

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094239.D
 Acq On : 10 Oct 2017 2:22
 Operator : SJ/JU
 Sample : I5522-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:52:04 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 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2699	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13536	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8041	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	16996	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	16199	0.40	ng/ul	0.00
20) Perylene-d12	23.76	264	695838	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	4030	0.19	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	9651	0.17	ng/ul	-0.01

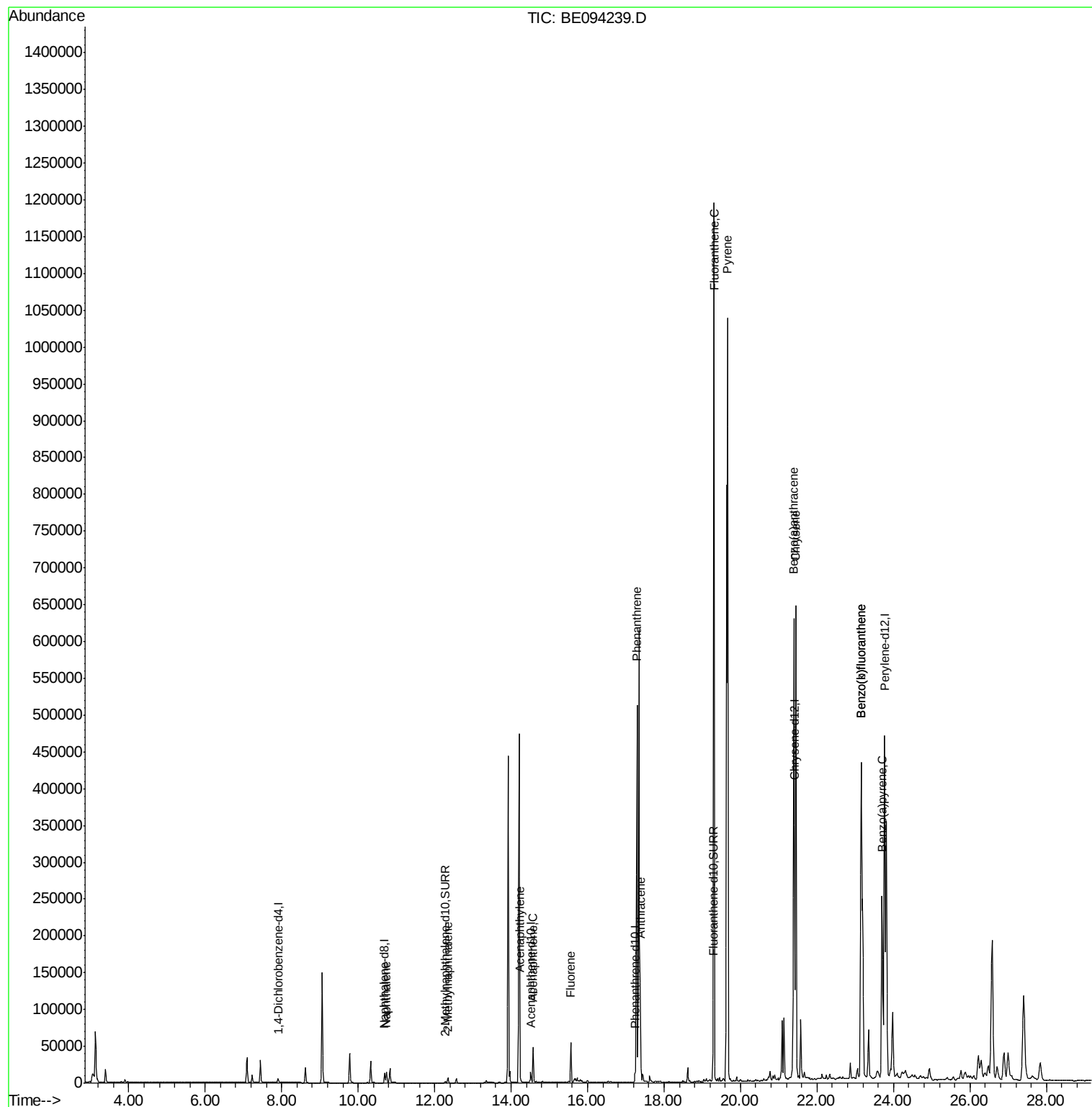
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	21423	0.65	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	7050	0.33	ng/ul	98
7) Acenaphthylene	14.24	152	5464	0.17	ng/ul	99
8) Acenaphthene	14.57	153	28619	1.11	ng/ul	97
9) Fluorene	15.56	166	35626	1.18	ng/ul#	92
12) Phenanthrene	17.29	178	642730	14.47	ng/ul#	92
13) Anthracene	17.38	178	149321	3.46	ng/ul#	92
15) Fluoranthene	19.30	202	1359167	23.29	ng/ul	84
17) Pyrene	19.66	202	1124440	24.95	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	601695	14.00	ng/ul#	86
19) Chrysene	21.45	228	651424	13.13	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	718719	0.38	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	718719	0.33	ng/ul#	87
23) Benzo(a)pyrene	23.70	252	381306	0.19	ng/ul#	82

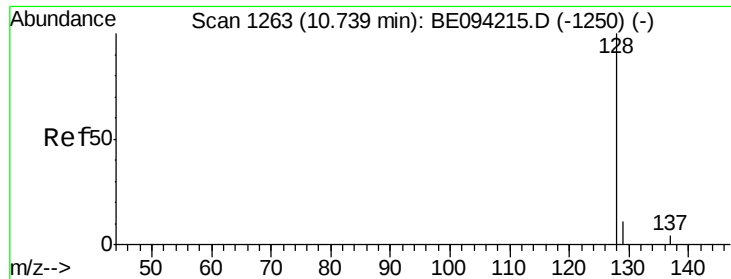
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.65 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Instrument :

BNA_E

ClientSampleId :

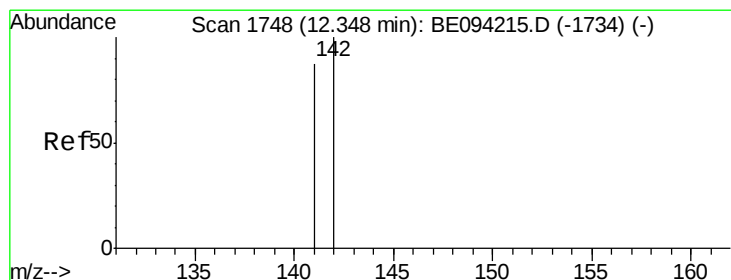
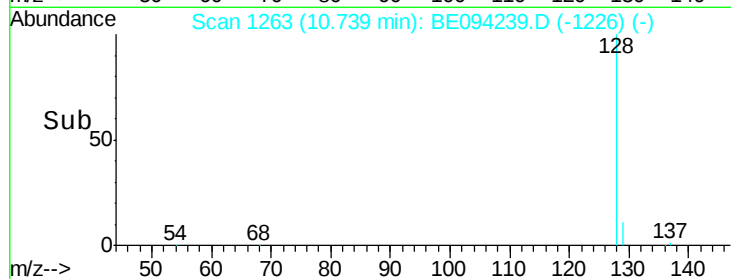
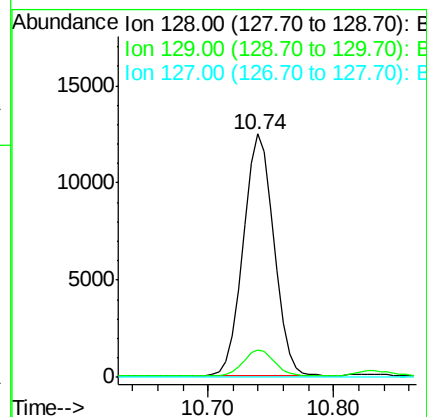
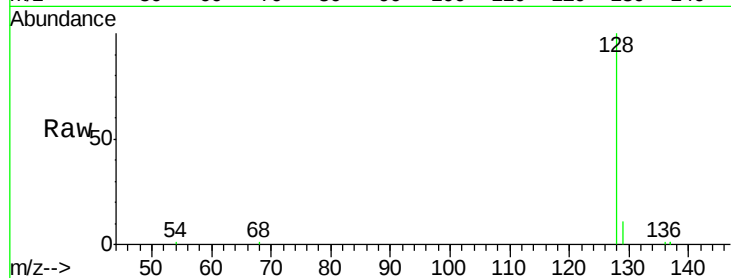
Tot Ion:128 Resp: 21423

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.33 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094239.D

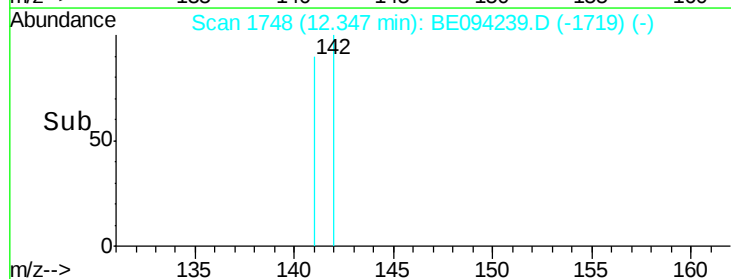
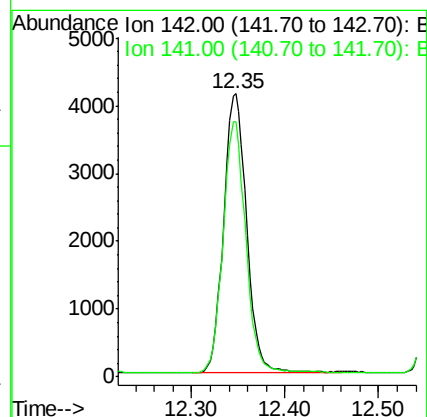
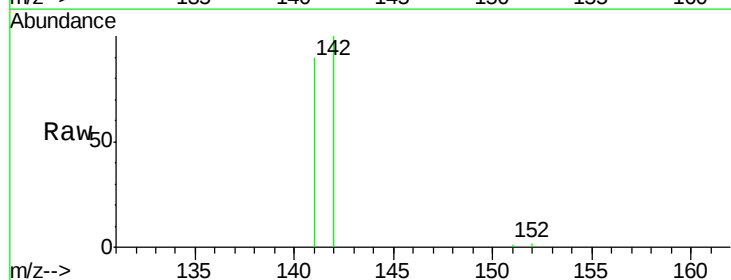
Acq: 10 Oct 2017 2:22

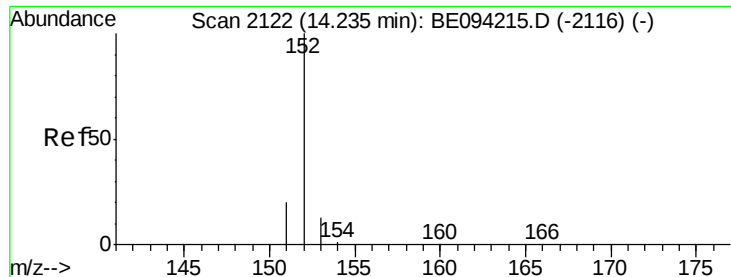
Tgt Ion:142 Resp: 7050

Ion Ratio Lower Upper

142 100

141 88.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.17 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Instrument :

BNA_E

ClientSampleId :

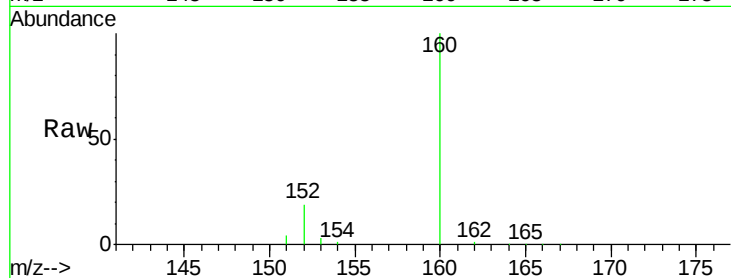
Tot Ion:152 Resp: 5464

Ion Ratio Lower Upper

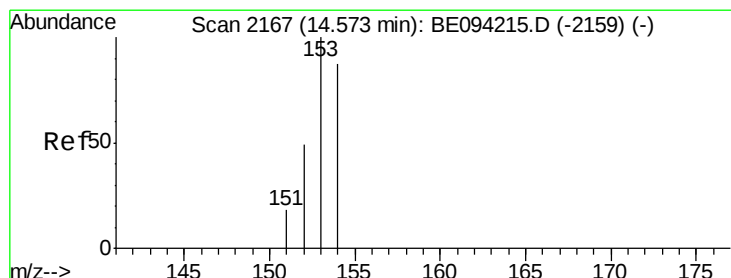
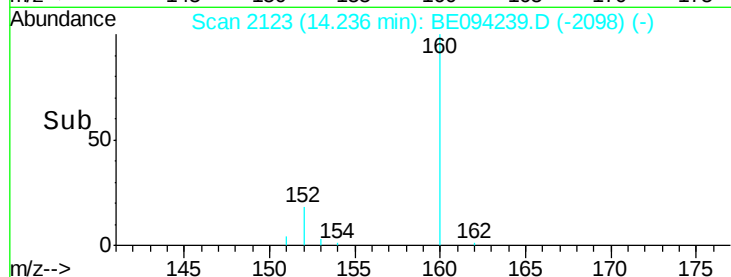
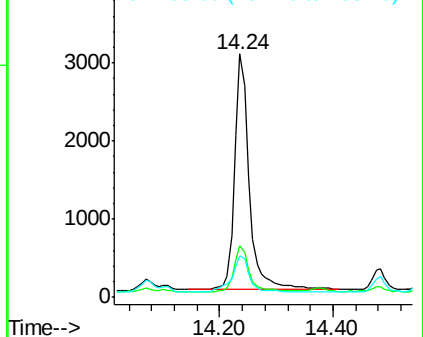
152 100

151 21.3 17.1 25.7

153 17.2 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: 1.11 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

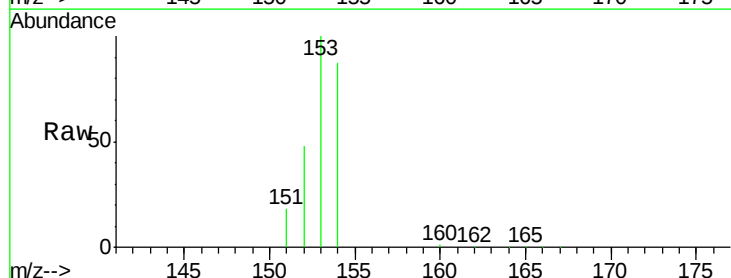
Tgt Ion:153 Resp: 28619

Ion Ratio Lower Upper

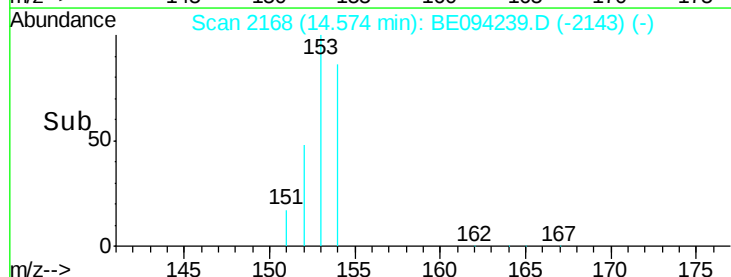
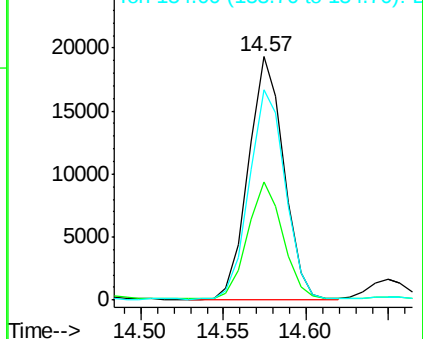
153 100

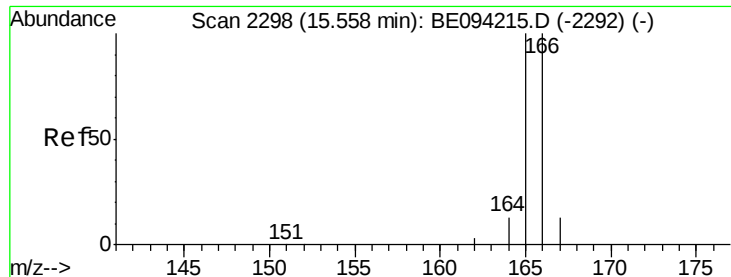
152 48.3 40.3 60.5

154 86.5 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

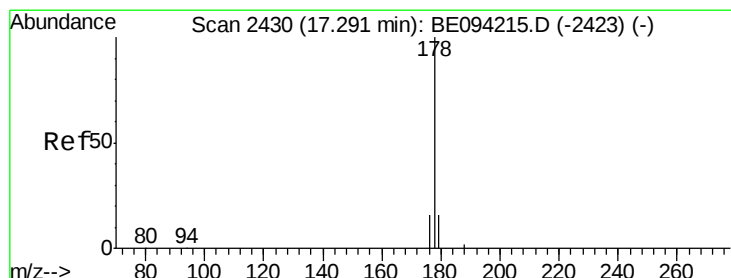
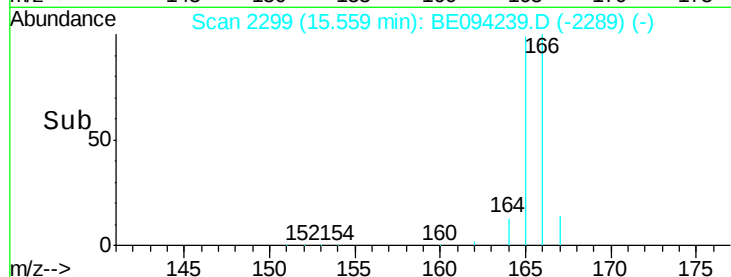
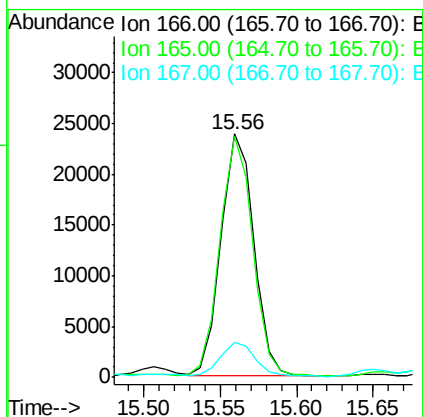
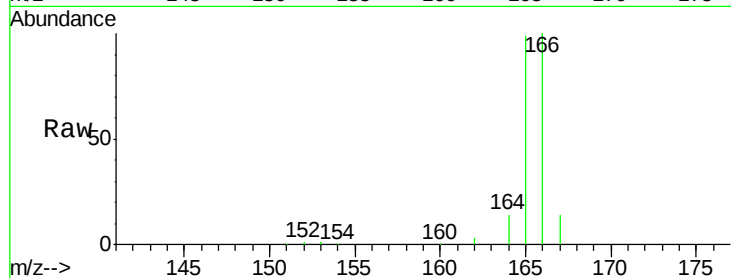




#9
Fluorene
 Concen: 1.18 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094239.D
 Acq: 10 Oct 2017 2:22

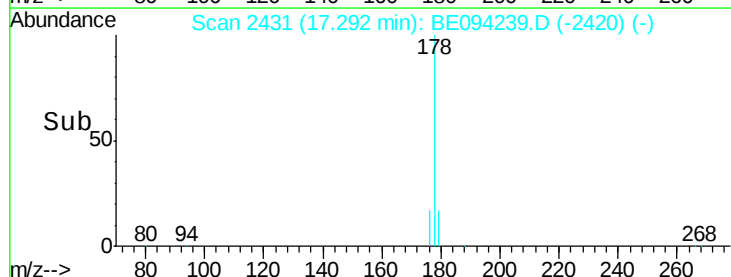
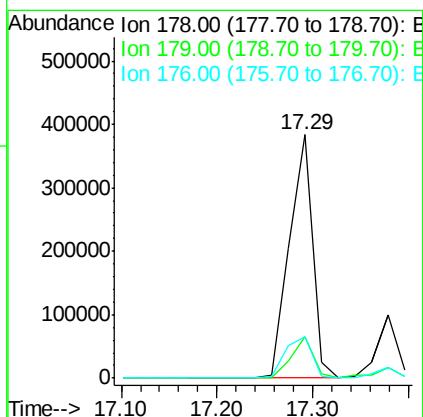
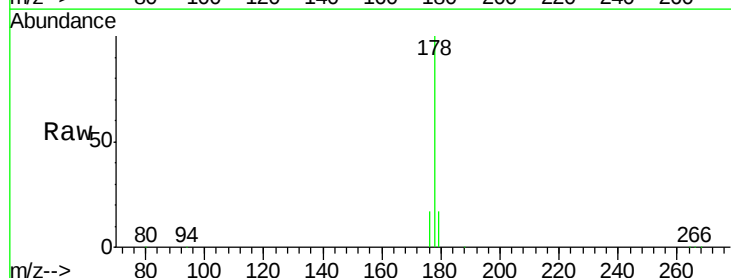
Instrument :
 BNA_E
 ClientSampleId :

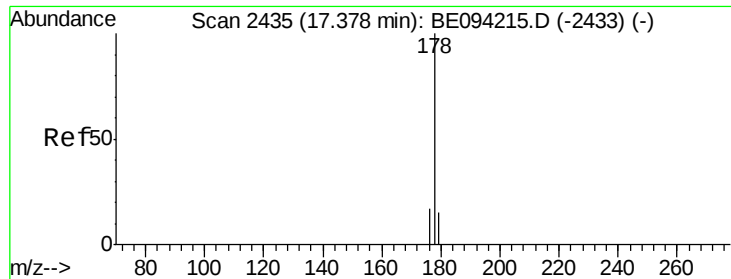
Tot Ion:166 Resp: 35626
 Ion Ratio Lower Upper
 166 100
 165 98.9 73.4 110.2
 167 14.5 14.6 22.0#



#12
Phenanthrene
 Concen: 14.47 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094239.D
 Acq: 10 Oct 2017 2:22

Tgt Ion:178 Resp: 642730
 Ion Ratio Lower Upper
 178 100
 179 16.8 18.4 27.6#
 176 16.8 13.6 20.4





#13

Anthracene

Concen: 3.46 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Instrument :

BNA_E

ClientSampleId :

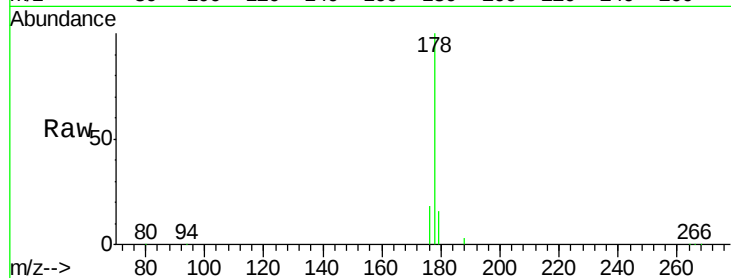
Tot Ion:178 Resp: 149321

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

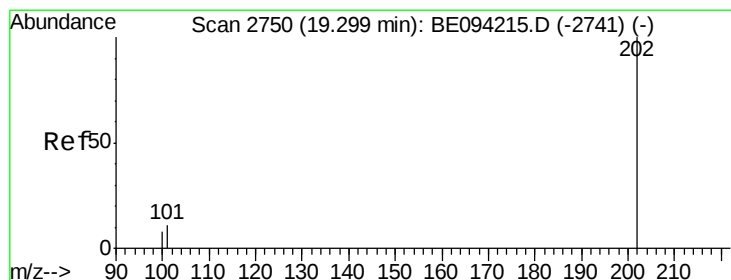
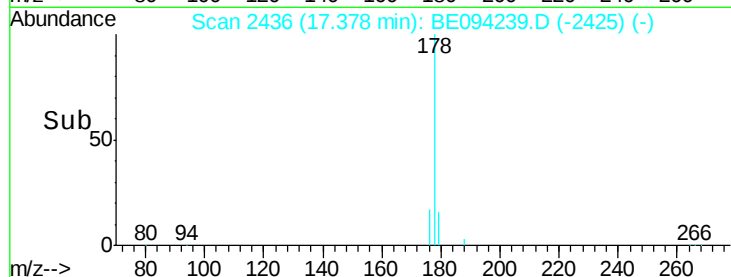
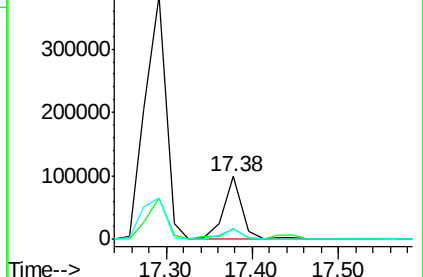
176 17.6 14.7 22.1



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: 23.29 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

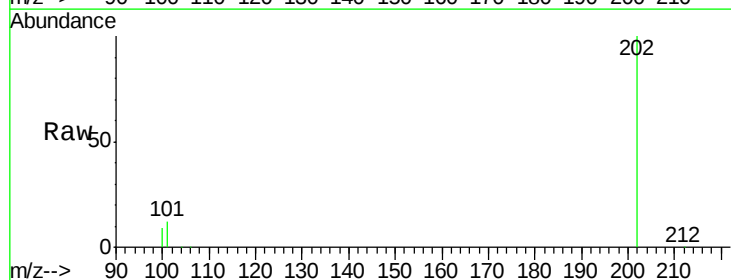
Tgt Ion:202 Resp: 1359167

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

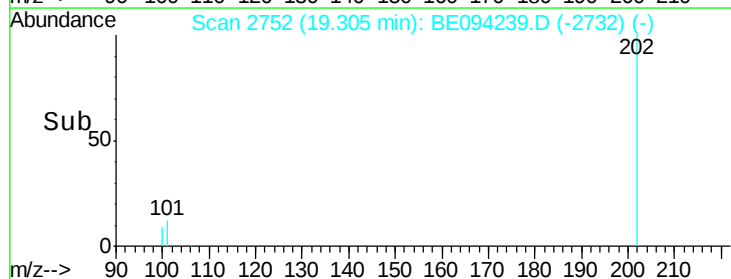
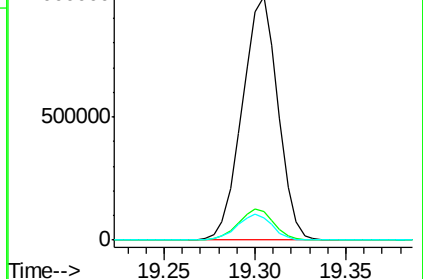
100 9.2 0.0 39.5

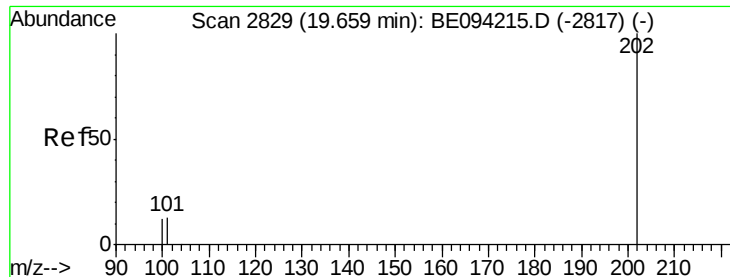


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

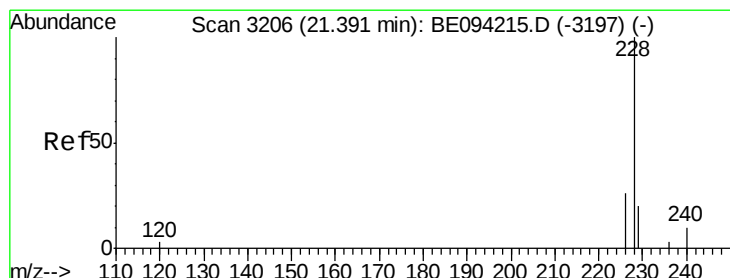
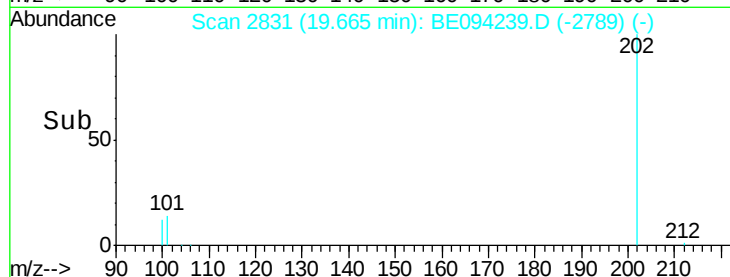
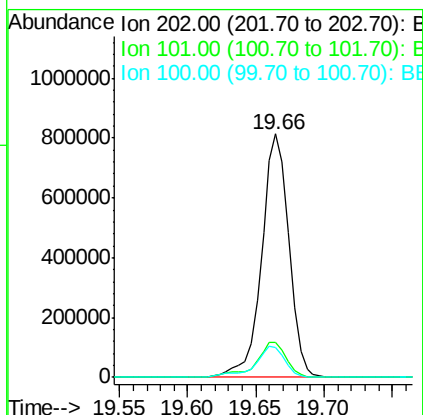
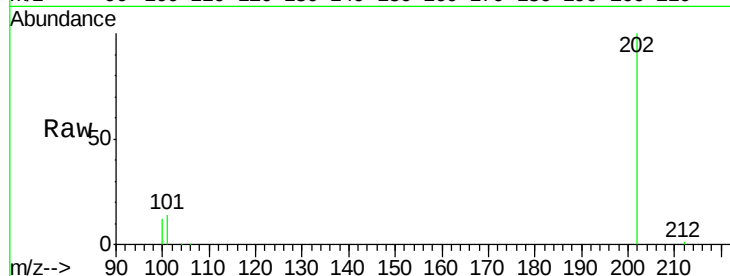




#17
Pvrene
Concen: 24.95 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094239.D
Acq: 10 Oct 2017 2:22

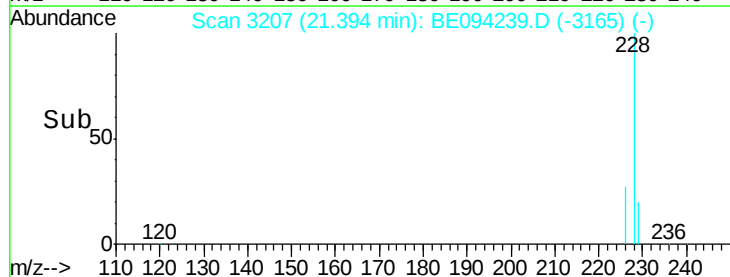
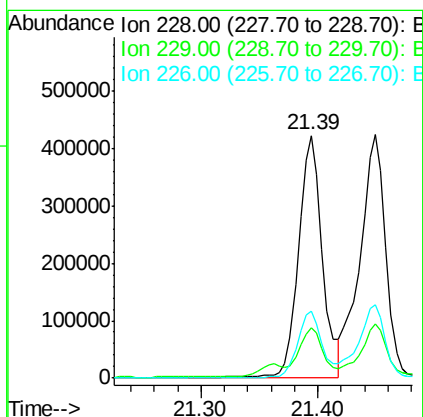
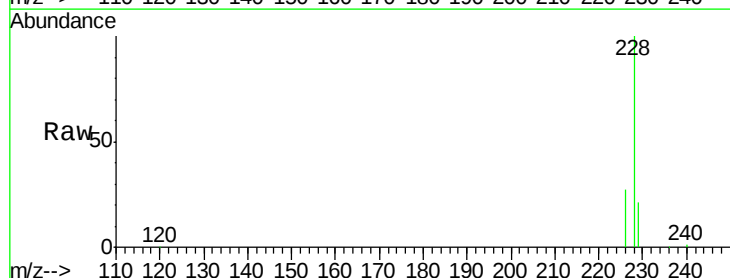
Instrument :
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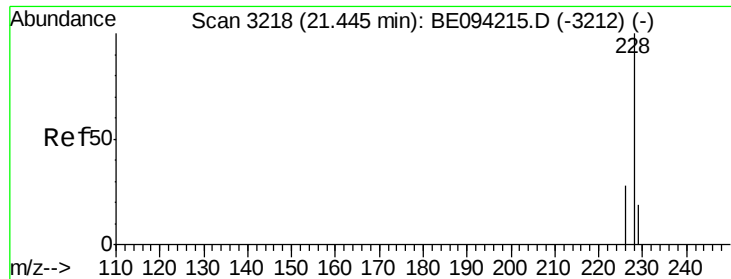
Tot Ion:202 Resp: 1124440
Ion Ratio Lower Upper
202 100
101 14.4 18.2 27.4#
100 12.5 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 14.00 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094239.D
Acq: 10 Oct 2017 2:22

Tgt Ion:228 Resp: 601695
Ion Ratio Lower Upper
228 100
229 20.9 22.8 34.2#
226 27.4 17.0 25.6#





#19

Chrysene

Concen: 13.13 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Instrument :

BNA_E

ClientSampleId :

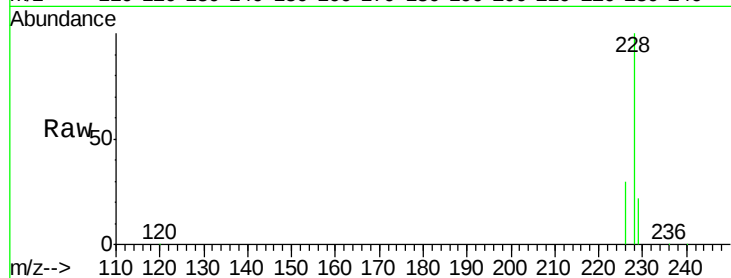
Tot Ion:228 Resp: 651424

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

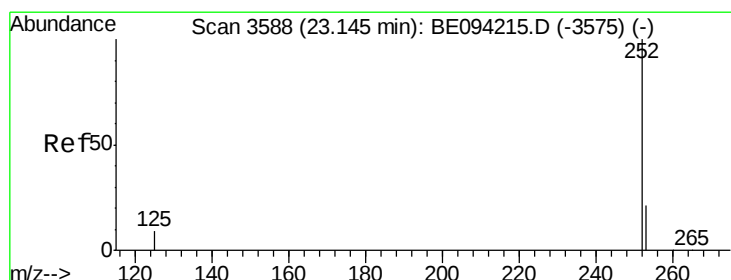
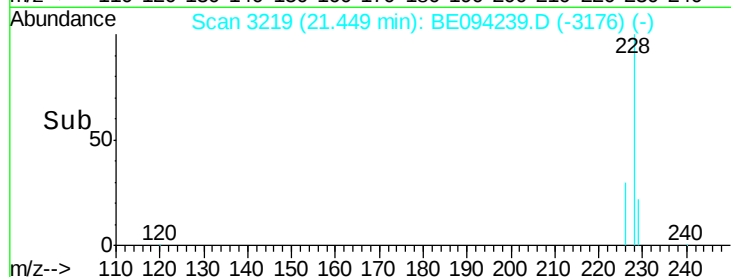
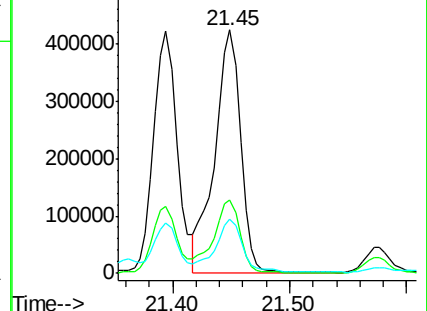
229 22.1 17.7 26.5



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: 0.38 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

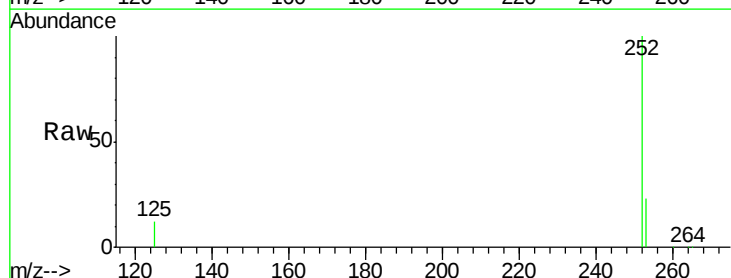
Tgt Ion:252 Resp: 718719

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

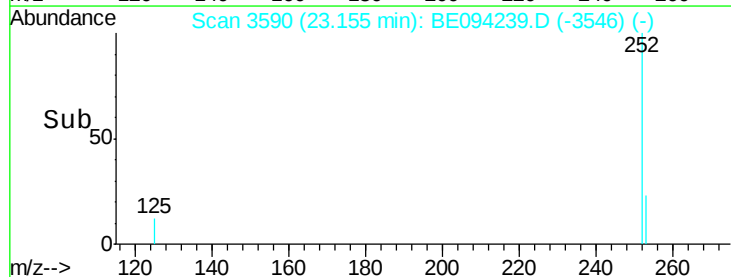
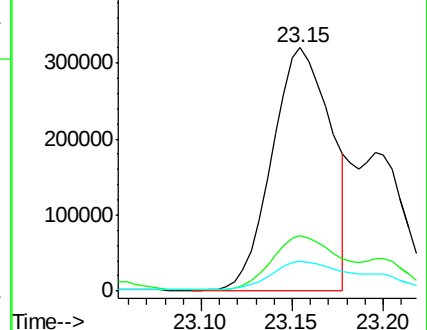
125 12.3 0.0 35.0

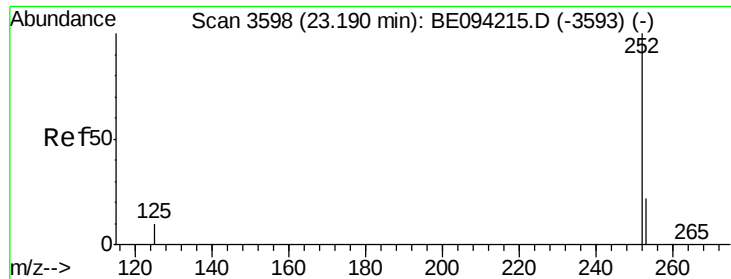


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.33 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Instrument :

BNA_E

ClientSampleId :

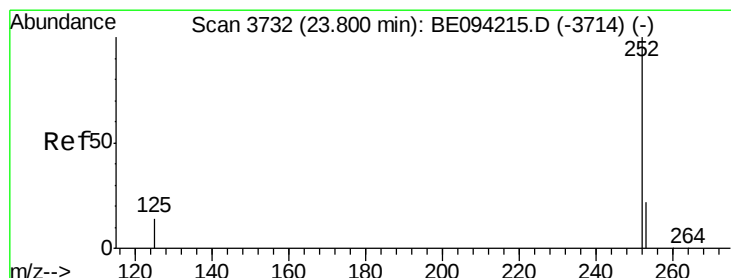
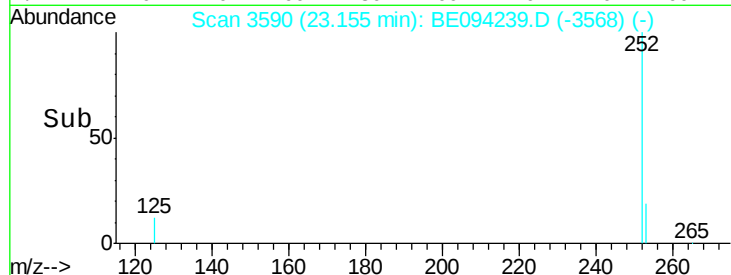
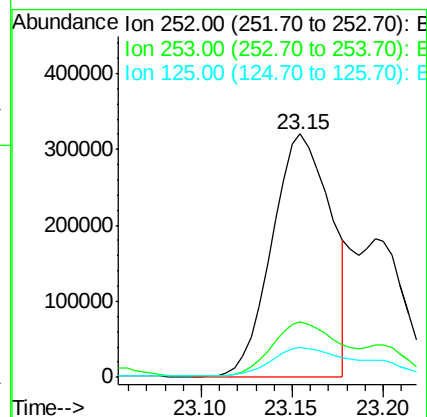
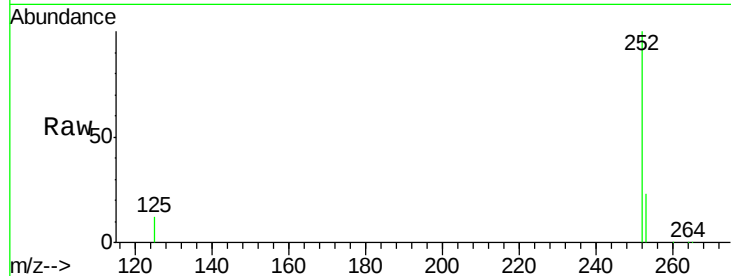
Tot Ion:252 Resp: 718719

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

125 12.3 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.19 ng/ul

RT: 23.70 min Scan# 3710

Delta R.T. -0.11 min

Lab File: BE094239.D

Acq: 10 Oct 2017 2:22

Tgt Ion:252 Resp: 381306

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

125 17.4 18.1 27.1#

