

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094259.D
 Acq On : 10 Oct 2017 20:03
 Operator : SJ/JU
 Sample : I5522-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:32:55 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

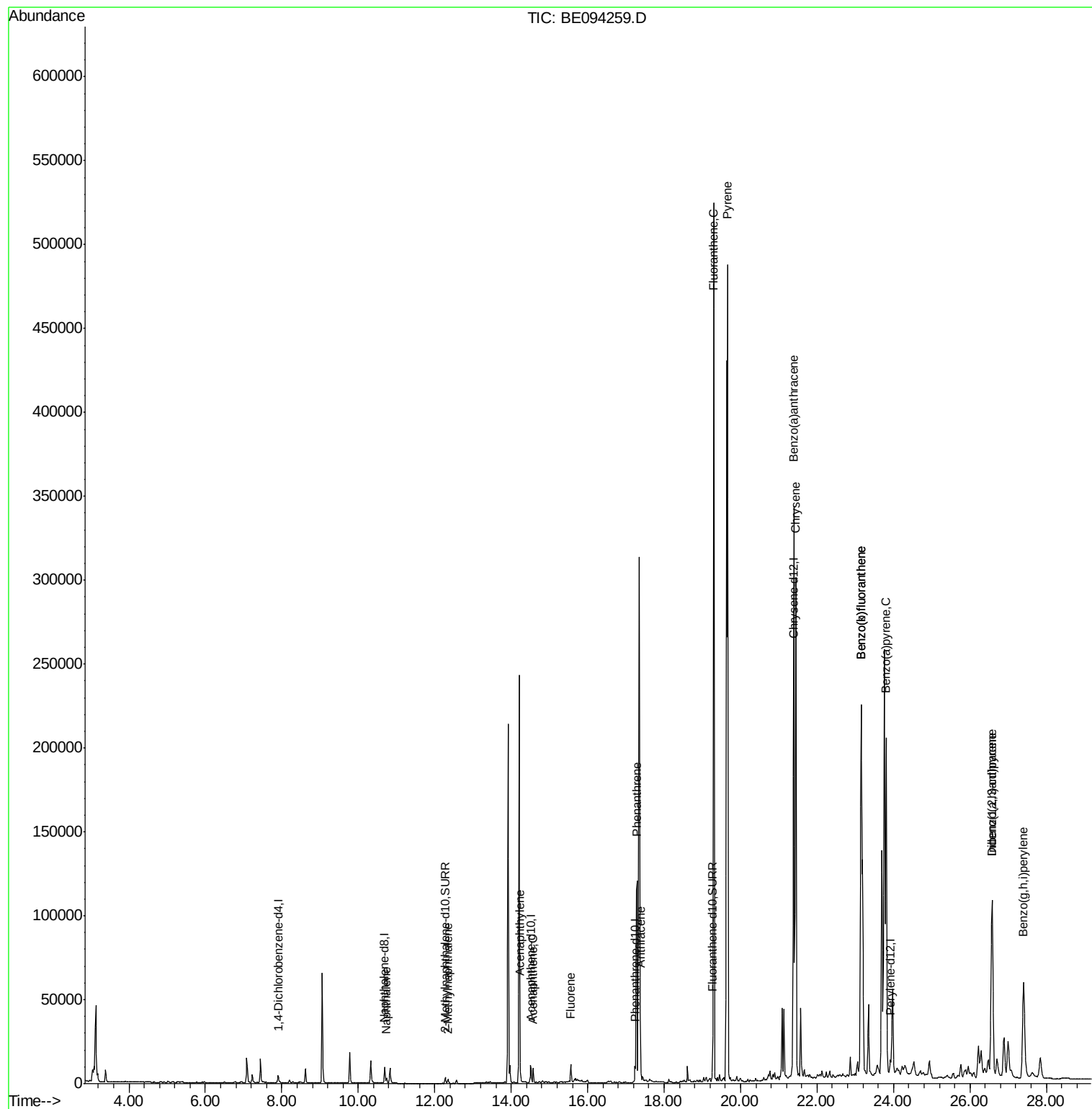
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2027	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10162	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5802	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	12337	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12659	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11750	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5406	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	12838	0.31	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4080	0.164	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2483	0.154	ng/ul	98
7) Acenaphthylene	14.24	152	7802	0.345	ng/ul	98
8) Acenaphthene	14.57	153	5039	0.271	ng/ul	98
9) Fluorene	15.56	166	6874	0.315	ng/ul	94
12) Phenanthrene	17.29	178	187786	5.825	ng/ul#	93
13) Anthracene	17.38	178	50740	1.618	ng/ul#	92
15) Fluoranthene	19.30	202	572179	13.507	ng/ul	84
17) Pyrene	19.66	202	529969	15.047	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	312317	9.300	ng/ul#	86
19) Chrysene	21.44	228	316074	8.150	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	563590	17.657	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	563590	15.276	ng/ul#	88
23) Benzo(a)pyrene	23.81	252	301173	9.080	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.58	276	195770	5.770	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.58	278	51053	1.794	ng/ul	95
26) Benzo(a,h,i)perylene	27.40	276	144725	4.945	ng/ul	98

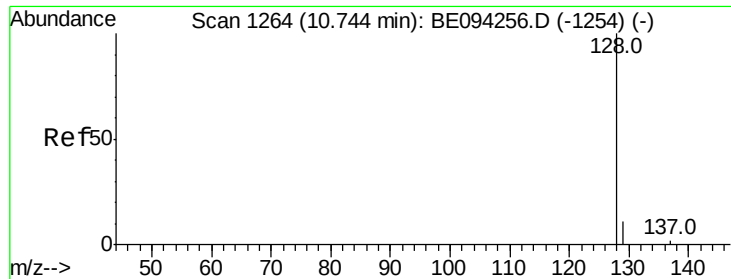
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.164 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

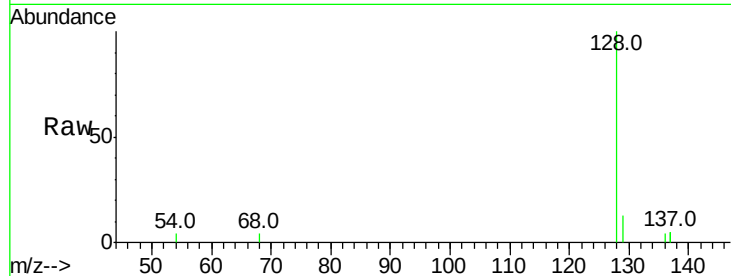
Tot Ion:128 Resp: 4080

Ion Ratio Lower Upper

128 100

129 13.4 11.3 16.9

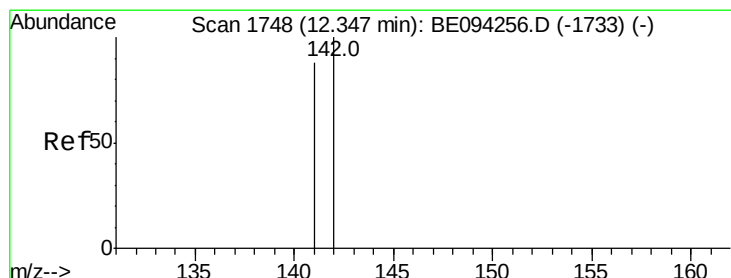
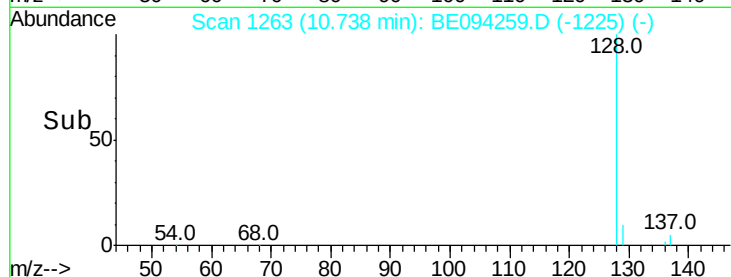
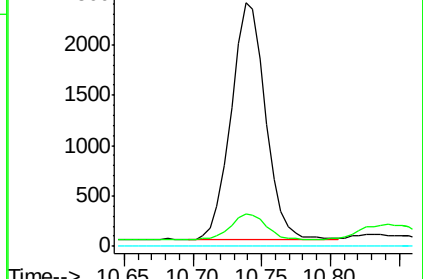
127 0.0 4.0 6.0#



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: 0.154 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BE094259.D

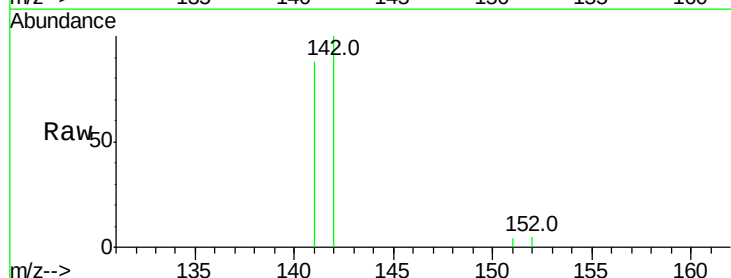
Acq: 10 Oct 2017 20:03

Tgt Ion:142 Resp: 2483

Ion Ratio Lower Upper

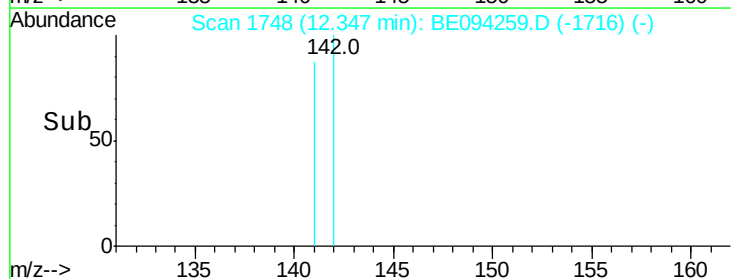
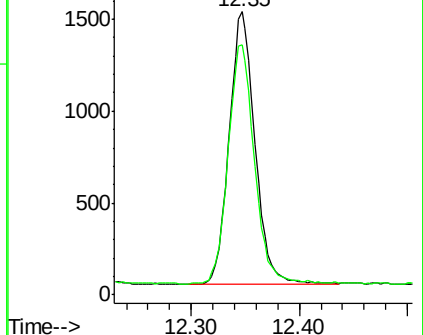
142 100

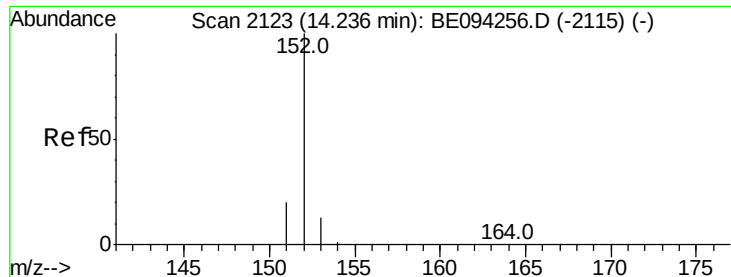
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.345 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampled :

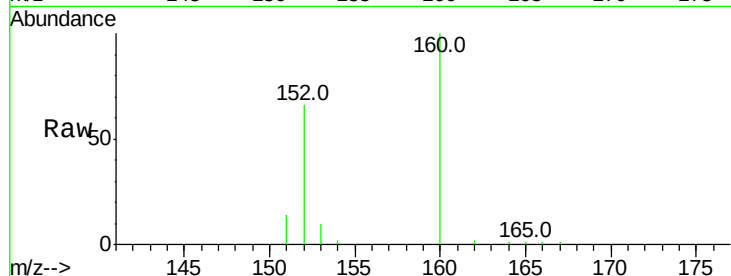
Tot Ion:152 Resp: 7802

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

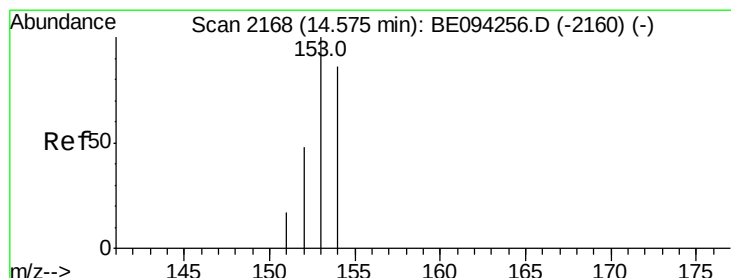
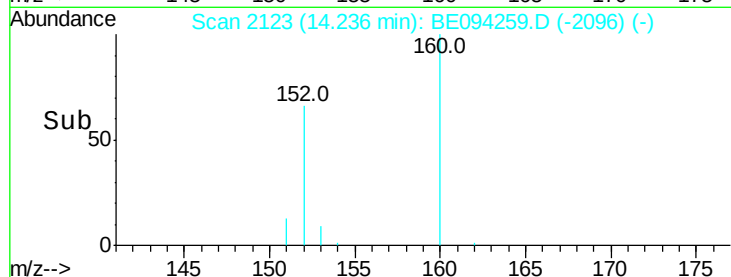
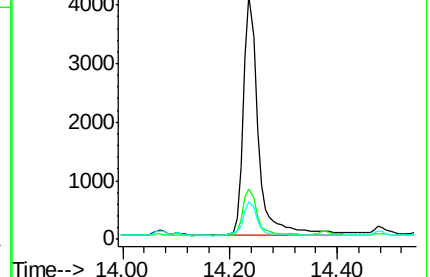
153 15.2 12.8 19.2



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: 0.271 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

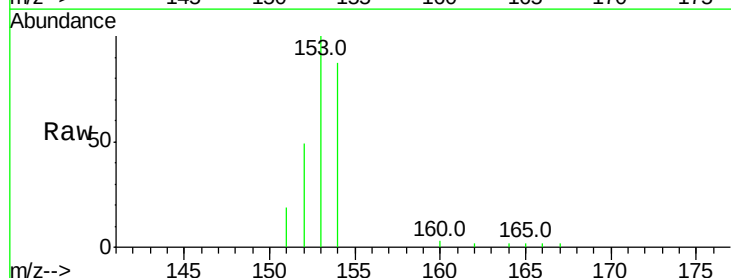
Tgt Ion:153 Resp: 5039

Ion Ratio Lower Upper

153 100

152 48.9 40.3 60.5

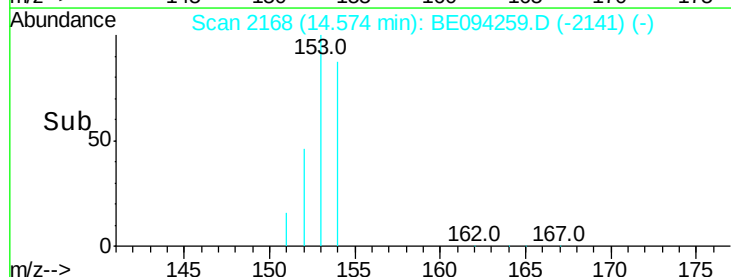
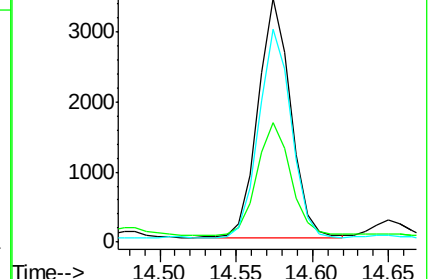
154 87.2 71.4 107.2

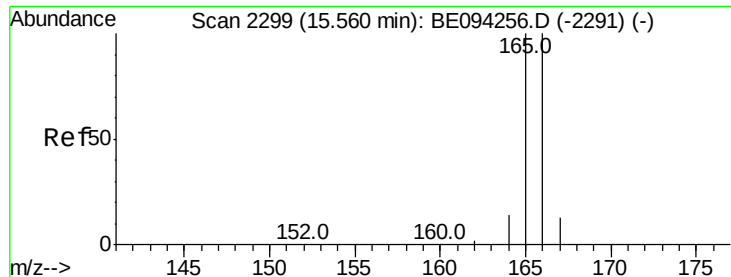


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.315 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

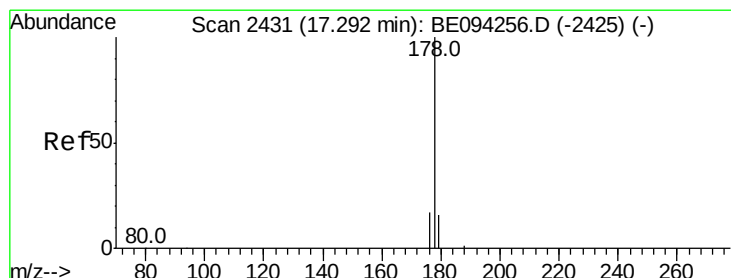
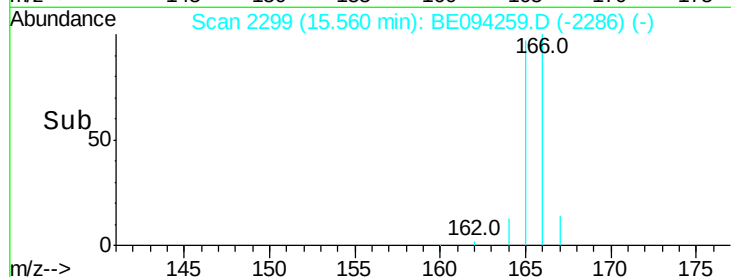
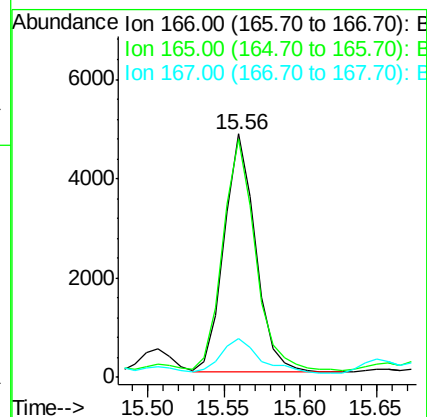
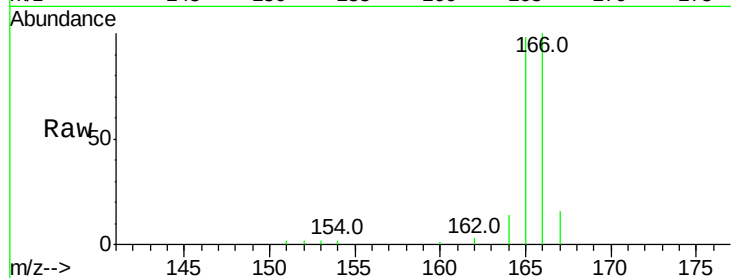
Tot Ion:166 Resp: 6874

Ion Ratio Lower Upper

166 100

165 97.7 73.4 110.2

167 15.7 14.6 22.0



#12

Phenanthrene

Concen: 5.825 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

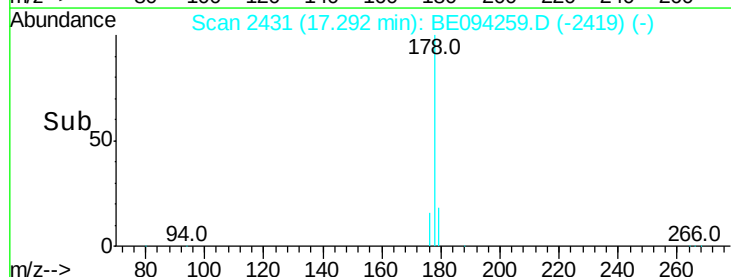
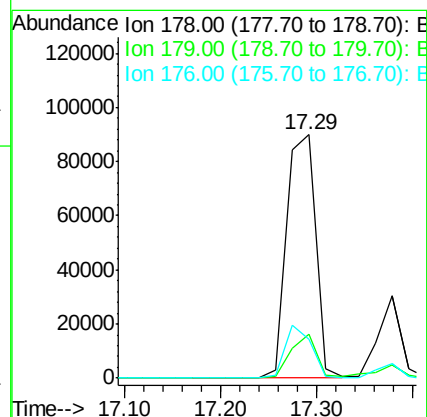
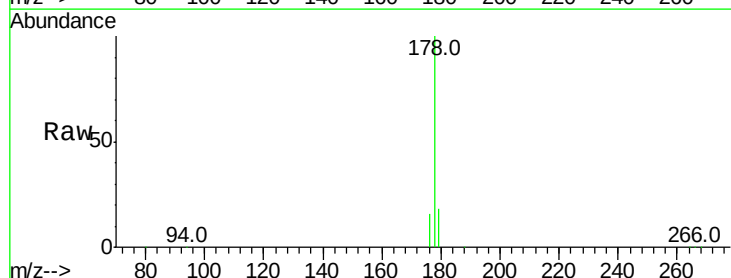
Tgt Ion:178 Resp: 187786

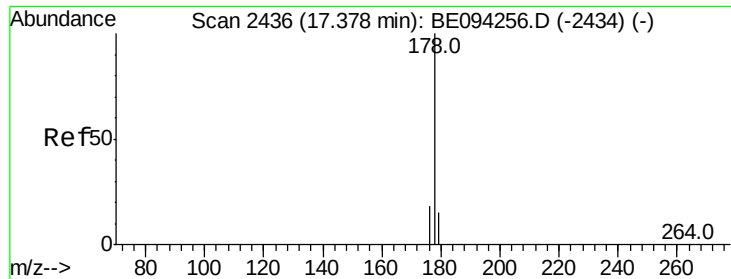
Ion Ratio Lower Upper

178 100

179 17.9 18.4 27.6#

176 15.7 13.6 20.4





#13

Anthracene

Concen: 1.618 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

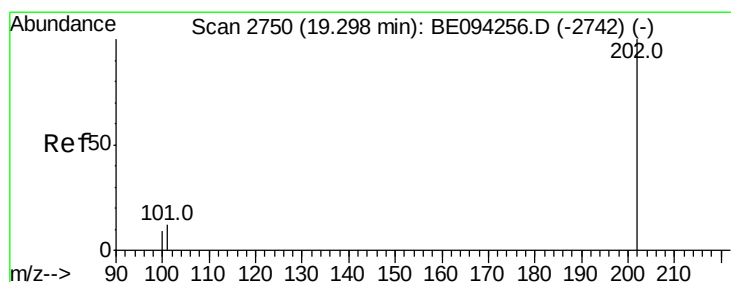
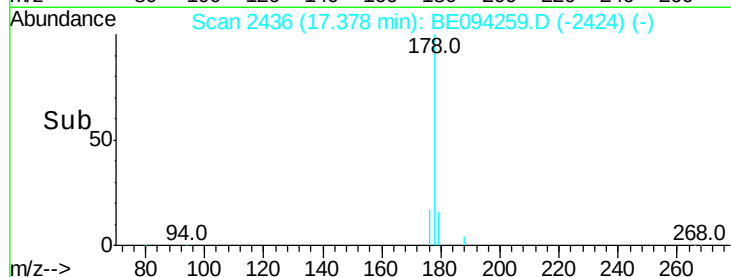
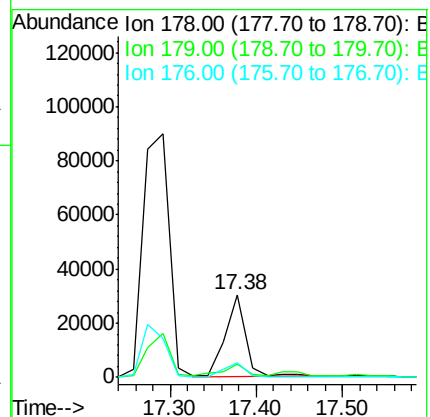
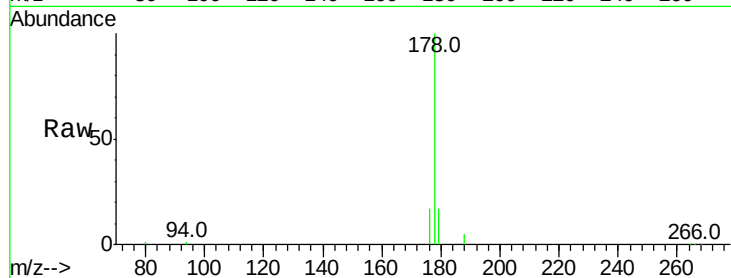
Tot Ion:178 Resp: 50740

Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

176 16.9 14.7 22.1



#15

Fluoranthene

Concen: 13.507 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

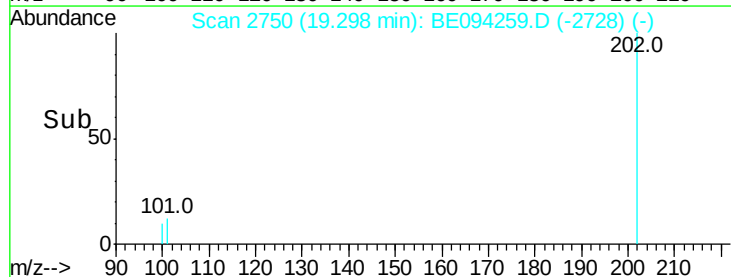
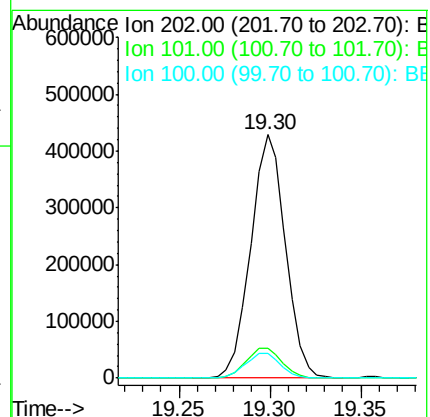
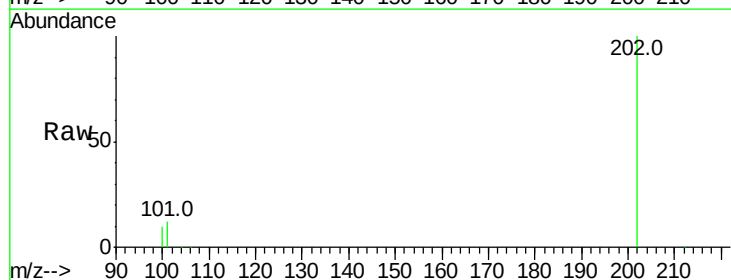
Tgt Ion:202 Resp: 572179

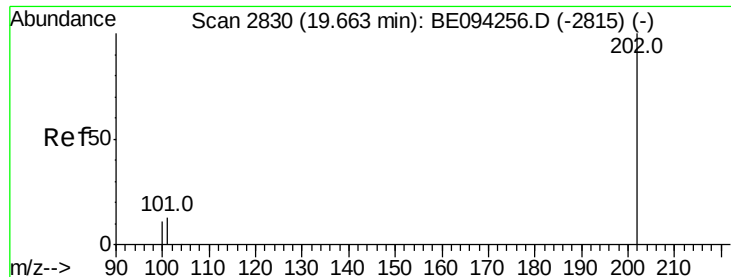
Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

100 9.9 0.0 39.5





#17

Pvrene

Concen: 15.047 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

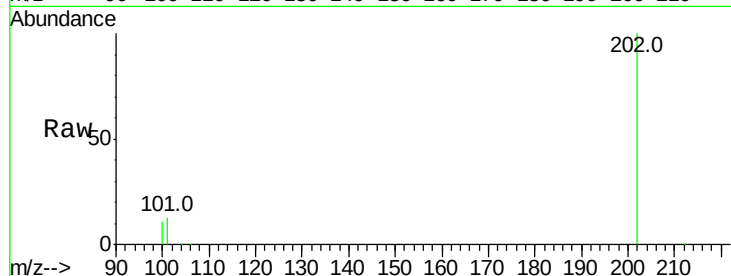
Tot Ion:202 Resp: 529969

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

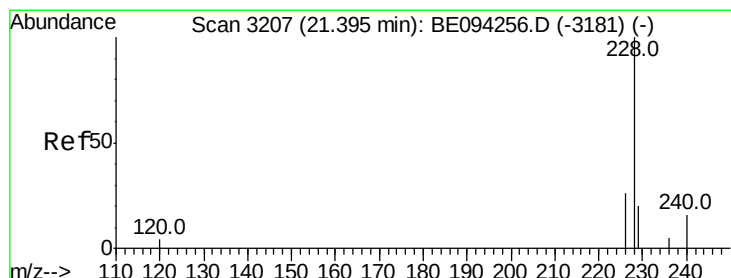
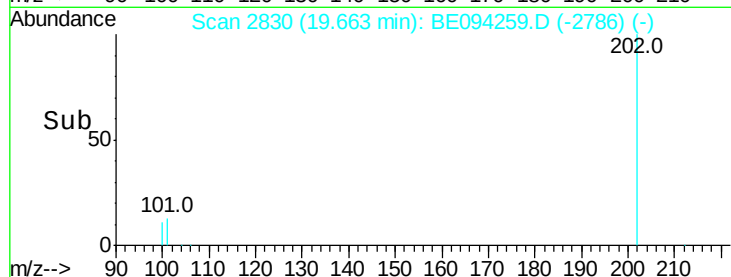
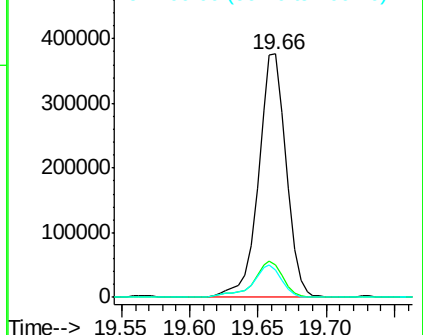
100 11.1 15.6 23.4#



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: 9.300 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

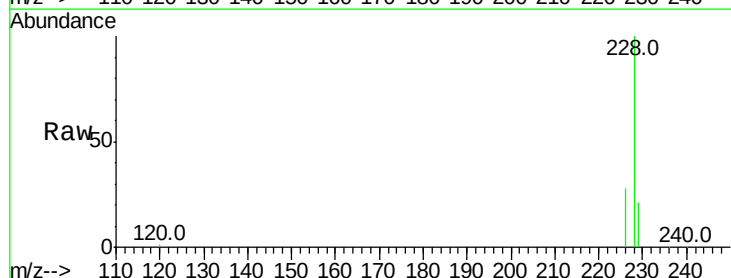
Tgt Ion:228 Resp: 312317

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

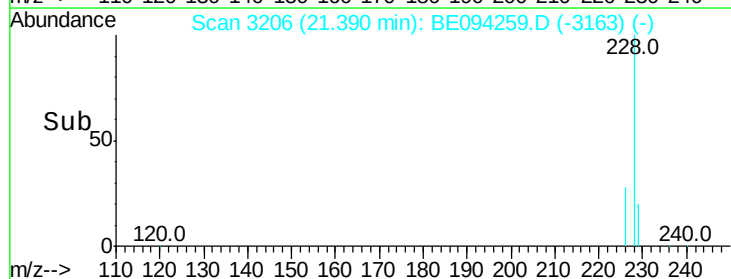
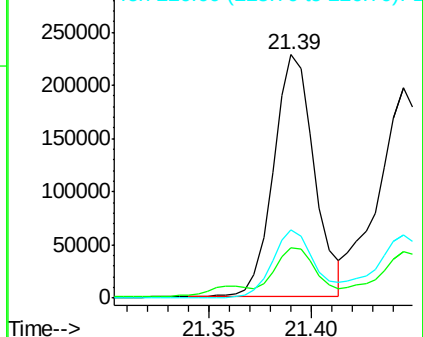
226 28.0 17.0 25.6#

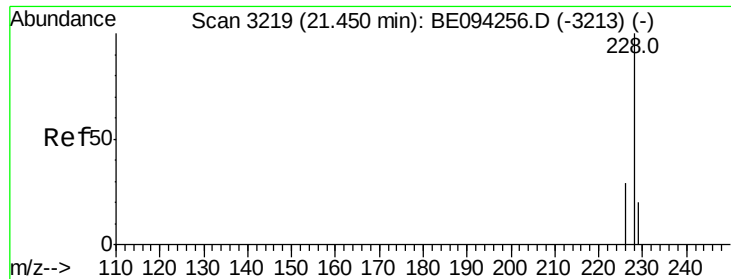


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 8.150 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

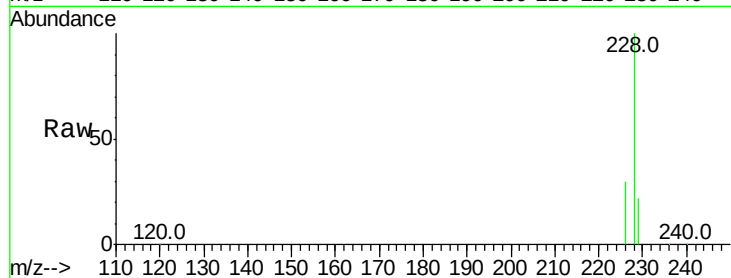
Tot Ion:228 Resp: 316074

Ion Ratio Lower Upper

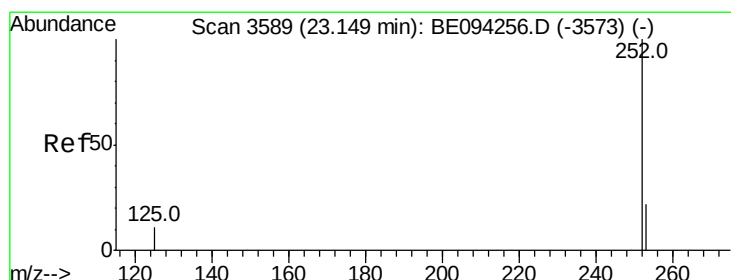
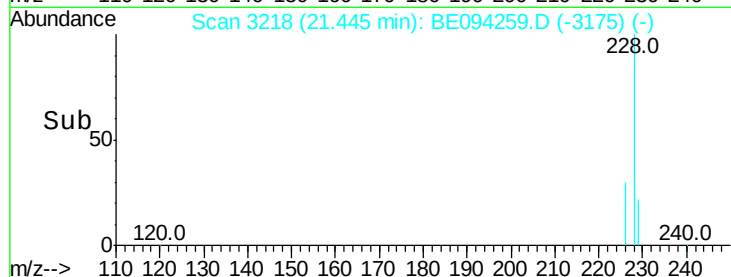
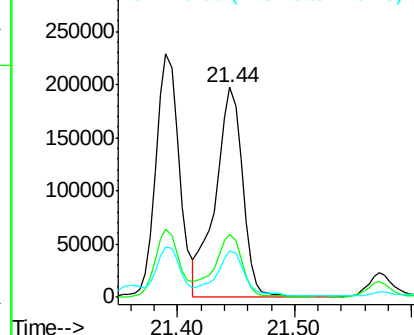
228 100

226 30.0 23.4 35.0

229 22.1 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: 17.657 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

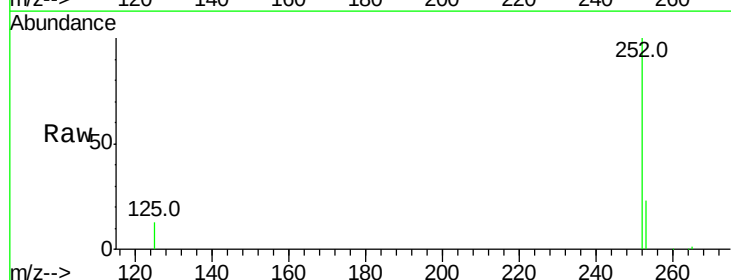
Tgt Ion:252 Resp: 563590

Ion Ratio Lower Upper

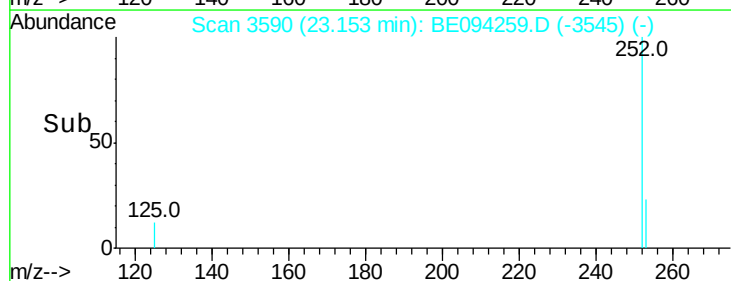
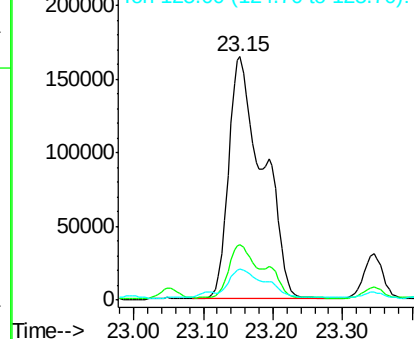
252 100

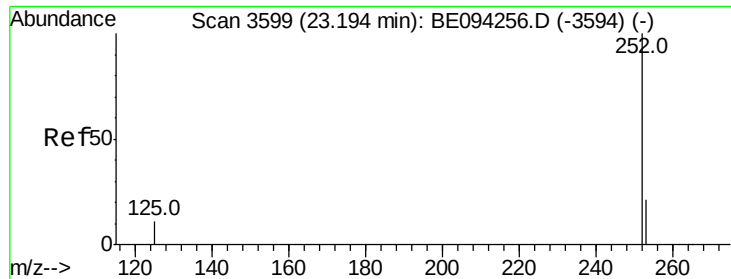
253 23.0 0.0 64.2

125 12.7 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: 15.276 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.04 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :

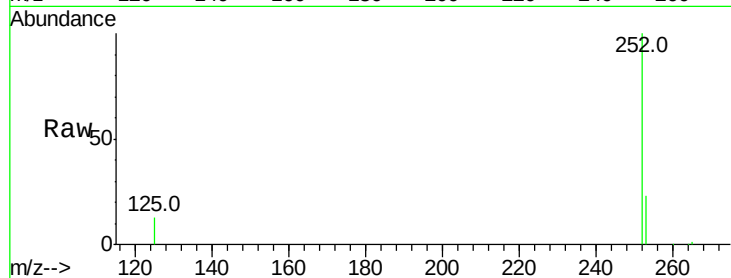
Tot Ion:252 Resp: 563590

Ion Ratio Lower Upper

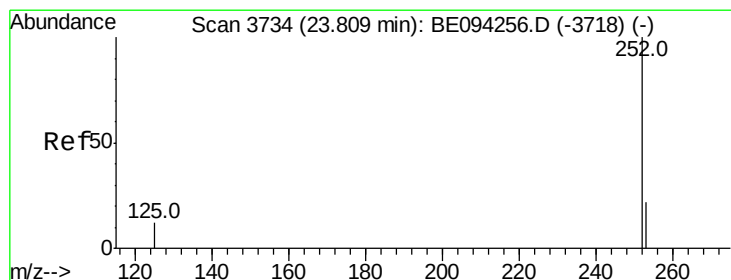
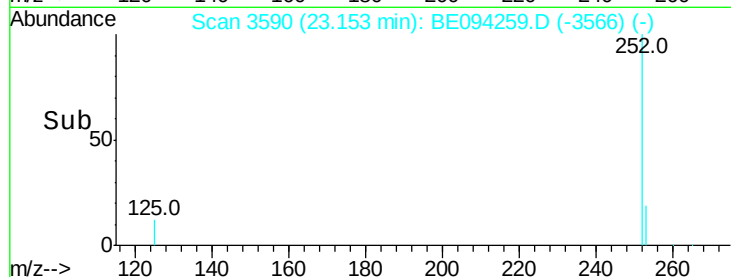
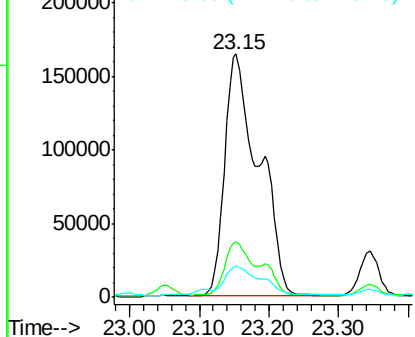
252 100

253 23.0 24.5 36.7#

125 12.7 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: 9.080 ng/ul

RT: 23.81 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

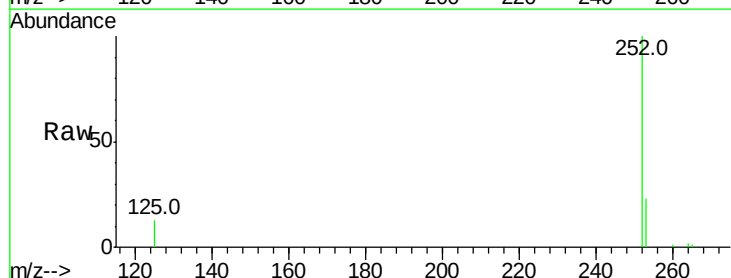
Tgt Ion:252 Resp: 301173

Ion Ratio Lower Upper

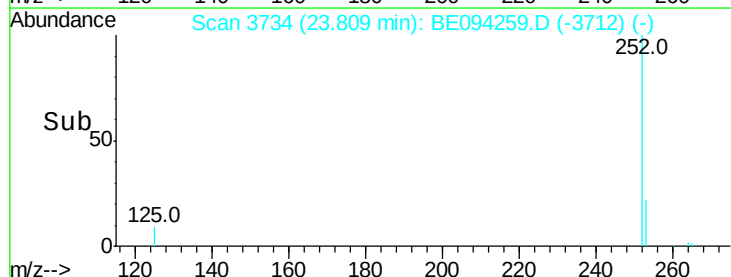
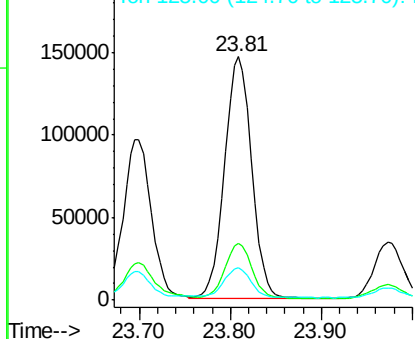
252 100

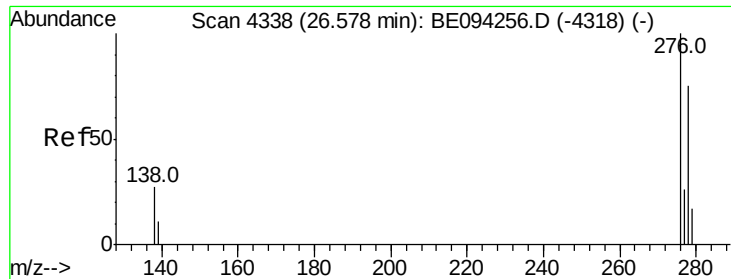
253 23.1 28.5 42.7#

125 13.3 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



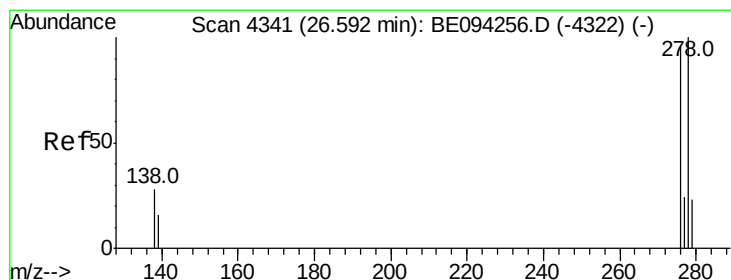
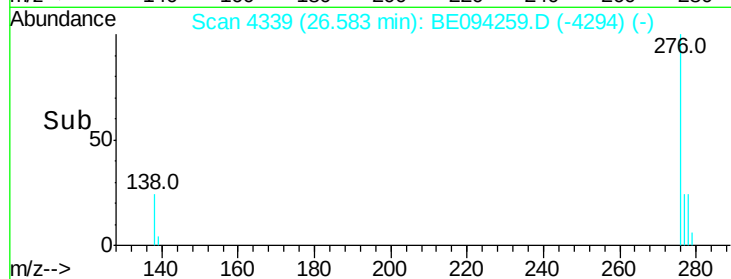
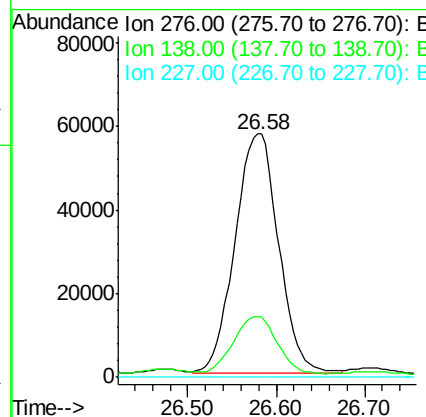
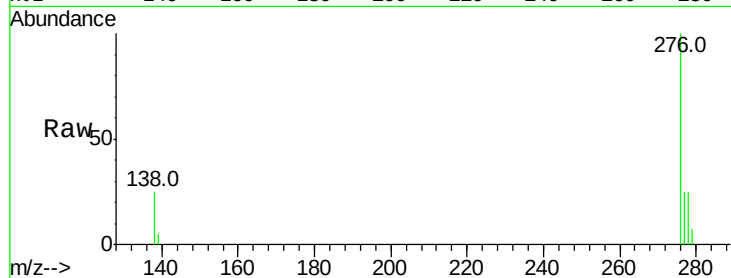


#24

Indeno(1,2,3-cd)pyrene
Concen: 5.770 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. 0.00 min
Lab File: BE094259.D
Acq: 10 Oct 2017 20:03

Instrument :
BNA_E
ClientSampleId :

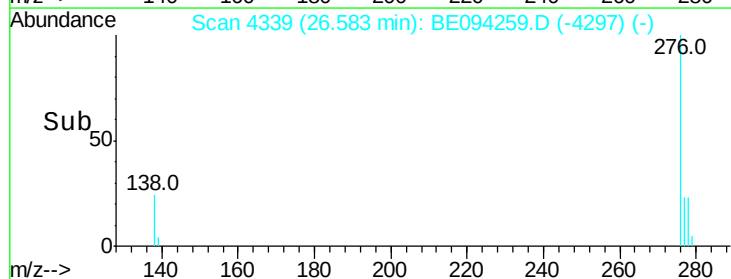
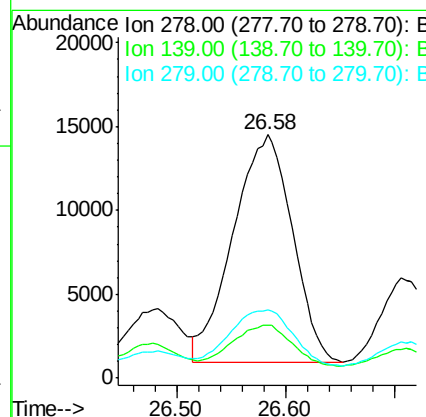
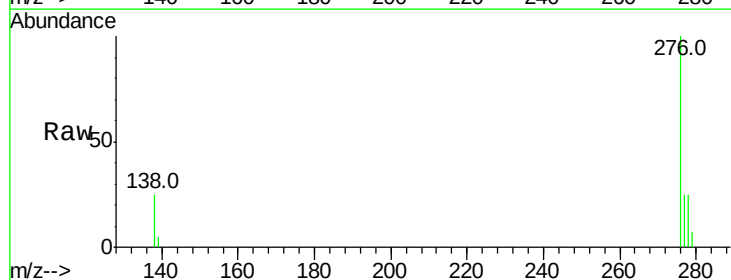
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	28.0	42.0#
227	0.0	8.0	12.0#

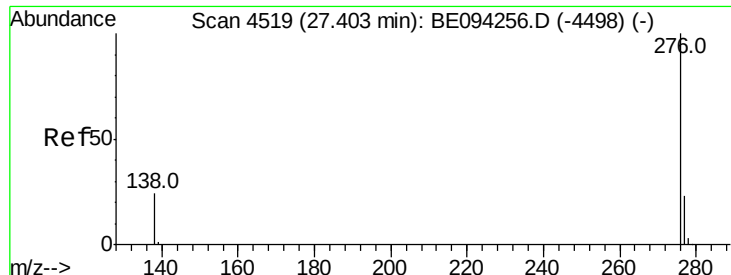


#25

Dibenzo(a,h)anthracene
Concen: 1.794 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. -0.01 min
Lab File: BE094259.D
Acq: 10 Oct 2017 20:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	17.4	26.0
279	28.1	25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 4.945 ng/ul

RT: 27.40 min Scan# 4519

Delta R.T. 0.00 min

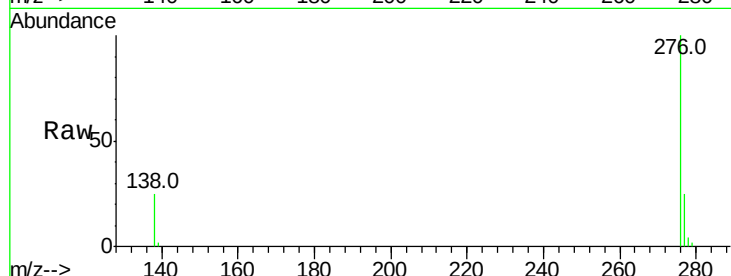
Lab File: BE094259.D

Acq: 10 Oct 2017 20:03

Instrument :

BNA_E

ClientSampleId :



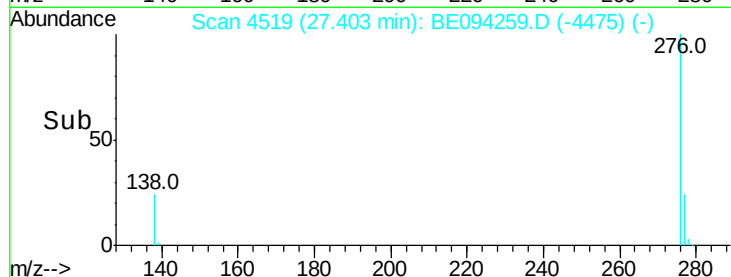
Tot Ion:276 Resp: 144725

Ion Ratio Lower Upper

276 100

138 25.5 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

