

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094291.D
 Acq On : 11 Oct 2017 22:17
 Operator : SJ/JU
 Sample : I5490-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 12 07:36:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

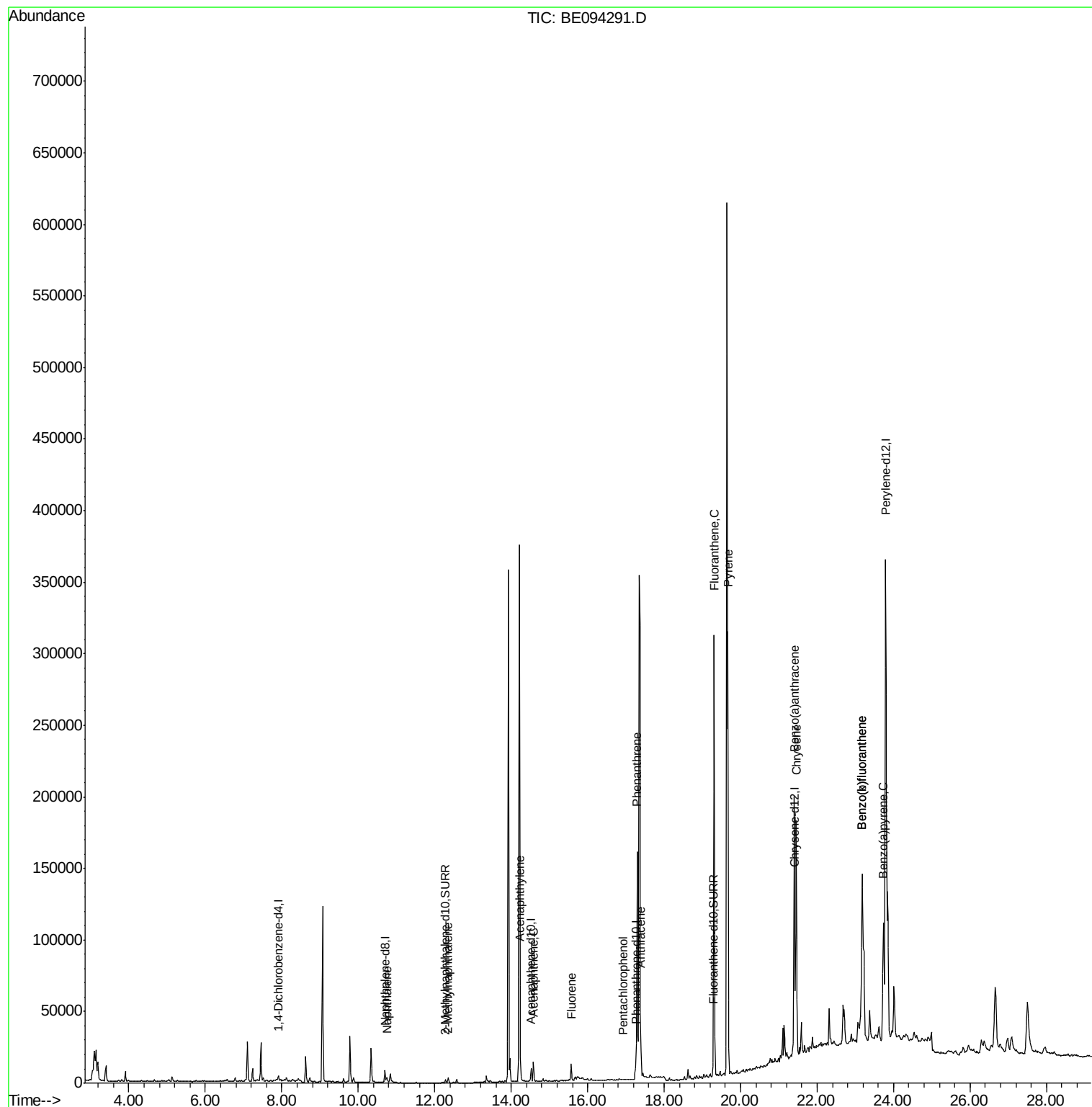
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1813	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8927	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4996	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10000	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9541	0.40	ng/ul	0.01
20) Perylene-d12	23.80	264	527204	0.40	ng/ul	-0.13
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3430	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	7504	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4995	0.228	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2859	0.202	ng/ul	97
7) Acenaphthylene	14.24	152	7535	0.387	ng/ul	96
8) Acenaphthene	14.58	153	7985	0.498	ng/ul	98
9) Fluorene	15.57	166	7675	0.409	ng/ul	92
11) Pentachlorophenol	16.93	266	81	0.069	ng/ul#	83
12) Phenanthrene	17.29	178	168086	6.432	ng/ul#	89
13) Anthracene	17.38	178	44862	1.765	ng/ul#	89
15) Fluoranthene	19.31	202	336432	9.798	ng/ul	84
17) Pyrene	19.67	202	326889	12.314	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	179904	7.108	ng/ul#	89
19) Chrysene	21.46	228	175656	6.009	ng/ul	94
21) Benzo(b)fluoranthene	23.18	252	214184	0.150	ng/ul	93
22) Benzo(k)fluoranthene	23.18	252	202097	0.122	ng/ul#	94
23) Benzo(a)pyrene	23.73	252	140129	0.094	ng/ul#	88

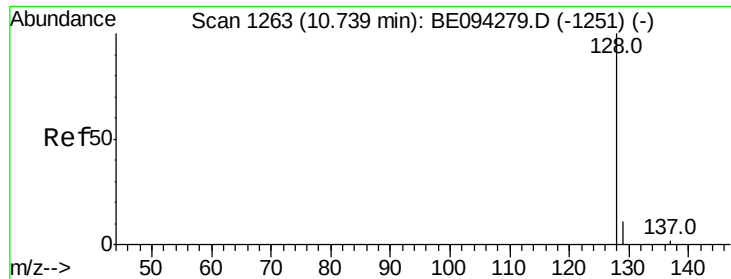
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.228 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

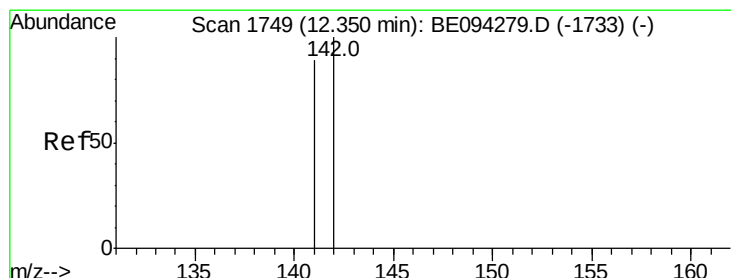
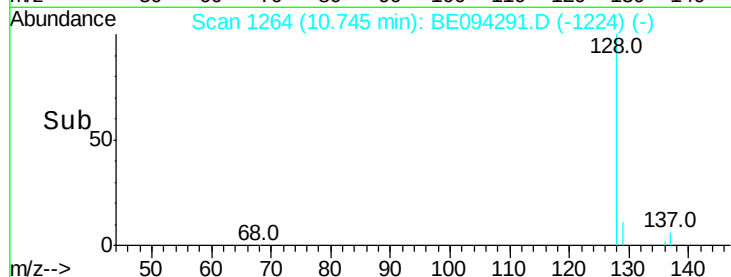
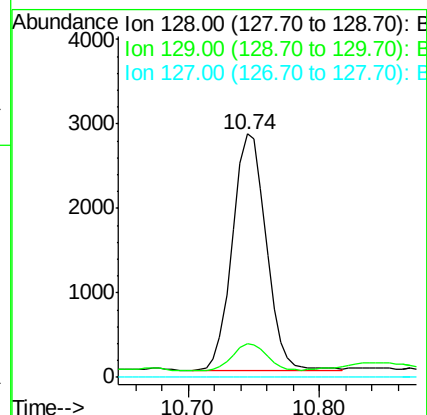
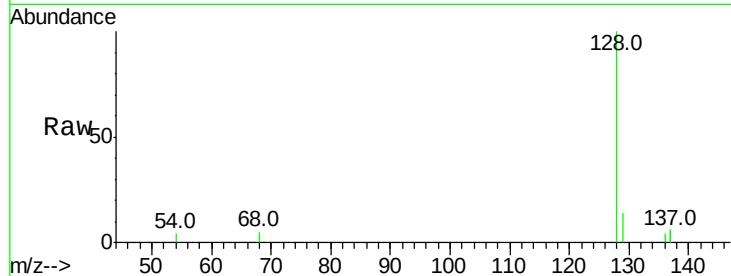
Tot Ion:128 Resp: 4995

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.202 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094291.D

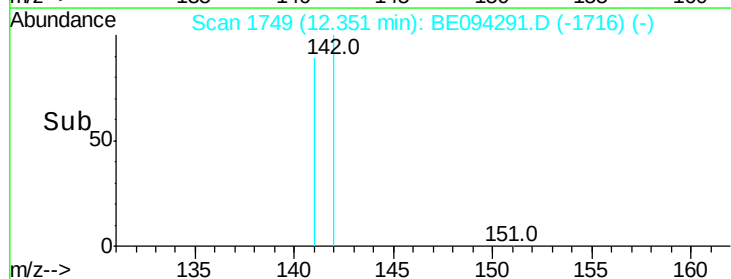
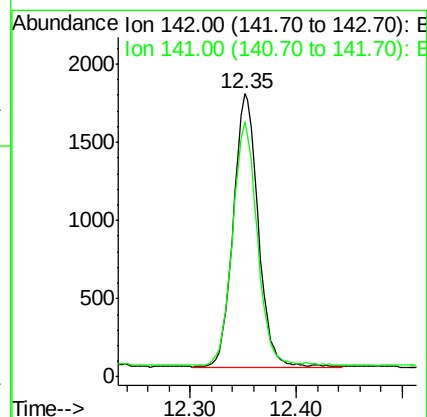
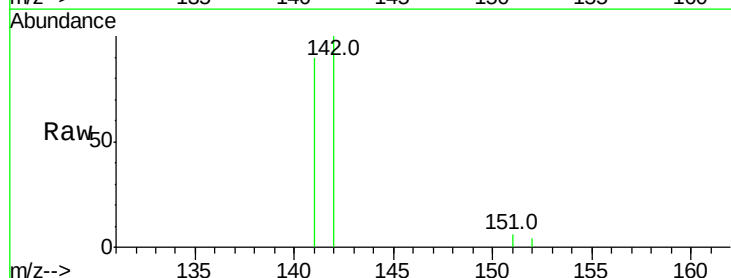
Acq: 11 Oct 2017 22:17

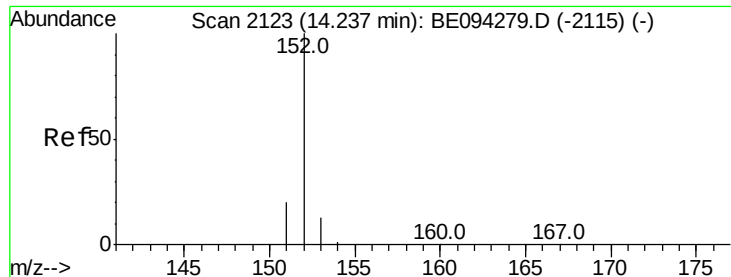
Tgt Ion:142 Resp: 2859

Ion Ratio Lower Upper

142 100

141 88.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.387 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

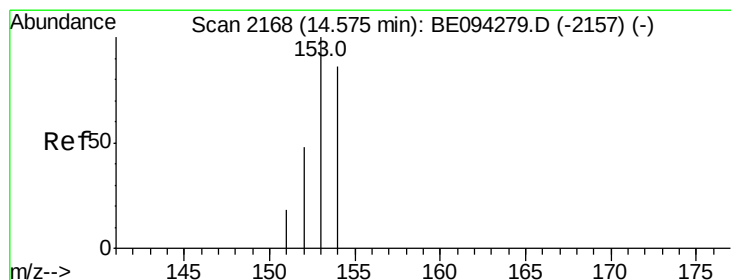
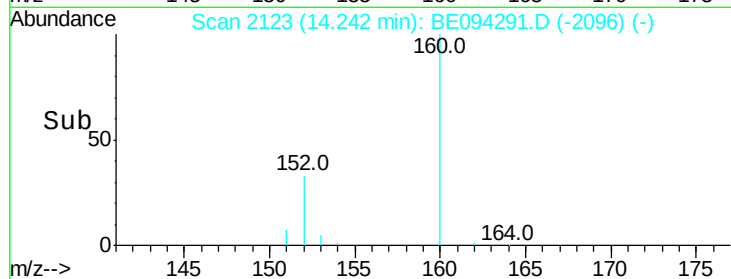
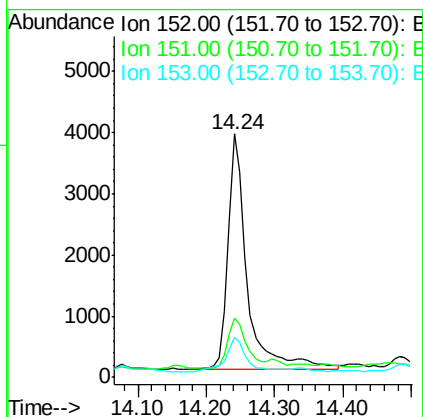
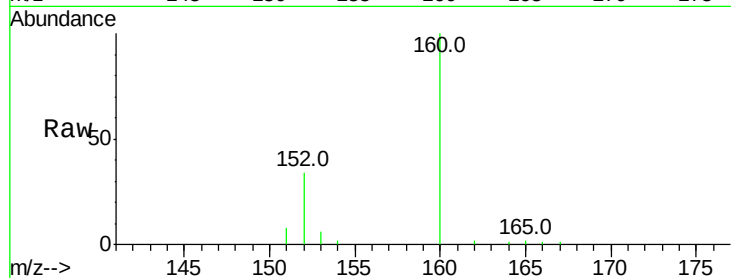
Tot Ion:152 Resp: 7535

Ion Ratio Lower Upper

152 100

151 24.2 17.1 25.7

153 16.3 12.8 19.2



#8

Acenaphthene

Concen: 0.498 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

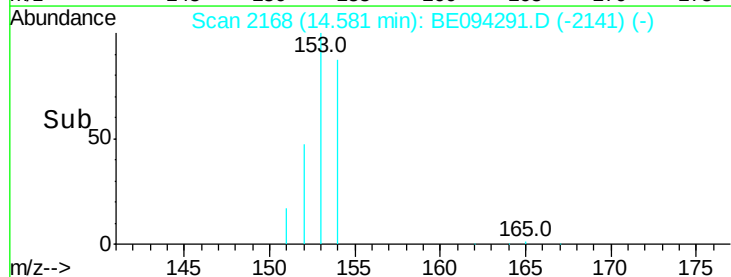
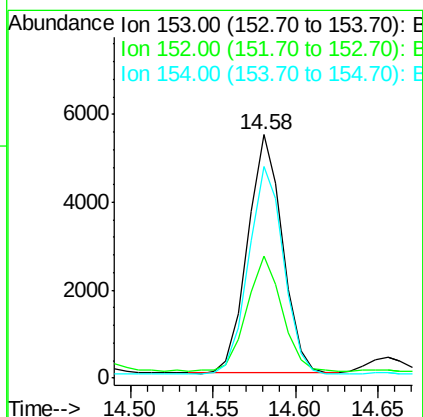
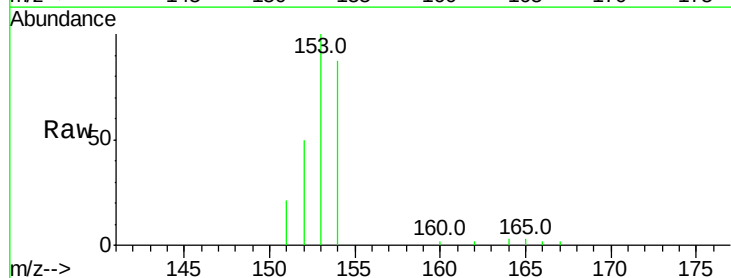
Tgt Ion:153 Resp: 7985

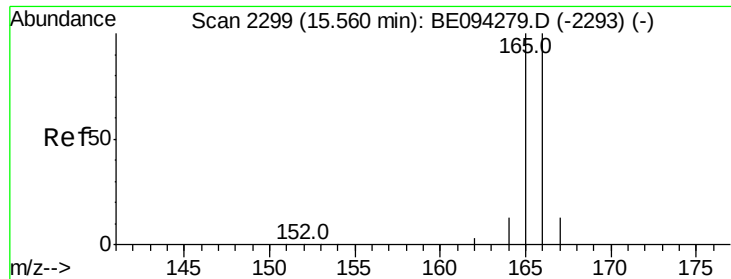
Ion Ratio Lower Upper

153 100

152 50.1 40.3 60.5

154 86.7 71.4 107.2





#9

Fluorene

Concen: 0.409 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

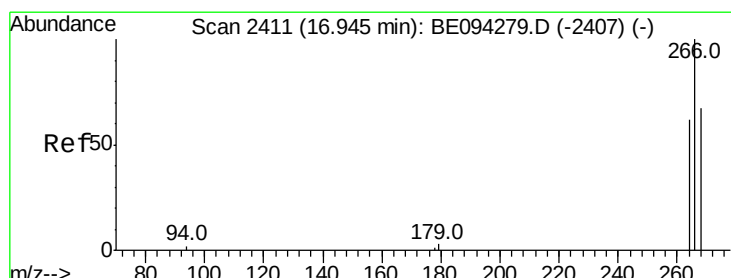
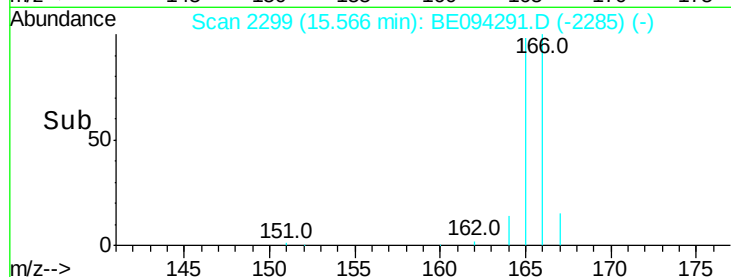
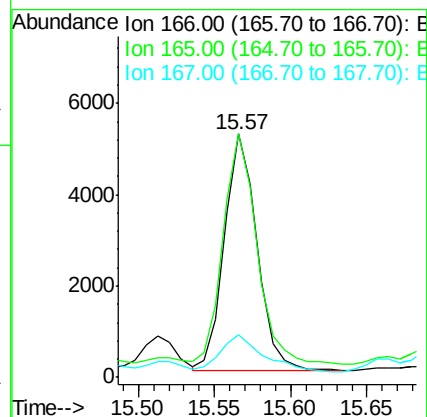
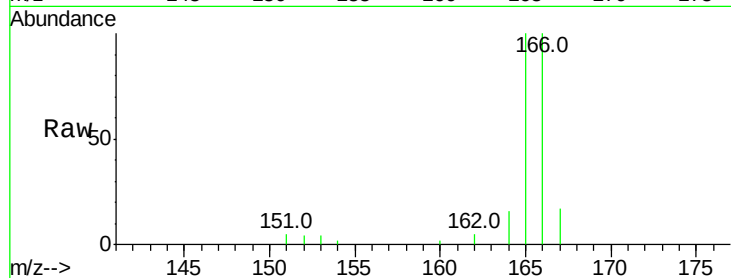
Tot Ion:166 Resp: 7675

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

167 17.3 14.6 22.0



#11

Pentachlorophenol

Concen: 0.069 ng/ul

RT: 16.93 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

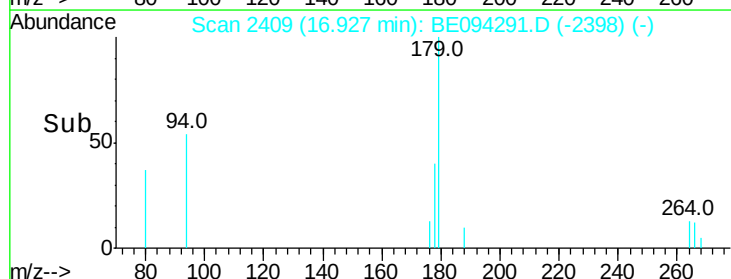
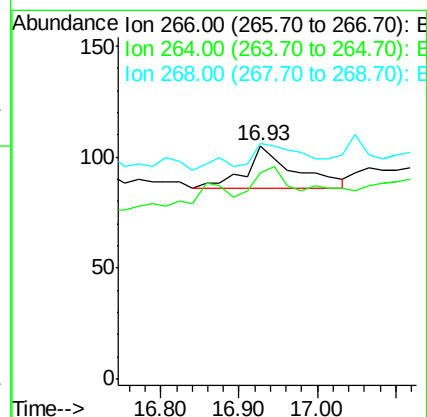
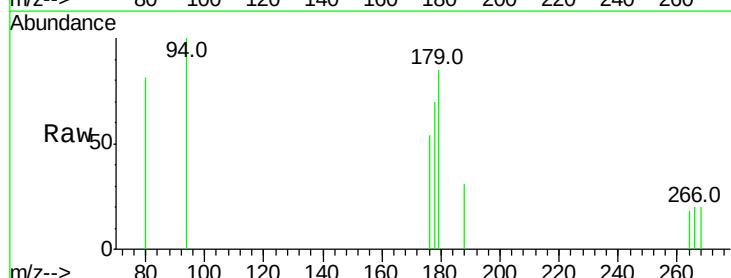
Tgt Ion:266 Resp: 81

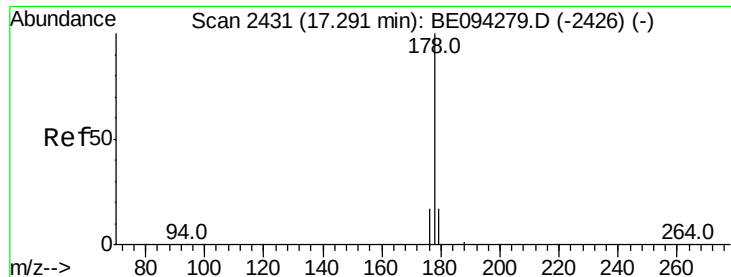
Ion Ratio Lower Upper

266 100

264 72.8 47.9 71.9#

268 75.3 49.8 74.8#





#12

Phenanthrene

Concen: 6.432 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

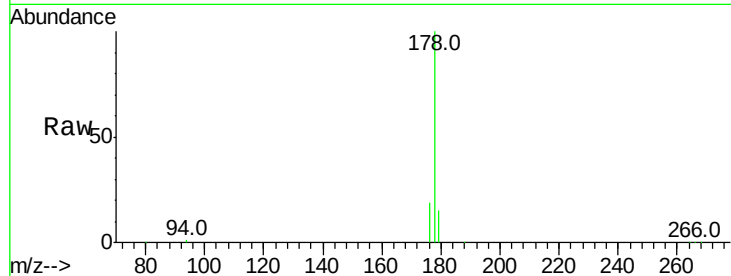
Tot Ion:178 Resp: 168086

Ion Ratio Lower Upper

178 100

179 15.4 18.4 27.6#

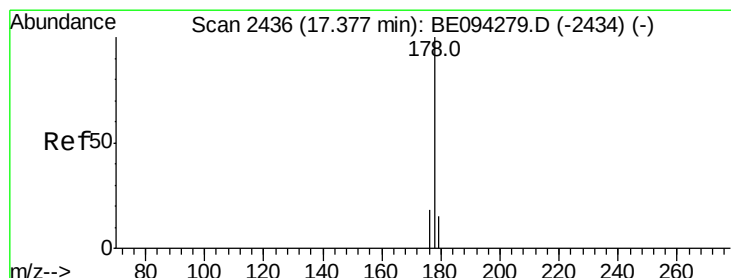
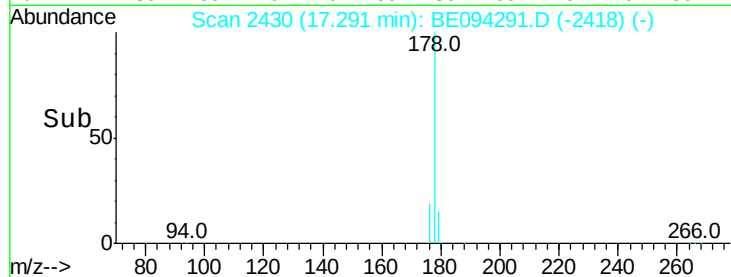
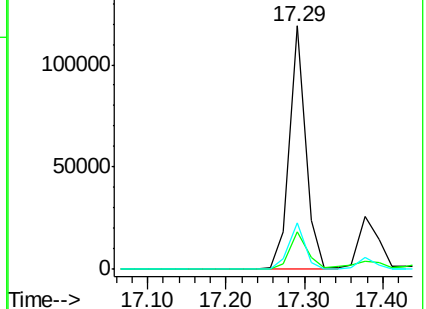
176 19.2 13.6 20.4



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



#13

Anthracene

Concen: 1.765 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

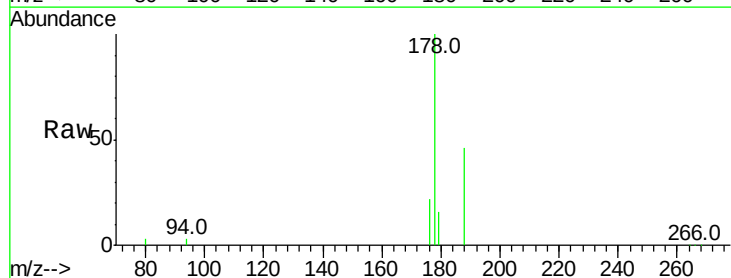
Tgt Ion:178 Resp: 44862

Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

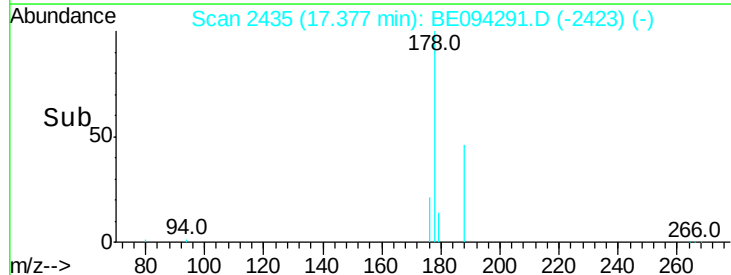
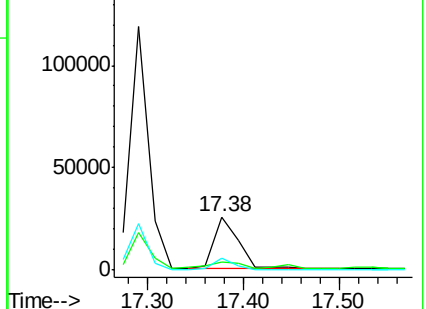
176 21.8 14.7 22.1

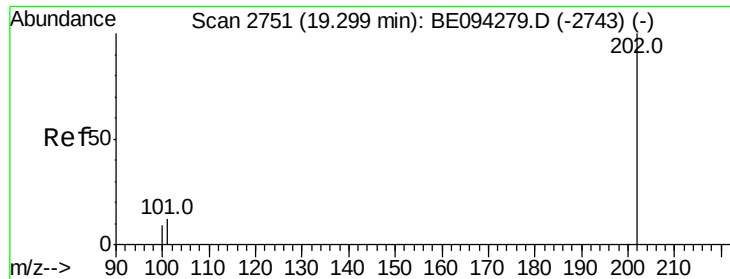


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

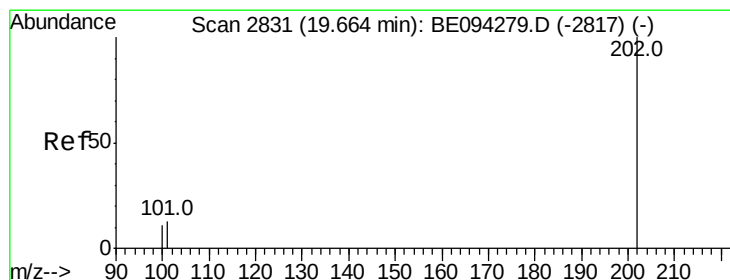
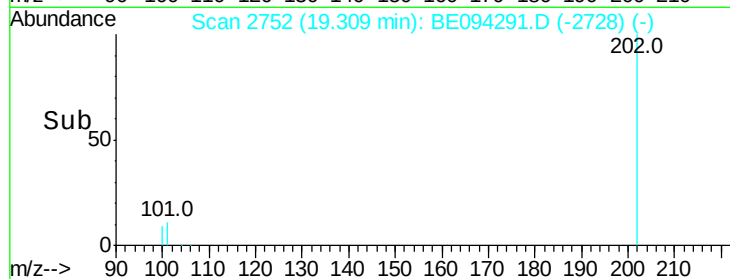
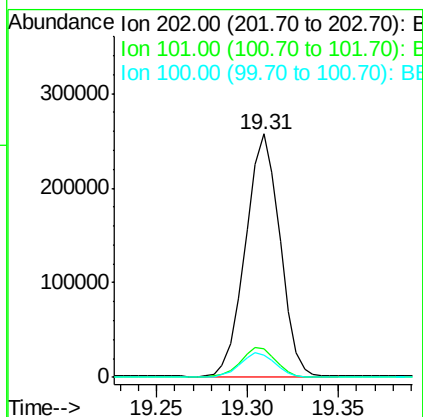
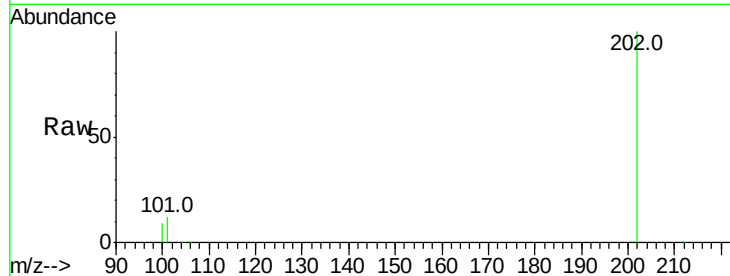




#15
Fluoranthene
Concen: 9.798 ng/ul
RT: 19.31 min Scan# 2752
Delta R.T. 0.01 min
Lab File: BE094291.D
Acq: 11 Oct 2017 22:17

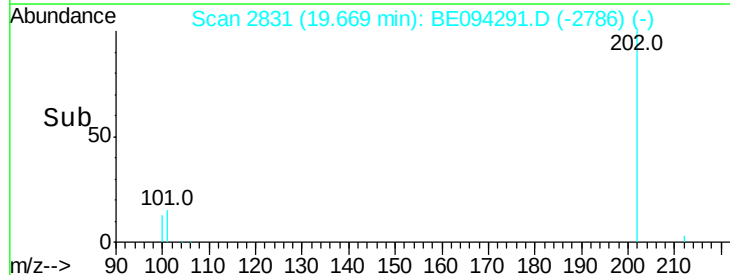
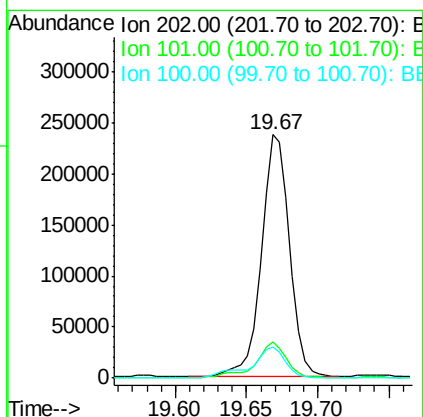
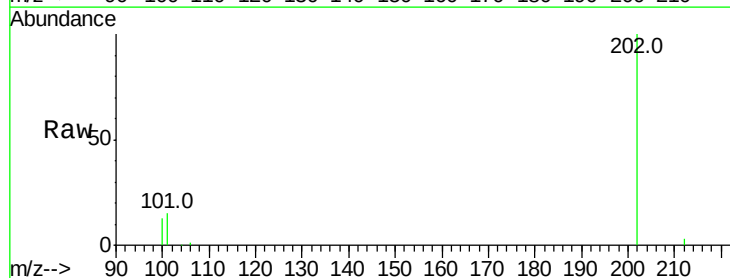
Instrument :
BNA_E
ClientSampleId :

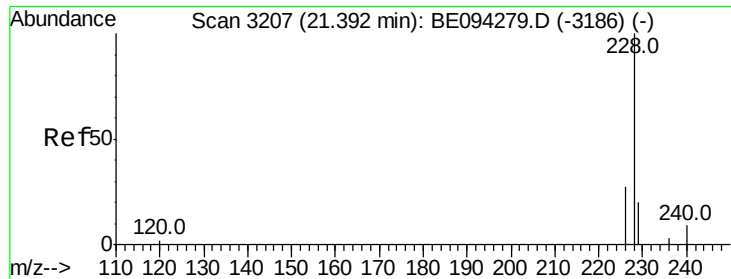
Tot Ion:202 Resp: 336432
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.3
100 9.1 0.0 39.5



#17
Pyrene
Concen: 12.314 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE094291.D
Acq: 11 Oct 2017 22:17

Tgt Ion:202 Resp: 326889
Ion Ratio Lower Upper
202 100
101 14.7 18.2 27.4#
100 12.8 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 7.108 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

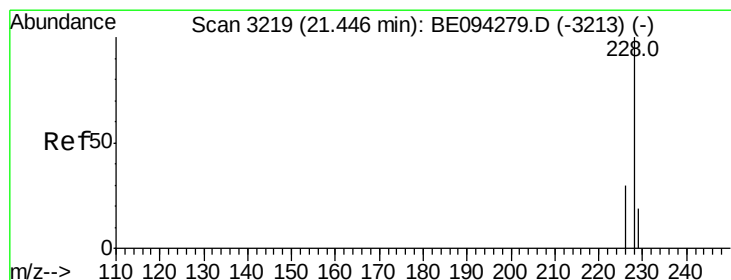
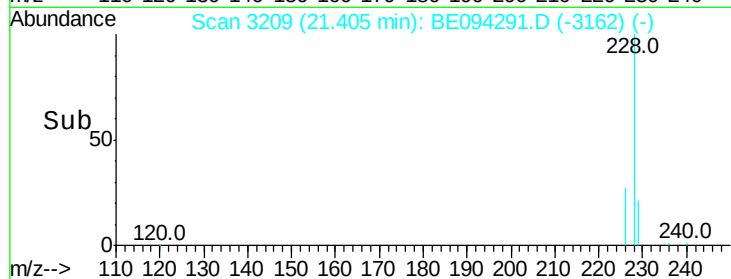
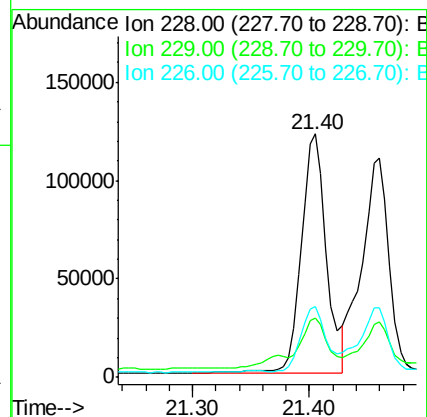
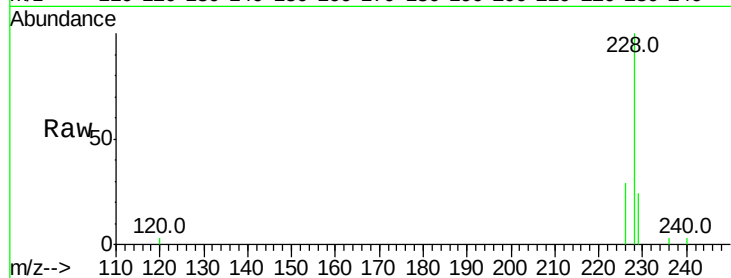
Tot Ion:228 Resp: 179904

Ion Ratio Lower Upper

228 100

229 24.4 22.8 34.2

226 28.9 17.0 25.6#



#19

Chrysene

Concen: 6.009 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. 0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

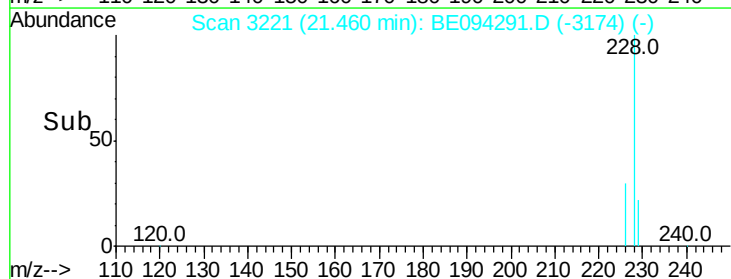
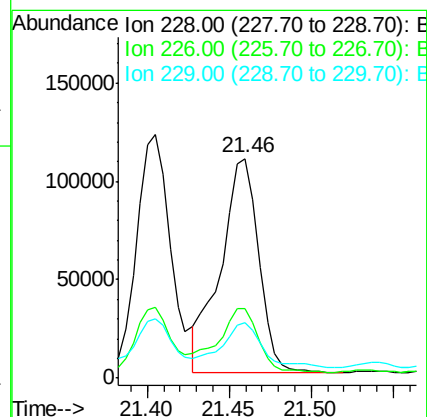
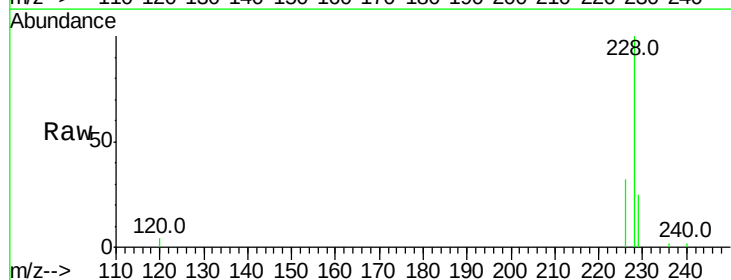
Tgt Ion:228 Resp: 175656

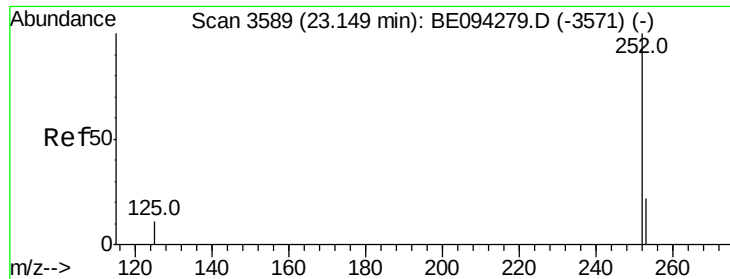
Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.0

229 25.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.150 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. 0.03 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

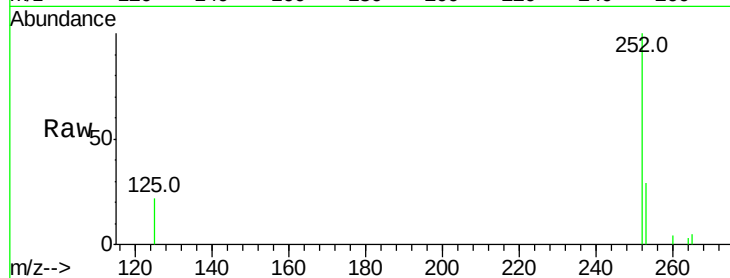
Tot Ion:252 Resp: 214184

Ion Ratio Lower Upper

252 100

253 28.8 0.0 64.2

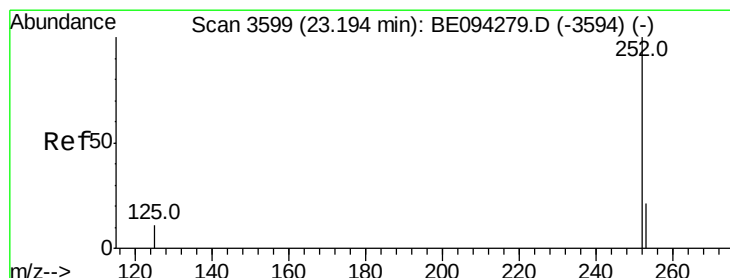
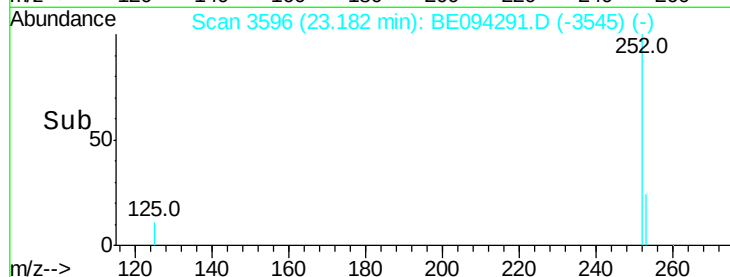
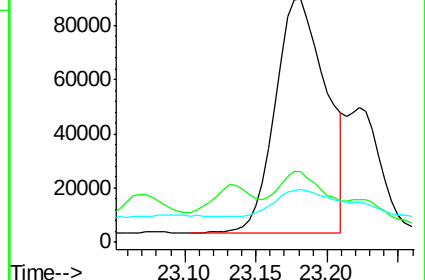
125 21.7 0.0 35.0



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: 0.122 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

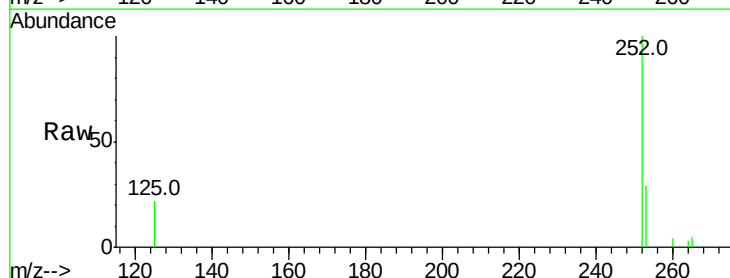
Tgt Ion:252 Resp: 202097

Ion Ratio Lower Upper

252 100

253 28.8 24.5 36.7

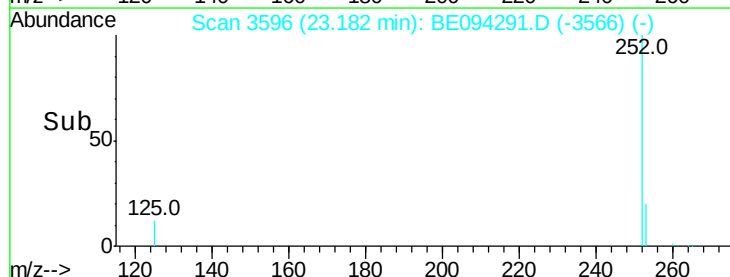
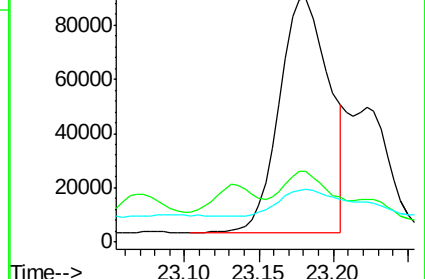
125 21.7 13.7 20.5#

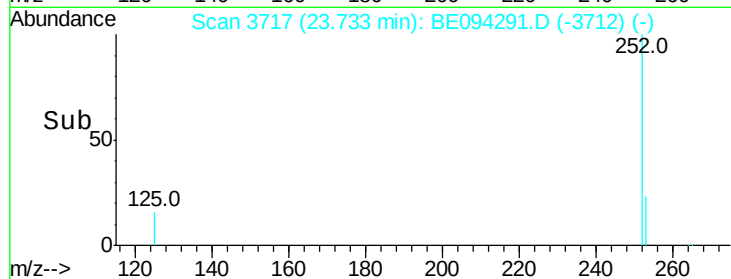
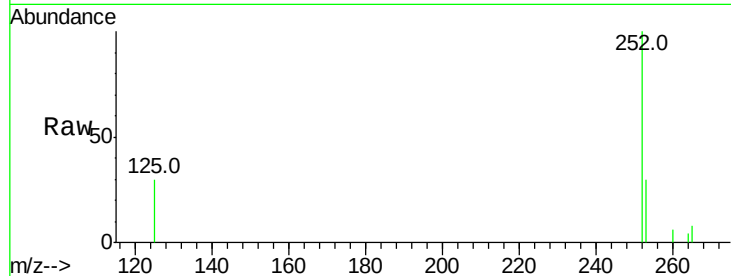
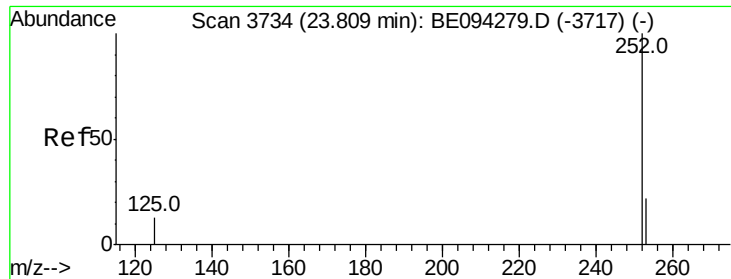


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.094 ng/ul

RT: 23.73 min Scan# 3717

Delta R.T. -0.08 min

Lab File: BE094291.D

Acq: 11 Oct 2017 22:17

Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 140129

Ion Ratio Lower Upper

252 100

253 30.0 28.5 42.7

125 29.8 18.1 27.1#

