

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094406.D
 Acq On : 15 Oct 2017 23:04
 Operator : SJ/JU
 Sample : I5548-20
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 07:54:43 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 07:45:00 2017
 Response via : Initial Calibration

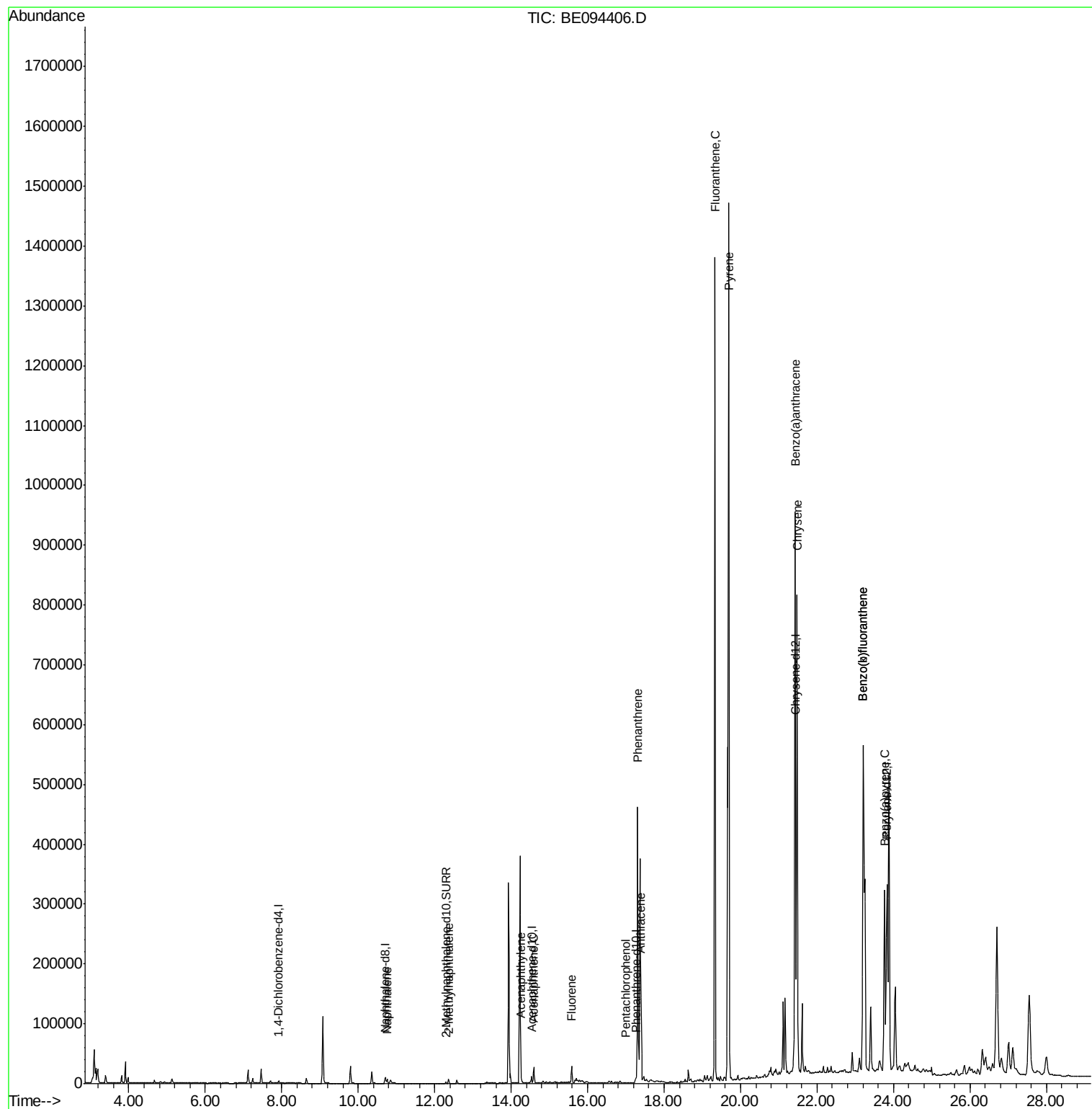
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1968	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10496	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.53	164	6111	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	12235	0.40	ng/ul	0.02
16) Chrysene-d12	21.44	240	11426	0.40	ng/ul	0.02
20) Perylene-d12	23.83	264	482566	0.40	ng/ul	-0.12
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3233	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.35	212	281	0.01	ng/ul	0.07
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	11474	0.446	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	6889	0.413	ng/ul	99
7) Acenaphthylene	14.26	152	15256	0.640	ng/ul	98
8) Acenaphthene	14.59	153	16437	0.838	ng/ul	97
9) Fluorene	15.58	166	18630	0.811	ng/ul	95
11) Pentachlorophenol	17.00	266	114	0.079	ng/ul#	20
12) Phenanthrene	17.31	178	491575	15.375	ng/ul#	89
13) Anthracene	17.40	178	151869	4.884	ng/ul#	89
15) Fluoranthene	19.33	202	1636301	38.950	ng/ul	84
17) Pyrene	19.69	202	1635416	51.443	ng/ul#	84
18) Benzo(a)anthracene	21.43	228	929322	30.659	ng/ul#	86
19) Chrysene	21.48	228	820527	23.440	ng/ul	98
21) Benzo(b)fluoranthene	23.21	252	1000330	0.763	ng/ul	86
22) Benzo(k)fluoranthene	23.21	252	1000330	0.660	ng/ul#	88
23) Benzo(a)pyrene	23.76	252	496479	0.364	ng/ul#	84

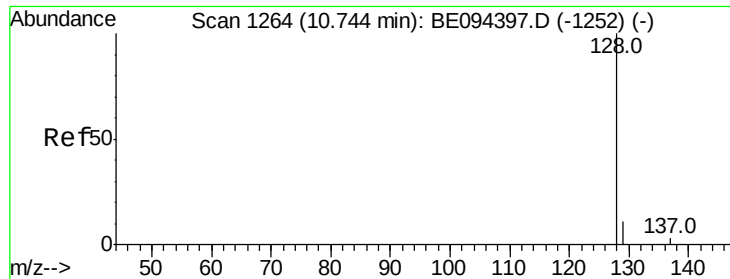
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.446 ng/ul

RT: 10.76 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

Instrument :

BNA_E

ClientSampleId :

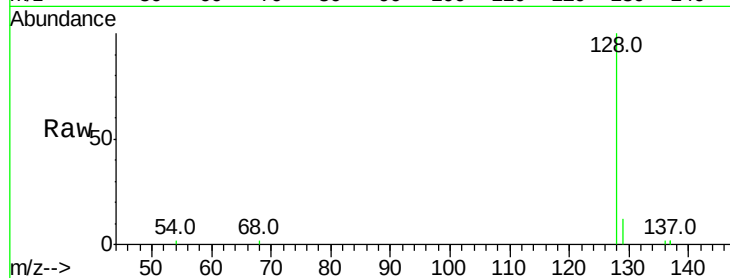
Tot Ion:128 Resp: 11474

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

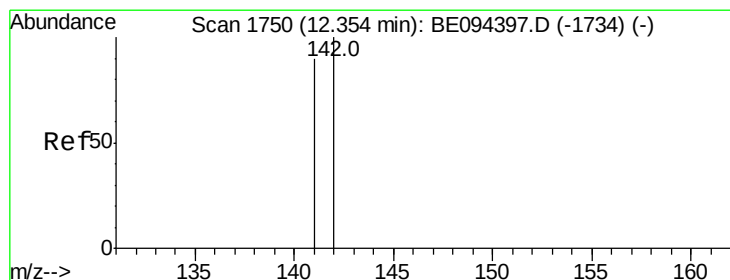
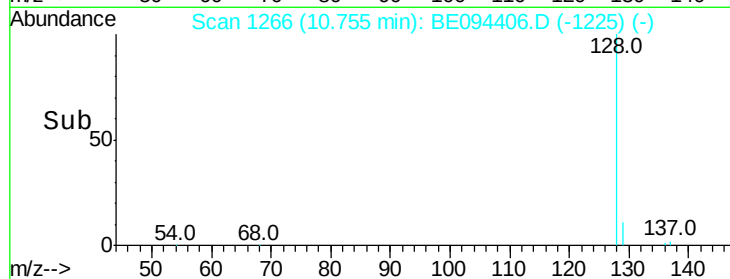
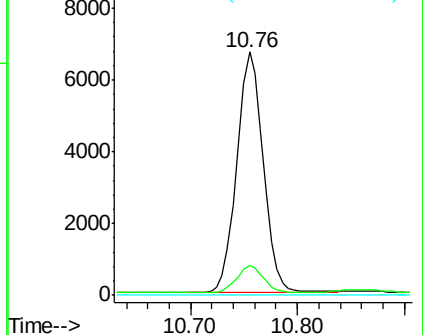
127 0.0 4.0 6.0#



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: 0.413 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BE094406.D

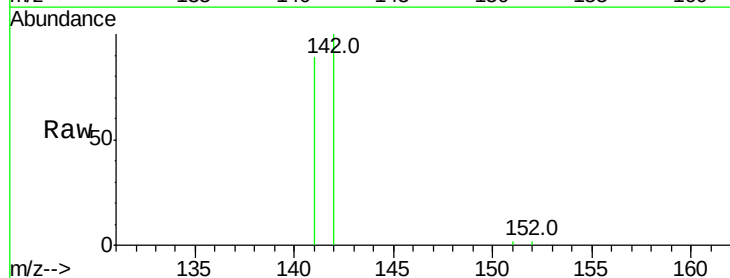
Acq: 15 Oct 2017 23:04

Tgt Ion:142 Resp: 6889

Ion Ratio Lower Upper

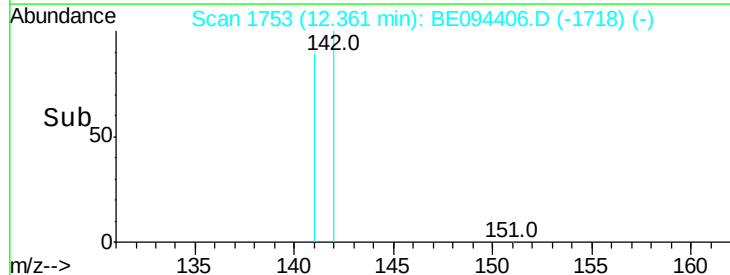
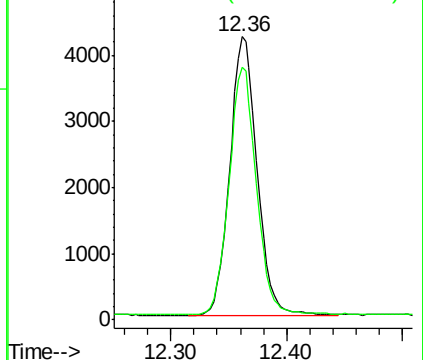
142 100

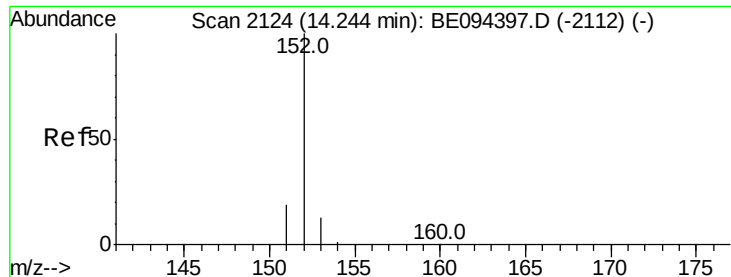
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.640 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.01 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

Instrument :

BNA_E

ClientSampleId :

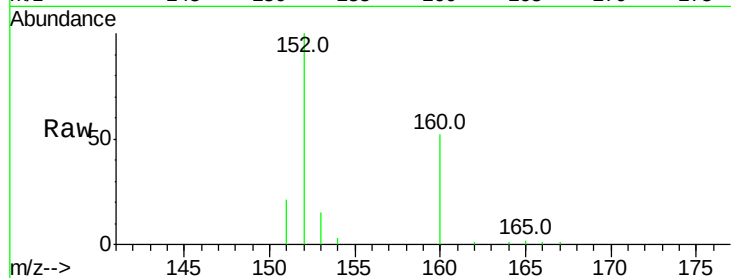
Tot Ion:152 Resp: 15256

Ion Ratio Lower Upper

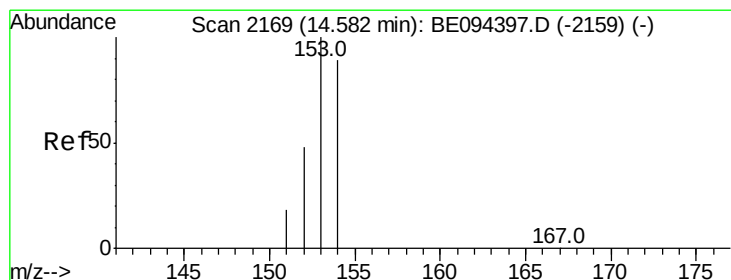
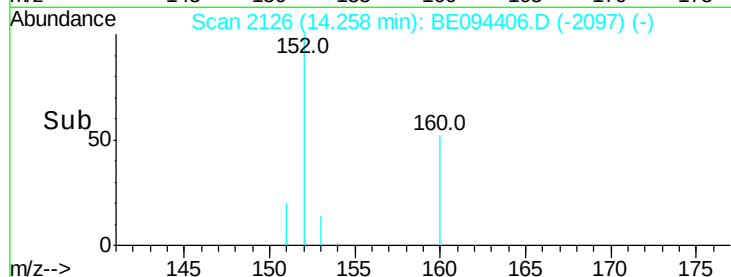
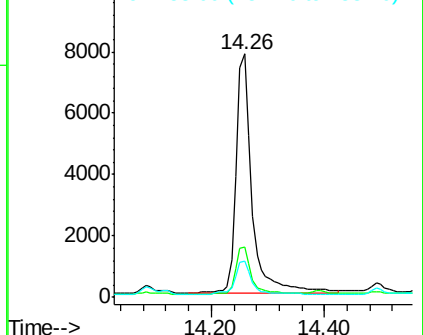
152 100

151 20.6 17.1 25.7

153 15.1 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: 0.838 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

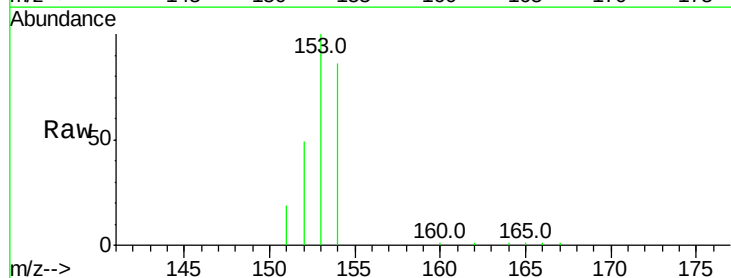
Tgt Ion:153 Resp: 16437

Ion Ratio Lower Upper

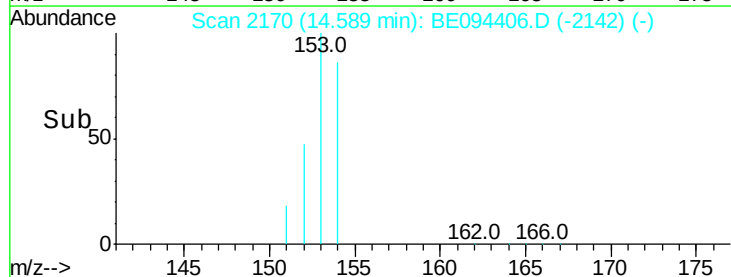
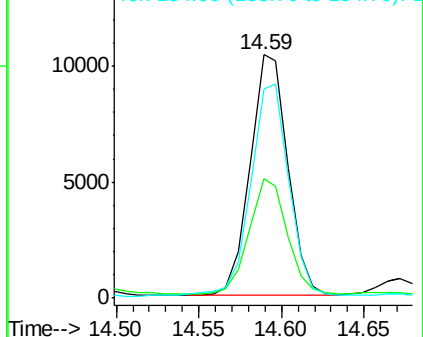
153 100

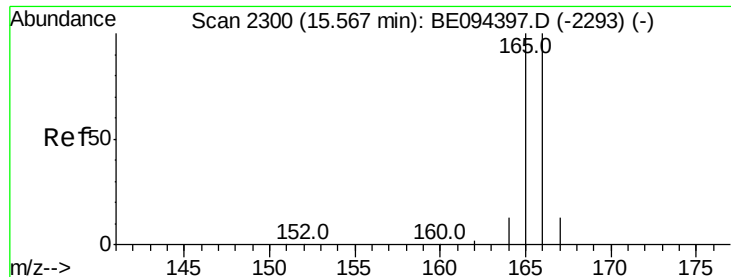
152 48.9 40.3 60.5

154 85.9 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

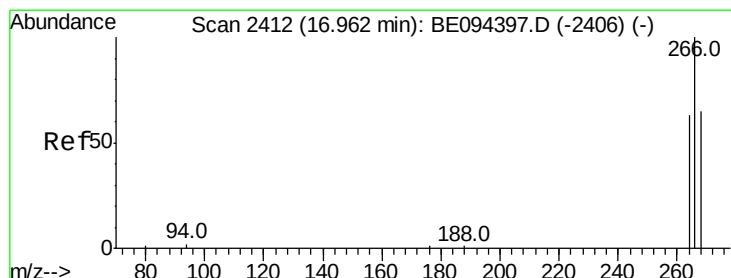
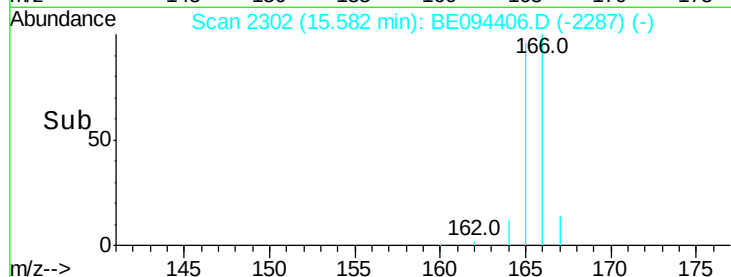
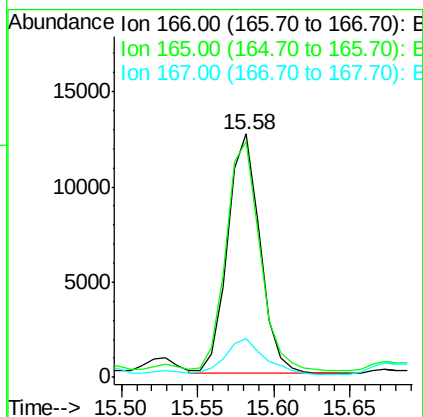
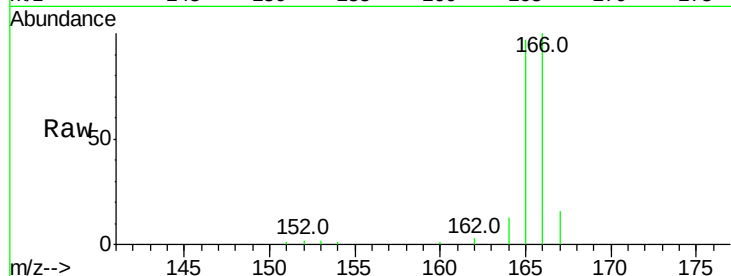




#9
Fluorene
 Concen: 0.811 ng/ul
 RT: 15.58 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: BE094406.D
 Acq: 15 Oct 2017 23:04

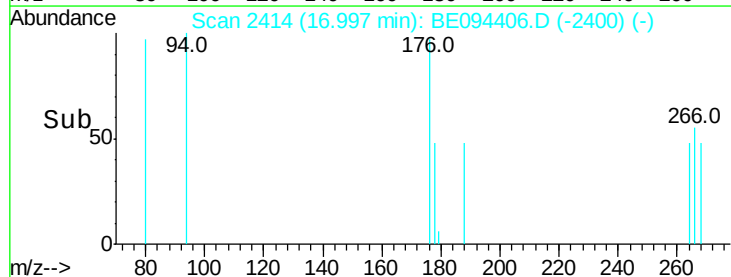
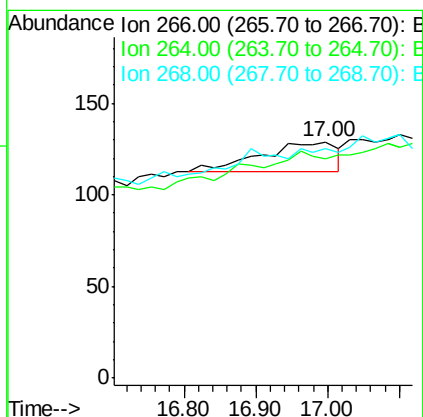
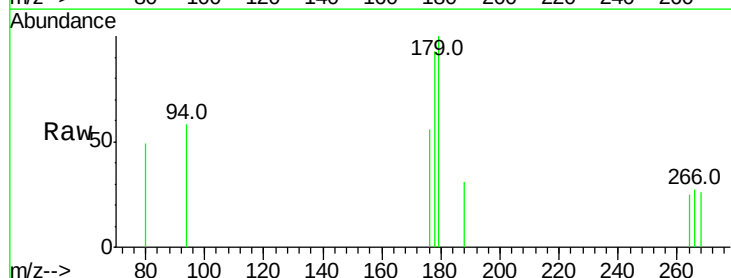
Instrument :
 BNA_E
 ClientSampleId :

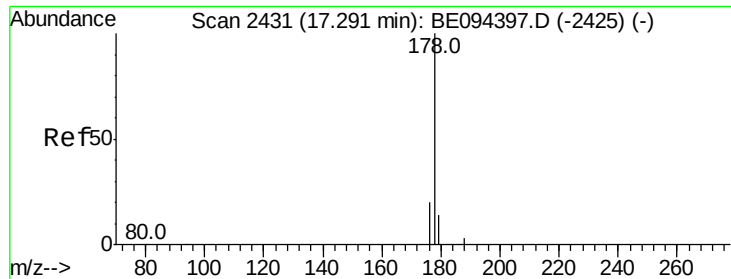
Tot Ion:166 Resp: 18630
 Ion Ratio Lower Upper
 166 100
 165 96.7 73.4 110.2
 167 15.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.079 ng/ul
 RT: 17.00 min Scan# 2414
 Delta R.T. 0.04 min
 Lab File: BE094406.D
 Acq: 15 Oct 2017 23:04

Tgt Ion:266 Resp: 114
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 15.375 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

Instrument :

BNA_E

ClientSampleId :

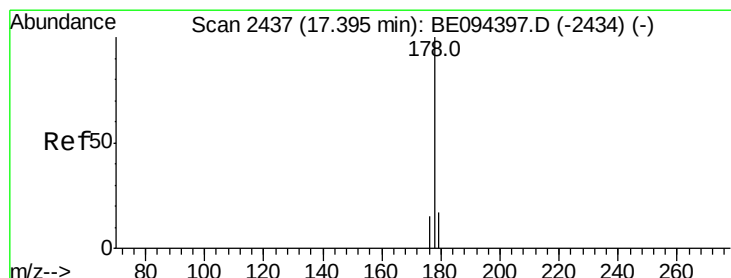
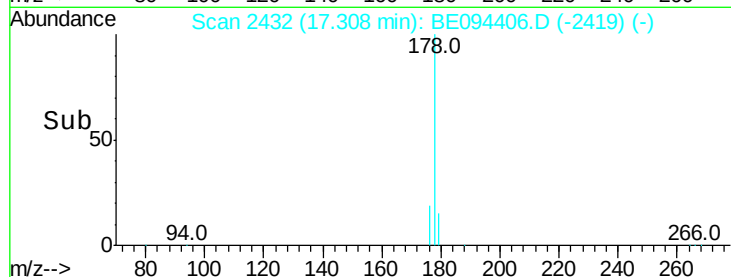
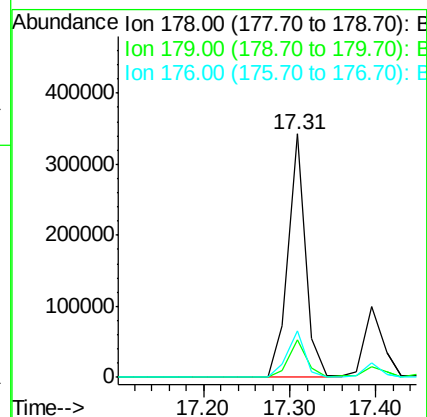
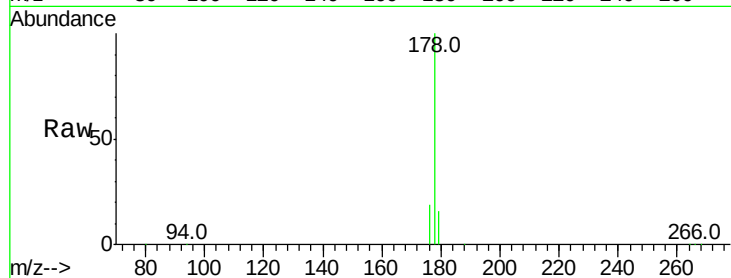
Tot Ion:178 Resp: 491575

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

176 19.0 13.6 20.4



#13

Anthracene

Concen: 4.884 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

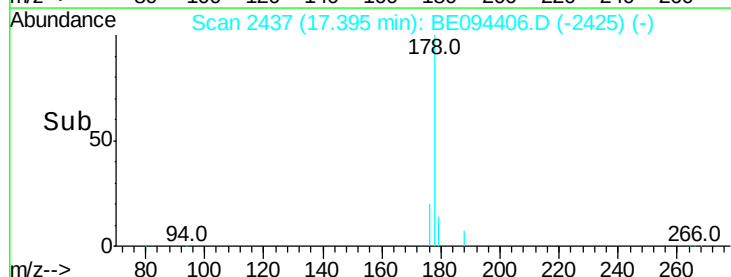
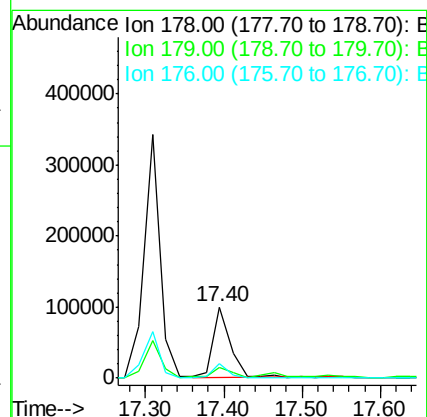
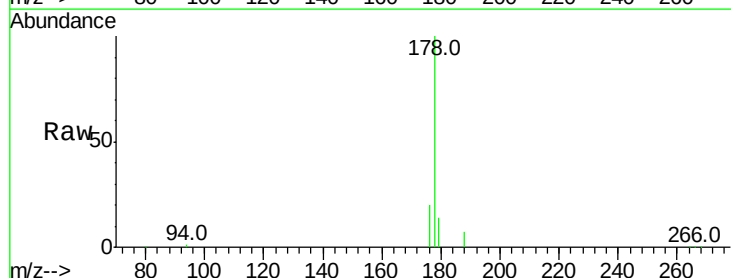
Tgt Ion:178 Resp: 151869

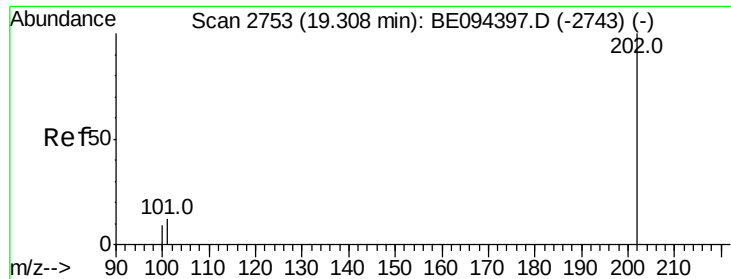
Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

176 19.8 14.7 22.1

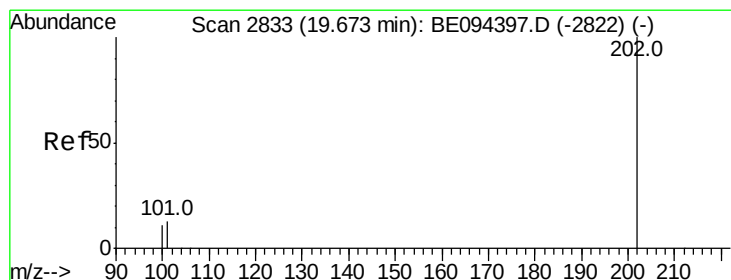
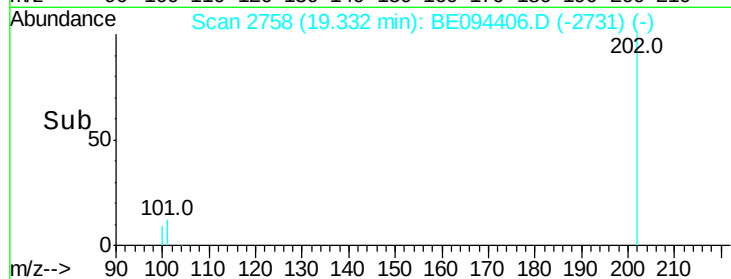
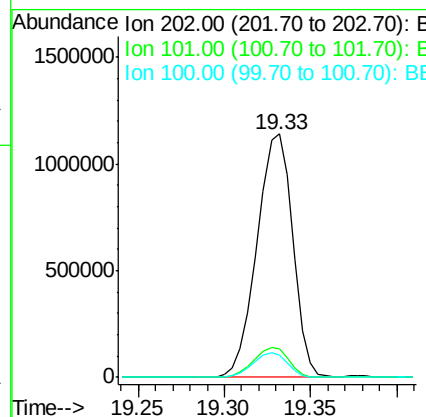
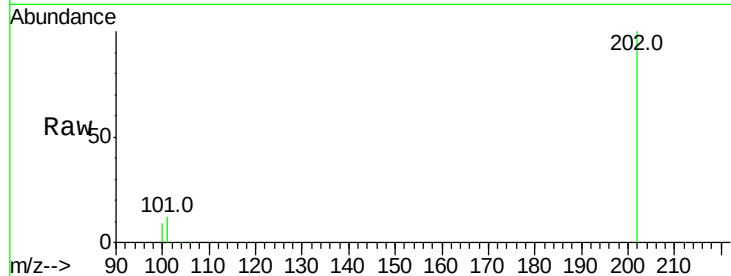




#15
Fluoranthene
Concen: 38.950 ng/ul
RT: 19.33 min Scan# 2758
Delta R.T. 0.02 min
Lab File: BE094406.D
Acq: 15 Oct 2017 23:04

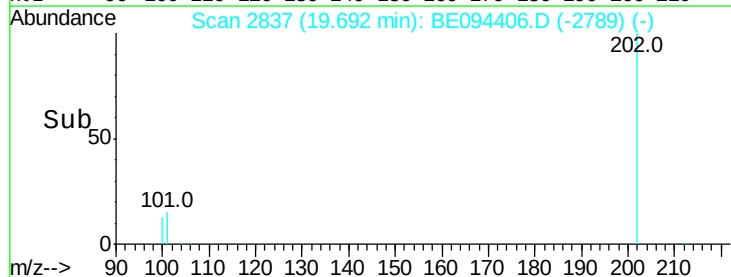
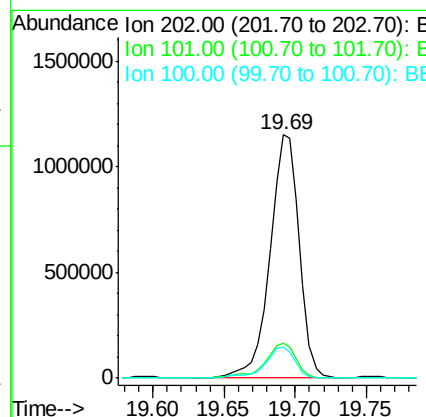
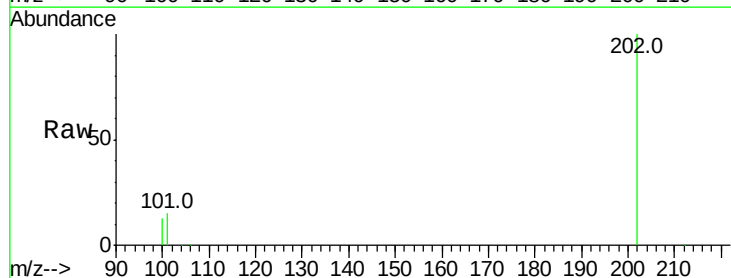
Instrument :
BNA_E
ClientSampleId :

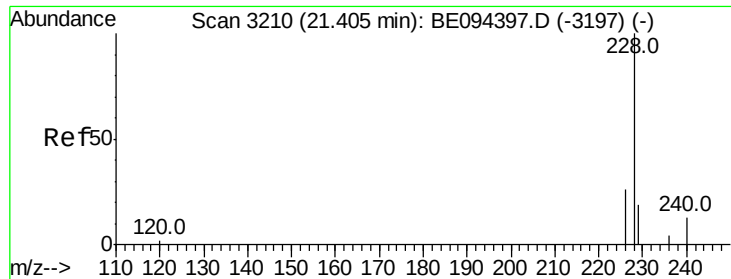
Tot Ion:202 Resp: 1636301
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.3
100 9.2 0.0 39.5



#17
Pyrene
Concen: 51.443 ng/ul
RT: 19.69 min Scan# 2837
Delta R.T. 0.02 min
Lab File: BE094406.D
Acq: 15 Oct 2017 23:04

Tgt Ion:202 Resp: 1635416
Ion Ratio Lower Upper
202 100
101 14.6 18.2 27.4#
100 12.7 15.6 23.4#

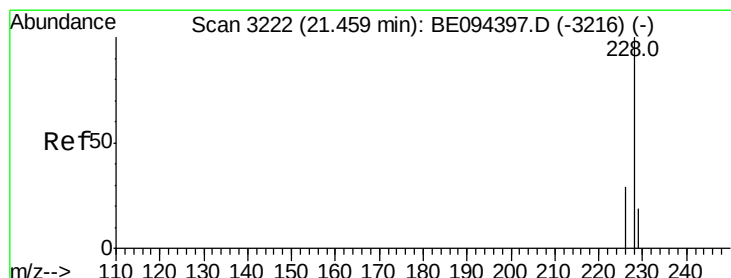
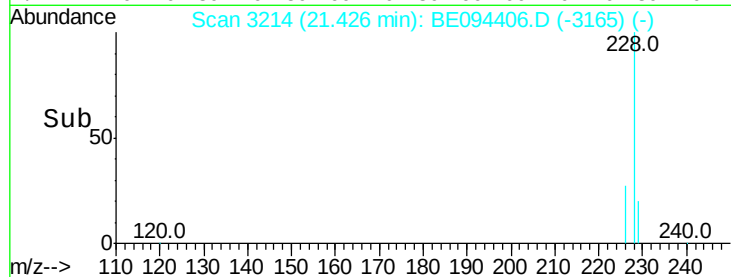
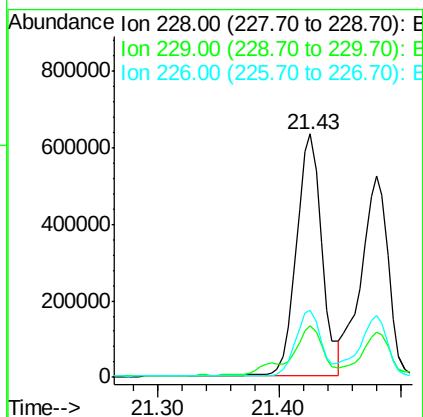
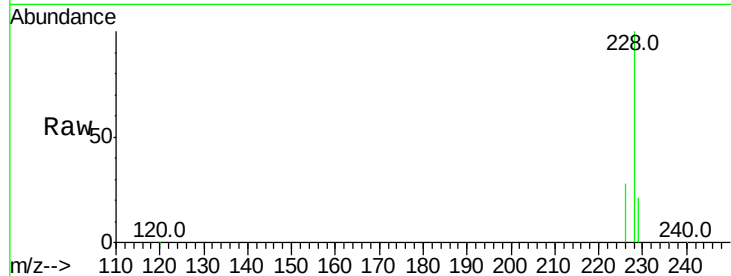




#18
Benzo(a)anthracene
Concen: 30.659 ng/ul
RT: 21.43 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BE094406.D
Acq: 15 Oct 2017 23:04

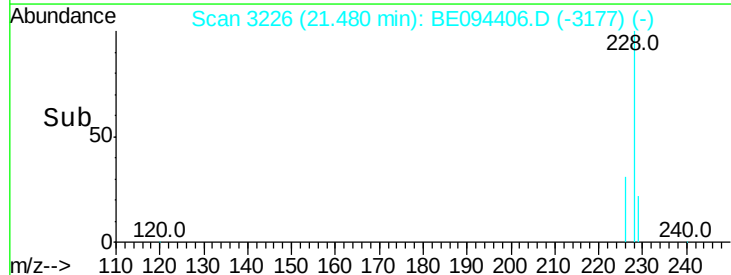
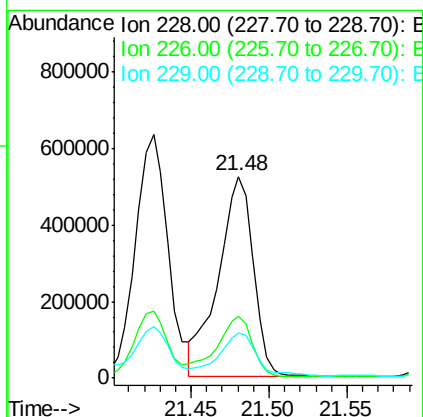
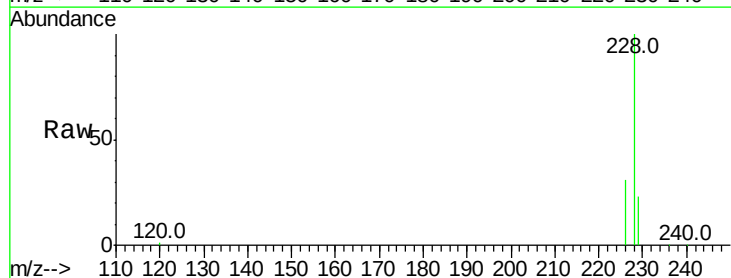
Instrument :
BNA_E
ClientSampleId :

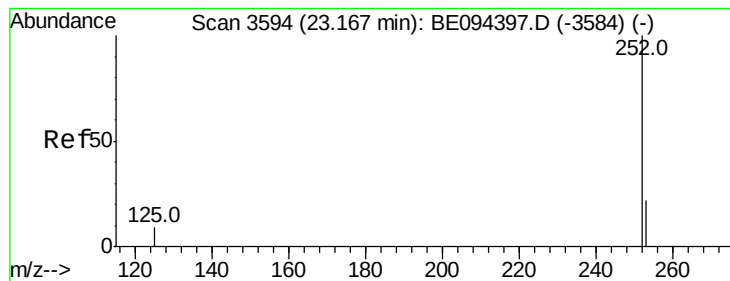
Tot Ion:228 Resp: 929322
Ion Ratio Lower Upper
228 100
229 21.2 22.8 34.2#
226 27.6 17.0 25.6#



#19
Chrysene
Concen: 23.440 ng/ul
RT: 21.48 min Scan# 3226
Delta R.T. 0.02 min
Lab File: BE094406.D
Acq: 15 Oct 2017 23:04

Tgt Ion:228 Resp: 820527
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 22.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.763 ng/ul

RT: 23.21 min Scan# 3602

Delta R.T. 0.04 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

Instrument :

BNA_E

ClientSampleId :

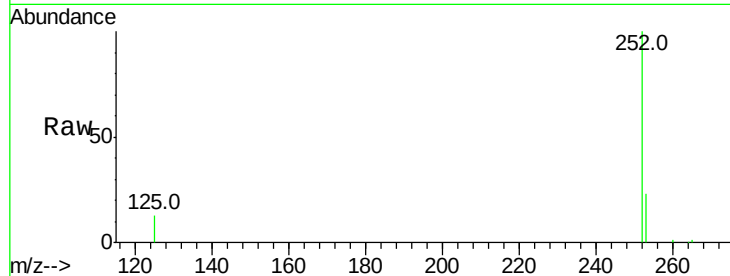
Tot Ion:252 Resp: 1000330

Ion Ratio Lower Upper

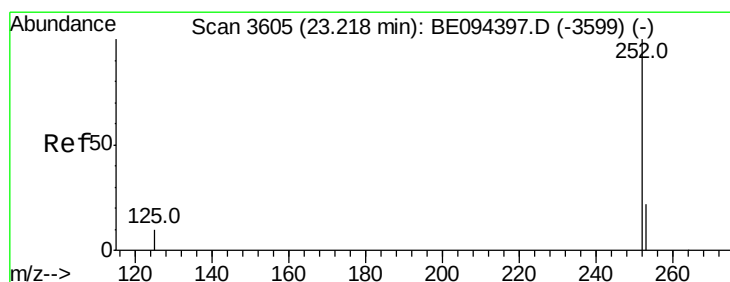
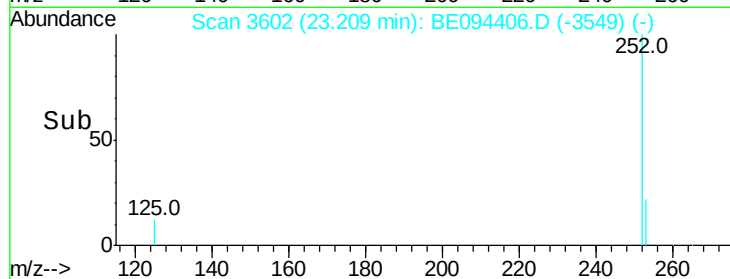
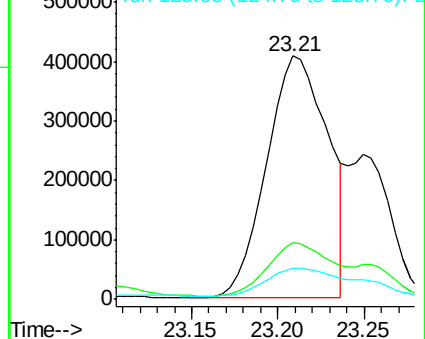
252 100

253 23.4 0.0 64.2

125 12.8 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: 0.660 ng/ul

RT: 23.21 min Scan# 3602

Delta R.T. -0.01 min

Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

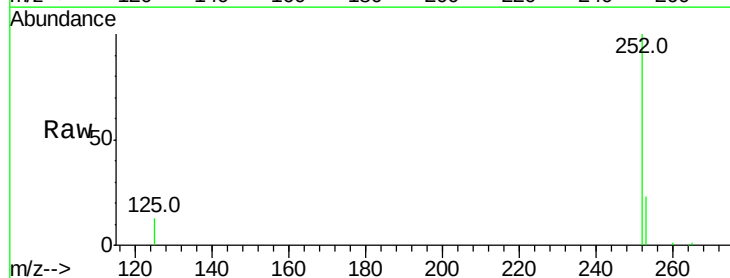
Tgt Ion:252 Resp: 1000330

Ion Ratio Lower Upper

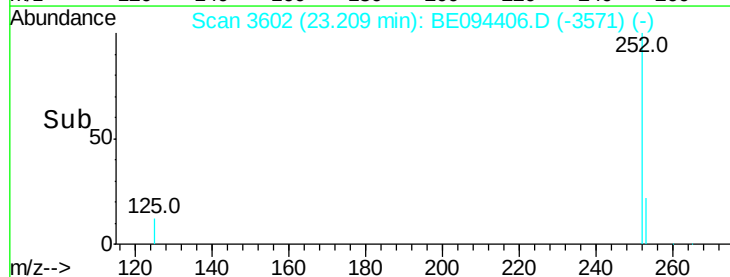
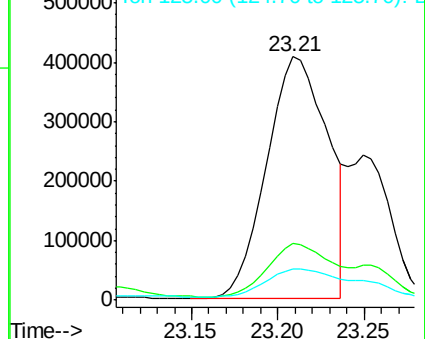
252 100

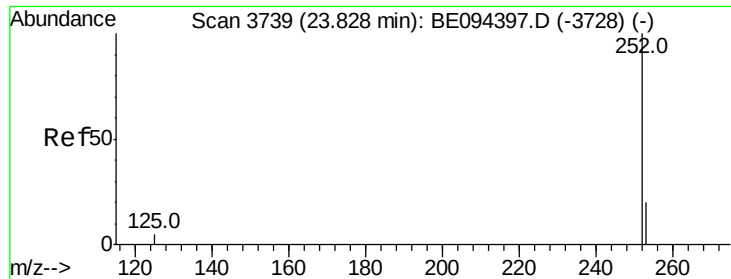
253 23.4 24.5 36.7#

125 12.8 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: 0.364 ng/ul

RT: 23.76 min Scan# 3724

Delta R.T. -0.06 min

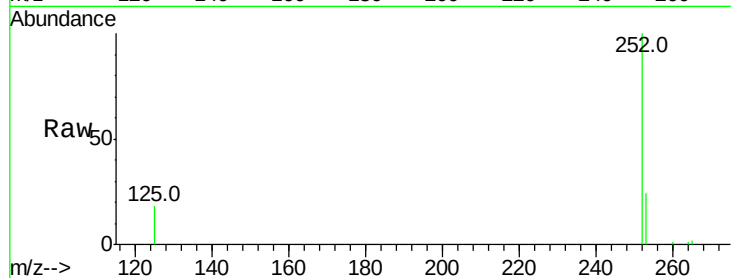
Lab File: BE094406.D

Acq: 15 Oct 2017 23:04

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	252	Resp:	496479
Ion	Ratio	Lower	Upper
252	100		
253	23.7	28.5	42.7#
125	18.1	18.1	27.1

