

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094286.D
 Acq On : 11 Oct 2017 19:12
 Operator : SJ/JU
 Sample : I5490-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 12 07:35:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

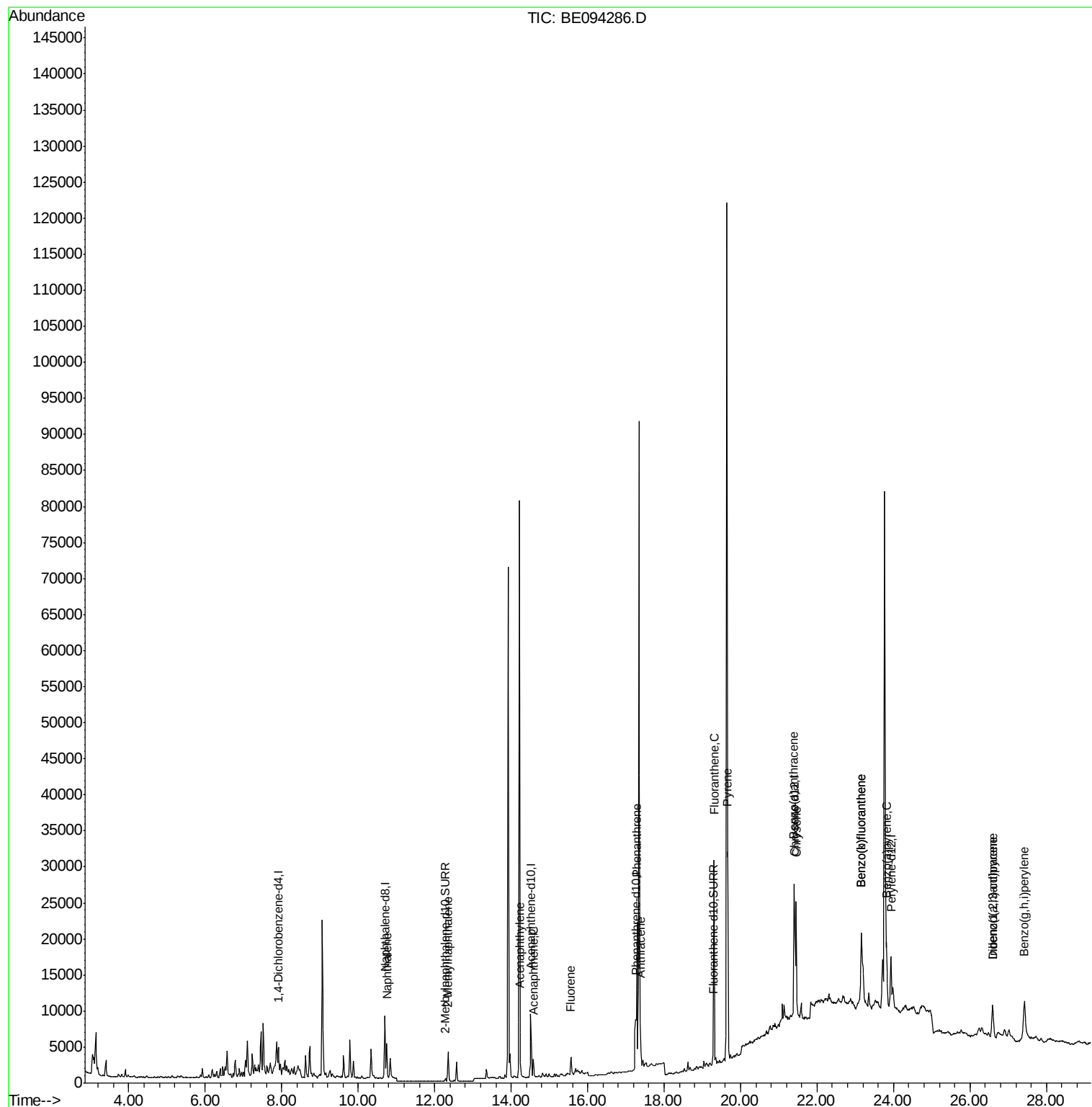
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1870	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9446	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5239	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10975	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10866	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	11416	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	659	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1529	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7380	0.319	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	3660	0.244	ng/ul	97
7) Acenaphthylene	14.24	152	977	0.048	ng/ul#	64
8) Acenaphthene	14.58	153	1586	0.094	ng/ul	99
9) Fluorene	15.57	166	1773	0.090	ng/ul#	89
12) Phenanthrene	17.29	178	23309	0.813	ng/ul#	92
13) Anthracene	17.38	178	5898	0.211	ng/ul#	95
15) Fluoranthene	19.30	202	31596	0.838	ng/ul	84
17) Pyrene	19.67	202	31906	1.055	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	15521	0.538	ng/ul#	79
19) Chrysene	21.45	228	17960	0.540	ng/ul#	74
21) Benzo(b)fluoranthene	23.16	252	25283	0.815	ng/ul#	56
22) Benzo(k)fluoranthene	23.16	252	24828	0.693	ng/ul#	53
23) Benzo(a)pyrene	23.81	252	13426	0.417	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	26.59	276	9250	0.281	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.60	278	2223	0.080	ng/ul#	1
26) Benzo(a,h,i)perylene	27.42	276	13340	0.469	ng/ul#	65

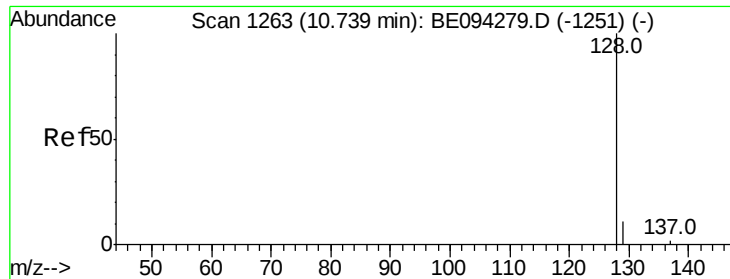
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.319 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

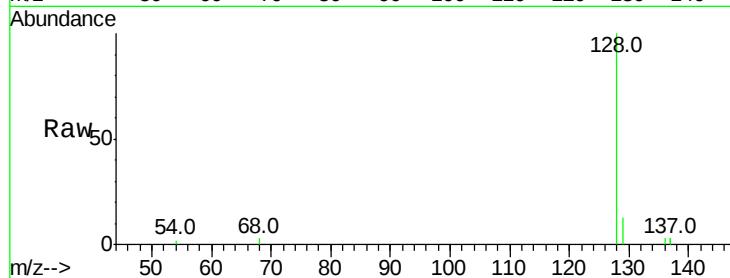
Tot Ion:128 Resp: 7380

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

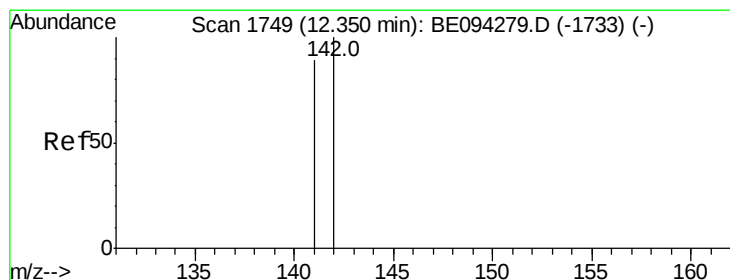
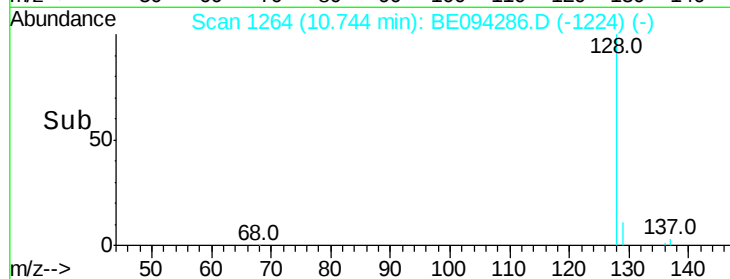
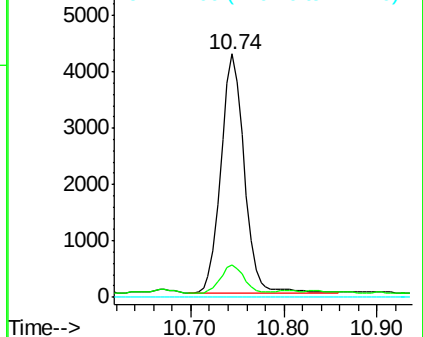
127 0.0 4.0 6.0#



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: 0.244 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094286.D

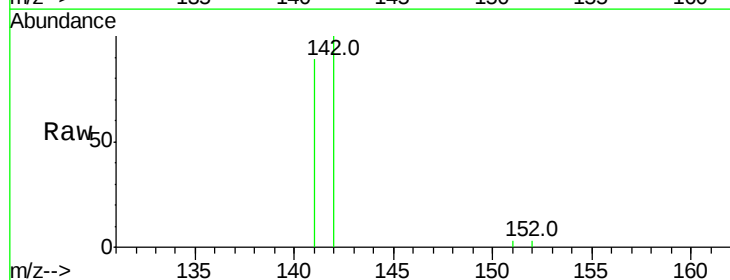
Acq: 11 Oct 2017 19:12

Tgt Ion:142 Resp: 3660

Ion Ratio Lower Upper

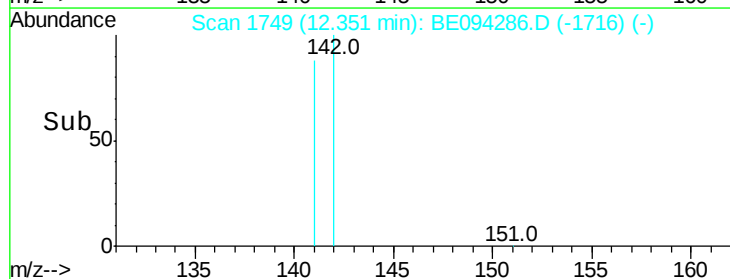
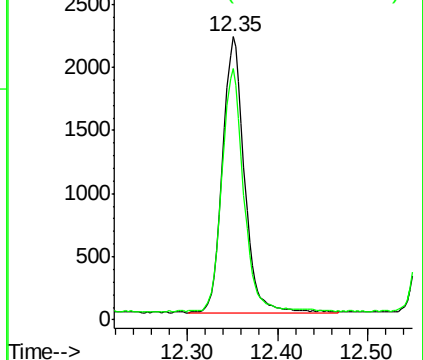
142 100

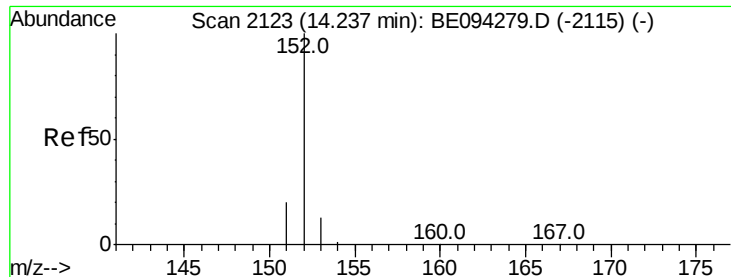
141 87.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

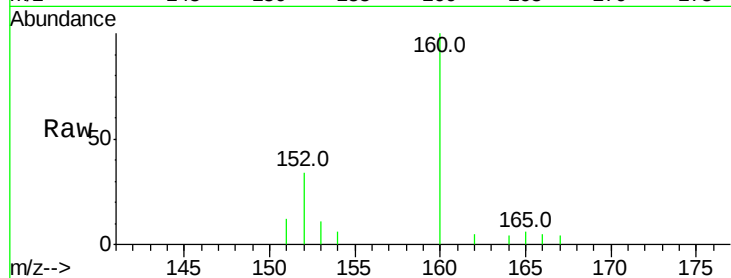
Tot Ion:152 Resp: 977

Ion Ratio Lower Upper

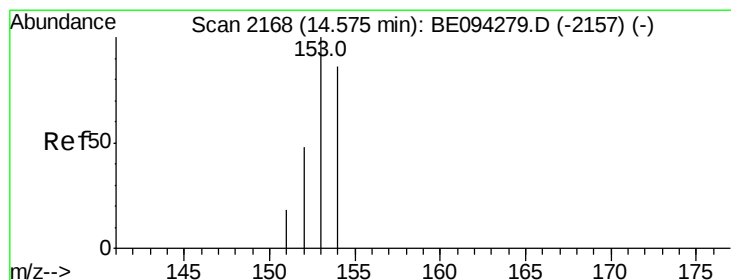
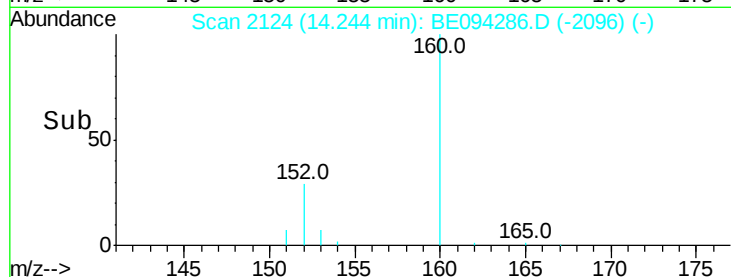
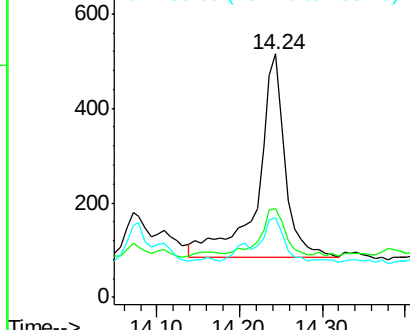
152 100

151 36.7 17.1 25.7#

153 33.0 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: 0.094 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

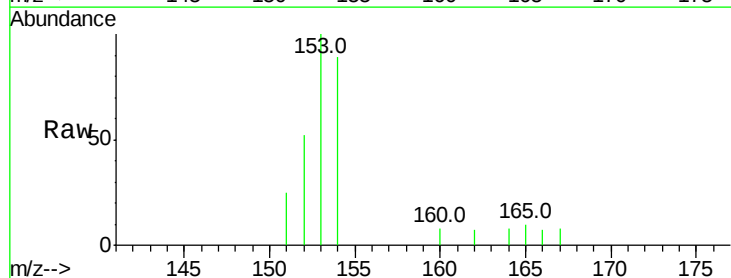
Tgt Ion:153 Resp: 1586

Ion Ratio Lower Upper

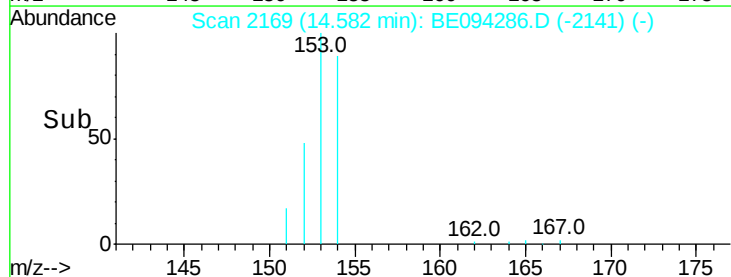
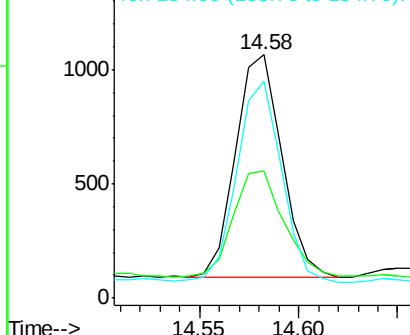
153 100

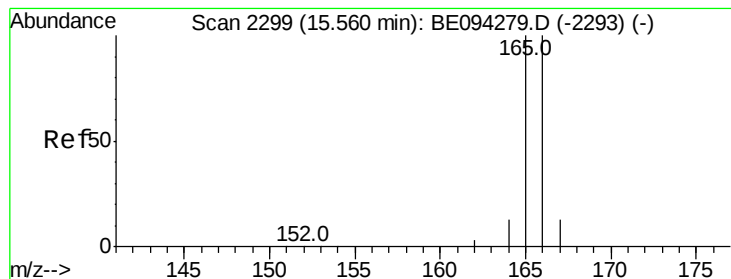
152 52.2 40.3 60.5

154 88.7 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: 0.090 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

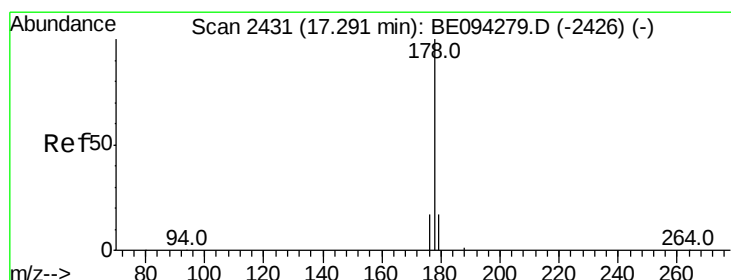
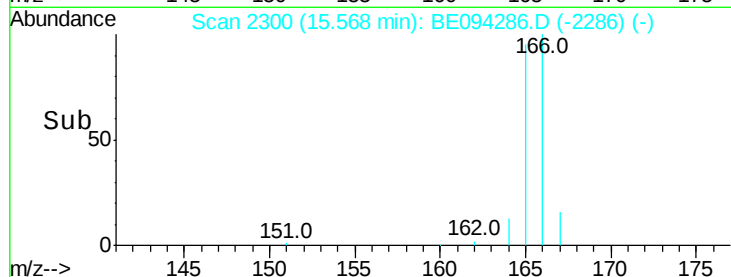
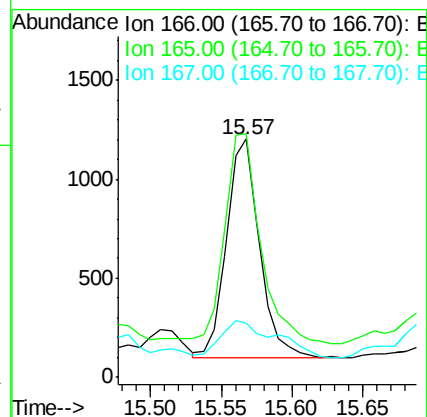
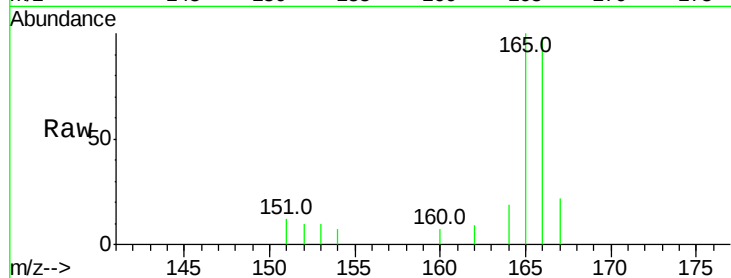
Tot Ion:166 Resp: 1773

Ion Ratio Lower Upper

166 100

165 102.3 73.4 110.2

167 22.6 14.6 22.0#



#12

Phenanthrene

Concen: 0.813 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

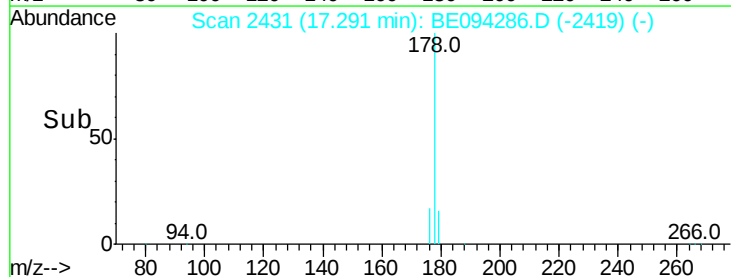
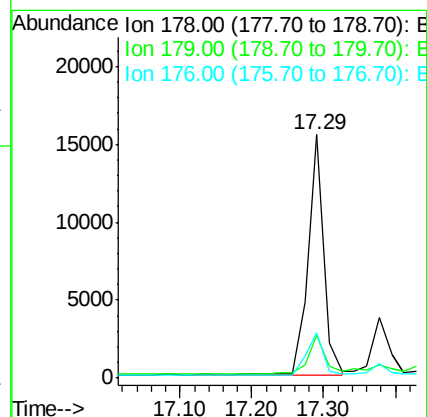
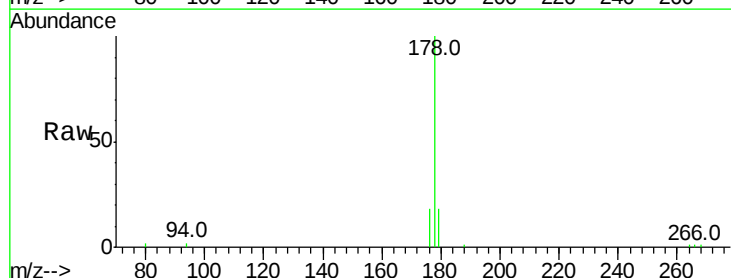
Tgt Ion:178 Resp: 23309

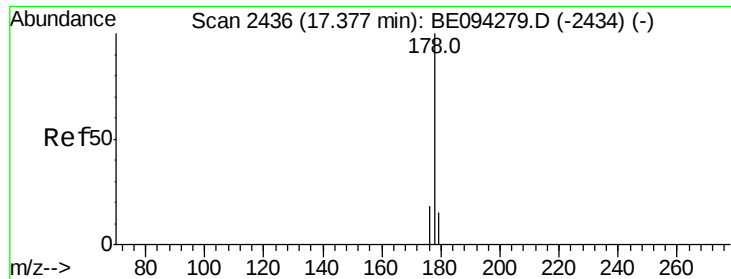
Ion Ratio Lower Upper

178 100

179 17.8 18.4 27.6#

176 18.3 13.6 20.4





#13

Anthracene

Concen: 0.211 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

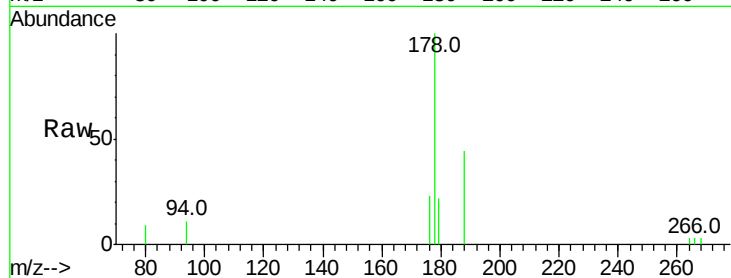
Tot Ion:178 Resp: 5898

Ion Ratio Lower Upper

178 100

179 22.5 18.1 27.1

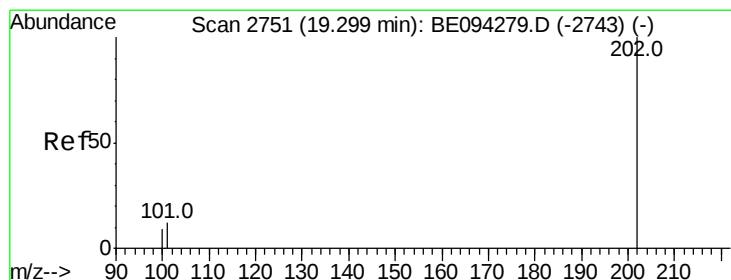
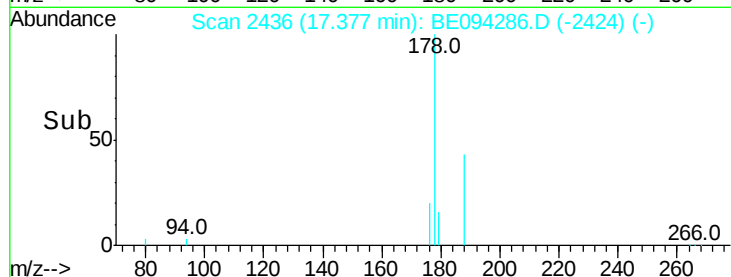
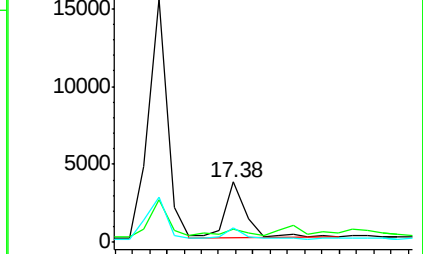
176 23.4 14.7 22.1#



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: 0.838 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

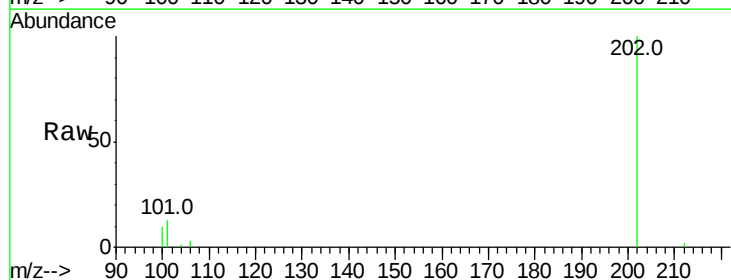
Tgt Ion:202 Resp: 31596

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.3

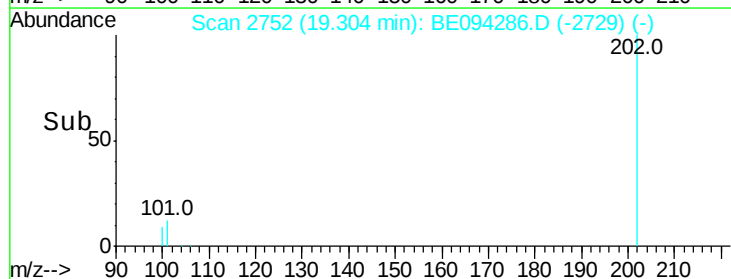
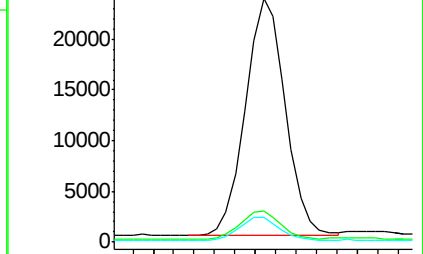
100 10.1 0.0 39.5

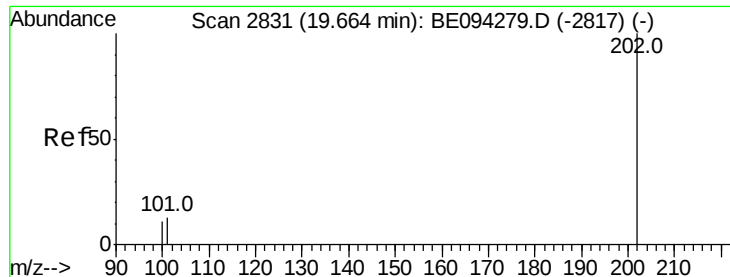


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

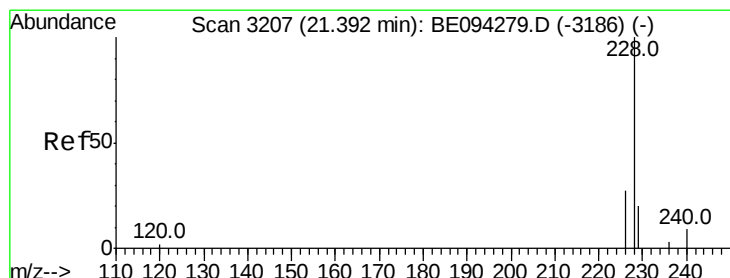
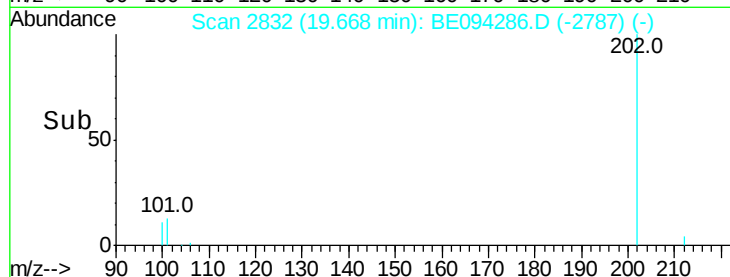
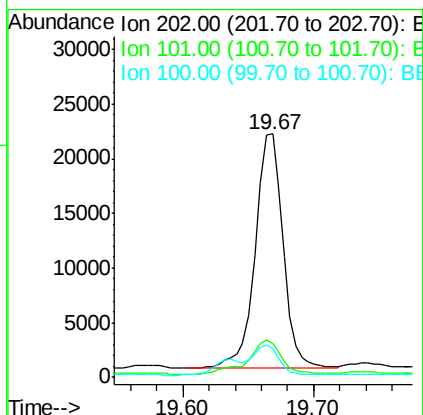
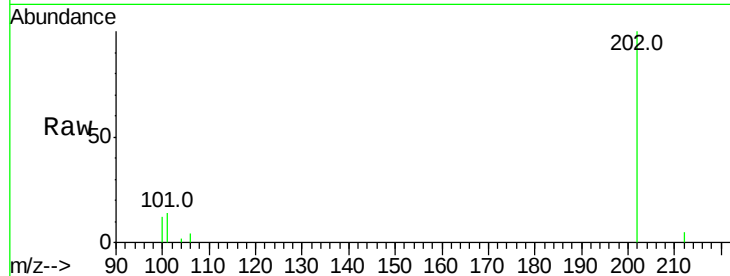




#17
Pvrene
Concen: 1.055 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE094286.D
Acq: 11 Oct 2017 19:12

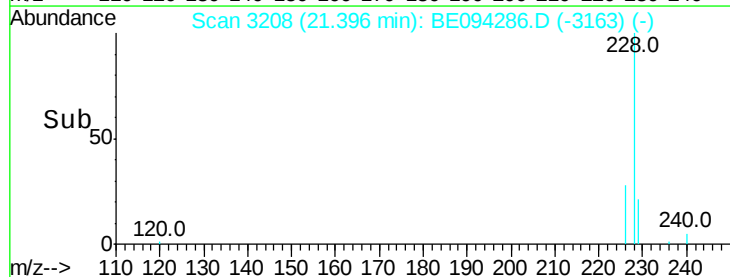
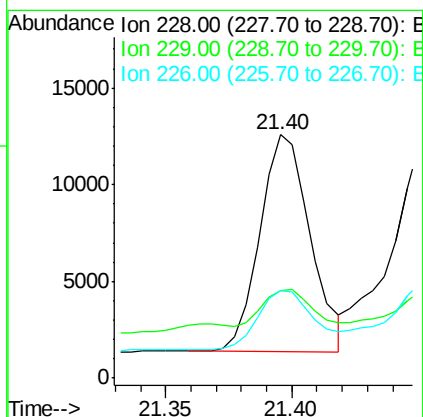
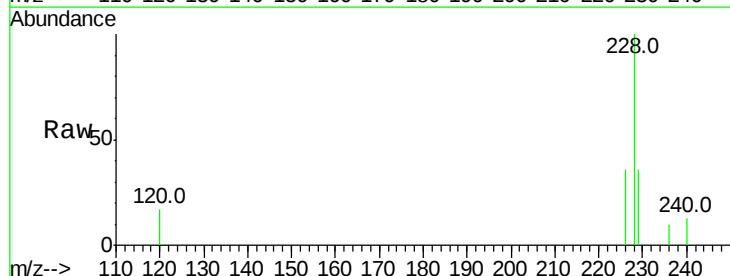
Instrument :
BNA_E
ClientSampleId :

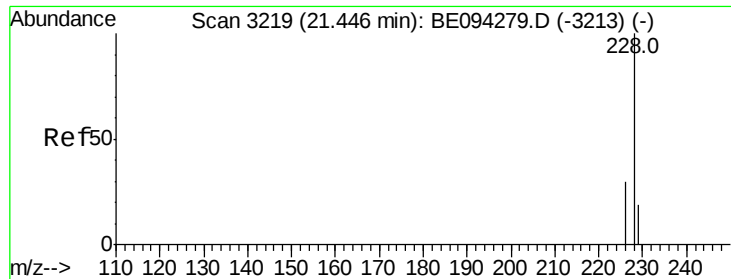
Tot Ion:202 Resp: 31906
Ion Ratio Lower Upper
202 100
101 14.0 18.2 27.4#
100 11.6 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.538 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BE094286.D
Acq: 11 Oct 2017 19:12

Tgt Ion:228 Resp: 15521
Ion Ratio Lower Upper
228 100
229 35.9 22.8 34.2#
226 36.1 17.0 25.6#





#19

Chrysene

Concen: 0.540 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. 0.00 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

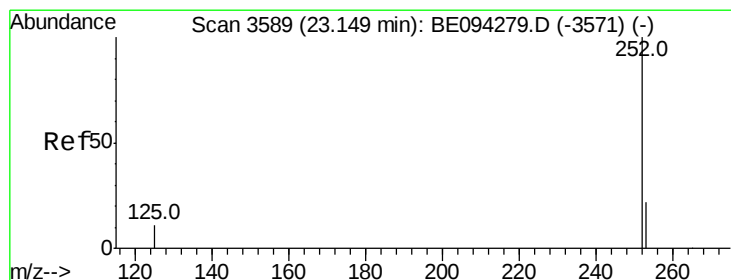
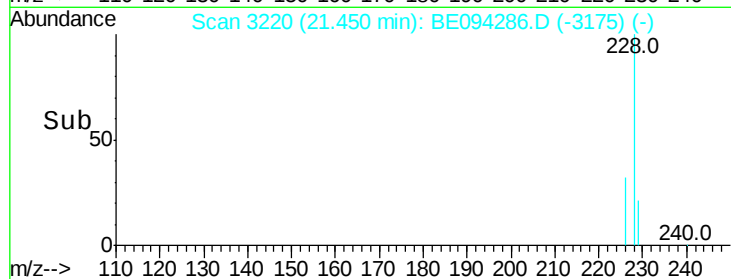
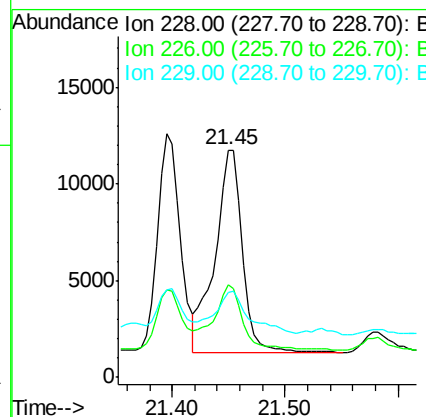
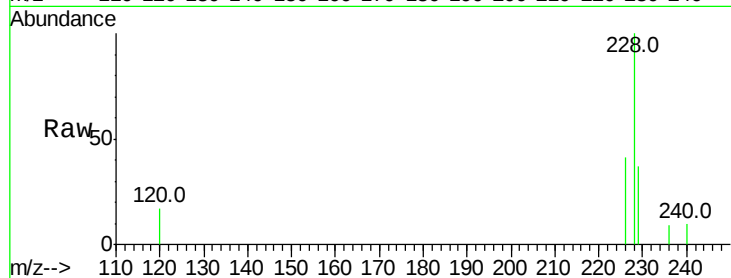
Tot Ion:228 Resp: 17960

Ion Ratio Lower Upper

228 100

226 40.8 23.4 35.0#

229 37.3 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.815 ng/ul

RT: 23.16 min Scan# 3592

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

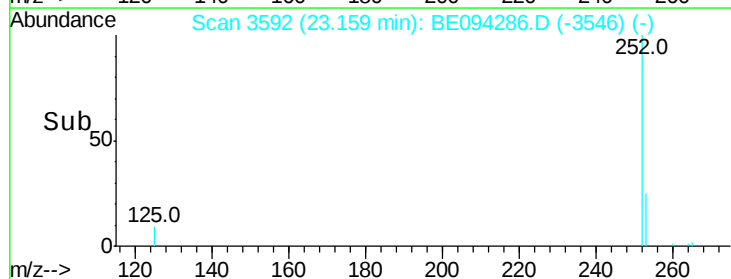
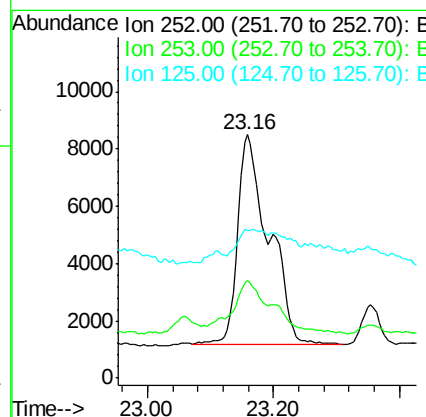
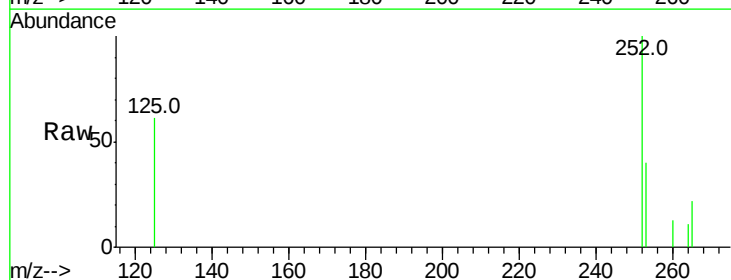
Tgt Ion:252 Resp: 25283

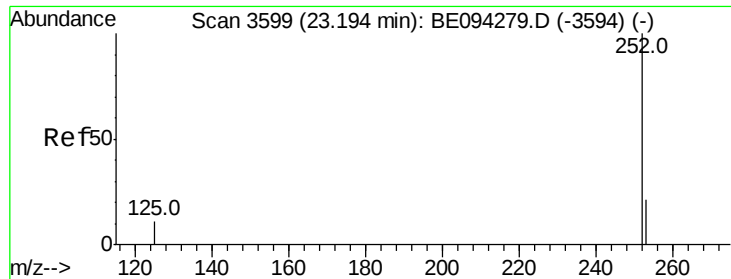
Ion Ratio Lower Upper

252 100

253 39.9 0.0 64.2

125 60.6 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.693 ng/ul

RT: 23.16 min Scan# 3592

Delta R.T. -0.04 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :

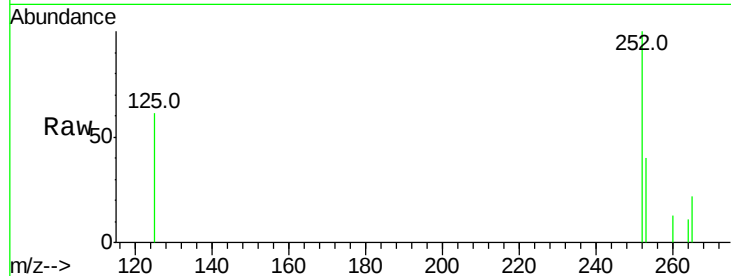
Tot Ion:252 Resp: 24828

Ion Ratio Lower Upper

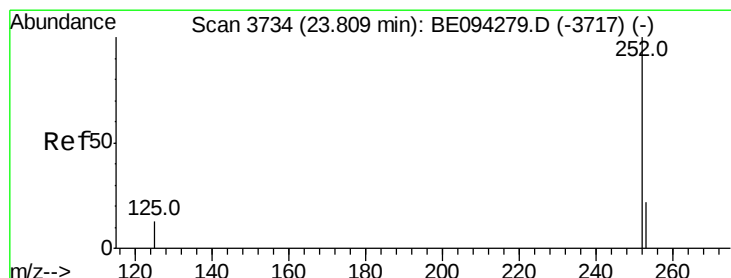
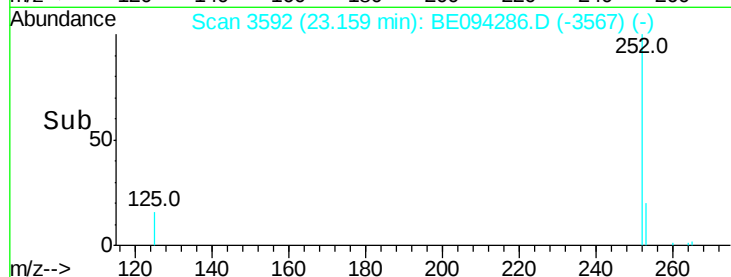
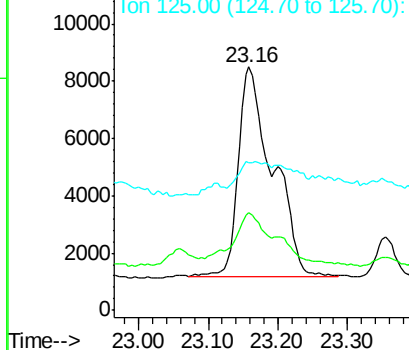
252 100

253 39.9 24.5 36.7#

125 60.6 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: 0.417 ng/ul

RT: 23.81 min Scan# 3736

Delta R.T. 0.01 min

Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

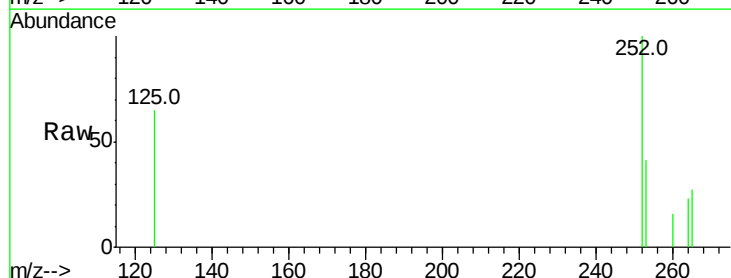
Tgt Ion:252 Resp: 13426

Ion Ratio Lower Upper

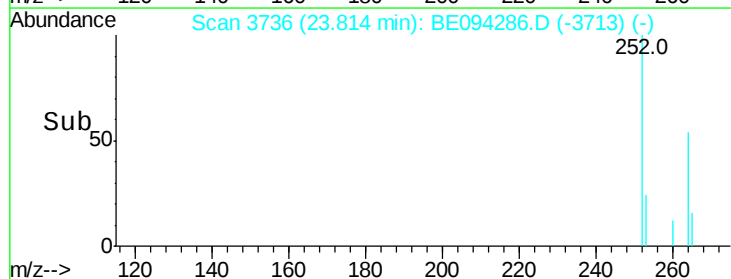
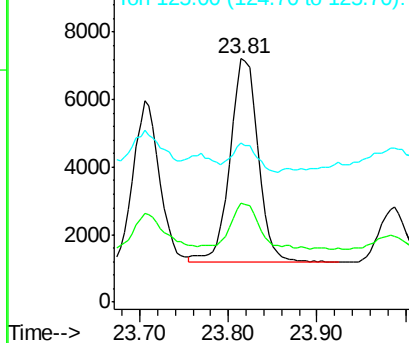
252 100

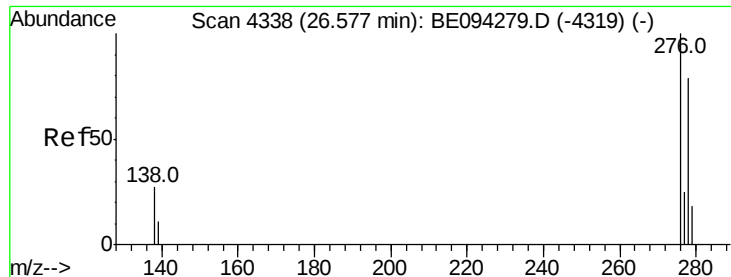
253 40.7 28.5 42.7

125 65.2 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

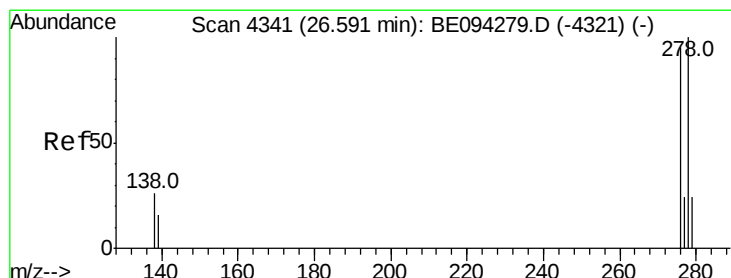
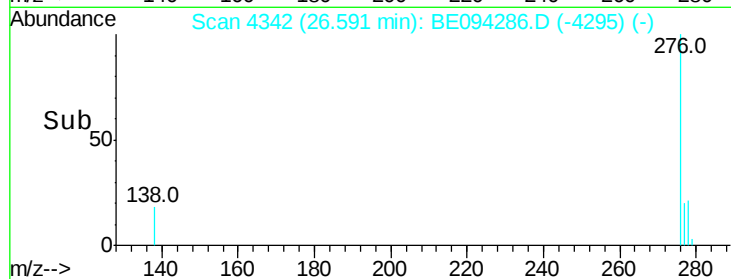
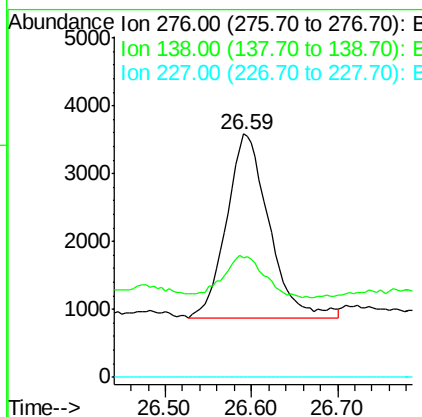
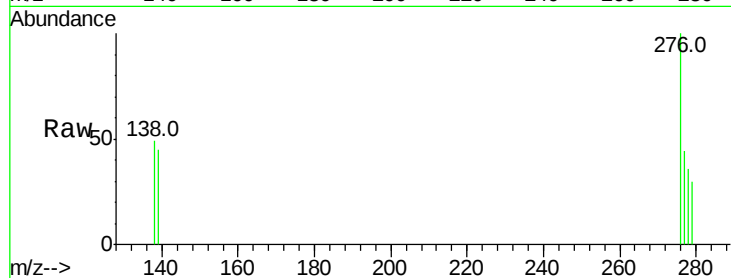




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.281 ng/ul
 RT: 26.59 min Scan# 4342
 Delta R.T. 0.01 min
 Lab File: BE094286.D
 Acq: 11 Oct 2017 19:12

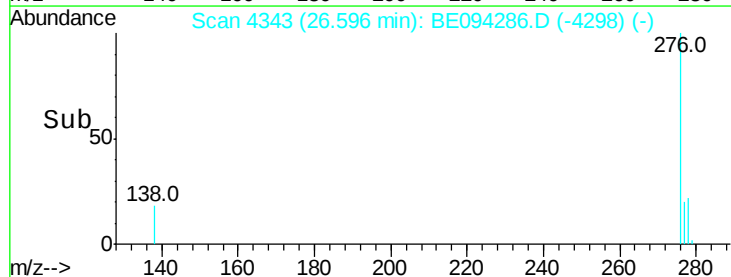
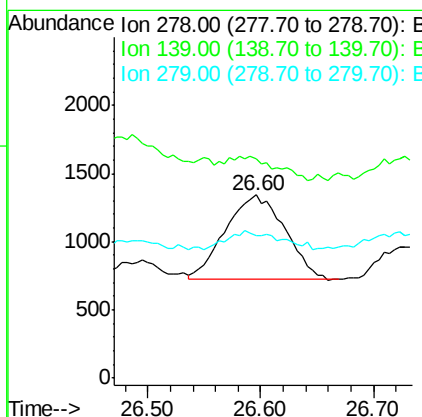
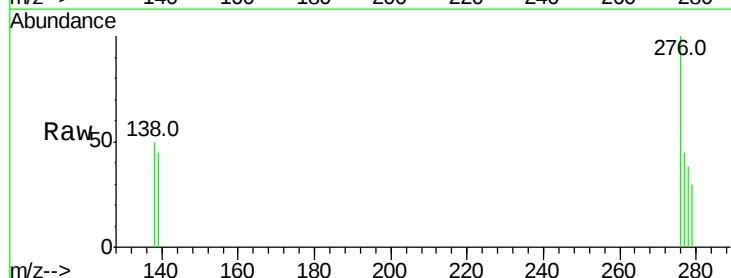
Instrument :
 BNA_E
 ClientSampled :

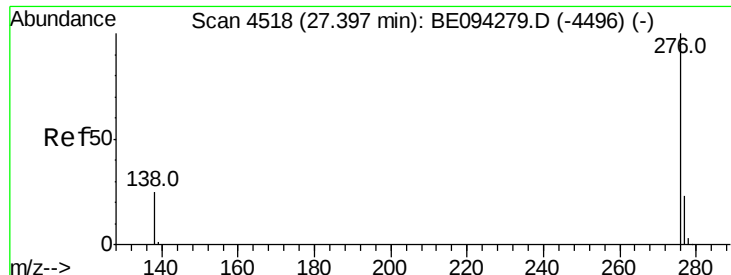
Tot Ion:276 Resp: 9250
 Ion Ratio Lower Upper
 276 100
 138 21.8 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.080 ng/ul
 RT: 26.60 min Scan# 4343
 Delta R.T. 0.00 min
 Lab File: BE094286.D
 Acq: 11 Oct 2017 19:12

Tgt Ion:278 Resp: 2223
 Ion Ratio Lower Upper
 278 100
 139 119.7 17.4 26.0#
 279 78.1 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.469 ng/ul

RT: 27.42 min Scan# 4525

Delta R.T. 0.03 min

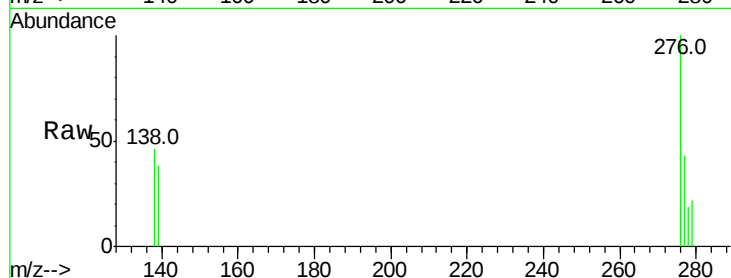
Lab File: BE094286.D

Acq: 11 Oct 2017 19:12

Instrument :

BNA_E

ClientSampleId :



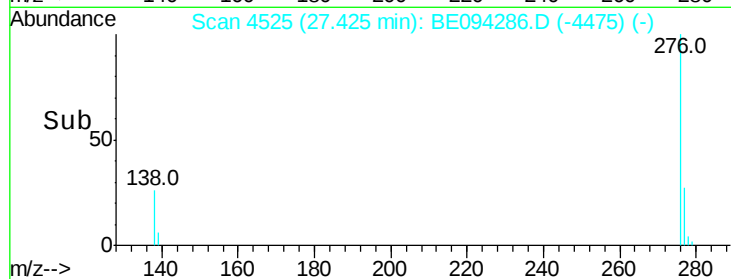
Tot Ion:276 Resp: 13340

Ion Ratio Lower Upper

276 100

138 46.3 21.8 32.8#

277 43.0 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

