

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094208.D
 Acq On : 7 Oct 2017 18:32
 Operator : SJ/JU
 Sample : I5449-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:53:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

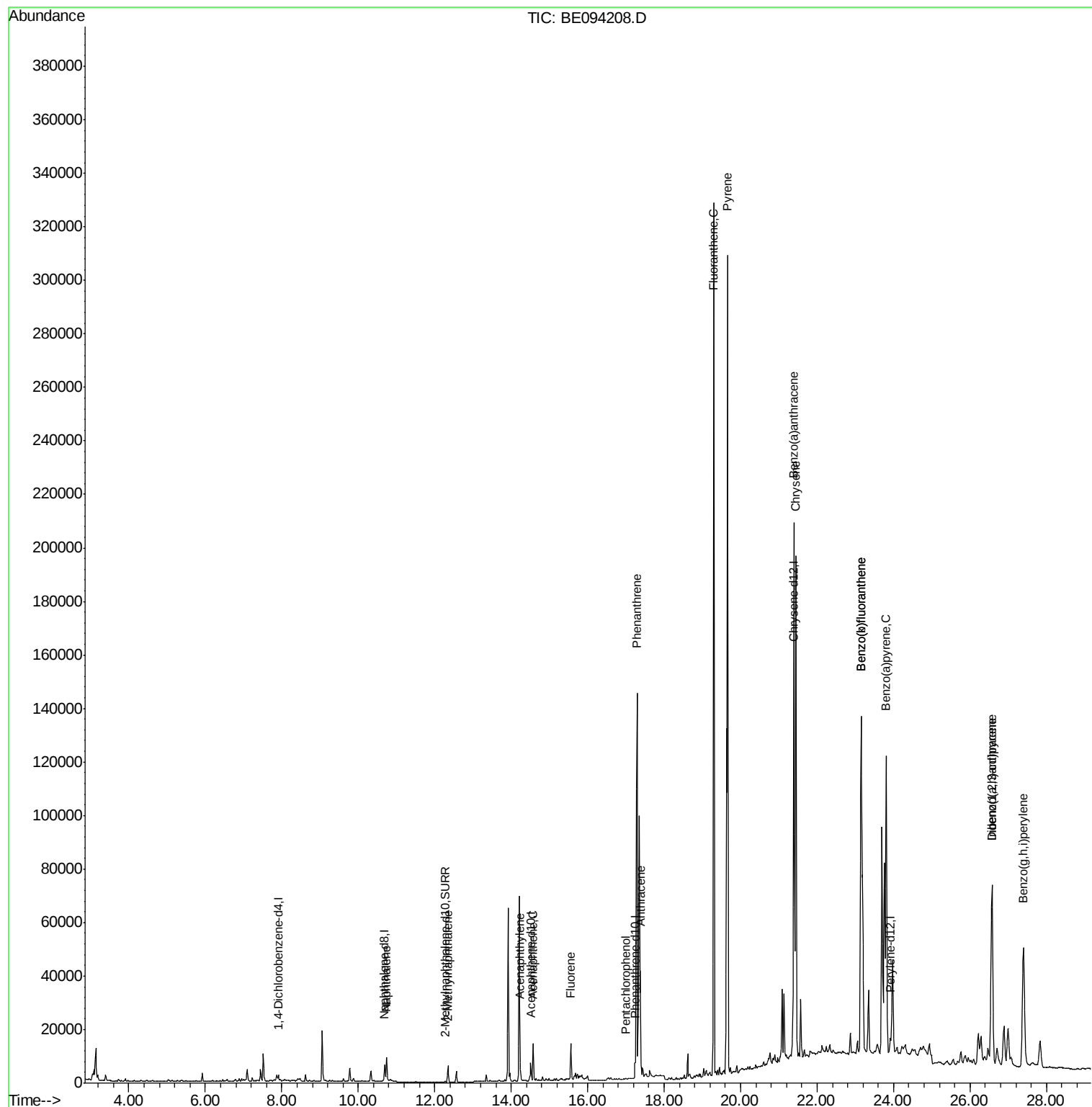
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1261	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6834	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3854	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8345	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	8523	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	8224	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	578	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.22	212	147	0.01	ng/ul	-0.06
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	14008	0.837	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	5382	0.496	ng/ul	98
7) Acenaphthylene	14.24	152	5735	0.382	ng/ul	98
8) Acenaphthene	14.57	153	8305	0.671	ng/ul	97
9) Fluorene	15.56	166	8584	0.593	ng/ul	93
11) Pentachlorophenol	17.00	266	28	0.029	ng/ul	93
12) Phenanthrene	17.29	178	203337	9.324	ng/ul#	93
13) Anthracene	17.38	178	47853	2.256	ng/ul#	92
15) Fluoranthene	19.30	202	358585	12.514	ng/ul	84
17) Pyrene	19.66	202	339558	14.319	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	191498	8.469	ng/ul#	86
19) Chrysene	21.45	228	190742	7.305	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	320926	14.365	ng/ul	89
22) Benzo(k)fluoranthene	23.15	252	320821	12.424	ng/ul#	90
23) Benzo(a)pyrene	23.81	252	177573	7.649	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.58	276	125255	5.274	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.58	278	32067	1.610	ng/ul#	89
26) Benzo(g,h,i)perylene	27.39	276	113655	5.549	ng/ul	98

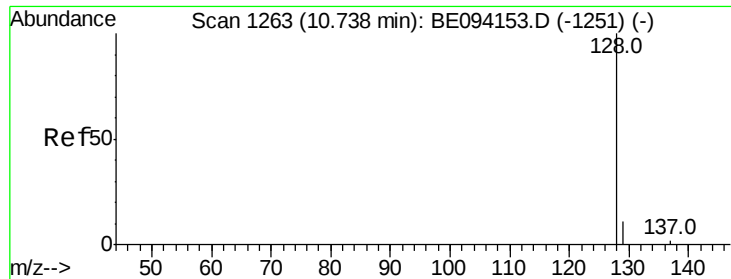
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.837 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

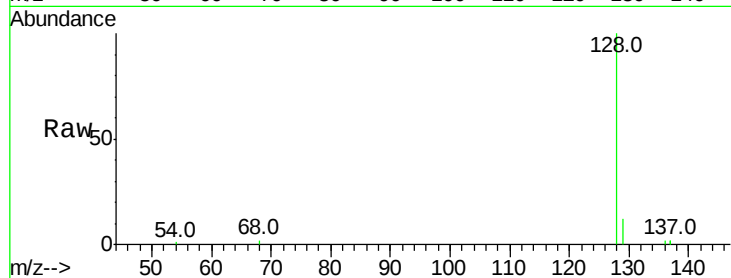
Tot Ion:128 Resp: 14008

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

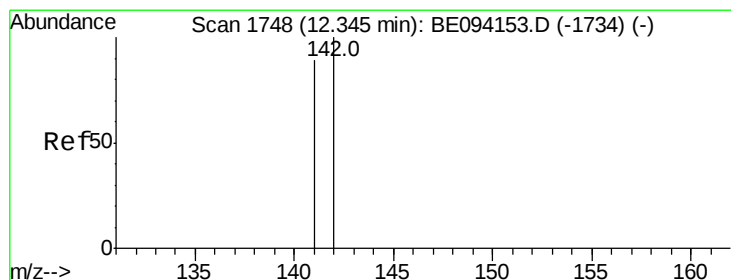
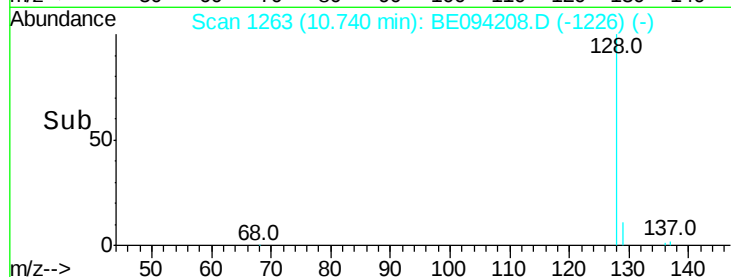
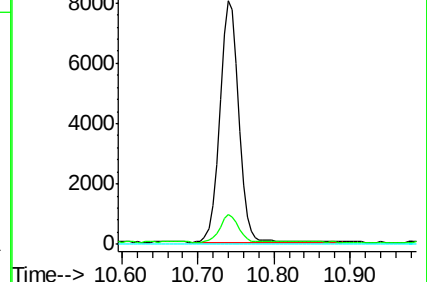
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.496 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094208.D

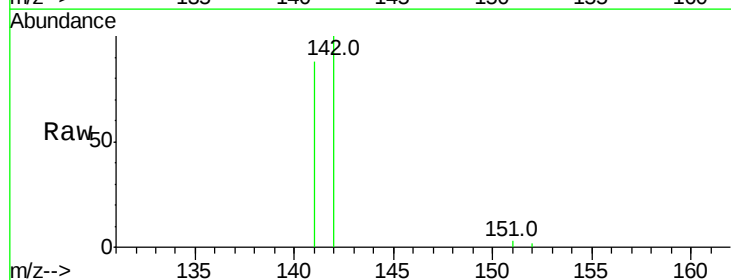
Acq: 7 Oct 2017 18:32

Tgt Ion:142 Resp: 5382

Ion Ratio Lower Upper

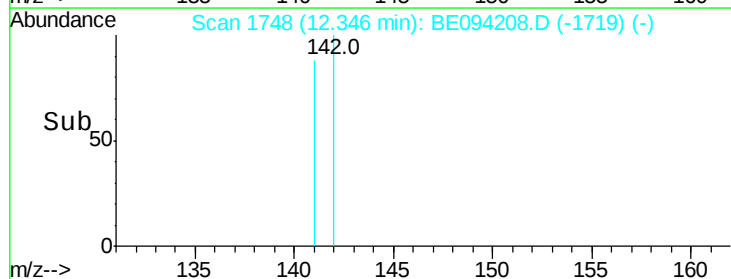
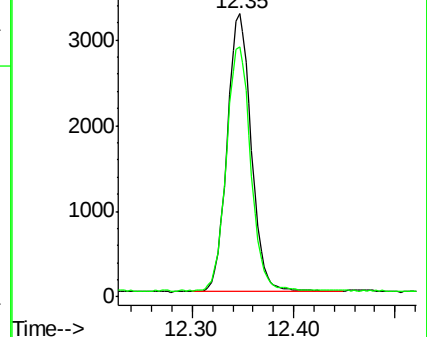
142 100

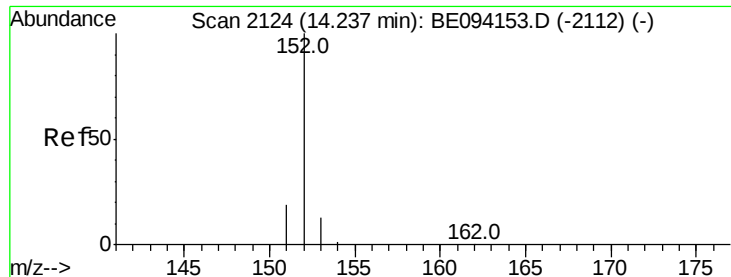
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.382 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

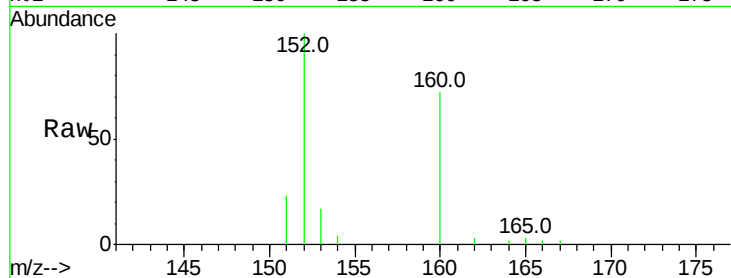
Tot Ion:152 Resp: 5735

Ion Ratio Lower Upper

152 100

151 22.6 17.1 25.7

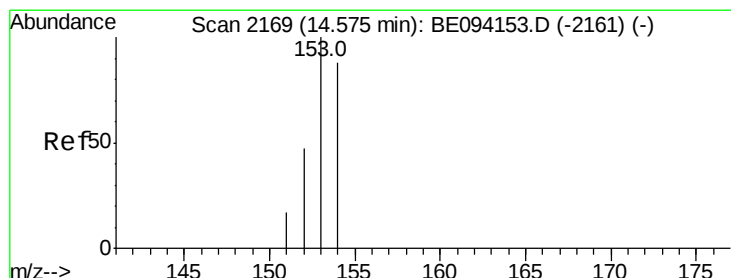
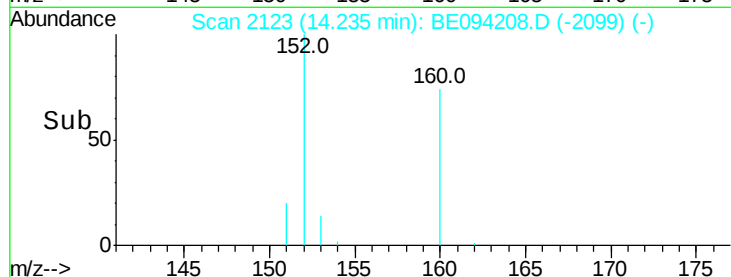
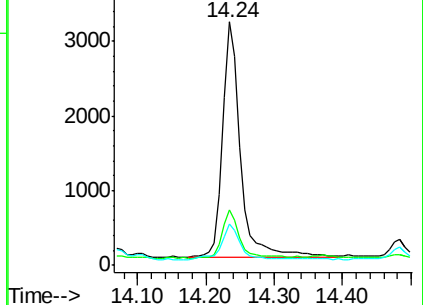
153 16.9 12.8 19.2



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: 0.671 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

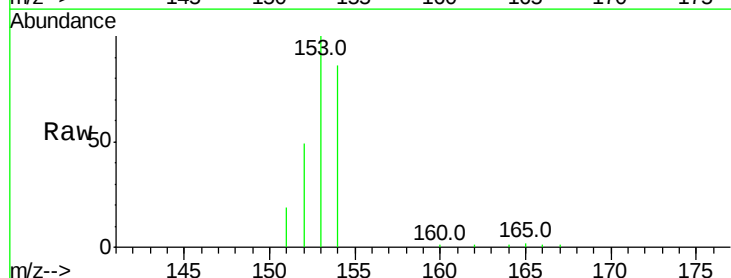
Tgt Ion:153 Resp: 8305

Ion Ratio Lower Upper

153 100

152 49.1 40.3 60.5

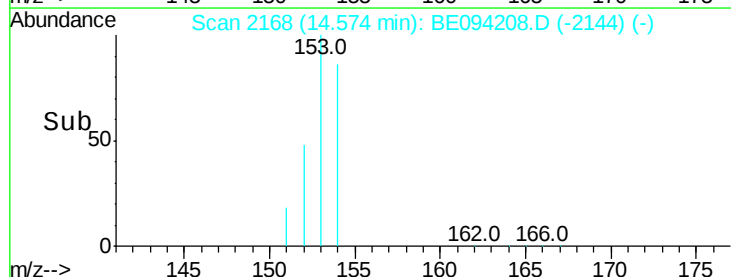
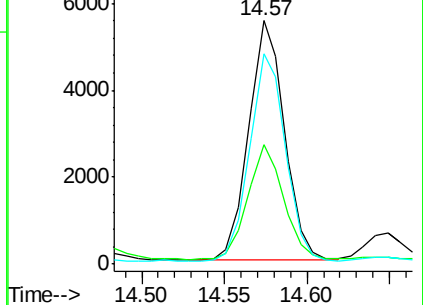
154 86.4 71.4 107.2

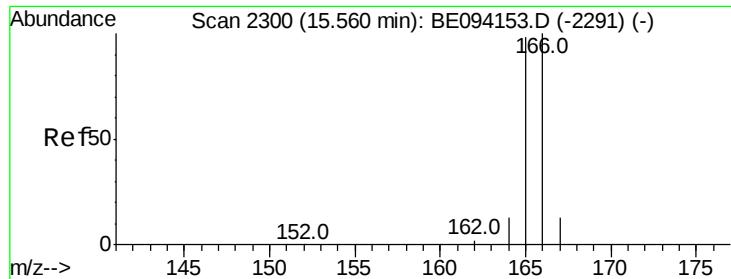


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.593 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

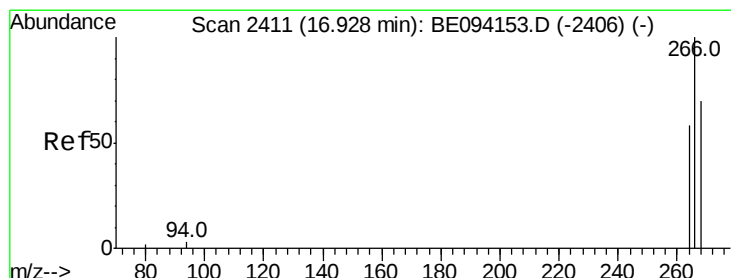
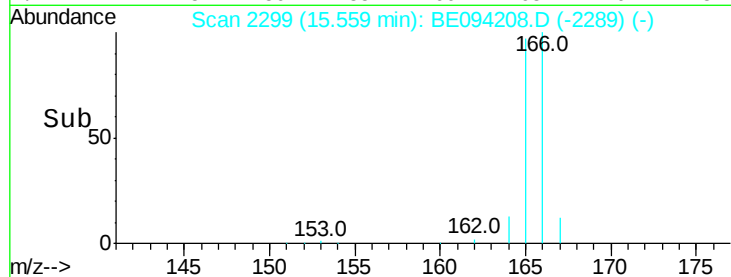
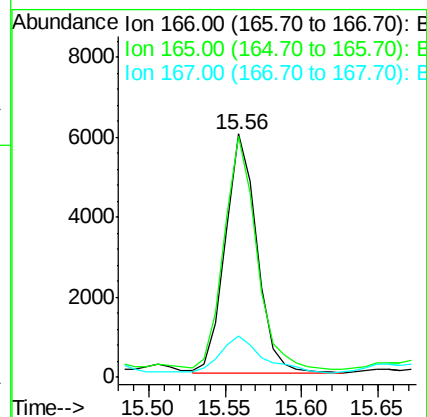
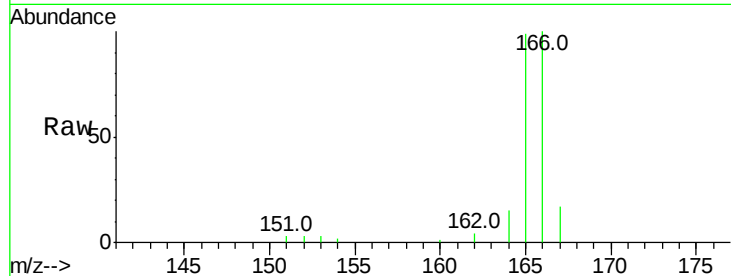
Tot Ion:166 Resp: 8584

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

167 16.9 14.6 22.0



#11

Pentachlorophenol

Concen: 0.029 ng/ul

RT: 17.00 min Scan# 2414

Delta R.T. 0.05 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

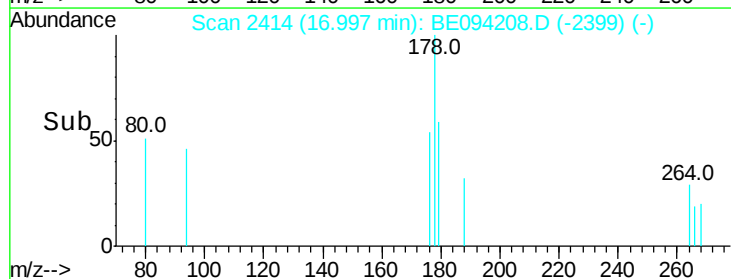
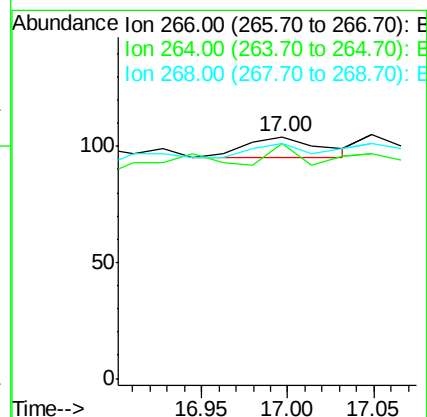
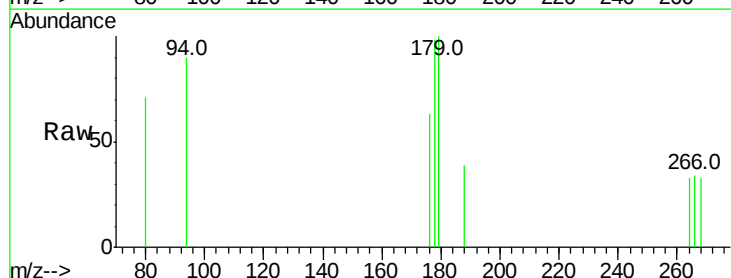
Tgt Ion:266 Resp: 28

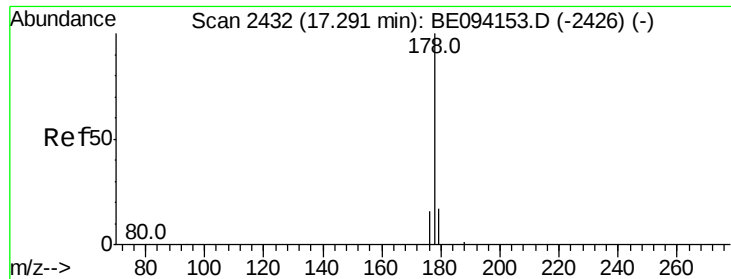
Ion Ratio Lower Upper

266 100

264 50.0 47.9 71.9

268 60.7 49.8 74.8





#12

Phenanthrene

Concen: 9.324 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

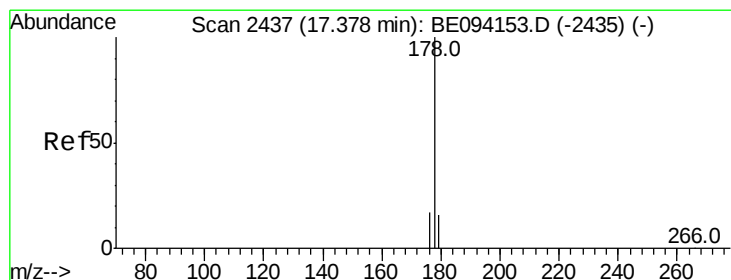
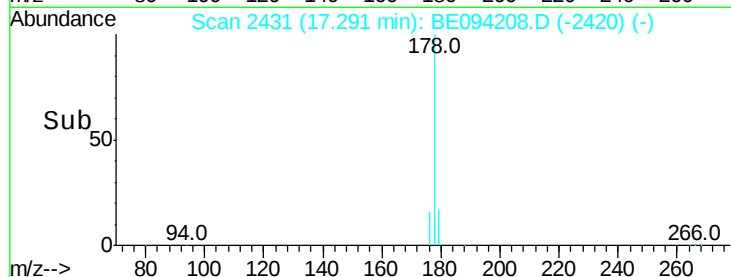
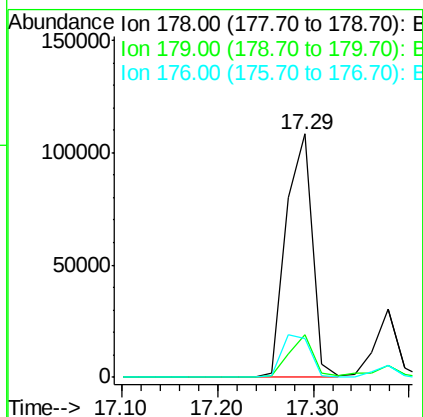
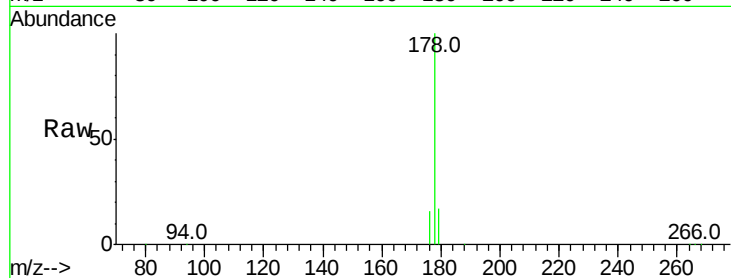
Tot Ion:178 Resp: 203337

Ion Ratio Lower Upper

178 100

179 17.5 18.4 27.6#

176 16.1 13.6 20.4



#13

Anthracene

Concen: 2.256 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

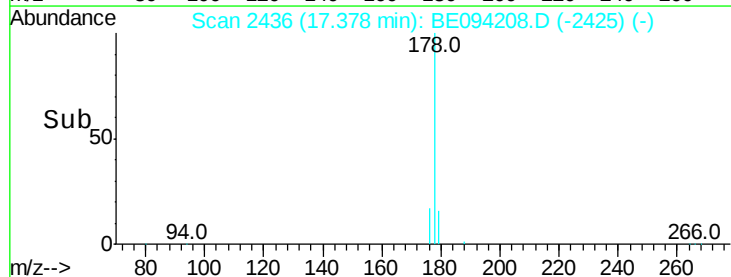
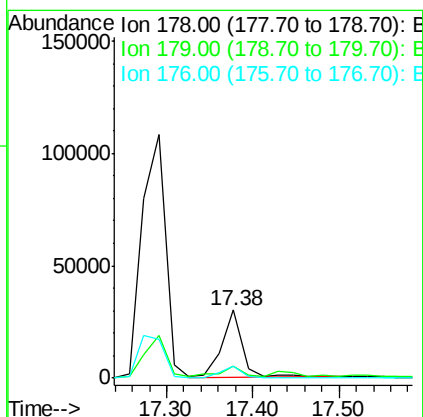
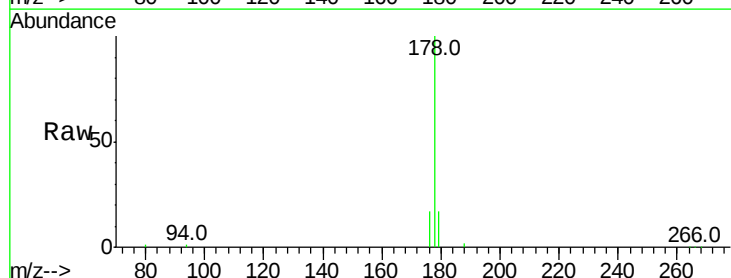
Tgt Ion:178 Resp: 47853

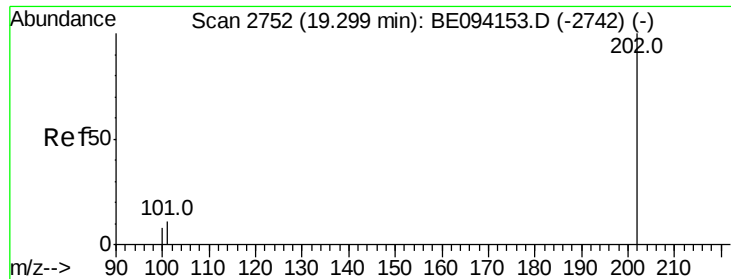
Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 17.0 14.7 22.1

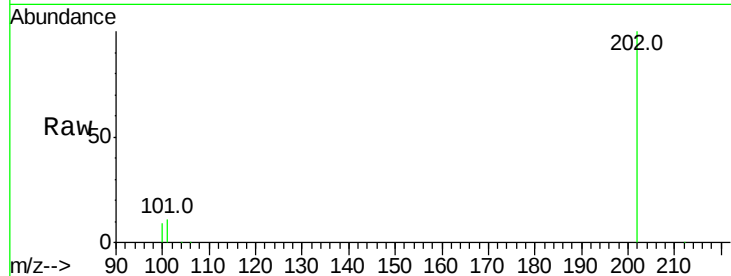




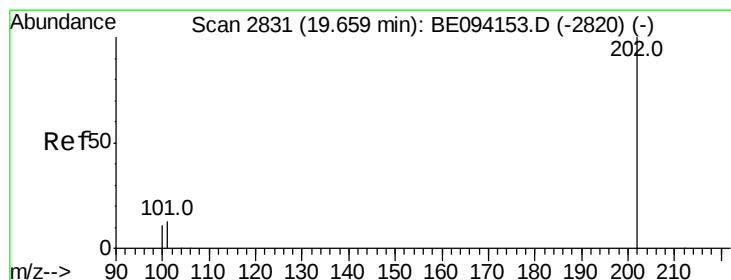
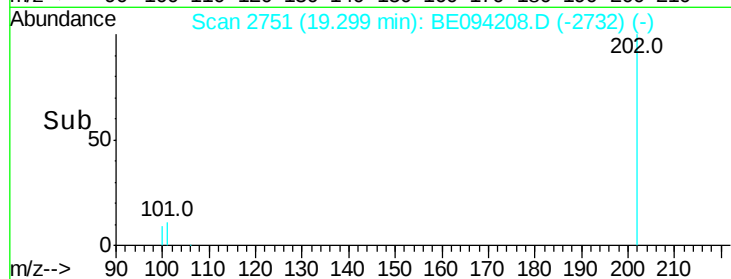
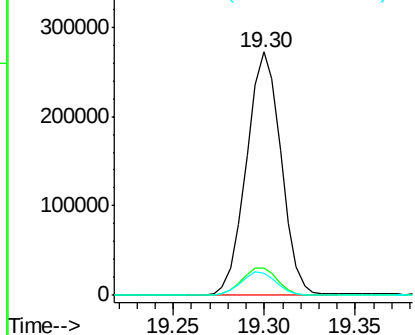
#15
Fluoranthene
Concen: 12.514 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.01 min
Lab File: BE094208.D
Acq: 7 Oct 2017 18:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.3
100	9.1	0.0	39.5

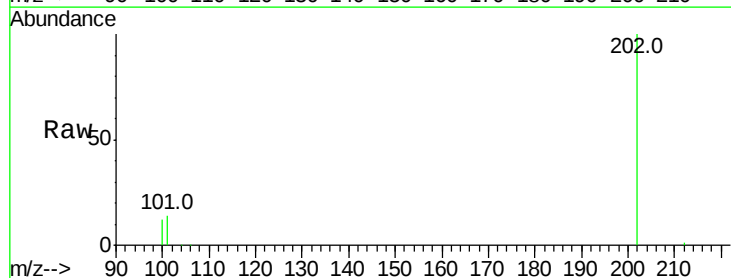


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE

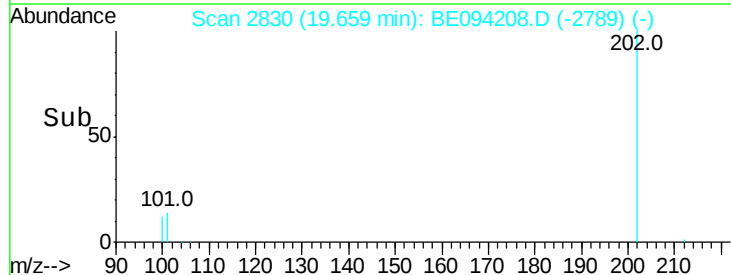
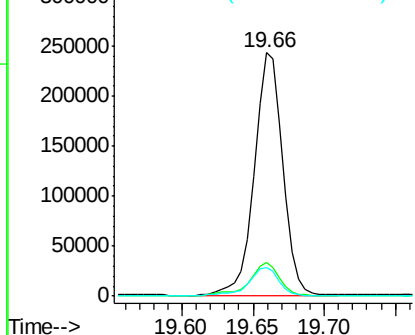


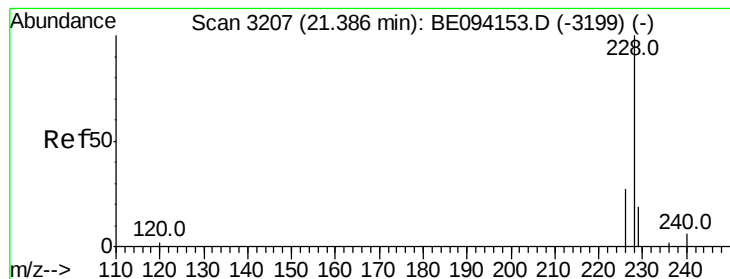
#17
Pyrene
Concen: 14.319 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094208.D
Acq: 7 Oct 2017 18:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	18.2	27.4#
100	11.9	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): BE





#18

Benzo(a)anthracene

Concen: 8.469 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.01 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

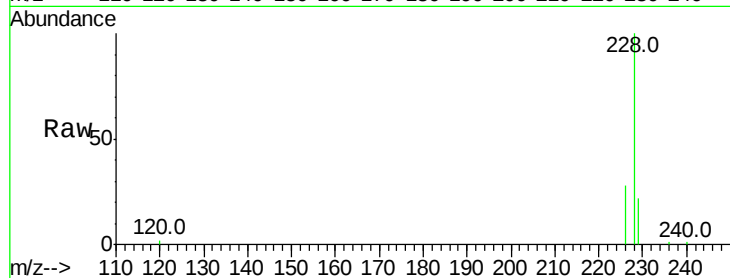
Tot Ion:228 Resp: 191498

Ion Ratio Lower Upper

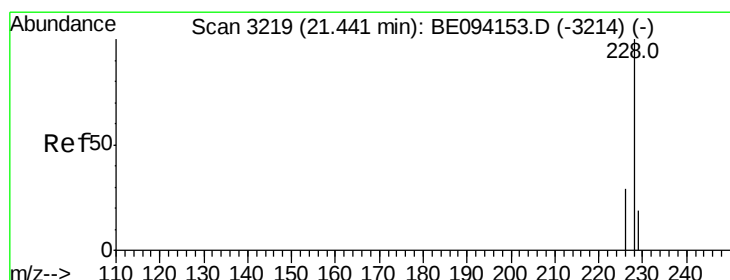
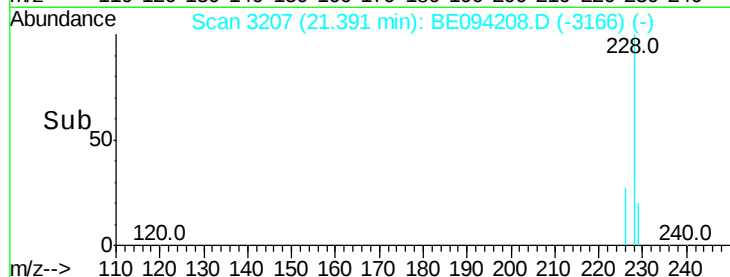
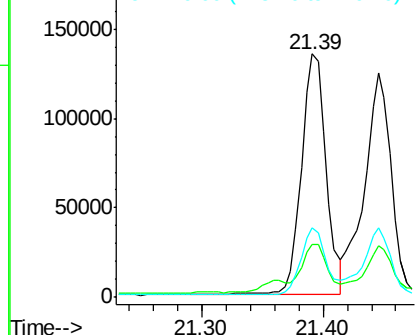
228 100

229 21.9 22.8 34.2#

226 28.3 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: 7.305 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

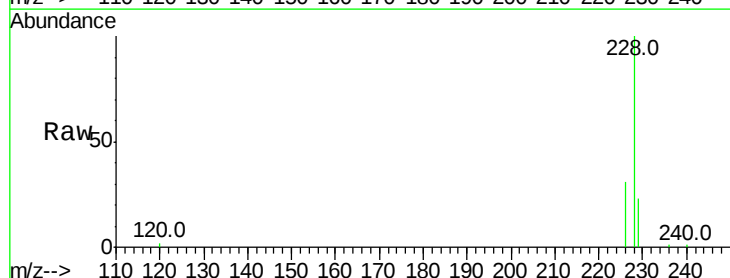
Tgt Ion:228 Resp: 190742

Ion Ratio Lower Upper

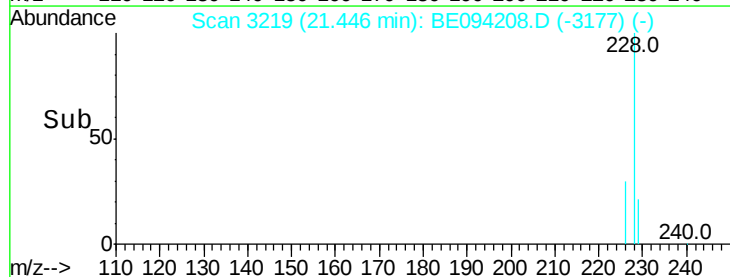
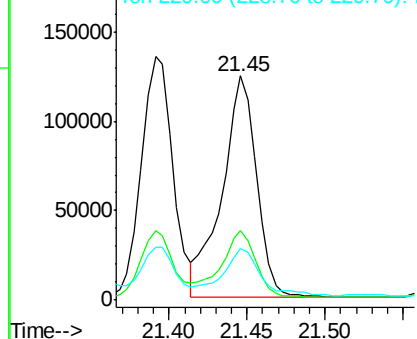
228 100

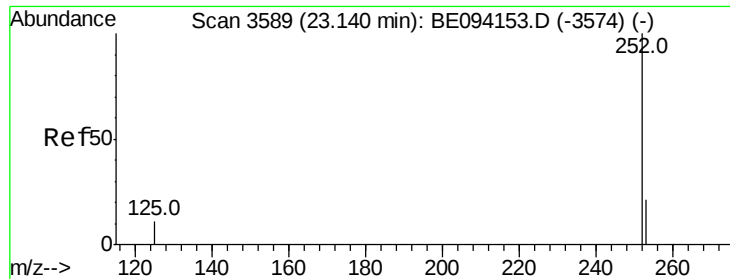
226 30.8 23.4 35.0

229 23.0 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: 14.365 ng/u1

RT: 23.15 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

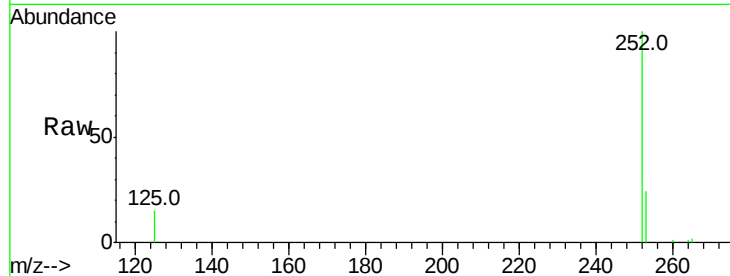
Tot Ion:252 Resp: 320926

Ion Ratio Lower Upper

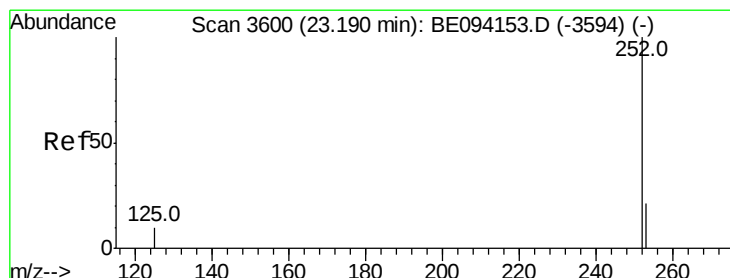
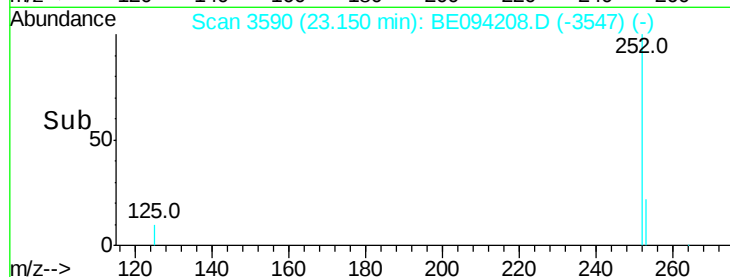
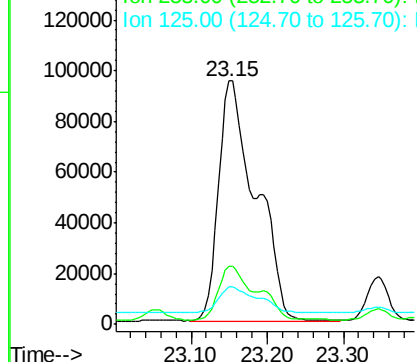
252 100

253 23.7 0.0 64.2

125 15.3 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: 12.424 ng/u1

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

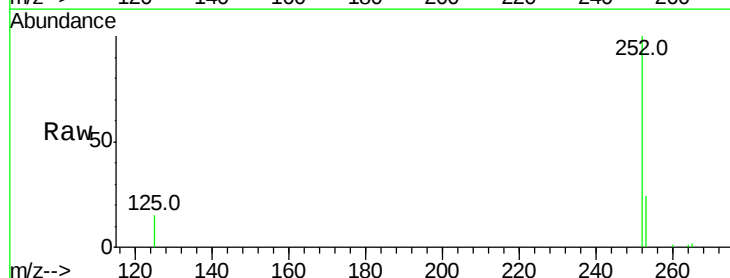
Tgt Ion:252 Resp: 320821

Ion Ratio Lower Upper

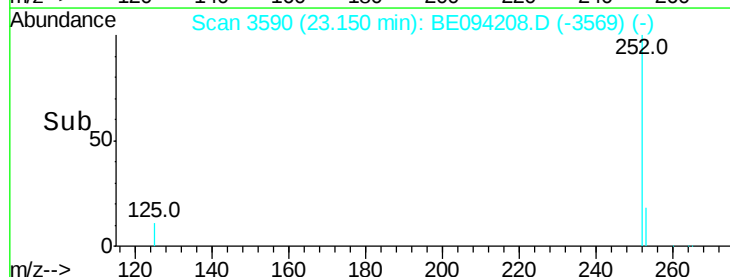
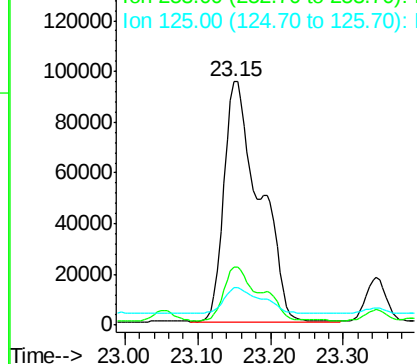
252 100

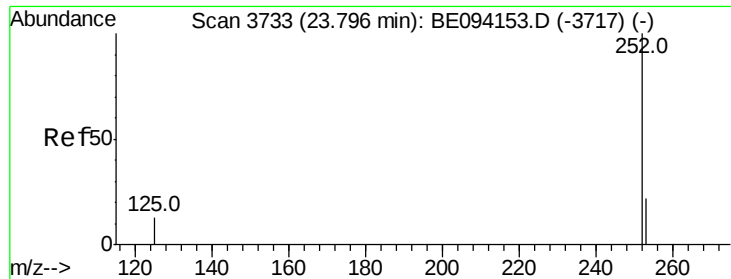
253 23.7 24.5 36.7#

125 15.3 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: 7.649 ng/ul

RT: 23.81 min Scan# 3735

Delta R.T. -0.00 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

Instrument :

BNA_E

ClientSampleId :

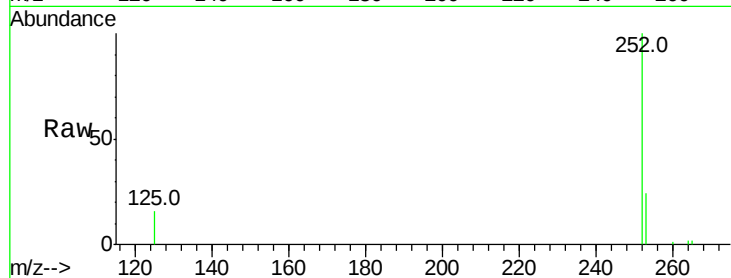
Tot Ion:252 Resp: 177573

Ion Ratio Lower Upper

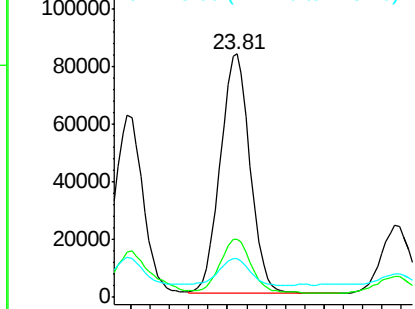
252 100

253 24.1 28.5 42.7#

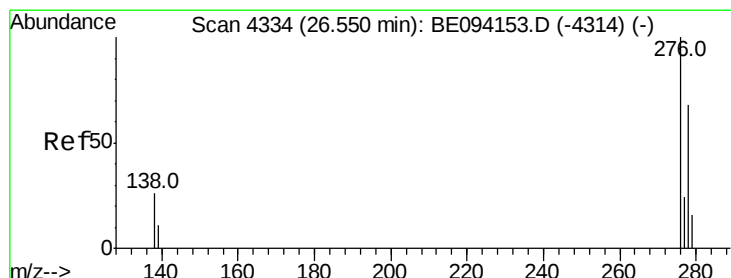
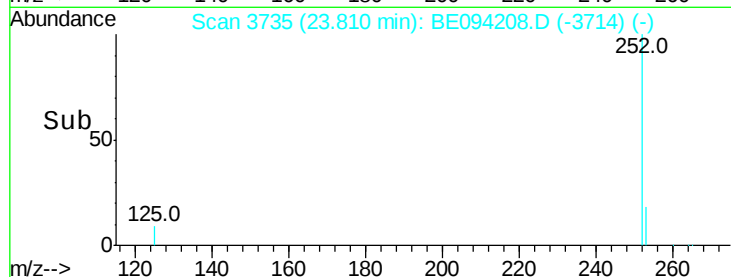
125 16.1 18.1 27.1#



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



Time--> 23.70 23.80 23.90



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.274 ng/ul

RT: 26.58 min Scan# 4339

Delta R.T. -0.01 min

Lab File: BE094208.D

Acq: 7 Oct 2017 18:32

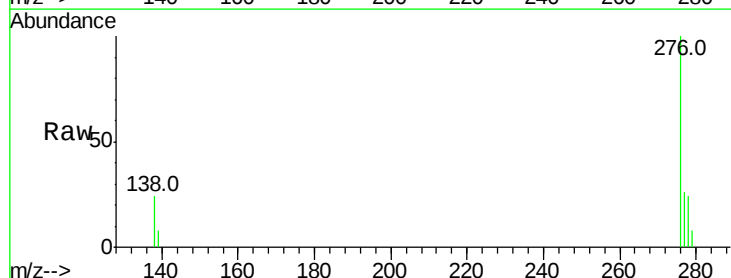
Tgt Ion:276 Resp: 125255

Ion Ratio Lower Upper

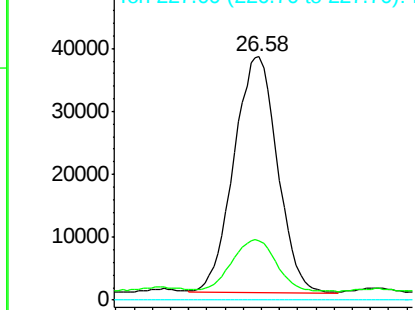
276 100

138 22.2 28.0 42.0#

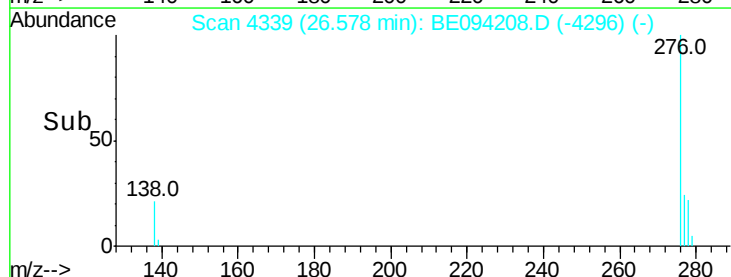
227 0.0 8.0 12.0#

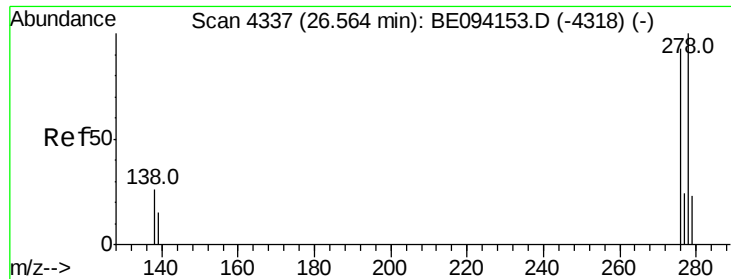


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



Time--> 26.50 26.60 26.70

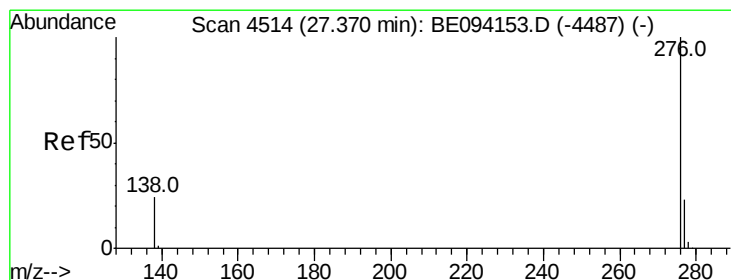
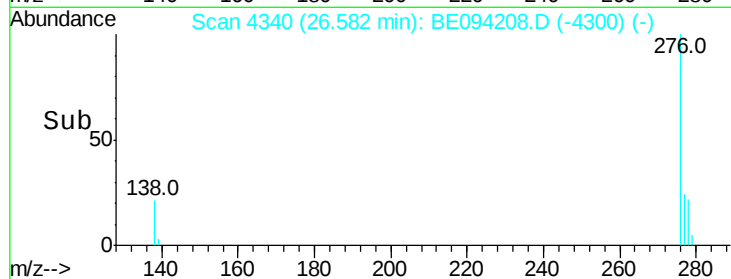
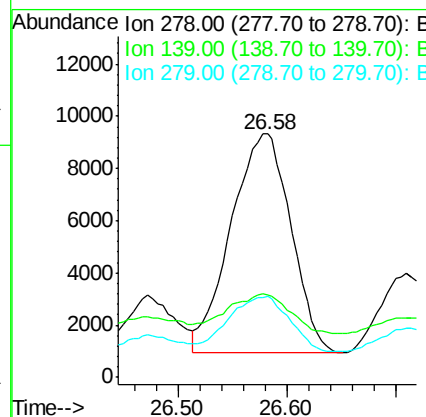
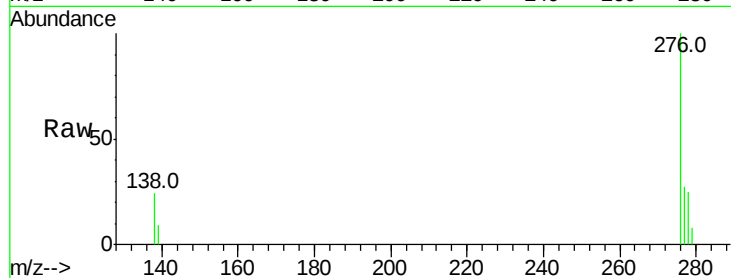




#25
Dibenzo(a,h)anthracene
Concen: 1.610 ng/ul
RT: 26.58 min Scan# 4340
Delta R.T. -0.02 min
Lab File: BE094208.D
Acq: 7 Oct 2017 18:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 32067
Ion Ratio Lower Upper
278 100
139 33.8 17.4 26.0#
279 33.0 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 5.549 ng/ul
RT: 27.39 min Scan# 4518
Delta R.T. -0.01 min
Lab File: BE094208.D
Acq: 7 Oct 2017 18:32

Tgt Ion:276 Resp: 113655
Ion Ratio Lower Upper
276 100
138 25.8 21.8 32.8
277 25.9 20.5 30.7

