

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094209.D
 Acq On : 7 Oct 2017 19:08
 Operator : SJ/JU
 Sample : I5449-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:53:34 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	7.90	152	1327	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7121	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4363	0.40	ng/ul	-0.01
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.27
16) Chrysene-d12	21.41	240	8610	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	507687	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	3116	0.28	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	6774	0.00	ng/ul	-0.02

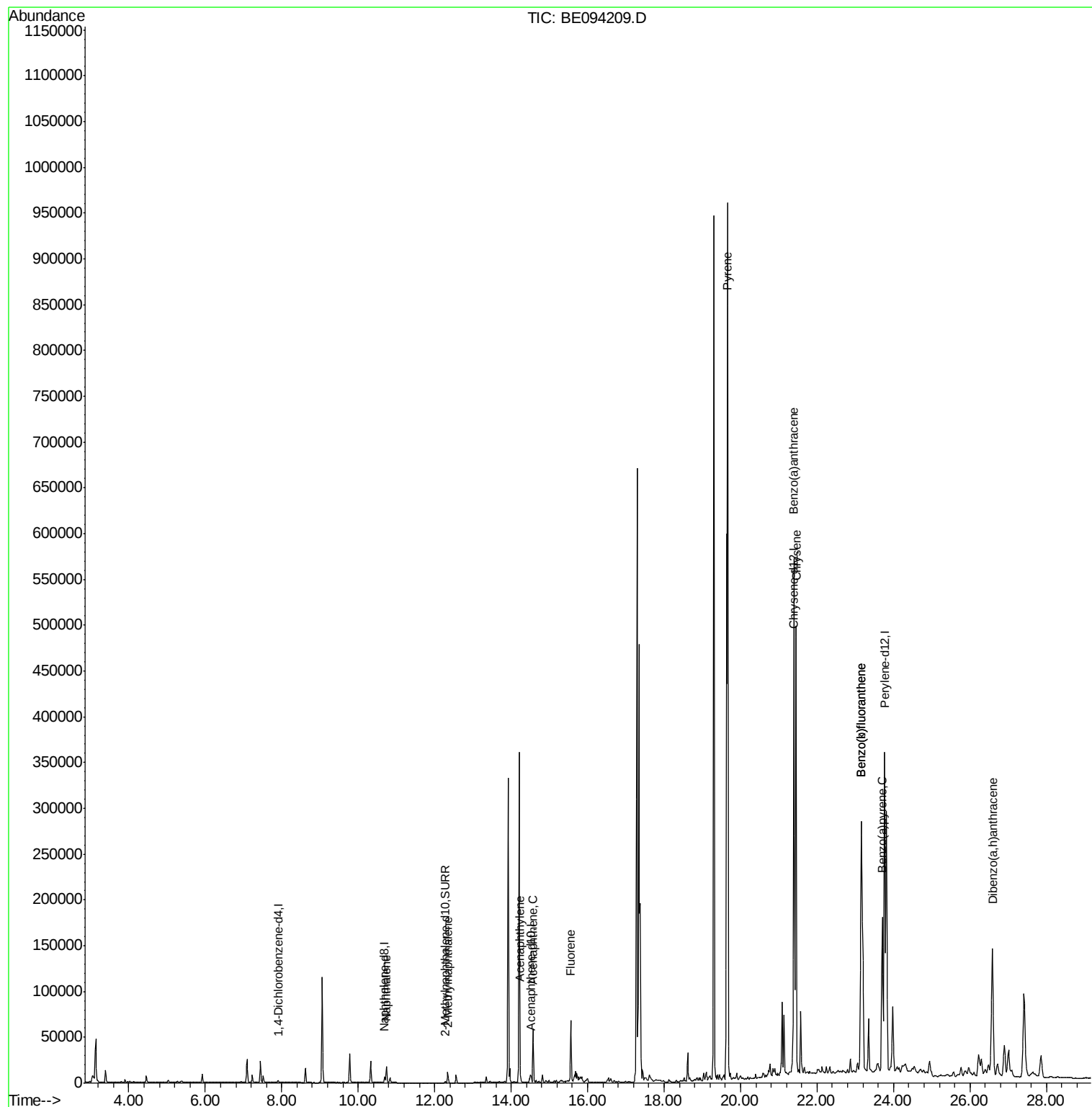
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	27904	1.600	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	10274	0.908	ng/ul	98
7) Acenaphthylene	14.24	152	10603	0.623	ng/ul	99
8) Acenaphthene	14.57	153	33739	2.409	ng/ul	97
9) Fluorene	15.56	166	41308	2.519	ng/ul	92
17) Pyrene	19.66	202	1036775	43.278	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	549219	24.045	ng/ul#	87
19) Chrysene	21.45	228	507821	19.252	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	496019	0.360	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	496019	0.311	ng/ul#	88
23) Benzo(a)pyrene	23.70	252	277266	0.193	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.59	278	45130	0.037	ng/ul	94

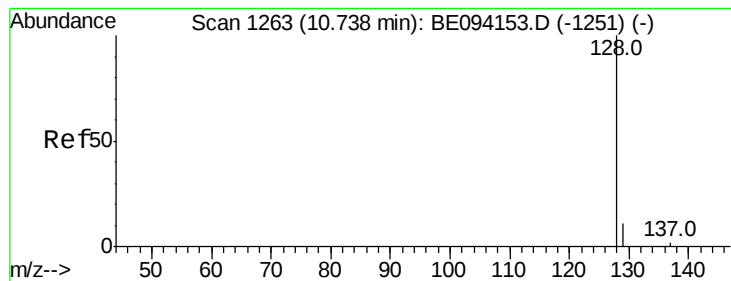
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.600 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

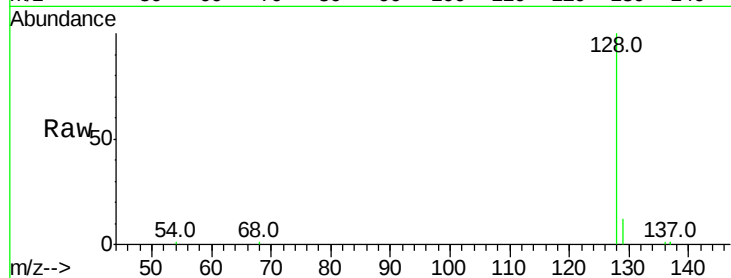
Tot Ion:128 Resp: 27904

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

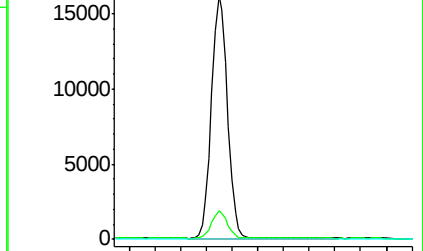
127 0.0 4.0 6.0#



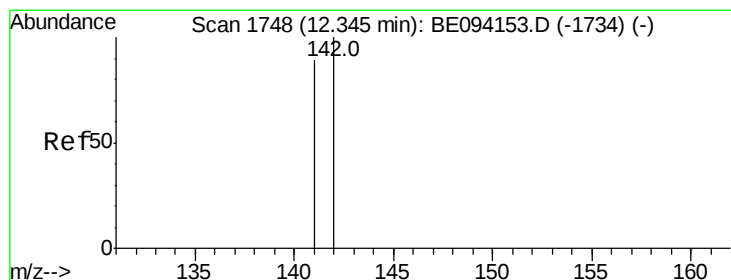
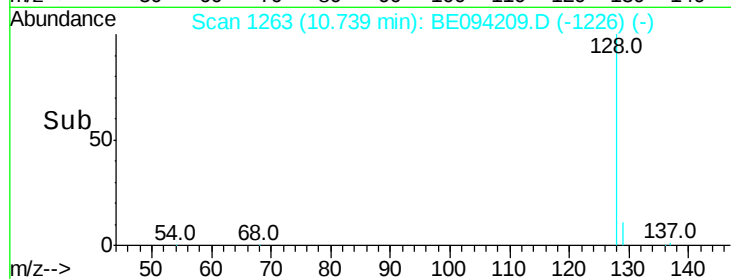
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.908 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BE094209.D

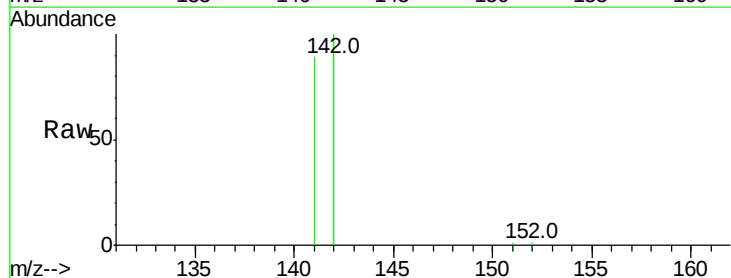
Acq: 7 Oct 2017 19:08

Tgt Ion:142 Resp: 10274

Ion Ratio Lower Upper

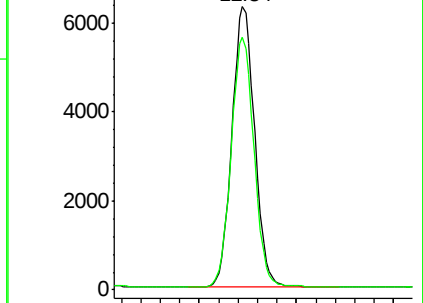
142 100

141 89.2 72.6 108.8

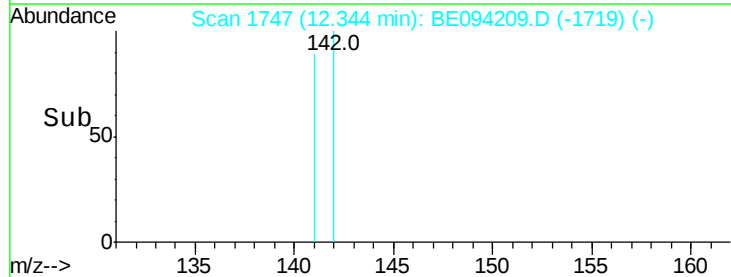


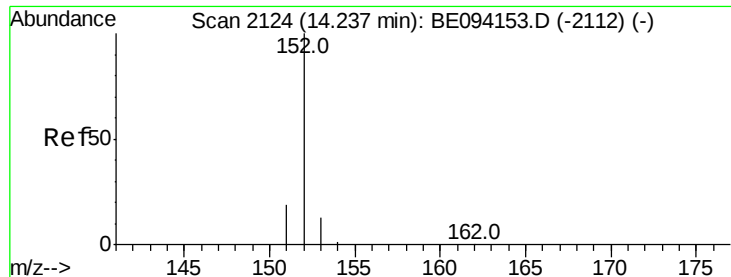
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.623 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

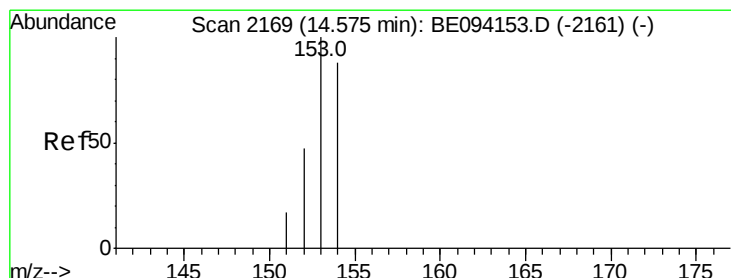
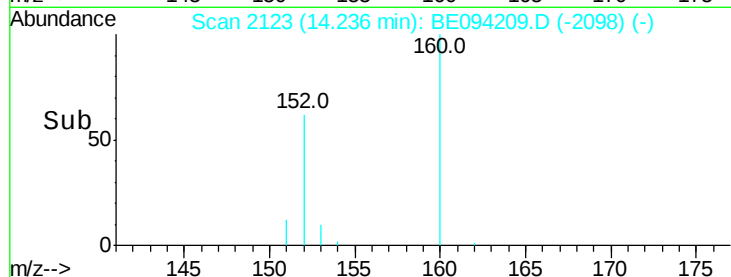
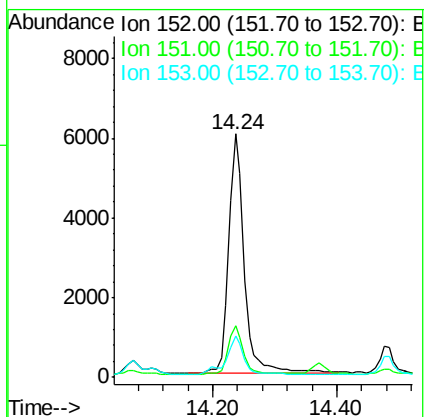
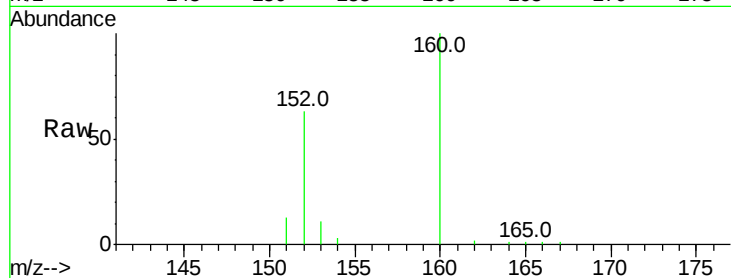
Tot Ion:152 Resp: 10603

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

153 16.9 12.8 19.2



#8

Acenaphthene

Concen: 2.409 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

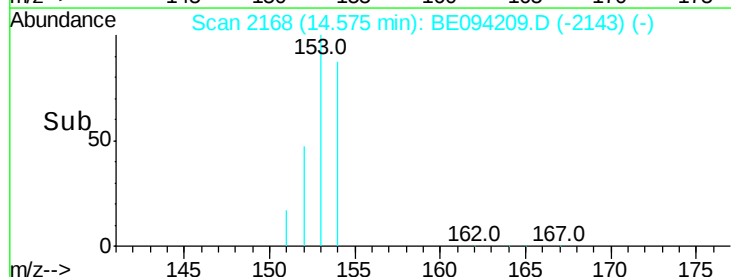
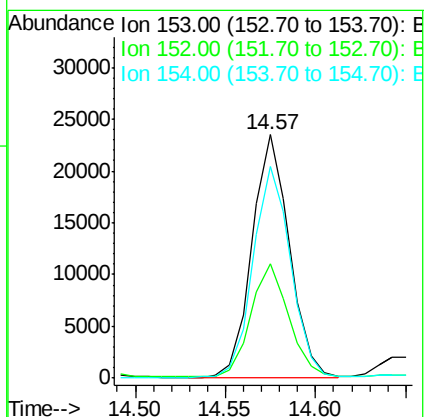
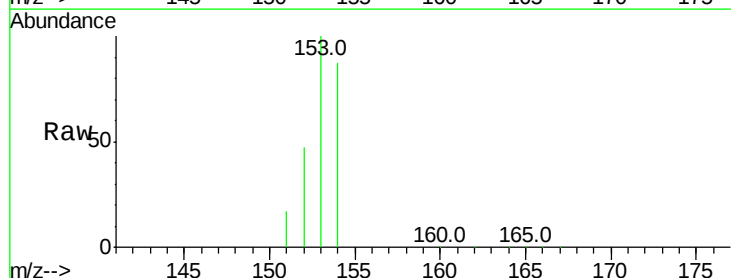
Tgt Ion:153 Resp: 33739

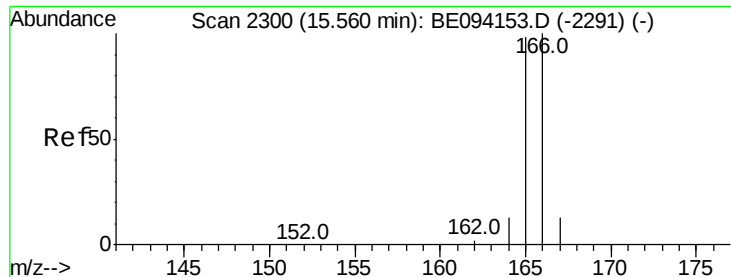
Ion Ratio Lower Upper

153 100

152 47.0 40.3 60.5

154 86.8 71.4 107.2





#9

Fluorene

Concen: 2.519 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

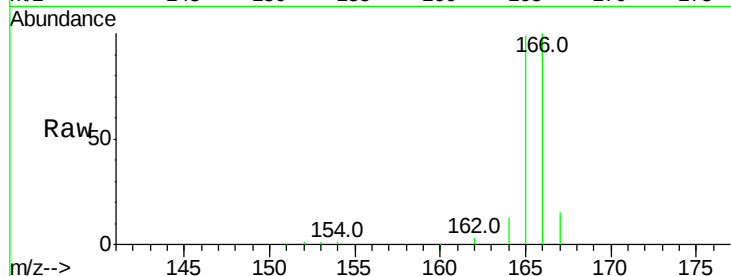
Tot Ion:166 Resp: 41308

Ion Ratio Lower Upper

166 100

165 99.0 73.4 110.2

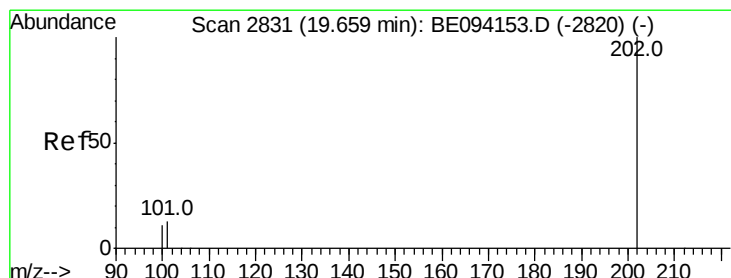
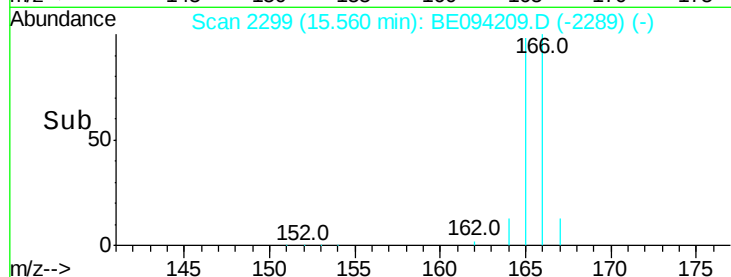
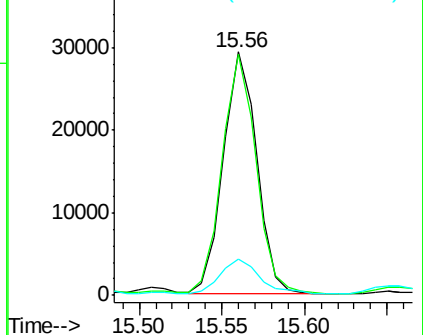
167 14.7 14.6 22.0



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



#17

Pyrene

Concen: 43.278 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

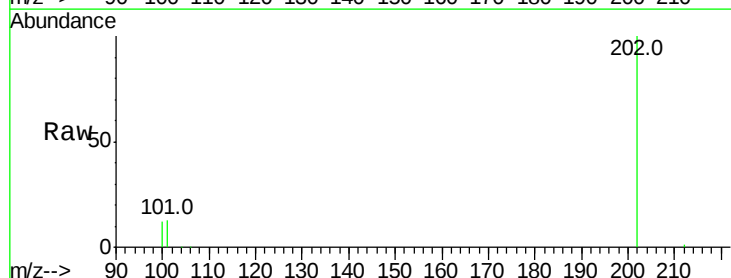
Tgt Ion:202 Resp: 1036775

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

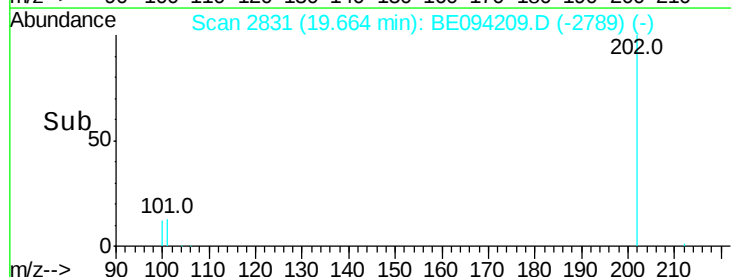
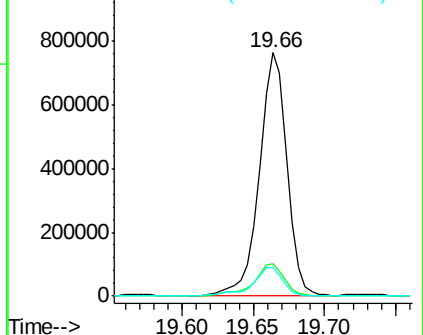
100 11.6 15.6 23.4#

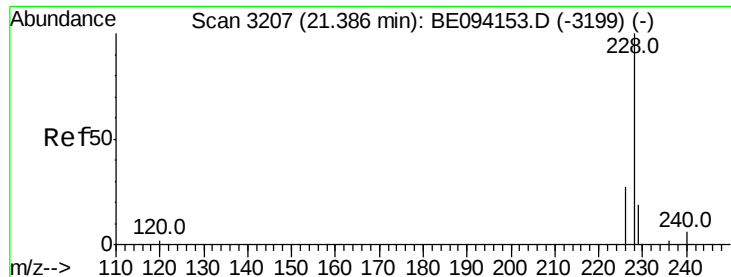


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 24.045 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

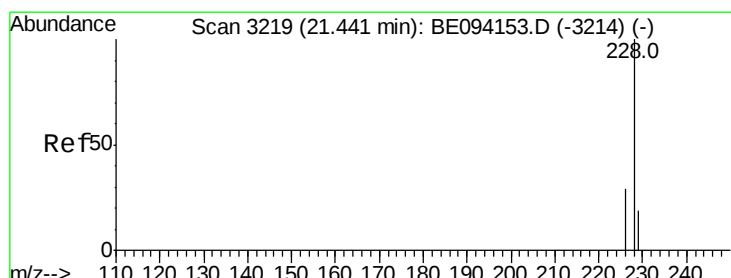
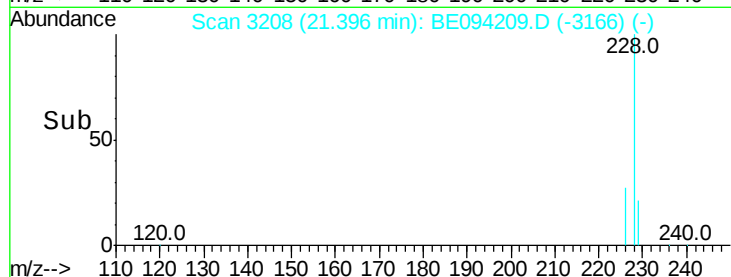
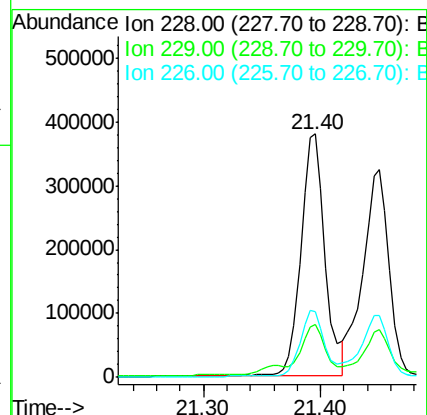
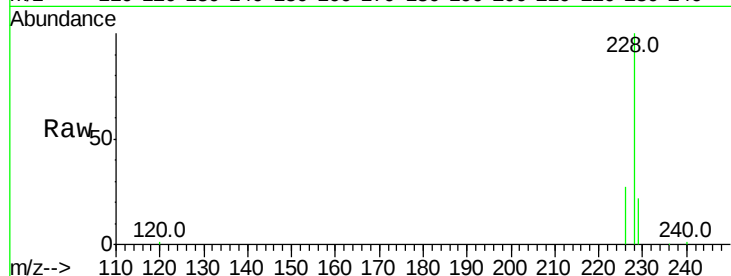
Tot Ion:228 Resp: 549219

Ion Ratio Lower Upper

228 100

229 21.6 22.8 34.2#

226 27.2 17.0 25.6#



#19

Chrysene

Concen: 19.252 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

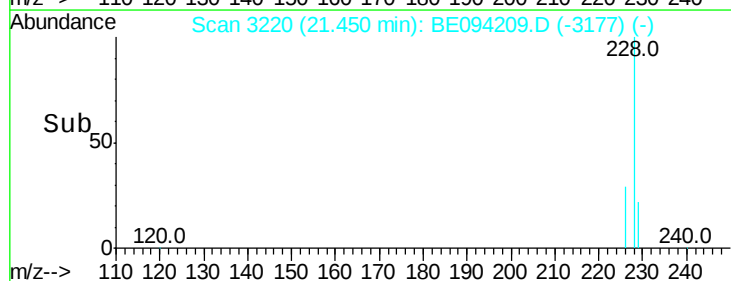
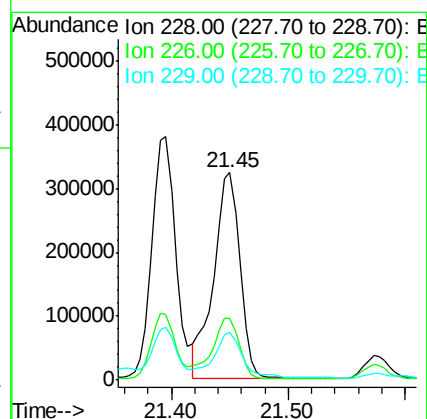
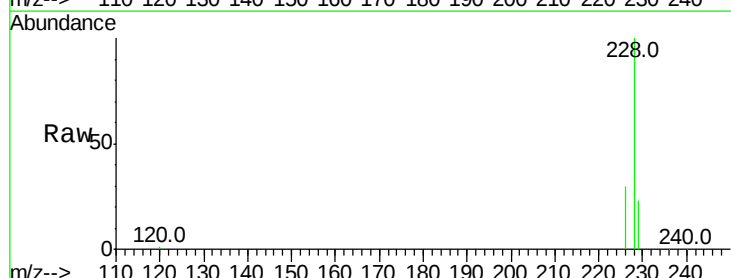
Tgt Ion:228 Resp: 507821

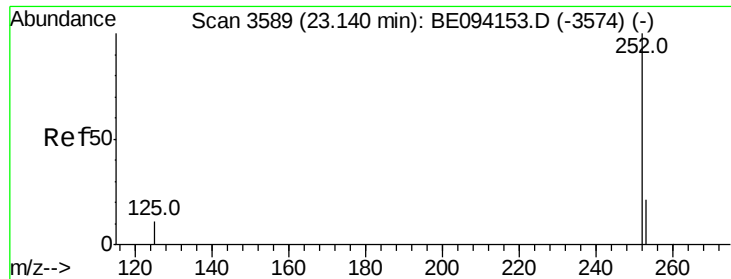
Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

229 22.7 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.360 ng/u1

RT: 23.15 min Scan# 3591

Delta R.T. 0.00 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

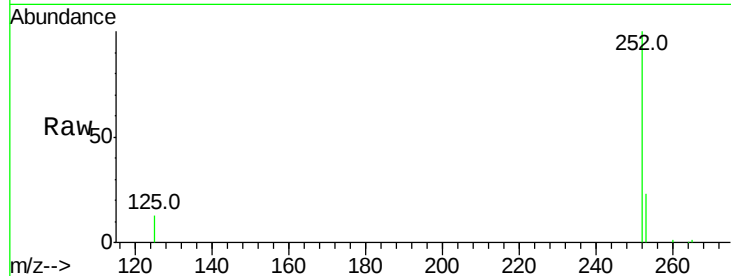
Tot Ion:252 Resp: 496019

Ion Ratio Lower Upper

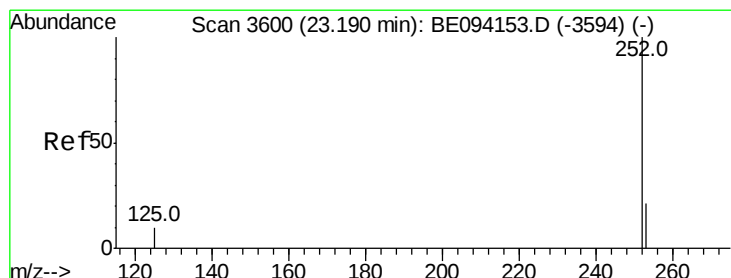
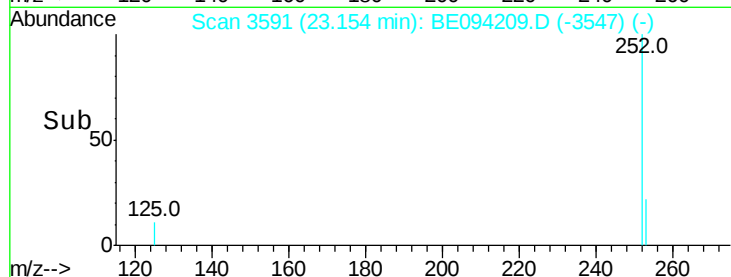
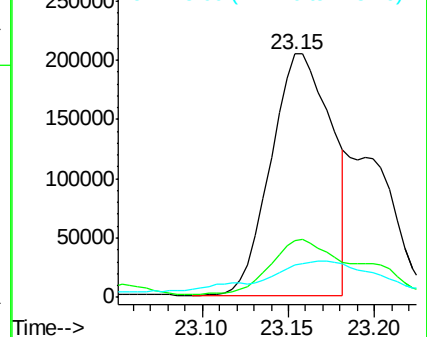
252 100

253 23.1 0.0 64.2

125 13.3 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: 0.311 ng/u1

RT: 23.15 min Scan# 3591

Delta R.T. -0.05 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

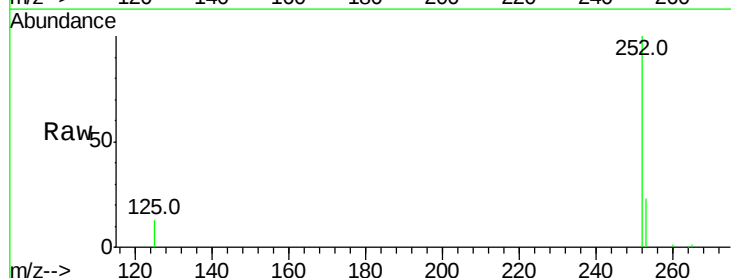
Tgt Ion:252 Resp: 496019

Ion Ratio Lower Upper

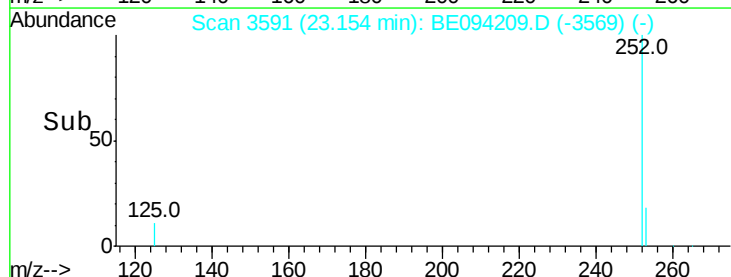
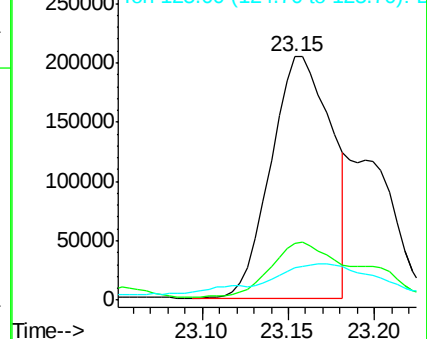
252 100

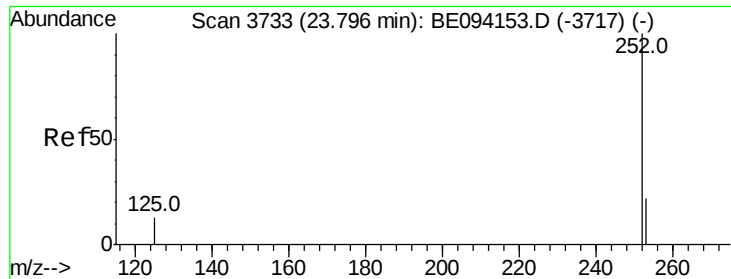
253 23.1 24.5 36.7#

125 13.3 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: 0.193 ng/ul

RT: 23.70 min Scan# 3712

Delta R.T. -0.11 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

Instrument :

BNA_E

ClientSampleId :

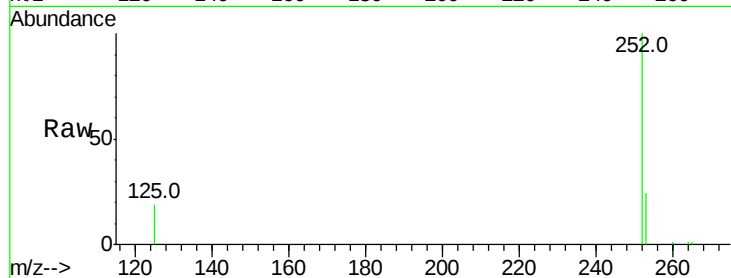
Tot Ion:252 Resp: 277266

Ion Ratio Lower Upper

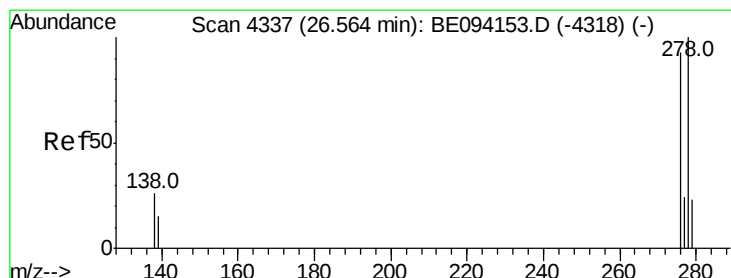
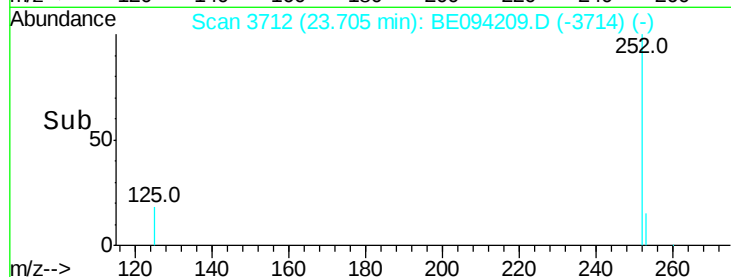
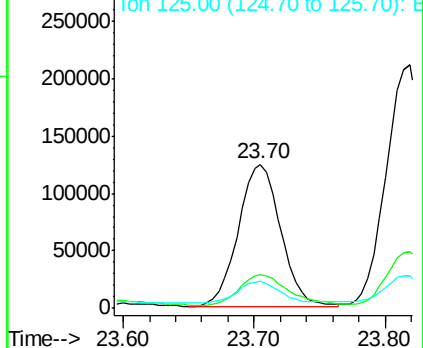
252 100

253 23.5 28.5 42.7#

125 18.6 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



#25

Dibenzo(a,h)anthracene

Concen: 0.037 ng/ul

RT: 26.59 min Scan# 4342

Delta R.T. -0.01 min

Lab File: BE094209.D

Acq: 7 Oct 2017 19:08

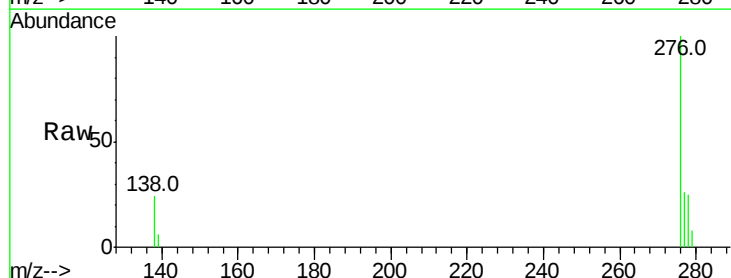
Tgt Ion:278 Resp: 45130

Ion Ratio Lower Upper

278 100

139 25.0 17.4 26.0

279 29.8 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

