

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093838.D
 Acq On : 16 Aug 2017 13:29
 Operator : SJ/JU
 Sample : I4672-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG6

Quant Time: Aug 17 00:59:12 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

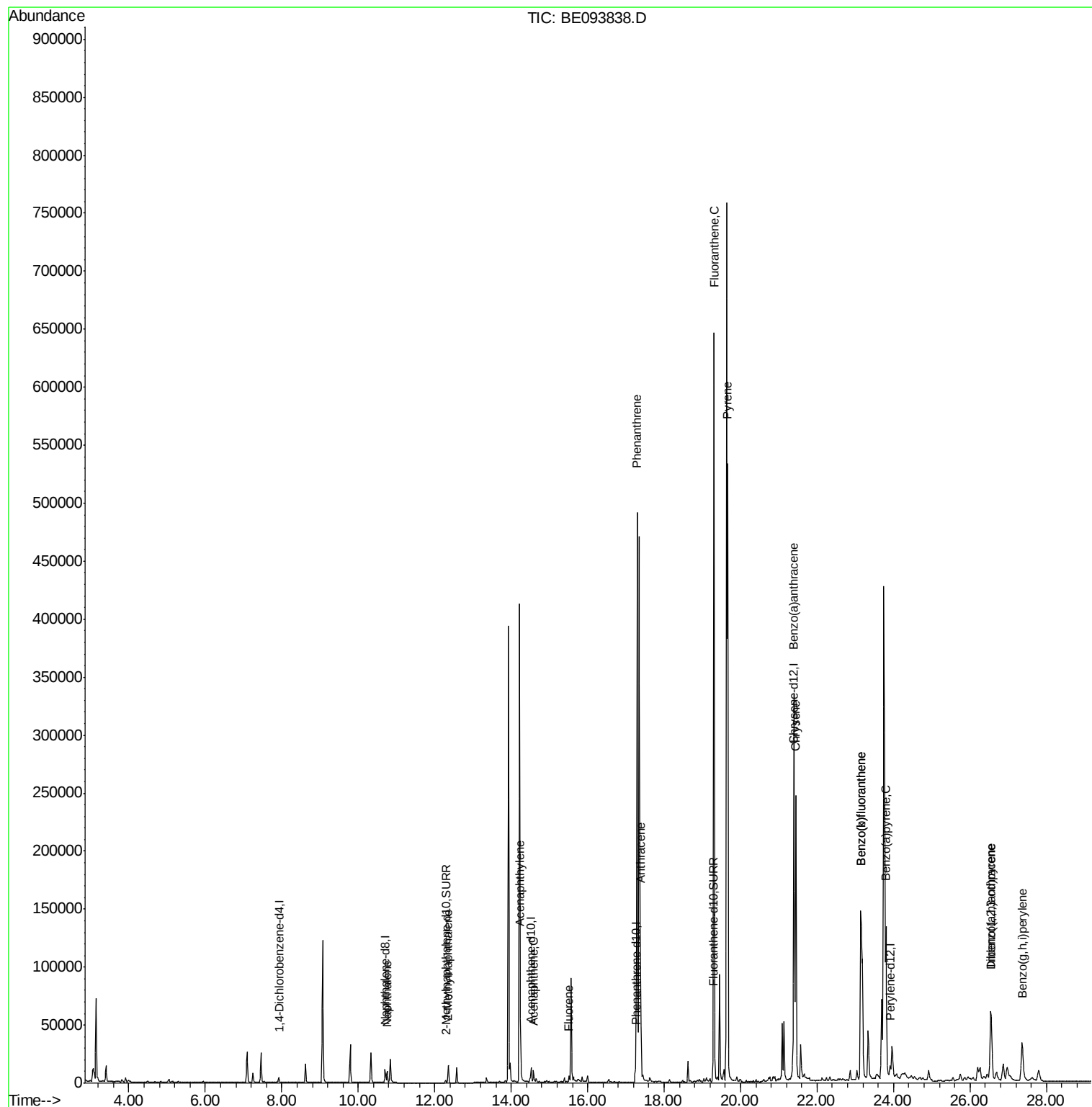
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2237	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11851	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7037	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14884	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	15960	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19553	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3663	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	9008	0.19	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	15349	0.532	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	13268	0.631	ng/ul	98
7) Acenaphthylene	14.24	152	46432	1.577	ng/ul	96
8) Acenaphthene	14.58	153	6382	0.276	ng/ul	98
9) Fluorene	15.52	166	2955	0.101	ng/ul	98
12) Phenanthrene	17.29	178	544693	13.438	ng/ul#	89
13) Anthracene	17.38	178	140823	3.567	ng/ul#	90
15) Fluoranthene	19.30	202	732517	14.451	ng/ul	84
17) Pyrene	19.66	202	570020	12.236	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	310969	6.720	ng/ul#	84
19) Chrysene	21.45	228	243819	5.493	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	423121	6.996	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	423121	7.094	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	192248	3.342	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.55	276	112055	1.764	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	26426	0.498	ng/ul	97
26) Benzo(a,h,i)perylene	27.37	276	80839	1.510	ng/ul	98

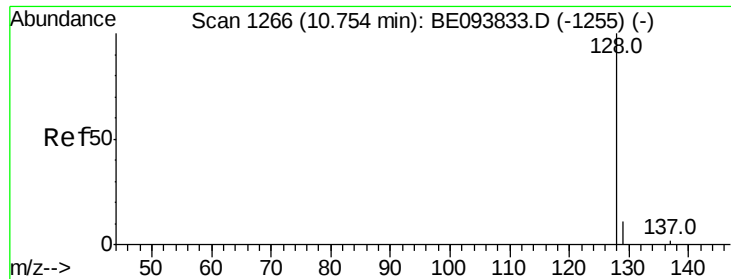
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.532 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

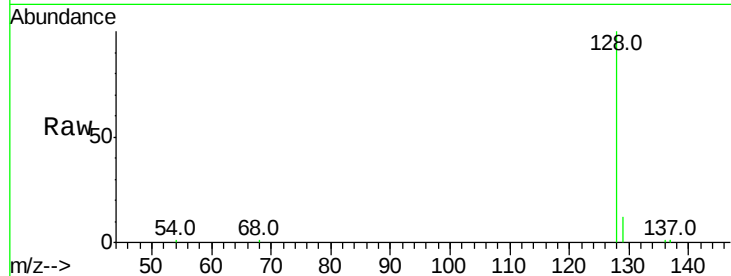
Tot Ion:128 Resp: 15349

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#



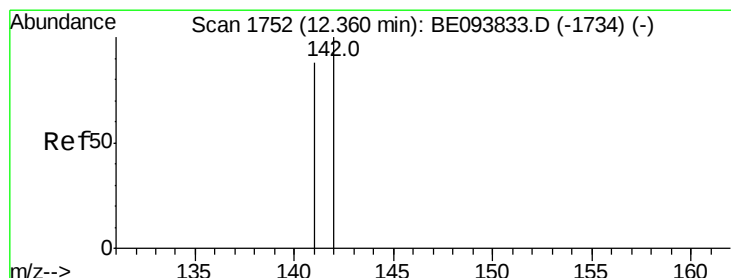
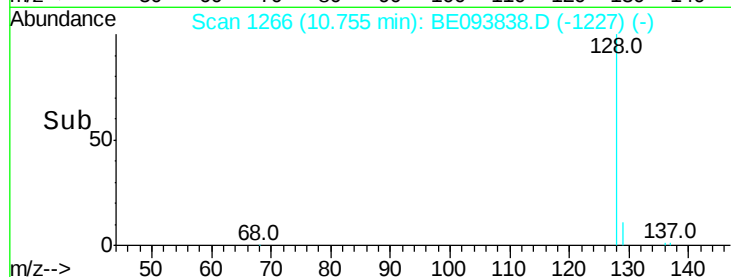
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.75

Time-->



#5

2-Methylnaphthalene

Concen: 0.631 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093838.D

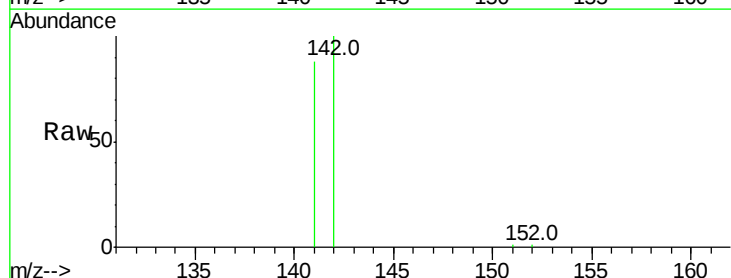
Acq: 16 Aug 2017 13:29

Tgt Ion:142 Resp: 13268

Ion Ratio Lower Upper

142 100

141 89.2 72.6 108.8

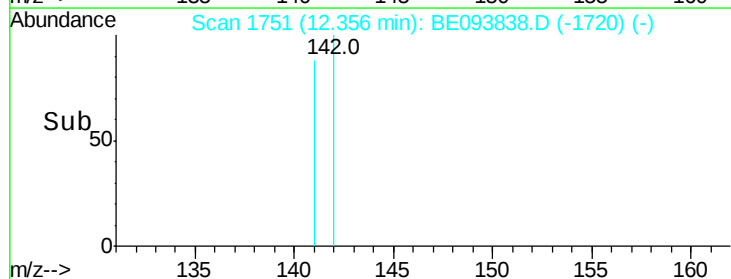


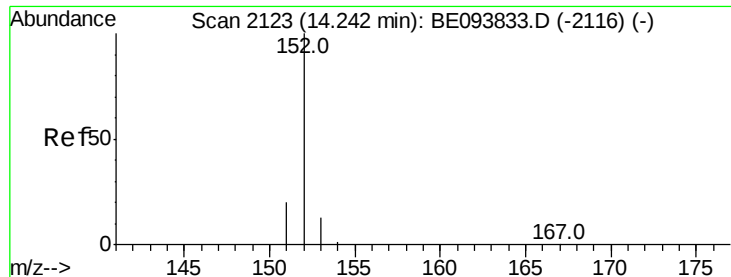
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.36

Time-->





#7

Acenaphthylene

Concen: 1.577 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

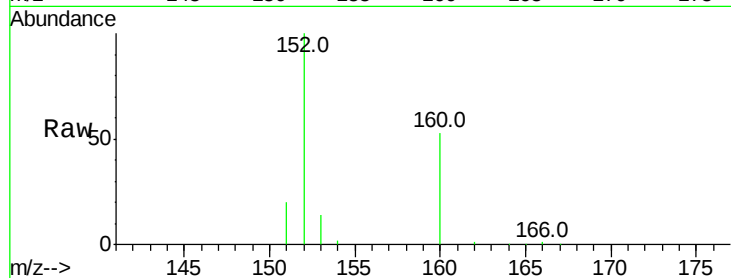
Tot Ion:152 Resp: 46432

Ion Ratio Lower Upper

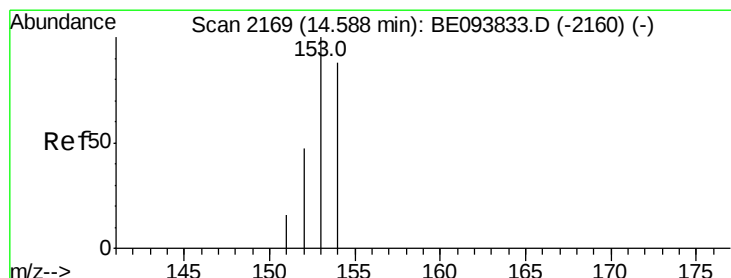
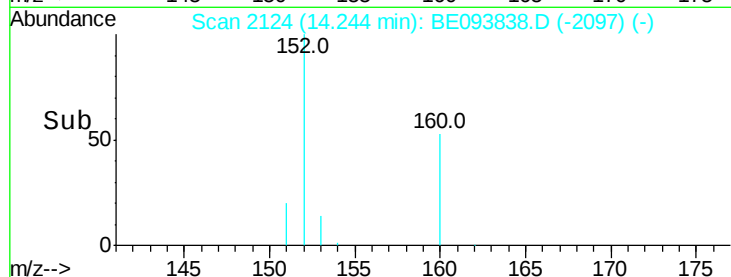
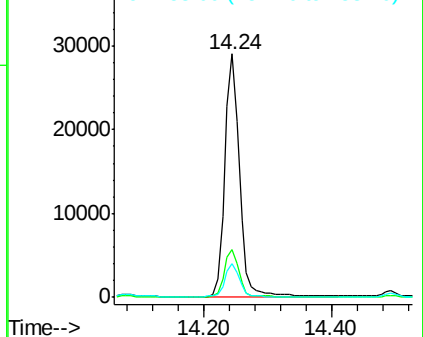
152 100

151 19.8 17.1 25.7

153 14.0 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: 0.276 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

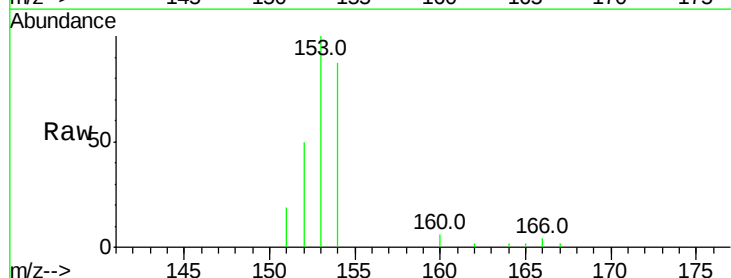
Tgt Ion:153 Resp: 6382

Ion Ratio Lower Upper

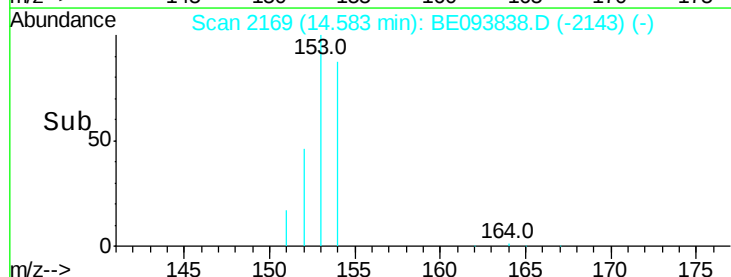
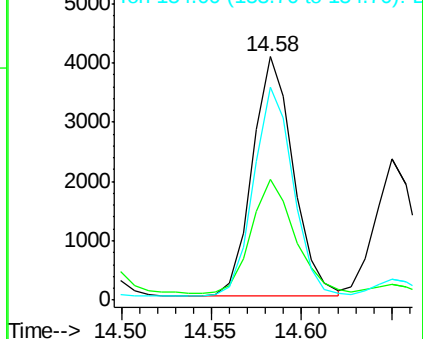
153 100

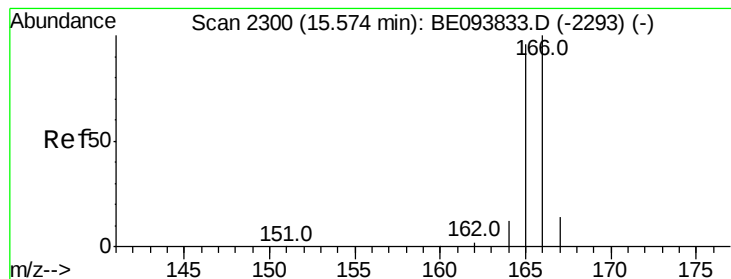
152 49.8 40.3 60.5

154 87.3 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: 0.101 ng/ul

RT: 15.52 min Scan# 2293

Delta R.T. -0.06 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

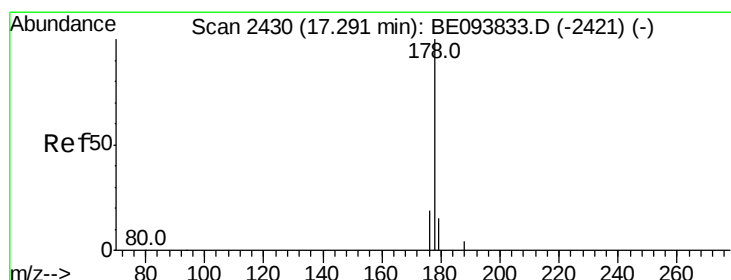
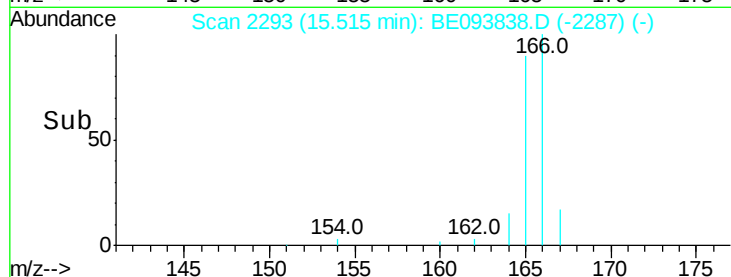
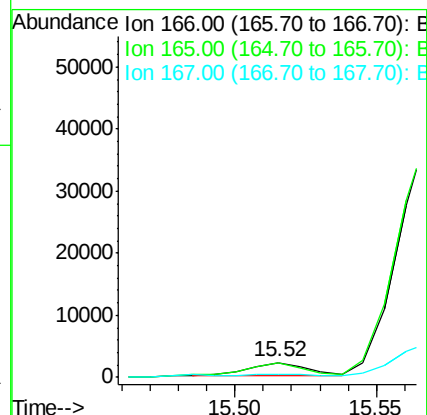
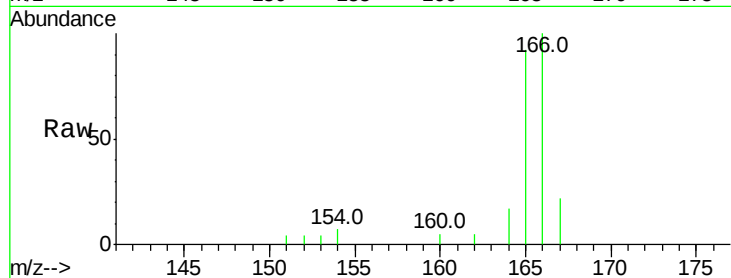
Tot Ion:166 Resp: 2955

Ion Ratio Lower Upper

166 100

165 92.1 73.4 110.2

167 21.7 14.6 22.0



#12

Phenanthrene

Concen: 13.438 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

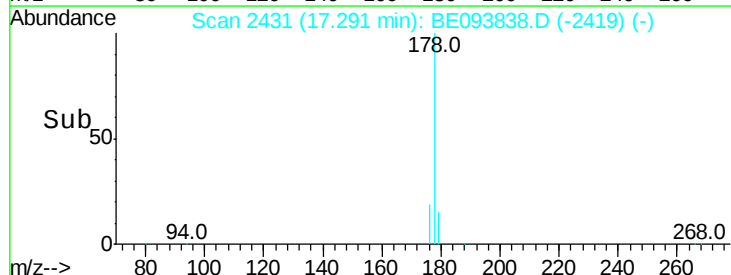
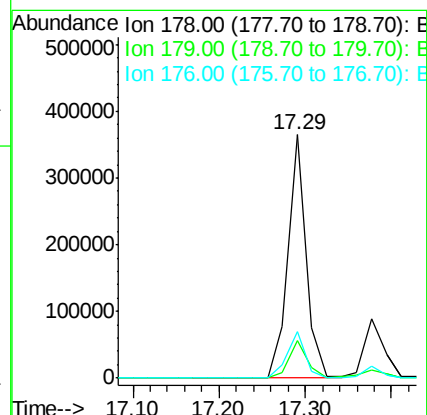
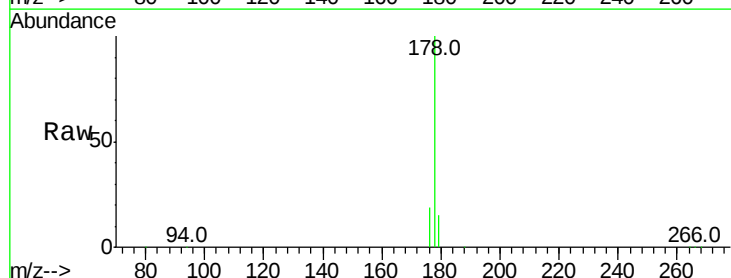
Tgt Ion:178 Resp: 544693

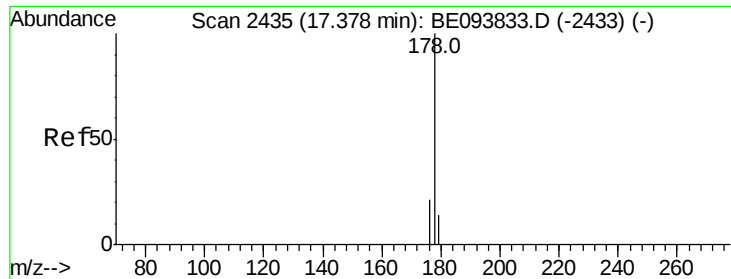
Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 19.3 13.6 20.4





#13

Anthracene

Concen: 3.567 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

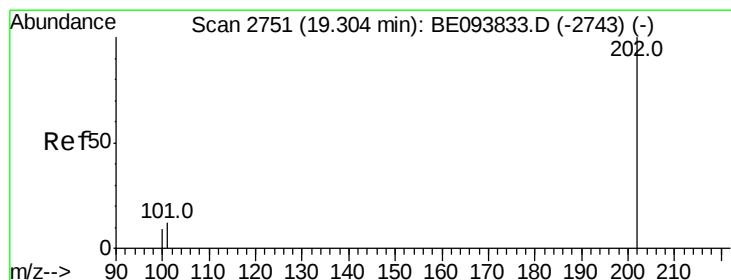
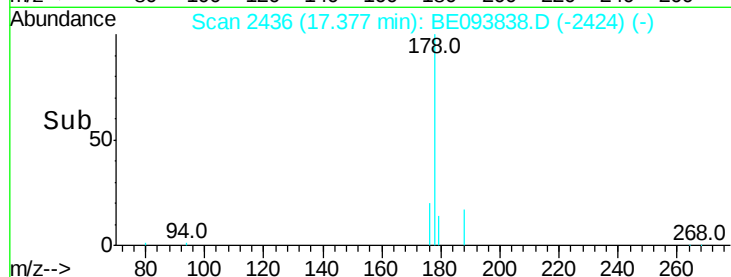
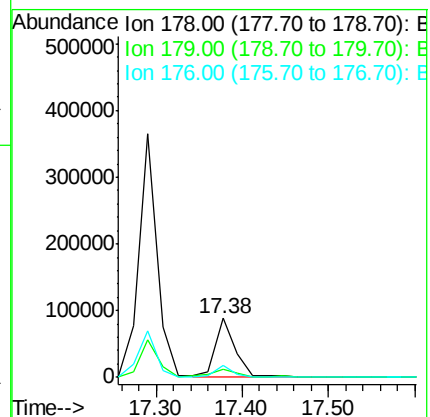
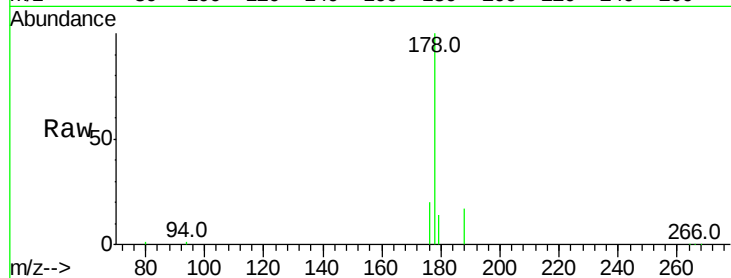
Tot Ion:178 Resp: 140823

Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

176 19.6 14.7 22.1



#15

Fluoranthene

Concen: 14.451 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

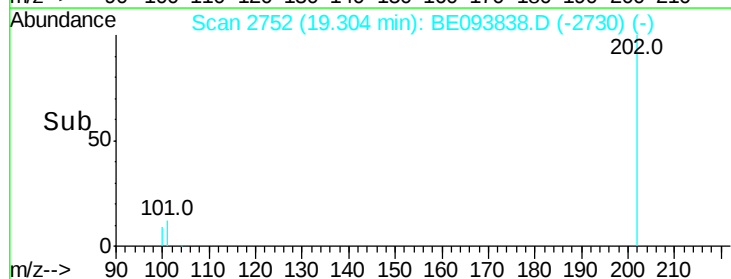
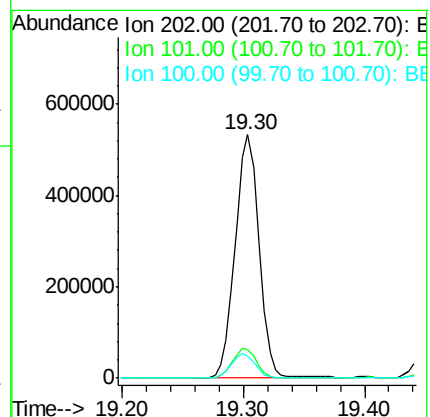
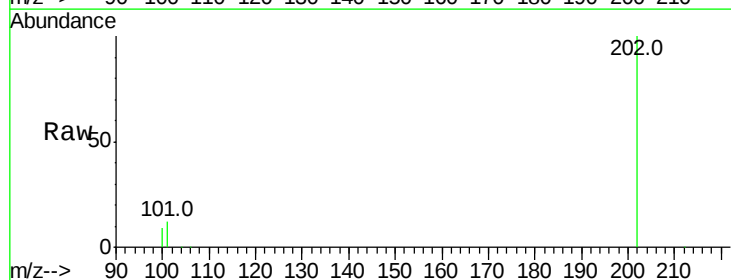
Tgt Ion:202 Resp: 732517

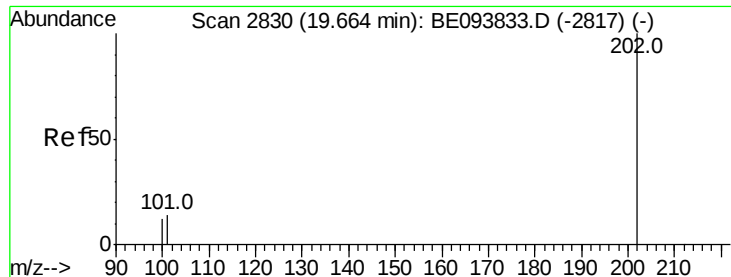
Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

100 9.4 0.0 39.5





#17

Pvrene

Concen: 12.236 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

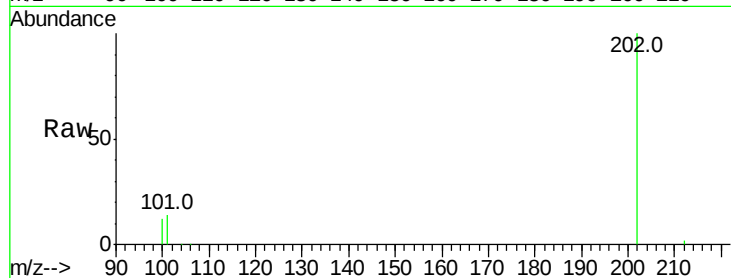
Tot Ion:202 Resp: 570020

Ion Ratio Lower Upper

202 100

101 14.2 18.2 27.4#

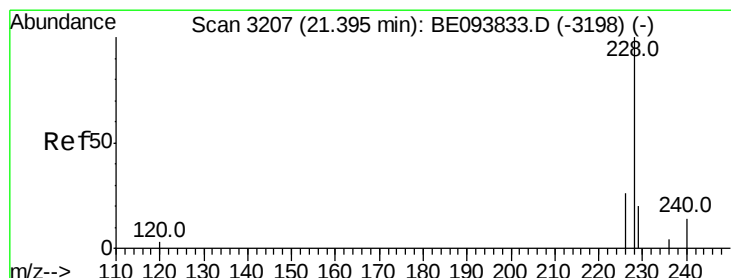
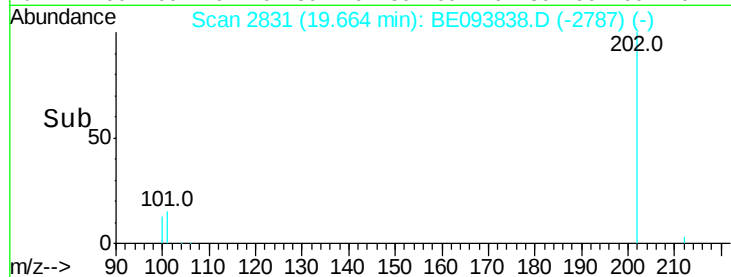
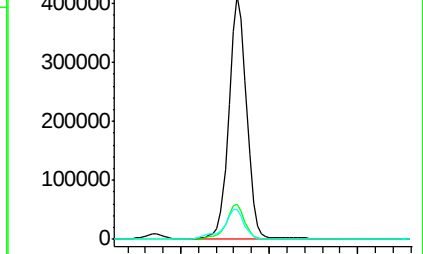
100 12.3 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 6.720 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

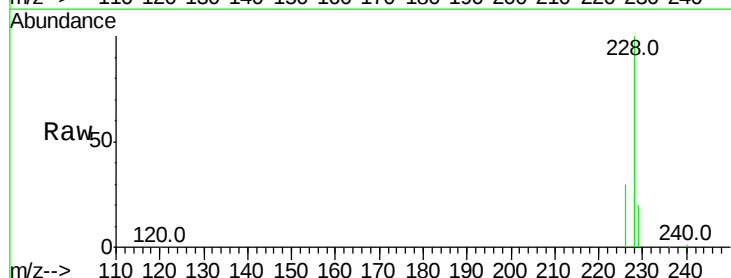
Tgt Ion:228 Resp: 310969

Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

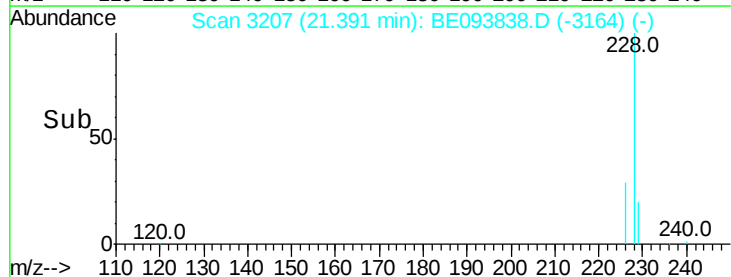
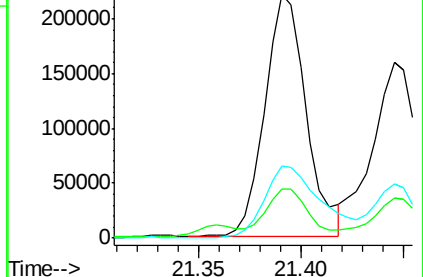
226 29.6 17.0 25.6#

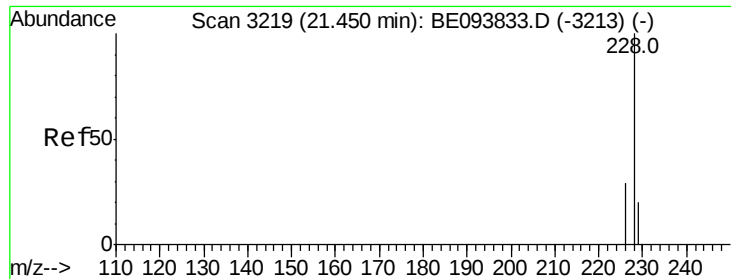


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 5.493 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

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C0AG6

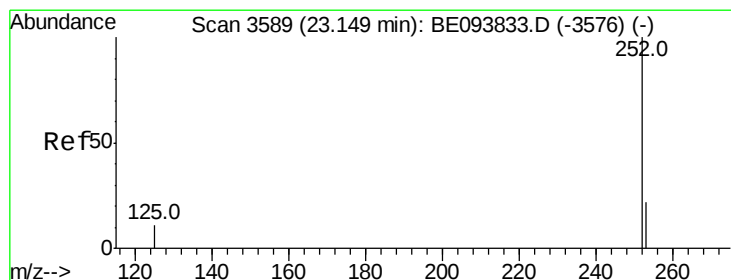
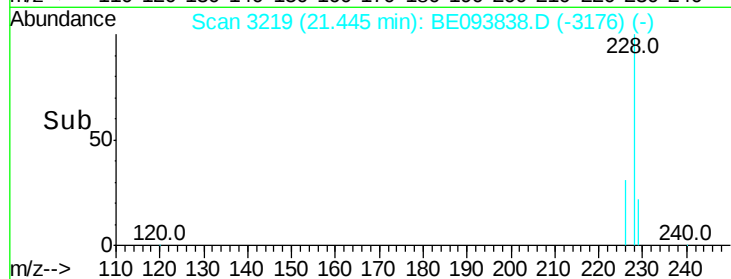
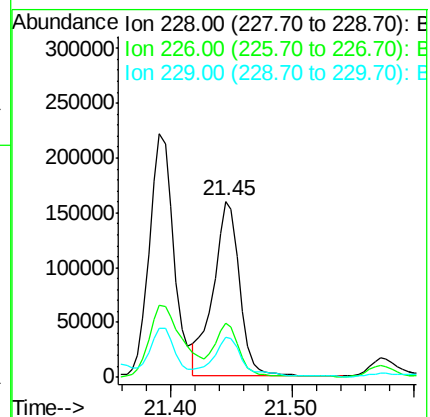
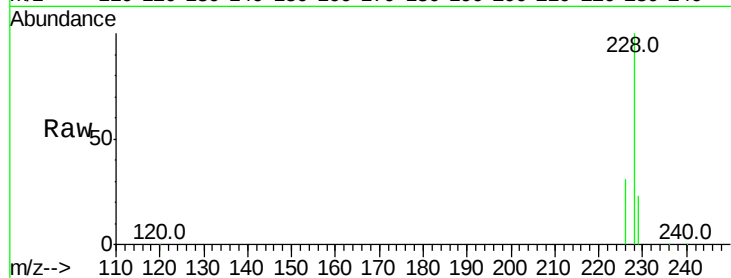
Tot Ion:228 Resp: 243819

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 22.8 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 6.996 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

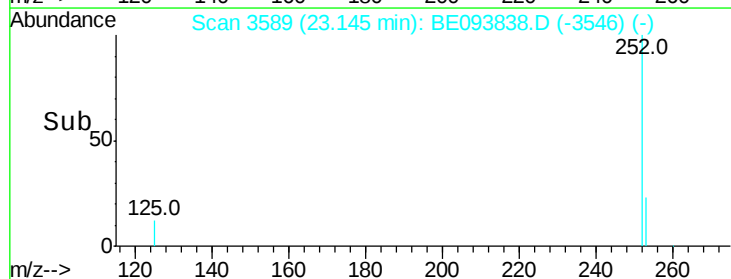
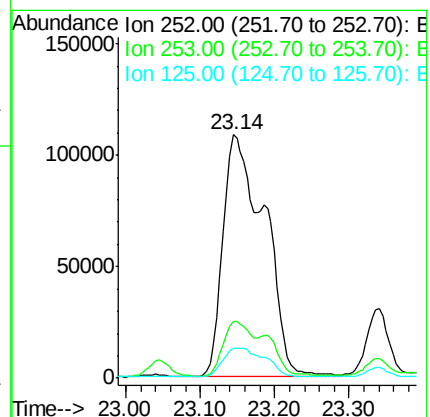
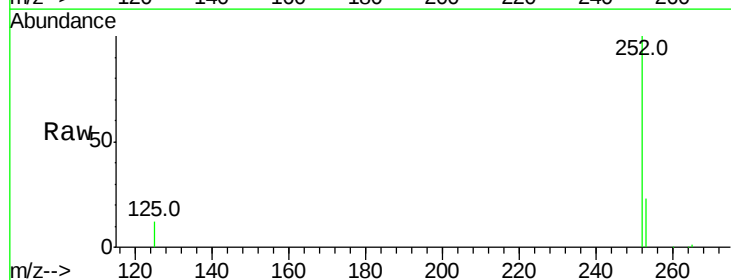
Tgt Ion:252 Resp: 423121

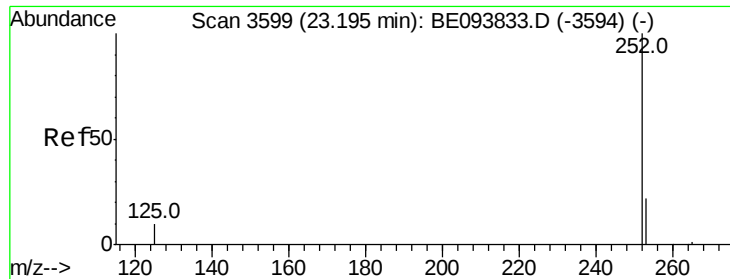
Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 12.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 7.094 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

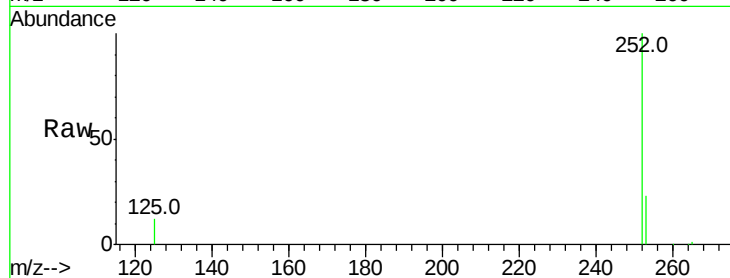
Tot Ion:252 Resp: 423121

Ion Ratio Lower Upper

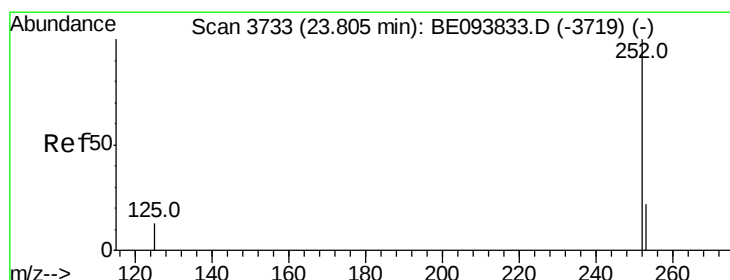
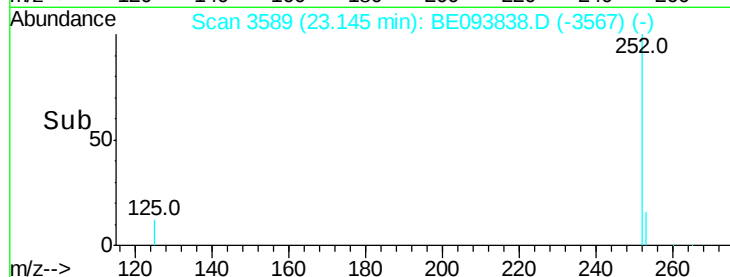
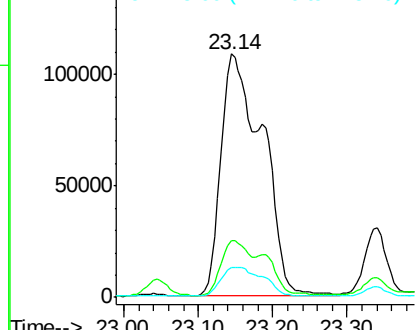
252 100

253 23.3 24.5 36.7#

125 12.1 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: 3.342 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

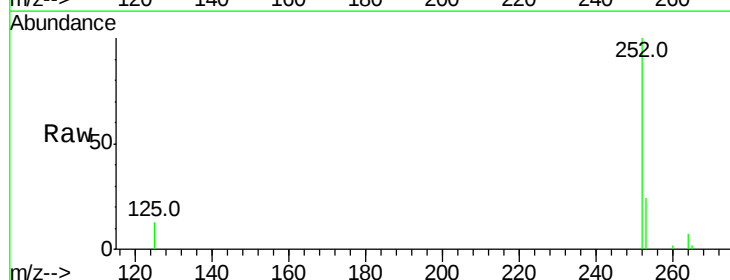
Tgt Ion:252 Resp: 192248

Ion Ratio Lower Upper

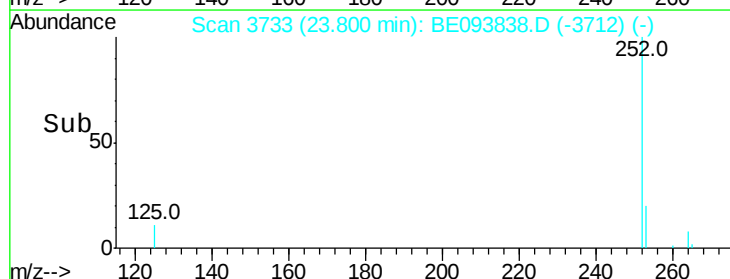
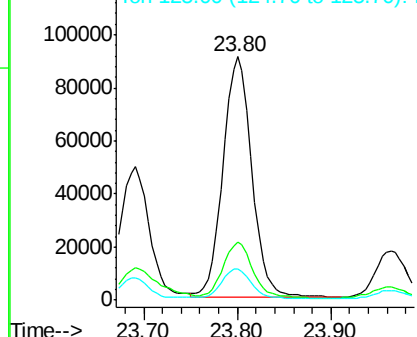
252 100

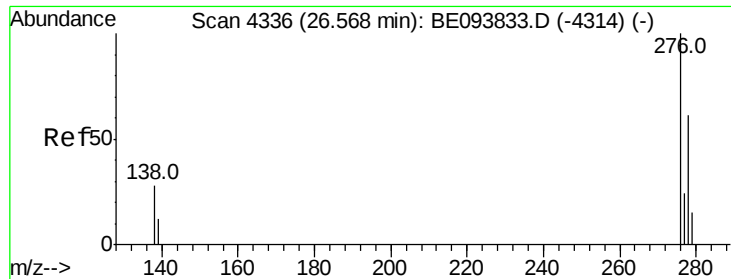
253 23.8 28.5 42.7#

125 12.7 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: 1.764 ng/ul

RT: 26.55 min Scan# 4332

Delta R.T. -0.02 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6

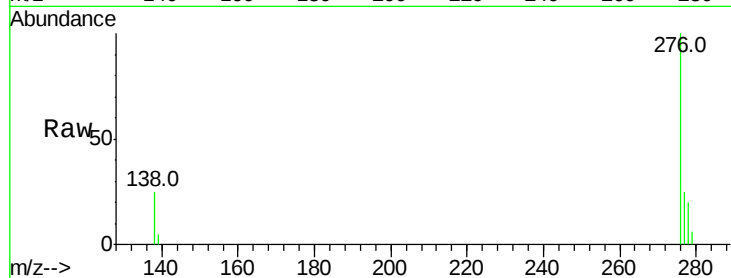
Tot Ion:276 Resp: 112055

Ion Ratio Lower Upper

276 100

138 23.9 28.0 42.0#

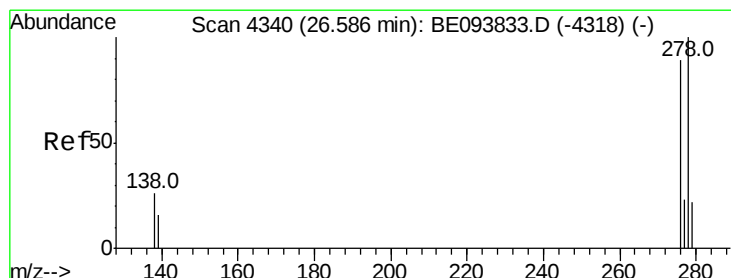
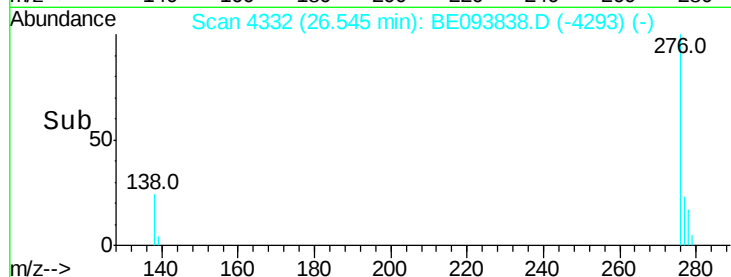
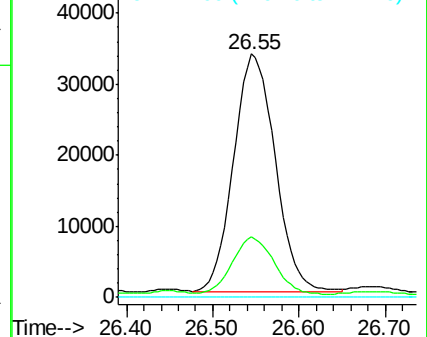
227 0.0 8.0 12.0#



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: 0.498 ng/ul

RT: 26.56 min Scan# 4336

Delta R.T. -0.02 min

Lab File: BE093838.D

Acq: 16 Aug 2017 13:29

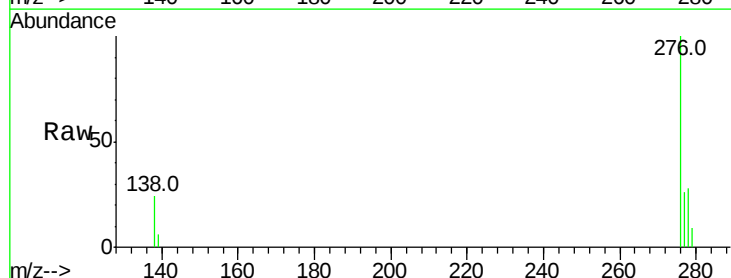
Tgt Ion:278 Resp: 26426

Ion Ratio Lower Upper

278 100

139 21.3 17.4 26.0

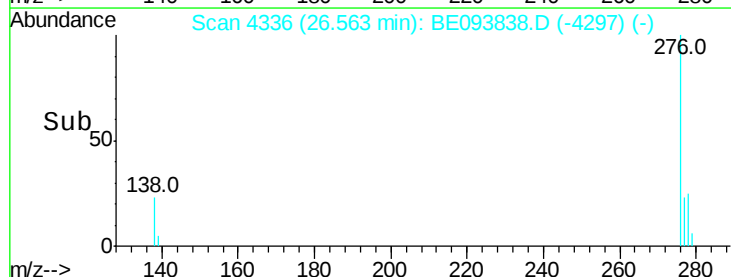
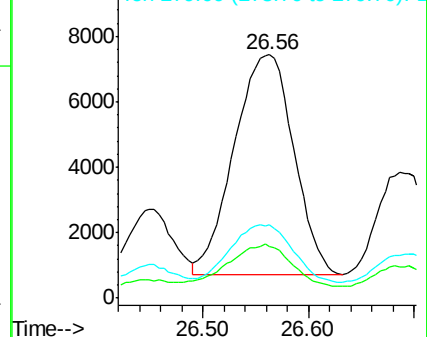
279 30.3 25.9 38.9

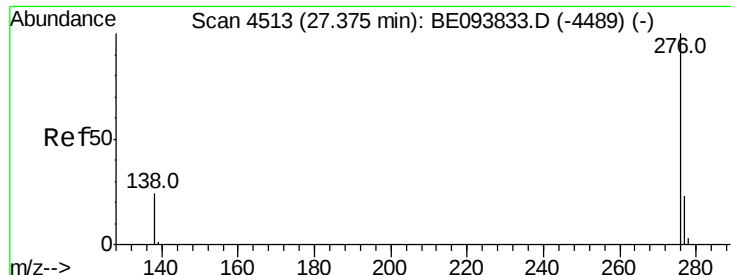


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.510 ng/ul

RT: 27.37 min Scan# 4512

Delta R.T. -0.01 min

Lab File: BE093838.D

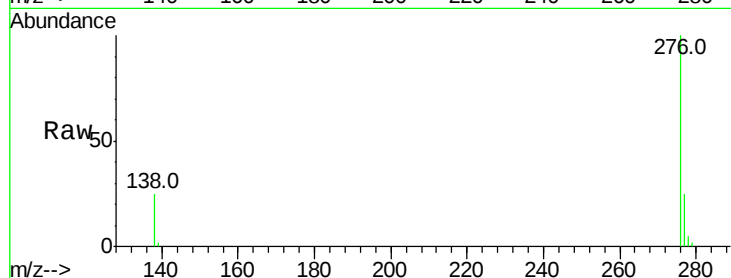
Acq: 16 Aug 2017 13:29

Instrument :

BNA_E

ClientSampleId :

C0AG6



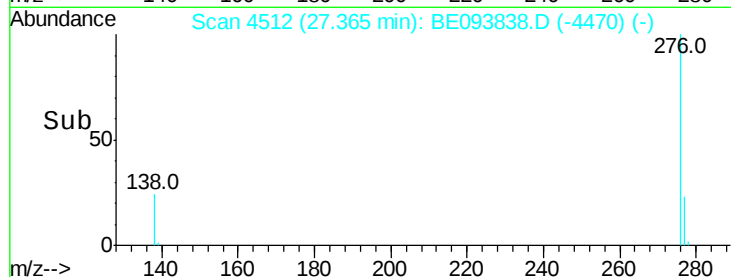
Tot Ion:276 Resp: 80839

Ion Ratio Lower Upper

276 100

138 25.3 21.8 32.8

277 25.0 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

