

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094566.D
 Acq On : 26 Oct 2017 17:24
 Operator : SJ/JU
 Sample : I5719-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:41:19 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

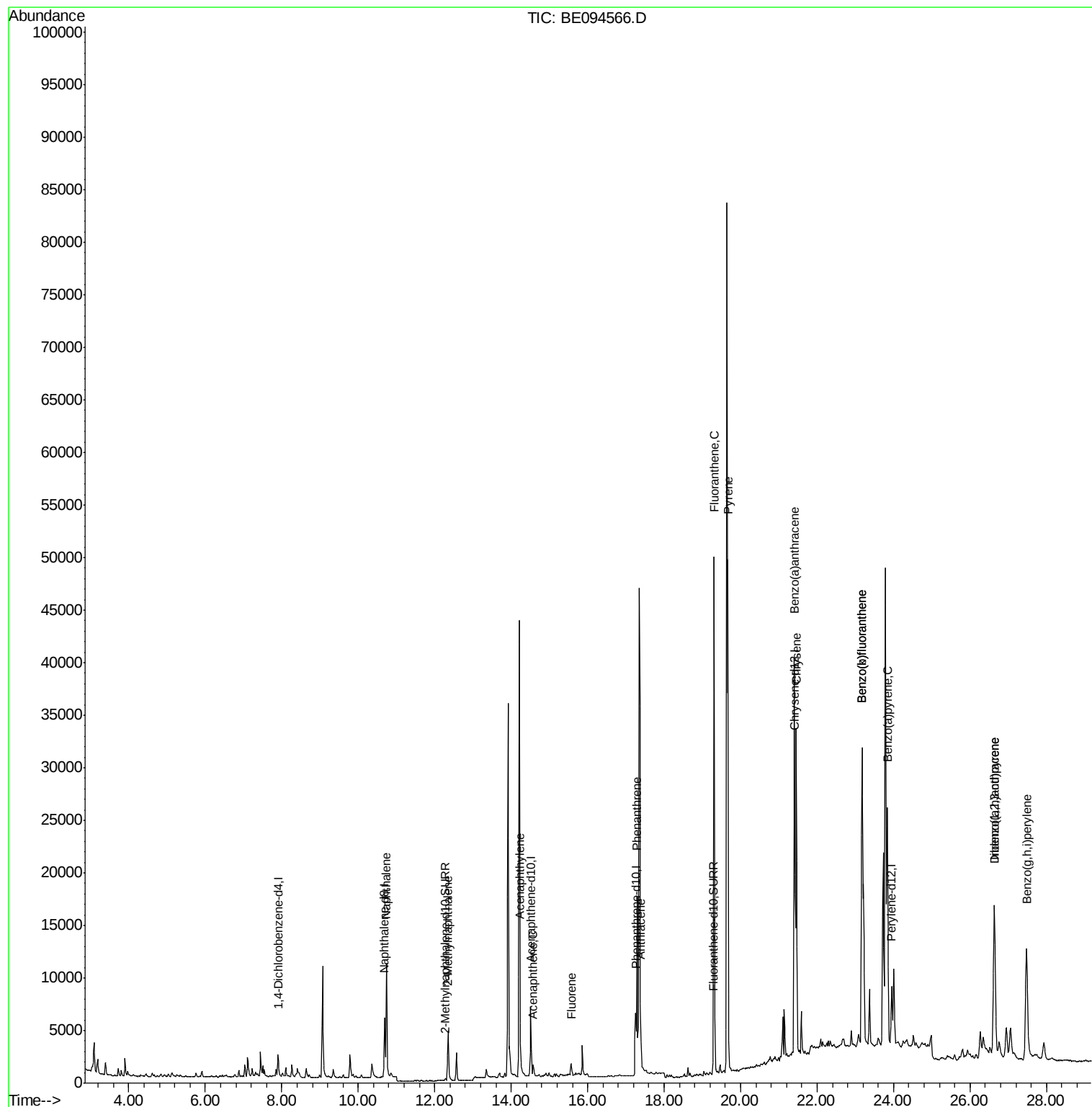
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1219	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6992	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	3998	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8834	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8762	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9003	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	415	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1021	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	18531	1.084	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	5073	0.424	ng/ul	99
7) Acenaphthylene	14.24	152	2429	0.134	ng/ul#	92
8) Acenaphthene	14.57	153	774	0.060	ng/ul#	91
9) Fluorene	15.57	166	891	0.061	ng/ul#	91
12) Phenanthrene	17.29	178	19014	0.815	ng/ul#	91
13) Anthracene	17.38	178	5106	0.222	ng/ul	92
15) Fluoranthene	19.31	202	59229	2.196	ng/ul	84
17) Pyrene	19.67	202	54319	2.005	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	34229	1.367	ng/ul#	88
19) Chrysene	21.46	228	33801	1.306	ng/ul	97
21) Benzo(b)fluoranthene	23.18	252	72487	2.862	ng/ul	90
22) Benzo(k)fluoranthene	23.18	252	72462	2.670	ng/ul	92
23) Benzo(a)pyrene	23.84	252	35969	1.421	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.64	276	28987	1.107	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.63	278	7189	0.326	ng/ul#	79
26) Benzo(a,h,i)perylene	27.48	276	28782	1.368	ng/ul	97

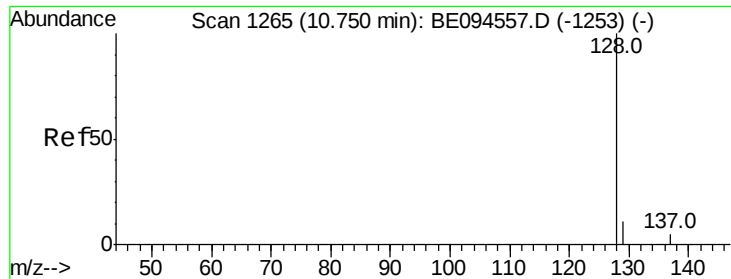
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.084 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

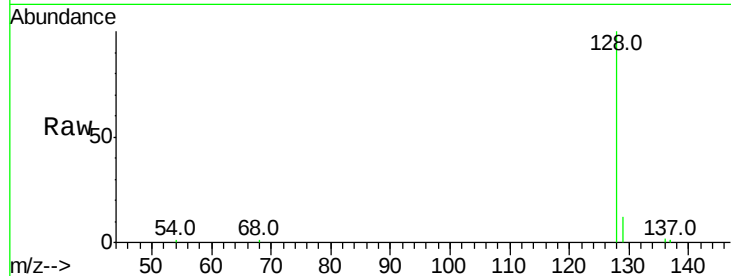
Tot Ion:128 Resp: 18531

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

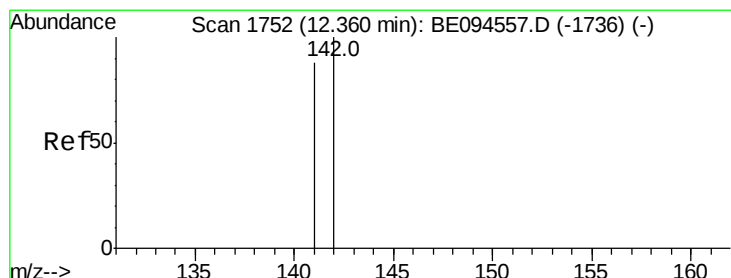
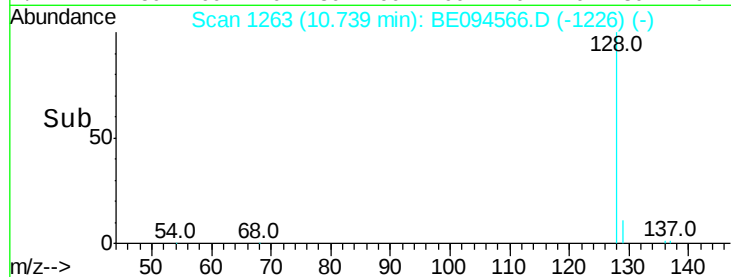
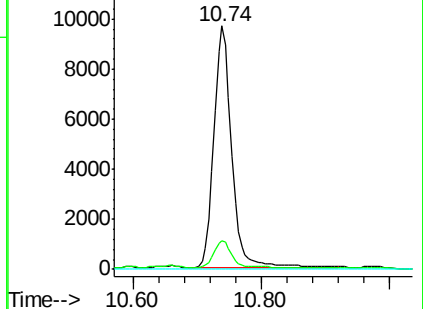
127 0.0 4.0 6.0#



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: 0.424 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094566.D

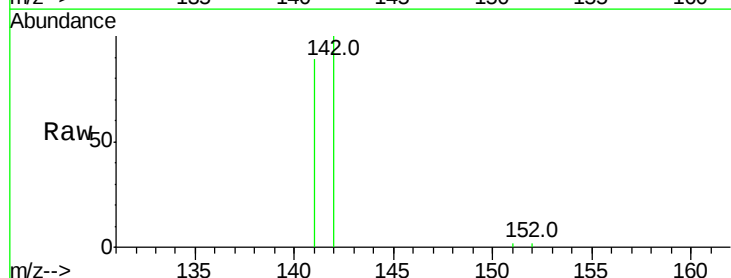
Acq: 26 Oct 2017 17:24

Tgt Ion:142 Resp: 5073

Ion Ratio Lower Upper

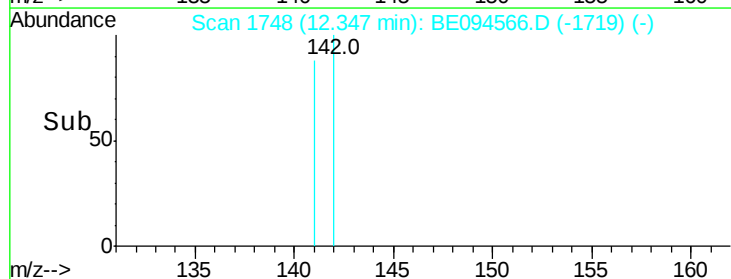
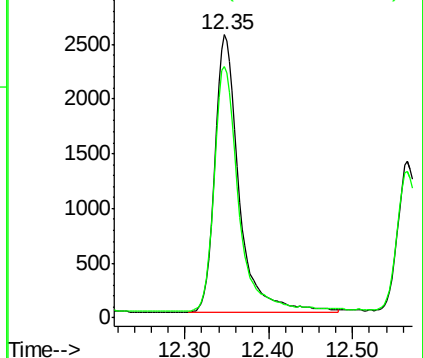
142 100

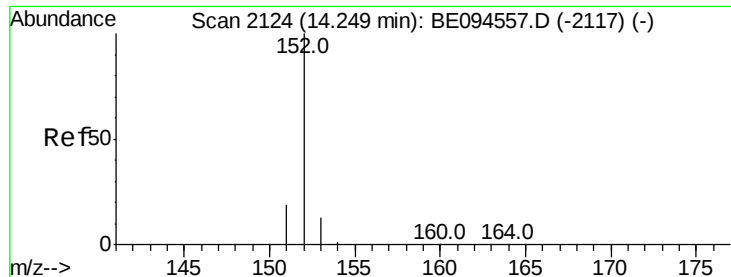
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.134 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

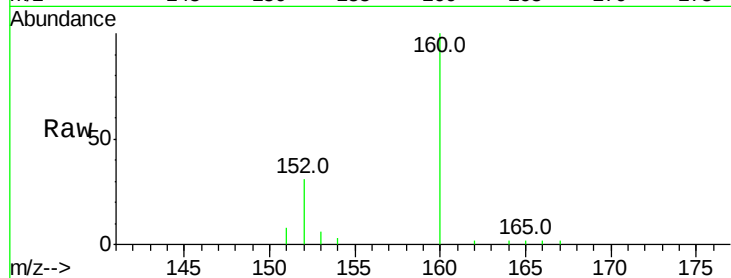
Tot Ion:152 Resp: 2429

Ion Ratio Lower Upper

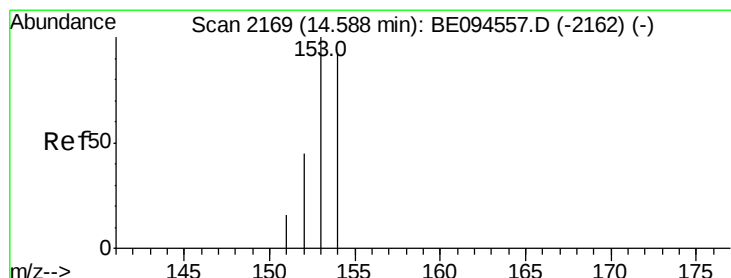
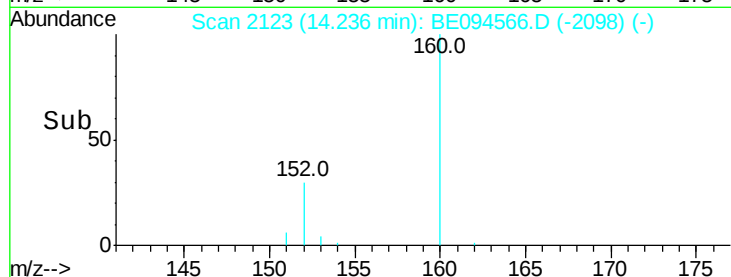
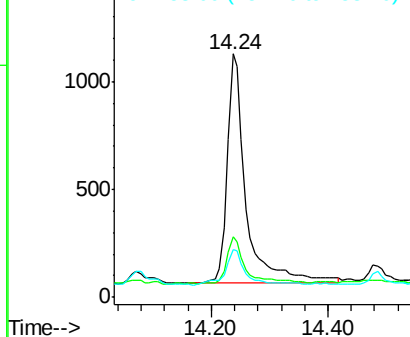
152 100

151 25.0 17.1 25.7

153 19.7 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: 0.060 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

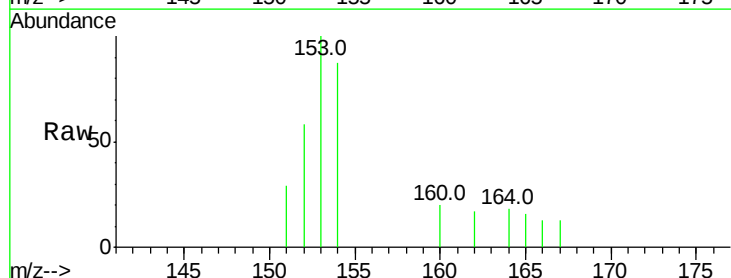
Tgt Ion:153 Resp: 774

Ion Ratio Lower Upper

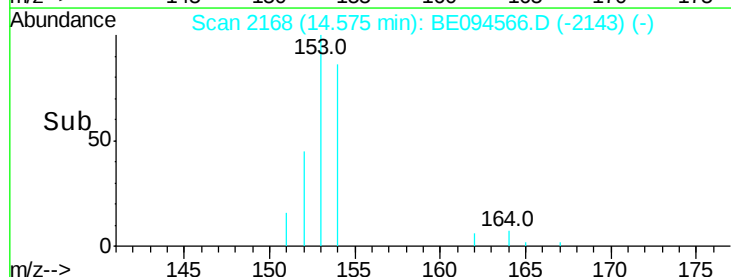
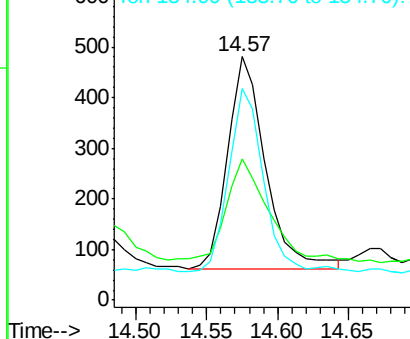
153 100

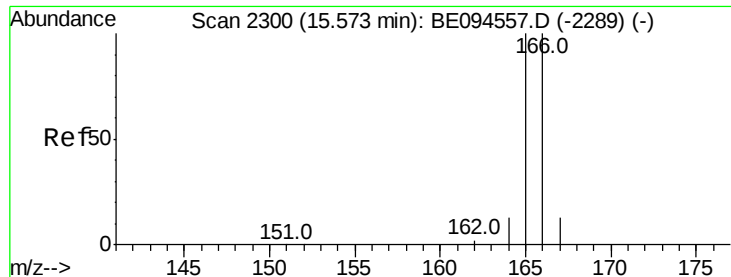
152 58.0 36.0 54.0#

154 87.1 72.0 108.0



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: 0.061 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

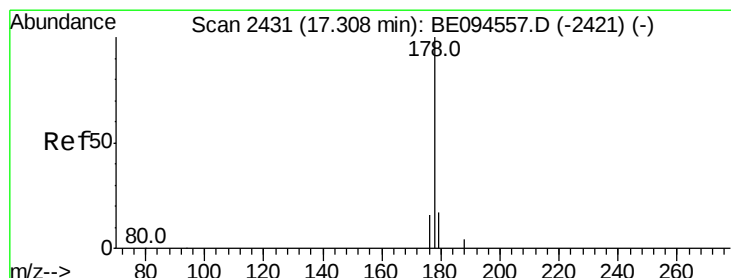
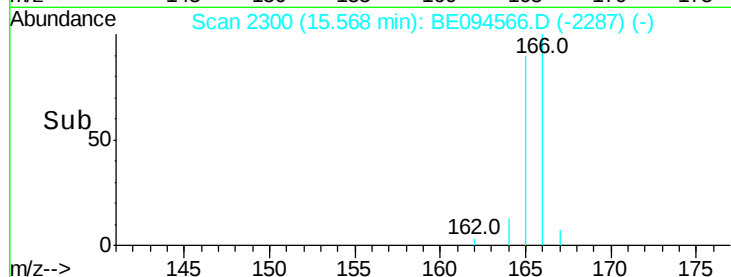
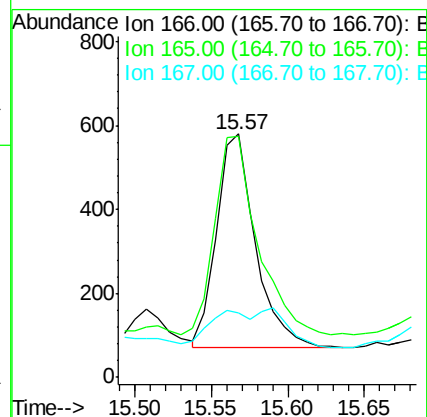
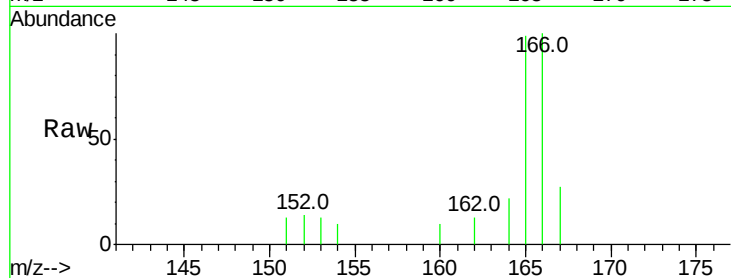
Tot Ion:166 Resp: 891

Ion Ratio Lower Upper

166 100

165 99.0 73.4 110.2

167 26.6 14.6 22.0#



#12

Phenanthrene

Concen: 0.815 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

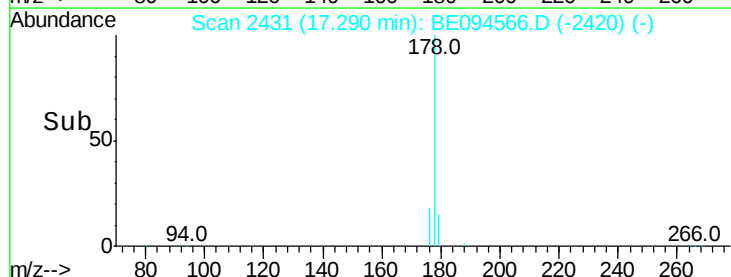
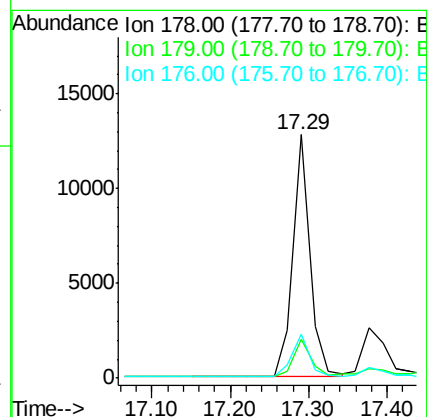
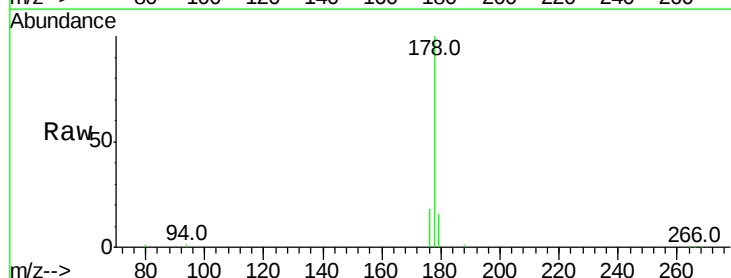
Tgt Ion:178 Resp: 19014

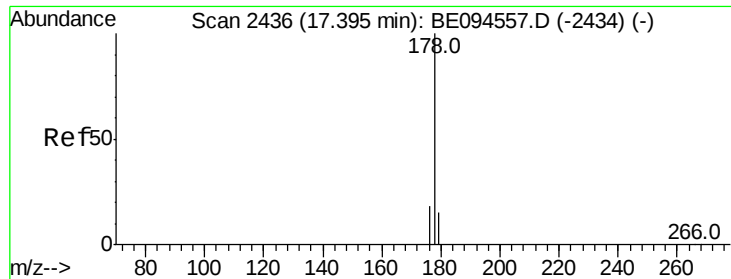
Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

176 18.2 13.6 20.4





#13

Anthracene

Concen: 0.222 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

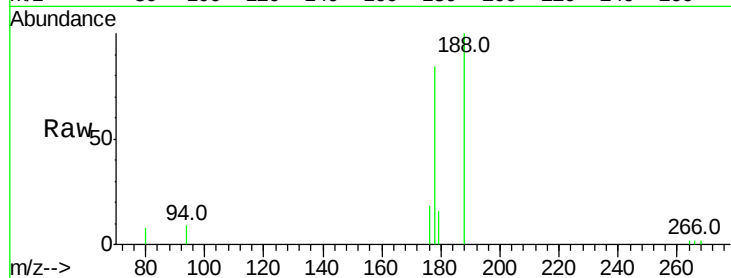
Tot Ion:178 Resp: 5106

Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

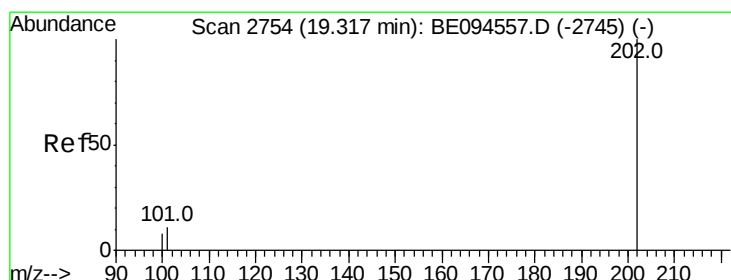
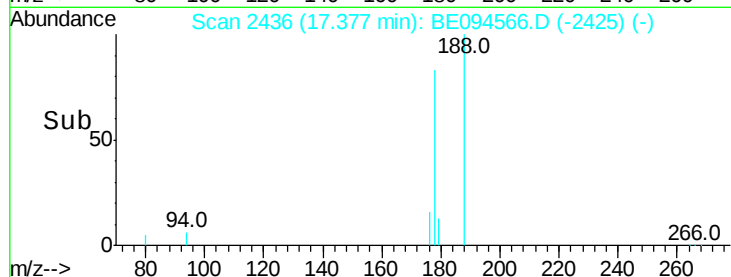
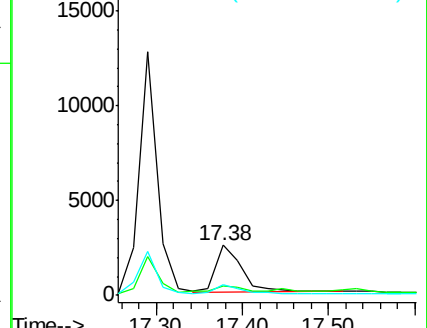
176 21.9 14.7 22.1



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: 2.196 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

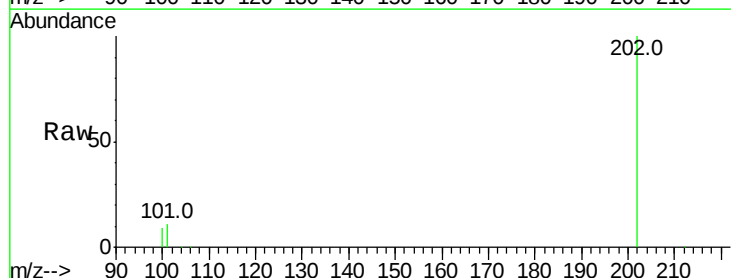
Tgt Ion:202 Resp: 59229

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

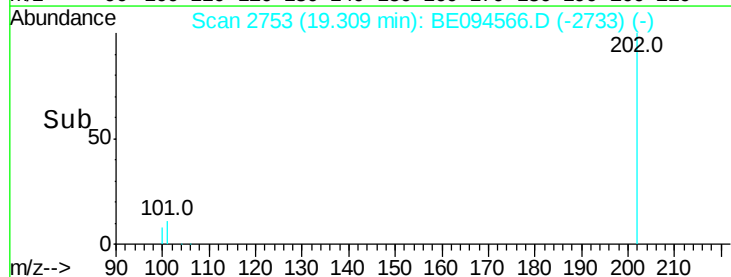
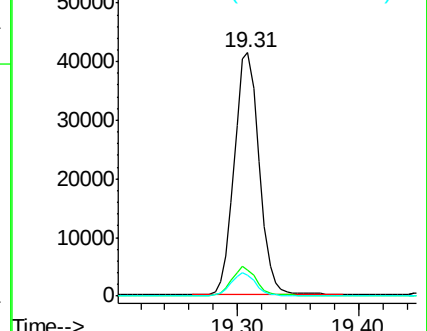
100 8.6 0.0 39.5

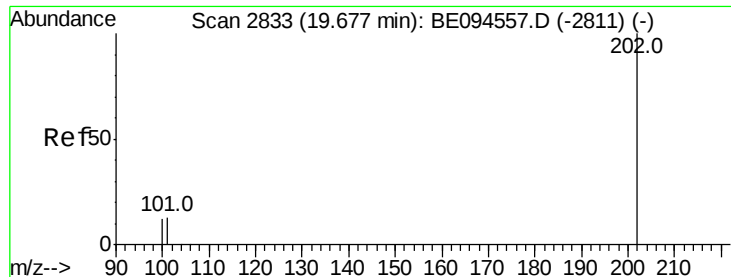


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 2.005 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

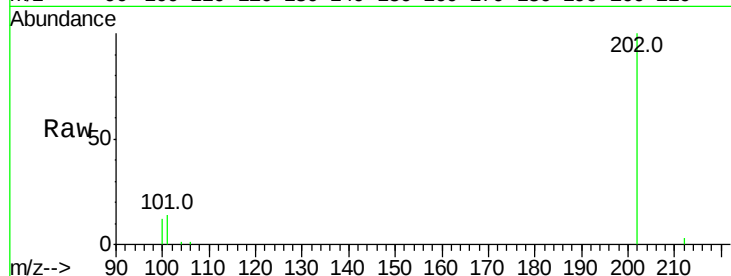
Tot Ion:202 Resp: 54319

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

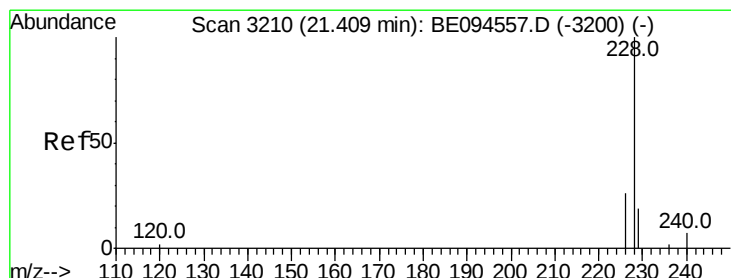
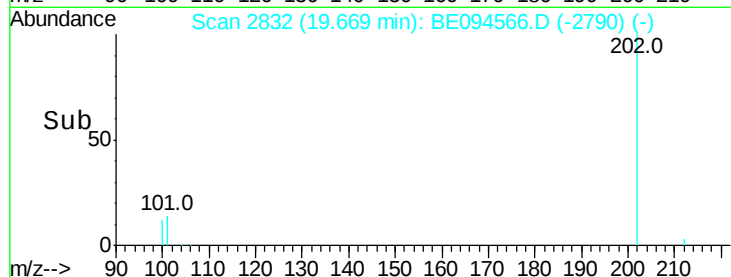
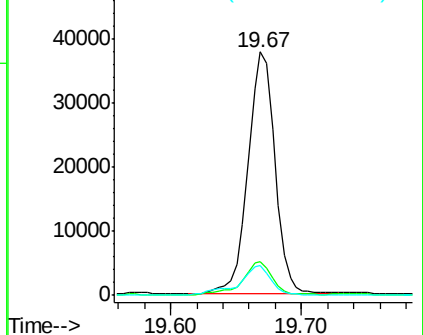
100 12.1 15.6 23.4#



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: 1.367 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

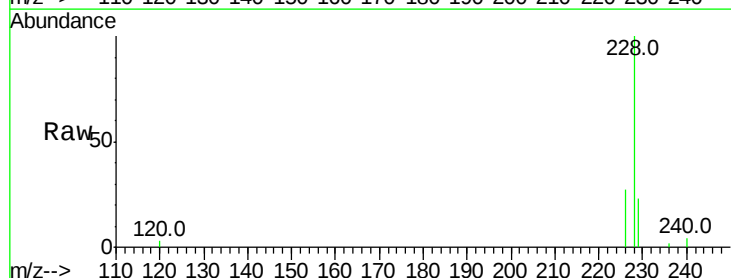
Tgt Ion:228 Resp: 34229

Ion Ratio Lower Upper

228 100

229 22.7 22.8 34.2#

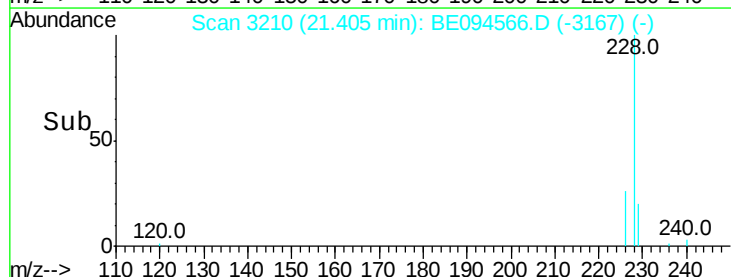
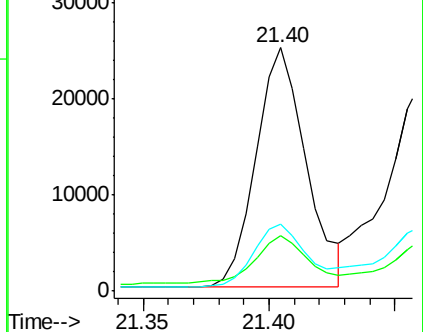
226 27.3 17.0 25.6#

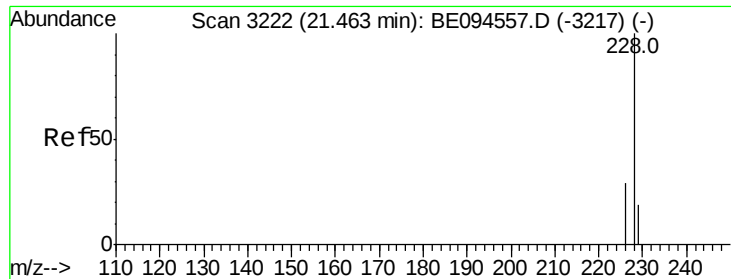


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.306 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

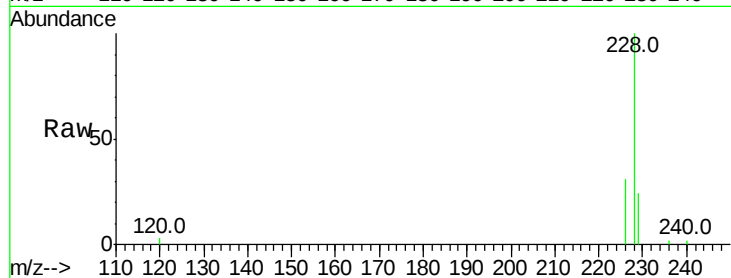
Tot Ion:228 Resp: 33801

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

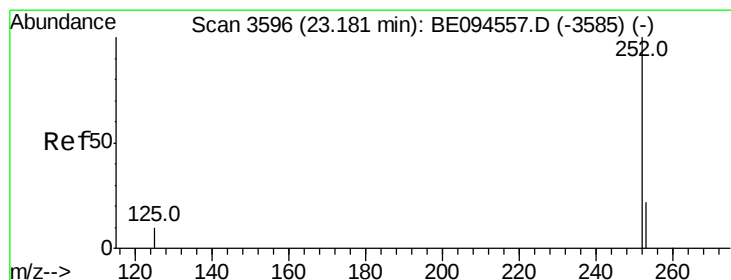
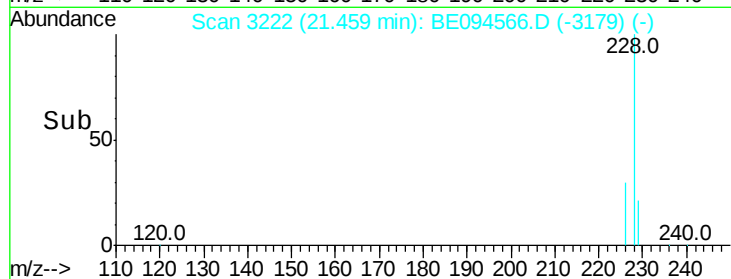
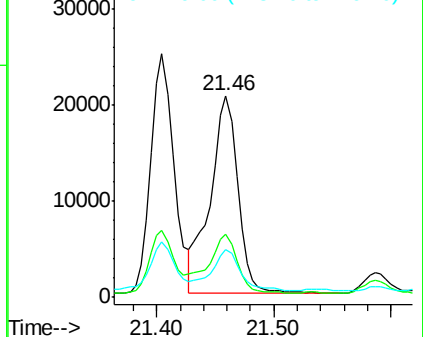
229 23.6 17.7 26.5



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: 2.862 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

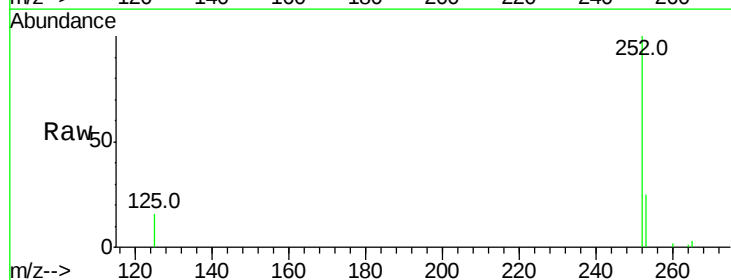
Tgt Ion:252 Resp: 72487

Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

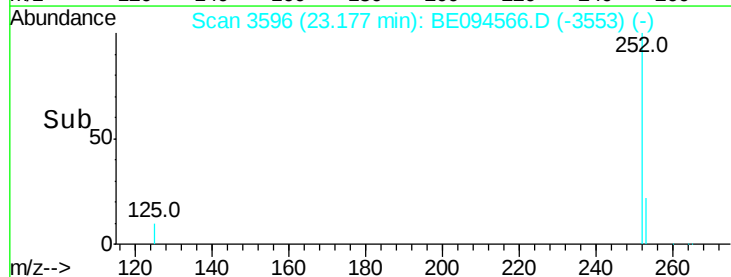
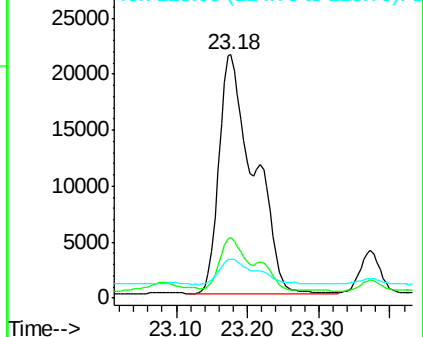
125 16.1 0.0 35.0

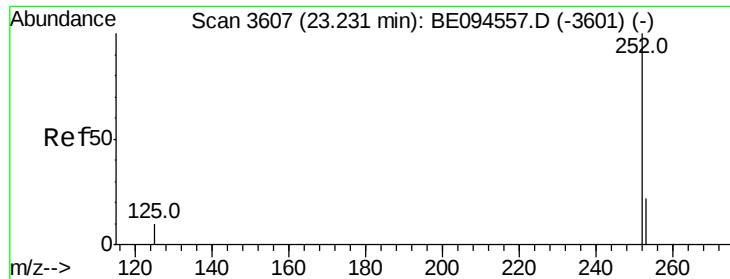


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.670 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :

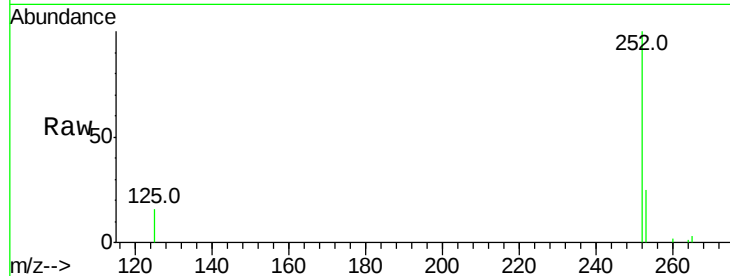
Tot Ion:252 Resp: 72462

Ion Ratio Lower Upper

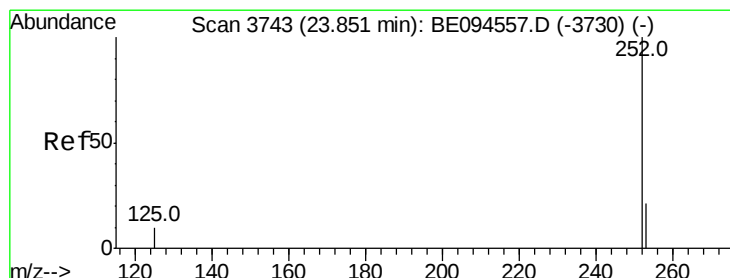
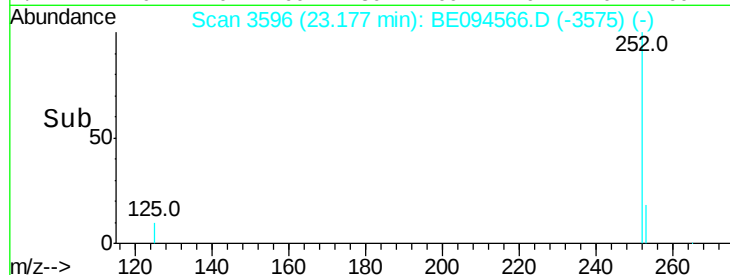
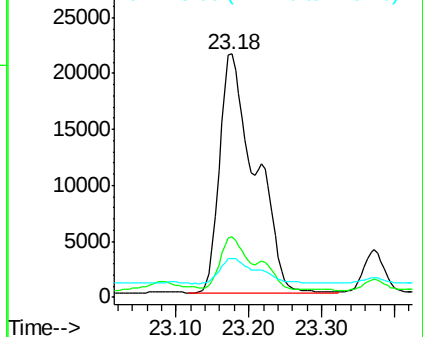
252 100

253 24.7 24.5 36.7

125 16.1 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: 1.421 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.01 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

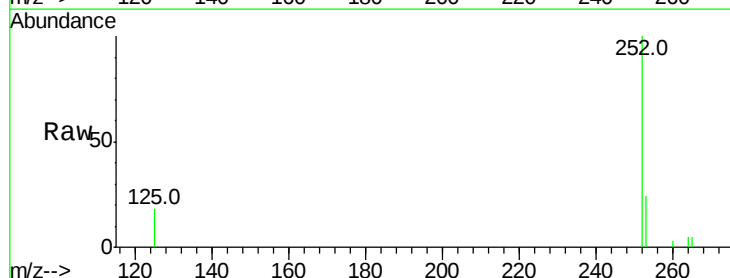
Tgt Ion:252 Resp: 35969

Ion Ratio Lower Upper

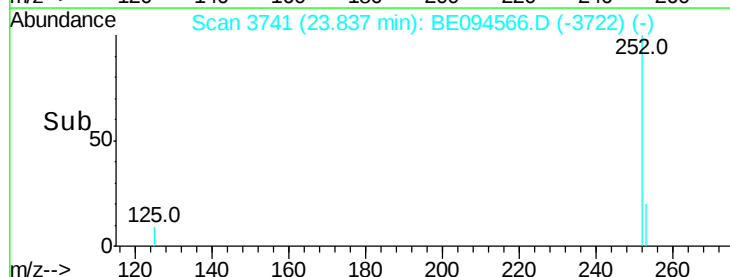
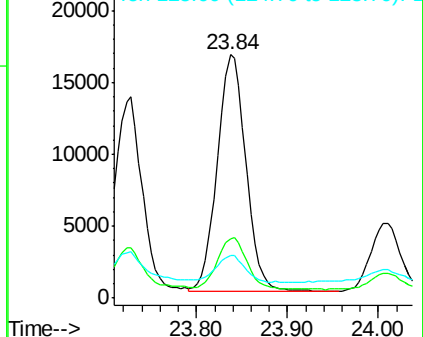
252 100

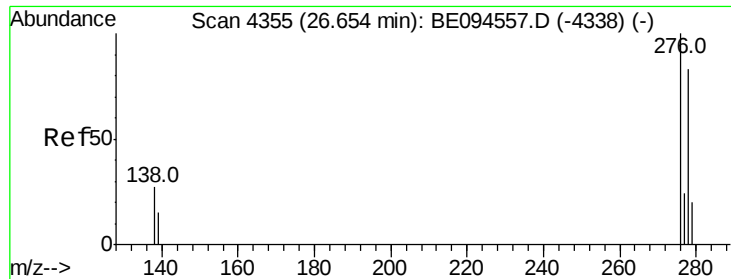
253 24.5 28.5 42.7#

125 17.7 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: 1.107 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.01 min

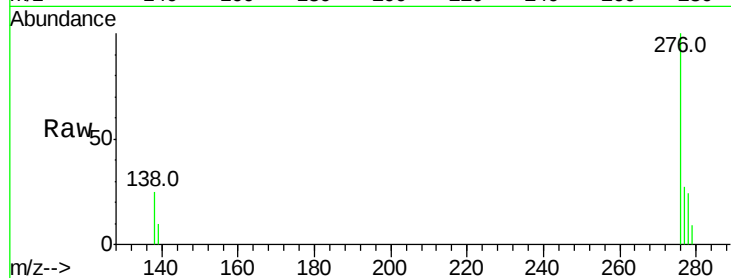
Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :



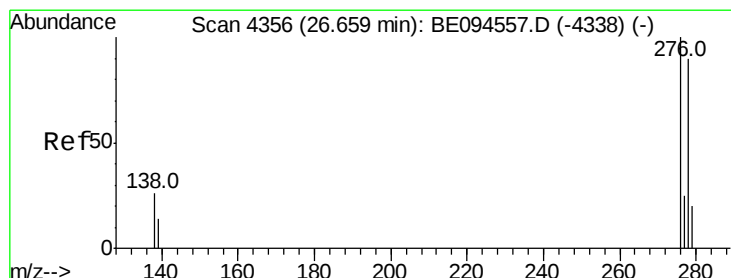
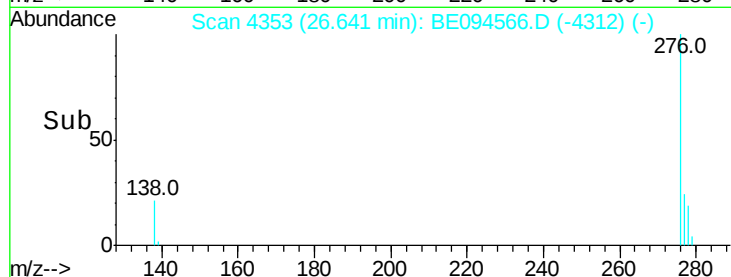
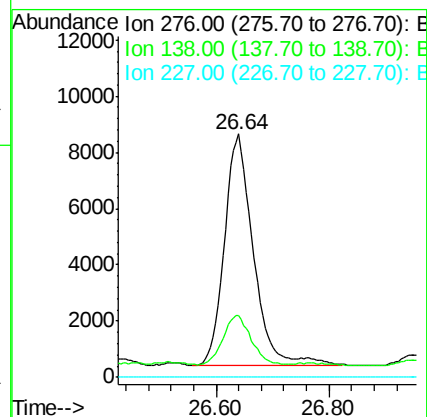
Tot Ion:276 Resp: 28987

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.326 ng/ul

RT: 26.63 min Scan# 4350

Delta R.T. -0.03 min

Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

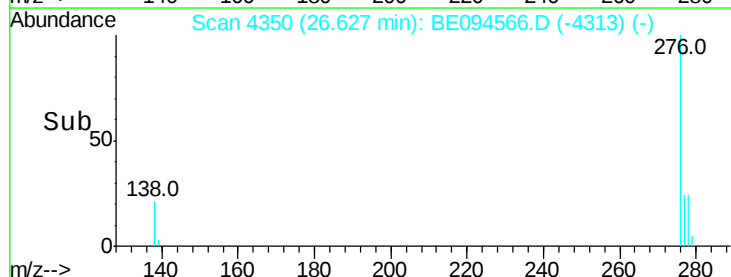
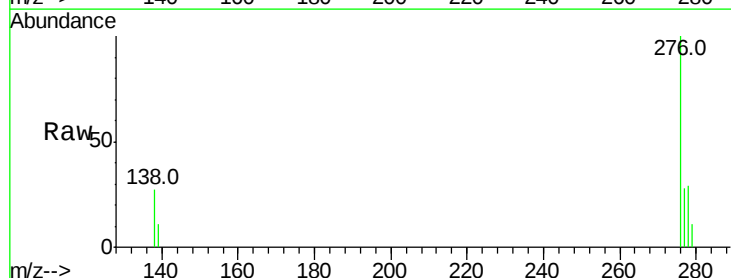
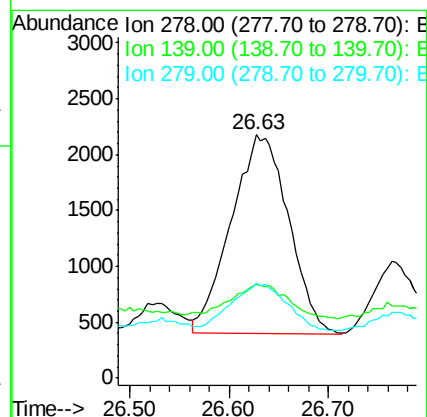
Tgt Ion:278 Resp: 7189

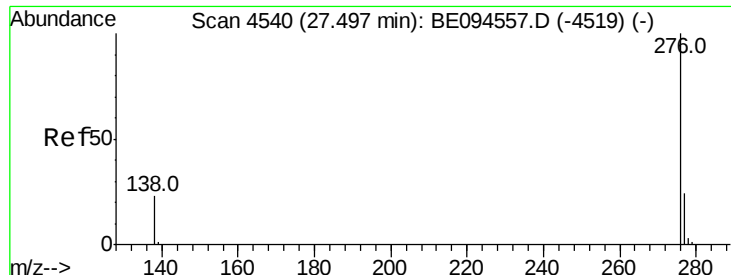
Ion Ratio Lower Upper

278 100

139 38.5 17.4 26.0#

279 39.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 1.368 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.02 min

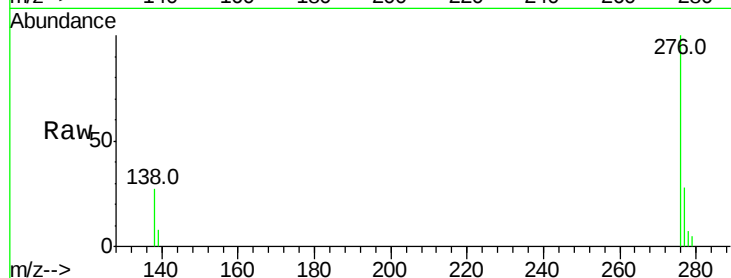
Lab File: BE094566.D

Acq: 26 Oct 2017 17:24

Instrument :

BNA_E

ClientSampleId :



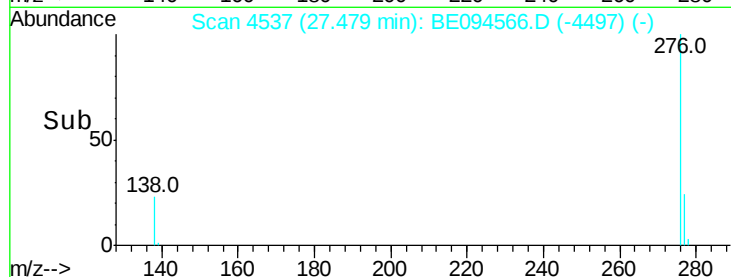
Tot Ion:276 Resp: 28782

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.8

277 28.0 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

