

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094339.D
 Acq On : 14 Oct 2017 00:55
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 04:02:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1685	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.71	136	8748	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5176	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10307	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	9932	0.40	ng/ul	0.00
20) Perylene-d12	23.81	264	594198	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	4074	0.30	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	9007	0.26	ng/ul	0.00

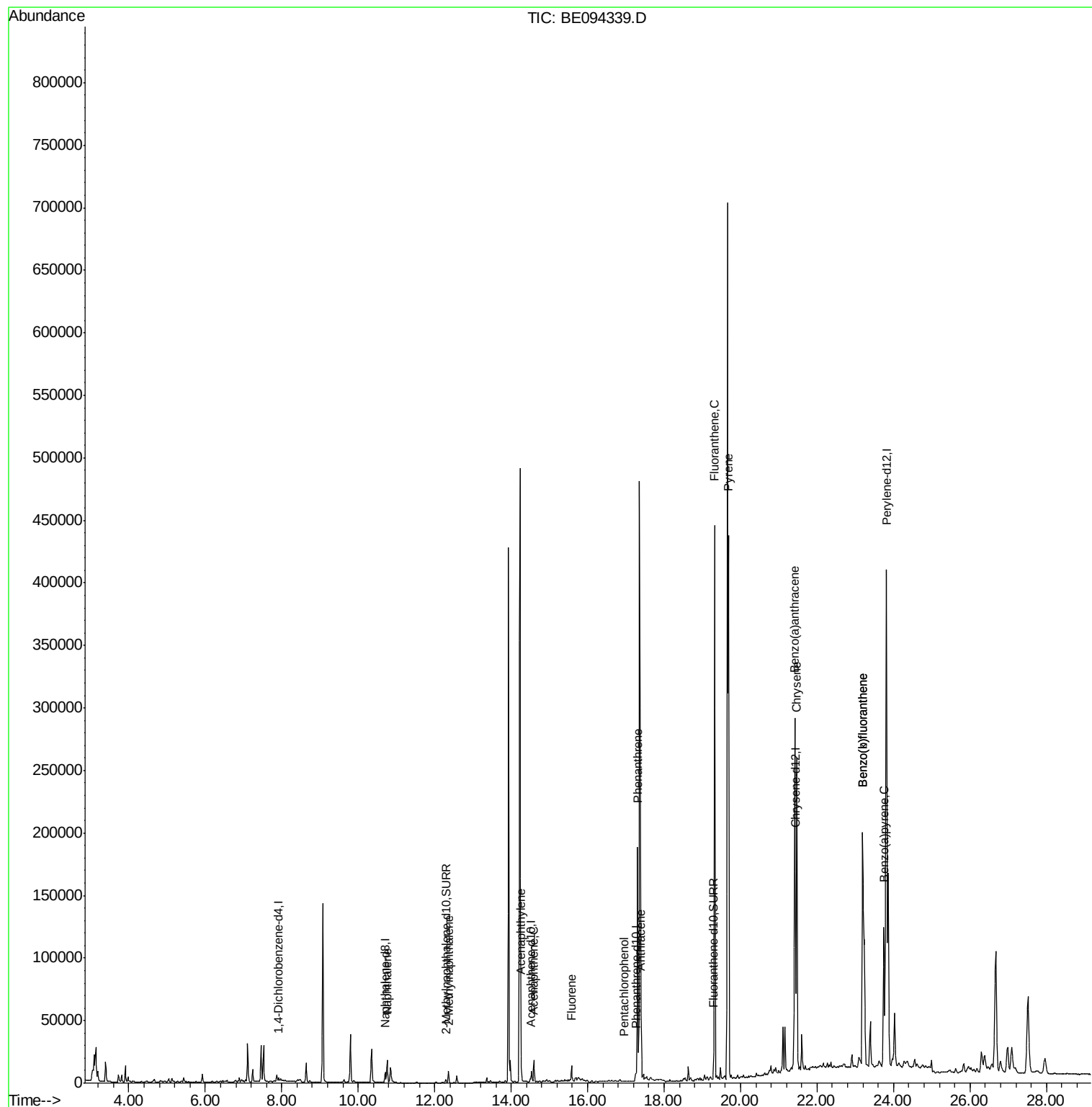
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	27625	1.289	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	8042	0.579	ng/ul	98
7) Acenaphthylene	14.26	152	20354	1.009	ng/ul	97
8) Acenaphthene	14.60	153	11053	0.665	ng/ul	98
9) Fluorene	15.58	166	8750	0.450	ng/ul	94
11) Pentachlorophenol	16.96	266	211	0.174	ng/ul	90
12) Phenanthrene	17.31	178	209568	7.781	ng/ul#	91
13) Anthracene	17.39	178	54337	2.074	ng/ul#	90
15) Fluoranthene	19.32	202	494510	13.973	ng/ul	84
17) Pyrene	19.69	202	469572	16.992	ng/ul#	82
18) Benzo(a)anthracene	21.42	228	263182	9.989	ng/ul#	87
19) Chrysene	21.47	228	262928	8.641	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	338298	0.210	ng/ul	89
22) Benzo(k)fluoranthene	23.20	252	318577	0.171	ng/ul#	91
23) Benzo(a)pyrene	23.75	252	176767	0.105	ng/ul#	87

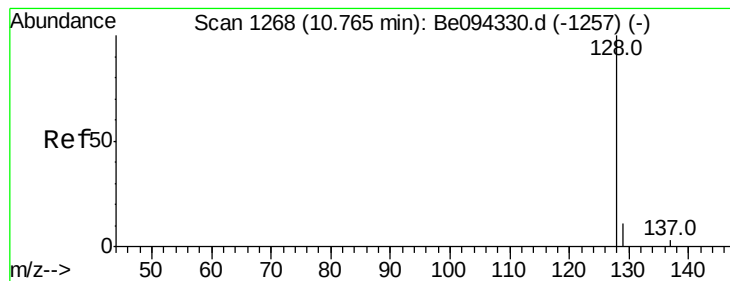
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

Quant Time: Oct 14 04:02:54 2017
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#3

Naphthalene

Concen: 1.289 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

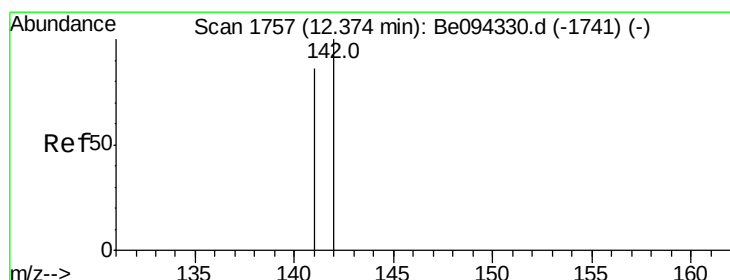
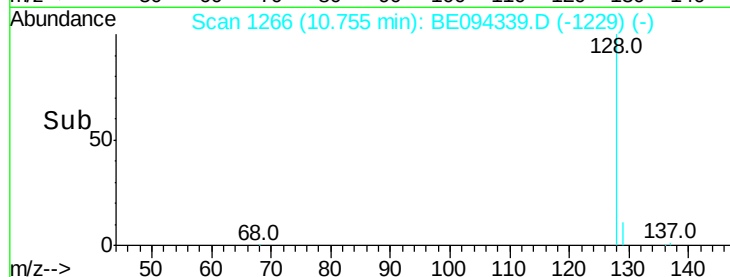
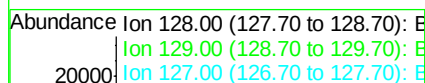
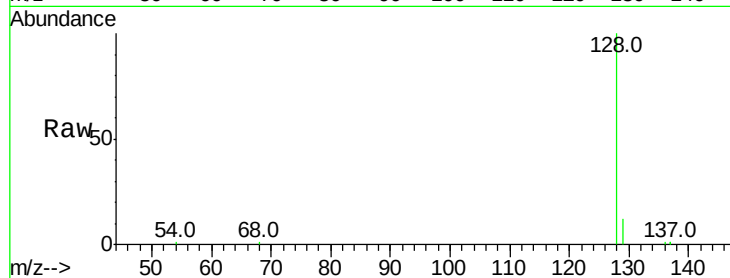
Tot Ion:128 Resp: 27625

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.579 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BE094339.D

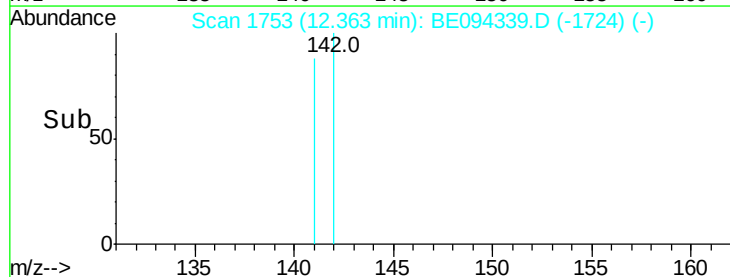
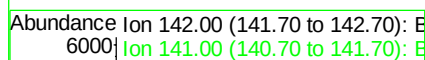
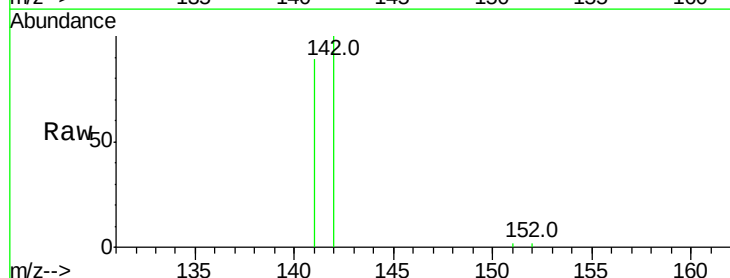
Acq: 14 Oct 2017 00:55

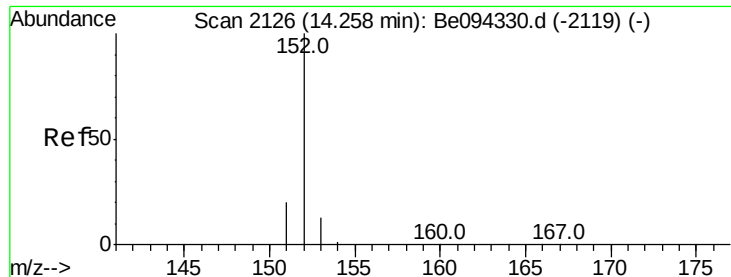
Tgt Ion:142 Resp: 8042

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8





#7

Acenaphthylene

Concen: 1.009 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

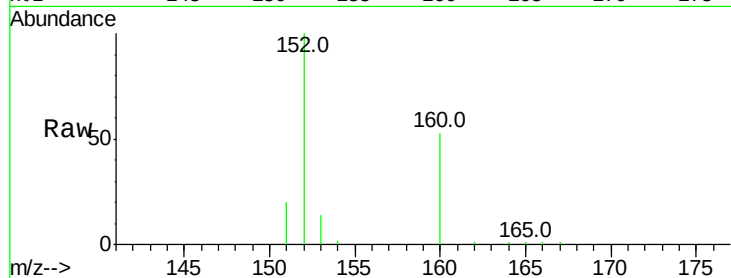
Tot Ion:152 Resp: 20354

Ion Ratio Lower Upper

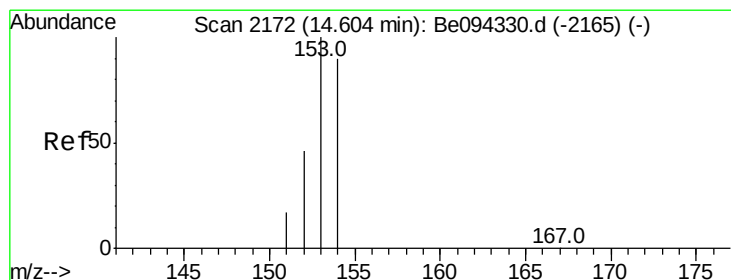
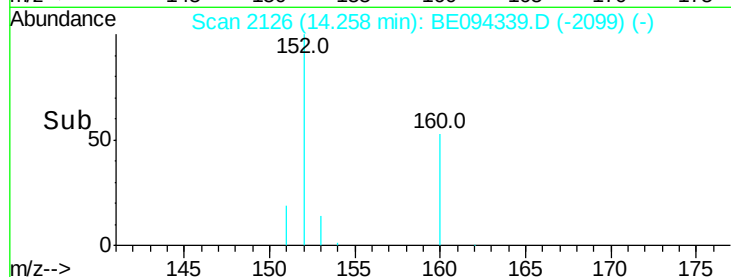
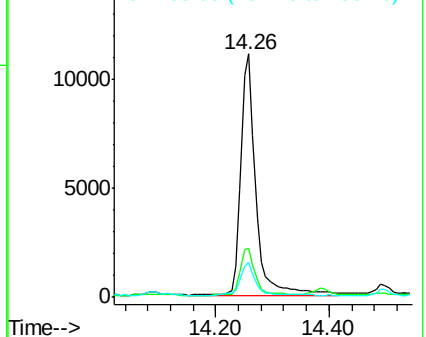
152 100

151 19.9 17.1 25.7

153 14.5 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: 0.665 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

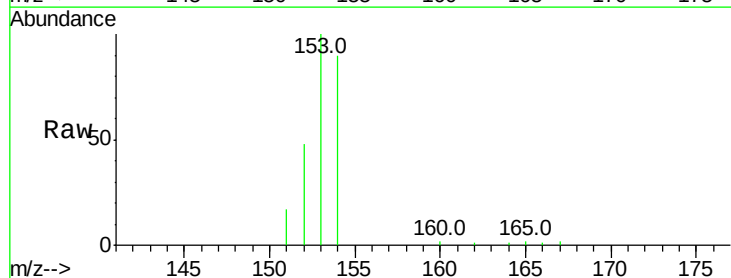
Tgt Ion:153 Resp: 11053

Ion Ratio Lower Upper

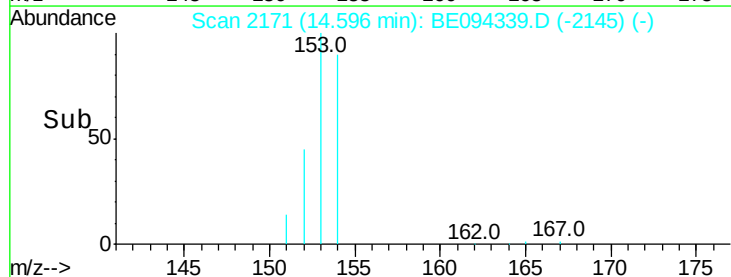
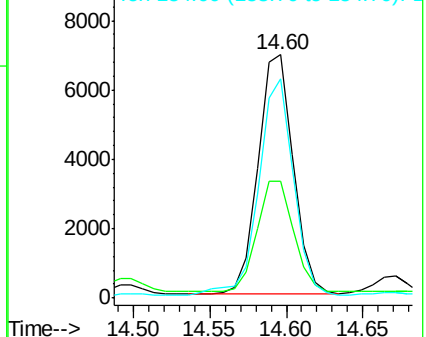
153 100

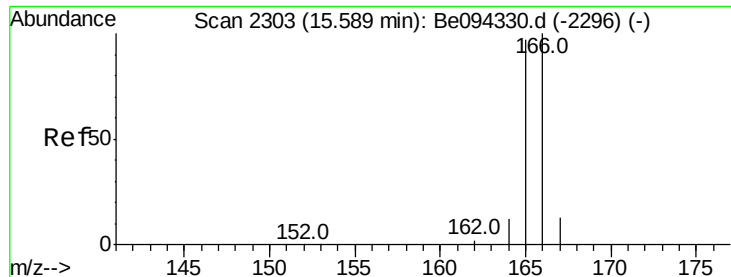
152 48.2 40.3 60.5

154 90.2 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

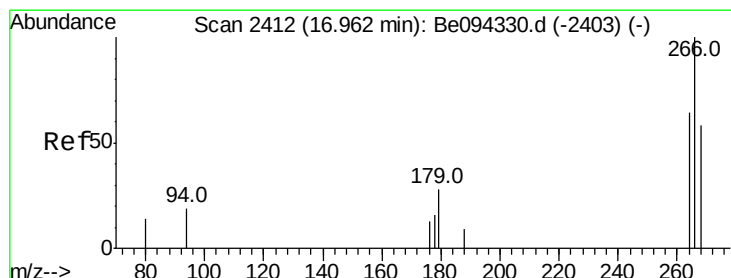
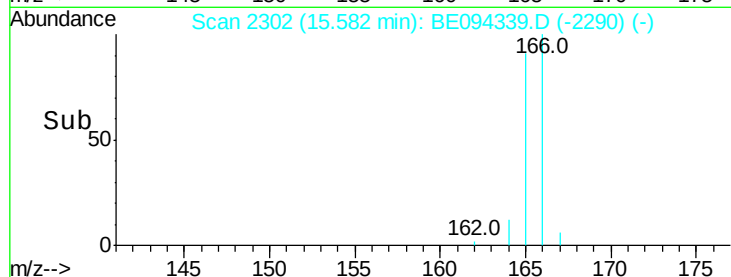
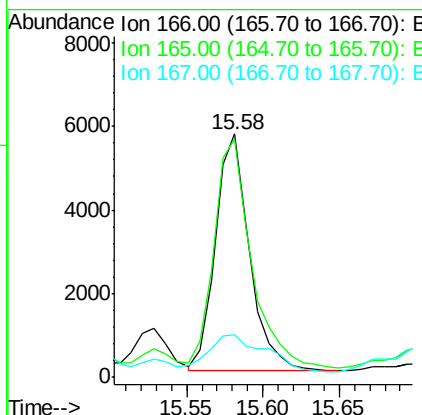
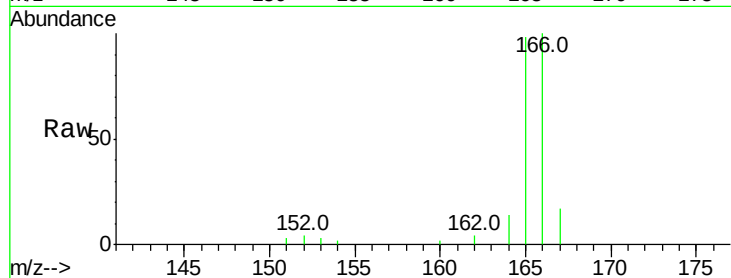




#9
Fluorene
 Concen: 0.450 ng/ul
 RT: 15.58 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BE094339.D
 Acq: 14 Oct 2017 00:55

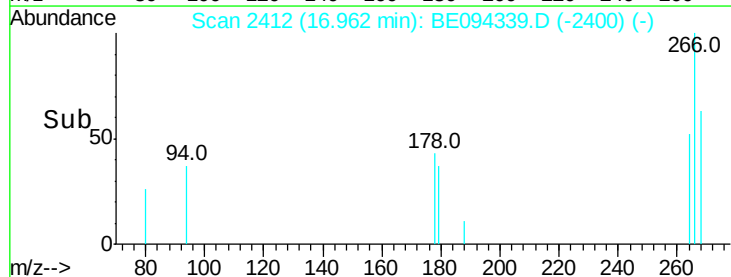
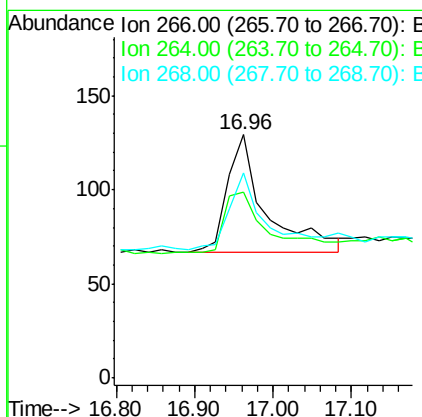
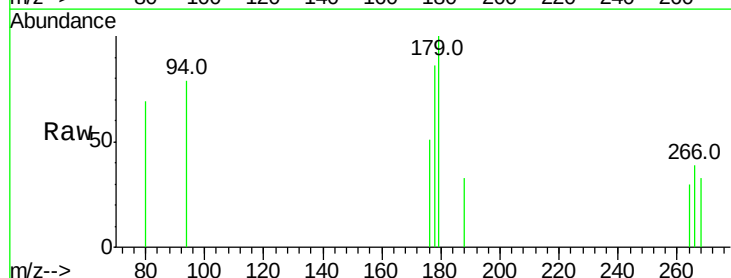
Instrument :
 BNA_E
 ClientSampleId :

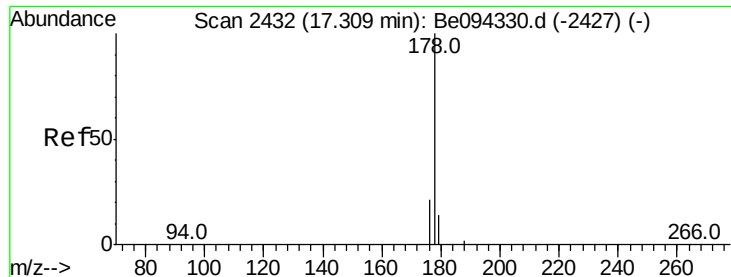
Tot Ion:166 Resp: 8750
 Ion Ratio Lower Upper
 166 100
 165 97.8 73.4 110.2
 167 17.4 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.174 ng/ul
 RT: 16.96 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BE094339.D
 Acq: 14 Oct 2017 00:55

Tgt Ion:266 Resp: 211
 Ion Ratio Lower Upper
 266 100
 264 65.4 47.9 71.9
 268 72.5 49.8 74.8





#12

Phenanthrene

Concen: 7.781 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

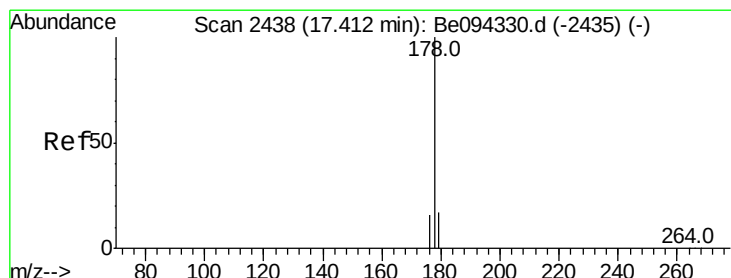
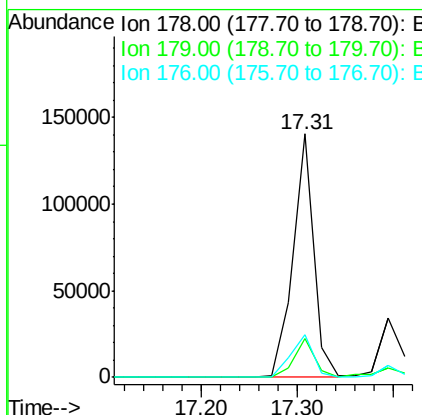
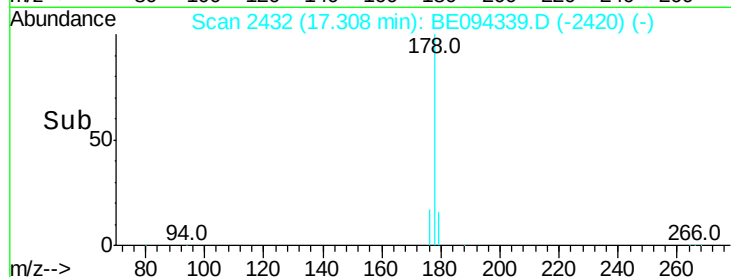
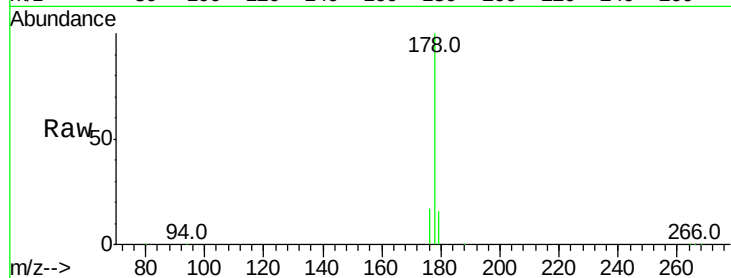
Tot Ion:178 Resp: 209568

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

176 17.5 13.6 20.4



#13

Anthracene

Concen: 2.074 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

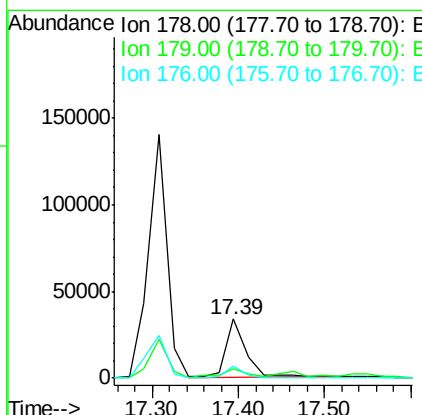
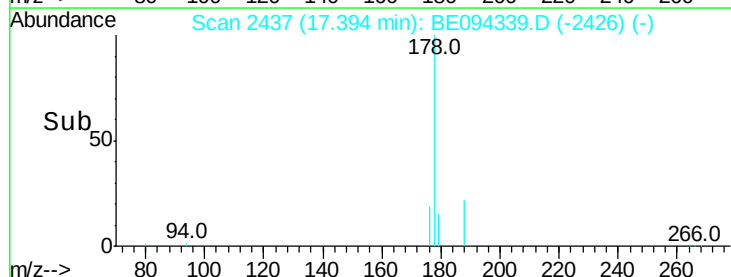
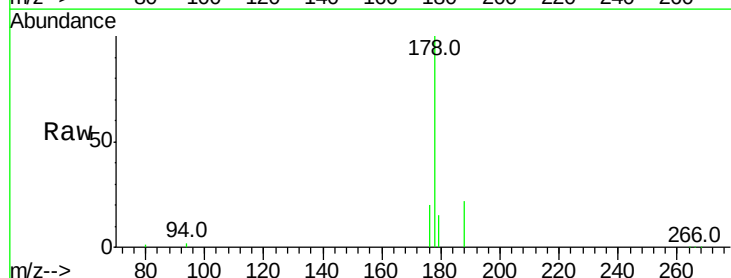
Tgt Ion:178 Resp: 54337

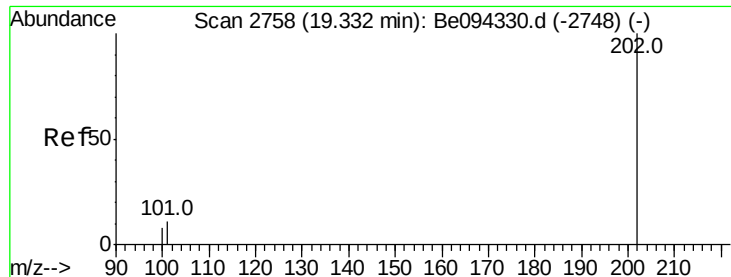
Ion Ratio Lower Upper

178 100

179 15.3 18.1 27.1#

176 19.9 14.7 22.1





#15

Fluoranthene

Concen: 13.973 ng/ul

RT: 19.32 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

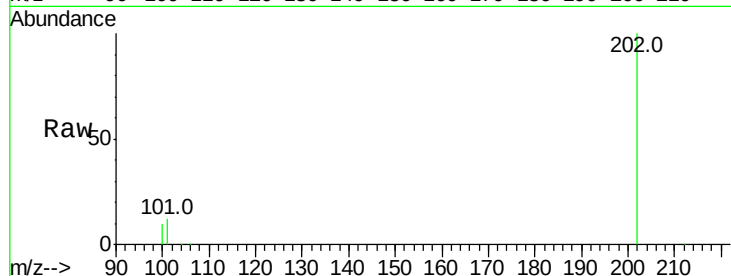
Tot Ion:202 Resp: 494510

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.3

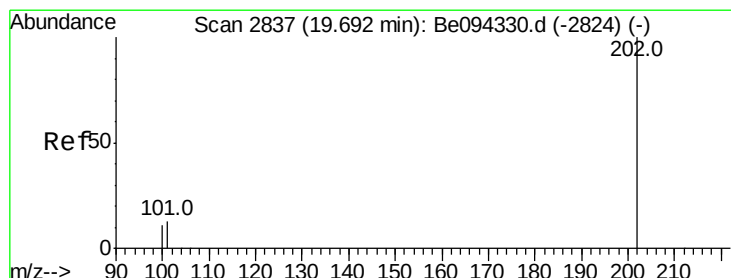
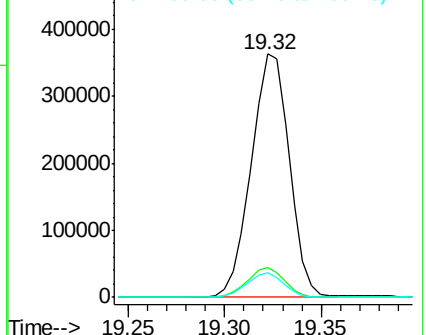
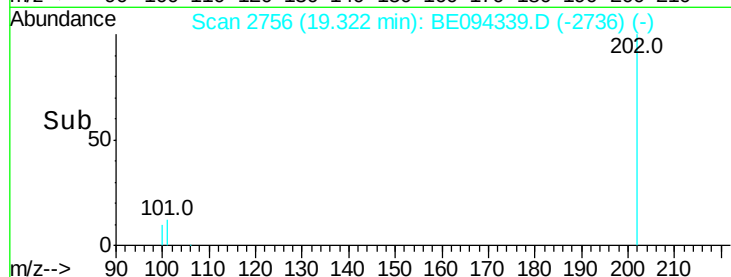
100 10.0 0.0 39.5



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: 16.992 ng/ul

RT: 19.69 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

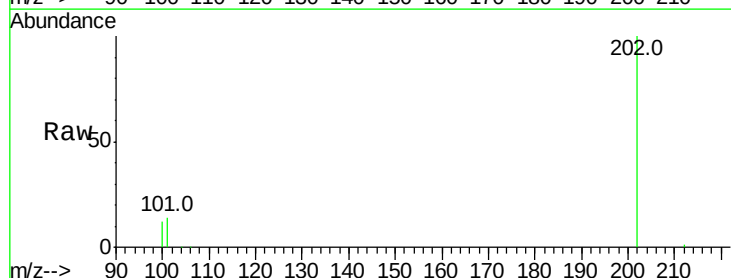
Tgt Ion:202 Resp: 469572

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

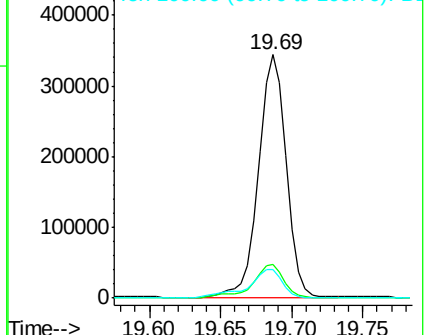
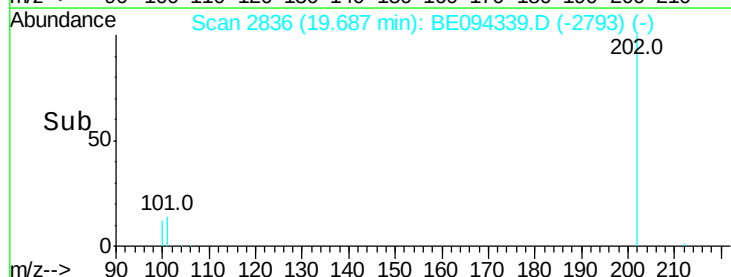
100 11.8 15.6 23.4#

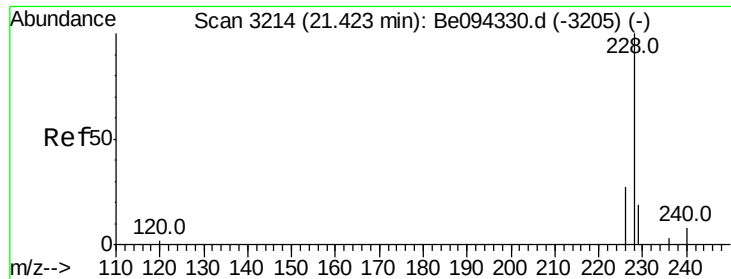


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 9.989 ng/ul

RT: 21.42 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

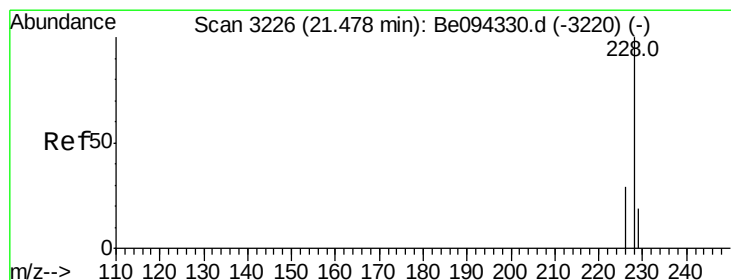
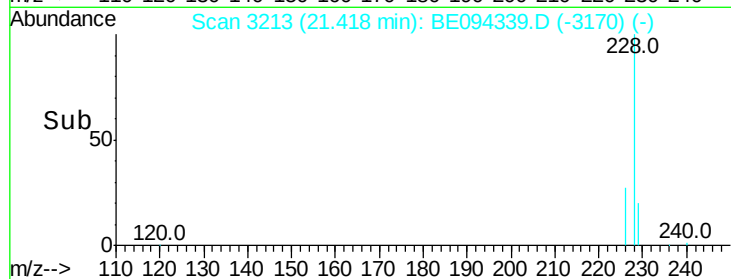
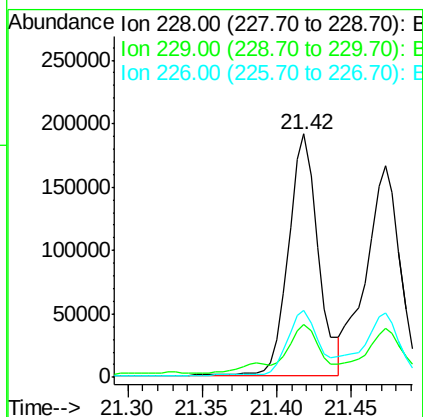
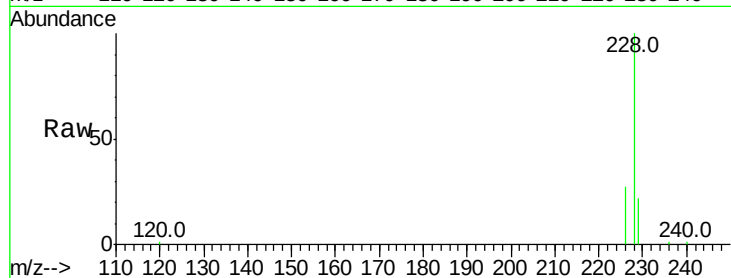
Tot Ion:228 Resp: 263182

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

226 27.5 17.0 25.6#



#19

Chrysene

Concen: 8.641 ng/ul

RT: 21.47 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

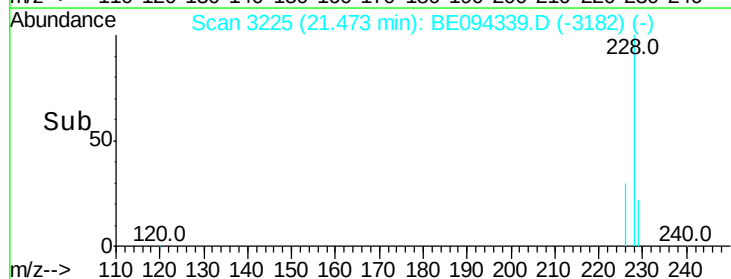
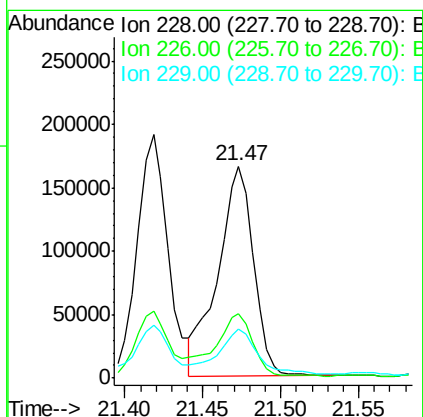
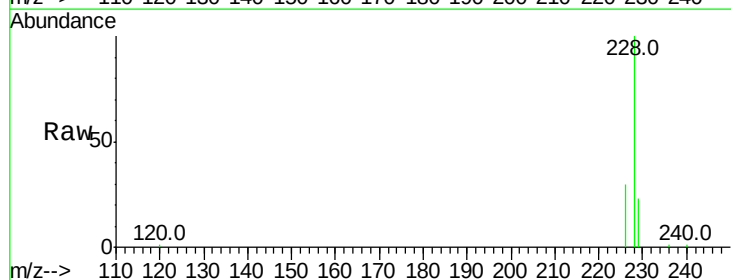
Tgt Ion:228 Resp: 262928

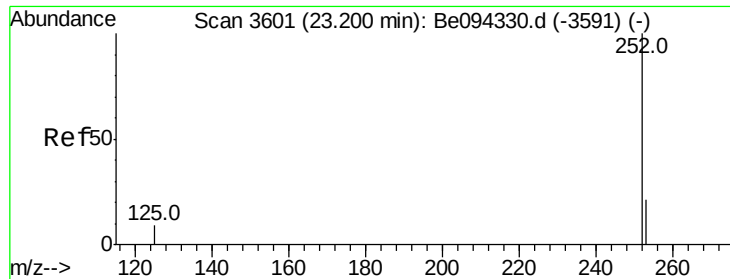
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 22.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.210 ng/ul

RT: 23.20 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :

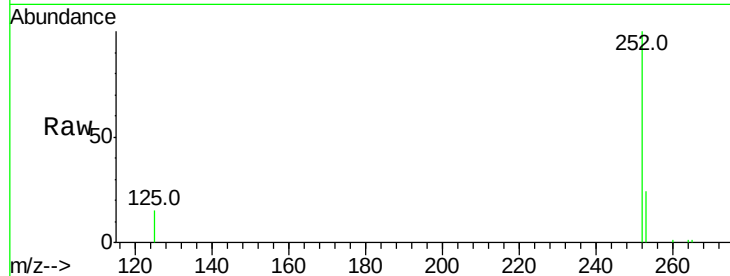
Tot Ion:252 Resp: 338298

Ion Ratio Lower Upper

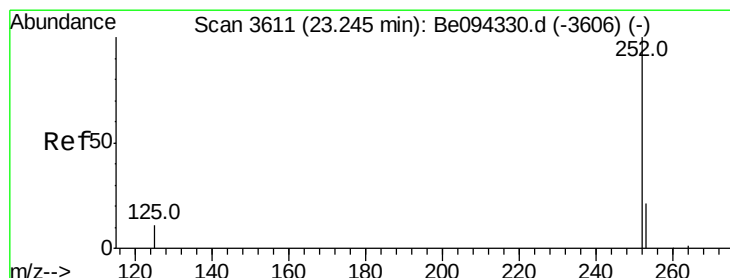
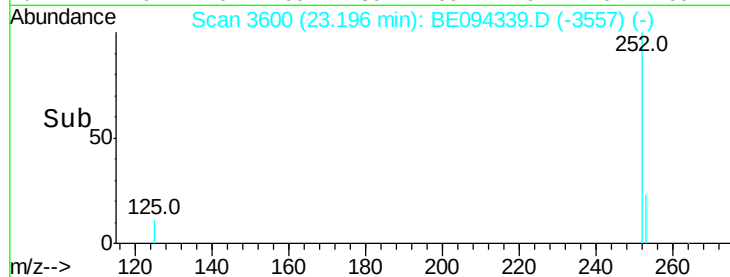
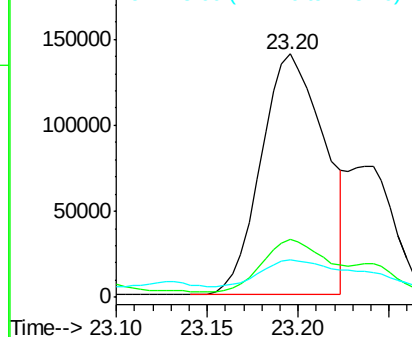
252 100

253 23.8 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: 0.171 ng/ul

RT: 23.20 min Scan# 3600

Delta R.T. -0.05 min

Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

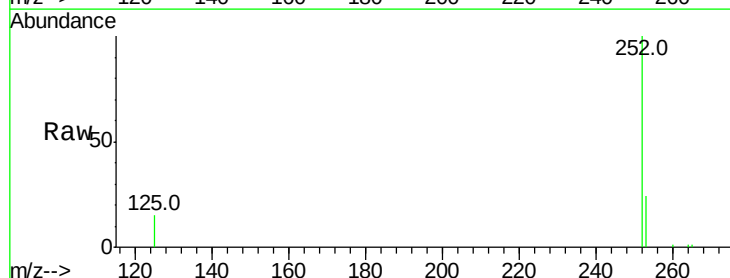
Tgt Ion:252 Resp: 318577

Ion Ratio Lower Upper

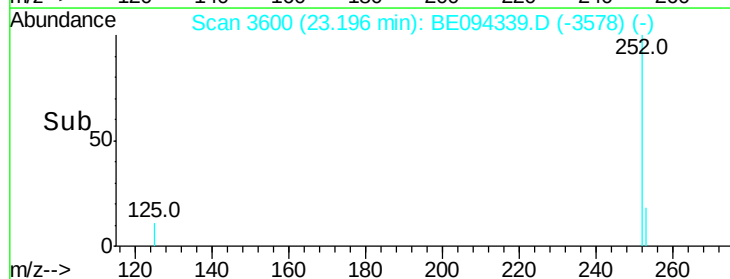
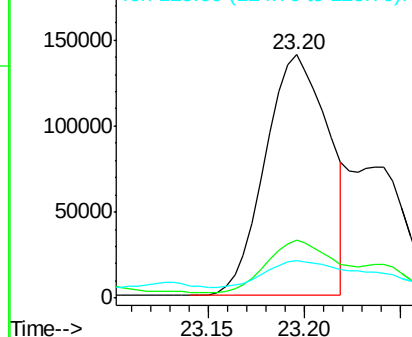
252 100

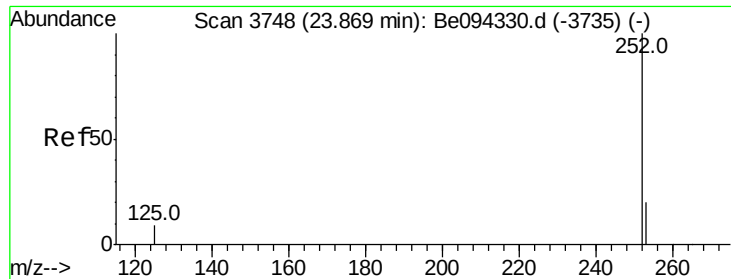
253 23.8 24.5 36.7#

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: 0.105 ng/ul

RT: 23.75 min Scan# 3722

Delta R.T. -0.12 min

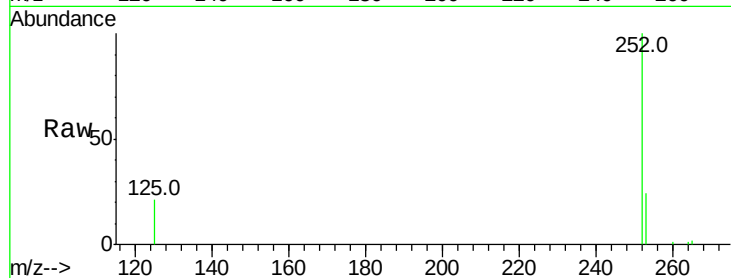
Lab File: BE094339.D

Acq: 14 Oct 2017 00:55

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	252	Resp:	176767
Ion	Ratio	Lower	Upper
252	100		
253	24.4	28.5	42.7#
125	21.4	18.1	27.1

