

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094591.D
 Acq On : 27 Oct 2017 12:09
 Operator : SJ/JU
 Sample : I5786-13 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 13:20:58 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	2168	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9743	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5259	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11391	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11204	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11461	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	676	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	1048	0.03	ng/ul	0.00

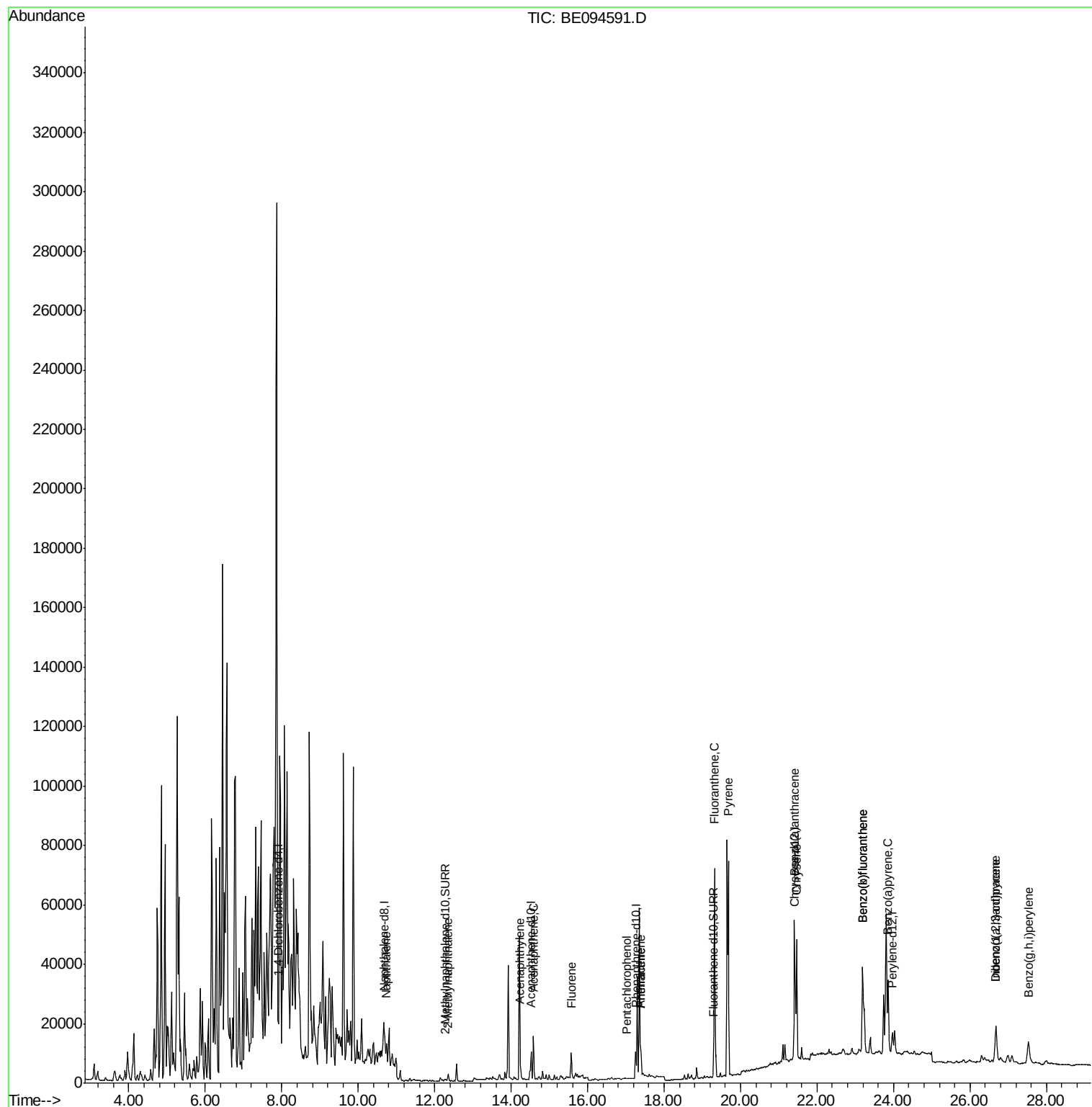
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	10479	0.440	ng/ul#	1
5) 2-Methylnaphthalene	12.35	142	1952	0.117	ng/ul	100
7) Acenaphthylene	14.24	152	3654	0.154	ng/ul#	79
8) Acenaphthene	14.58	153	8642	0.506	ng/ul	97
9) Fluorene	15.57	166	6090	0.317	ng/ul	94
11) Pentachlorophenol	17.03	266	17	0.030	ng/ul#	37
12) Phenanthrene	17.40	178	9856	0.328	ng/ul	97
13) Anthracene	17.40	178	10984	0.370	ng/ul	98
15) Fluoranthene	19.32	202	86147	2.477	ng/ul	84
17) Pyrene	19.68	202	79851	2.305	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	44393	1.386	ng/ul#	89
19) Chrysene	21.47	228	44089	1.332	ng/ul	91
21) Benzo(b)fluoranthene	23.19	252	74060	2.297	ng/ul	91
22) Benzo(k)fluoranthene	23.19	252	73390	2.124	ng/ul#	92
23) Benzo(a)pyrene	23.86	252	40570	1.259	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	26.68	276	25874	0.776	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.67	278	6906	0.246	ng/ul#	27
26) Benzo(g,h,i)perylene	27.53	276	20833	0.778	ng/ul#	77

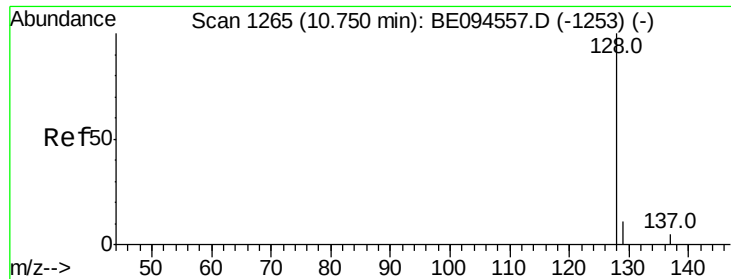
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.440 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

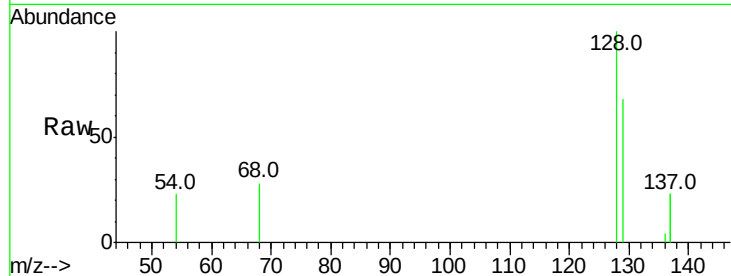
Tot Ion:128 Resp: 10479

Ion Ratio Lower Upper

128 100

129 67.6 11.3 16.9#

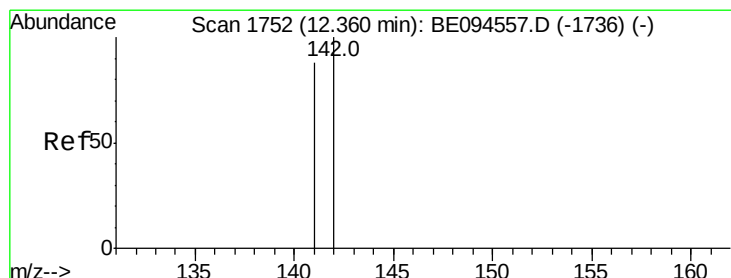
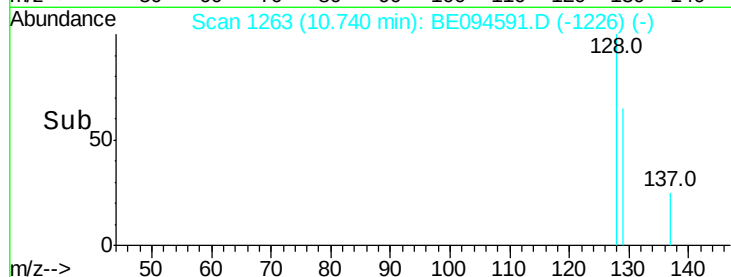
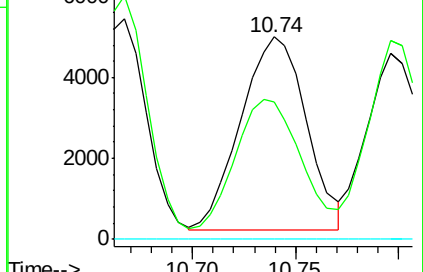
127 0.0 4.0 6.0#



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: 0.117 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094591.D

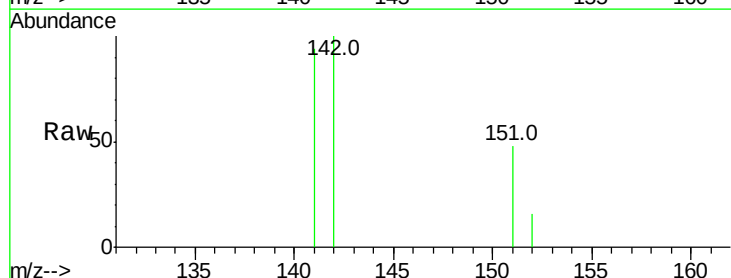
Acq: 27 Oct 2017 12:09

Tgt Ion:142 Resp: 1952

Ion Ratio Lower Upper

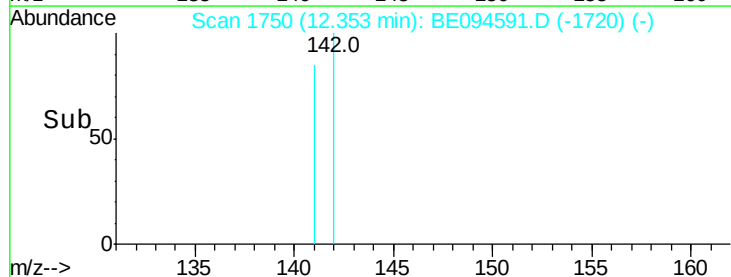
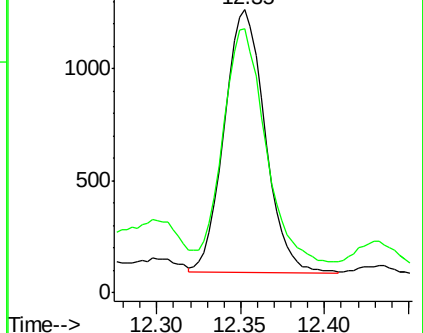
142 100

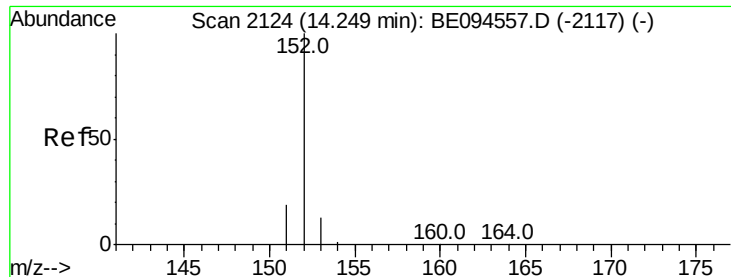
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.154 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

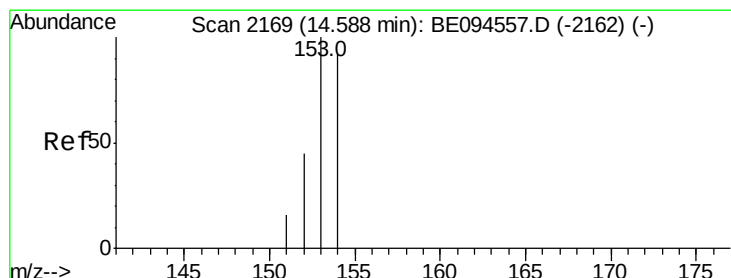
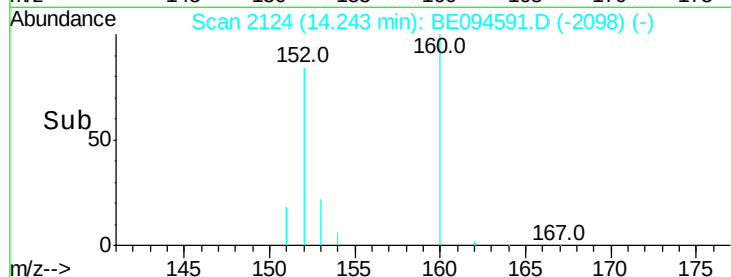
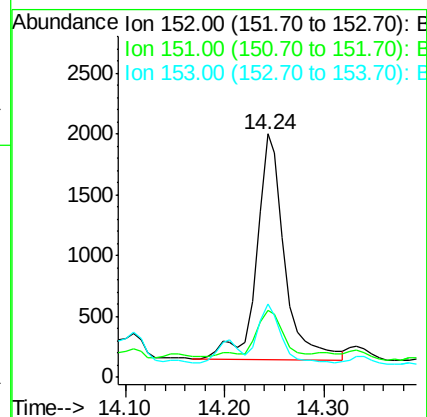
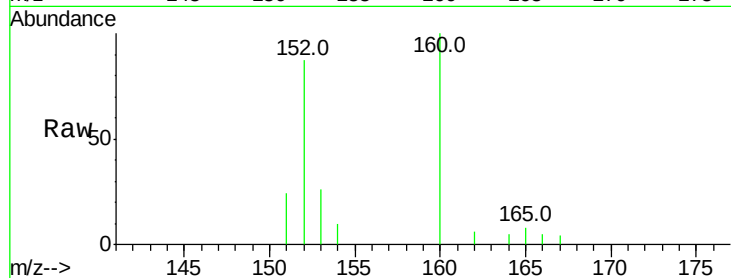
Tot Ion:152 Resp: 3654

Ion Ratio Lower Upper

152 100

151 27.5 17.1 25.7#

153 29.9 12.8 19.2#



#8

Acenaphthene

Concen: 0.506 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

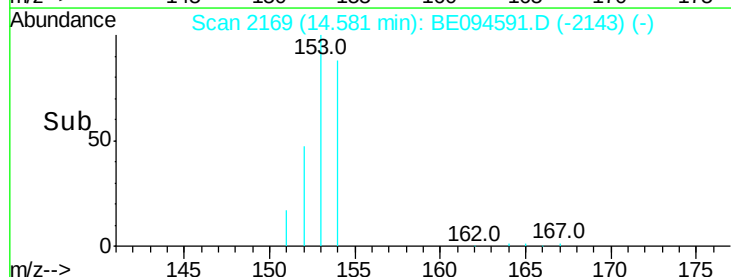
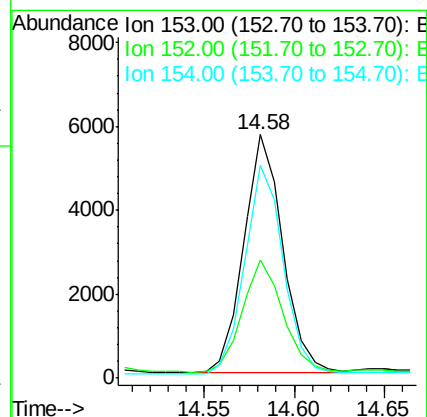
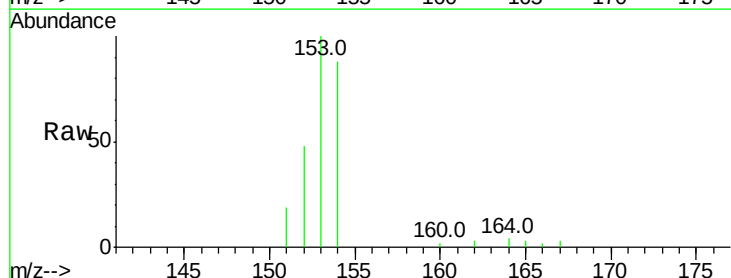
Tgt Ion:153 Resp: 8642

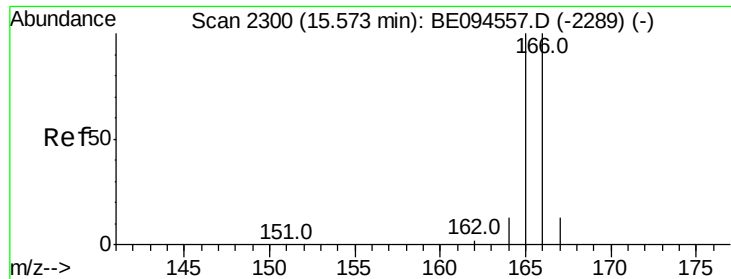
Ion Ratio Lower Upper

153 100

152 48.4 36.0 54.0

154 87.7 72.0 108.0





#9

Fluorene

Concen: 0.317 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

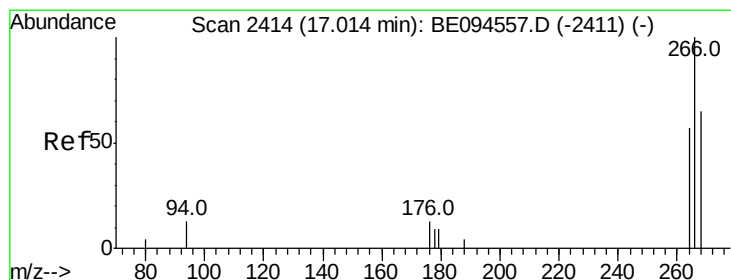
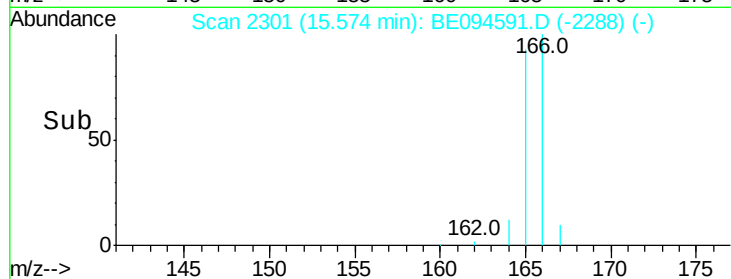
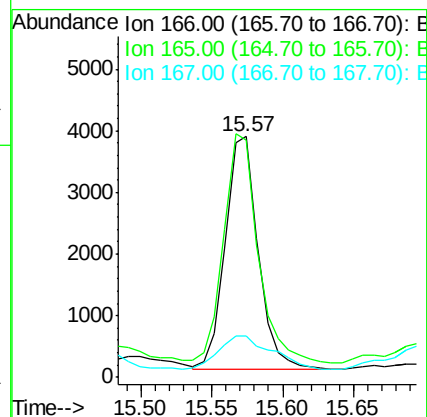
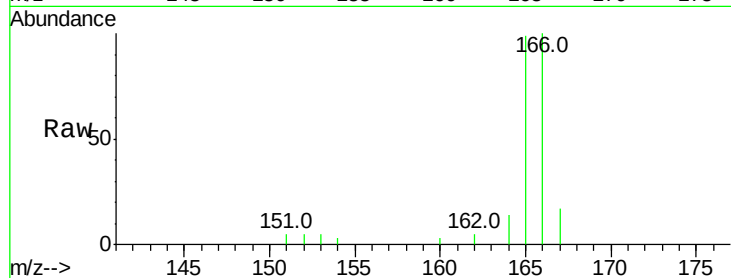
Tot Ion:166 Resp: 6090

Ion Ratio Lower Upper

166 100

165 98.5 73.4 110.2

167 17.3 14.6 22.0



#11

Pentachlorophenol

Concen: 0.030 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

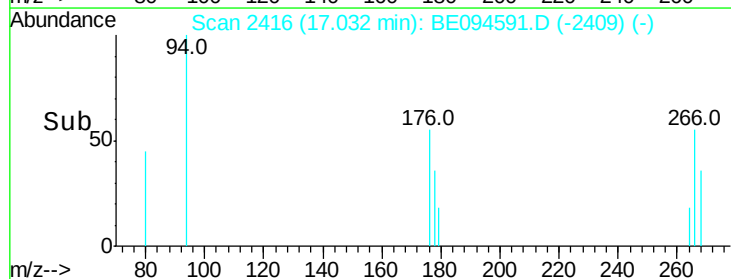
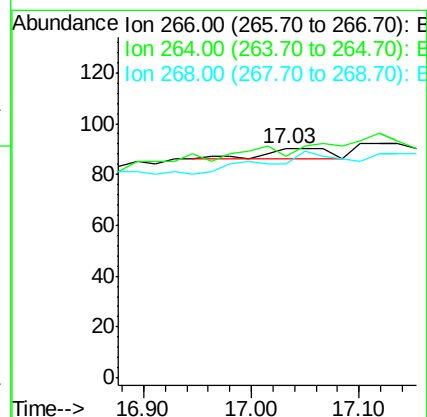
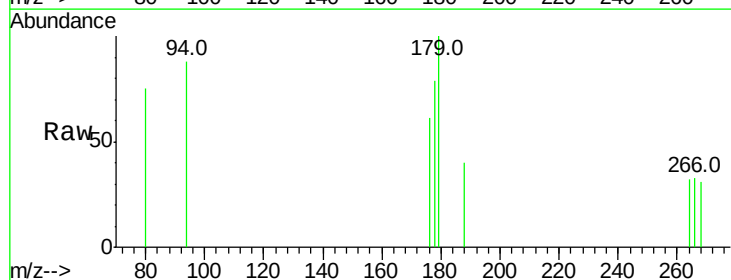
Tgt Ion:266 Resp: 17

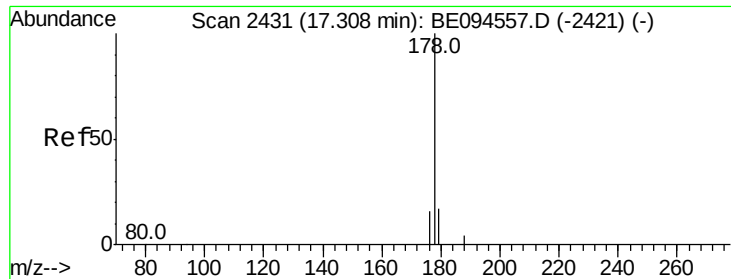
Ion Ratio Lower Upper

266 100

264 94.1 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.328 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.09 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

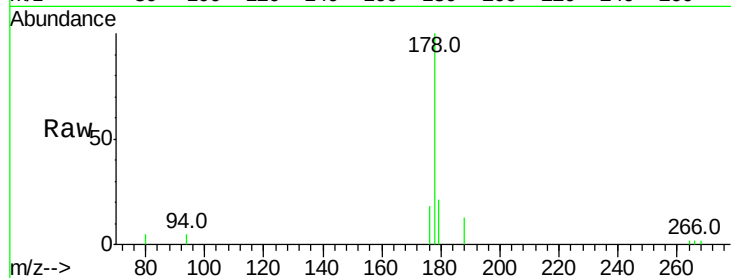
Tot Ion:178 Resp: 9856

Ion Ratio Lower Upper

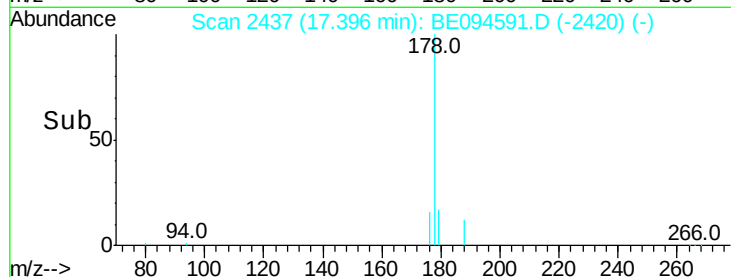
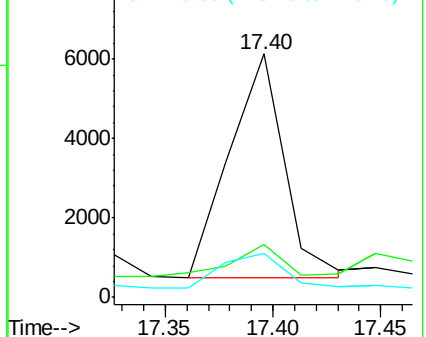
178 100

179 21.5 18.4 27.6

176 18.1 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: 0.370 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

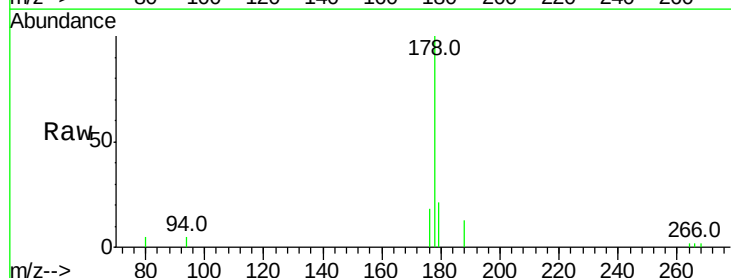
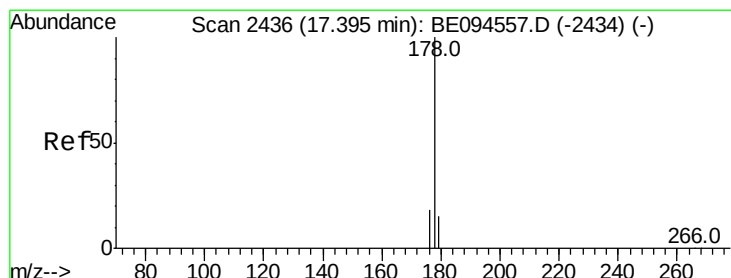
Tgt Ion:178 Resp: 10984

Ion Ratio Lower Upper

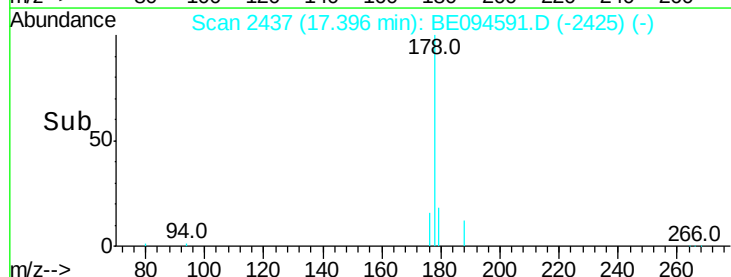
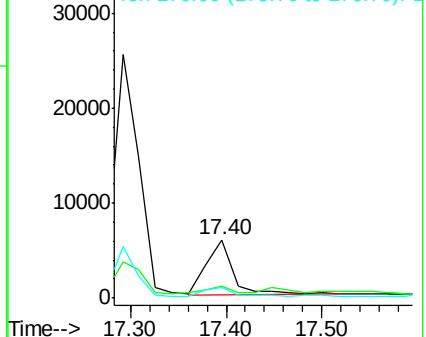
178 100

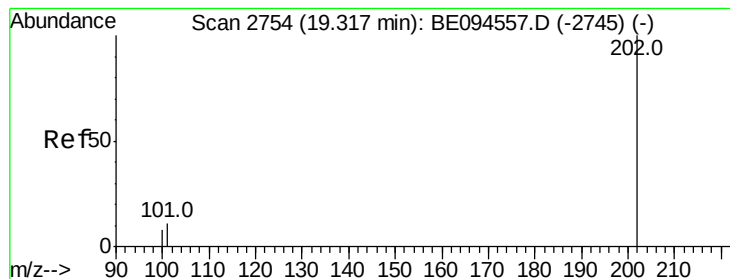
179 21.5 18.1 27.1

176 18.1 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: 2.477 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

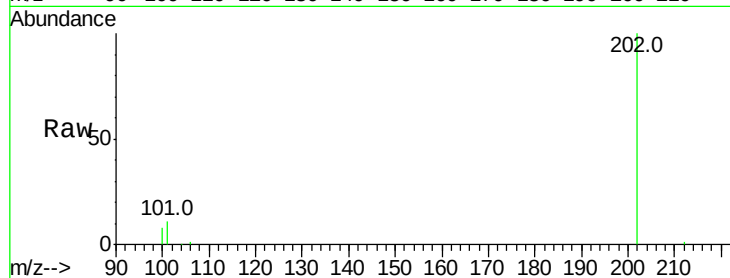
Tot Ion:202 Resp: 86147

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

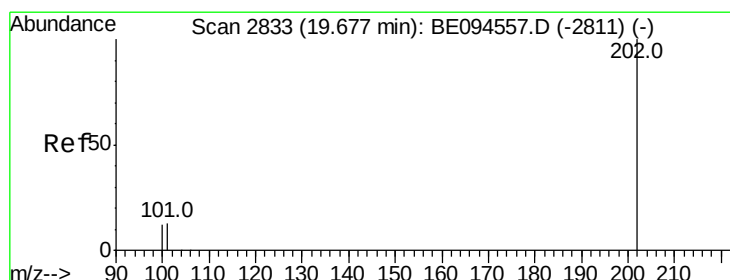
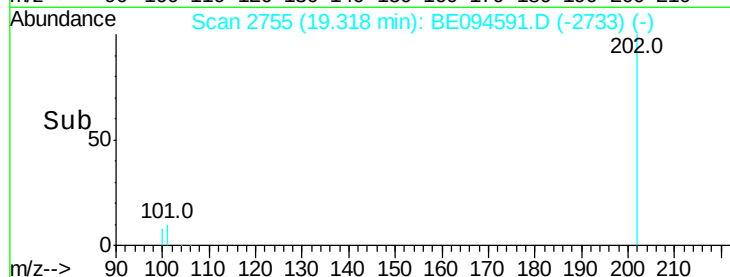
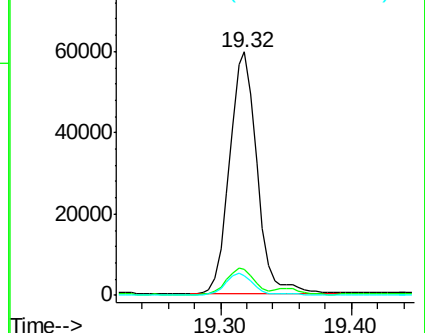
100 8.3 0.0 39.5



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: 2.305 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

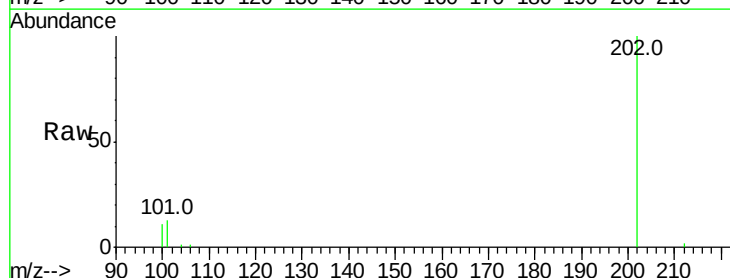
Tgt Ion:202 Resp: 79851

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

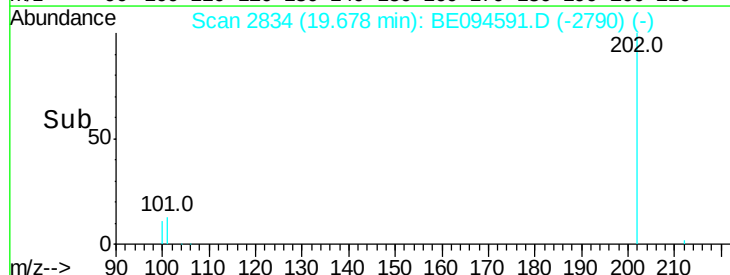
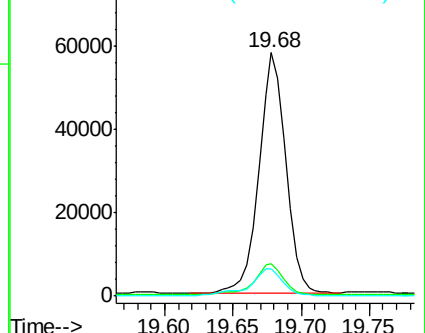
100 11.1 15.6 23.4#

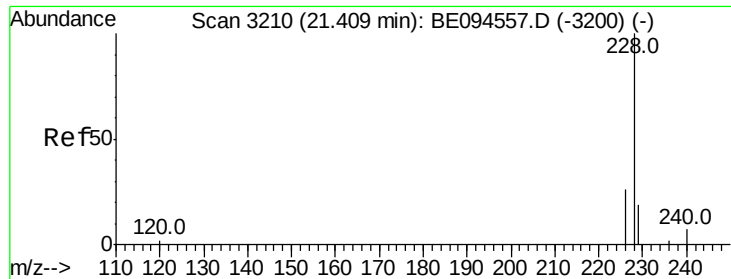


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

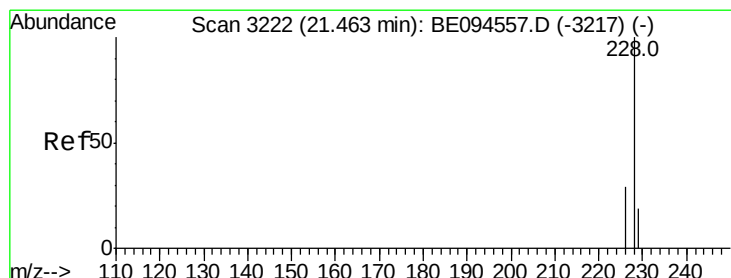
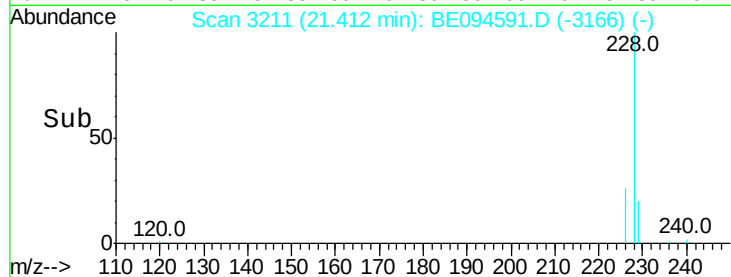
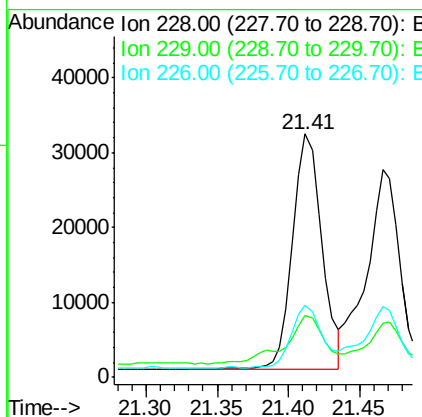
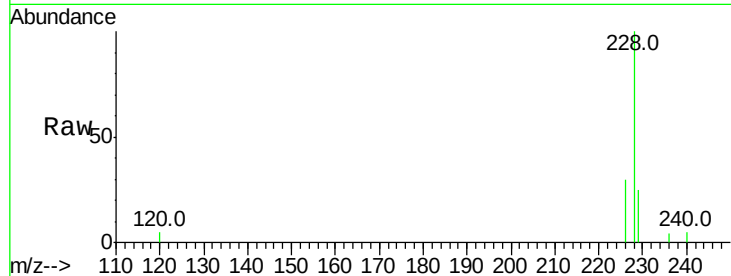




#18
Benzo(a)anthracene
Concen: 1.386 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BE094591.D
Acq: 27 Oct 2017 12:09

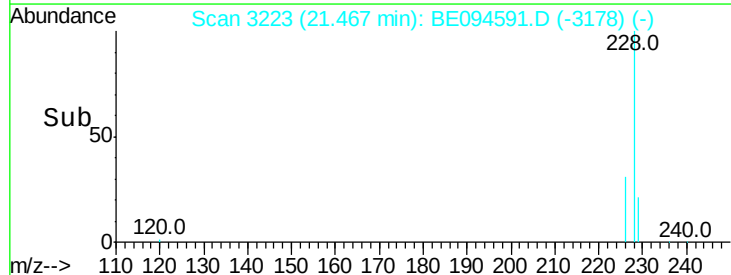
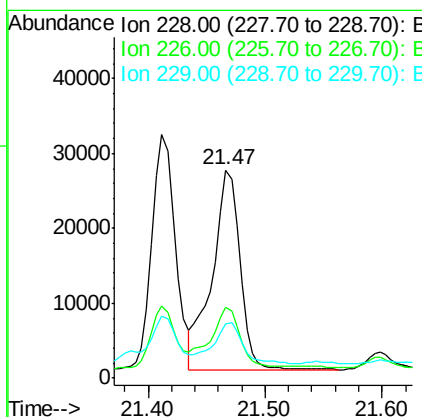
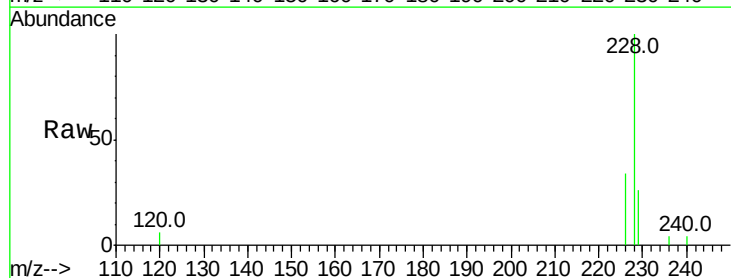
Instrument :
BNA_E
ClientSampleId :

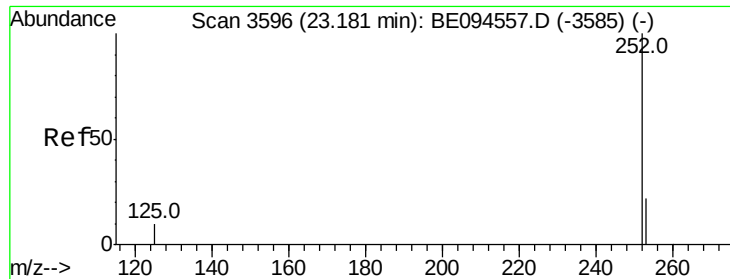
Tot Ion:228 Resp: 44393
Ion Ratio Lower Upper
228 100
229 25.2 22.8 34.2
226 29.5 17.0 25.6#



#19
Chrysene
Concen: 1.332 ng/ul
RT: 21.47 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BE094591.D
Acq: 27 Oct 2017 12:09

Tgt Ion:228 Resp: 44089
Ion Ratio Lower Upper
228 100
226 34.1 23.4 35.0
229 26.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.297 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

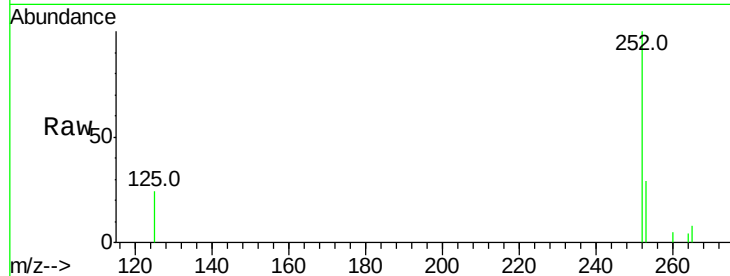
Tot Ion:252 Resp: 74060

Ion Ratio Lower Upper

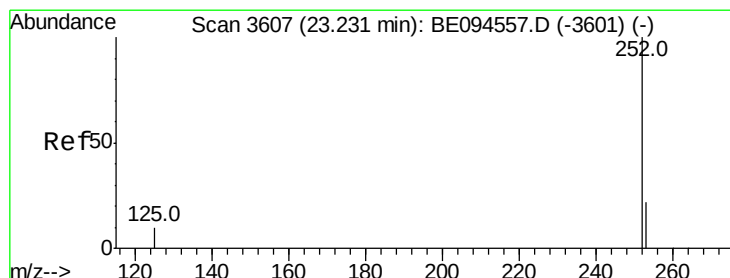
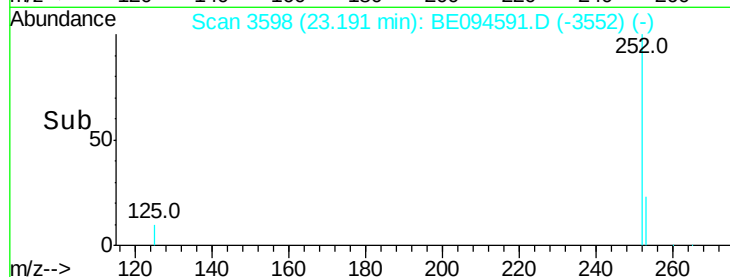
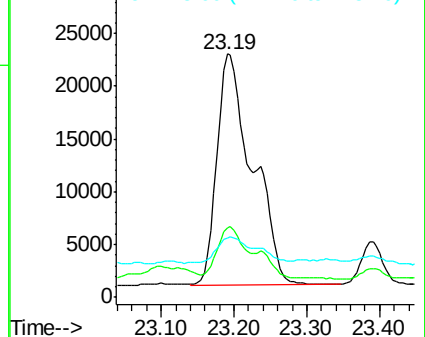
252 100

253 28.8 0.0 64.2

125 24.4 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: 2.124 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

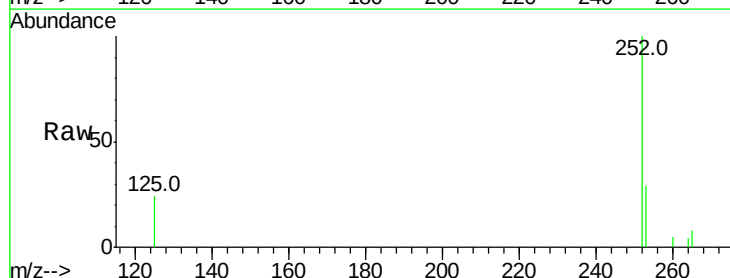
Tgt Ion:252 Resp: 73390

Ion Ratio Lower Upper

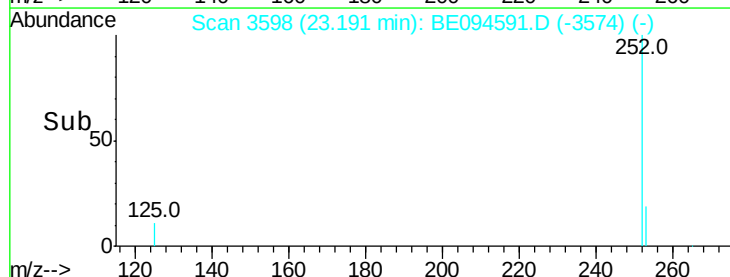
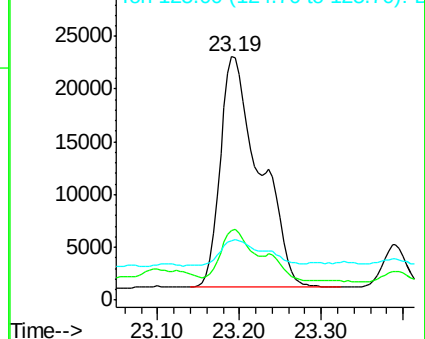
252 100

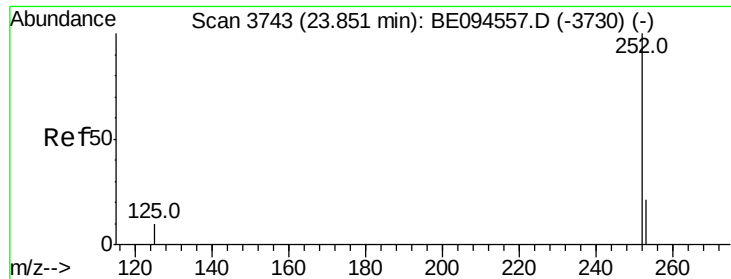
253 28.8 24.5 36.7

125 24.4 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: 1.259 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.01 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

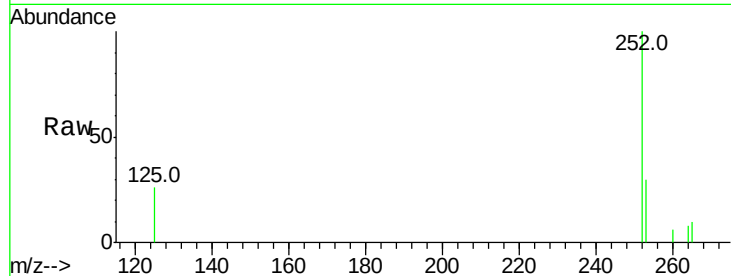
Tot Ion:252 Resp: 40570

Ion Ratio Lower Upper

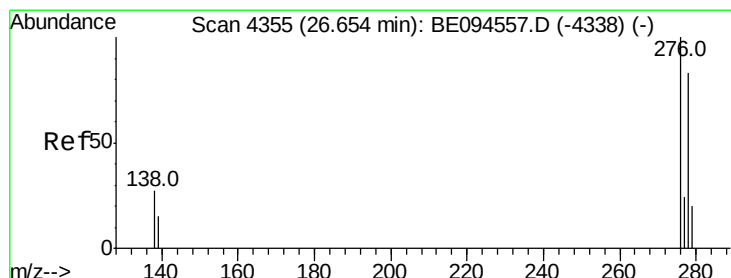
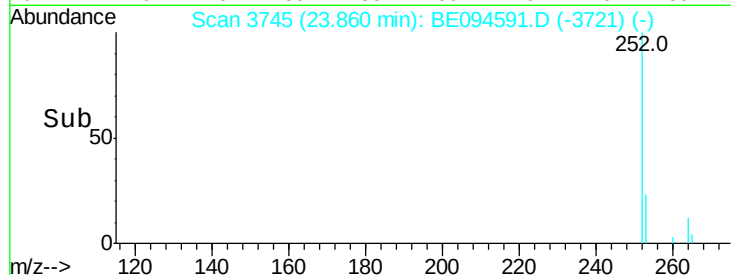
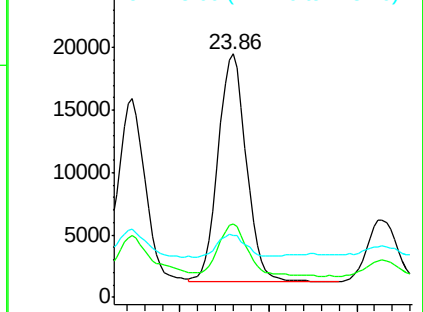
252 100

253 30.1 28.5 42.7

125 25.6 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: 0.776 ng/ul

RT: 26.68 min Scan# 4360

Delta R.T. 0.02 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

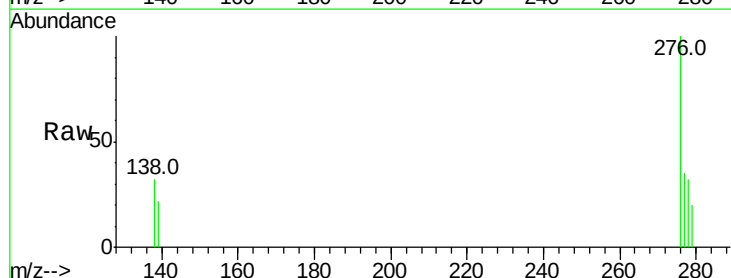
Tgt Ion:276 Resp: 25874

Ion Ratio Lower Upper

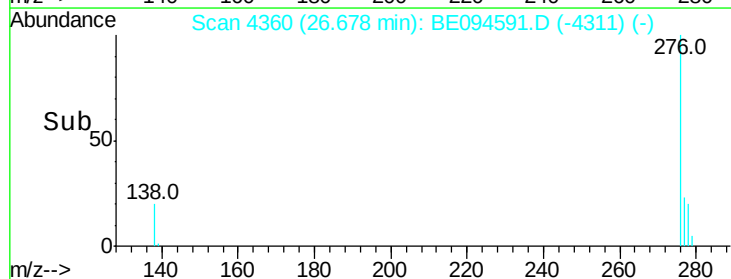
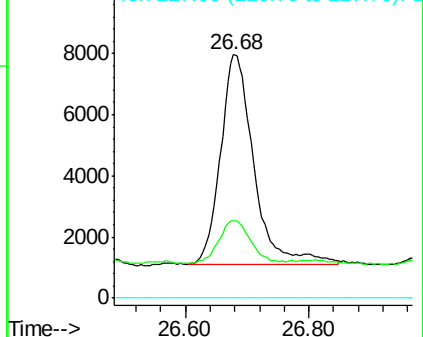
276 100

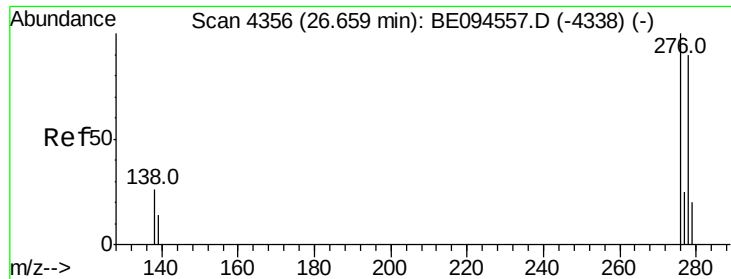
138 19.7 28.0 42.0#

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: 0.246 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.02 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Instrument :

BNA_E

ClientSampleId :

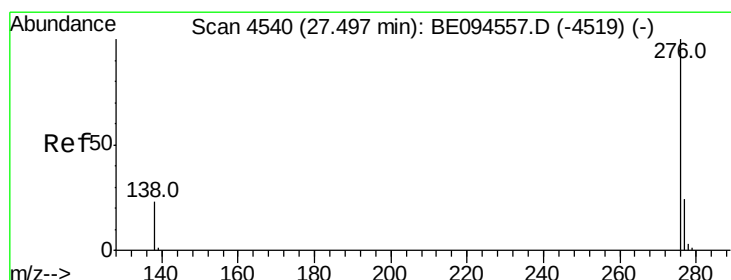
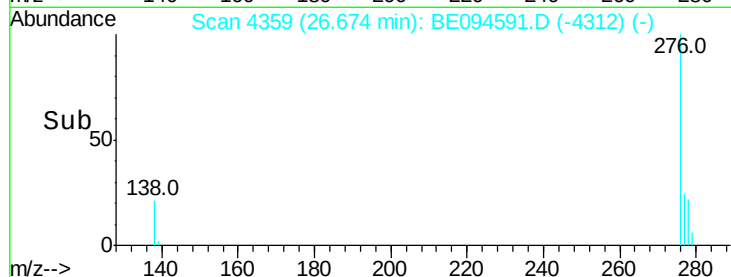
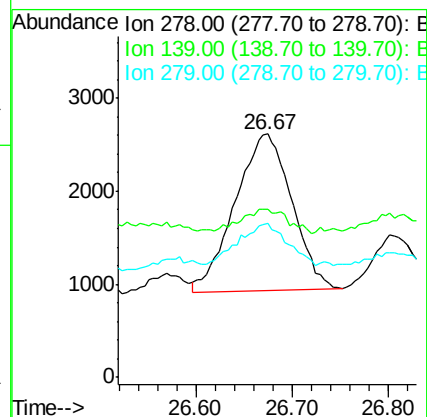
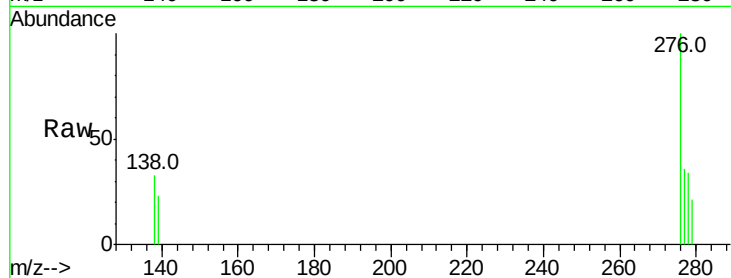
Tot Ion:278 Resp: 6906

Ion Ratio Lower Upper

278 100

139 68.9 17.4 26.0#

279 63.1 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.778 ng/ul

RT: 27.53 min Scan# 4547

Delta R.T. 0.03 min

Lab File: BE094591.D

Acq: 27 Oct 2017 12:09

Tgt Ion:276 Resp: 20833

Ion Ratio Lower Upper

276 100

138 36.7 21.8 32.8#

277 39.4 20.5 30.7#

