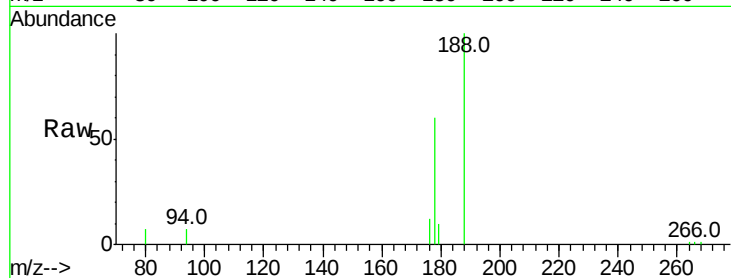
Tot Ion:178 Resp: 6786

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

176 20.1 14.7 22.1



#15

Fluoranthene

Concen: 0.839 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

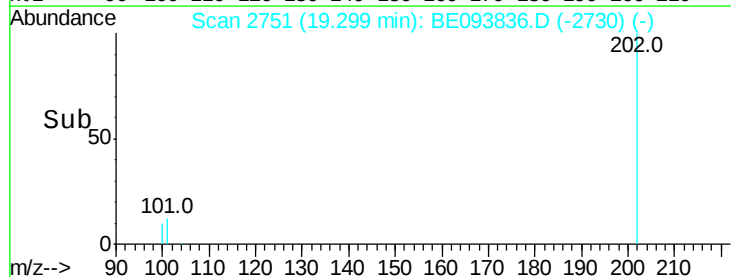
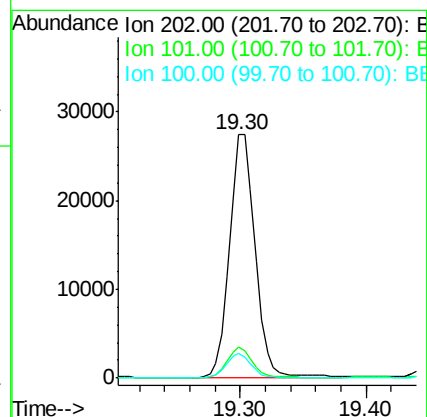
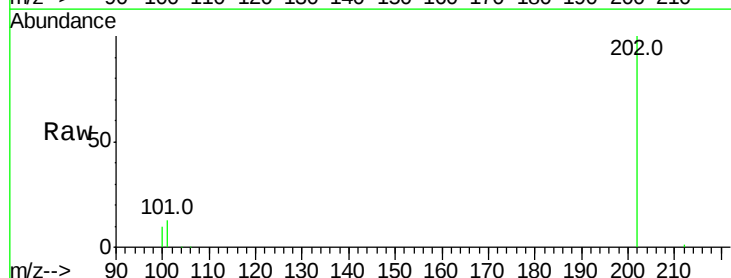
Tgt Ion:202 Resp: 38569

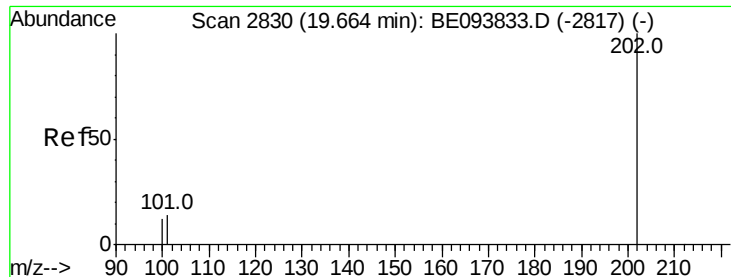
Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.3

100 10.2 0.0 39.5





#17

Pvrene

Concen: 0.805 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

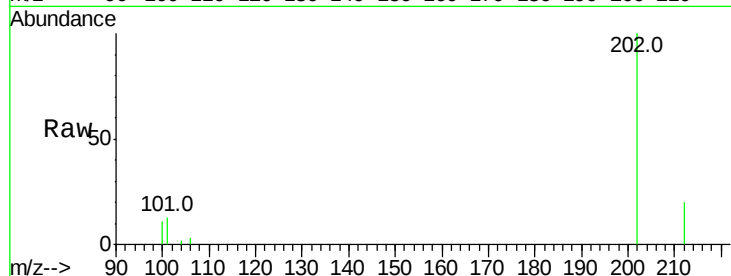
Tot Ion:202 Resp: 33520

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

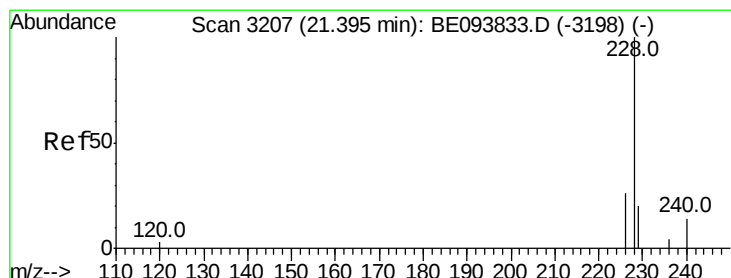
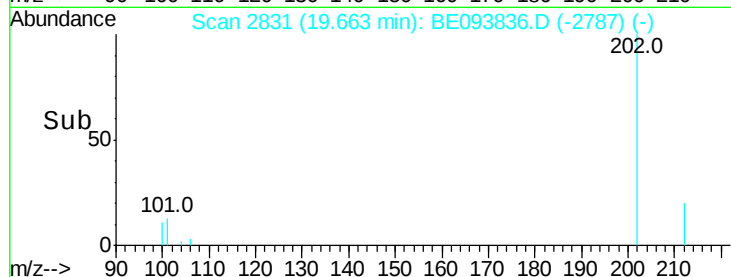
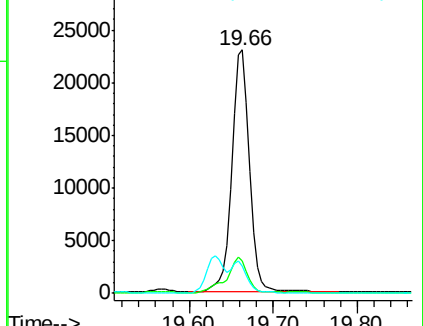
100 11.2 15.6 23.4#



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: 0.423 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

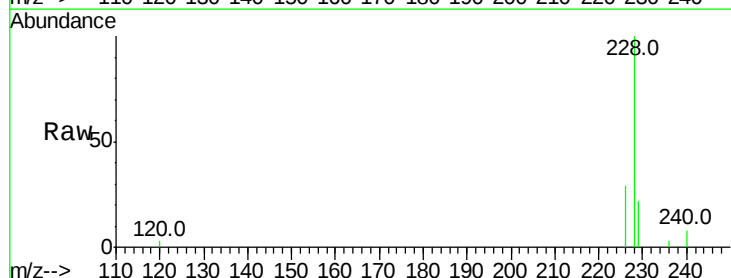
Tgt Ion:228 Resp: 17500

Ion Ratio Lower Upper

228 100

229 21.9 22.8 34.2#

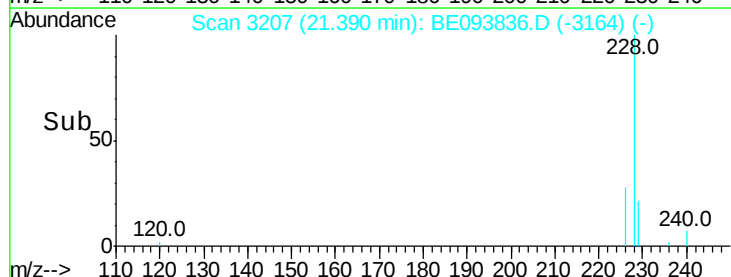
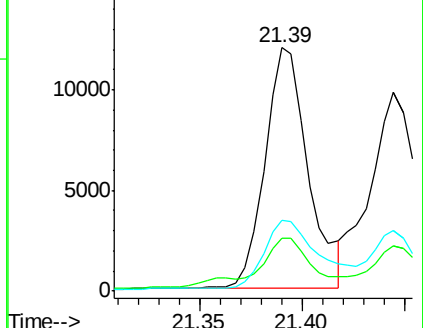
226 29.1 17.0 25.6#

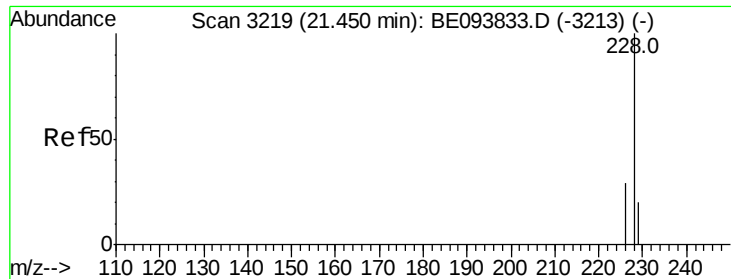


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.398 ng/ul

RT: 21.44 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

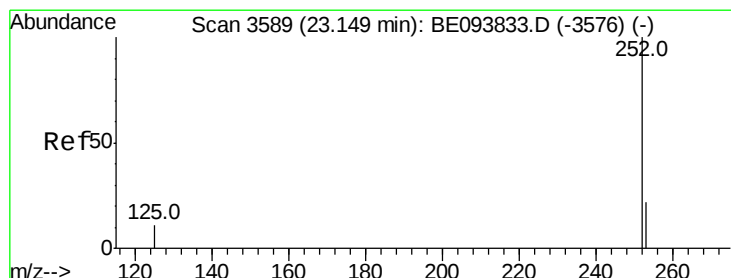
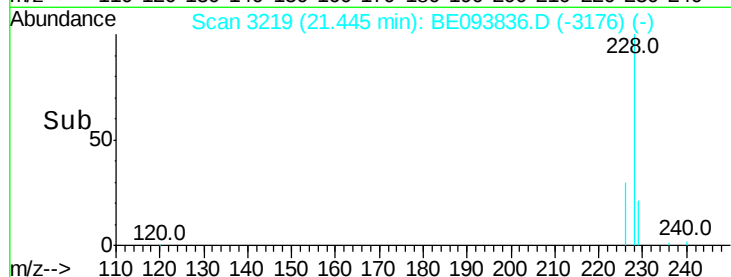
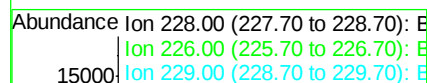
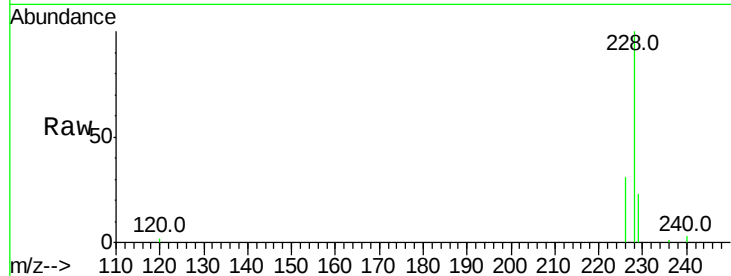
Tot Ion:228 Resp: 15799

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 22.7 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.601 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

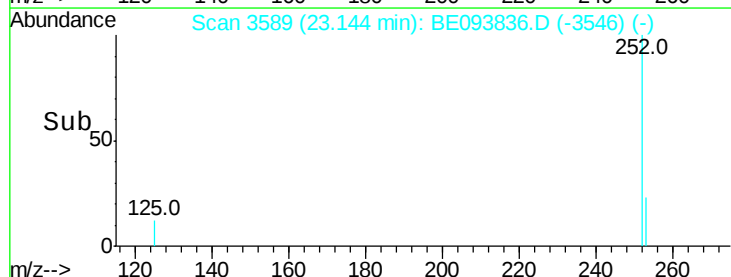
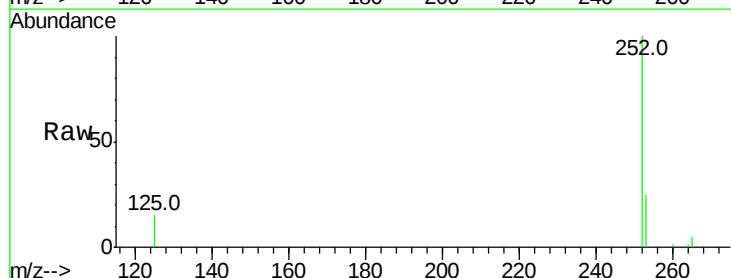
Tgt Ion:252 Resp: 29634

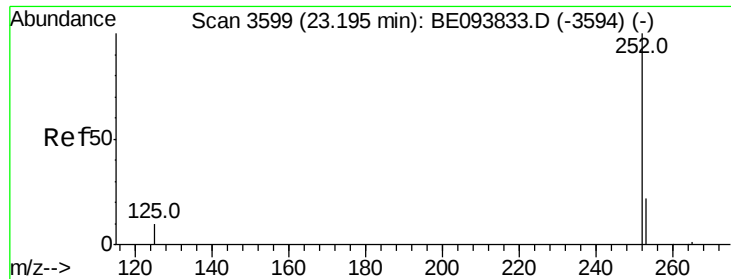
Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

125 14.7 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.609 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

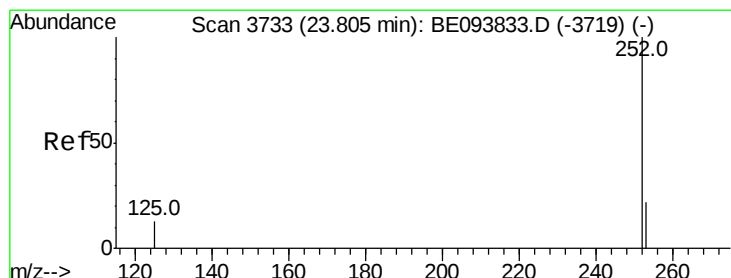
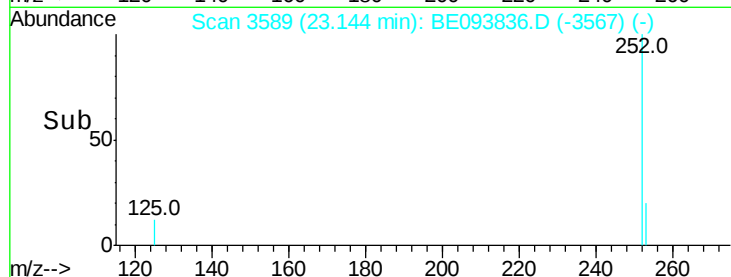
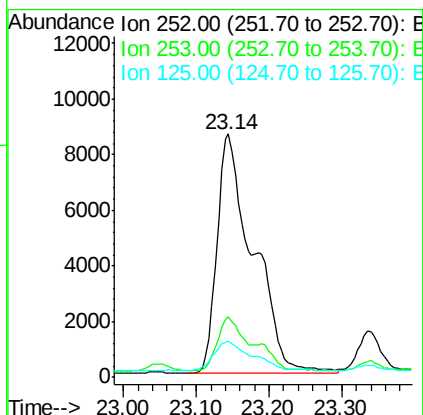
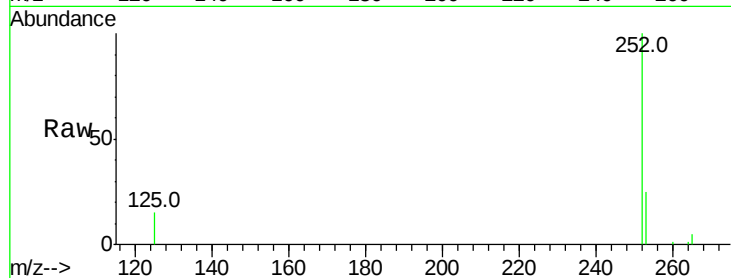
Tot Ion:252 Resp: 29634

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

125 14.7 13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.303 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

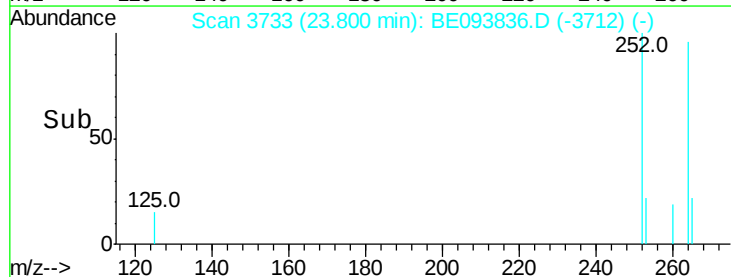
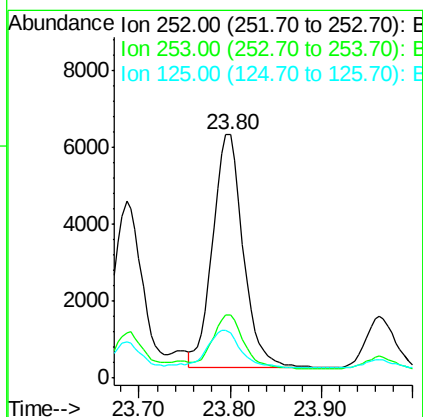
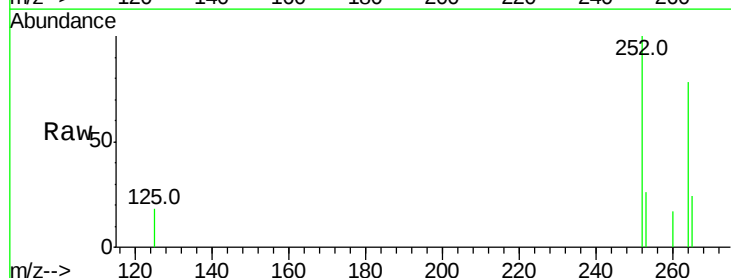
Tgt Ion:252 Resp: 14241

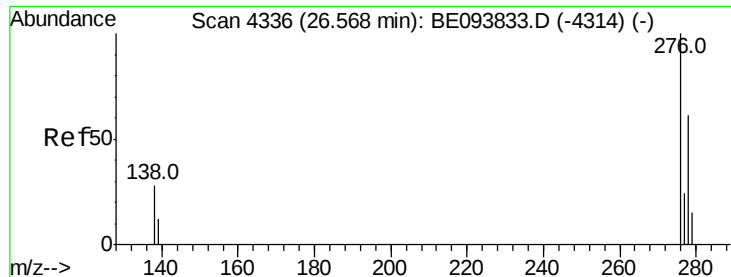
Ion Ratio Lower Upper

252 100

253 25.7 28.5 42.7#

125 18.4 18.1 27.1



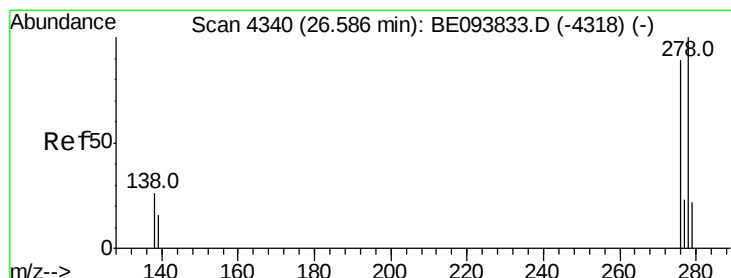
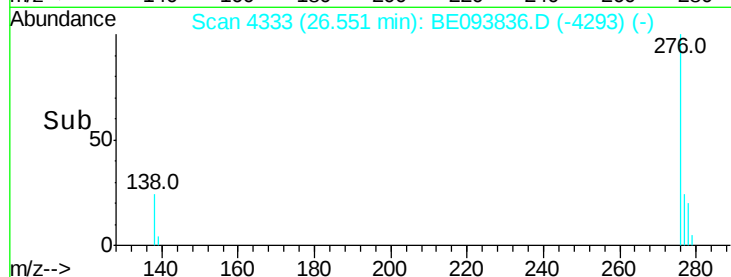
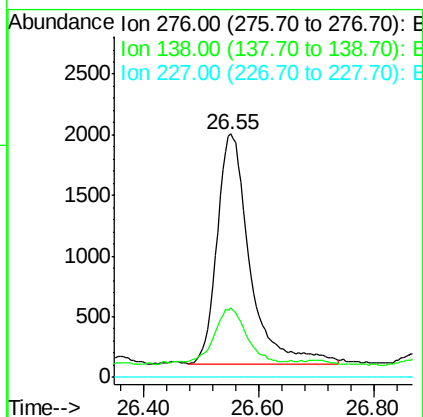
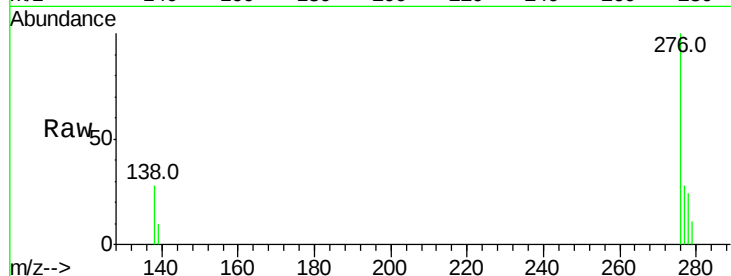


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.146 ng/ul
RT: 26.55 min Scan# 4333
Delta R.T. -0.02 min
Lab File: BE093836.D
Acq: 16 Aug 2017 12:14

Instrument :
BNA_E
ClientSampleId :
C0AJ3DL

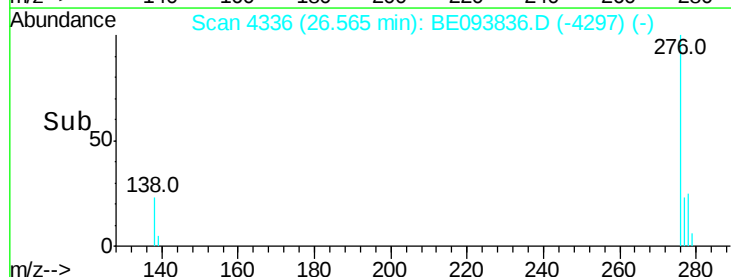
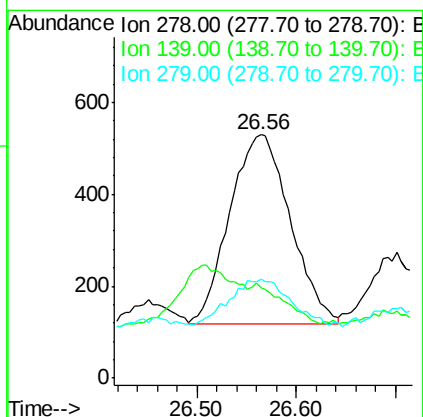
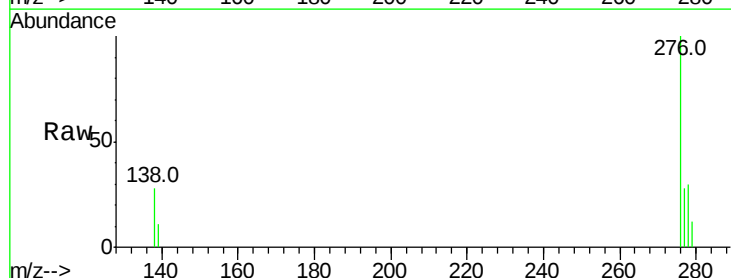
Tot Ion:276 Resp: 7564
Ion Ratio Lower Upper
276 100
138 23.0 28.0 42.0#
227 0.0 8.0 12.0#

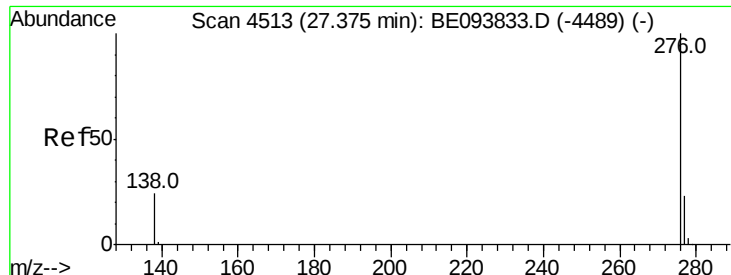


#25

Dibenzo(a,h)anthracene
Concen: 0.041 ng/ul
RT: 26.56 min Scan# 4336
Delta R.T. -0.02 min
Lab File: BE093836.D
Acq: 16 Aug 2017 12:14

Tgt Ion:278 Resp: 1756
Ion Ratio Lower Upper
278 100
139 36.8 17.4 26.0#
279 40.6 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.137 ng/ul

RT: 27.37 min Scan# 4512

Delta R.T. -0.01 min

Lab File: BE093836.D

Acq: 16 Aug 2017 12:14

Instrument :

BNA_E

ClientSampleId :

C0AJ3DL

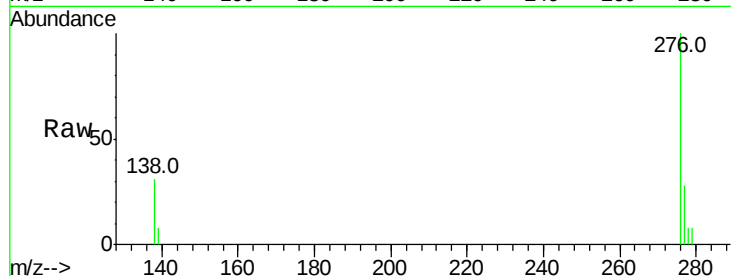
Tot Ion:276 Resp: 5964

Ion Ratio Lower Upper

276 100

138 30.8 21.8 32.8

277 27.6 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

