

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094401.D
 Acq On : 15 Oct 2017 19:59
 Operator : SJ/JU
 Sample : I5548-22DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 07:53:41 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

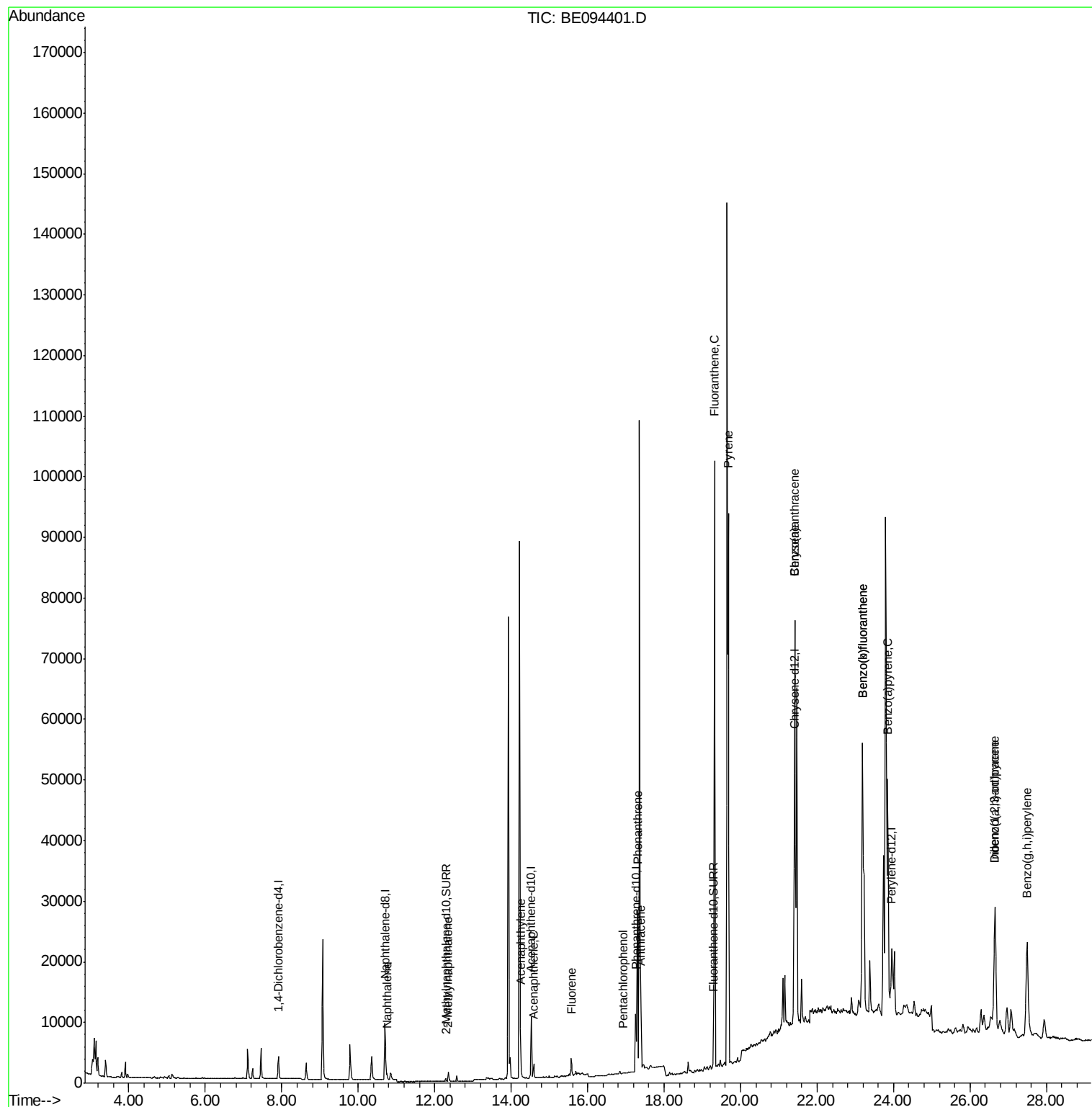
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1975	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10301	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5947	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12668	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	12904	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11948	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	731	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1706	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	1536	0.061	ng/ul#	89
5) 2-Methylnaphthalene	12.36	142	1499	0.092	ng/ul	97
7) Acenaphthylene	14.25	152	2263	0.098	ng/ul#	92
8) Acenaphthene	14.59	153	1509	0.079	ng/ul	99
9) Fluorene	15.57	166	1941	0.087	ng/ul	90
11) Pentachlorophenol	16.93	266	45	0.030	ng/ul#	20
12) Phenanthrene	17.31	178	41674	1.259	ng/ul	95
13) Anthracene	17.39	178	11206	0.348	ng/ul	96
15) Fluoranthene	19.32	202	110424	2.539	ng/ul	84
17) Pyrene	19.68	202	101565	2.829	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	62793	1.834	ng/ul#	88
19) Chrysene	21.41	228	62793	1.588	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	108791	3.352	ng/ul	91
22) Benzo(k)fluoranthene	23.19	252	108175	2.883	ng/ul#	92
23) Benzo(a)pyrene	23.85	252	57763	1.713	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	26.65	276	40062	1.161	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.65	278	10153	0.351	ng/ul#	40
26) Benzo(g,h,i)perylene	27.50	276	40359	1.356	ng/ul#	88

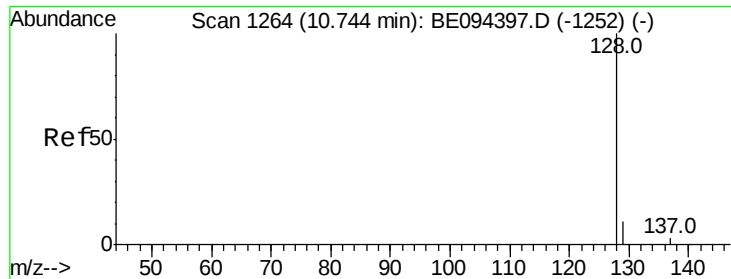
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.061 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

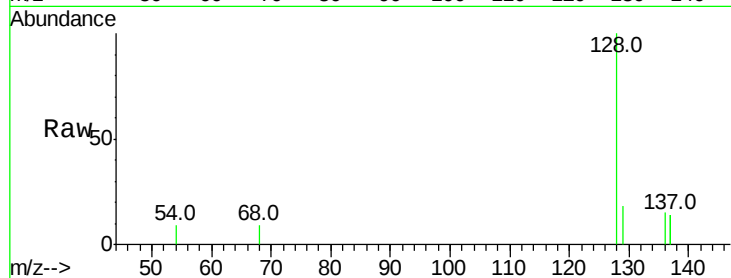
Tot Ion:128 Resp: 1536

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

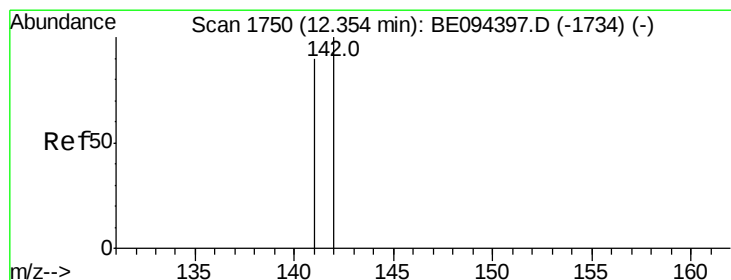
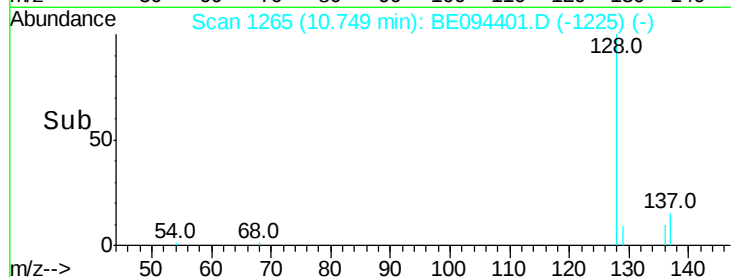
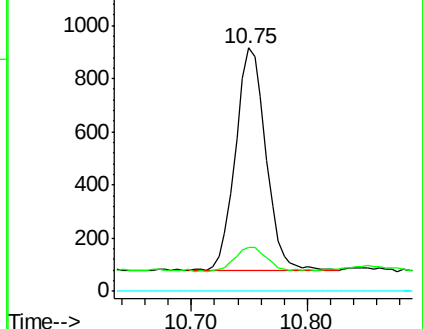
127 0.0 4.0 6.0#



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: 0.092 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BE094401.D

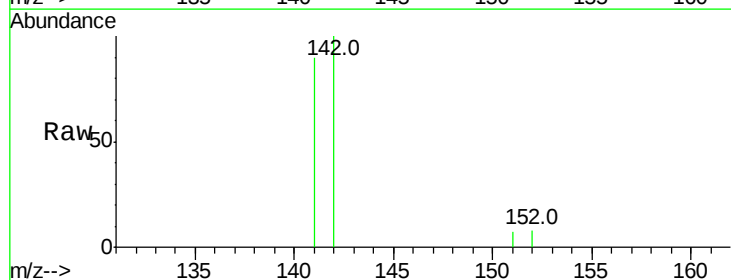
Acq: 15 Oct 2017 19:59

Tgt Ion:142 Resp: 1499

Ion Ratio Lower Upper

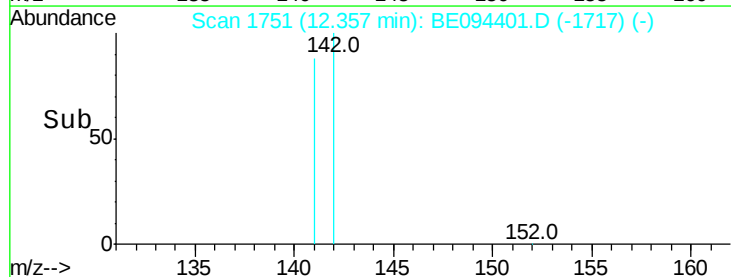
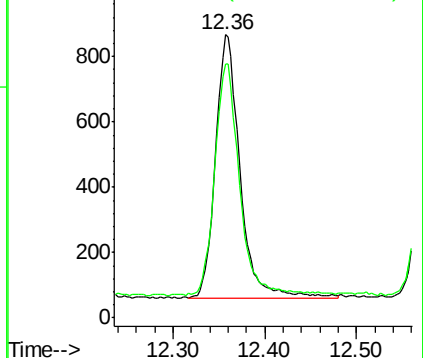
142 100

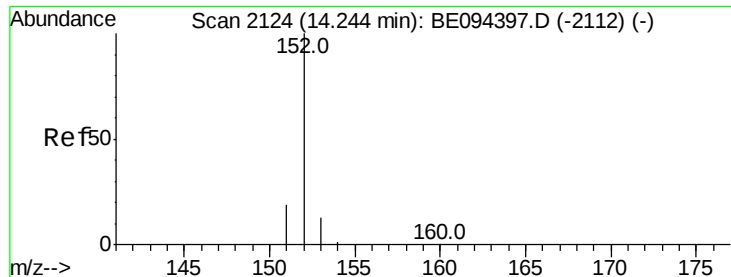
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.098 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

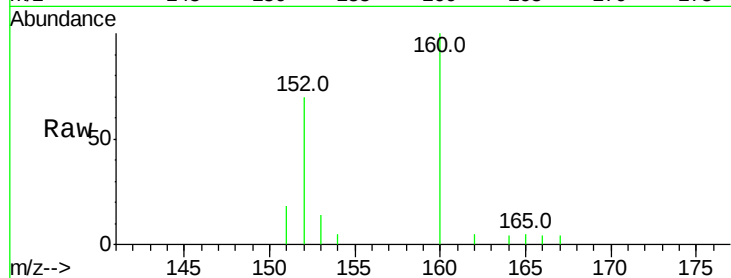
Tot Ion:152 Resp: 2263

Ion Ratio Lower Upper

152 100

151 25.5 17.1 25.7

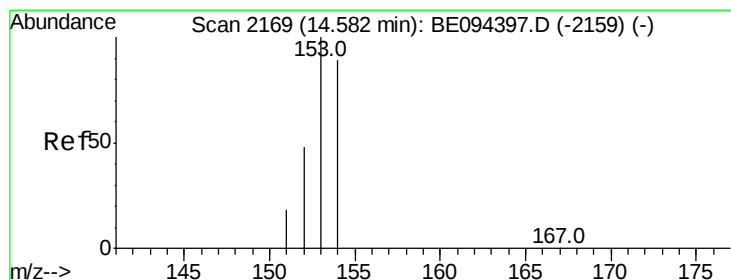
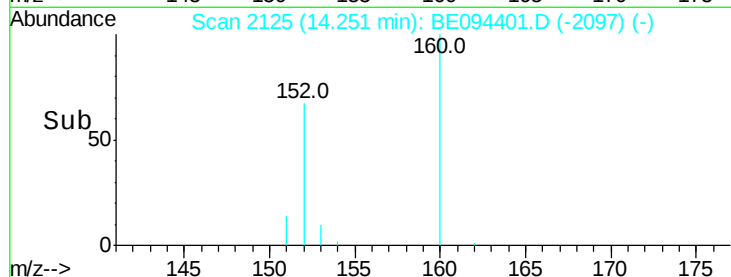
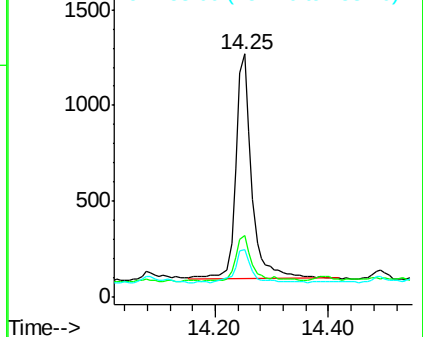
153 19.5 12.8 19.2#



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: 0.079 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

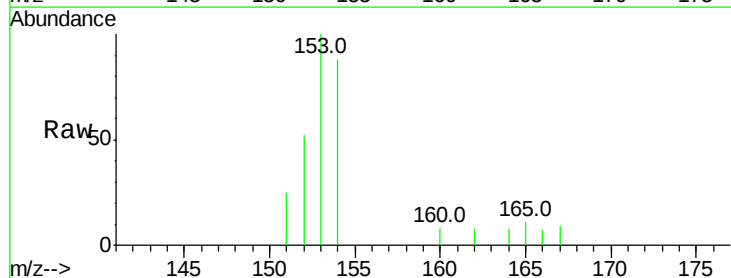
Tgt Ion:153 Resp: 1509

Ion Ratio Lower Upper

153 100

152 52.0 40.3 60.5

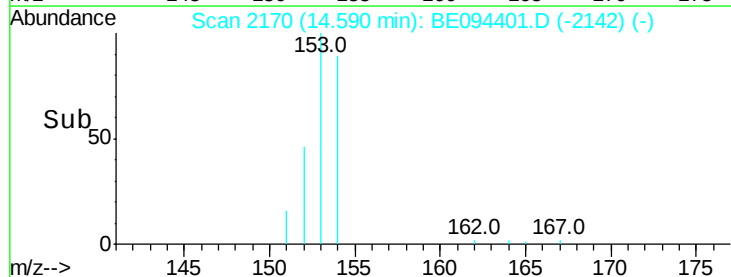
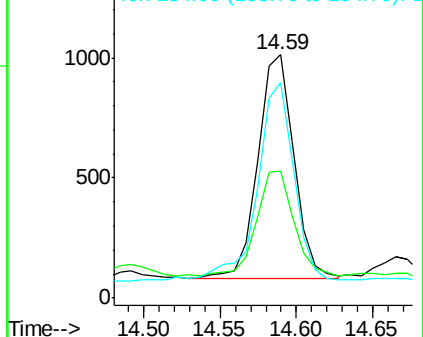
154 88.4 71.4 107.2

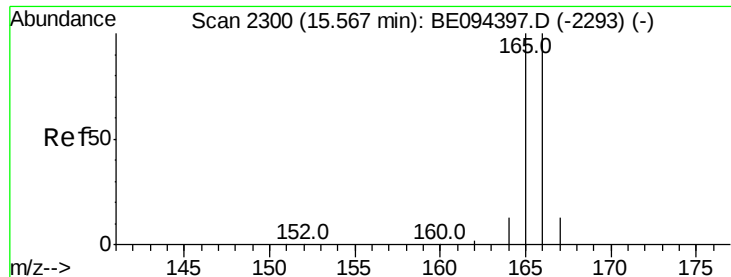


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

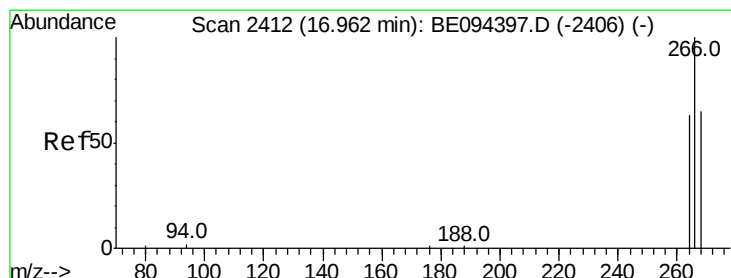
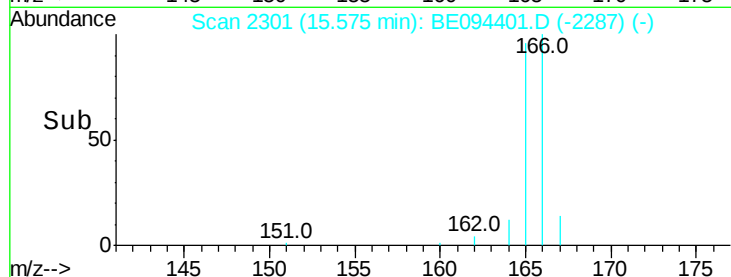
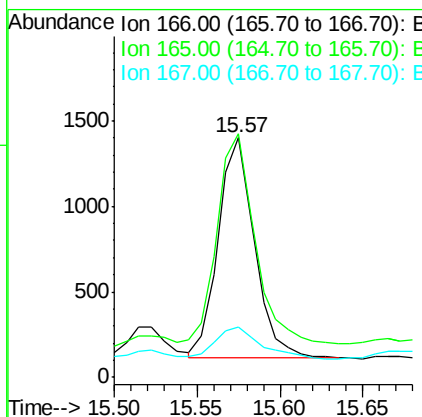
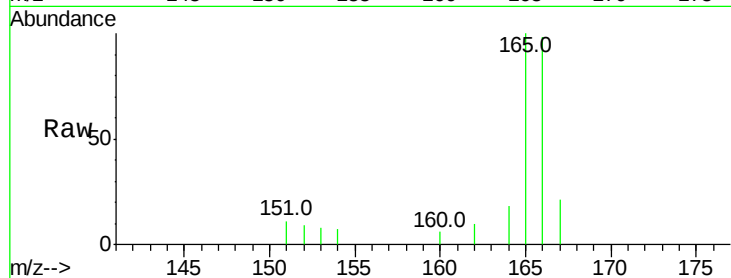




#9
Fluorene
 Concen: 0.087 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BE094401.D
 Acq: 15 Oct 2017 19:59

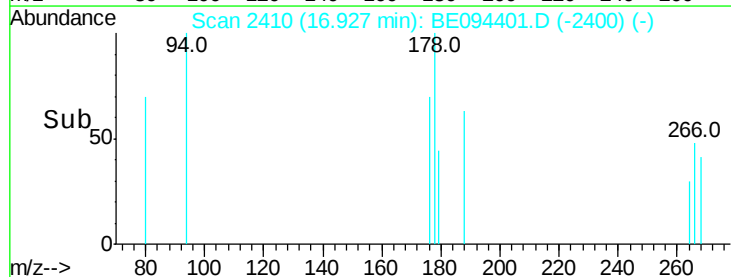
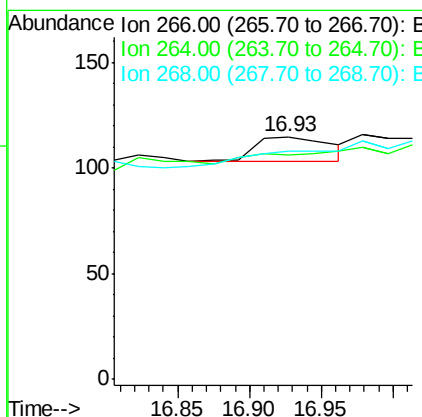
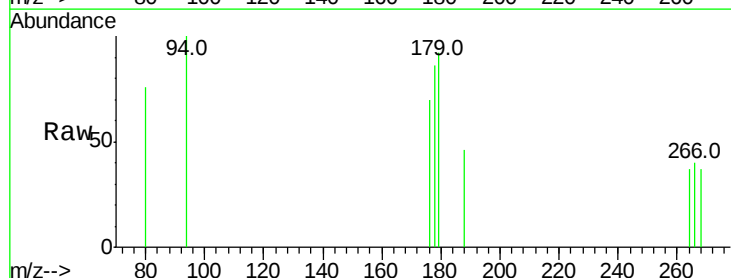
Instrument :
 BNA_E
 ClientSampleId :

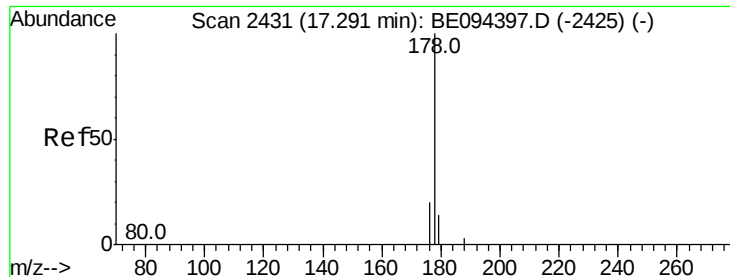
Tot Ion:166 Resp: 1941
 Ion Ratio Lower Upper
 166 100
 165 101.8 73.4 110.2
 167 21.0 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.030 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.03 min
 Lab File: BE094401.D
 Acq: 15 Oct 2017 19:59

Tgt Ion:266 Resp: 45
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 1.259 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.02 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

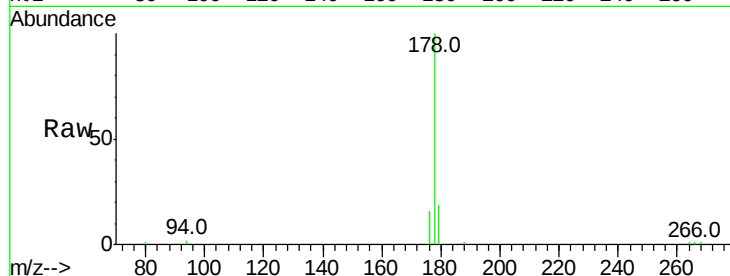
Tot Ion:178 Resp: 41674

Ion Ratio Lower Upper

178 100

179 19.2 18.4 27.6

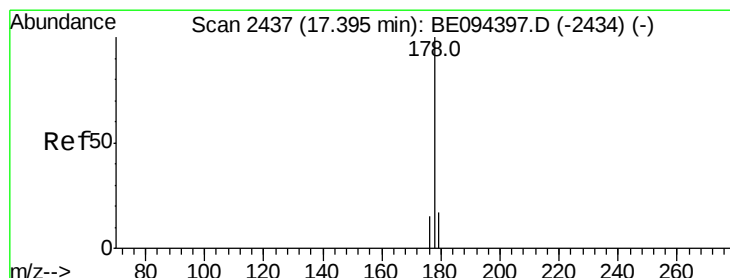
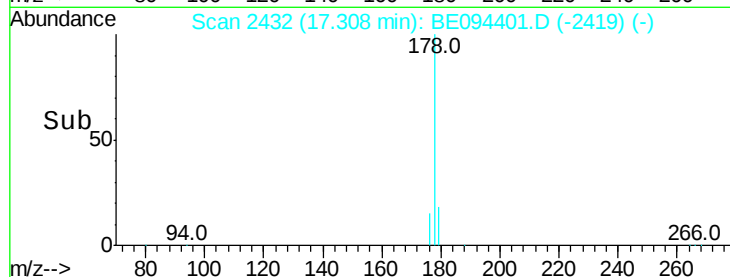
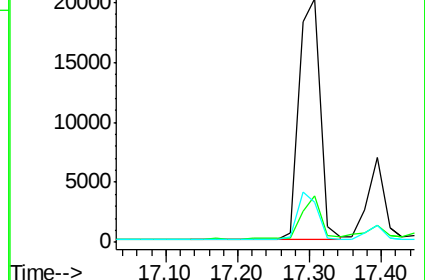
176 16.2 13.6 20.4



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: 0.348 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

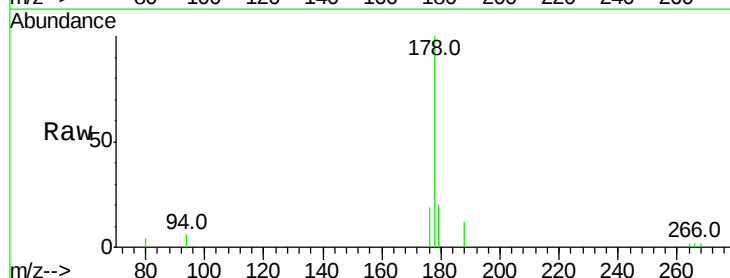
Tgt Ion:178 Resp: 11206

Ion Ratio Lower Upper

178 100

179 20.3 18.1 27.1

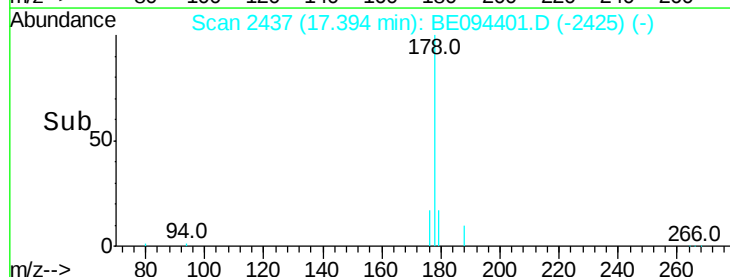
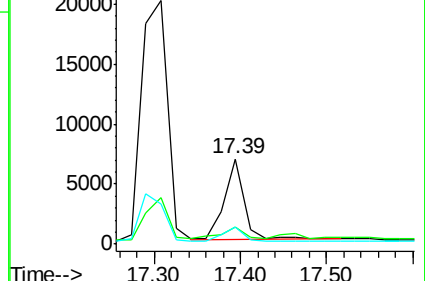
176 19.4 14.7 22.1

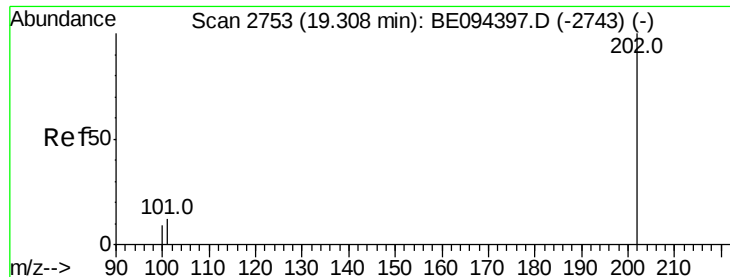


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.539 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

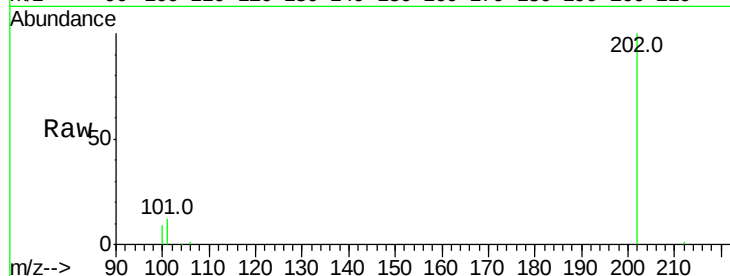
Tot Ion:202 Resp: 110424

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

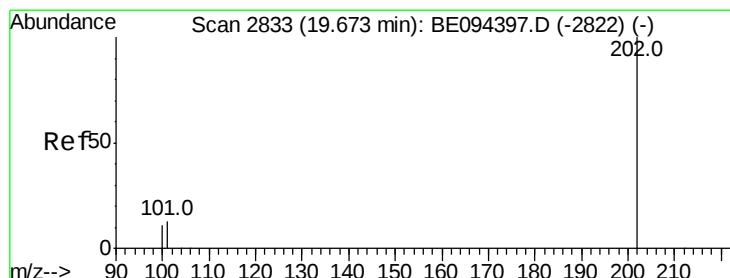
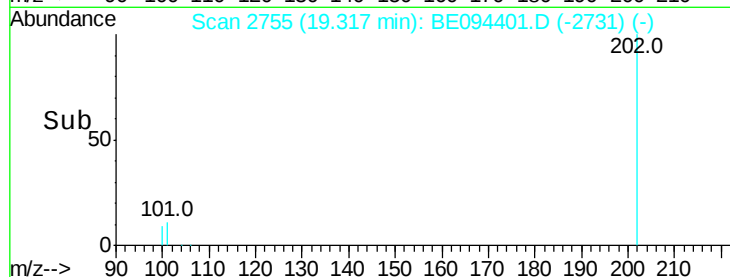
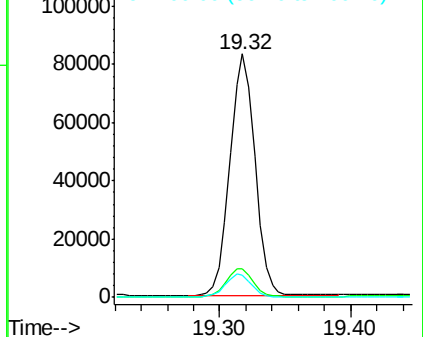
100 9.3 0.0 39.5



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: 2.829 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

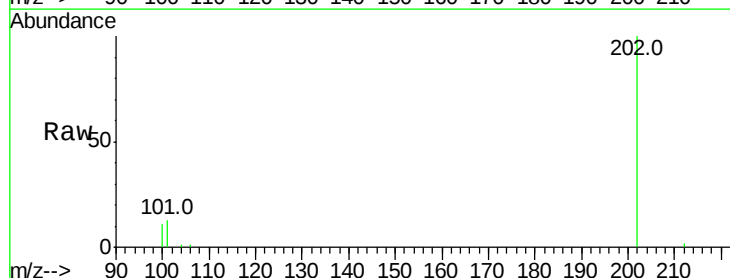
Tgt Ion:202 Resp: 101565

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

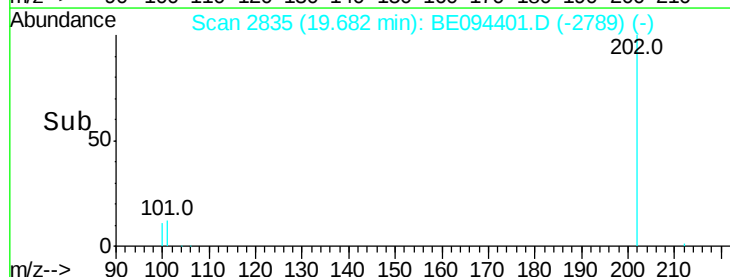
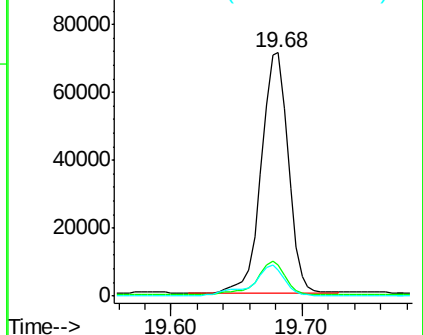
100 10.7 15.6 23.4#

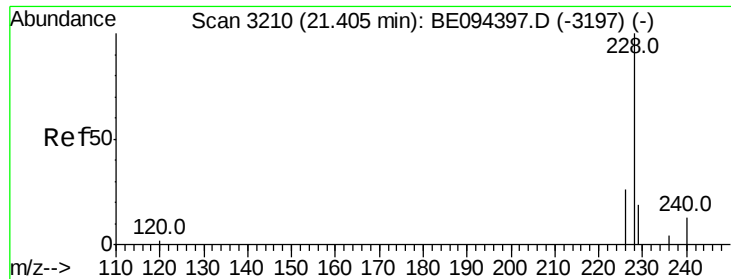


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.834 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

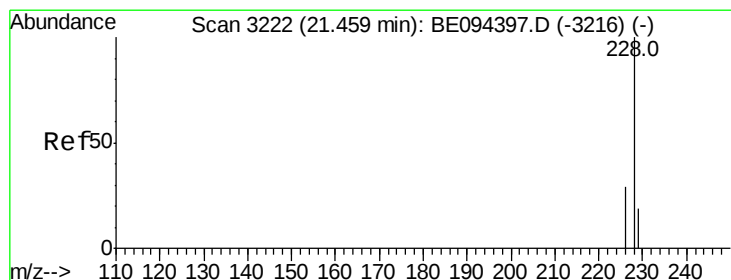
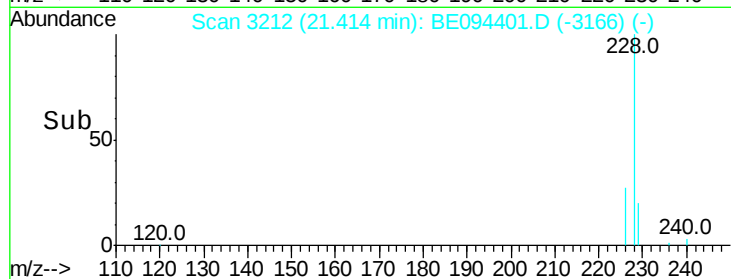
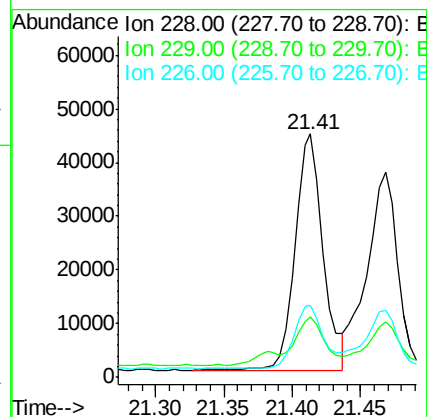
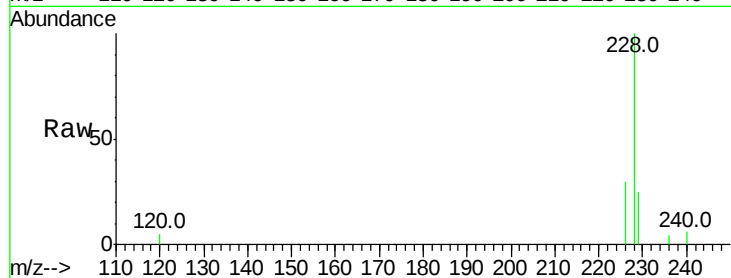
Tot Ion:228 Resp: 62793

Ion Ratio Lower Upper

228 100

229 24.8 22.8 34.2

226 29.6 17.0 25.6#



#19

Chrysene

Concen: 1.588 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.05 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

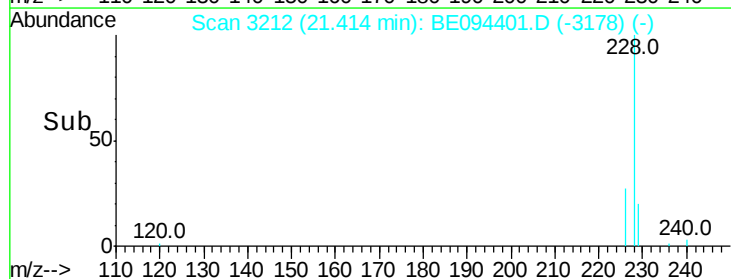
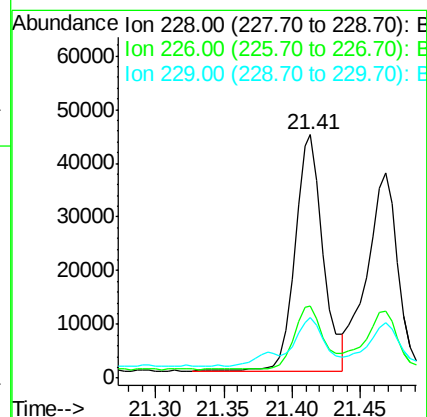
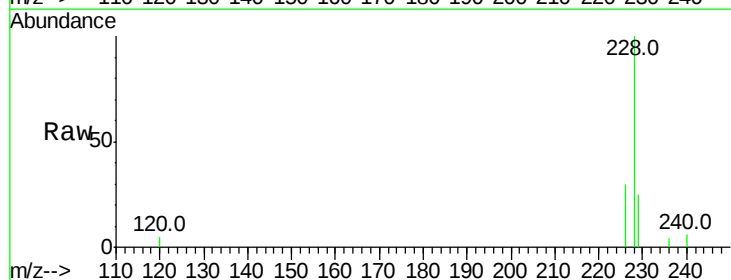
Tgt Ion:228 Resp: 62793

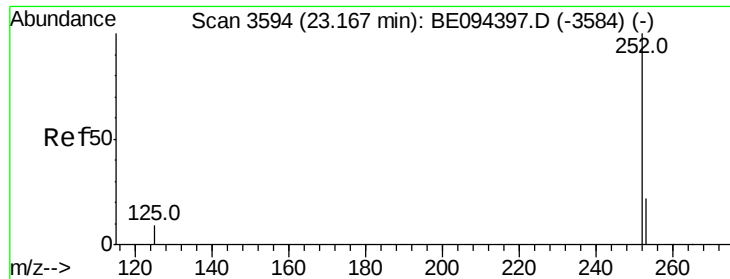
Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

229 24.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.352 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.02 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

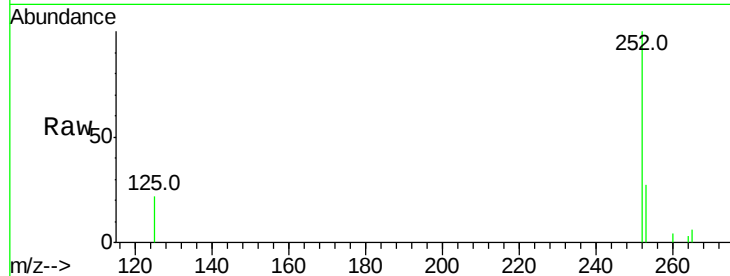
Tot Ion:252 Resp: 108791

Ion Ratio Lower Upper

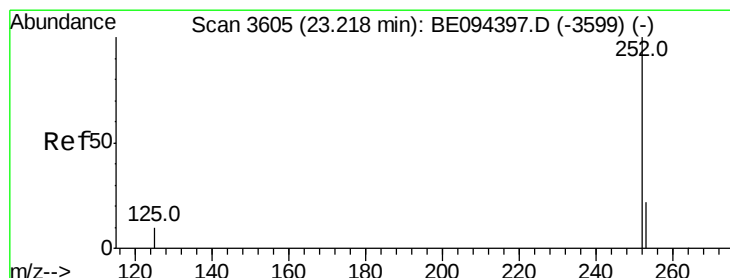
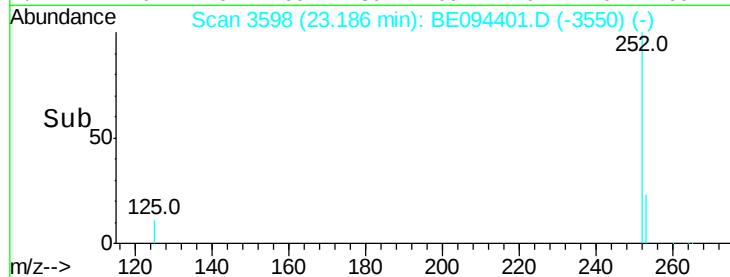
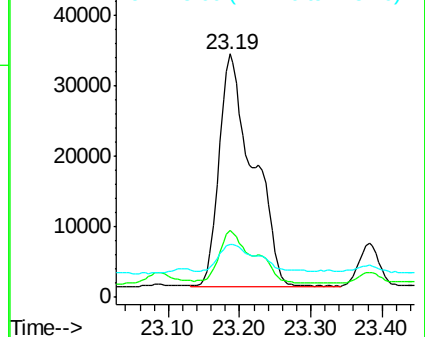
252 100

253 27.4 0.0 64.2

125 21.7 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: 2.883 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.03 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

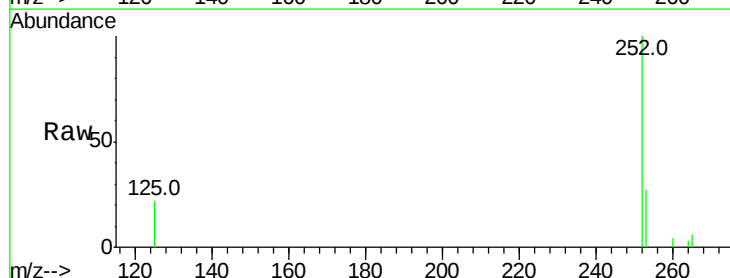
Tgt Ion:252 Resp: 108175

Ion Ratio Lower Upper

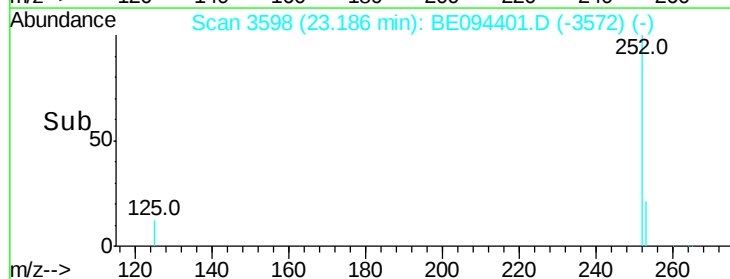
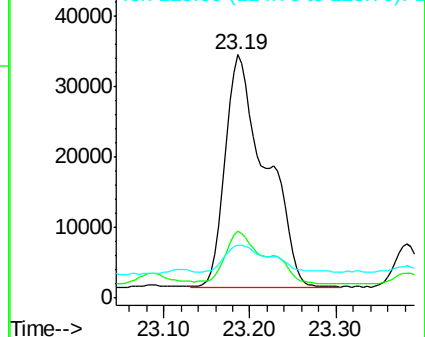
252 100

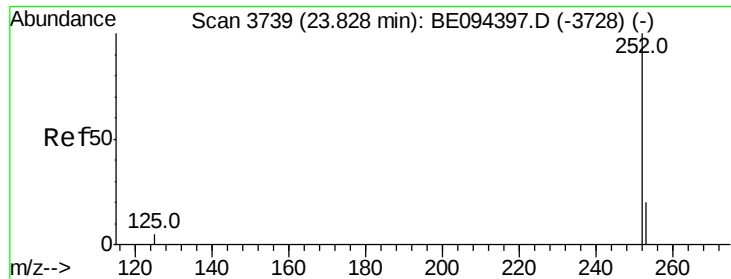
253 27.4 24.5 36.7

125 21.7 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: 1.713 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. 0.02 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

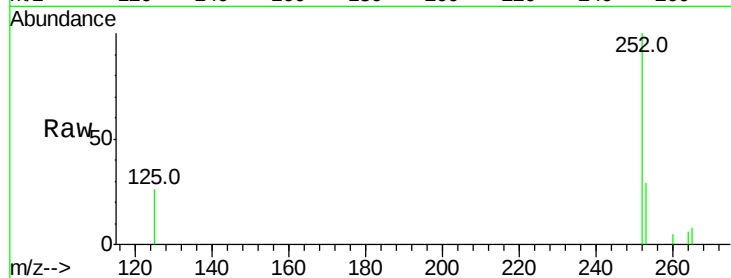
Tot Ion:252 Resp: 57763

Ion Ratio Lower Upper

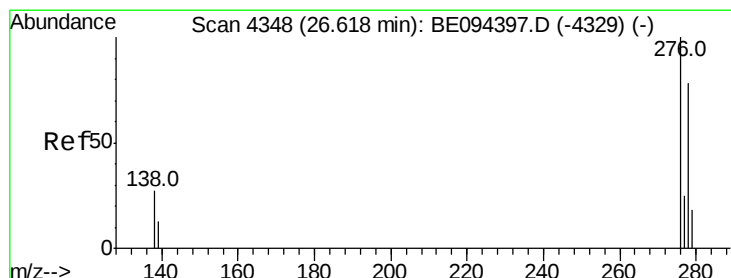
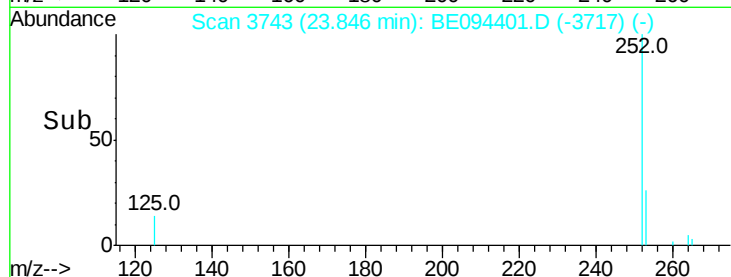
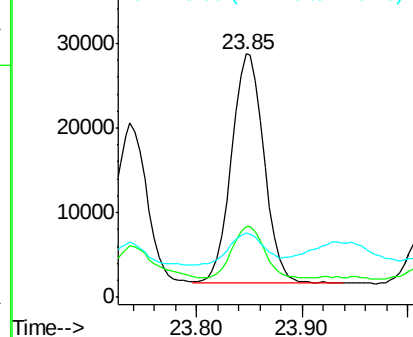
252 100

253 29.0 28.5 42.7

125 26.4 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.161 ng/ul

RT: 26.65 min Scan# 4356

Delta R.T. 0.04 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

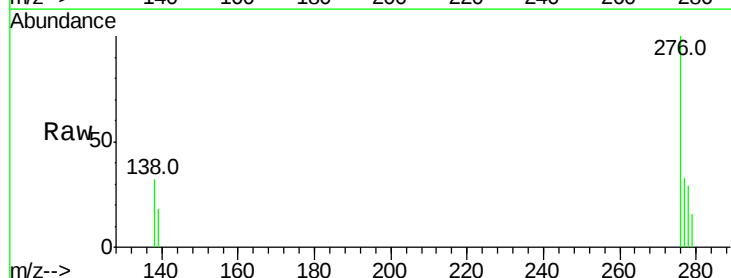
Tgt Ion:276 Resp: 40062

Ion Ratio Lower Upper

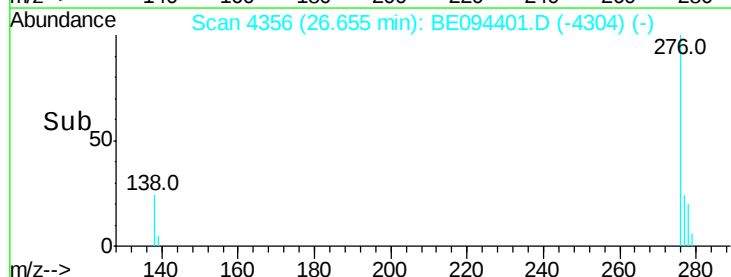
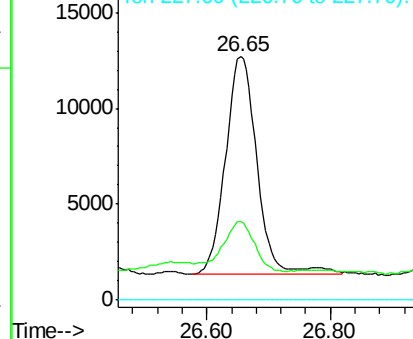
276 100

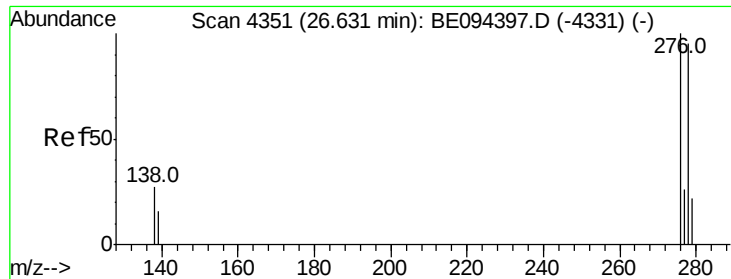
138 22.8 28.0 42.0#

227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.351 ng/u1

RT: 26.65 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

Instrument :

BNA_E

ClientSampleId :

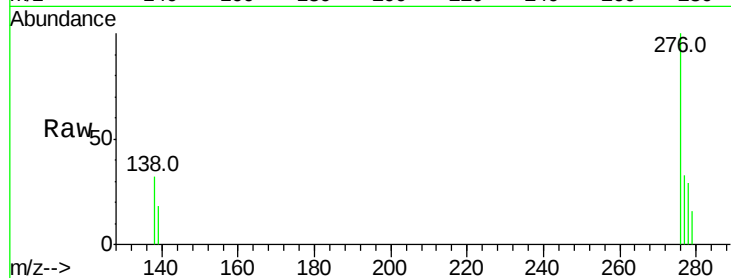
Tot Ion:278 Resp: 10153

Ion Ratio Lower Upper

278 100

139 63.5 17.4 26.0#

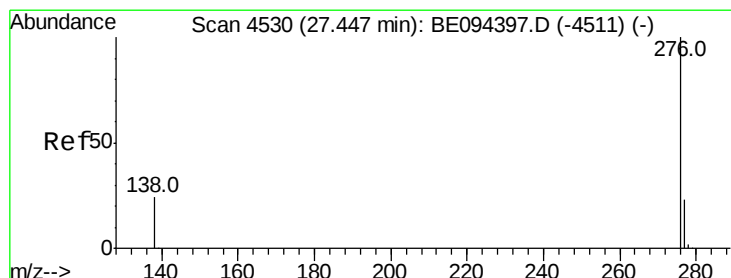
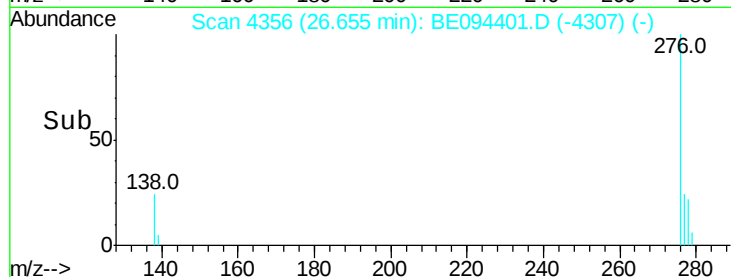
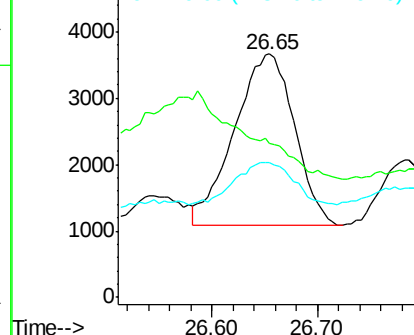
279 55.6 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 1.356 ng/u1

RT: 27.50 min Scan# 4541

Delta R.T. 0.05 min

Lab File: BE094401.D

Acq: 15 Oct 2017 19:59

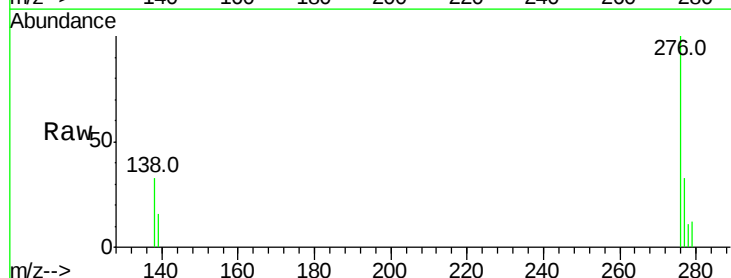
Tgt Ion:276 Resp: 40359

Ion Ratio Lower Upper

276 100

138 32.6 21.8 32.8

277 33.1 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

