

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094563.D
 Acq On : 26 Oct 2017 15:34
 Operator : SJ/JU
 Sample : I5719-14 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:40:36 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

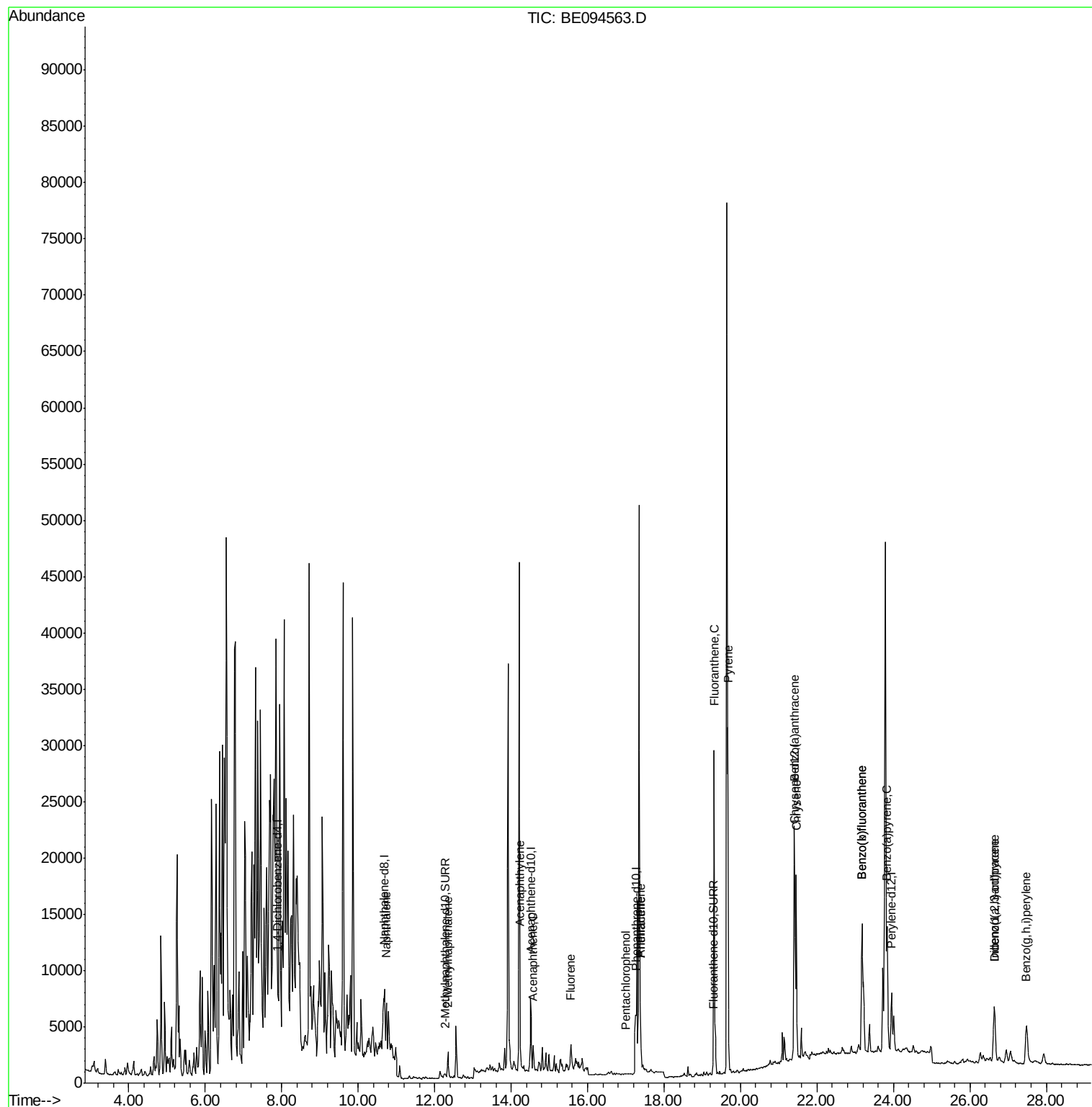
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1211	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	6591	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	3654	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8200	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8166	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	8501	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	589	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	983	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7053	0.438	ng/ul#	62
5) 2-Methylnaphthalene	12.35	142	1822	0.162	ng/ul	100
7) Acenaphthylene	14.24	152	830	0.050	ng/ul#	34
8) Acenaphthene	14.57	153	1442	0.121	ng/ul#	92
9) Fluorene	15.57	166	1646	0.123	ng/ul#	89
11) Pentachlorophenol	17.00	266	18	0.044	ng/ul#	65
12) Phenanthrene	17.38	178	4683	0.216	ng/ul	91
13) Anthracene	17.38	178	5213	0.244	ng/ul	93
15) Fluoranthene	19.31	202	34644	1.384	ng/ul	84
17) Pyrene	19.67	202	33887	1.342	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	18874	0.808	ng/ul#	88
19) Chrysene	21.46	228	18262	0.757	ng/ul	95
21) Benzo(b)fluoranthene	23.17	252	29855	1.248	ng/ul	93
22) Benzo(k)fluoranthene	23.17	252	29665	1.158	ng/ul	95
23) Benzo(a)pyrene	23.84	252	17098	0.715	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	26.64	276	10165	0.411	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.63	278	2540	0.122	ng/ul#	46
26) Benzo(g,h,i)perylene	27.48	276	9776	0.492	ng/ul#	89

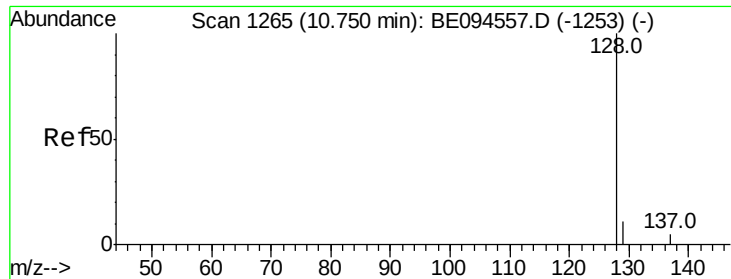
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.438 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

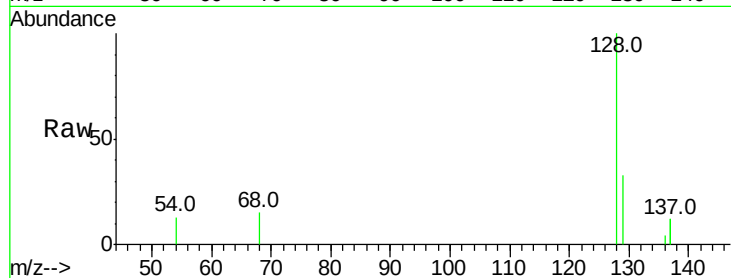
Tot Ion:128 Resp: 7053

Ion Ratio Lower Upper

128 100

129 33.0 11.3 16.9#

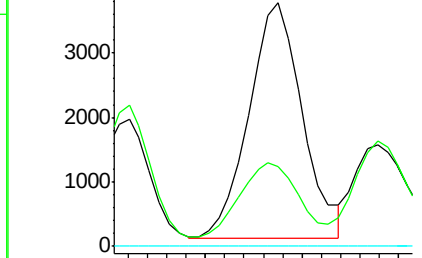
127 0.0 4.0 6.0#



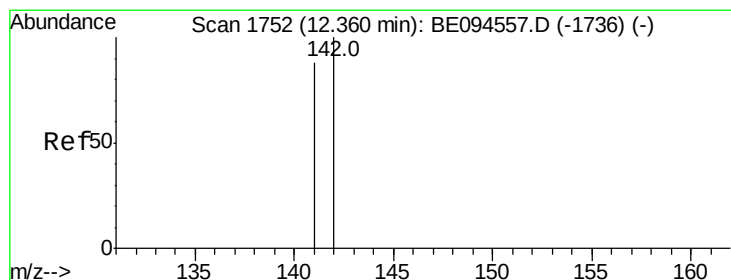
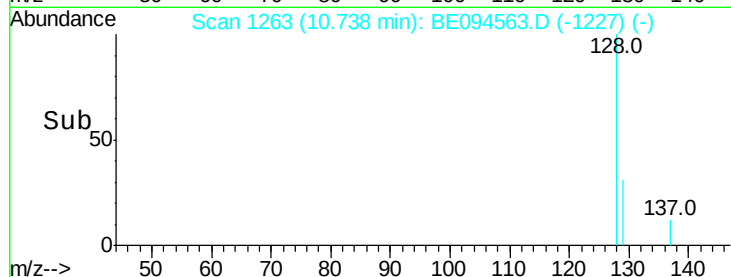
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.162 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094563.D

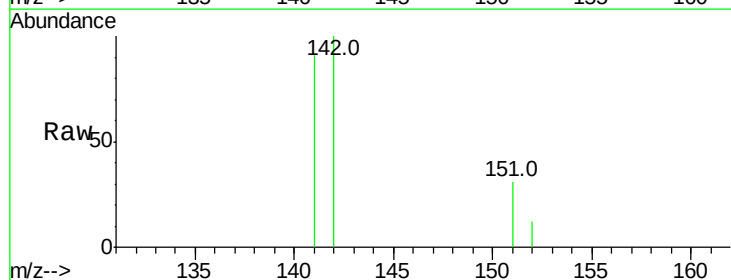
Acq: 26 Oct 2017 15:34

Tgt Ion:142 Resp: 1822

Ion Ratio Lower Upper

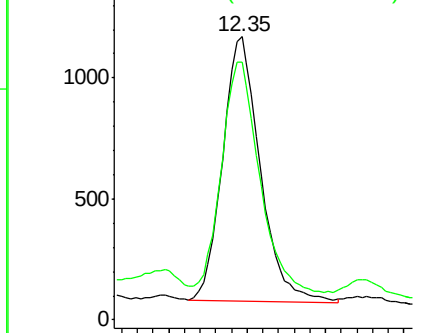
142 100

141 90.7 72.6 108.8

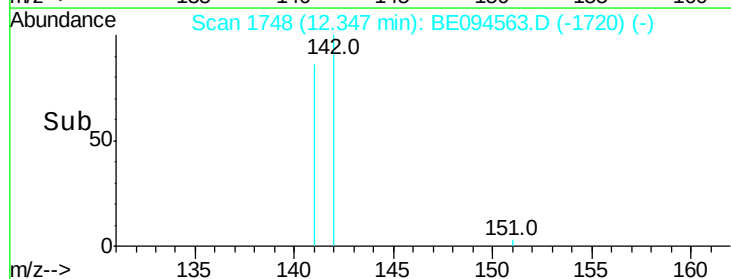


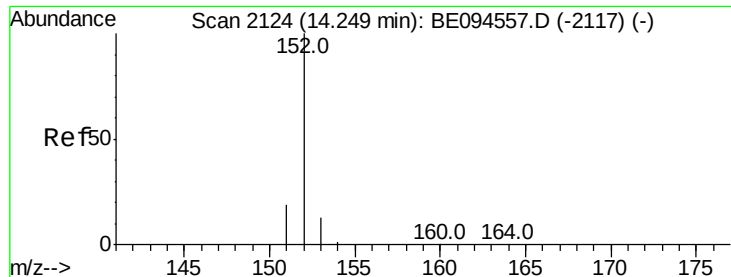
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

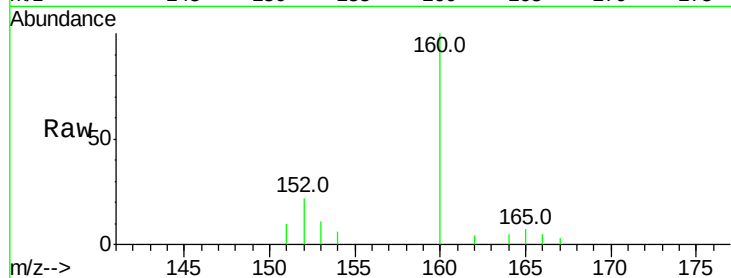
Tot Ion:152 Resp: 830

Ion Ratio Lower Upper

152 100

151 46.9 17.1 25.7#

153 50.9 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

14.24

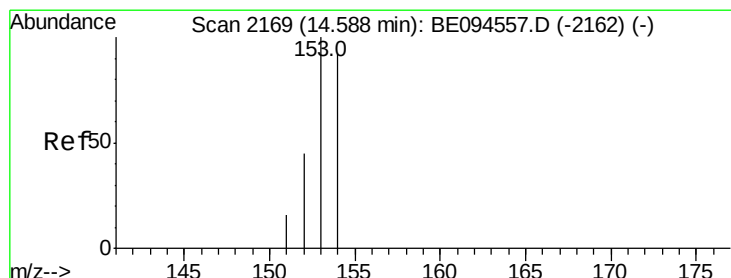
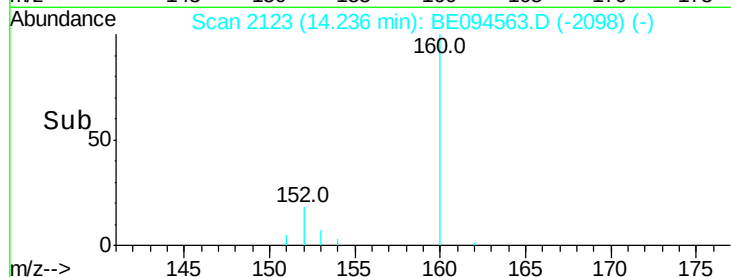
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.121 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

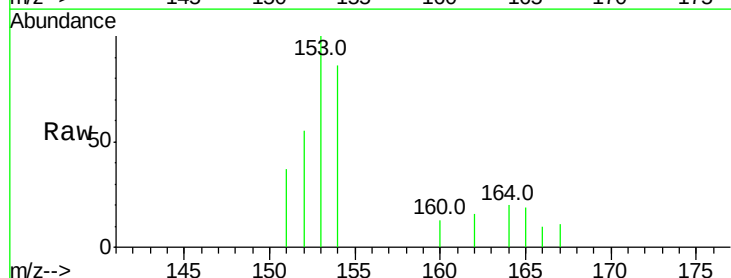
Tgt Ion:153 Resp: 1442

Ion Ratio Lower Upper

153 100

152 54.7 36.0 54.0#

154 86.0 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

14.57

1200

1000

800

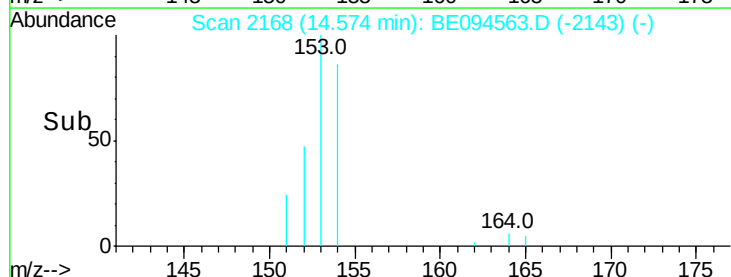
600

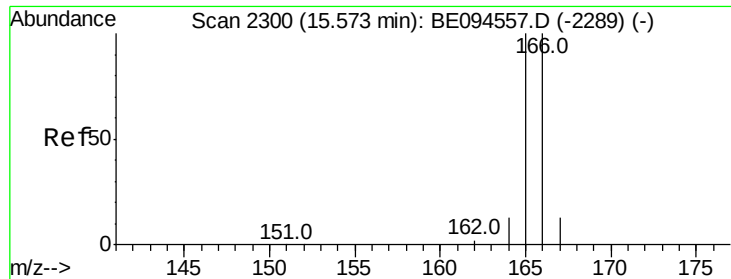
400

200

0

Time-->

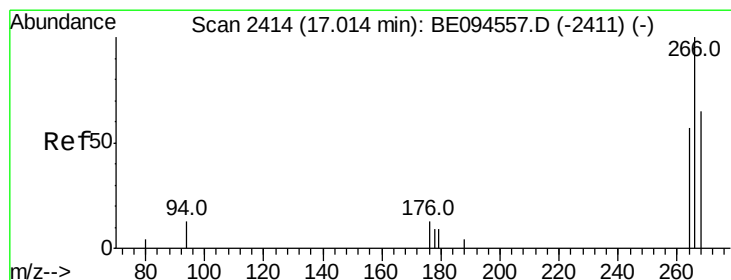
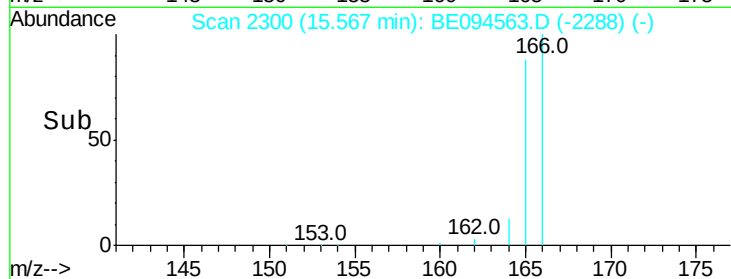
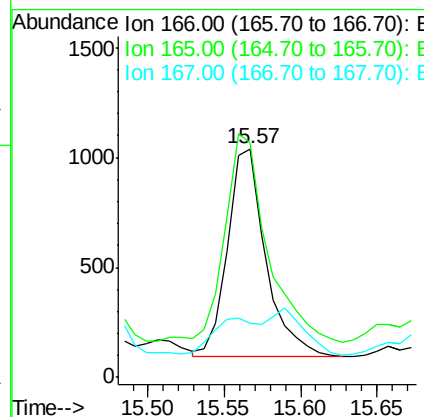
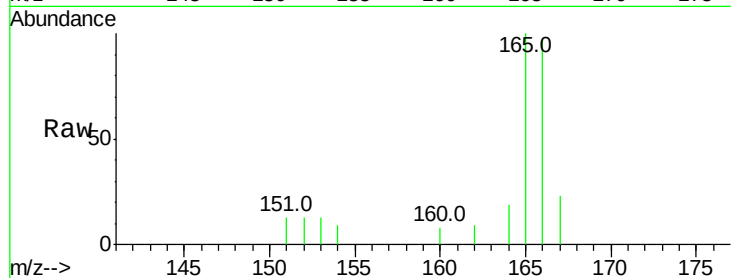




#9
Fluorene
 Concen: 0.123 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094563.D
 Acq: 26 Oct 2017 15:34

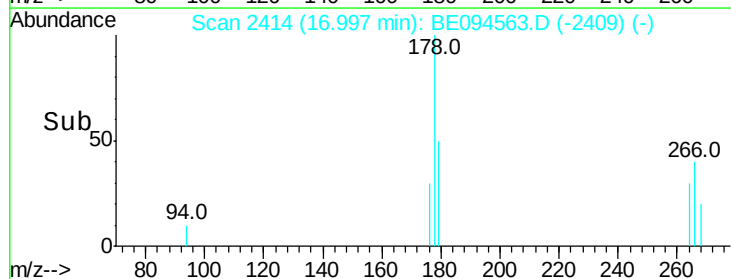
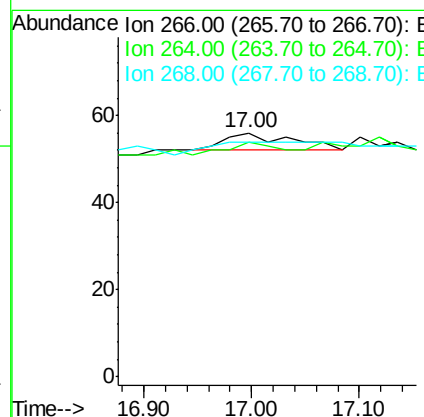
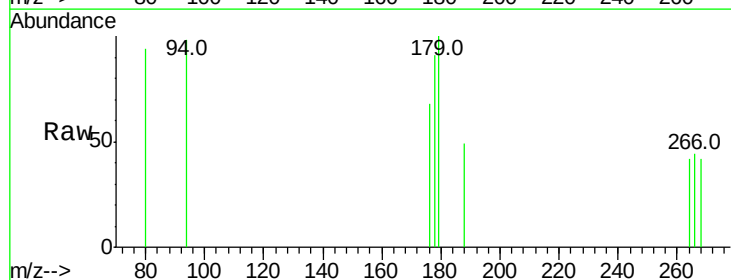
Instrument :
 BNA_E
 ClientSampled :

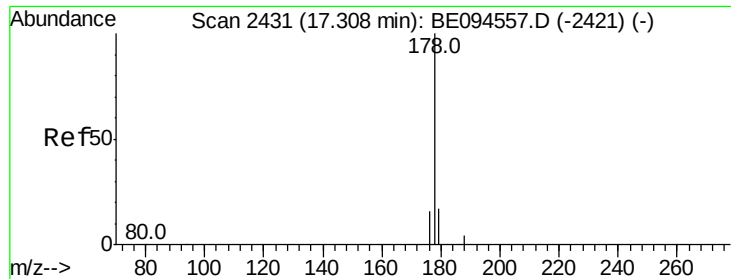
Tot Ion:166 Resp: 1646
 Ion Ratio Lower Upper
 166 100
 165 102.7 73.4 110.2
 167 23.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.044 ng/ul
 RT: 17.00 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BE094563.D
 Acq: 26 Oct 2017 15:34

Tgt Ion:266 Resp: 18
 Ion Ratio Lower Upper
 266 100
 264 44.4 47.9 71.9#
 268 100.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.216 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.07 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

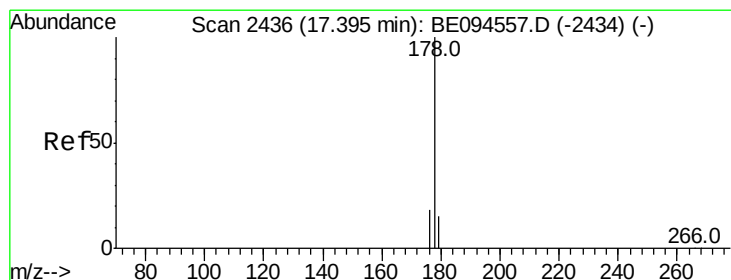
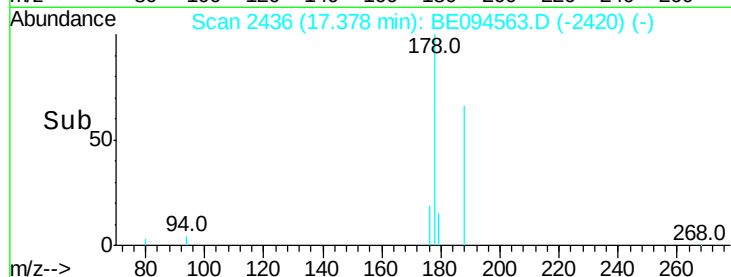
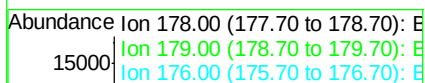
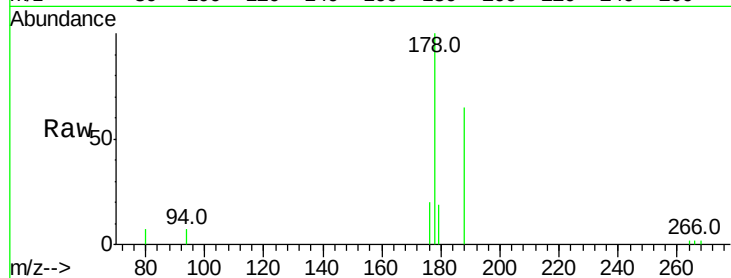
Tot Ion:178 Resp: 4683

Ion Ratio Lower Upper

178 100

179 18.5 18.4 27.6

176 20.4 13.6 20.4



#13

Anthracene

Concen: 0.244 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

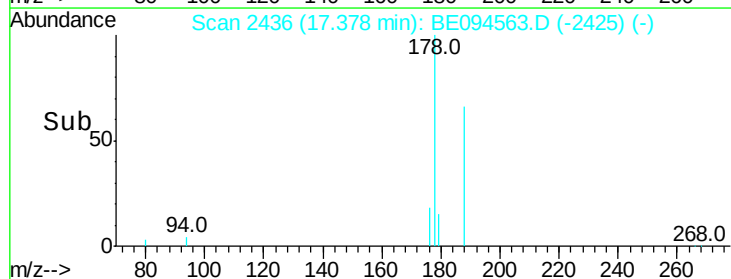
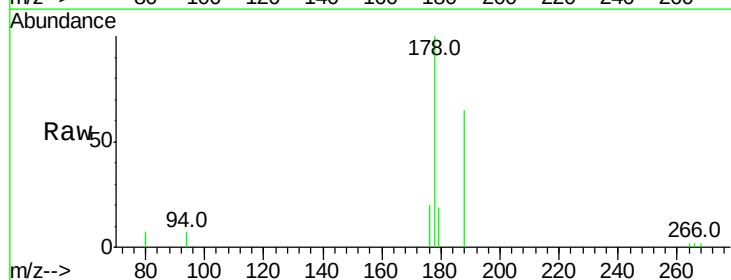
Tgt Ion:178 Resp: 5213

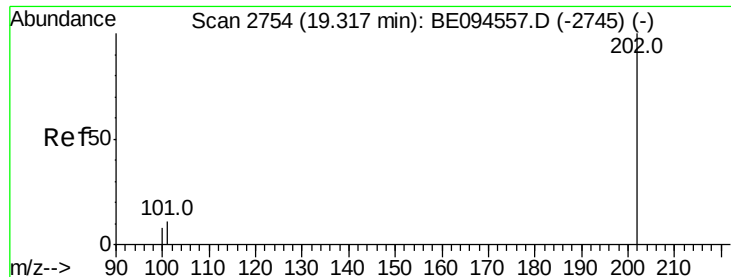
Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 1.384 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

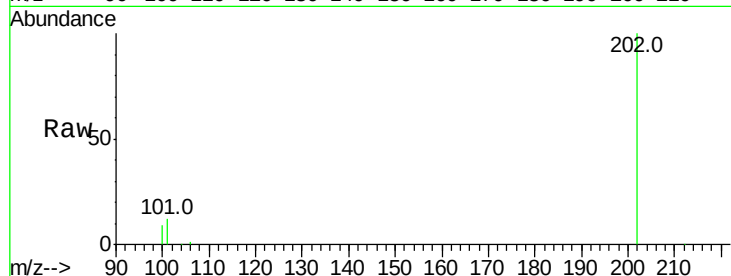
Tot Ion:202 Resp: 34644

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

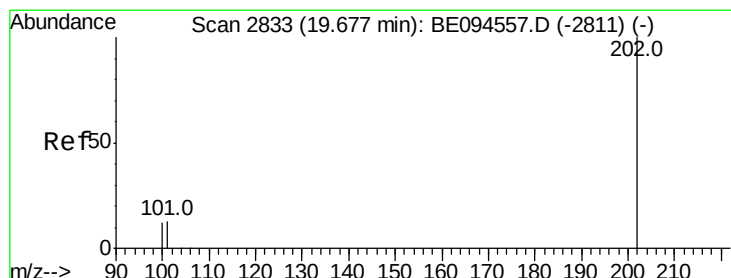
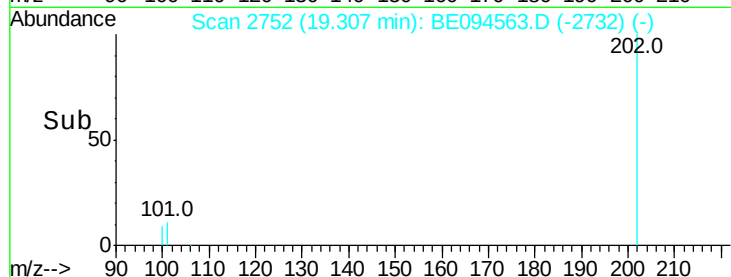
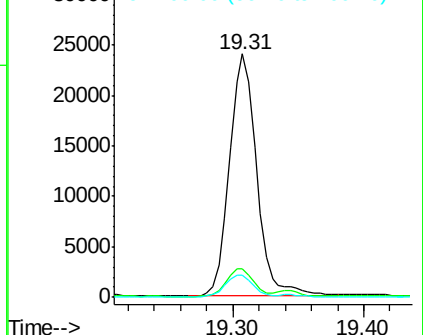
100 9.3 0.0 39.5



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: 1.342 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

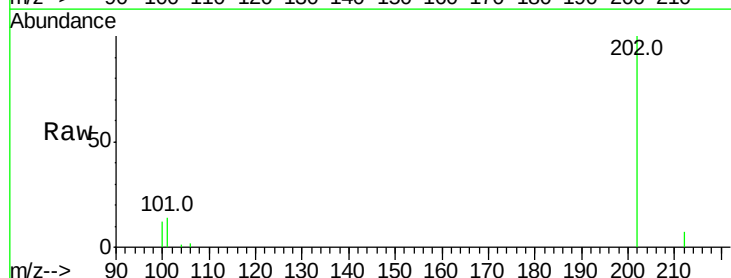
Tgt Ion:202 Resp: 33887

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

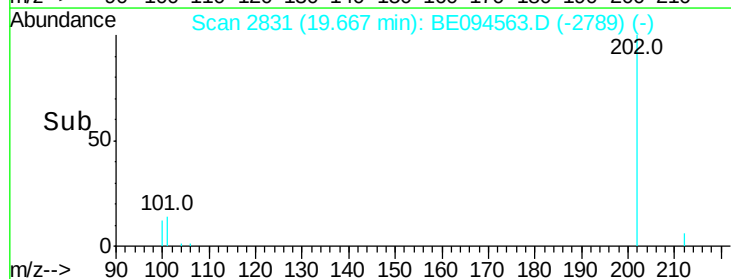
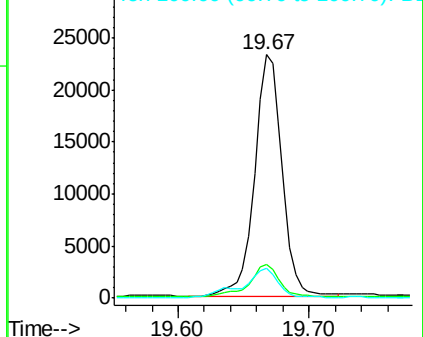
100 12.2 15.6 23.4#

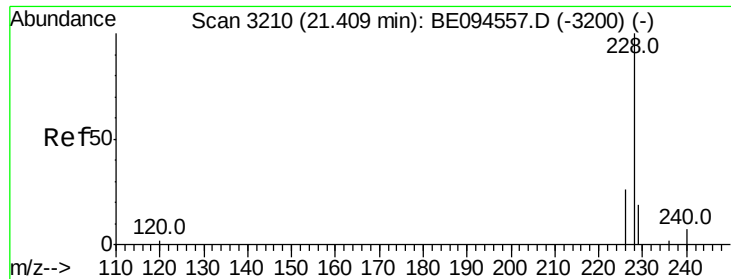


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.808 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

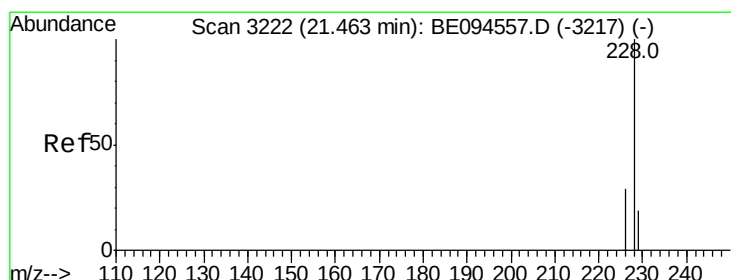
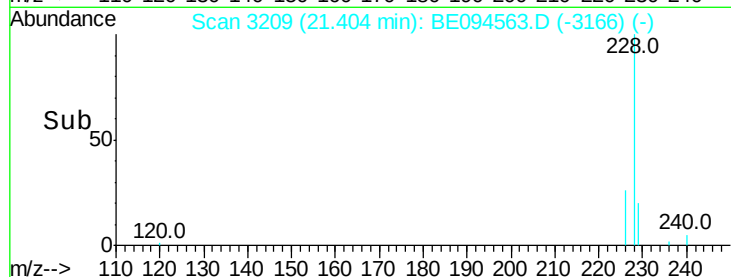
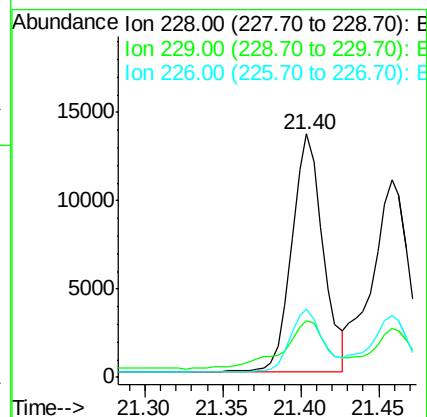
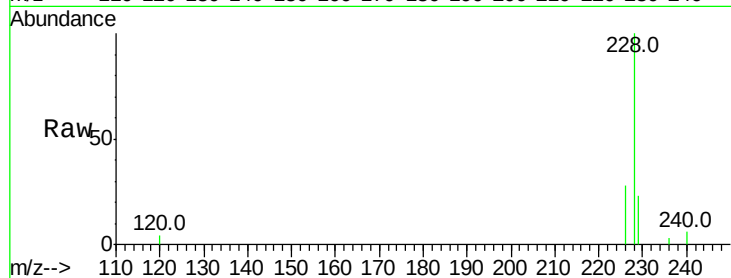
Tot Ion:228 Resp: 18874

Ion Ratio Lower Upper

228 100

229 23.4 22.8 34.2

226 28.2 17.0 25.6#



#19

Chrysene

Concen: 0.757 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

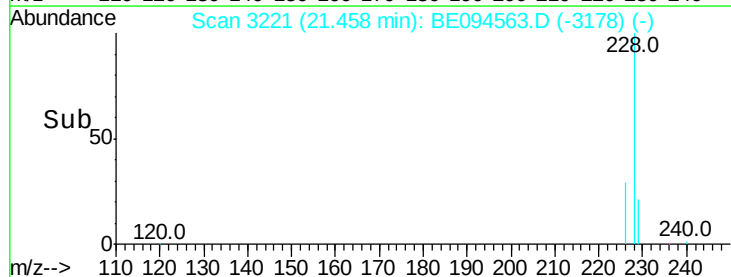
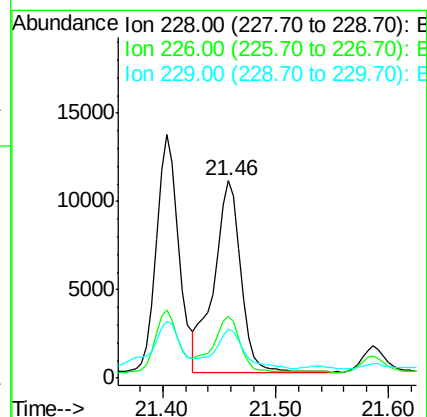
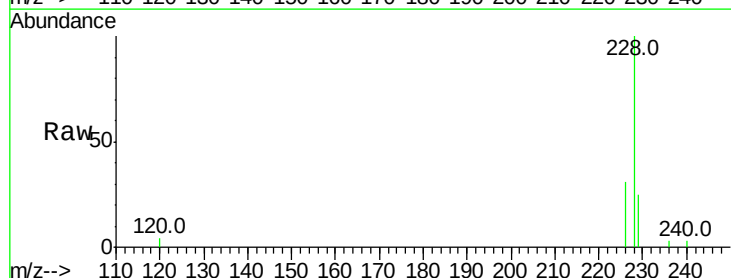
Tgt Ion:228 Resp: 18262

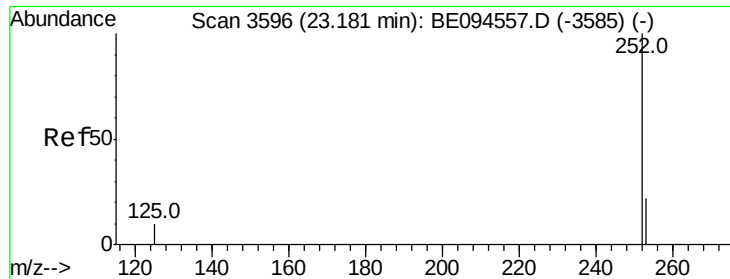
Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

229 24.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.248 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

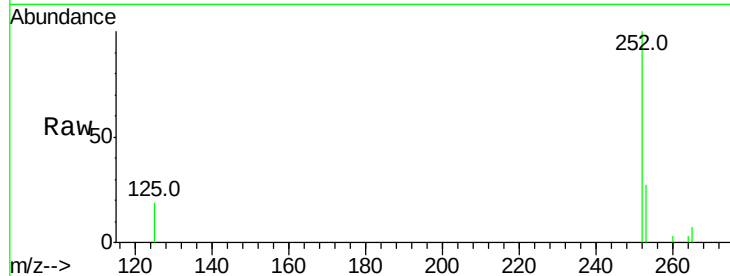
Tot Ion:252 Resp: 29855

Ion Ratio Lower Upper

252 100

253 27.2 0.0 64.2

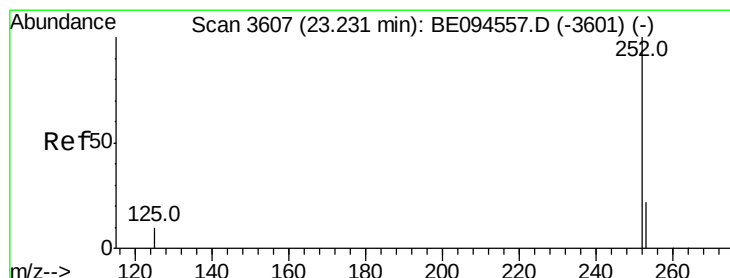
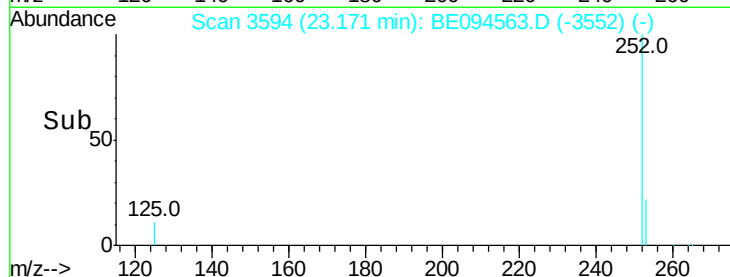
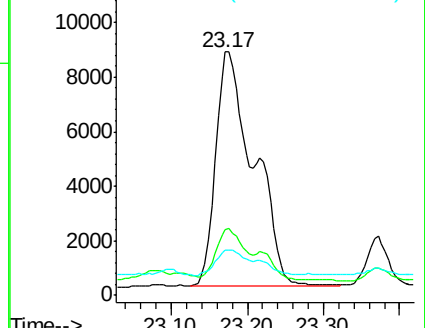
125 18.8 0.0 35.0



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: 1.158 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

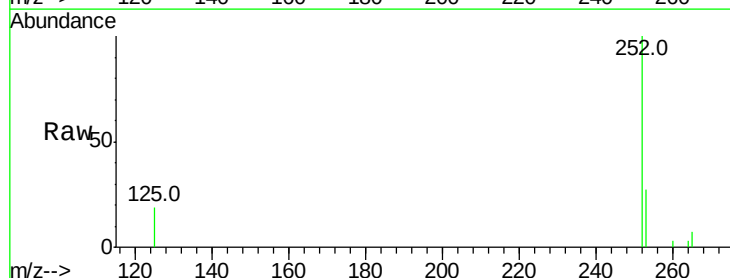
Tgt Ion:252 Resp: 29665

Ion Ratio Lower Upper

252 100

253 27.2 24.5 36.7

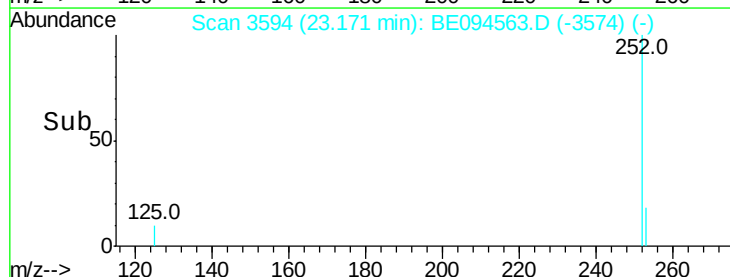
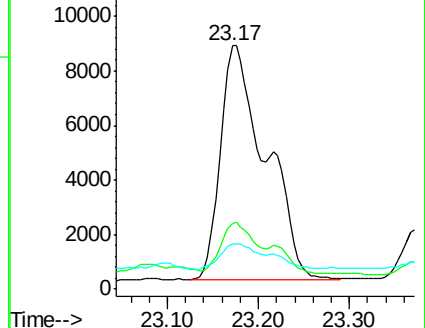
125 18.8 13.7 20.5

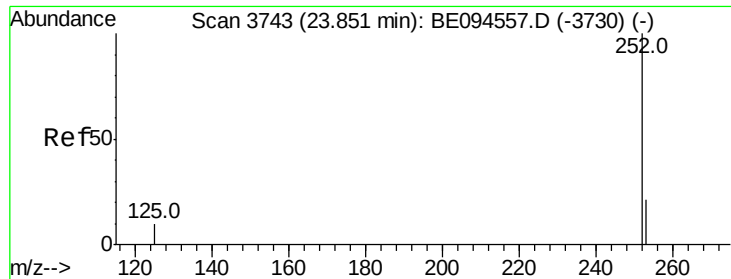


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.715 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

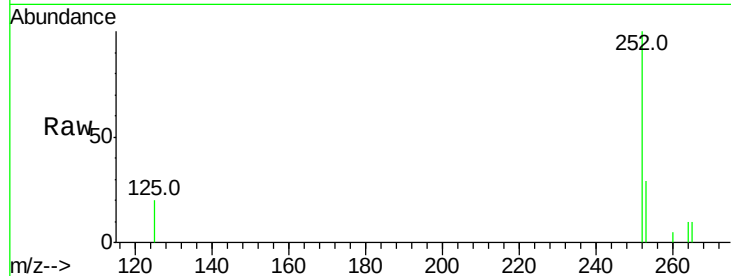
Tot Ion:252 Resp: 17098

Ion Ratio Lower Upper

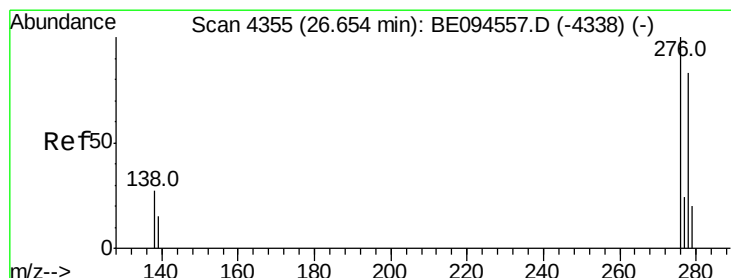
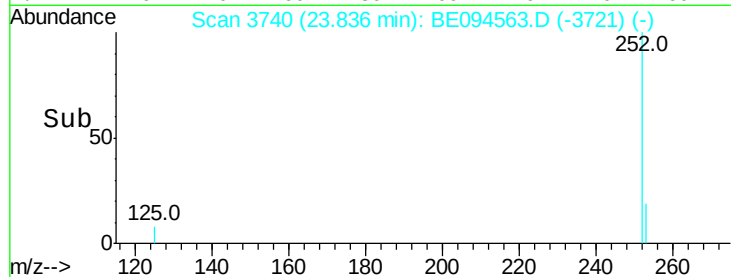
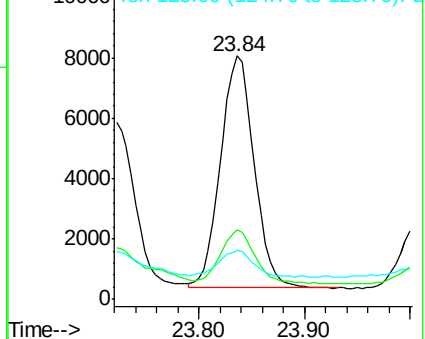
252 100

253 28.5 28.5 42.7

125 20.1 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: 0.411 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.01 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

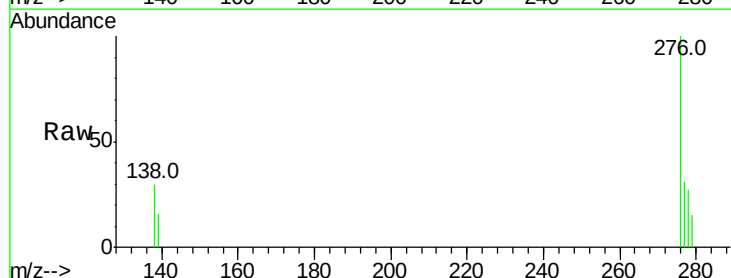
Tgt Ion:276 Resp: 10165

Ion Ratio Lower Upper

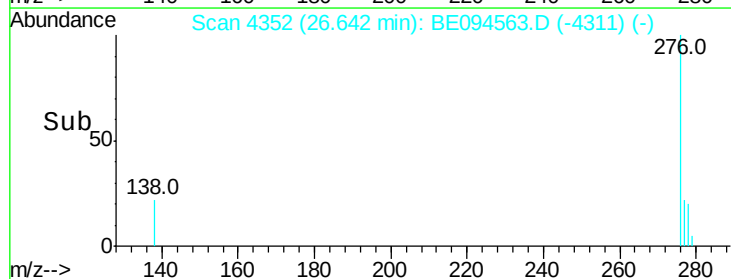
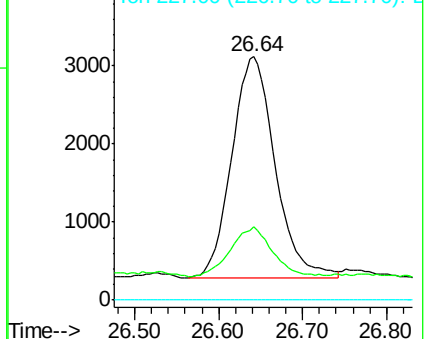
276 100

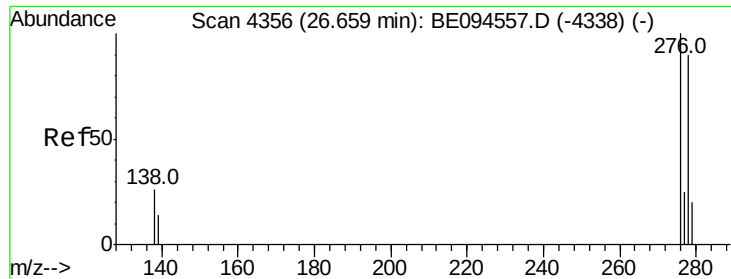
138 21.4 28.0 42.0#

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: 0.122 ng/ul

RT: 26.63 min Scan# 4350

Delta R.T. -0.03 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

Instrument :

BNA_E

ClientSampleId :

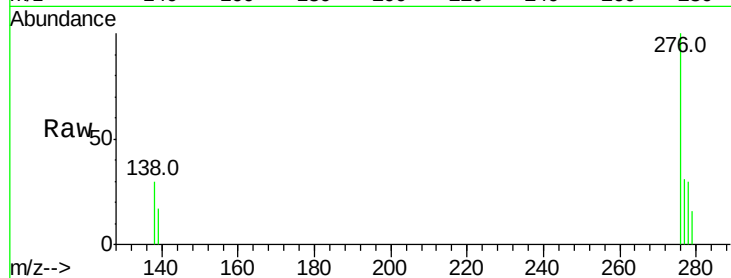
Tot Ion:278 Resp: 2540

Ion Ratio Lower Upper

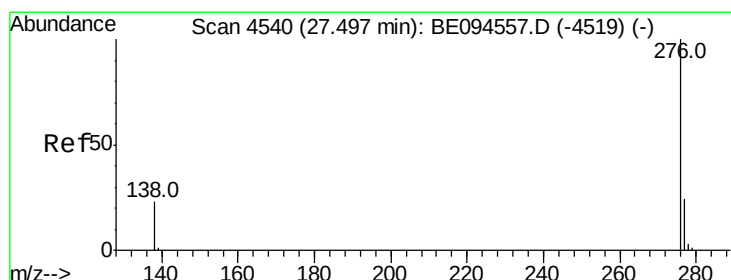
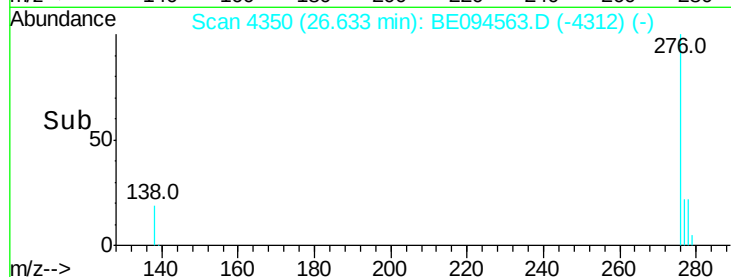
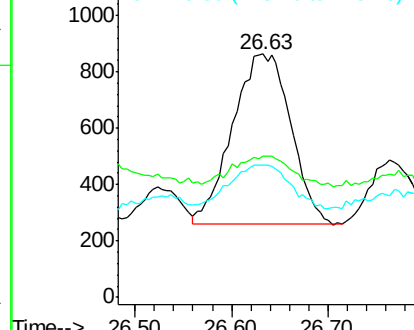
278 100

139 58.1 17.4 26.0#

279 54.3 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: 0.492 ng/ul

RT: 27.48 min Scan# 4535

Delta R.T. -0.02 min

Lab File: BE094563.D

Acq: 26 Oct 2017 15:34

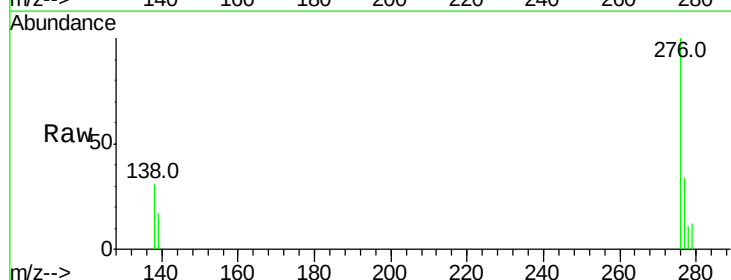
Tgt Ion:276 Resp: 9776

Ion Ratio Lower Upper

276 100

138 30.9 21.8 32.8

277 33.6 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

