

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093841.D
 Acq On : 16 Aug 2017 15:22
 Operator : SJ/JU
 Sample : I4672-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH4

Quant Time: Aug 17 00:59:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

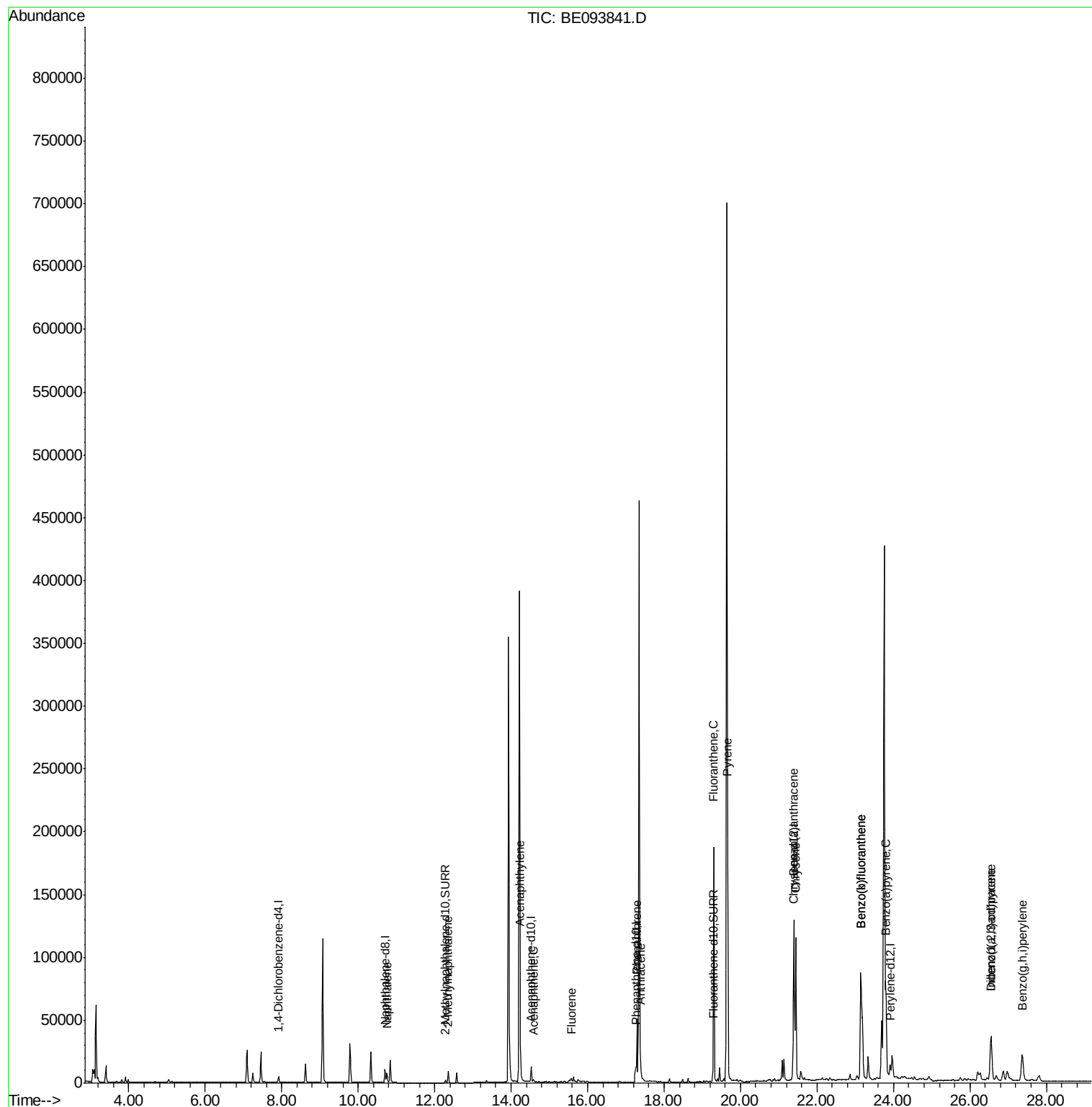
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2228	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11687	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7018	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15108	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16137	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19511	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3379	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8781	0.18	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	11516	0.405	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	8225	0.397	ng/ul	99
7) Acenaphthylene	14.24	152	13264	0.452	ng/ul	98
8) Acenaphthene	14.58	153	1180	0.051	ng/ul	96
9) Fluorene	15.57	166	1695	0.058	ng/ul#	91
12) Phenanthrene	17.29	178	55925	1.359	ng/ul#	90
13) Anthracene	17.38	178	16029	0.400	ng/ul#	91
15) Fluoranthene	19.30	202	211383	4.108	ng/ul	84
17) Pyrene	19.66	202	197085	4.184	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	119724	2.559	ng/ul#	85
19) Chrysene	21.44	228	122483	2.729	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	227080	3.762	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	227080	3.815	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	105109	1.831	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.55	276	66911	1.056	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.56	278	17634	0.333	ng/ul	97
26) Benzo(a,h,i)perylene	27.37	276	53405	1.000	ng/ul	98

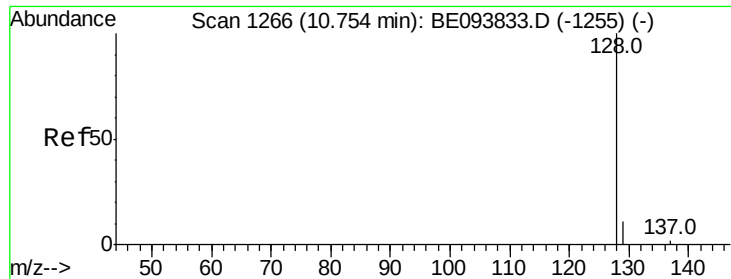
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

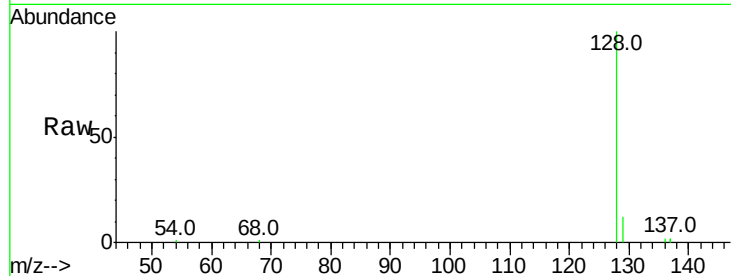
Tot Ion:128 Resp: 11516

Ion Ratio Lower Upper

128 100

129 12.0 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

8000

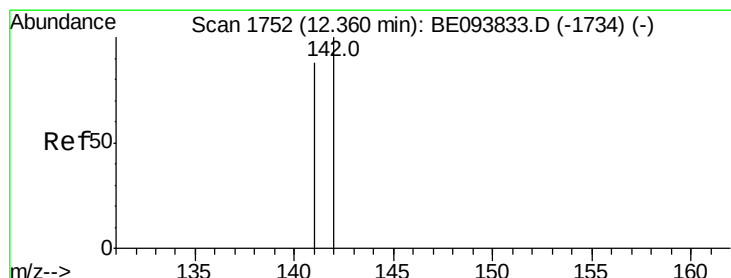
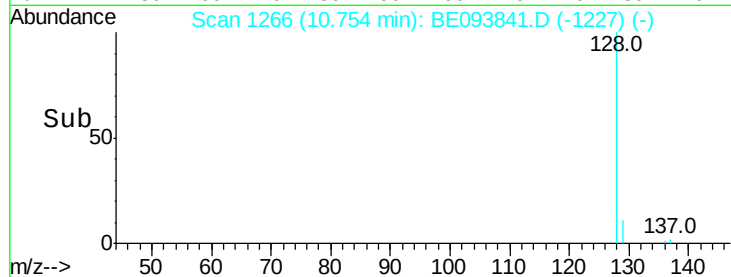
6000

4000

2000

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.397 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093841.D

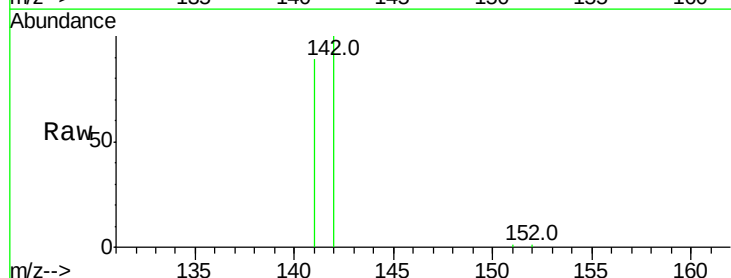
Acq: 16 Aug 2017 15:22

Tgt Ion:142 Resp: 8225

Ion Ratio Lower Upper

142 100

141 89.5 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

6000

5000

4000

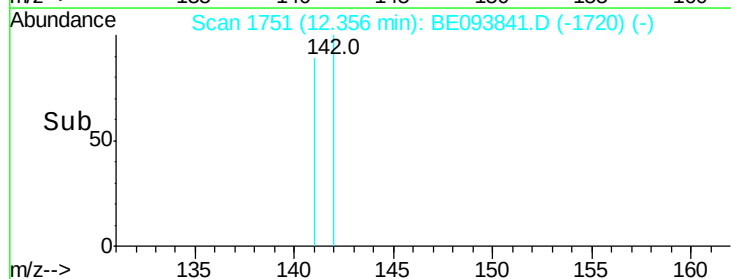
3000

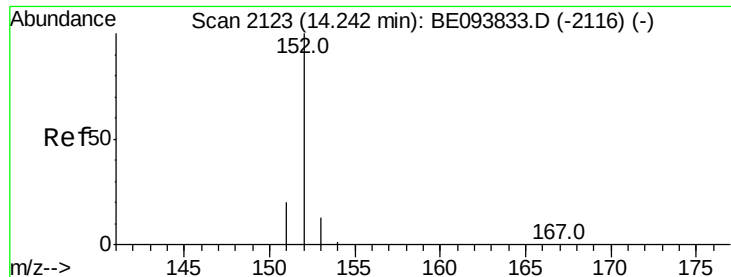
2000

1000

0

Time-->





#7

Acenaphthylene

Concen: 0.452 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

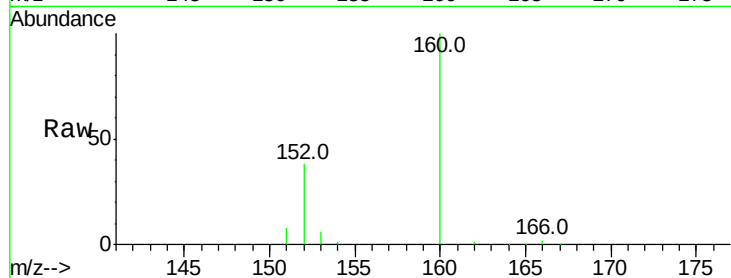
Tot Ion:152 Resp: 13264

Ion Ratio Lower Upper

152 100

151 21.0 17.1 25.7

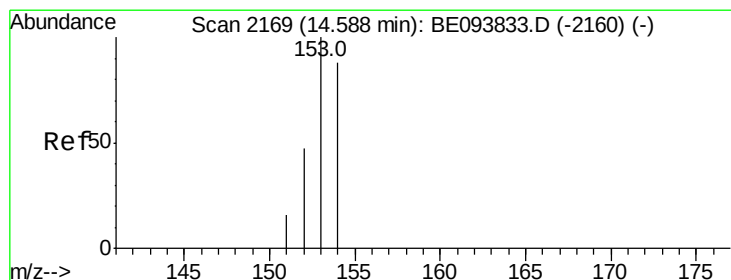
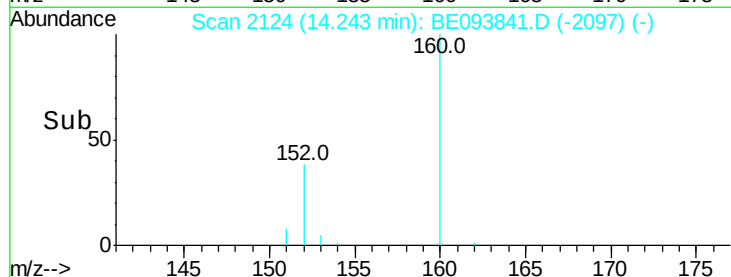
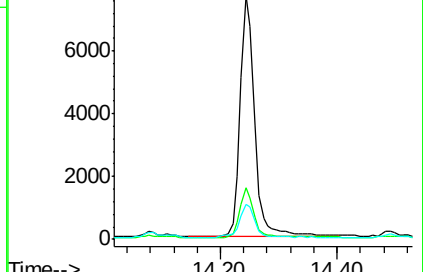
153 14.6 12.8 19.2



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: 0.051 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

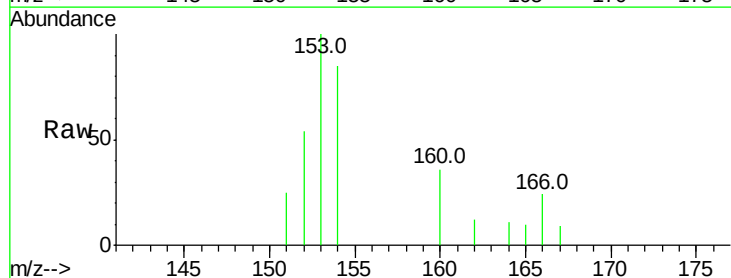
Tgt Ion:153 Resp: 1180

Ion Ratio Lower Upper

153 100

152 53.6 40.3 60.5

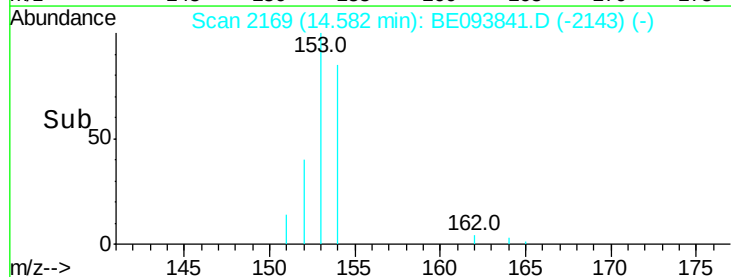
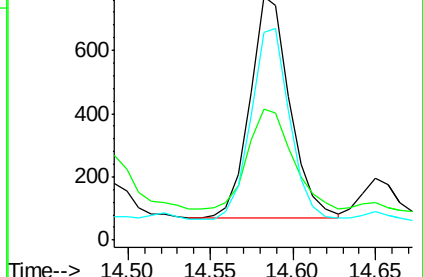
154 85.2 71.4 107.2

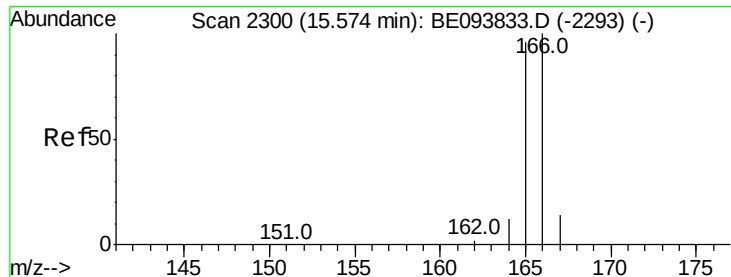


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.058 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

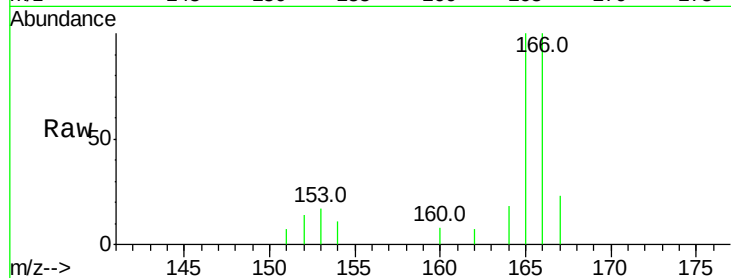
Tot Ion:166 Resp: 1695

Ion Ratio Lower Upper

166 100

165 99.5 73.4 110.2

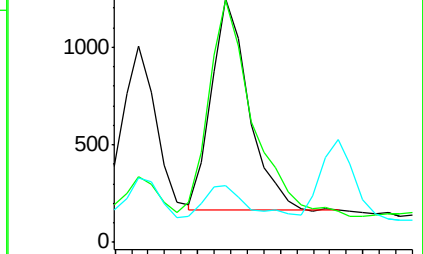
167 23.3 14.6 22.0#



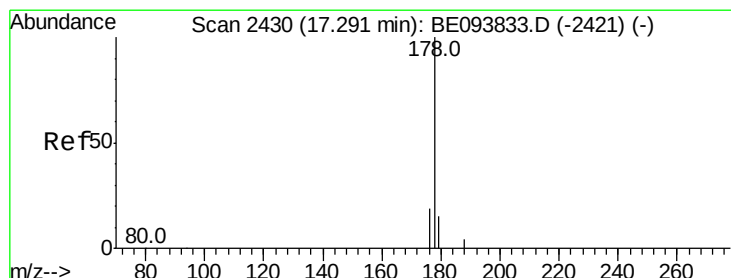
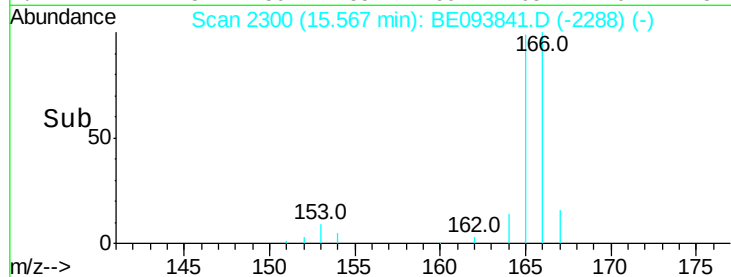
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.50 15.55 15.60 15.65



#12

Phenanthrene

Concen: 1.359 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

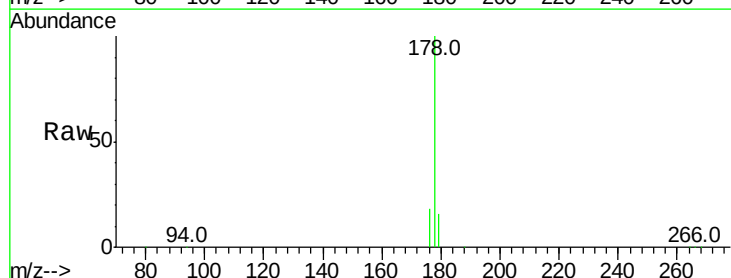
Tgt Ion:178 Resp: 55925

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

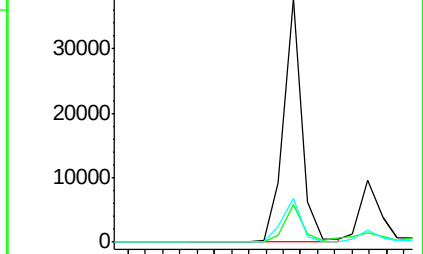
176 18.0 13.6 20.4



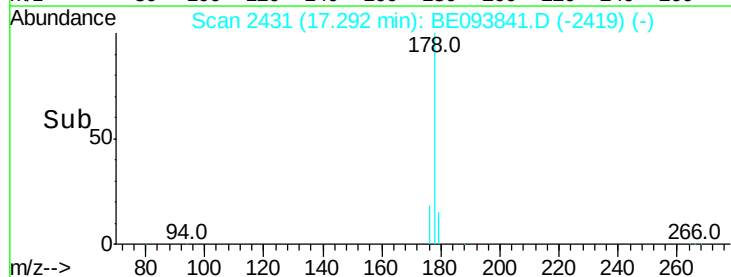
Abundance Ion 178.00 (177.70 to 178.70): E

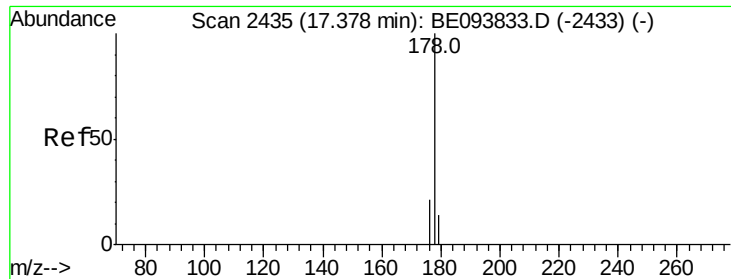
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.10 17.20 17.30 17.40

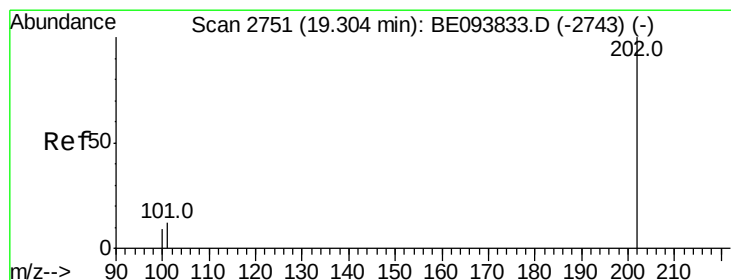
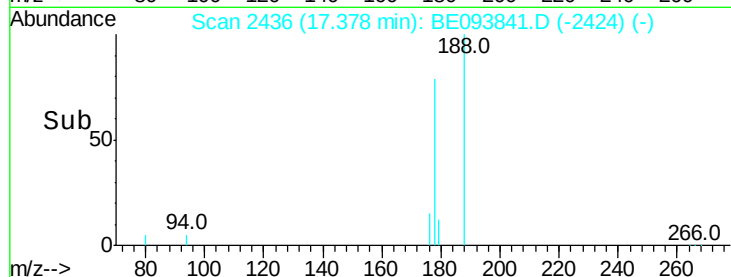
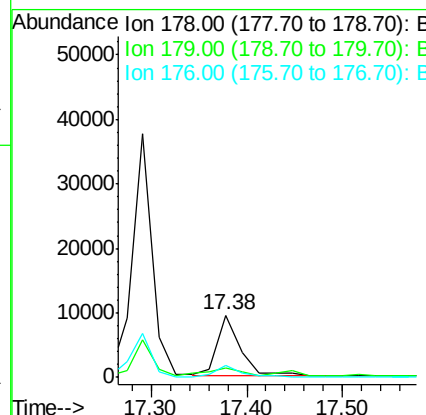
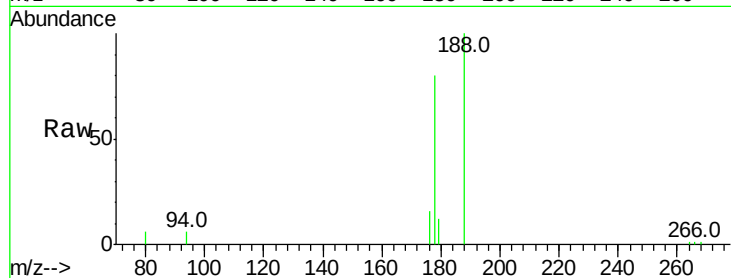




#13
 Anthracene
 Concen: 0.400 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BE093841.D
 Acq: 16 Aug 2017 15:22

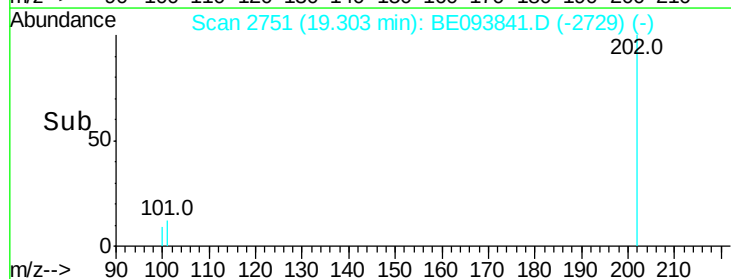
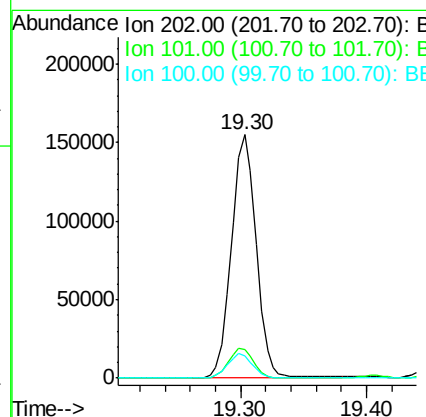
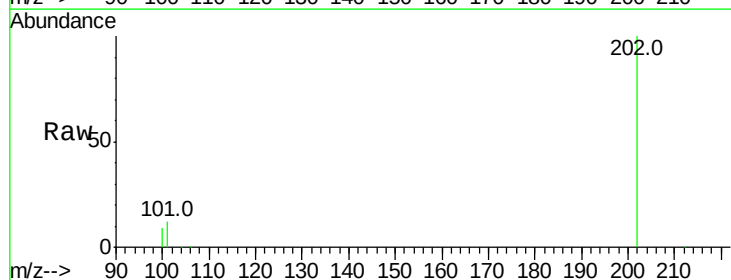
Instrument :
 BNA_E
 ClientSampleId :
 C0AH4

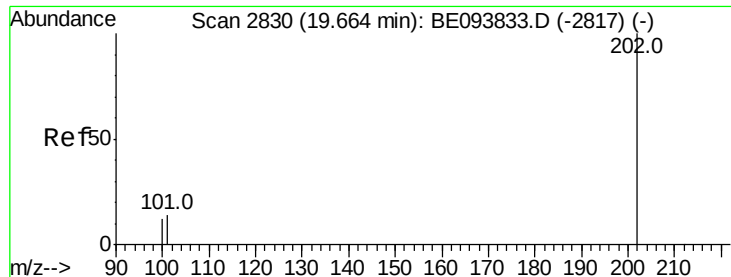
Tot Ion:178 Resp: 16029
 Ion Ratio Lower Upper
 178 100
 179 15.7 18.1 27.1#
 176 19.6 14.7 22.1



#15
 Fluoranthene
 Concen: 4.108 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BE093841.D
 Acq: 16 Aug 2017 15:22

Tgt Ion:202 Resp: 211383
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.3
 100 9.2 0.0 39.5





#17

Pvrene

Concen: 4.184 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

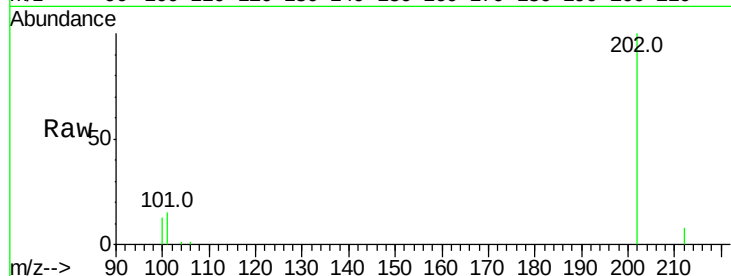
Tot Ion:202 Resp: 197085

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

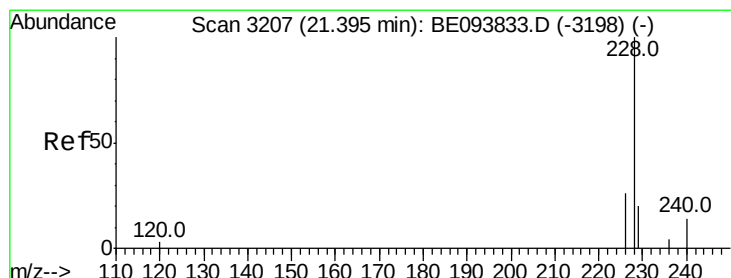
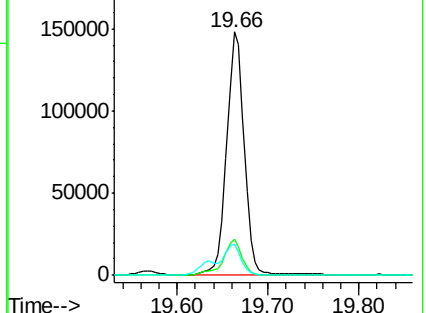
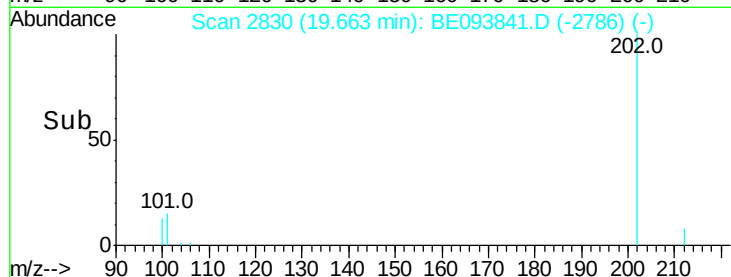
100 12.8 15.6 23.4#



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: 2.559 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

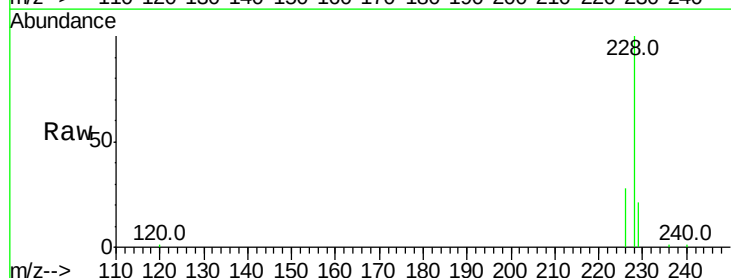
Tgt Ion:228 Resp: 119724

Ion Ratio Lower Upper

228 100

229 20.5 22.8 34.2#

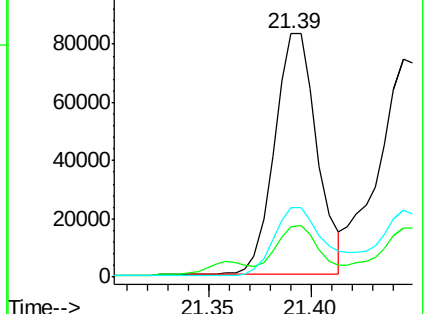
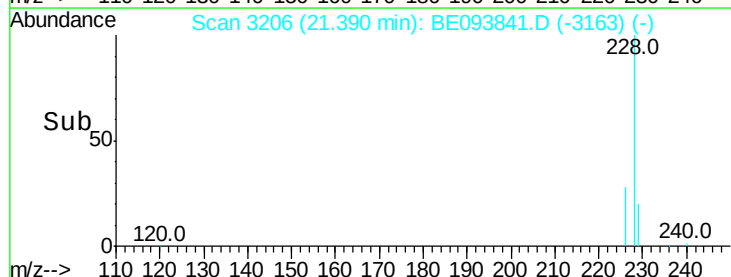
226 28.4 17.0 25.6#

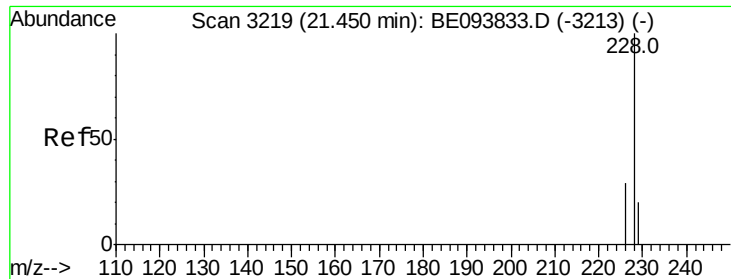


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.729 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

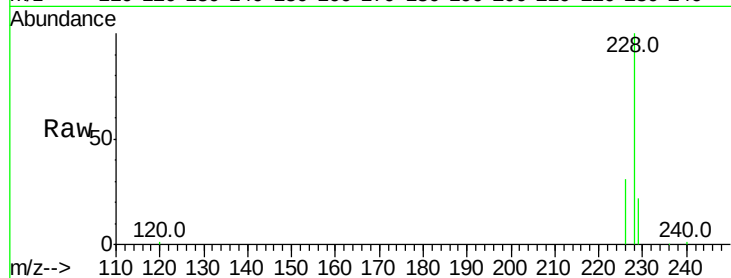
Tot Ion:228 Resp: 122483

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

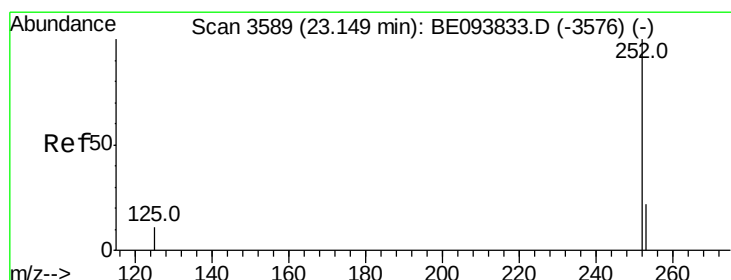
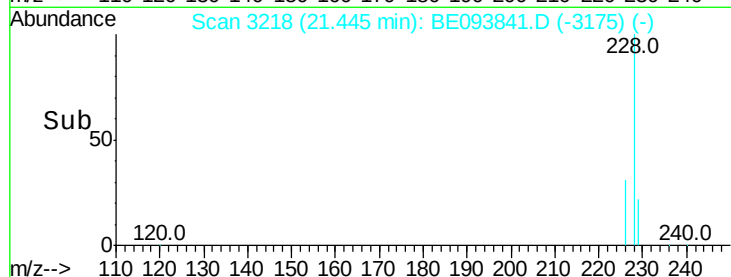
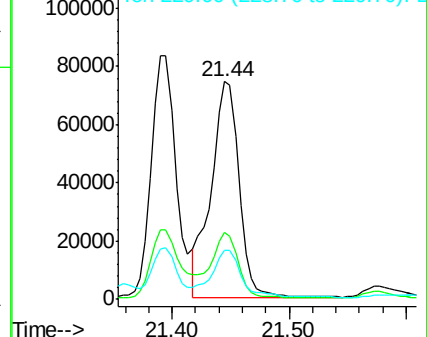
229 22.3 17.7 26.5



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: 3.762 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

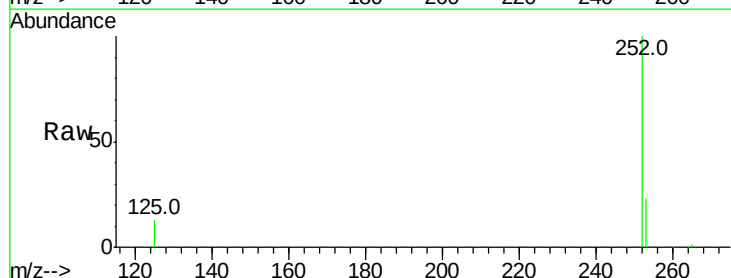
Tgt Ion:252 Resp: 227080

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

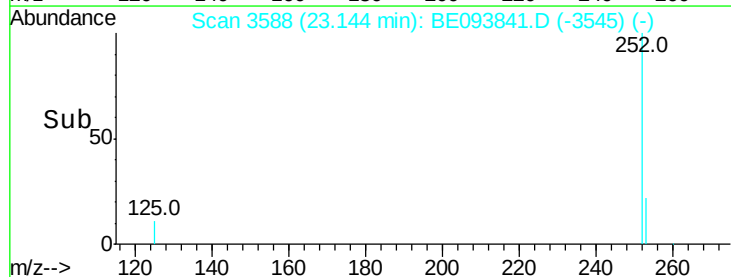
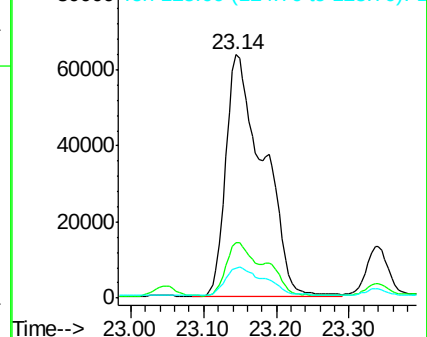
125 12.5 0.0 35.0

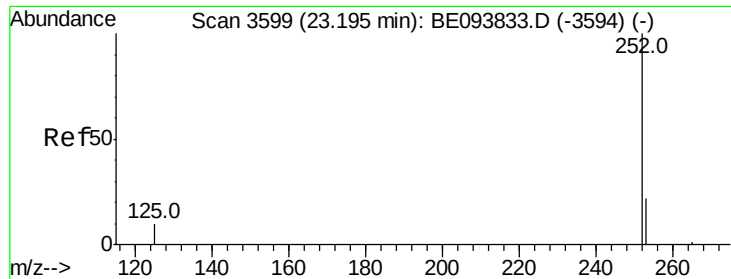


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.815 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

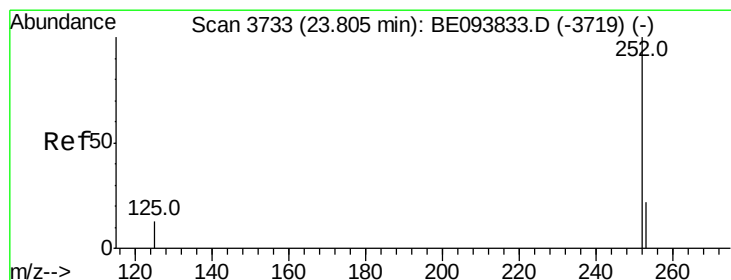
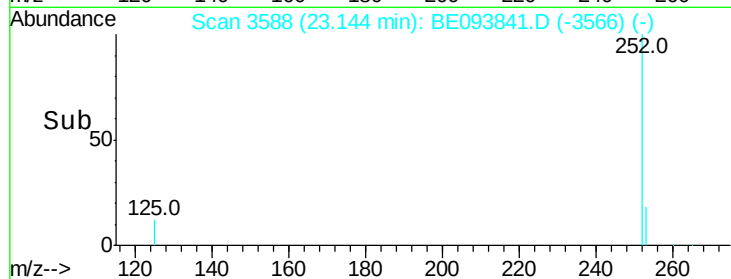
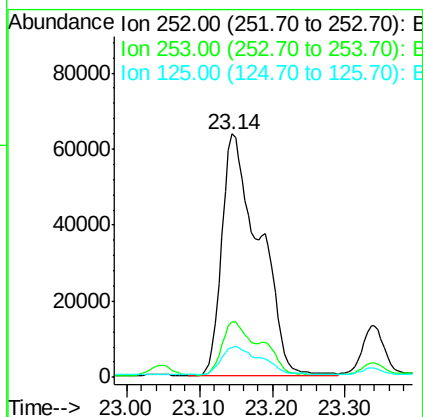
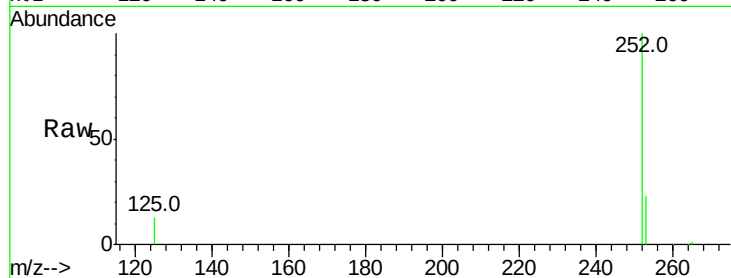
Tot Ion:252 Resp: 227080

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

125 12.5 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 1.831 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

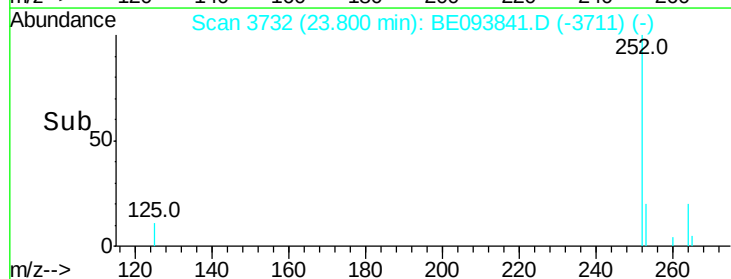
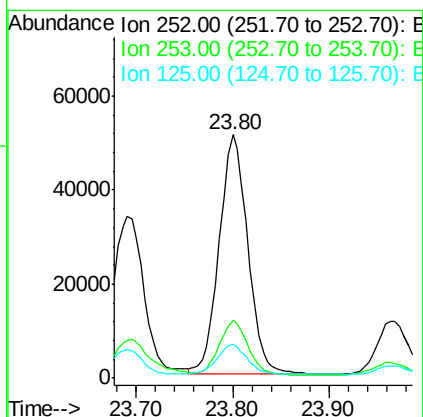
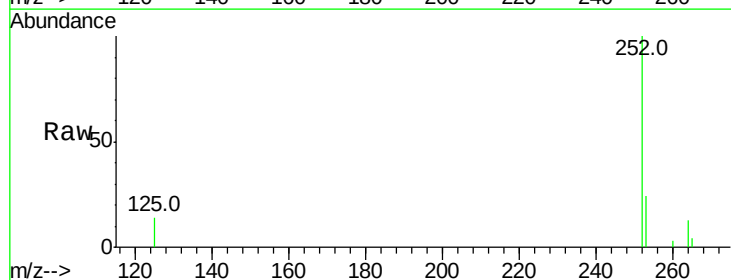
Tgt Ion:252 Resp: 105109

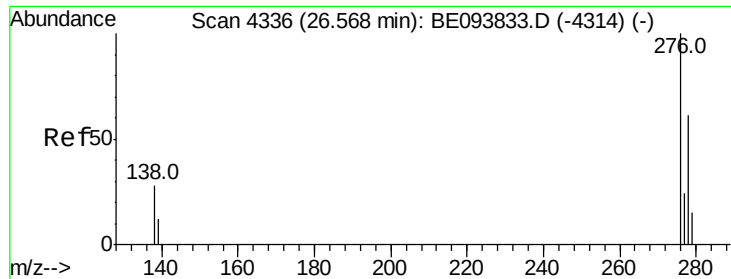
Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

125 13.8 18.1 27.1#



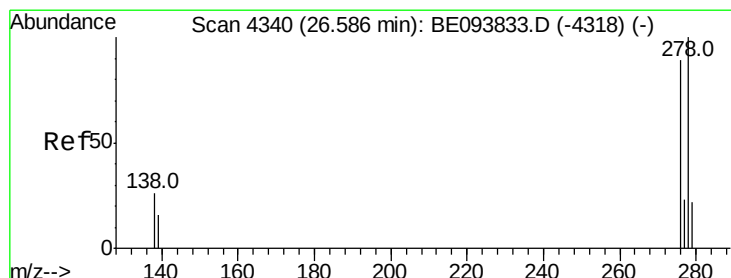
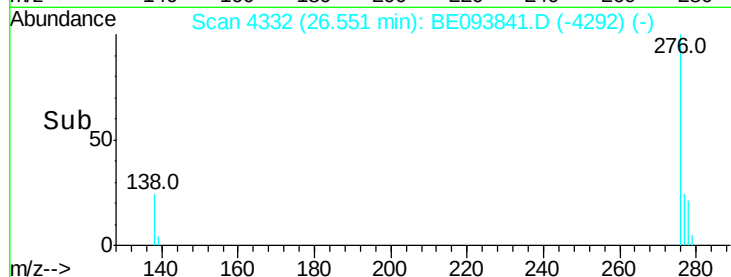
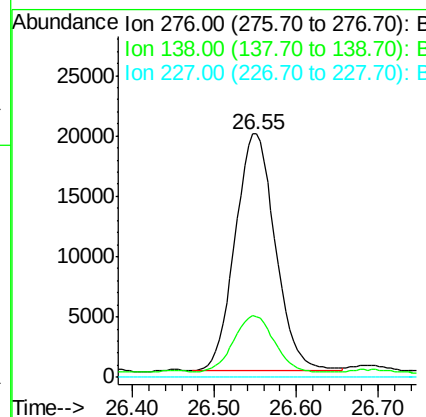
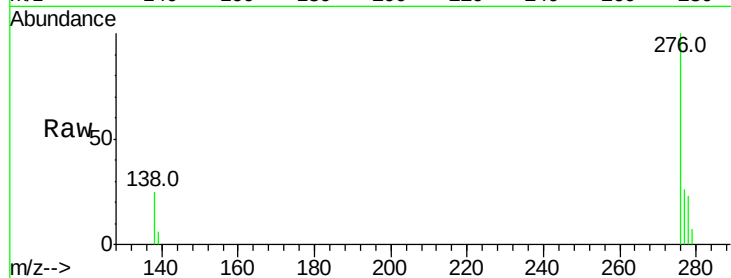


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.056 ng/ul
RT: 26.55 min Scan# 4332
Delta R.T. -0.02 min
Lab File: BE093841.D
Acq: 16 Aug 2017 15:22

Instrument :
BNA_E
ClientSampleId :
C0AH4

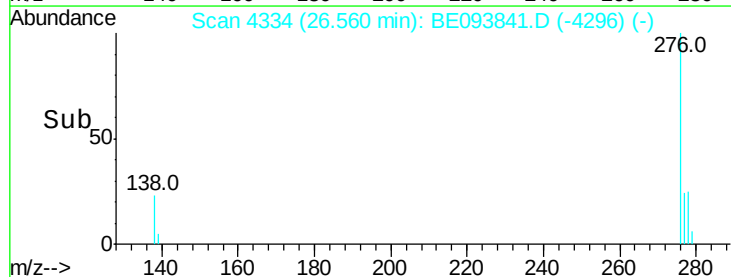
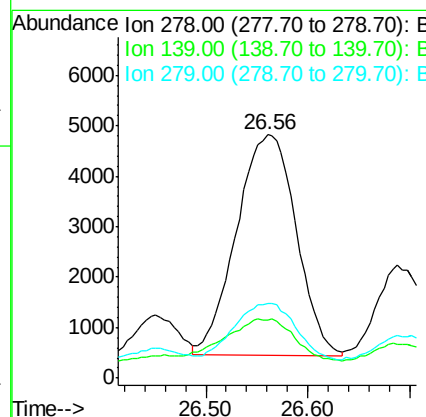
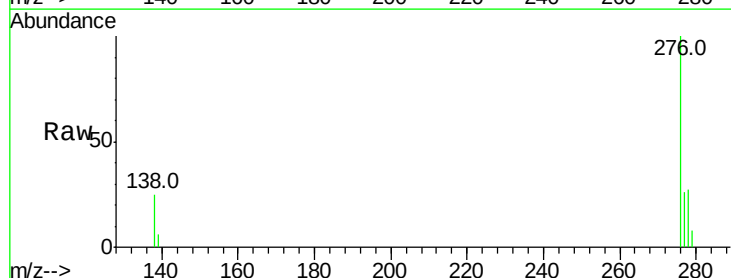
Tot Ion:276 Resp: 66911
Ion Ratio Lower Upper
276 100
138 24.5 28.0 42.0#
227 0.0 8.0 12.0#

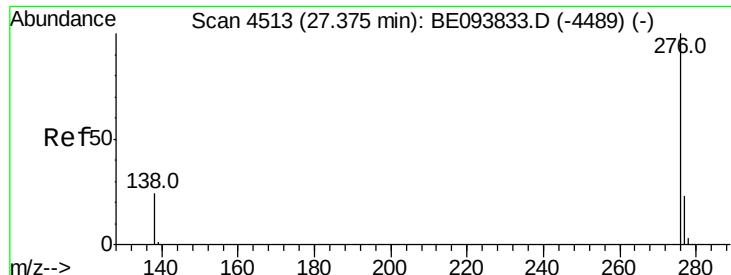


#25

Dibenzo(a,h)anthracene
Concen: 0.333 ng/ul
RT: 26.56 min Scan# 4334
Delta R.T. -0.03 min
Lab File: BE093841.D
Acq: 16 Aug 2017 15:22

Tgt Ion:278 Resp: 17634
Ion Ratio Lower Upper
278 100
139 23.8 17.4 26.0
279 30.9 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.000 ng/ul

RT: 27.37 min Scan# 4511

Delta R.T. -0.01 min

Lab File: BE093841.D

Acq: 16 Aug 2017 15:22

Instrument :

BNA_E

ClientSampleId :

C0AH4

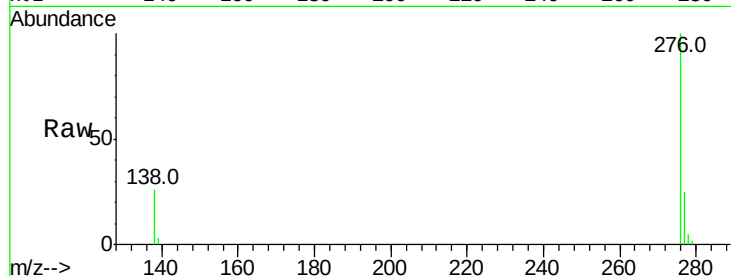
Tot Ion:276 Resp: 53405

Ion Ratio Lower Upper

276 100

138 26.1 21.8 32.8

277 25.2 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

