

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094374.D
 Acq On : 15 Oct 2017 2:44
 Operator : SJ/JU
 Sample : I5548-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 05:09:35 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 05:09:03 2017
 Response via : Initial Calibration

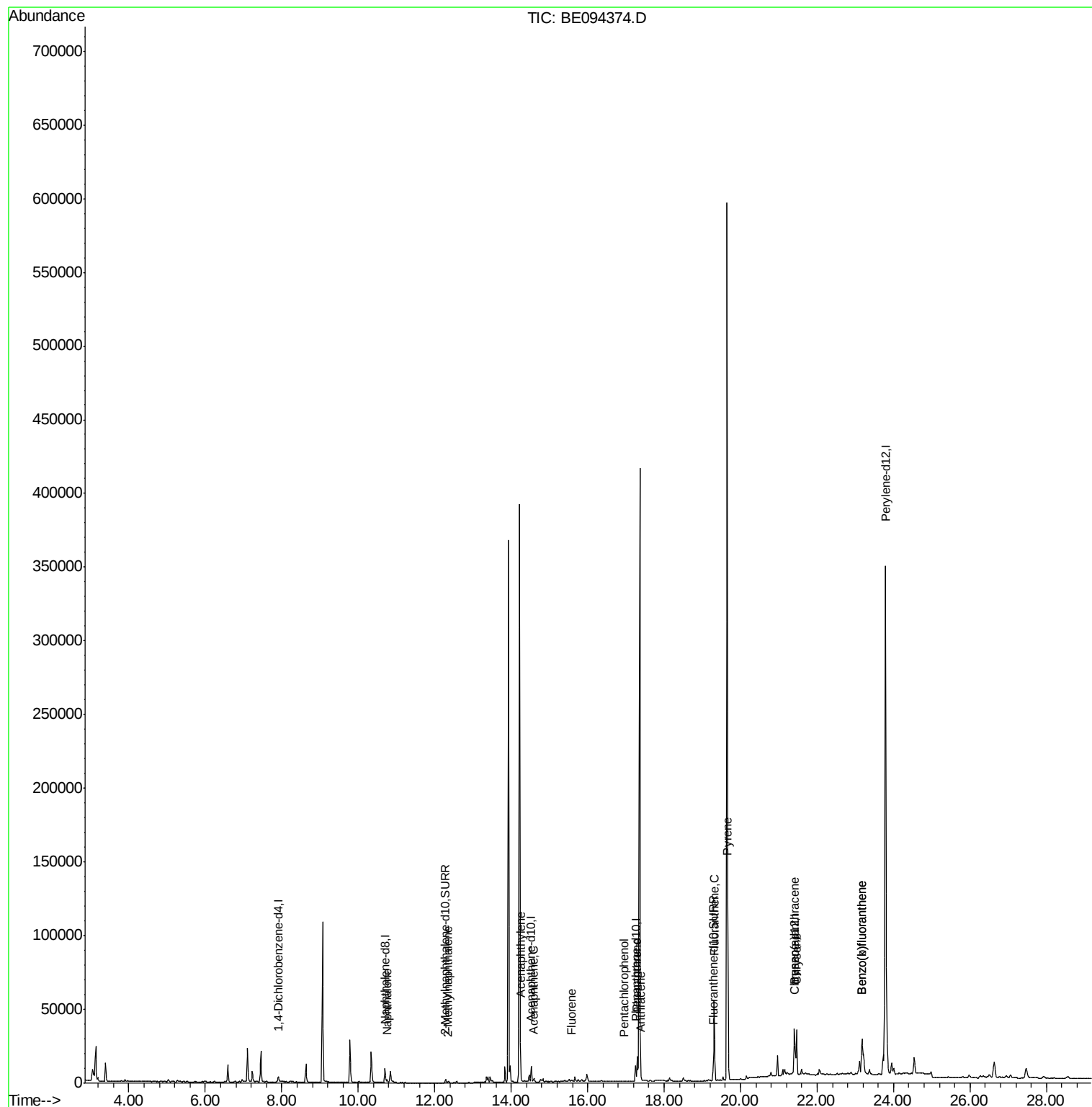
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1835	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10209	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6069	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12971	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	12060	0.40	ng/ul	0.00
20) Perylene-d12	23.79	264	501404	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3144	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	7870	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1132	0.045	ng/ul#	77
5) 2-Methylnaphthalene	12.35	142	923	0.057	ng/ul	98
7) Acenaphthylene	14.25	152	1068	0.045	ng/ul#	81
8) Acenaphthene	14.59	153	703	0.036	ng/ul#	92
9) Fluorene	15.57	166	668	0.029	ng/ul#	77
11) Pentachlorophenol	16.96	266	77	0.051	ng/ul#	69
12) Phenanthrene	17.29	178	20280	0.598	ng/ul#	87
13) Anthracene	17.39	178	2997	0.091	ng/ul#	90
15) Fluoranthene	19.31	202	60042	1.348	ng/ul	84
17) Pyrene	19.67	202	53527	1.595	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	26032	0.814	ng/ul#	92
19) Chrysene	21.46	228	31763	0.860	ng/ul#	93
21) Benzo(b)fluoranthene	23.18	252	39049	0.029	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	39049	0.025	ng/ul	93

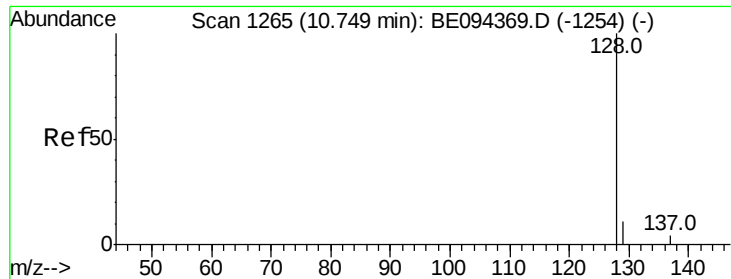
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.045 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

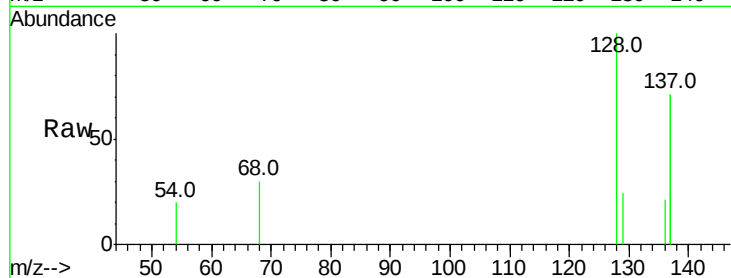
Tot Ion:128 Resp: 1132

Ion Ratio Lower Upper

128 100

129 24.4 11.3 16.9#

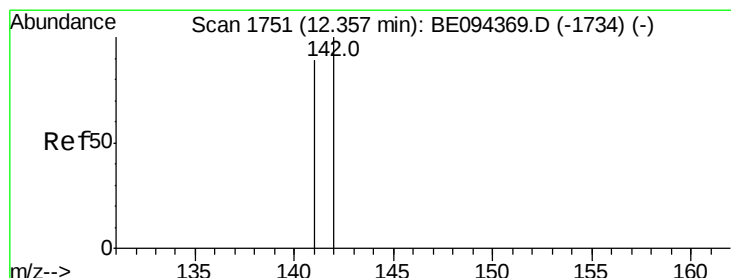
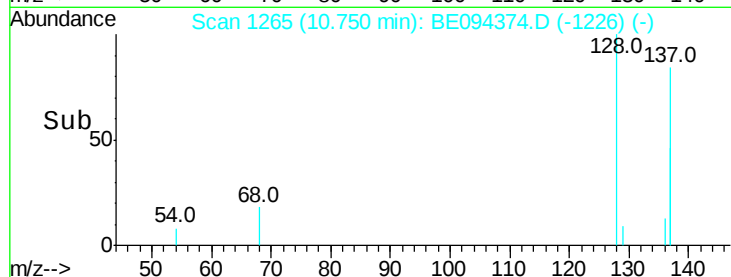
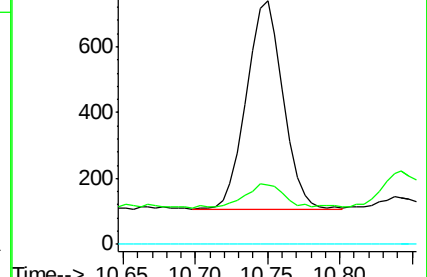
127 0.0 4.0 6.0#



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: 0.057 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.00 min

Lab File: BE094374.D

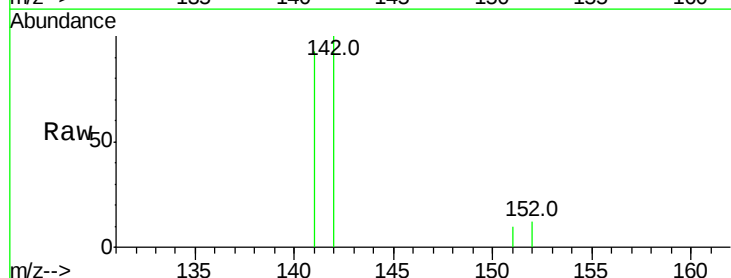
Acq: 15 Oct 2017 2:44

Tgt Ion:142 Resp: 923

Ion Ratio Lower Upper

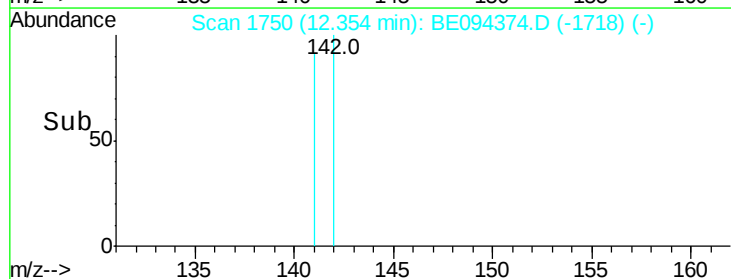
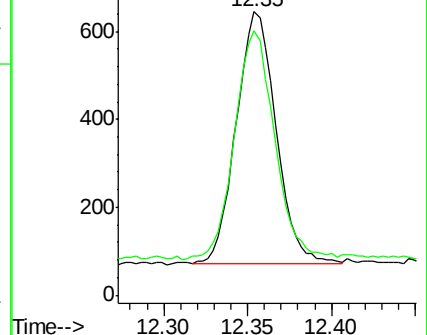
142 100

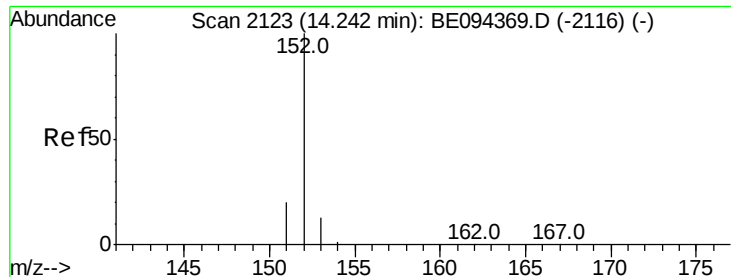
141 92.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.045 ng/ul

RT: 14.25 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

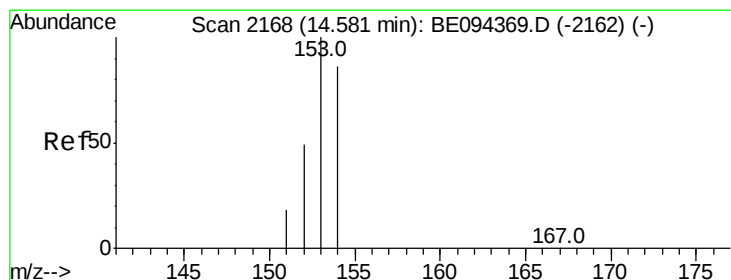
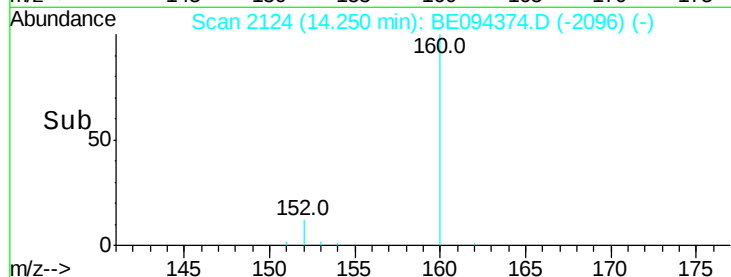
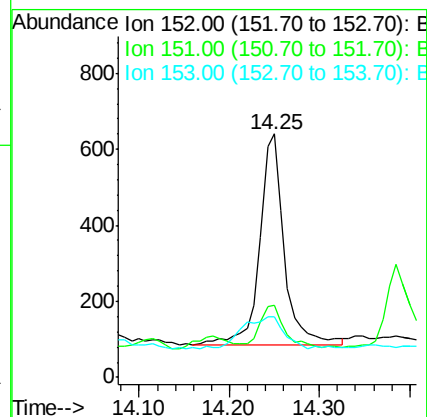
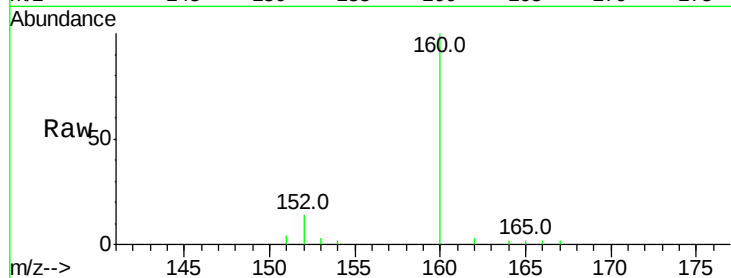
Tot Ion:152 Resp: 1068

Ion Ratio Lower Upper

152 100

151 29.5 17.1 25.7#

153 25.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

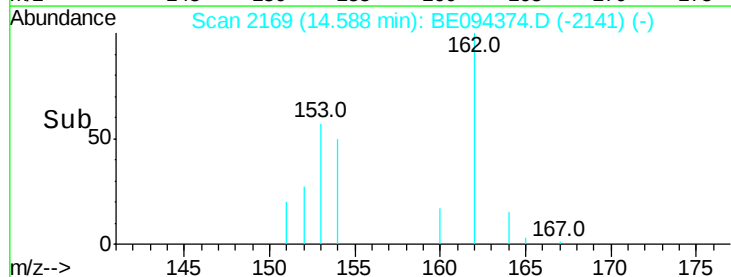
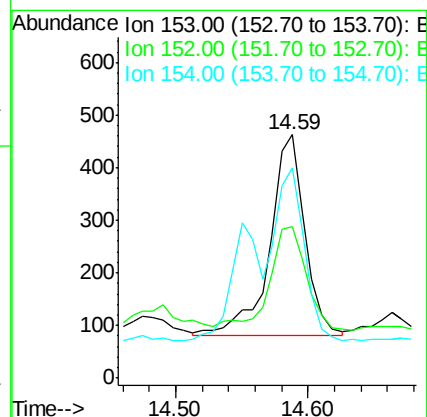
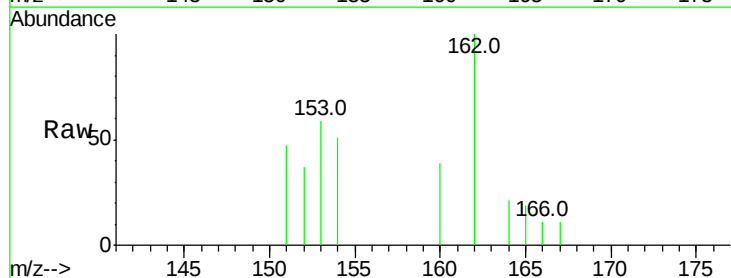
Tgt Ion:153 Resp: 703

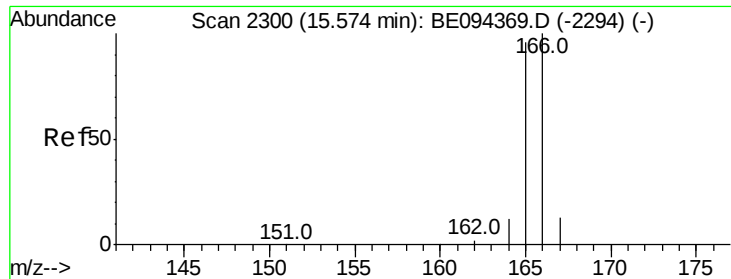
Ion Ratio Lower Upper

153 100

152 62.4 40.3 60.5#

154 86.2 71.4 107.2





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

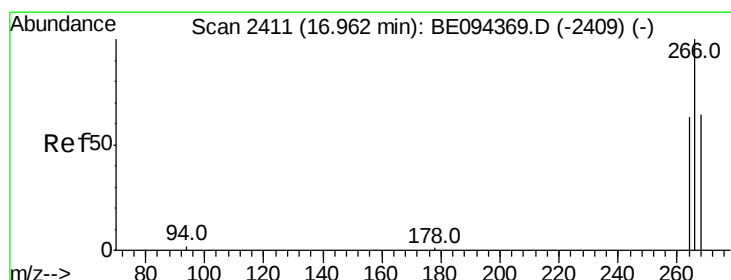
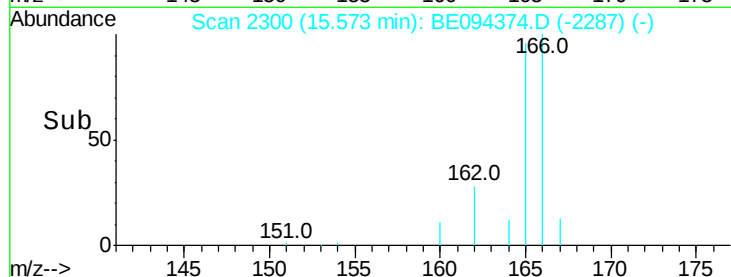
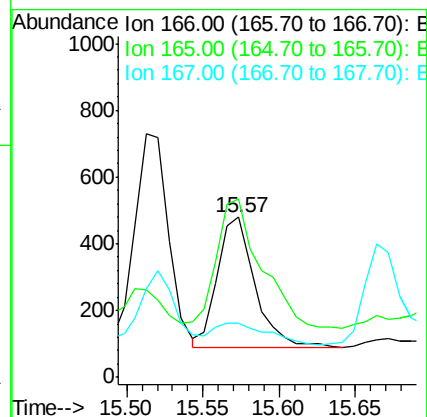
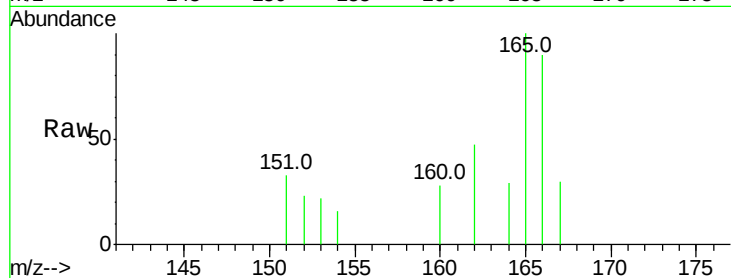
Tot Ion:166 Resp: 668

Ion Ratio Lower Upper

166 100

165 111.7 73.4 110.2#

167 34.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.051 ng/ul

RT: 16.96 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

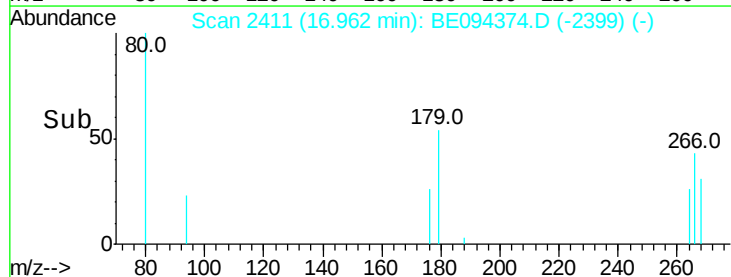
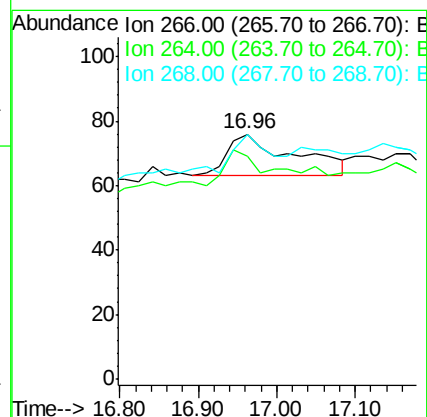
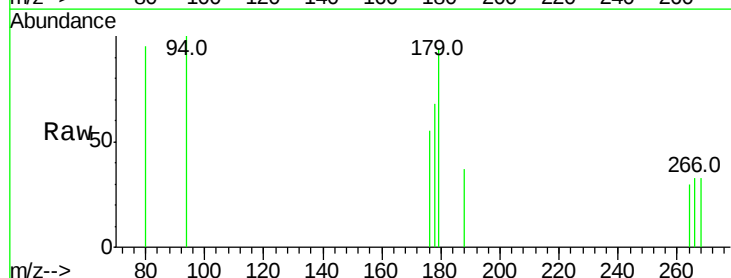
Tgt Ion:266 Resp: 77

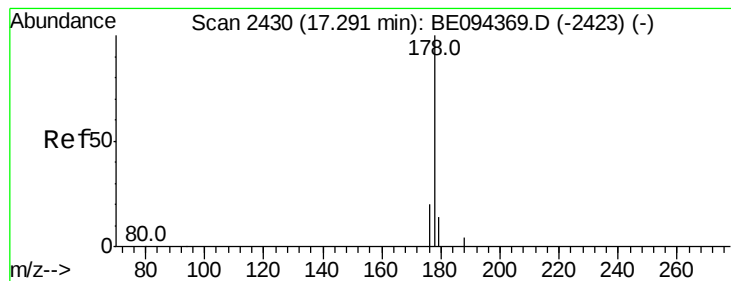
Ion Ratio Lower Upper

266 100

264 98.7 47.9 71.9#

268 71.4 49.8 74.8





#12

Phenanthrene

Concen: 0.598 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

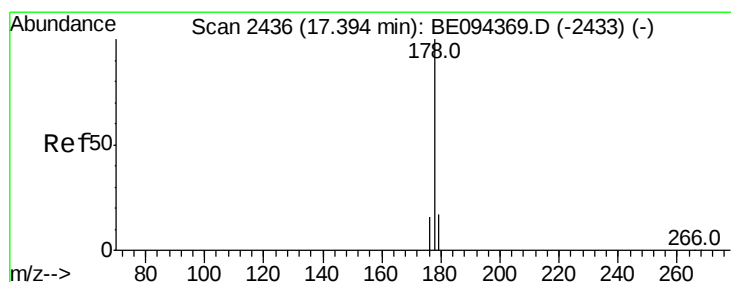
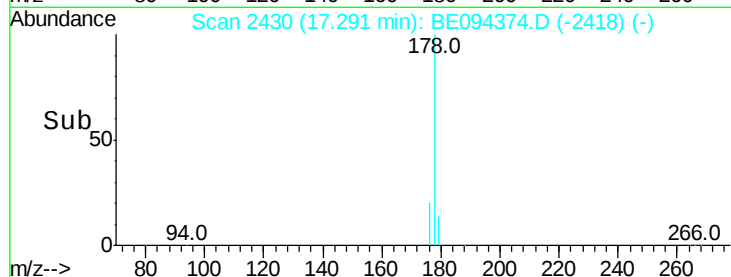
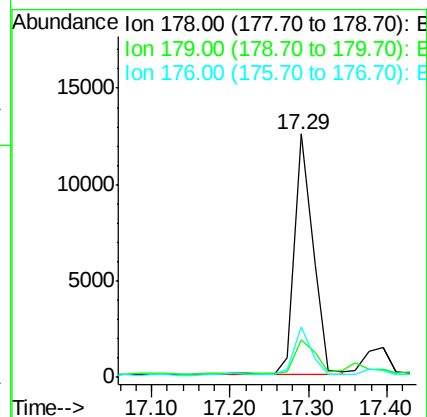
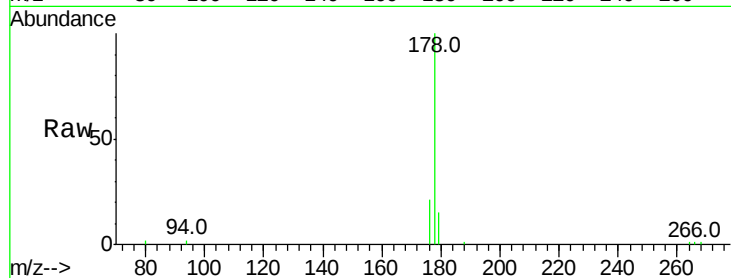
Tot Ion:178 Resp: 20280

Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 20.8 13.6 20.4#



#13

Anthracene

Concen: 0.091 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

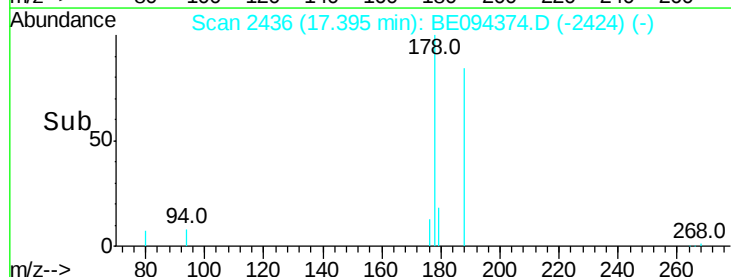
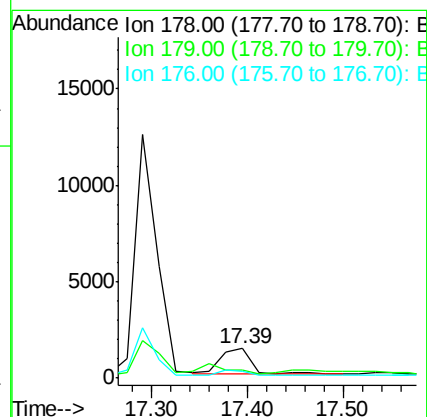
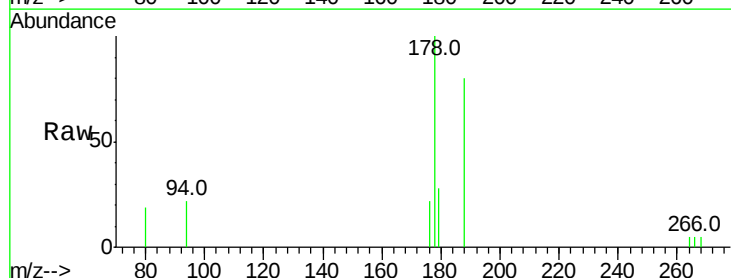
Tgt Ion:178 Resp: 2997

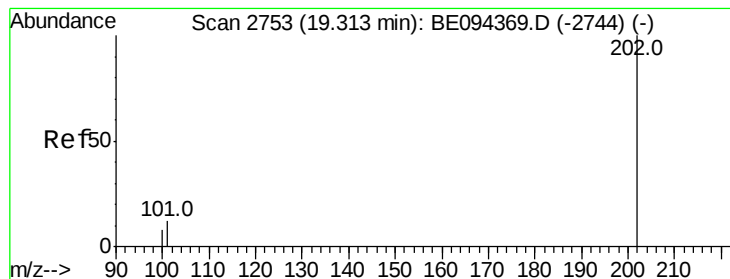
Ion Ratio Lower Upper

178 100

179 28.2 18.1 27.1#

176 21.8 14.7 22.1





#15

Fluoranthene

Concen: 1.348 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

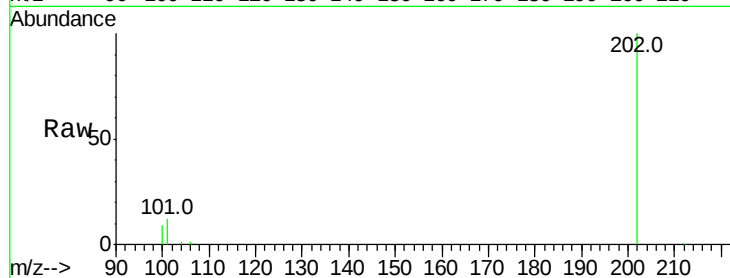
Tot Ion:202 Resp: 60042

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

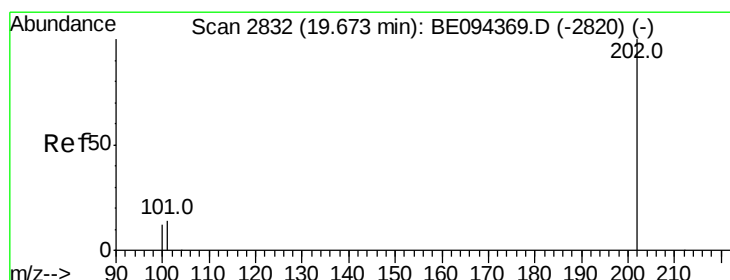
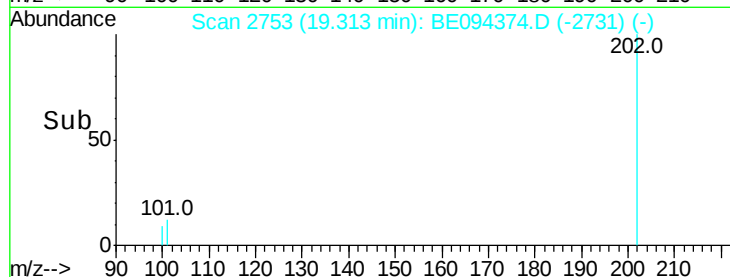
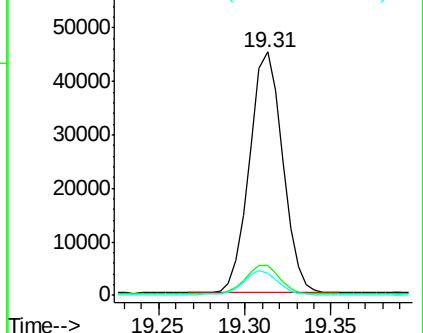
100 9.3 0.0 39.5



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: 1.595 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

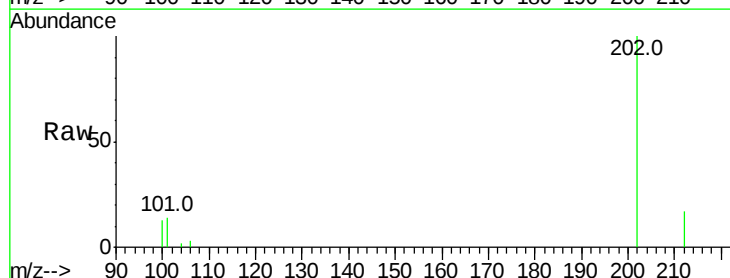
Tgt Ion:202 Resp: 53527

Ion Ratio Lower Upper

202 100

101 14.4 18.2 27.4#

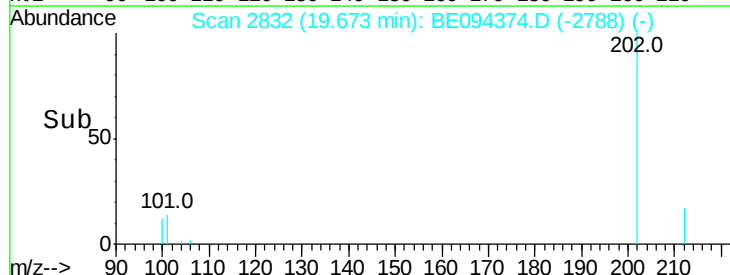
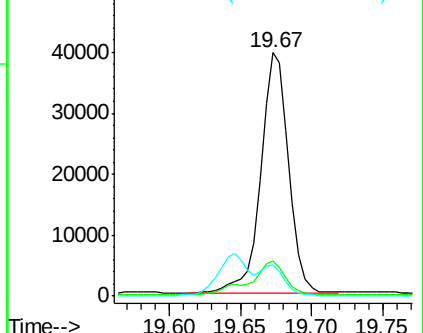
100 12.5 15.6 23.4#

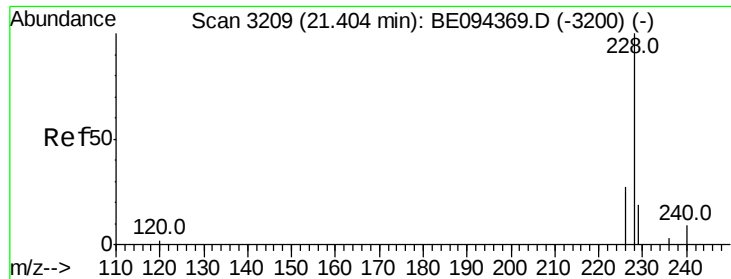


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.814 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

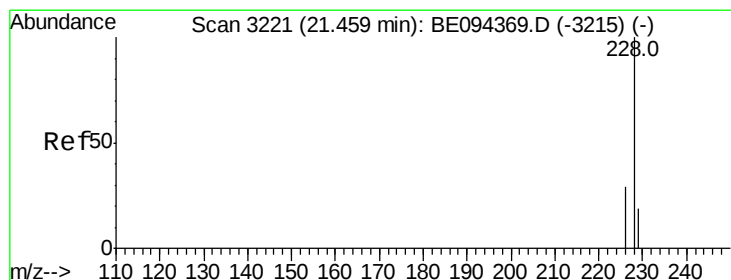
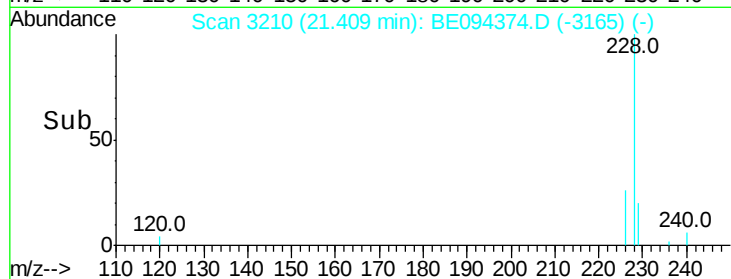
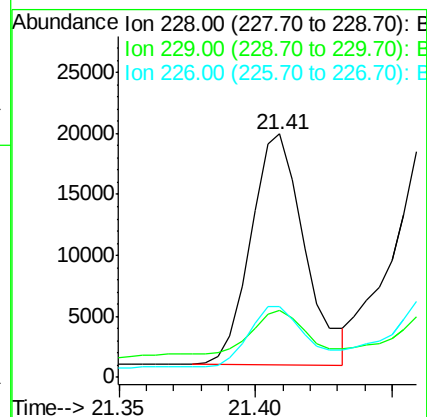
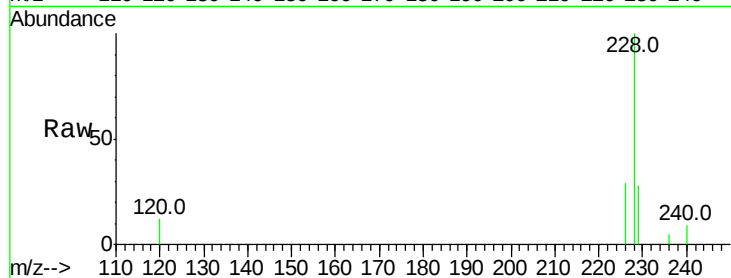
Tot Ion:228 Resp: 26032

Ion Ratio Lower Upper

228 100

229 27.6 22.8 34.2

226 29.0 17.0 25.6#



#19

Chrysene

Concen: 0.860 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

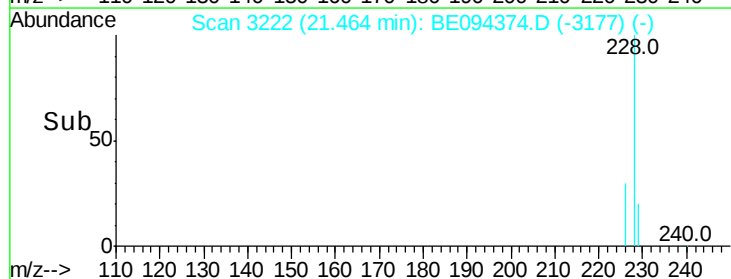
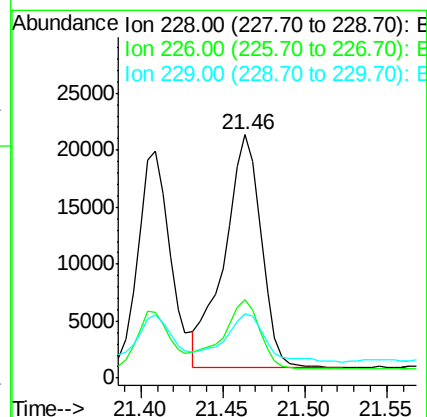
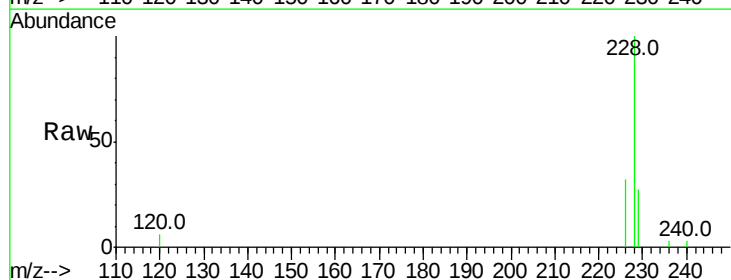
Tgt Ion:228 Resp: 31763

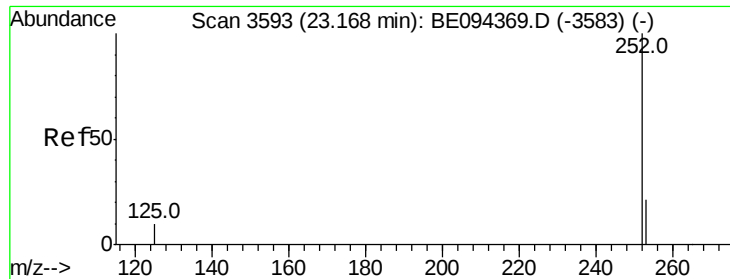
Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

229 26.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.029 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. 0.01 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

Instrument :

BNA_E

ClientSampleId :

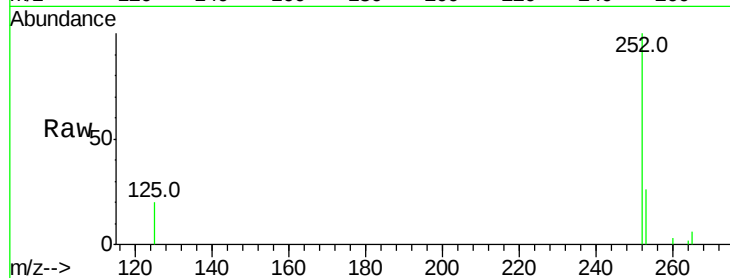
Tot Ion:252 Resp: 39049

Ion Ratio Lower Upper

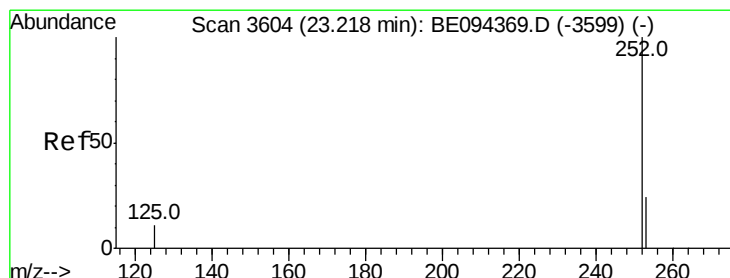
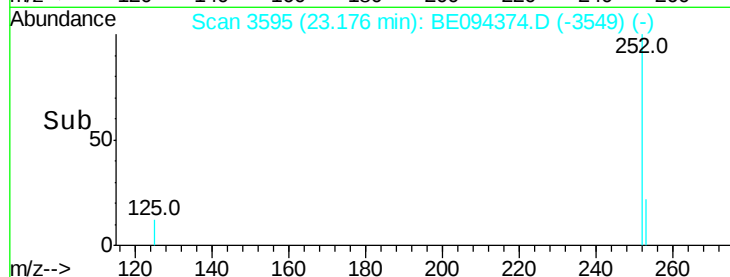
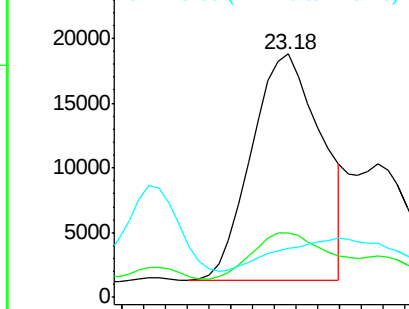
252 100

253 26.5 0.0 64.2

125 20.2 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: 0.025 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.04 min

Lab File: BE094374.D

Acq: 15 Oct 2017 2:44

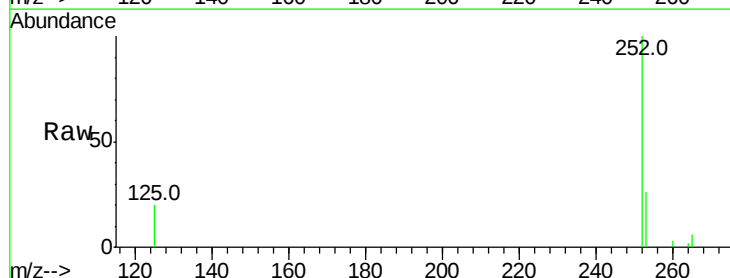
Tgt Ion:252 Resp: 39049

Ion Ratio Lower Upper

252 100

253 26.5 24.5 36.7

125 20.2 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

