

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094269.D
 Acq On : 11 Oct 2017 2:13
 Operator : SJ/JU
 Sample : I5533-07DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:35:01 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

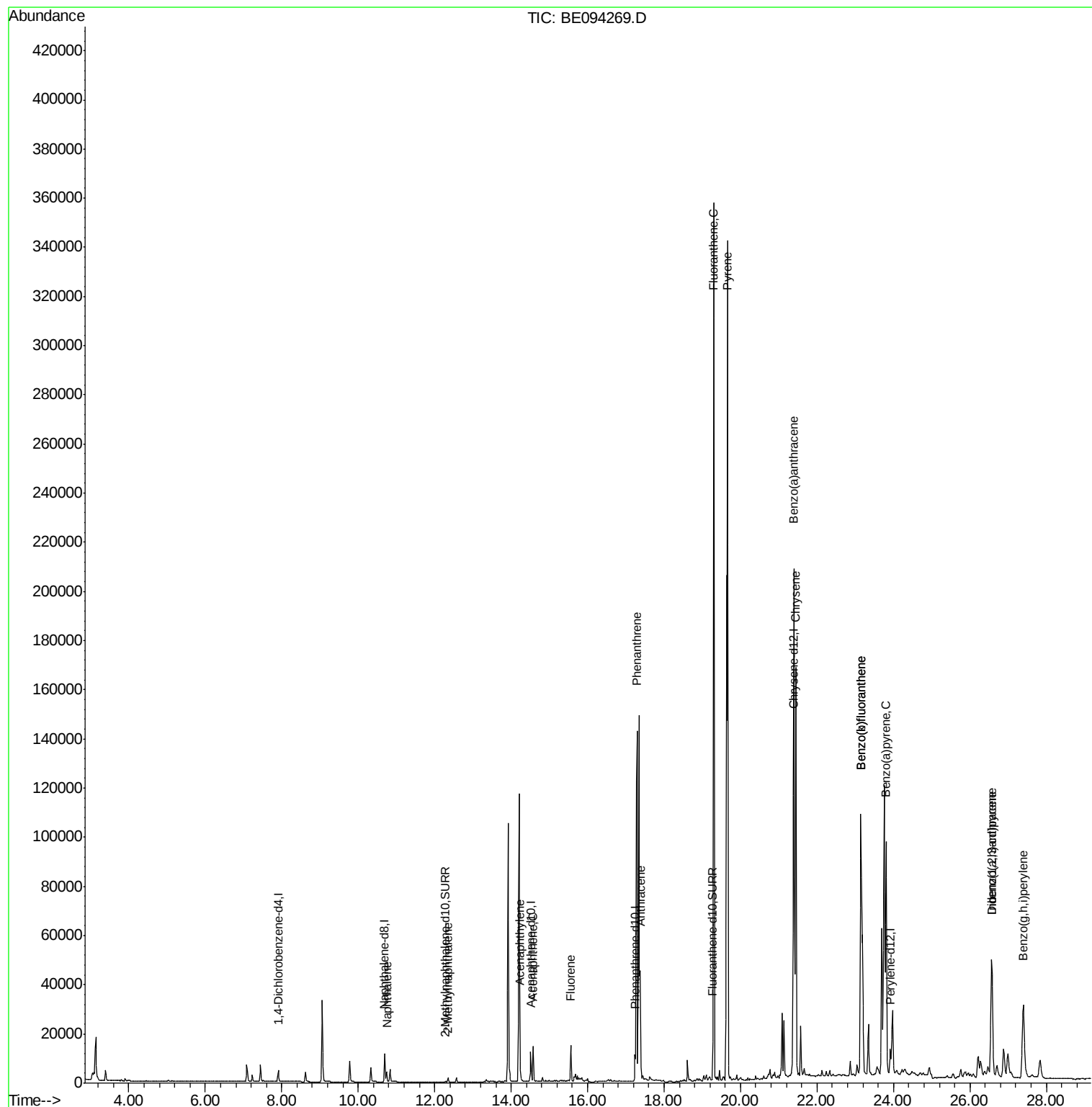
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2474	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12394	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6911	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	14850	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15476	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	15384	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	979	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2298	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	6168	0.203	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	1872	0.095	ng/ul	99
7) Acenaphthylene	14.24	152	5116	0.190	ng/ul	100
8) Acenaphthene	14.57	153	8667	0.391	ng/ul	98
9) Fluorene	15.56	166	9330	0.359	ng/ul	93
12) Phenanthrene	17.29	178	212610	5.479	ng/ul#	92
13) Anthracene	17.38	178	52405	1.389	ng/ul#	91
15) Fluoranthene	19.30	202	385858	7.567	ng/ul	84
17) Pyrene	19.66	202	359744	8.355	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	188259	4.585	ng/ul#	86
19) Chrysene	21.44	228	171276	3.612	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	265519	6.354	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	265519	5.497	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	148700	3.424	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.57	276	88830	2.000	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	22468	0.603	ng/ul	95
26) Benzo(a,h,i)perylene	27.39	276	76382	1.993	ng/ul	98

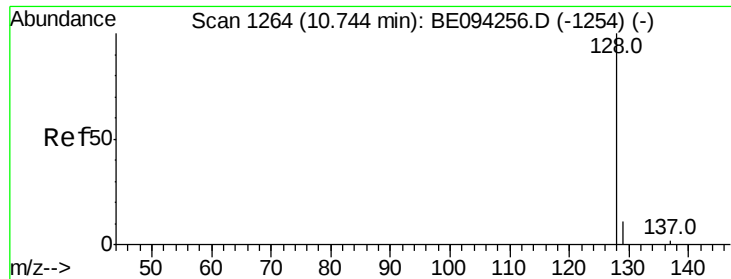
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.203 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

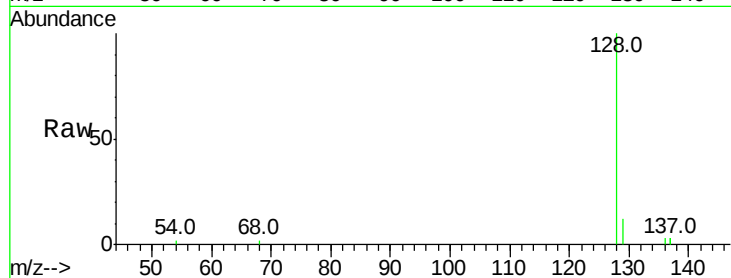
Tot Ion:128 Resp: 6168

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

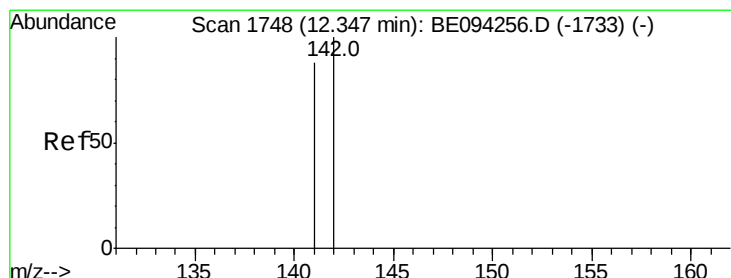
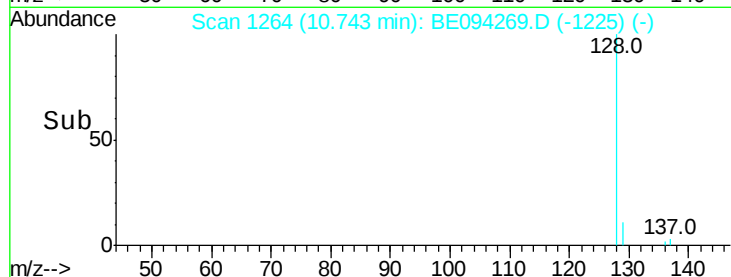
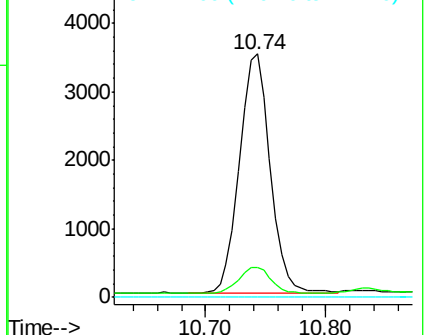
127 0.0 4.0 6.0#



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: 0.095 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BE094269.D

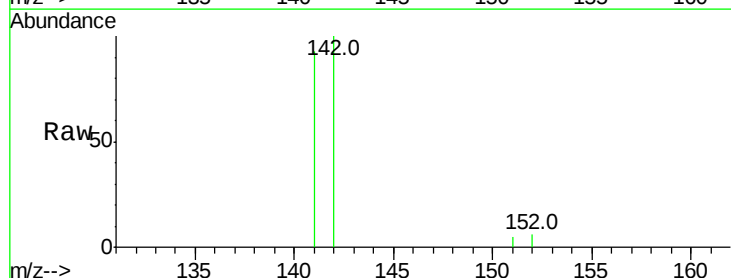
Acq: 11 Oct 2017 2:13

Tgt Ion:142 Resp: 1872

Ion Ratio Lower Upper

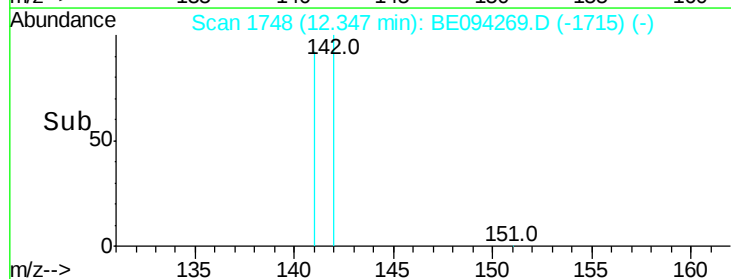
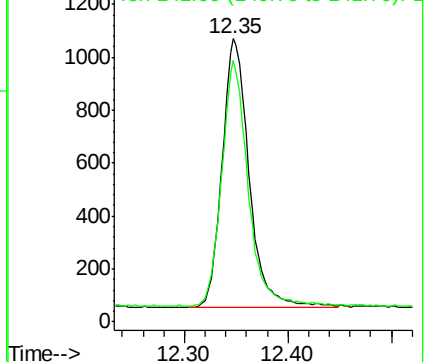
142 100

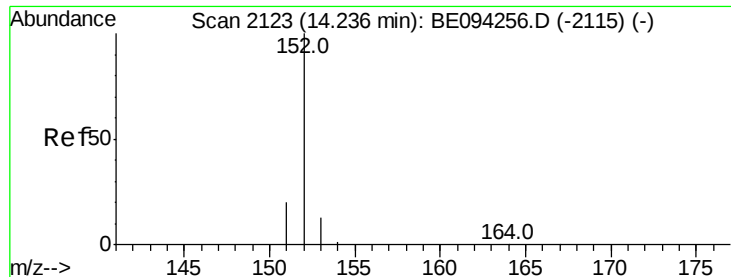
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.190 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

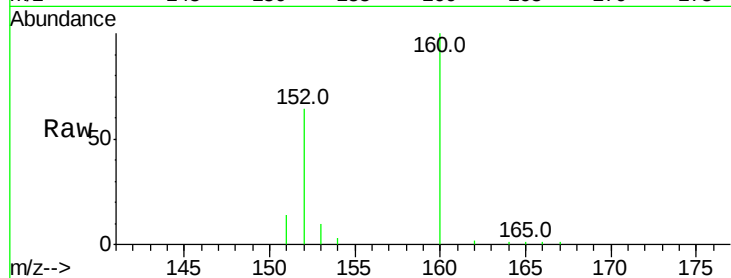
Tot Ion:152 Resp: 5116

Ion Ratio Lower Upper

152 100

151 21.6 17.1 25.7

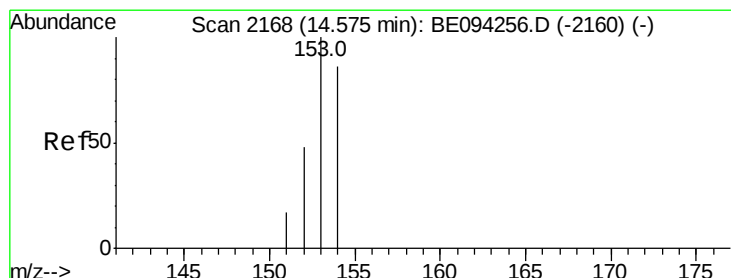
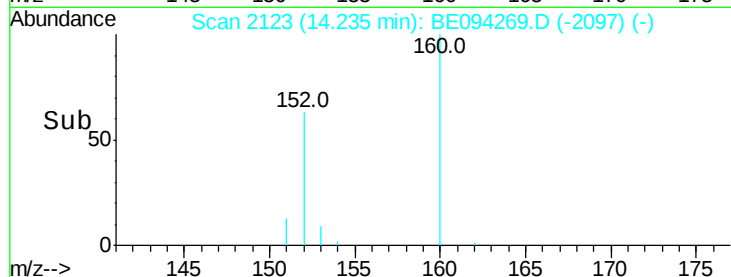
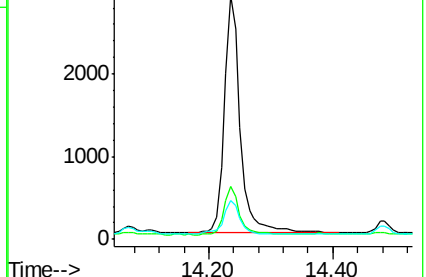
153 15.9 12.8 19.2



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: 0.391 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

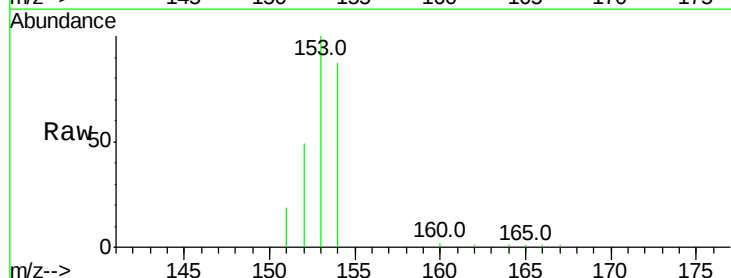
Tgt Ion:153 Resp: 8667

Ion Ratio Lower Upper

153 100

152 49.4 40.3 60.5

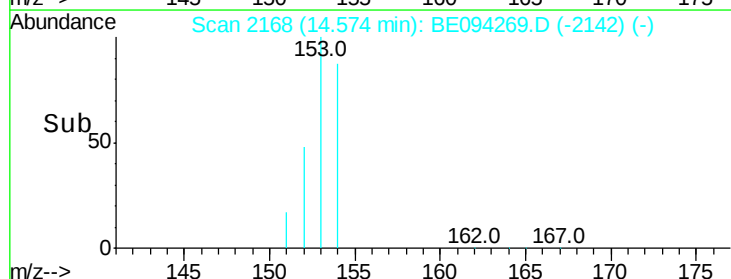
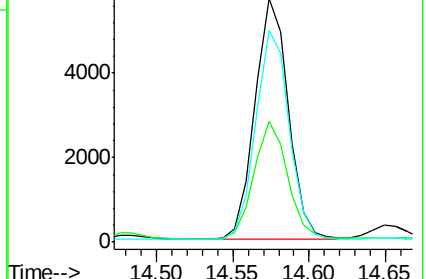
154 86.9 71.4 107.2

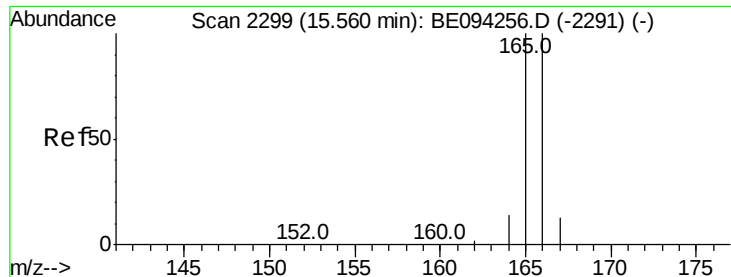


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.359 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

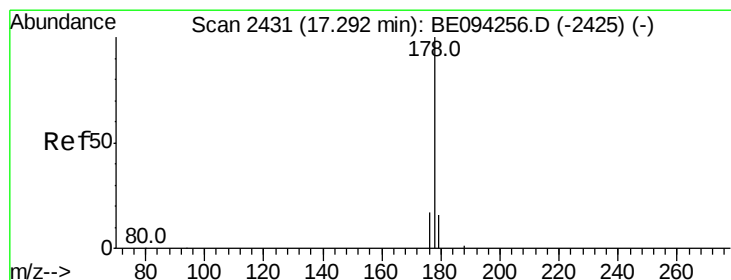
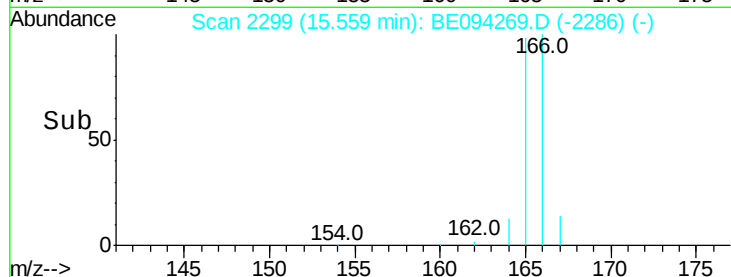
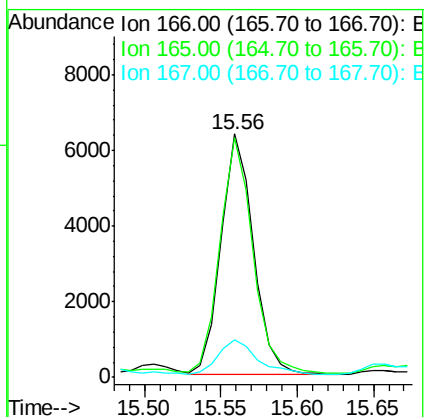
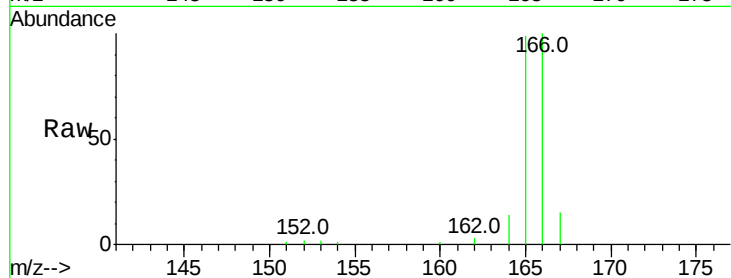
Tot Ion:166 Resp: 9330

Ion Ratio Lower Upper

166 100

165 98.6 73.4 110.2

167 15.5 14.6 22.0



#12

Phenanthrene

Concen: 5.479 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

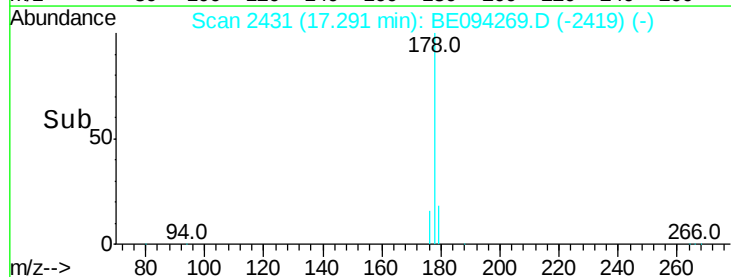
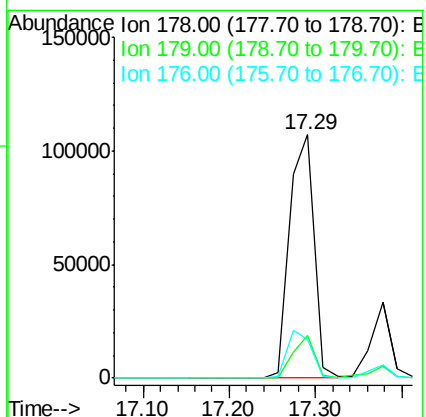
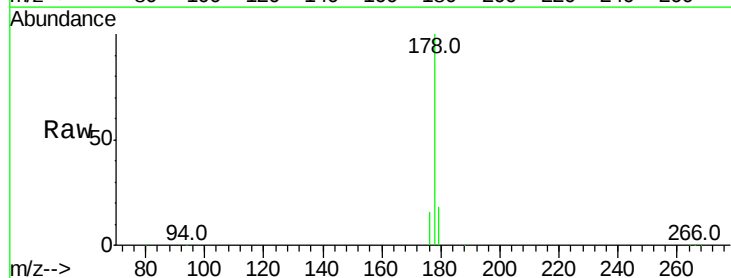
Tgt Ion:178 Resp: 212610

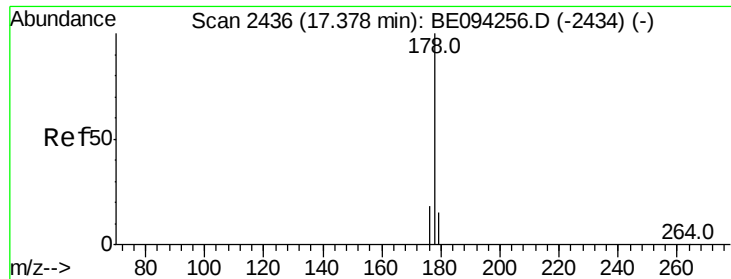
Ion Ratio Lower Upper

178 100

179 17.7 18.4 27.6#

176 15.7 13.6 20.4





#13

Anthracene

Concen: 1.389 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

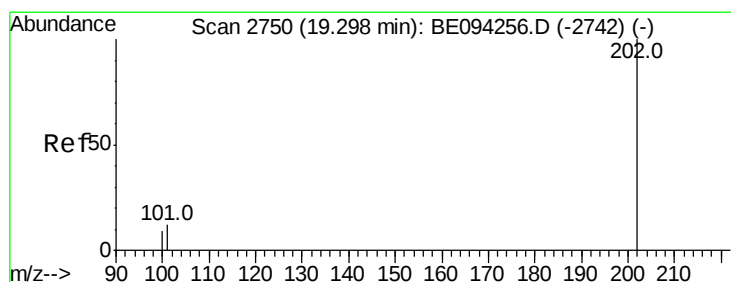
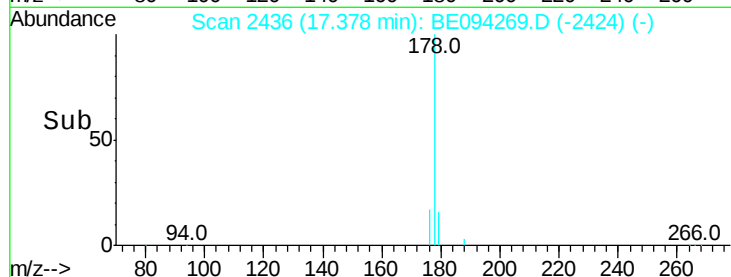
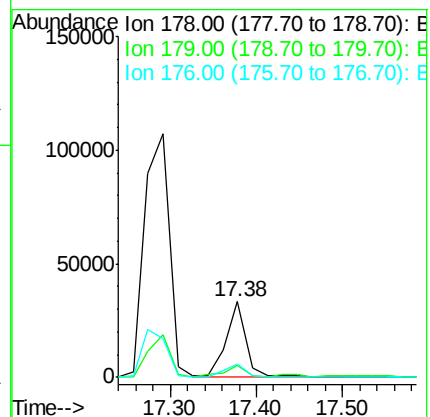
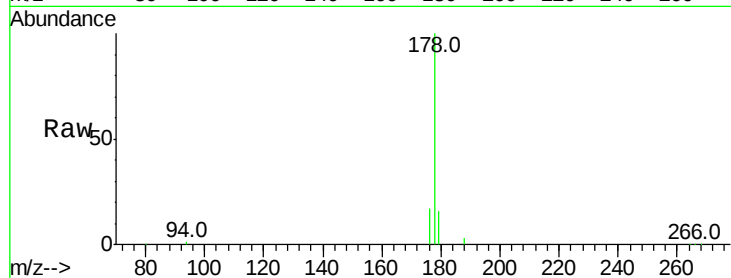
Tot Ion:178 Resp: 52405

Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 16.8 14.7 22.1



#15

Fluoranthene

Concen: 7.567 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

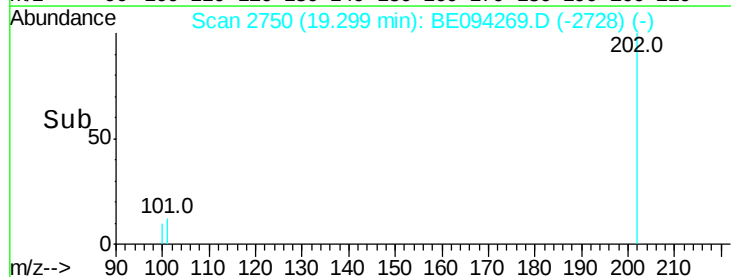
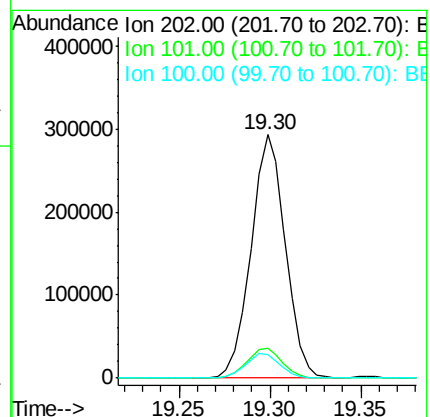
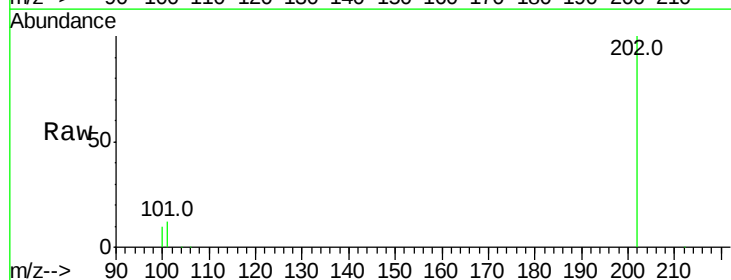
Tgt Ion:202 Resp: 385858

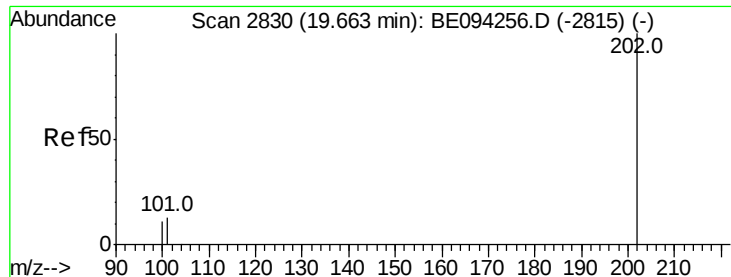
Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

100 9.7 0.0 39.5





#17

Pvrene

Concen: 8.355 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

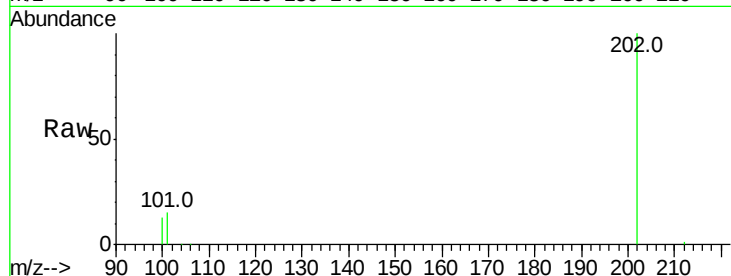
Tot Ion:202 Resp: 359744

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

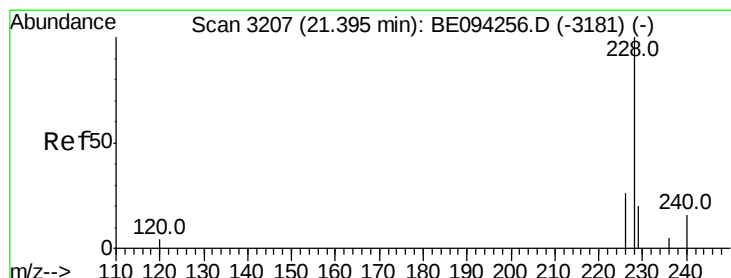
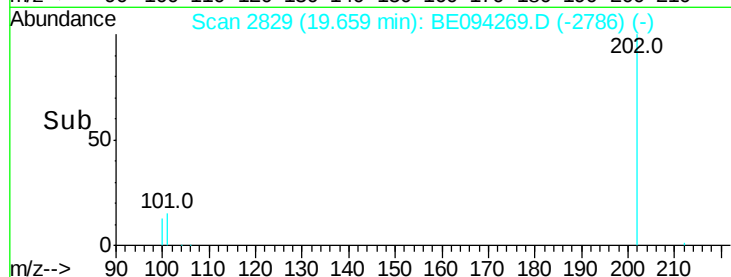
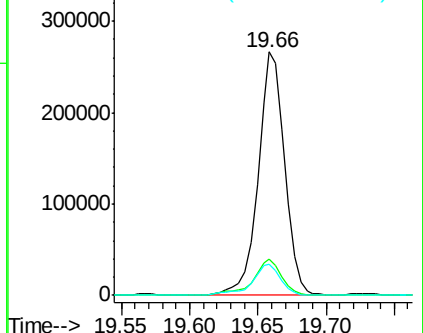
100 12.8 15.6 23.4#



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: 4.585 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

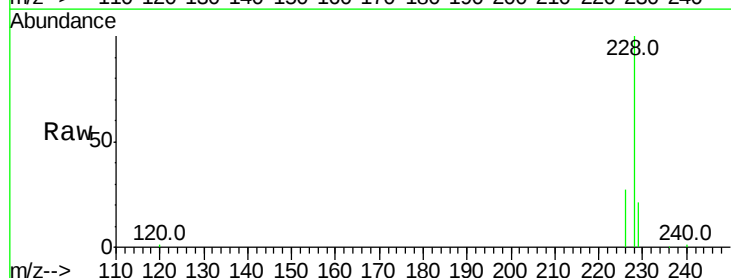
Tgt Ion:228 Resp: 188259

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

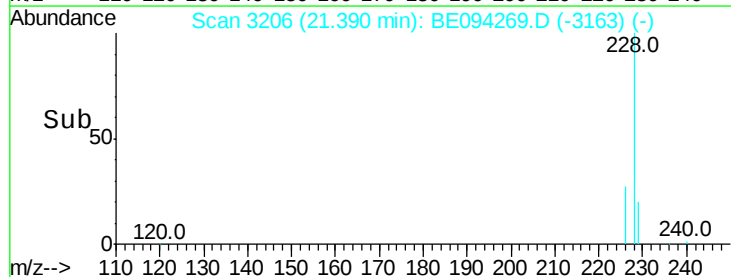
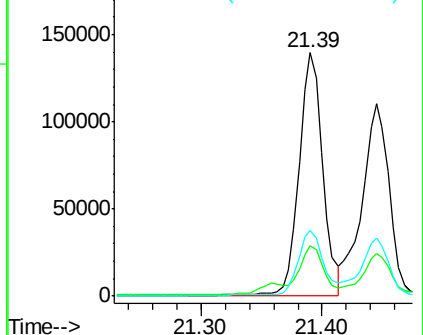
226 27.2 17.0 25.6#

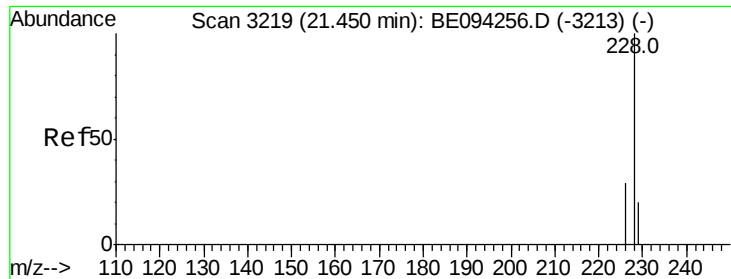


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.612 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :

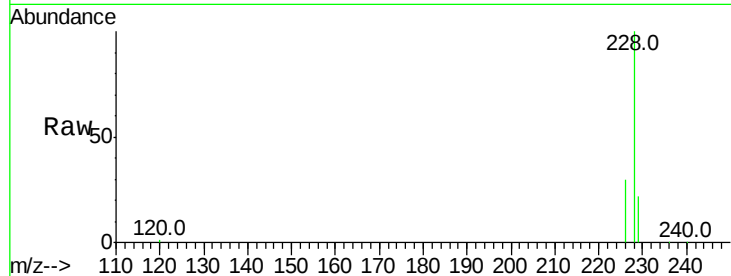
Tot Ion:228 Resp: 171276

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

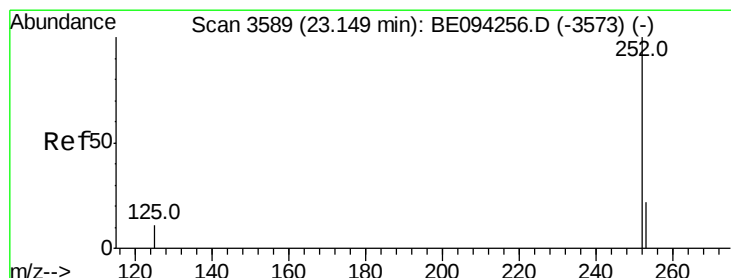
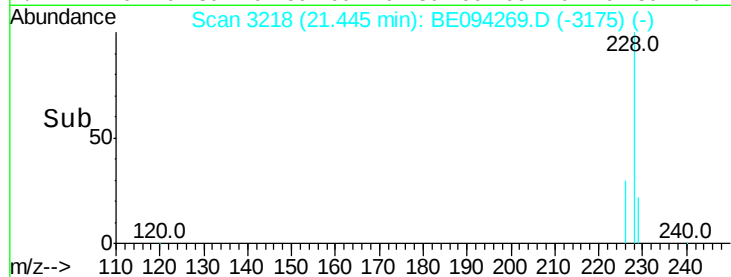
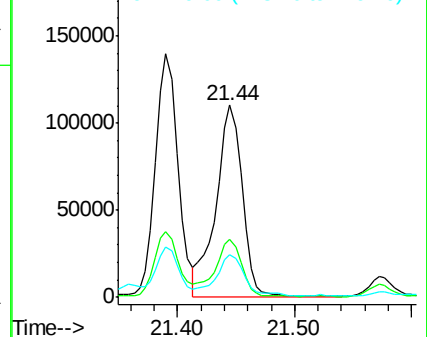
229 22.2 17.7 26.5



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: 6.354 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

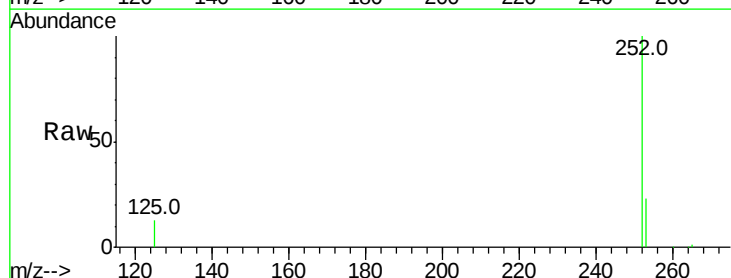
Tgt Ion:252 Resp: 265519

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

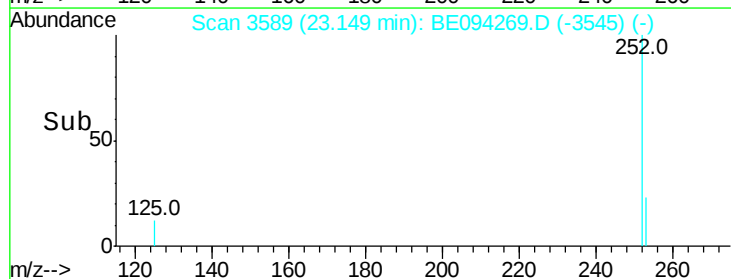
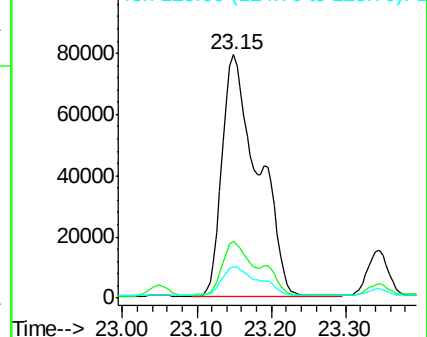
125 12.6 0.0 35.0

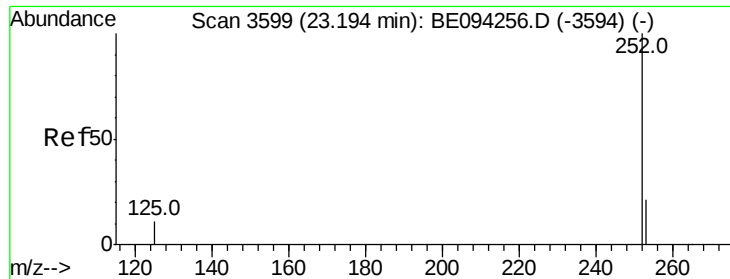


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.497 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampled :

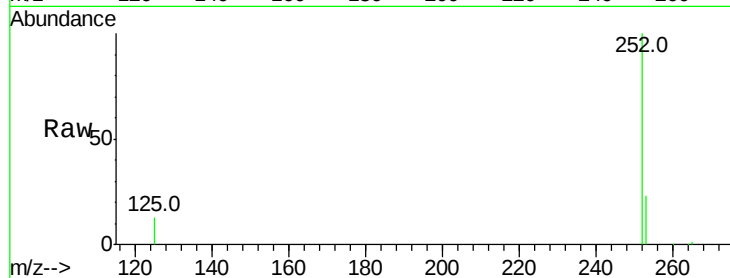
Tot Ion:252 Resp: 265519

Ion Ratio Lower Upper

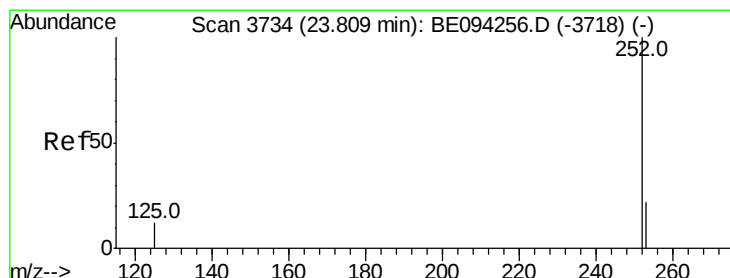
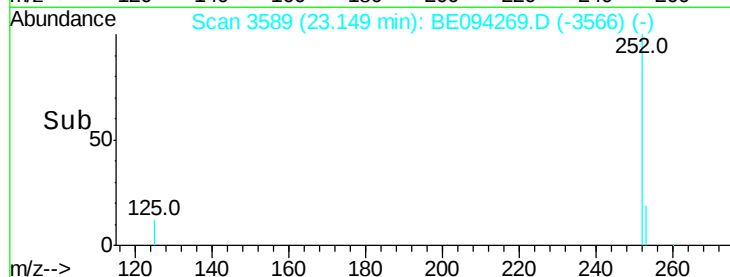
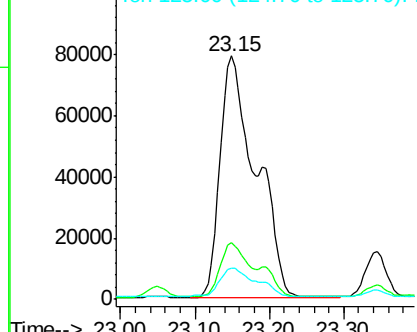
252 100

253 23.3 24.5 36.7#

125 12.6 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: 3.424 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

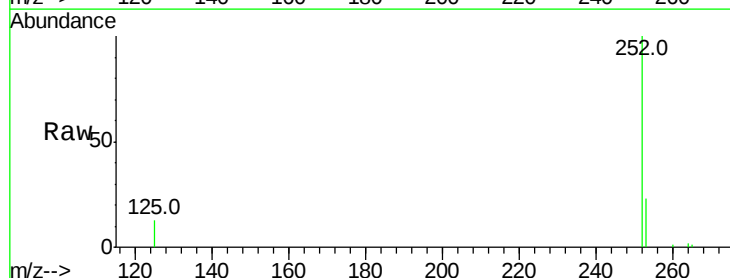
Tgt Ion:252 Resp: 148700

Ion Ratio Lower Upper

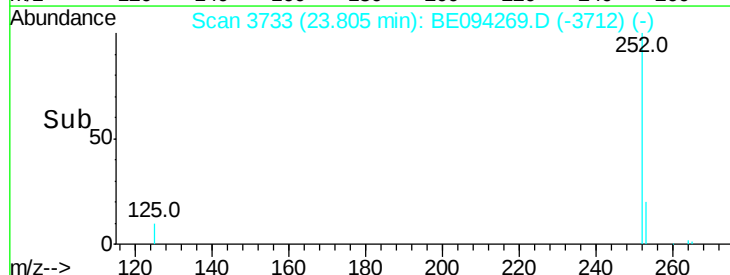
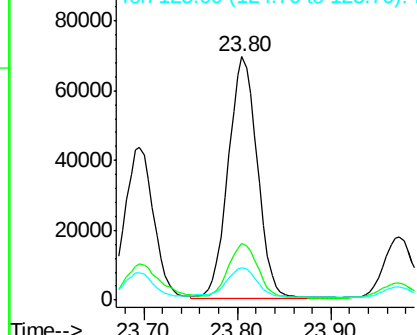
252 100

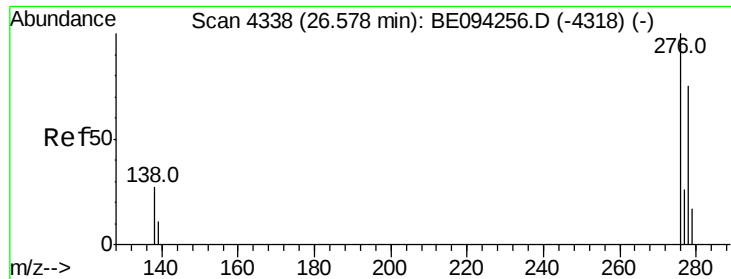
253 23.4 28.5 42.7#

125 13.4 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

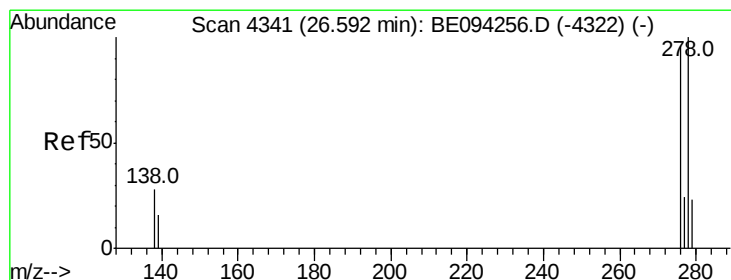
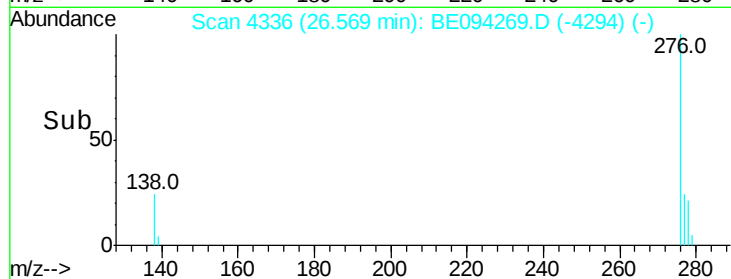
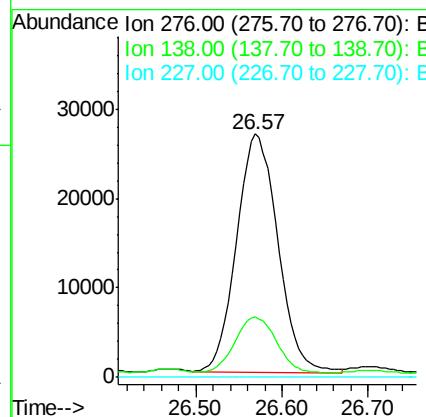
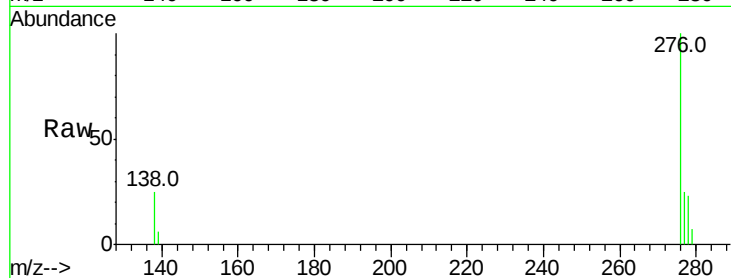




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.000 ng/ul
 RT: 26.57 min Scan# 4336
 Delta R.T. -0.01 min
 Lab File: BE094269.D
 Acq: 11 Oct 2017 2:13

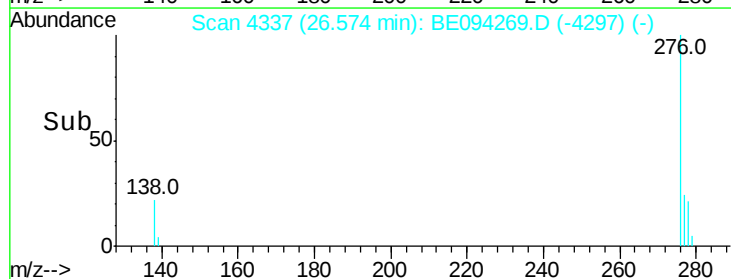
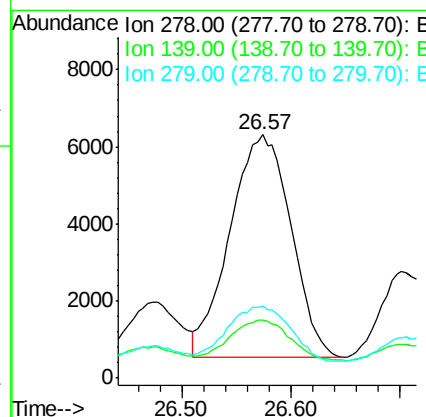
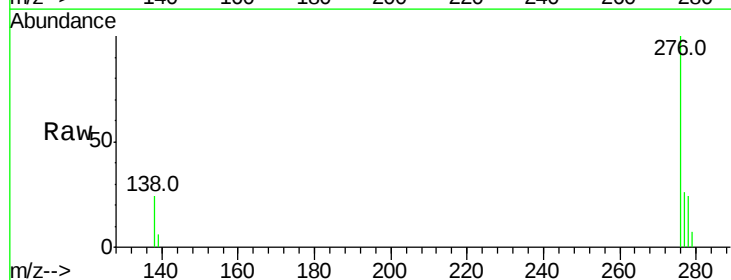
Instrument :
 BNA_E
 ClientSampleId :

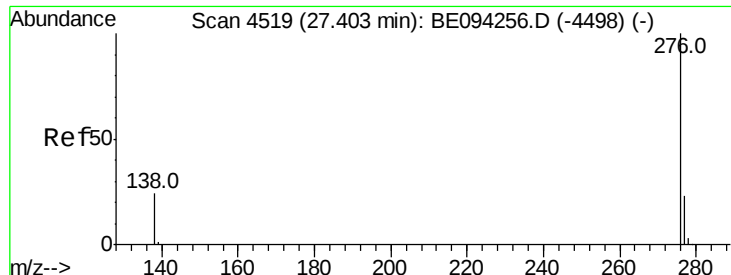
Tot Ion:276 Resp: 88830
 Ion Ratio Lower Upper
 276 100
 138 23.5 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.603 ng/ul
 RT: 26.57 min Scan# 4337
 Delta R.T. -0.02 min
 Lab File: BE094269.D
 Acq: 11 Oct 2017 2:13

Tgt Ion:278 Resp: 22468
 Ion Ratio Lower Upper
 278 100
 139 23.6 17.4 26.0
 279 29.6 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.993 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.01 min

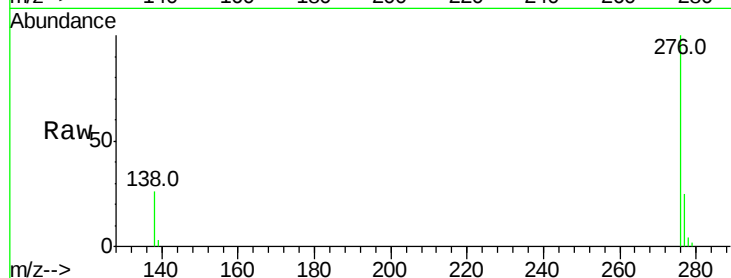
Lab File: BE094269.D

Acq: 11 Oct 2017 2:13

Instrument :

BNA_E

ClientSampleId :



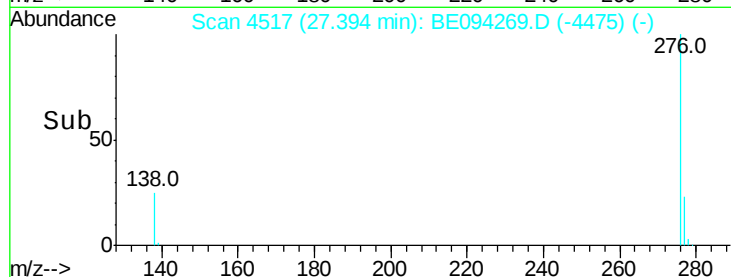
Tot Ion: 276 Resp: 76382

Ion Ratio Lower Upper

276 100

138 25.9 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

