

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094211.D
 Acq On : 7 Oct 2017 20:22
 Operator : SJ/JU
 Sample : I5449-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:53:57 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

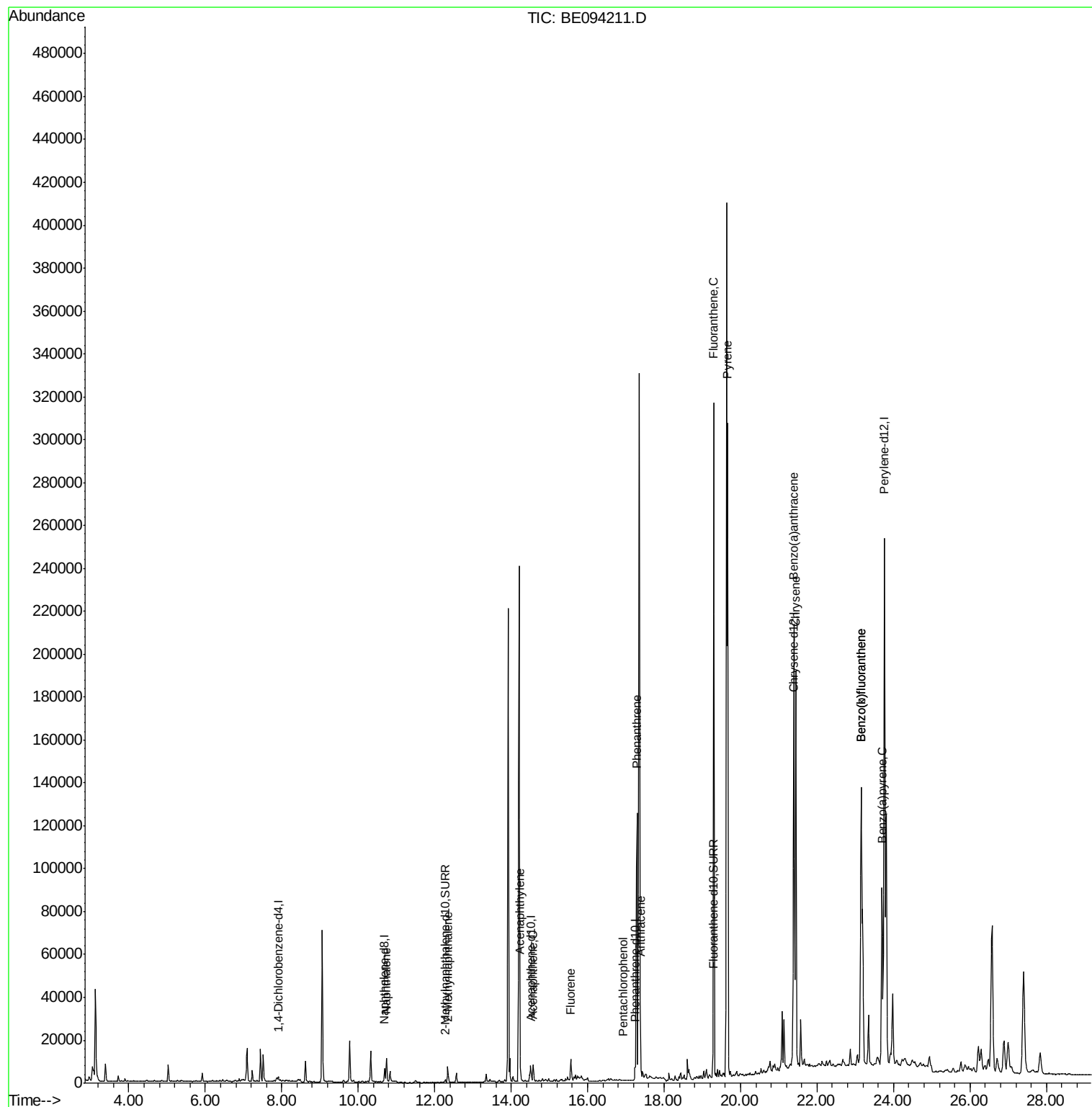
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1164	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6492	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4018	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8106	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	7920	0.40	ng/ul	0.00
20) Perylene-d12	23.76	264	365381	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1970	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	4868	0.18	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	17117	1.076	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	6507	0.631	ng/ul	98
7) Acenaphthylene	14.24	152	5963	0.381	ng/ul	95
8) Acenaphthene	14.57	153	4907	0.380	ng/ul	98
9) Fluorene	15.56	166	6694	0.443	ng/ul	92
11) Pentachlorophenol	16.93	266	30	0.032	ng/ul#	7
12) Phenanthrene	17.29	178	180500	8.521	ng/ul#	92
13) Anthracene	17.38	178	41305	2.005	ng/ul#	92
15) Fluoranthene	19.30	202	348516	12.522	ng/ul	83
17) Pyrene	19.66	202	332990	15.111	ng/ul#	80
18) Benzo(a)anthracene	21.39	228	194867	9.275	ng/ul#	86
19) Chrysene	21.45	228	193624	7.980	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	219866	0.222	ng/ul	88
22) Benzo(k)fluoranthene	23.15	252	219866	0.192	ng/ul#	90
23) Benzo(a)pyrene	23.70	252	132552	0.129	ng/ul#	86

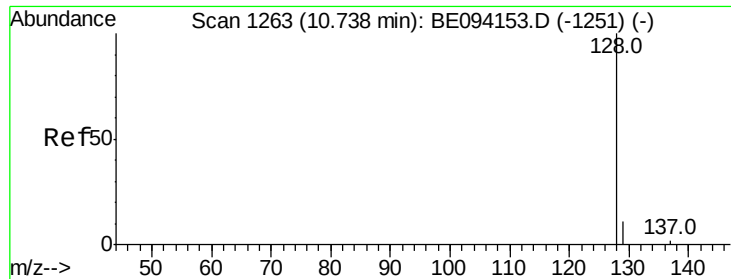
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.076 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

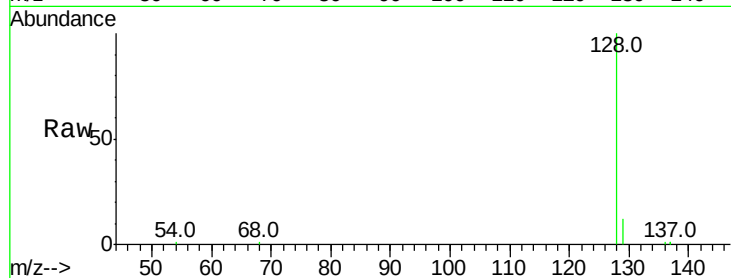
Tot Ion:128 Resp: 17117

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

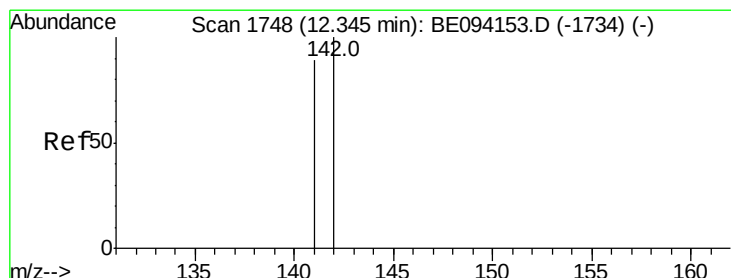
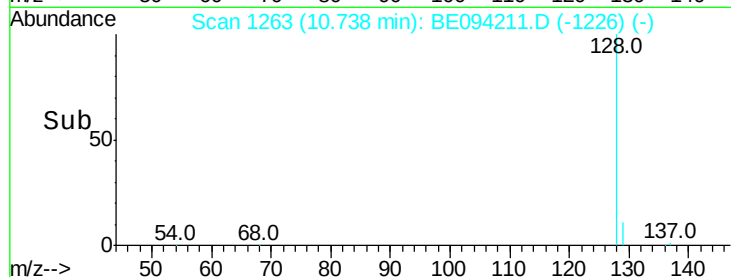
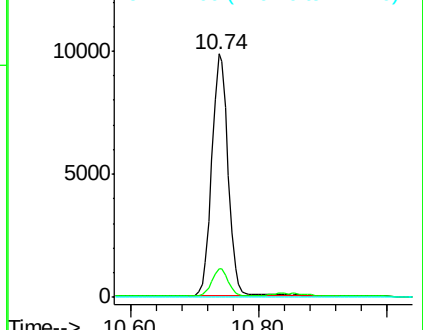
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.631 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094211.D

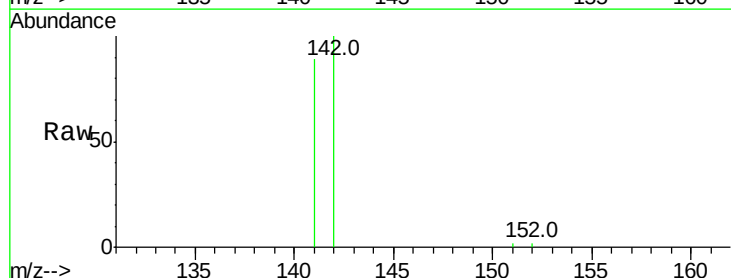
Acq: 7 Oct 2017 20:22

Tgt Ion:142 Resp: 6507

Ion Ratio Lower Upper

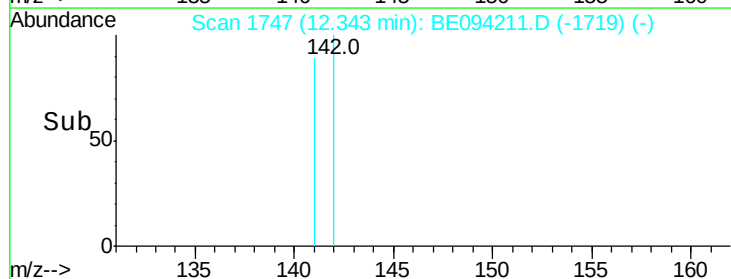
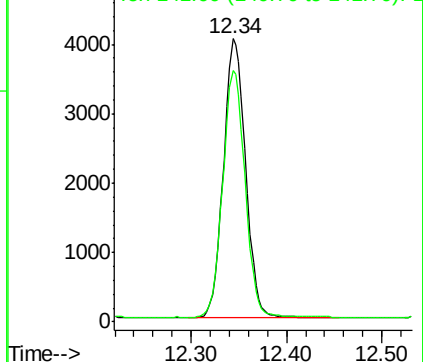
142 100

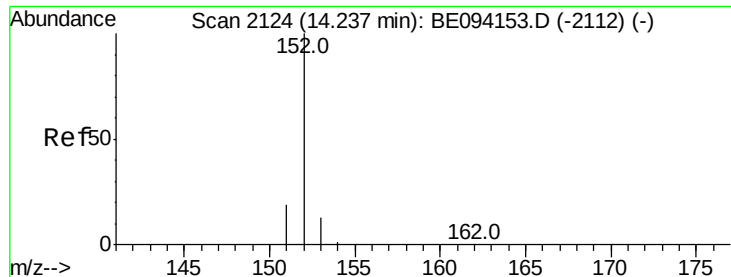
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.381 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

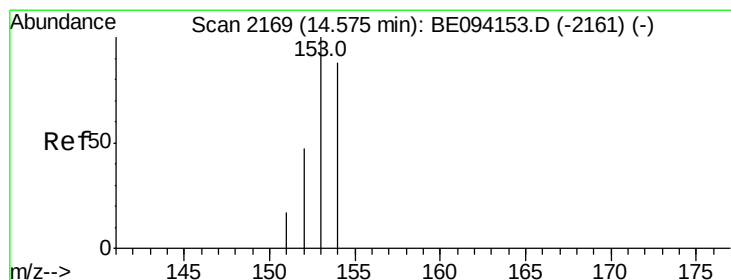
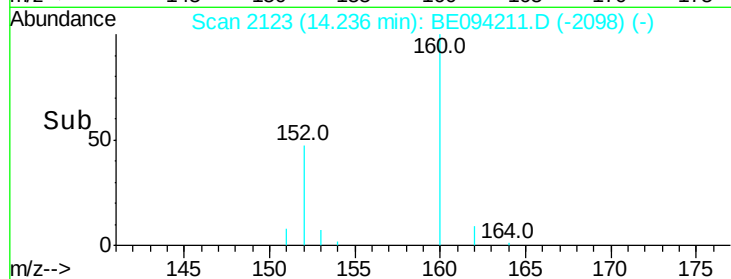
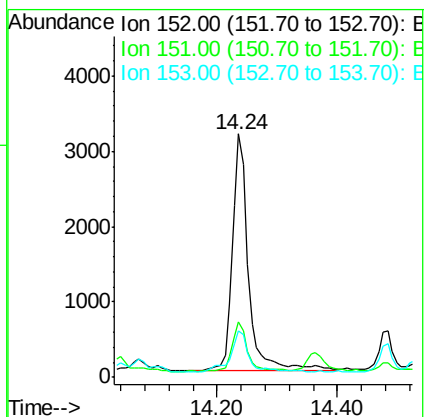
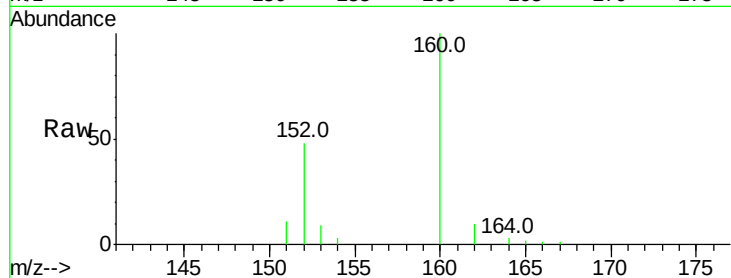
Tot Ion:152 Resp: 5963

Ion Ratio Lower Upper

152 100

151 22.7 17.1 25.7

153 19.2 12.8 19.2



#8

Acenaphthene

Concen: 0.380 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

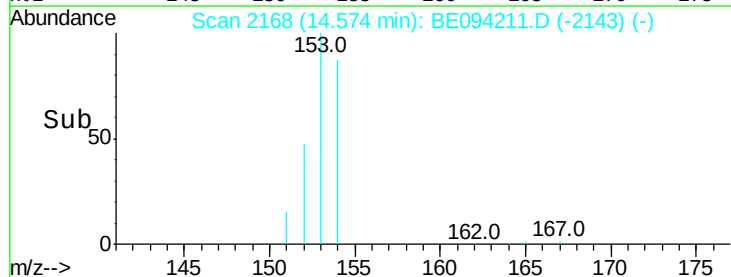
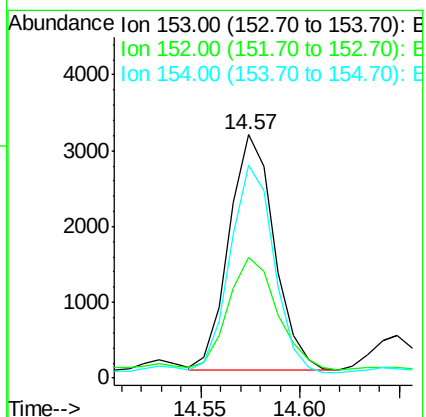
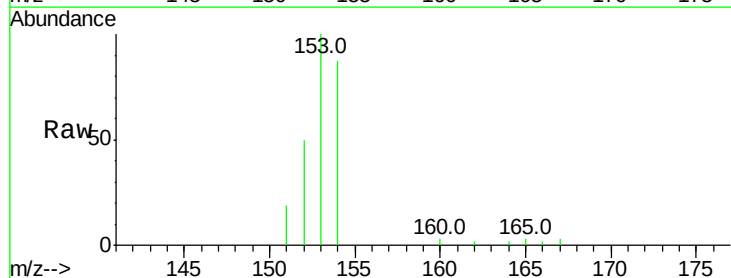
Tgt Ion:153 Resp: 4907

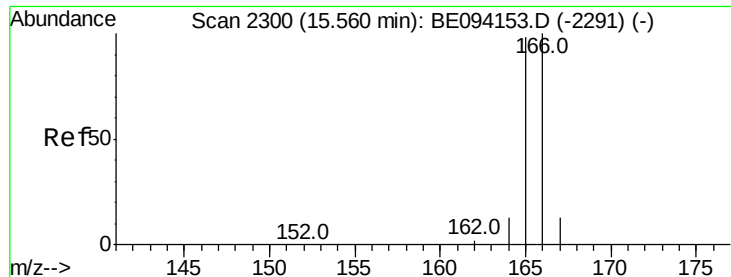
Ion Ratio Lower Upper

153 100

152 49.6 40.3 60.5

154 87.4 71.4 107.2

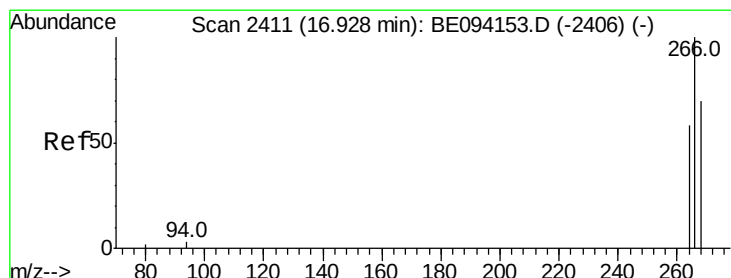
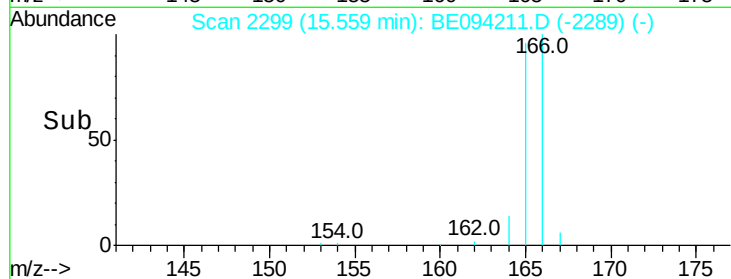
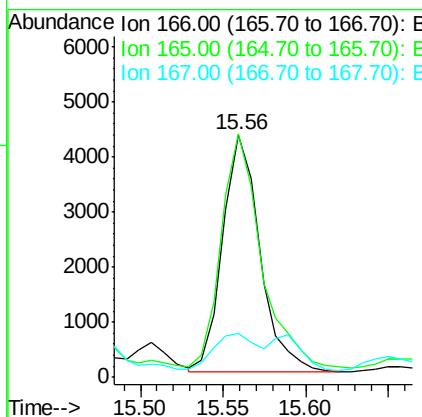
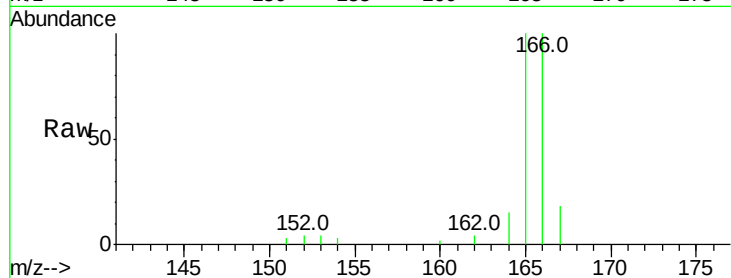




#9
Fluorene
 Concen: 0.443 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

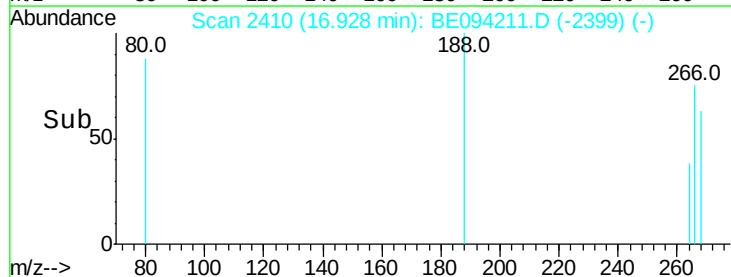
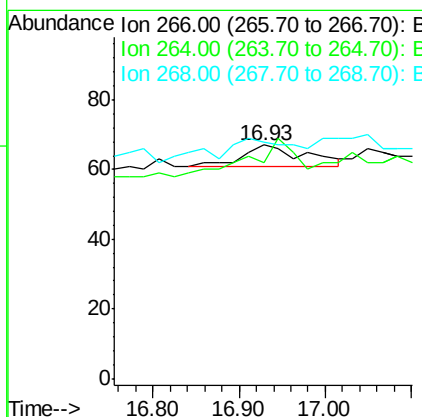
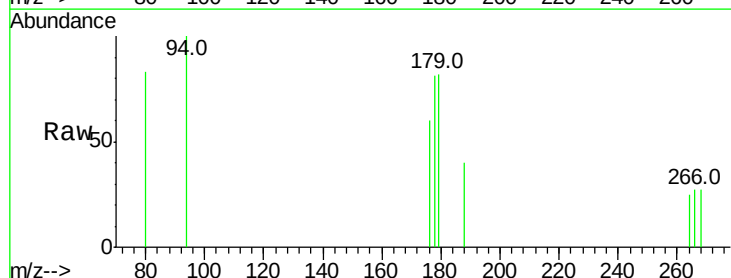
Instrument :
 BNA_E
 ClientSampleId :

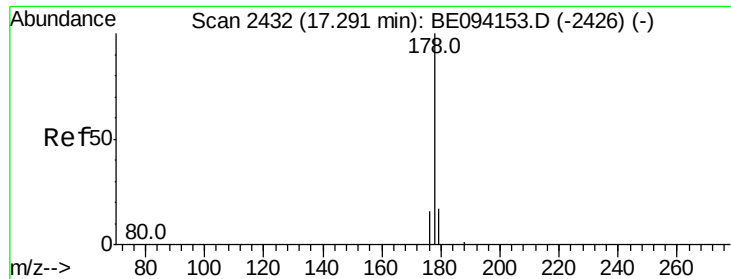
Tot Ion:166 Resp: 6694
 Ion Ratio Lower Upper
 166 100
 165 100.5 73.4 110.2
 167 18.3 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.032 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.02 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Tgt Ion:266 Resp: 30
 Ion Ratio Lower Upper
 266 100
 264 140.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 8.521 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

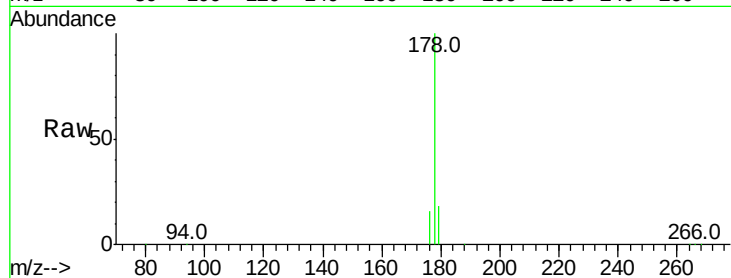
Tot Ion:178 Resp: 180500

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

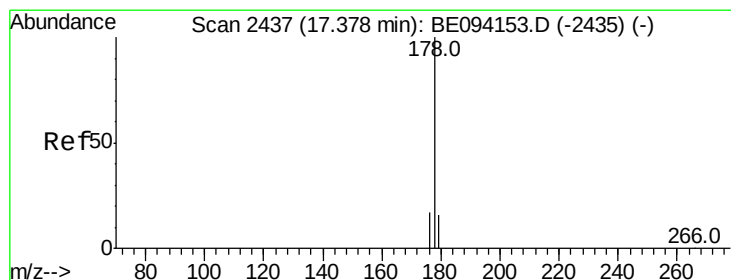
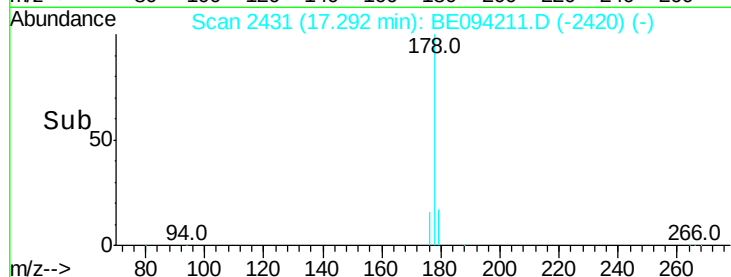
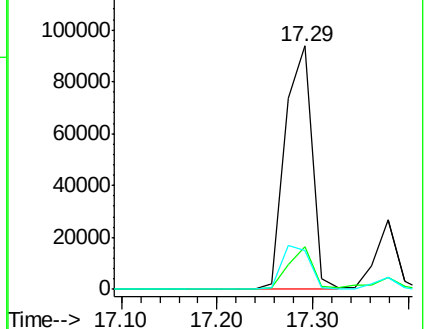
176 15.7 13.6 20.4



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: 2.005 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

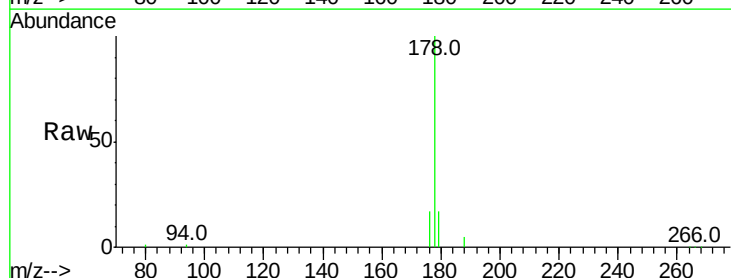
Tgt Ion:178 Resp: 41305

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

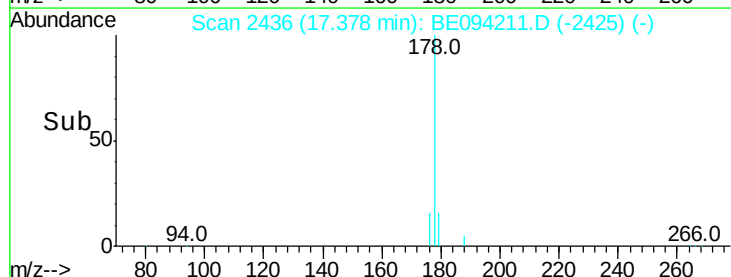
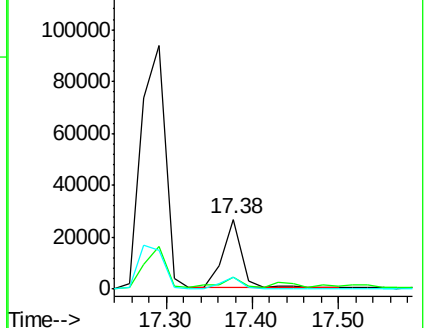
176 16.9 14.7 22.1

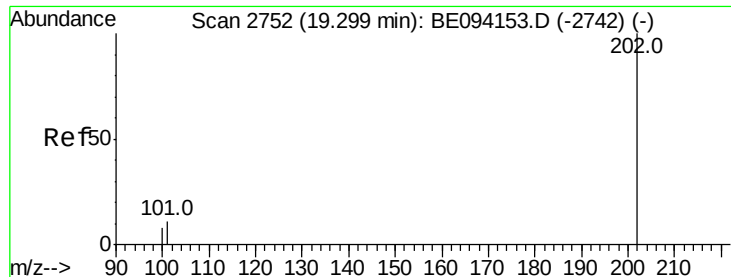


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

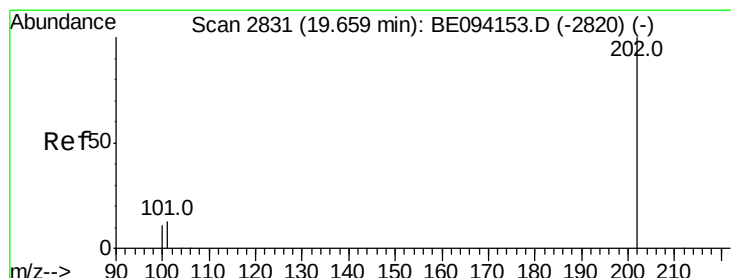
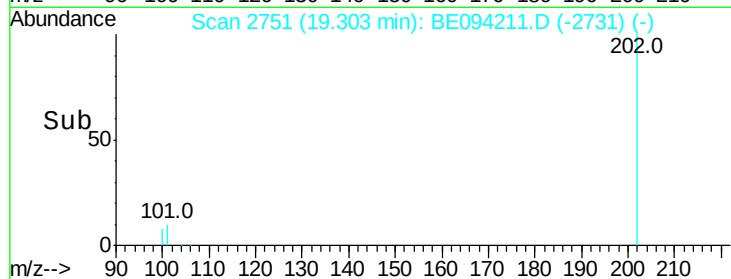
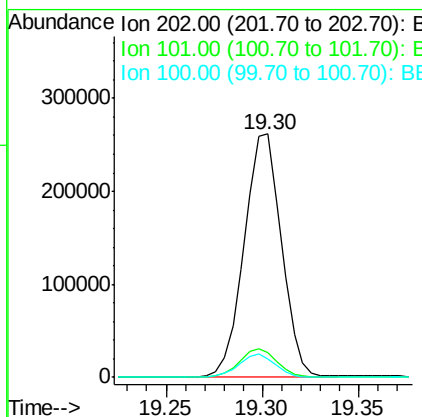
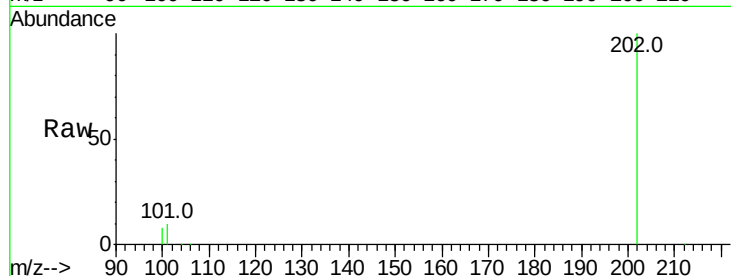




#15
Fluoranthene
Concen: 12.522 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.01 min
Lab File: BE094211.D
Acq: 7 Oct 2017 20:22

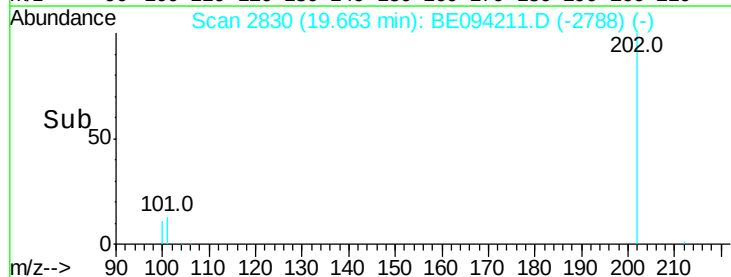
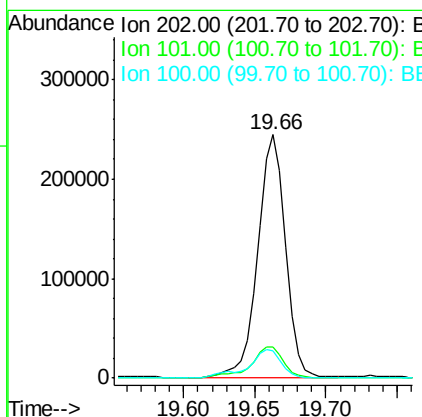
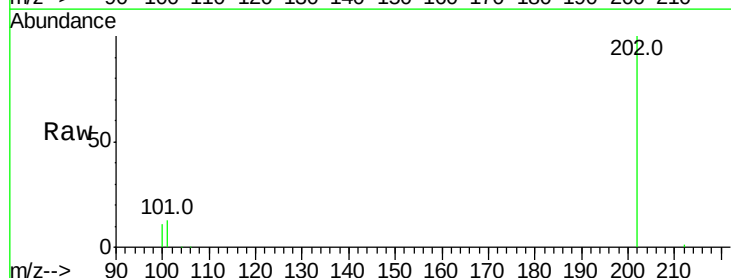
Instrument :
BNA_E
ClientSampleId :

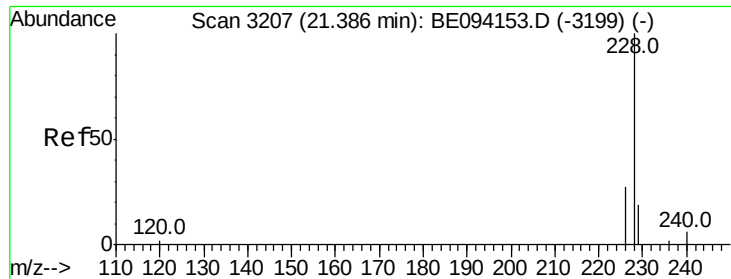
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
100	7.7	0.0	39.5



#17
Pyrene
Concen: 15.111 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094211.D
Acq: 7 Oct 2017 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	18.2	27.4#
100	11.0	15.6	23.4#

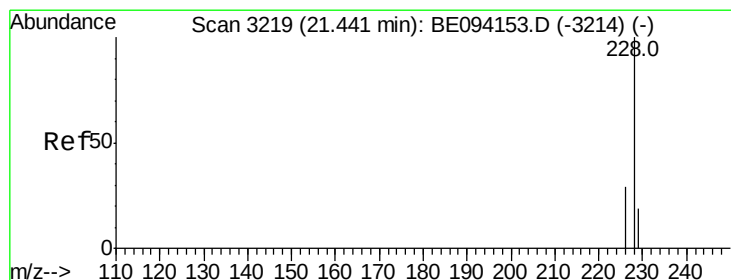
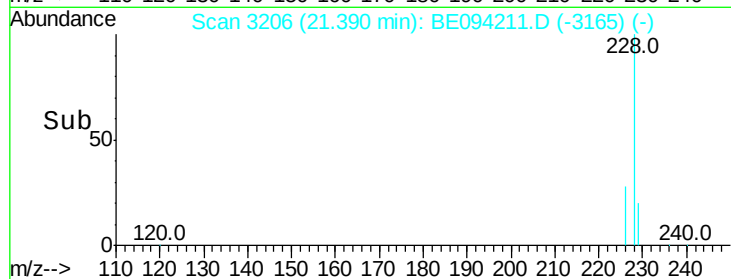
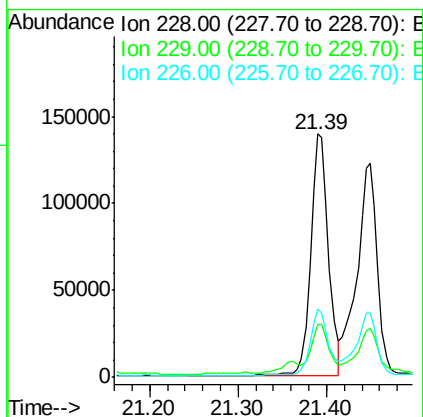
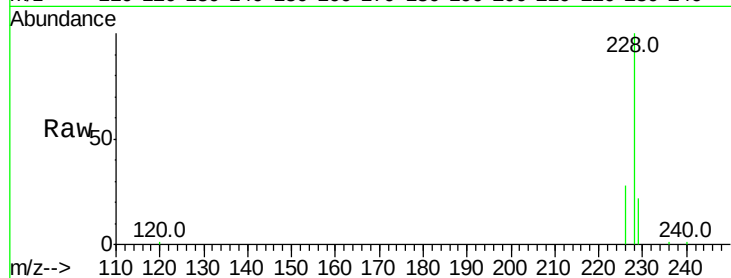




#18
Benzo(a)anthracene
Concen: 9.275 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BE094211.D
Acq: 7 Oct 2017 20:22

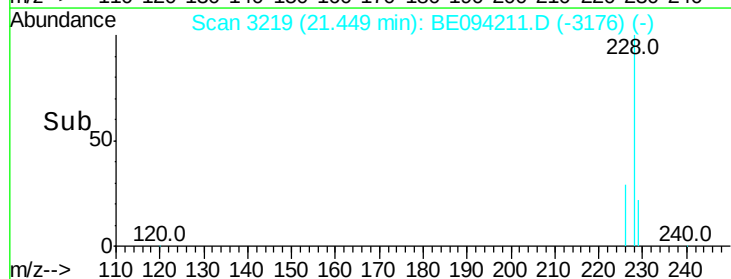
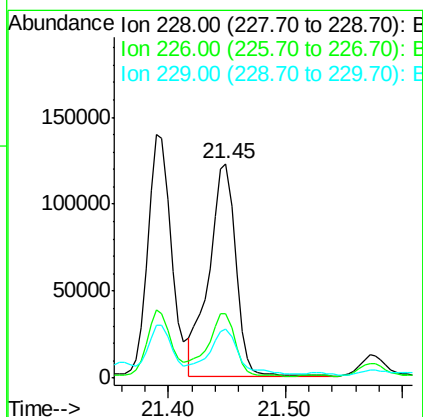
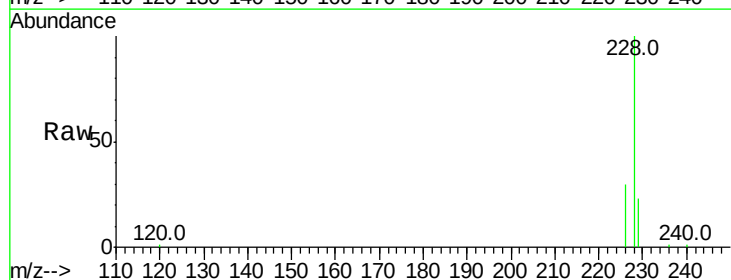
Instrument :
BNA_E
ClientSampleId :

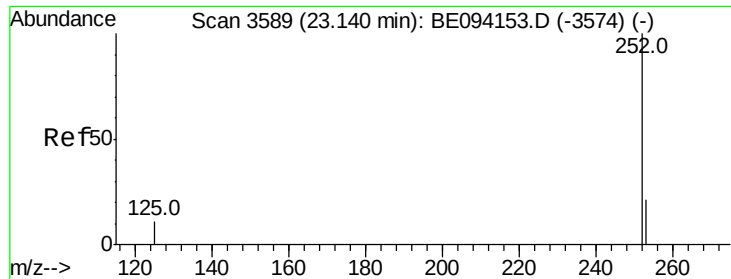
Tot Ion:228 Resp: 194867
Ion Ratio Lower Upper
228 100
229 21.7 22.8 34.2#
226 28.3 17.0 25.6#



#19
Chrysene
Concen: 7.980 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE094211.D
Acq: 7 Oct 2017 20:22

Tgt Ion:228 Resp: 193624
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 23.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.222 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

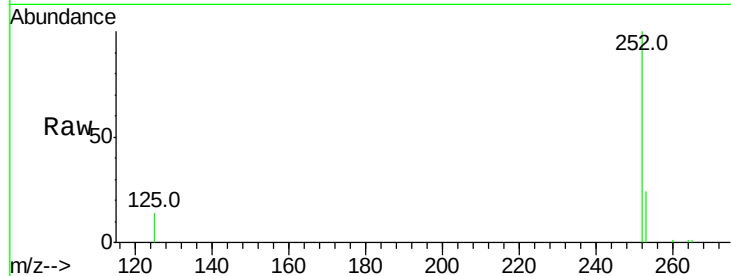
Tot Ion:252 Resp: 219866

Ion Ratio Lower Upper

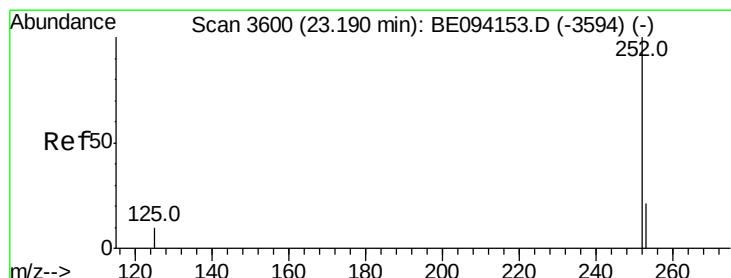
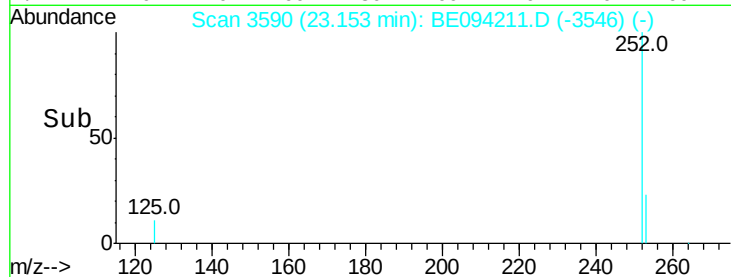
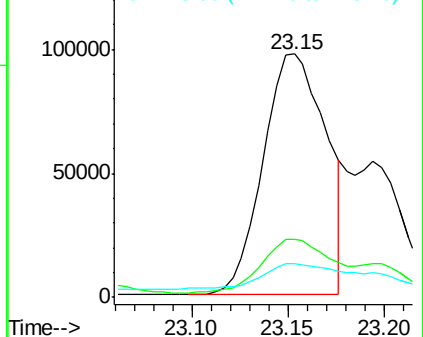
252 100

253 24.0 0.0 64.2

125 13.8 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: 0.192 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

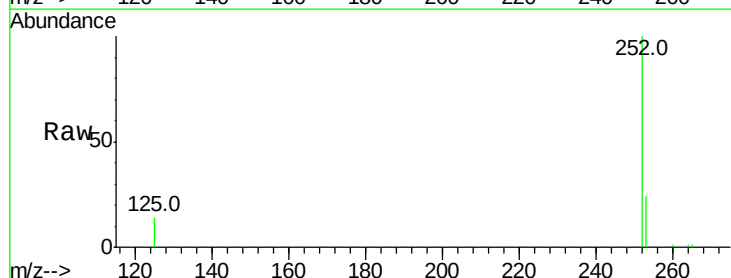
Tgt Ion:252 Resp: 219866

Ion Ratio Lower Upper

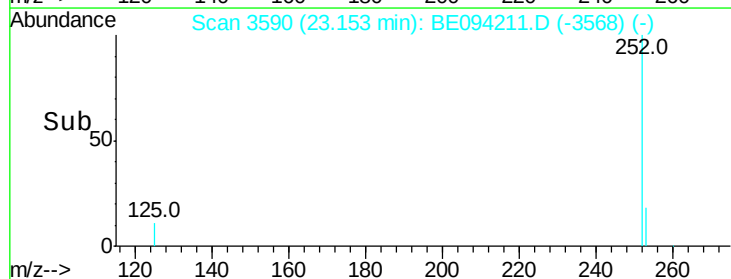
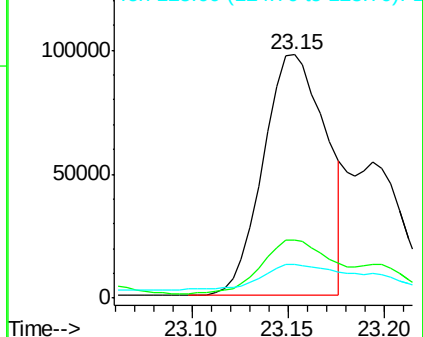
252 100

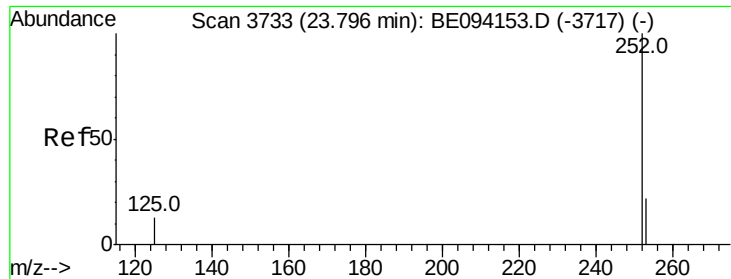
253 24.0 24.5 36.7#

125 13.8 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: 0.129 ng/ul

RT: 23.70 min Scan# 3710

Delta R.T. -0.11 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

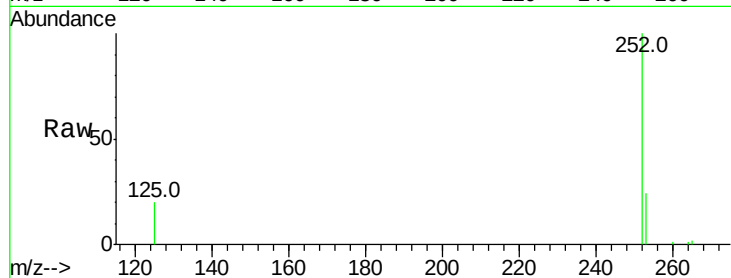
Tot Ion:252 Resp: 132552

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

125 19.8 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

