

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094683.D
 Acq On : 1 Nov 2017 6:05
 Operator : SJ/JU
 Sample : I5844-20DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 09:40:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 09:37:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1408	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8358	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4621	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10131	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10458	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	11014	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	449	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1087	0.04	ng/ul	-0.01

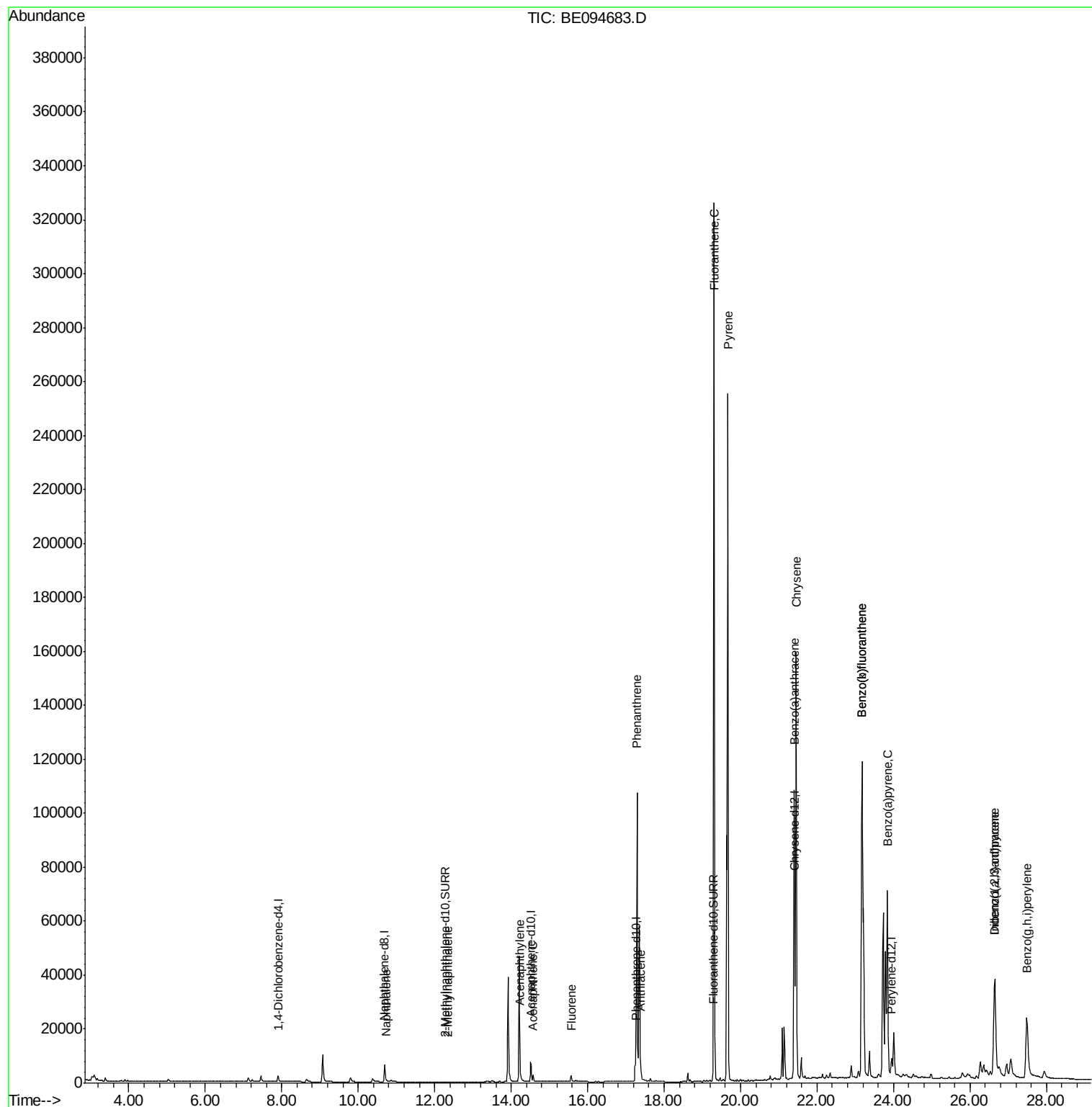
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	460	0.02	ng/ul#	68
5) 2-Methylnaphthalene	12.36	142	352	0.02	ng/ul	99
7) Acenaphthylene	14.24	152	1201	0.06	ng/ul#	87
8) Acenaphthene	14.57	153	1584	0.11	ng/ul	96
9) Fluorene	15.57	166	1725	0.10	ng/ul	97
12) Phenanthrene	17.29	178	128628	4.81	ng/ul#	92
13) Anthracene	17.38	178	10097	0.38	ng/ul#	93
15) Fluoranthene	19.30	202	374160	12.09	ng/ul	84
17) Pyrene	19.67	202	289334	8.95	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	100223	3.35	ng/ul#	87
19) Chrysene	21.46	228	170109	5.50	ng/ul	98
21) Benzo(b)fluoranthene	23.18	252	299188	9.66	ng/ul	84
22) Benzo(k)fluoranthene	23.18	252	299188	9.01	ng/ul#	86
23) Benzo(a)pyrene	23.84	252	109807	3.55	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.65	276	83899	2.62	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.64	278	17910	0.66	ng/ul	92
26) Benzo(a,h,i)perylene	27.49	276	65929	2.56	ng/ul	97

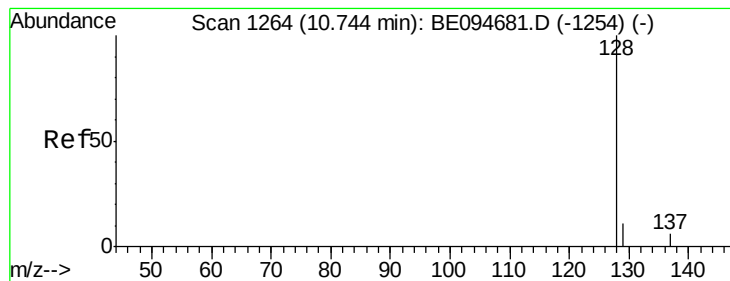
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

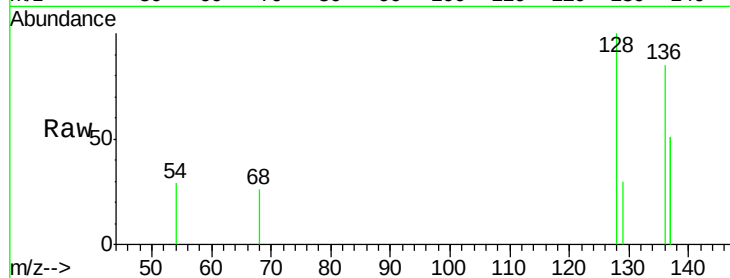
Tot Ion:128 Resp: 460

Ion Ratio Lower Upper

128 100

129 29.7 11.3 16.9#

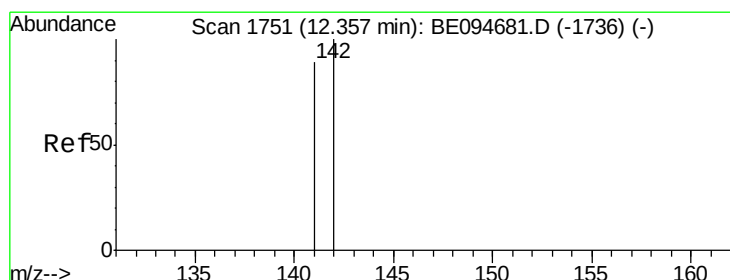
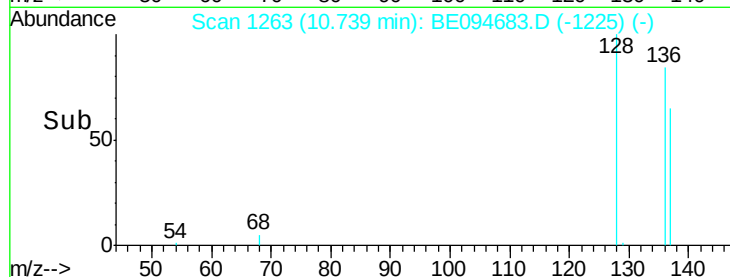
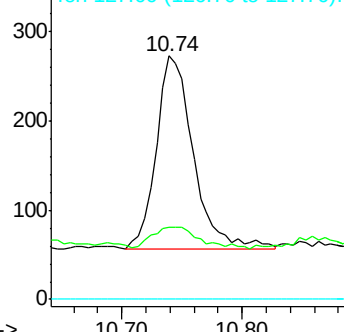
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE094683.D

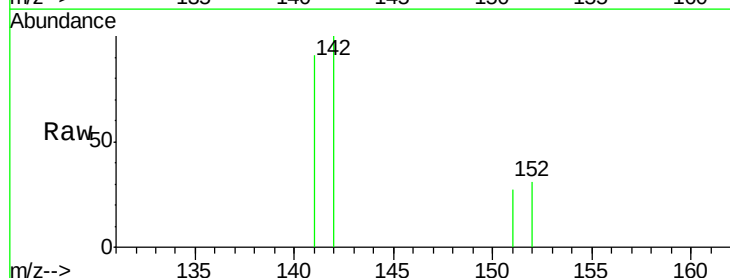
Acq: 1 Nov 2017 6:05

Tgt Ion:142 Resp: 352

Ion Ratio Lower Upper

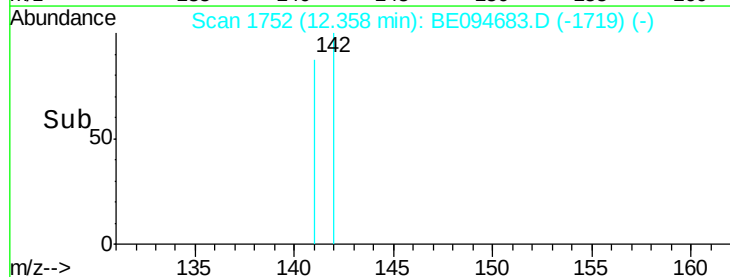
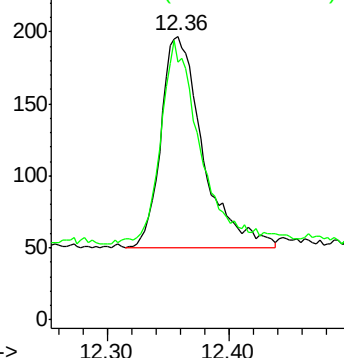
142 100

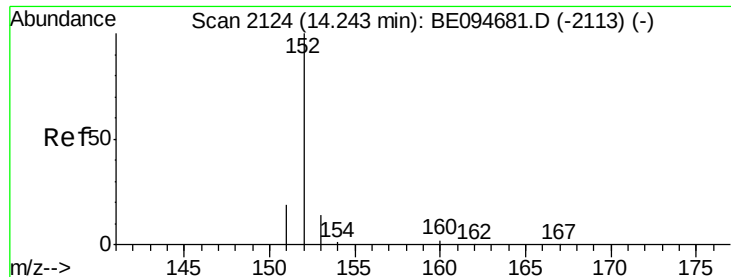
141 92.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

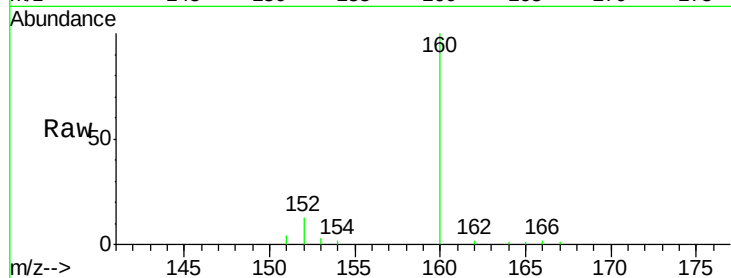
Tot Ion:152 Resp: 1201

Ion Ratio Lower Upper

152 100

151 27.0 17.1 25.7#

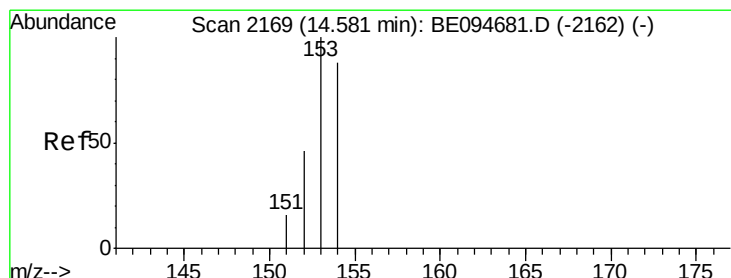
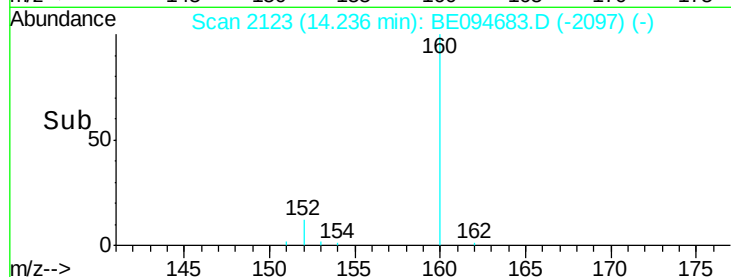
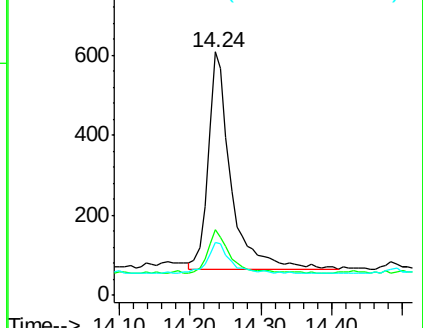
153 21.7 12.8 19.2#



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: 0.11 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

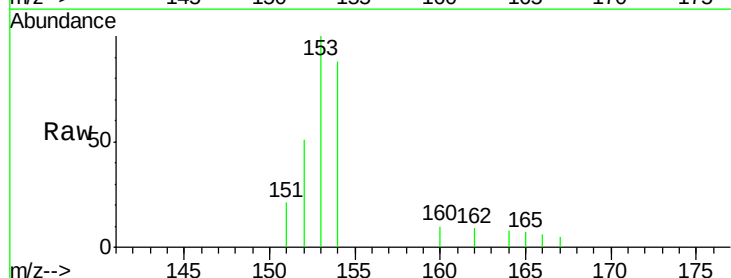
Tgt Ion:153 Resp: 1584

Ion Ratio Lower Upper

153 100

152 50.7 36.0 54.0

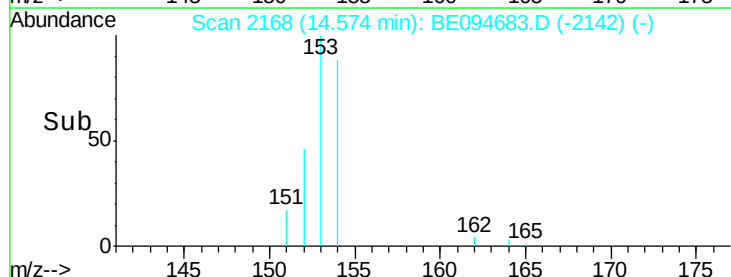
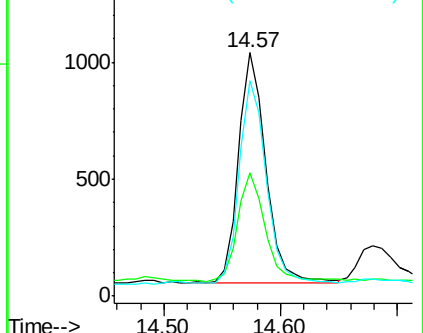
154 88.3 72.0 108.0

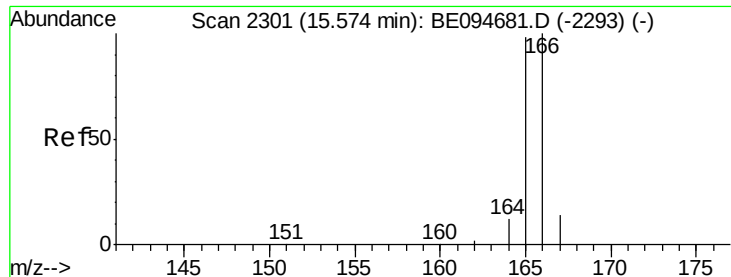


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

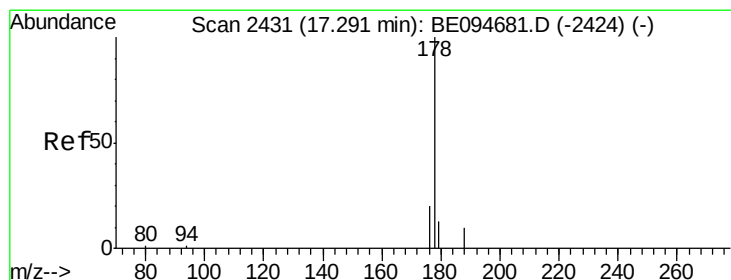
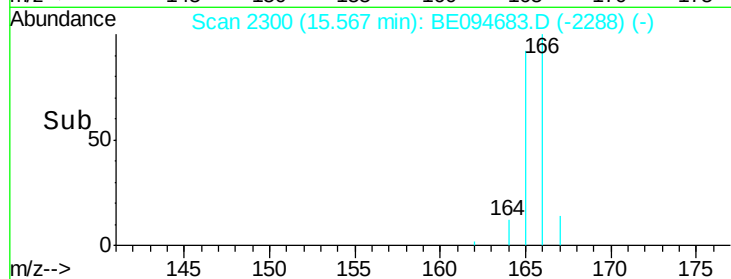
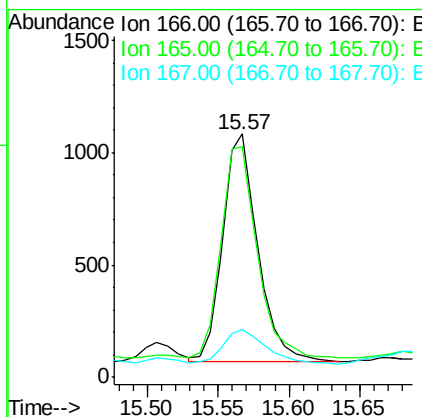
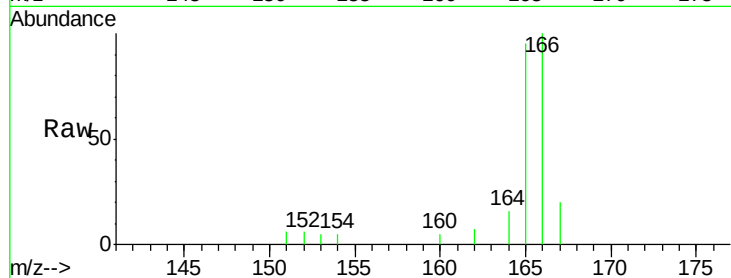




#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

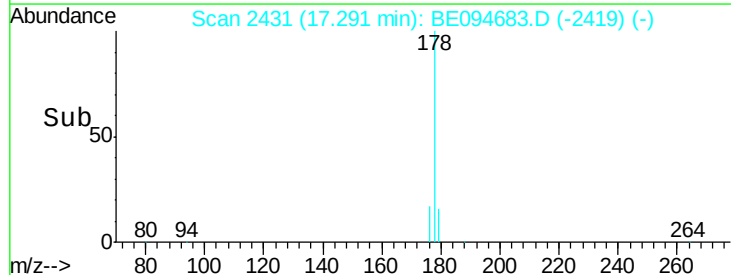
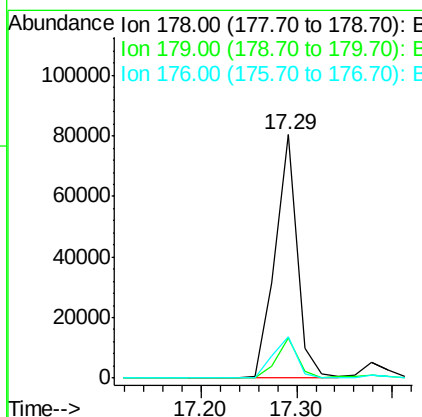
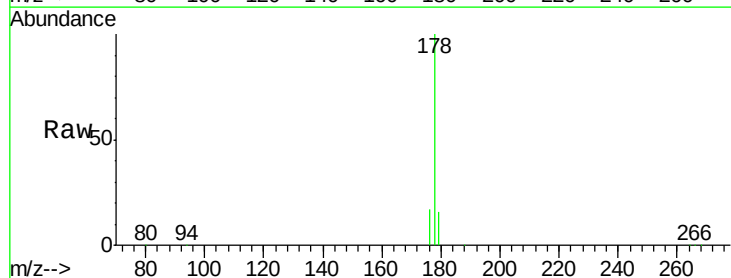
Instrument :
 BNA_E
 ClientSampleId :

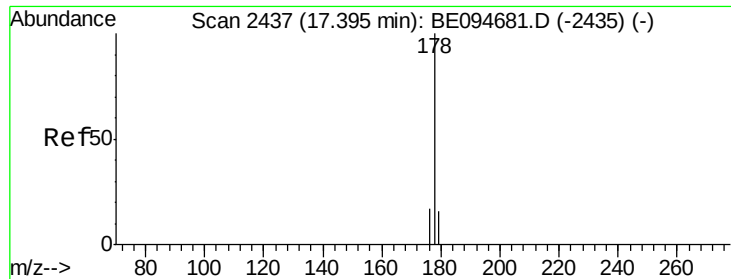
Tot Ion:166 Resp: 1725
 Ion Ratio Lower Upper
 166 100
 165 94.9 73.4 110.2
 167 19.7 14.6 22.0



#12
Phenanthrene
 Concen: 4.81 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Tgt Ion:178 Resp: 128628
 Ion Ratio Lower Upper
 178 100
 179 16.4 18.4 27.6#
 176 16.9 13.6 20.4





#13

Anthracene

Concen: 0.38 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

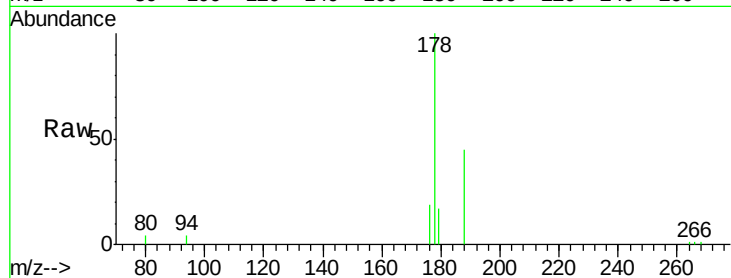
Tot Ion:178 Resp: 10097

Ion Ratio Lower Upper

178 100

179 17.4 18.1 27.1#

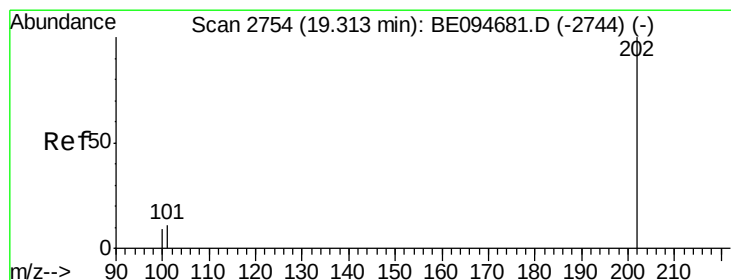
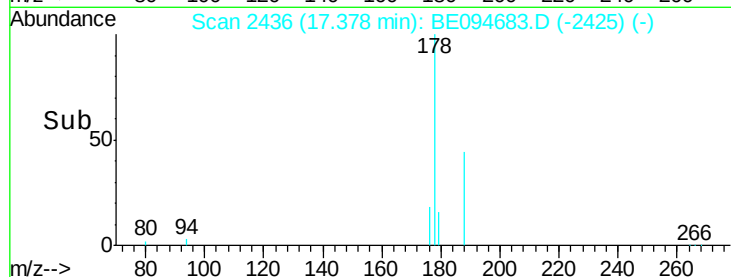
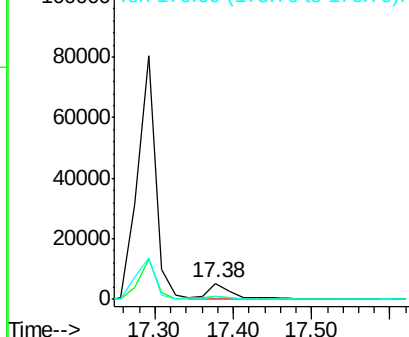
176 19.2 14.7 22.1



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: 12.09 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

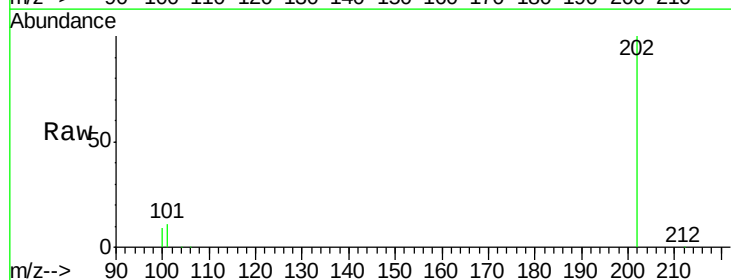
Tgt Ion:202 Resp: 374160

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

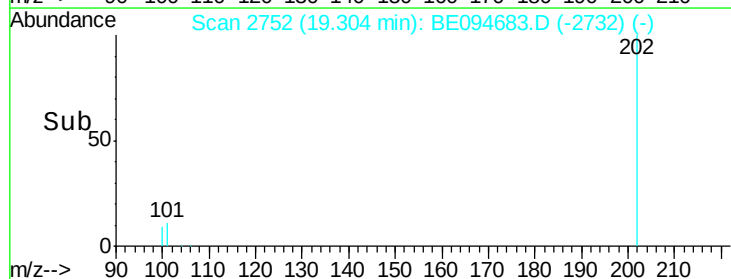
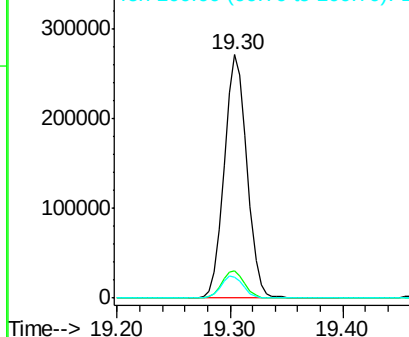
100 8.8 0.0 39.5

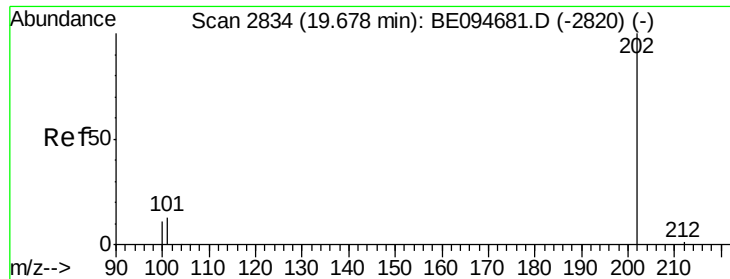


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

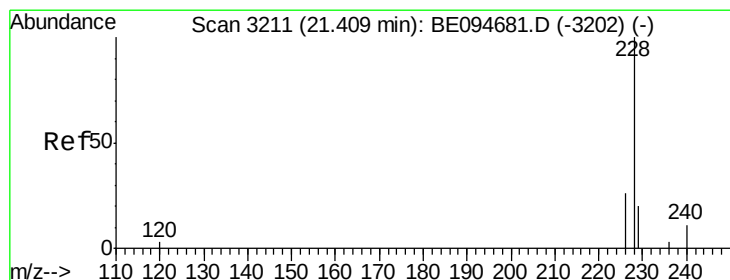
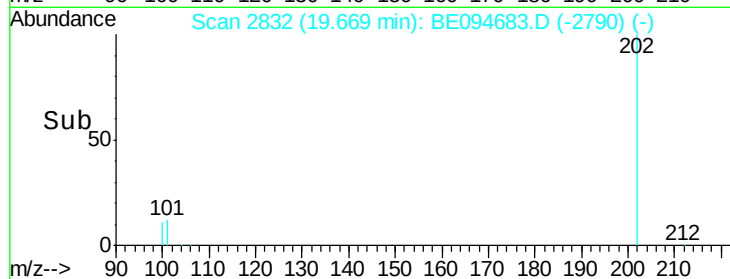
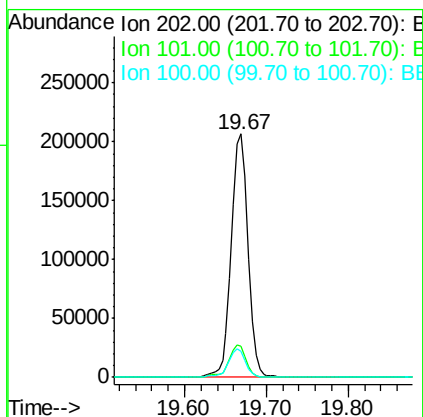
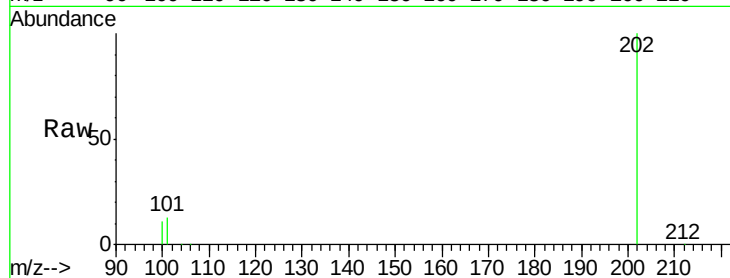




#17
Pvrene
Concen: 8.95 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

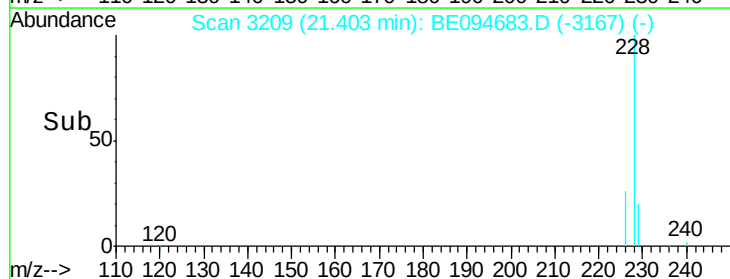
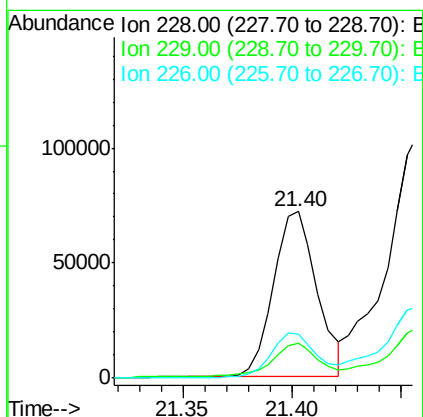
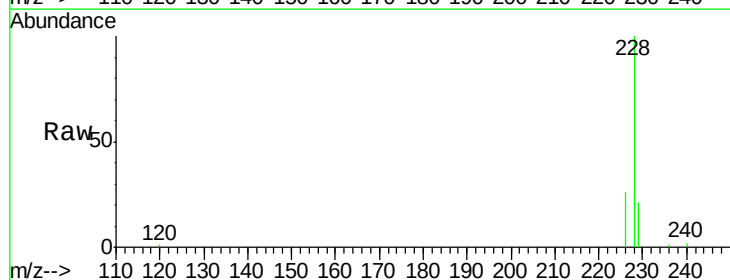
Instrument :
BNA_E
ClientSampleId :

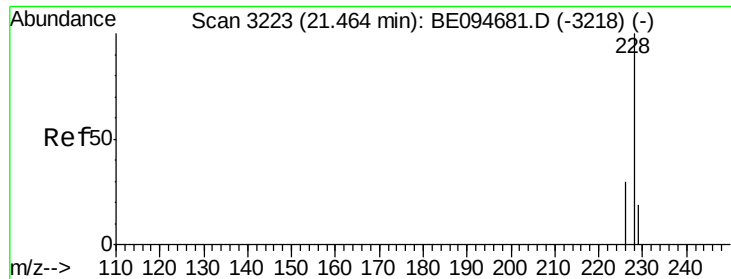
Tot Ion:202 Resp: 289334
Ion Ratio Lower Upper
202 100
101 12.5 18.2 27.4#
100 10.6 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 3.35 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Tgt Ion:228 Resp: 100223
Ion Ratio Lower Upper
228 100
229 20.6 22.8 34.2#
226 26.4 17.0 25.6#





#19

Chrysene

Concen: 5.50 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

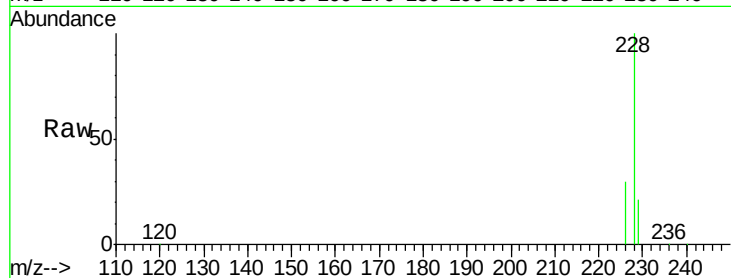
Tot Ion:228 Resp: 170109

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

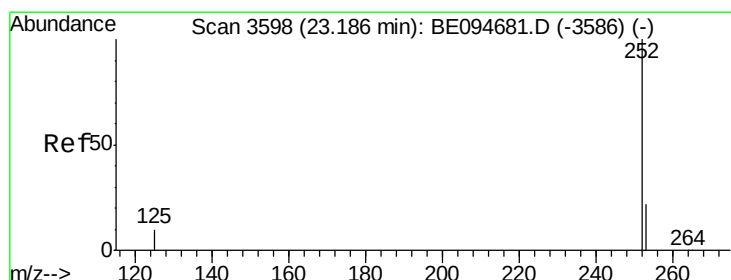
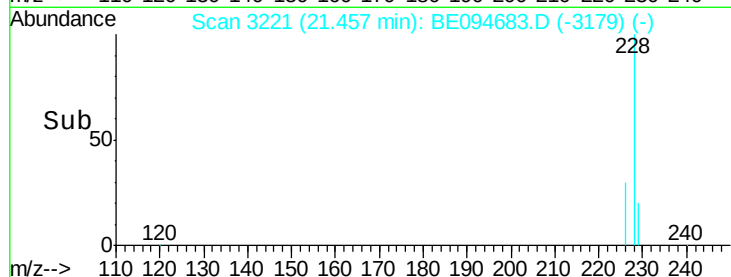
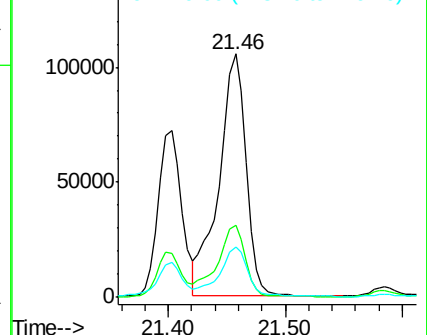
229 20.7 17.7 26.5



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: 9.66 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

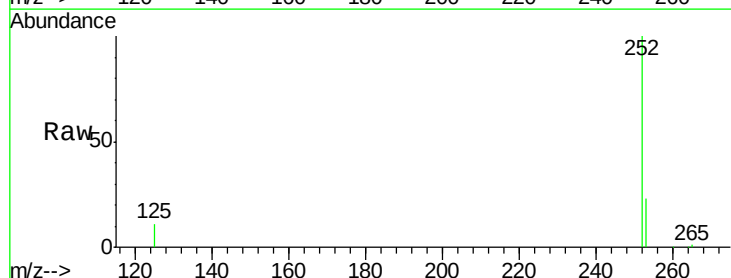
Tgt Ion:252 Resp: 299188

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

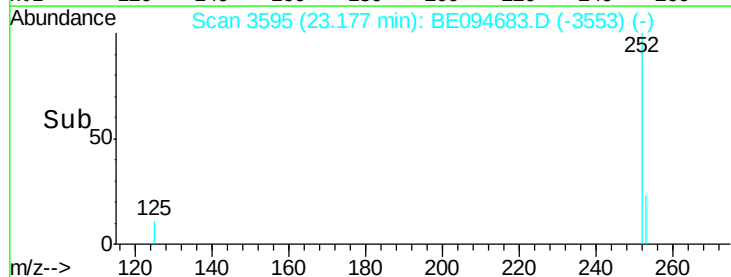
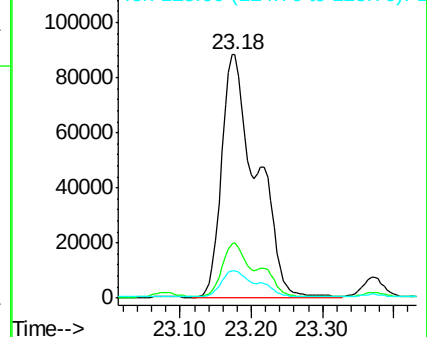
125 11.3 0.0 35.0

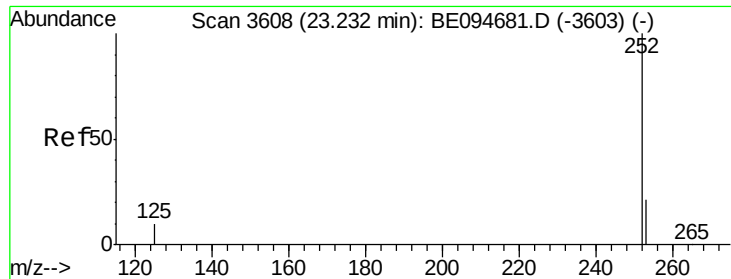


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 9.01 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

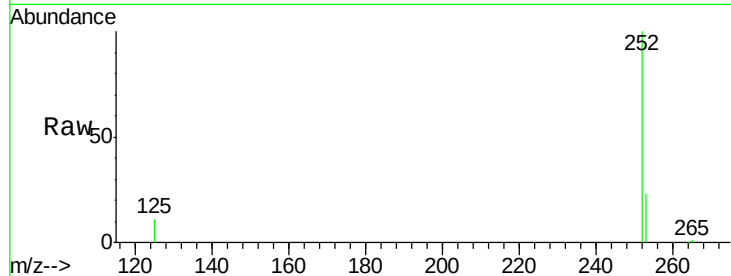
Tot Ion:252 Resp: 299188

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

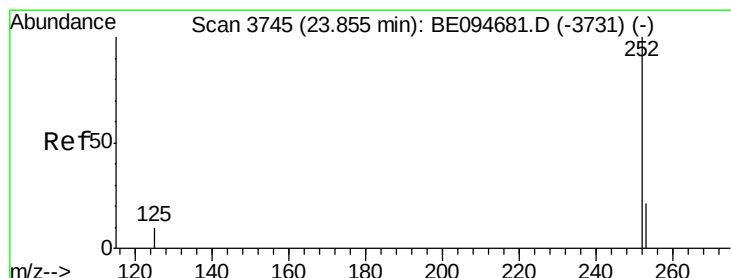
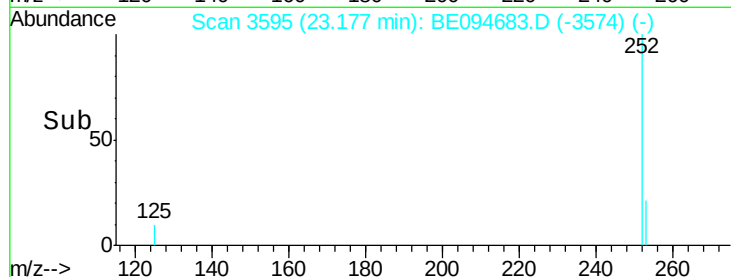
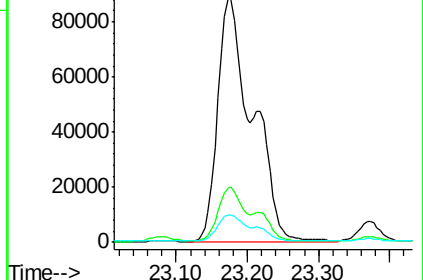
125 11.3 13.7 20.5#



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: 3.55 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

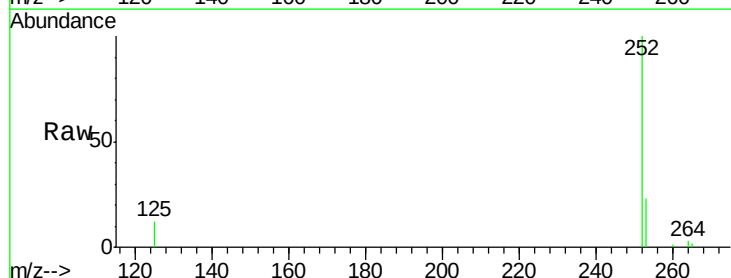
Tgt Ion:252 Resp: 109807

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

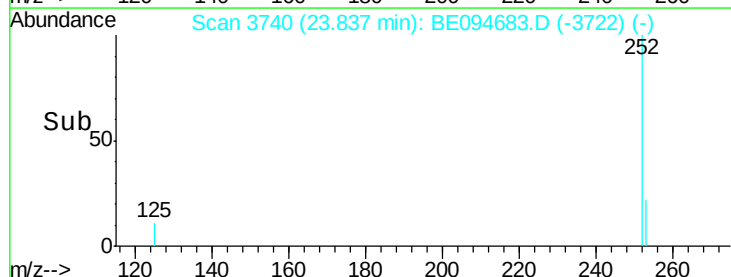
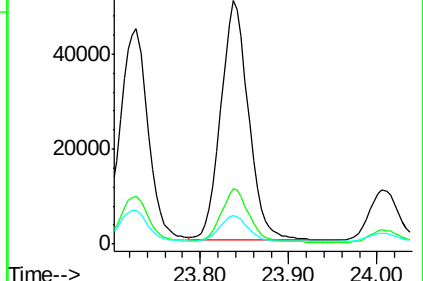
125 12.0 18.1 27.1#

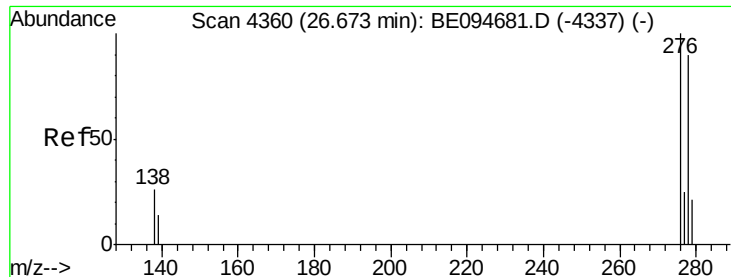


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

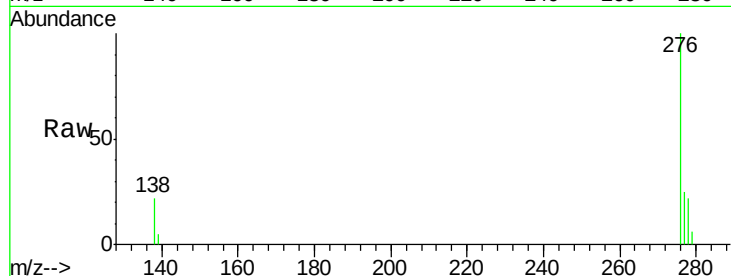




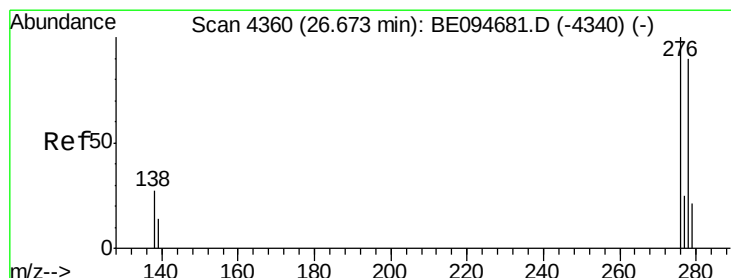
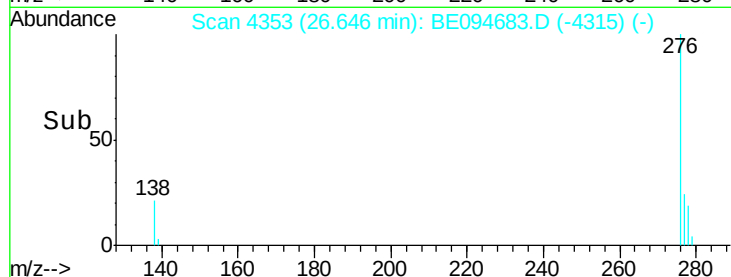
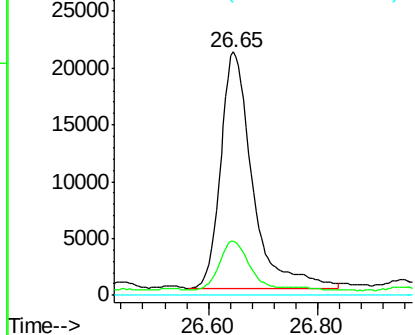
#24
Indeno(1,2,3-cd)pyrene
Concen: 2.62 ng/ul
RT: 26.65 min Scan# 4353
Delta R.T. -0.03 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 83899
Ion Ratio Lower Upper
276 100
138 21.2 28.0 42.0#
227 0.0 8.0 12.0#

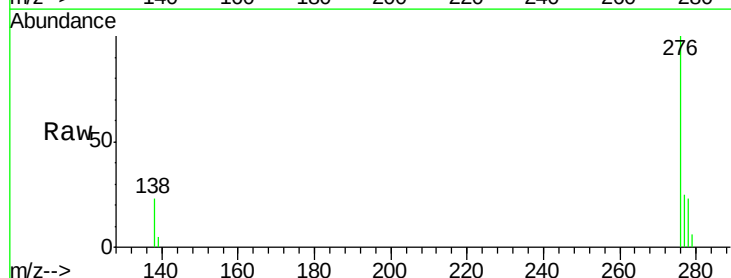


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

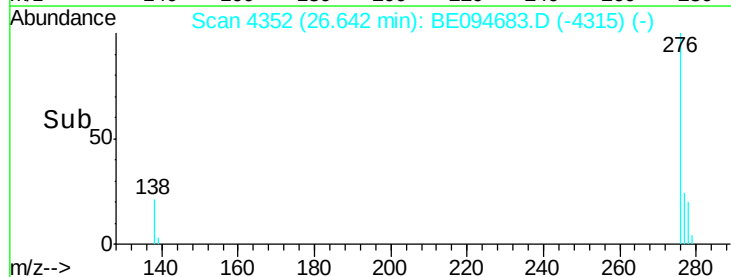
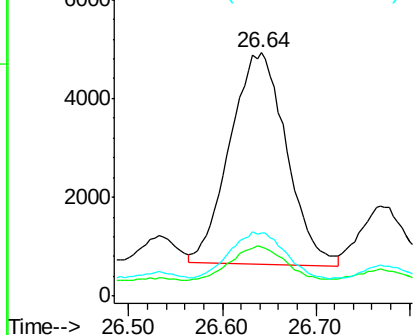


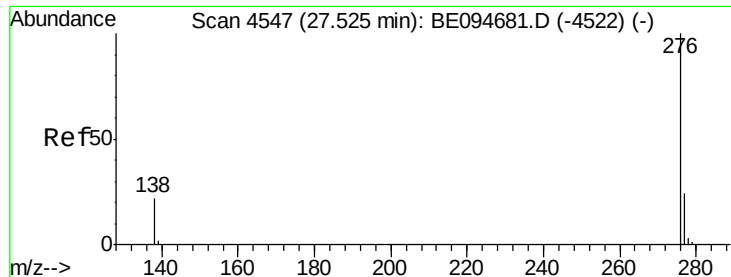
#25
Dibenzo(a,h)anthracene
Concen: 0.66 ng/ul
RT: 26.64 min Scan# 4352
Delta R.T. -0.03 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Tgt Ion:278 Resp: 17910
Ion Ratio Lower Upper
278 100
139 20.2 17.4 26.0
279 26.0 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(a,h,i)perylene

Concen: 2.56 ng/ul

RT: 27.49 min Scan# 4538

Delta R.T. -0.04 min

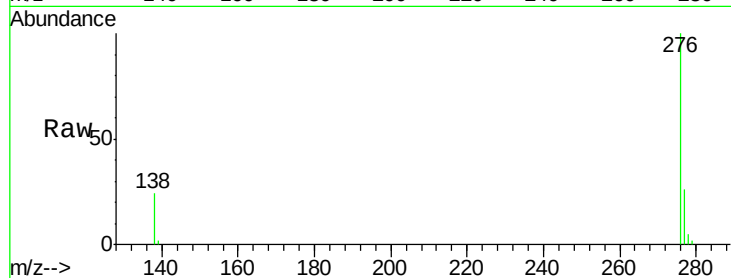
Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :



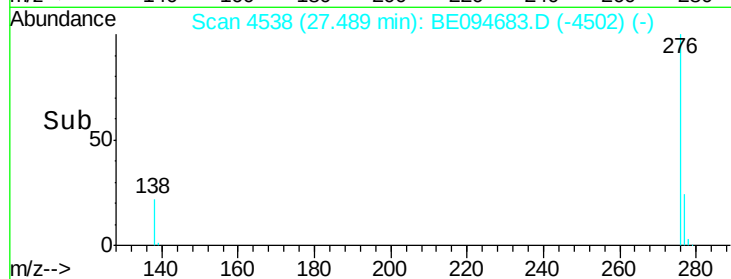
Tot Ion: 276 Resp: 65929

Ion Ratio Lower Upper

276 100

138 24.0 21.8 32.8

277 25.5 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

