

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094707.D
 Acq On : 3 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-61(0-1)-101117

Quant Time: Nov 03 23:59:12 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 Nov 03 23:54:30 2017
 Response via : Initial Calibration

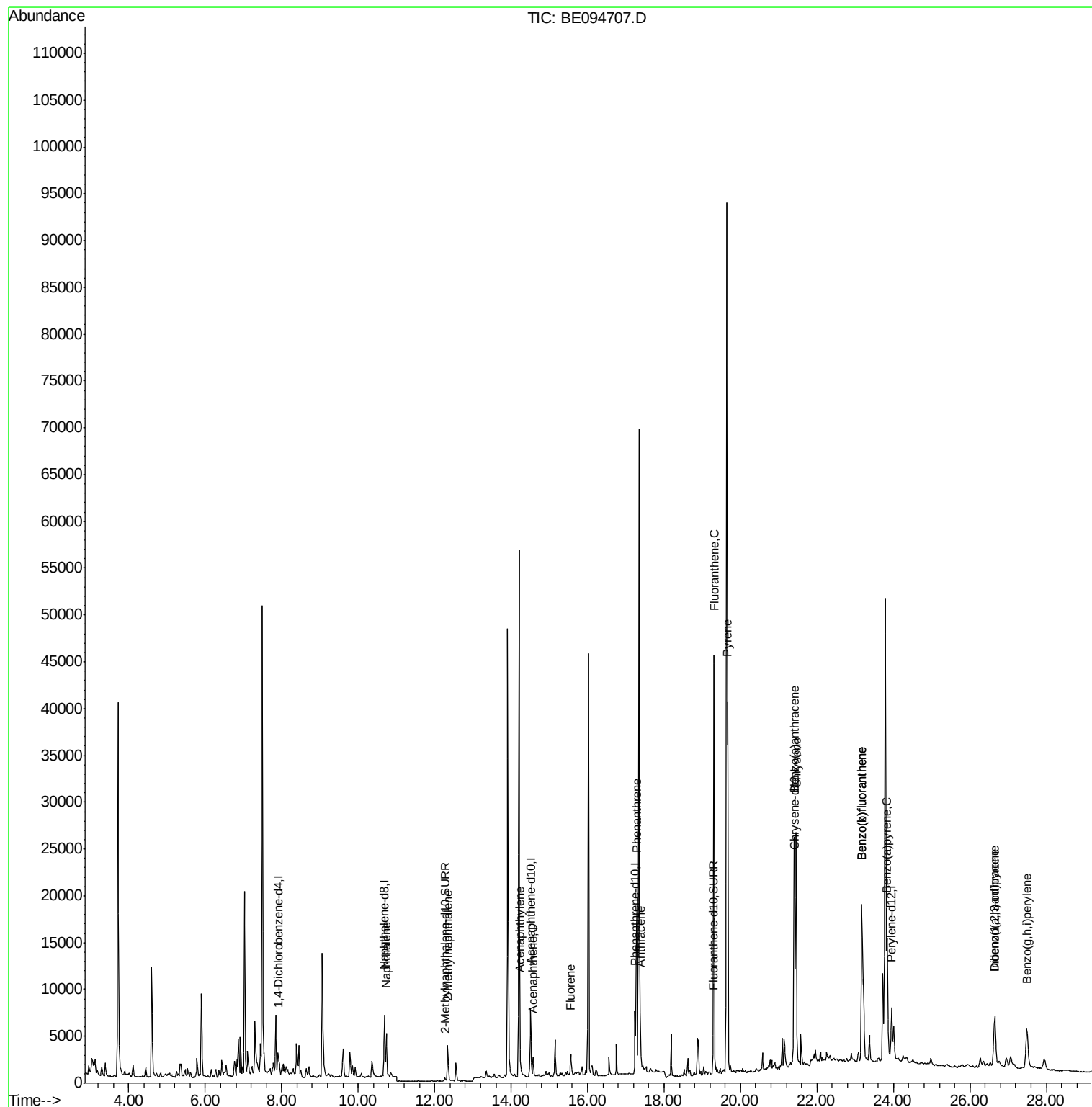
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1355	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	7940	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	4469	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	9641	0.40	ng/ul	-0.03
16) Chrysene-d12	21.42	240	9690	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	10272	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	527	0.04	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	1194	0.04	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.73	128	7341	0.38	ng/ul#	96
5) 2-Methylnaphthalene	12.34	142	3700	0.27	ng/ul	97
7) Acenaphthylene	14.24	152	886	0.04	ng/ul#	75
8) Acenaphthene	14.57	153	1410	0.10	ng/ul	93
9) Fluorene	15.56	166	1598	0.10	ng/ul#	91
12) Phenanthrene	17.29	178	28777	1.13	ng/ul	93
13) Anthracene	17.38	178	6378	0.25	ng/ul	97
15) Fluoranthene	19.30	202	52026	1.77	ng/ul	83
17) Pyrene	19.66	202	44772	1.49	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	22386	0.81	ng/ul#	89
19) Chrysene	21.46	228	28093	0.98	ng/ul	97
21) Benzo(b)fluoranthene	23.17	252	43309	1.50	ng/ul	91
22) Benzo(k)fluoranthene	23.17	252	43309	1.40	ng/ul	93
23) Benzo(a)pyrene	23.84	252	19480	0.67	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.65	276	11946	0.40	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.64	278	2801	0.11	ng/ul#	66
26) Benzo(a,h,i)perylene	27.49	276	11661	0.49	ng/ul	92

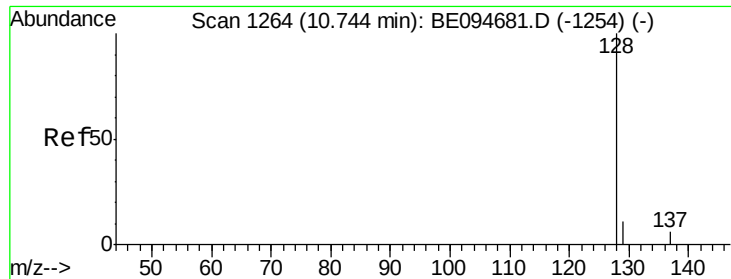
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

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B-61(0-1)-101117

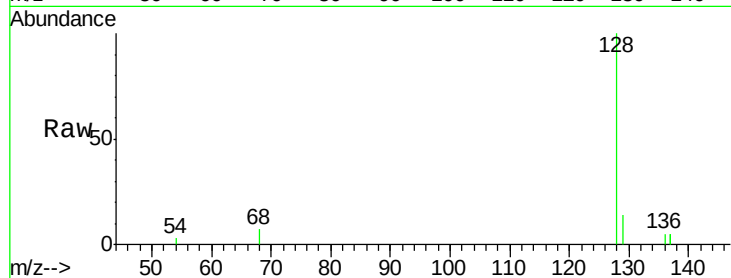
Tot Ion:128 Resp: 7341

Ion Ratio Lower Upper

128 100

129 14.1 11.3 16.9

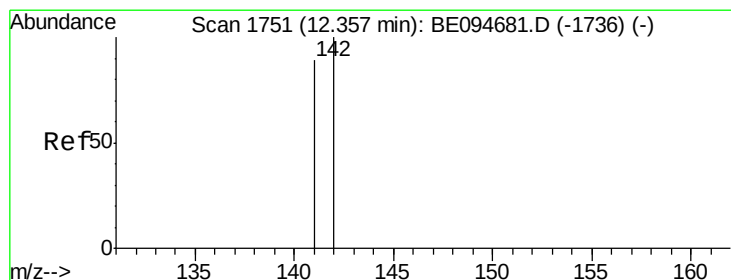
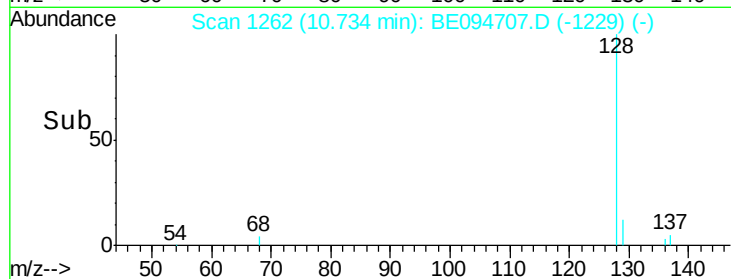
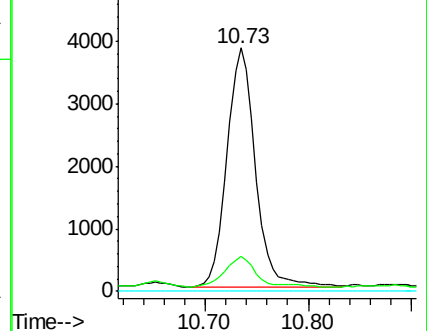
127 0.0 4.0 6.0#



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: 0.27 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.03 min

Lab File: BE094707.D

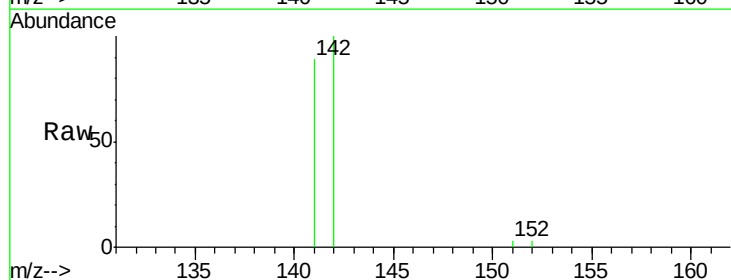
Acq: 3 Nov 2017 14:59

Tgt Ion:142 Resp: 3700

Ion Ratio Lower Upper

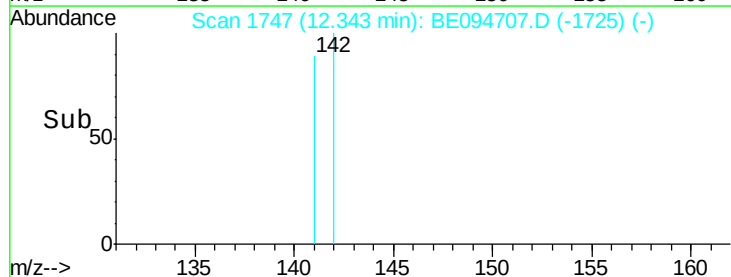
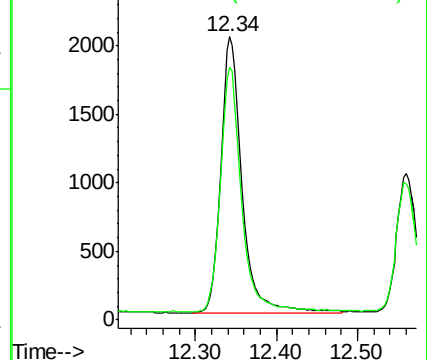
142 100

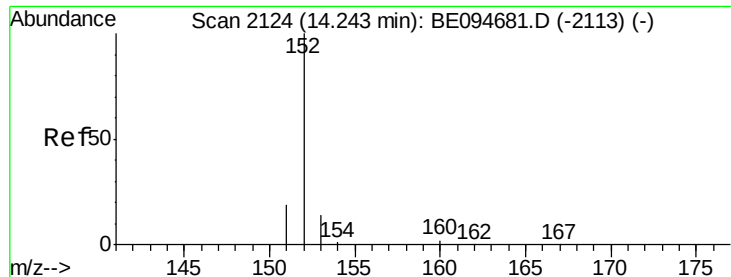
141 87.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

BNA_E

ClientSampleId :

B-61(0-1)-101117

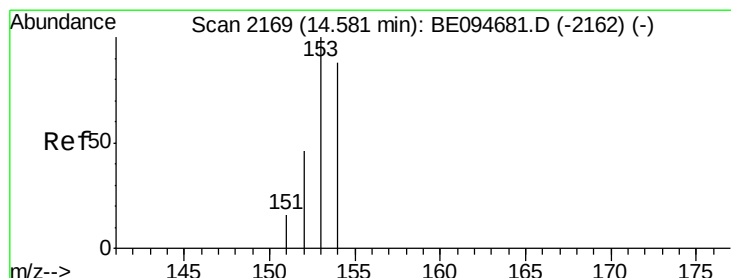
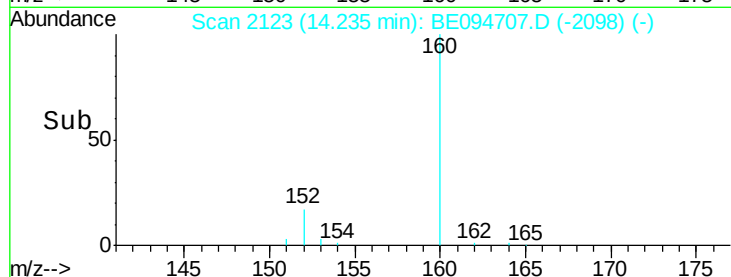
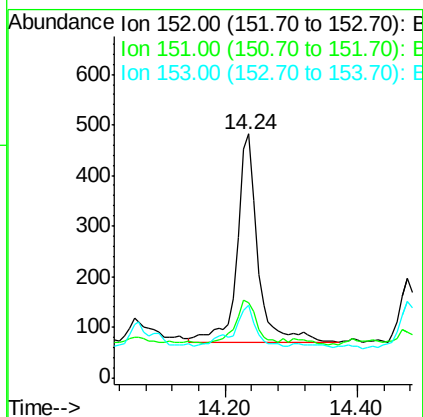
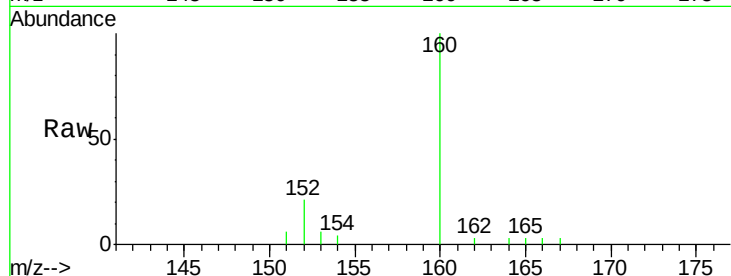
Tot Ion:152 Resp: 886

Ion Ratio Lower Upper

152 100

151 30.7 17.1 25.7#

153 29.5 12.8 19.2#



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

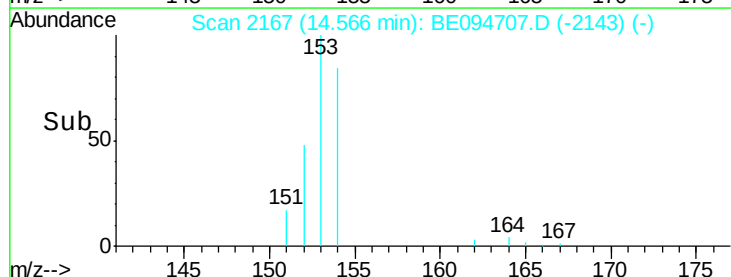
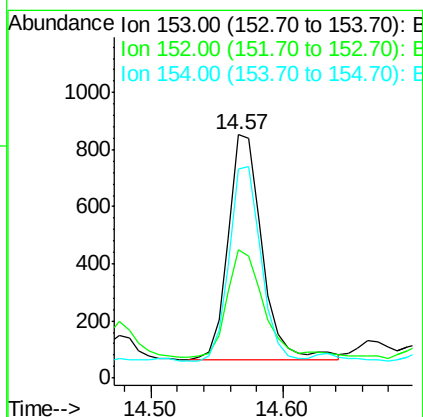
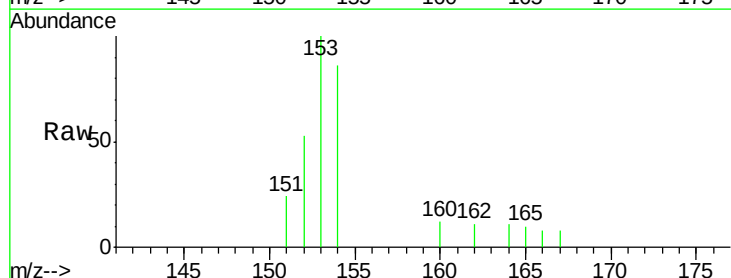
Tgt Ion:153 Resp: 1410

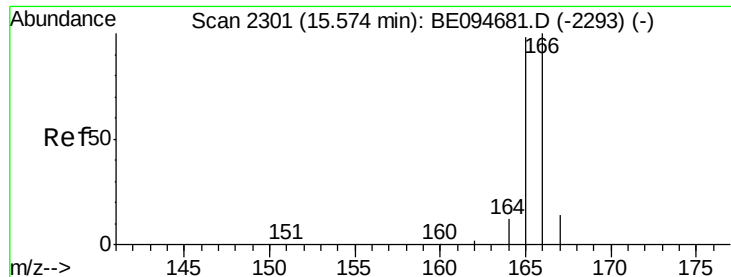
Ion Ratio Lower Upper

153 100

152 52.6 36.0 54.0

154 85.7 72.0 108.0

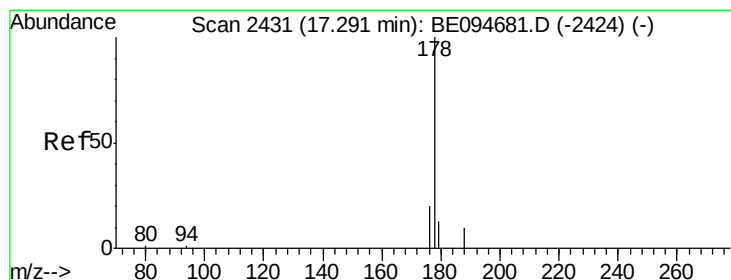
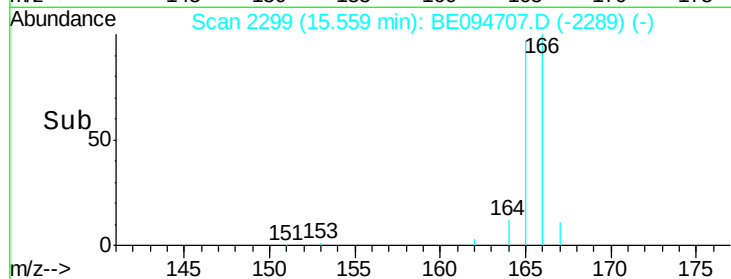
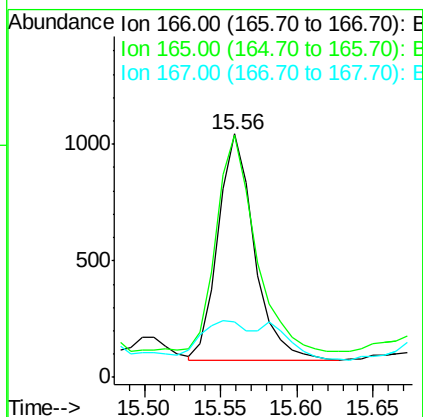
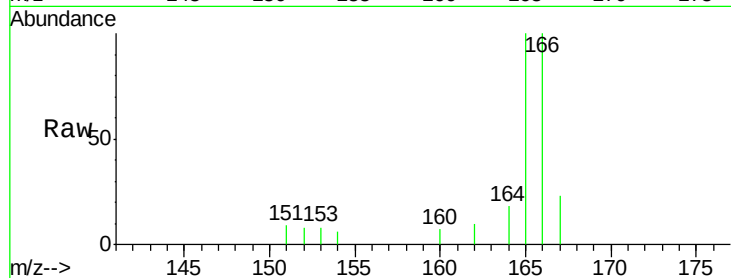




#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094707.D
 Acq: 3 Nov 2017 14:59

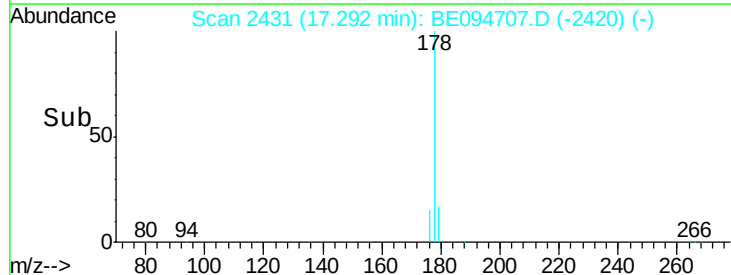
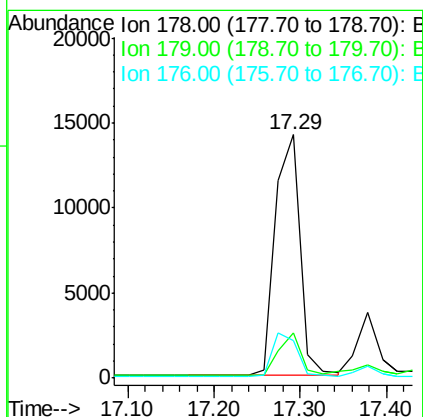
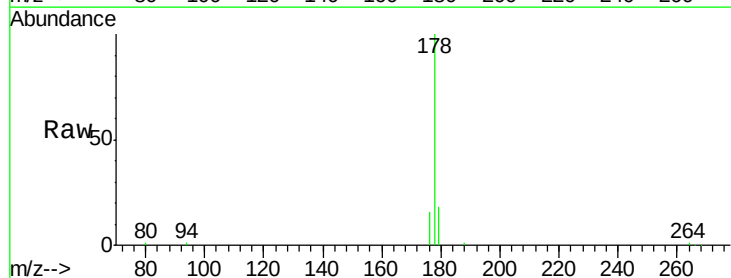
Instrument :
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 B-61(0-1)-101117

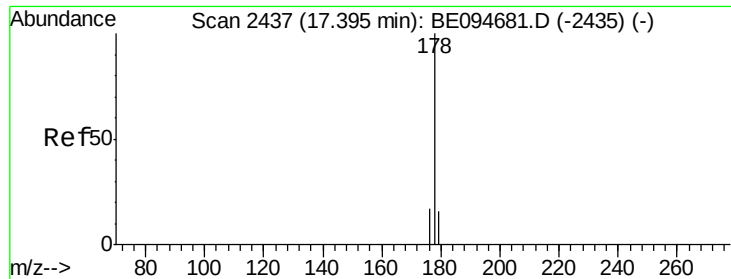
Tot Ion:166 Resp: 1598
 Ion Ratio Lower Upper
 166 100
 165 99.7 73.4 110.2
 167 23.0 14.6 22.0#



#12
Phenanthrene
 Concen: 1.13 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094707.D
 Acq: 3 Nov 2017 14:59

Tgt Ion:178 Resp: 28777
 Ion Ratio Lower Upper
 178 100
 179 18.4 18.4 27.6
 176 15.6 13.6 20.4





#13

Anthracene

Concen: 0.25 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

BNA_E

ClientSampleId :

B-61(0-1)-101117

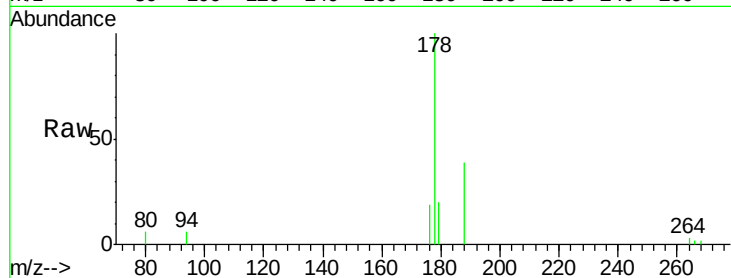
Tot Ion:178 Resp: 6378

Ion Ratio Lower Upper

178 100

179 20.5 18.1 27.1

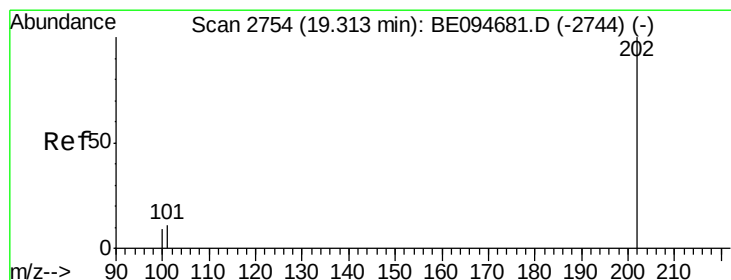
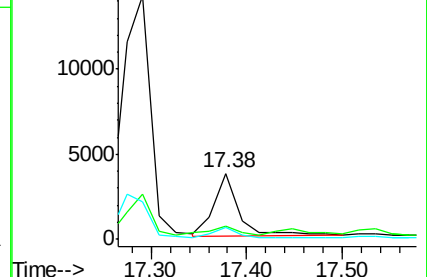
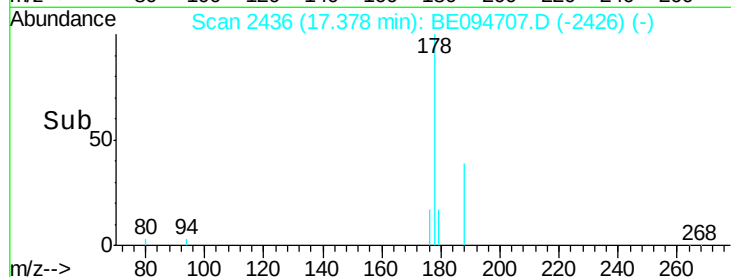
176 18.8 14.7 22.1



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: 1.77 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

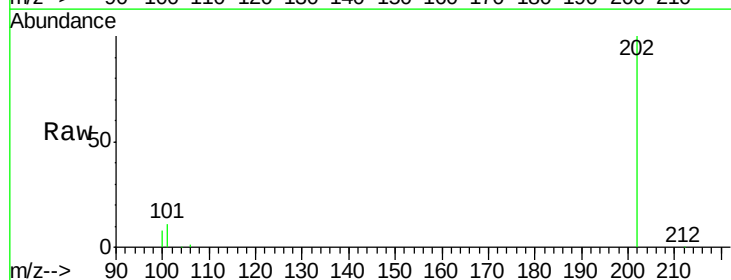
Tgt Ion:202 Resp: 52026

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

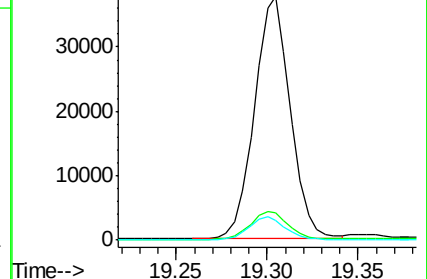
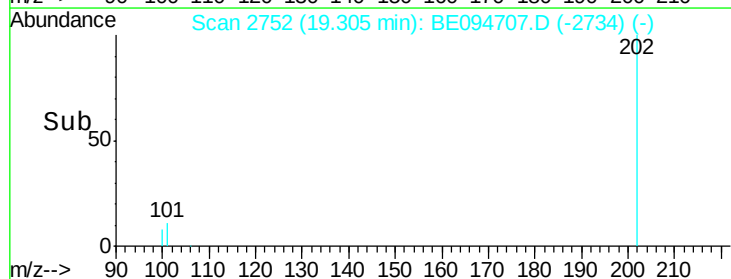
100 8.2 0.0 39.5

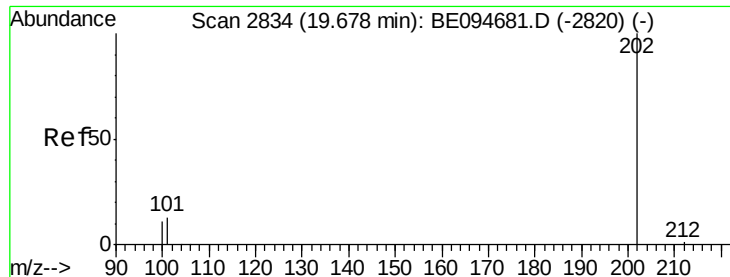


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.49 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

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B-61(0-1)-101117

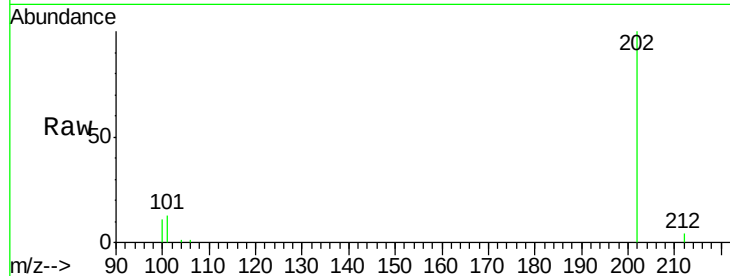
Tot Ion:202 Resp: 44772

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

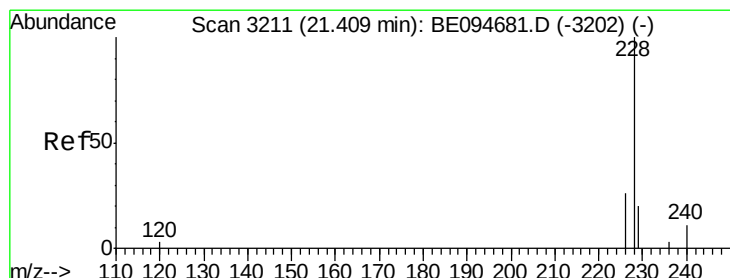
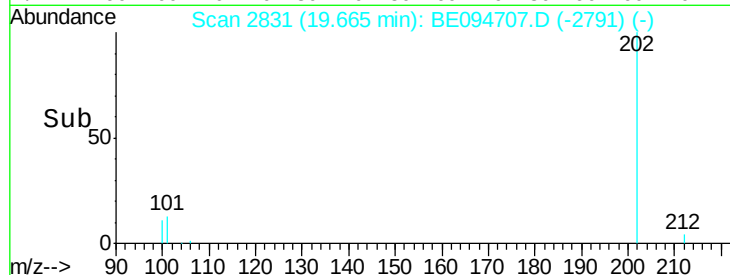
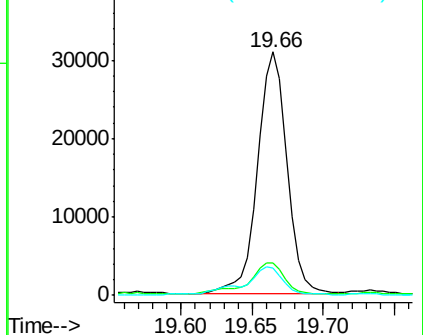
100 11.3 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.81 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

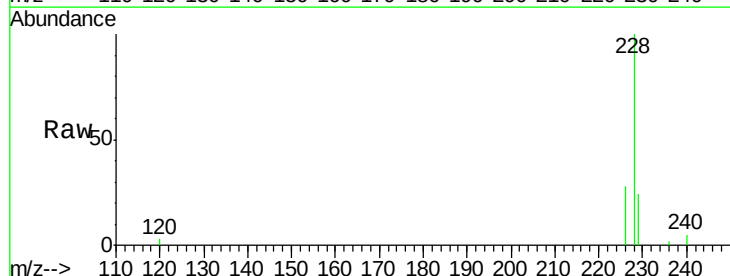
Tgt Ion:228 Resp: 22386

Ion Ratio Lower Upper

228 100

229 23.9 22.8 34.2

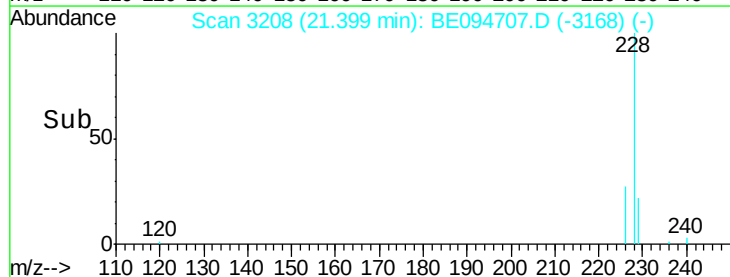
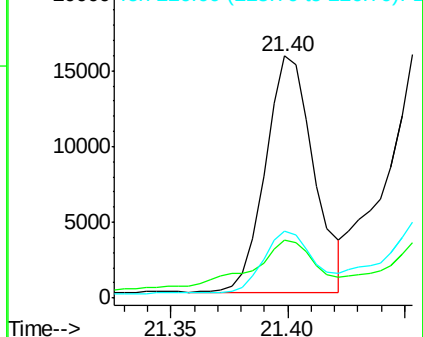
226 27.9 17.0 25.6#

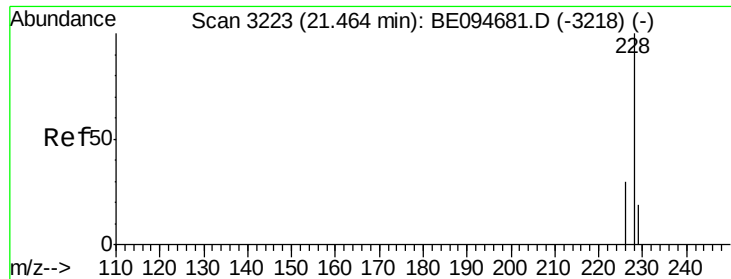


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.98 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

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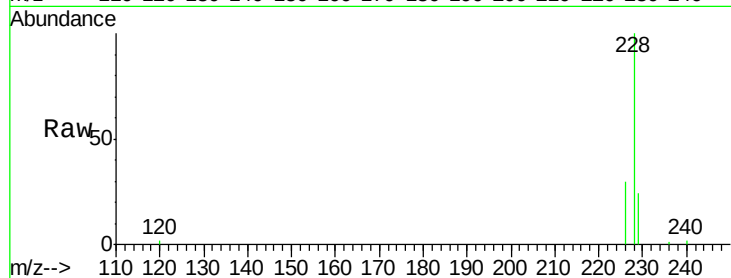
Tot Ion:228 Resp: 28093

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

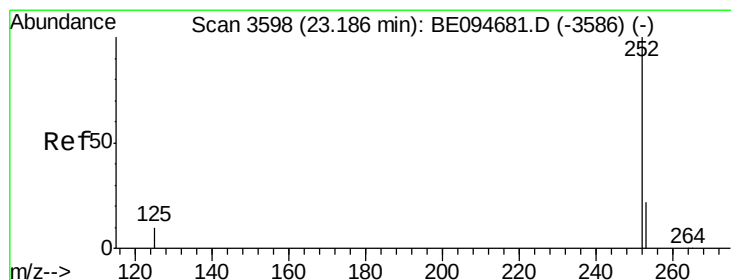
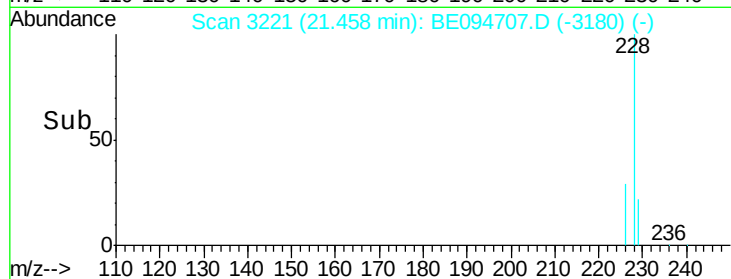
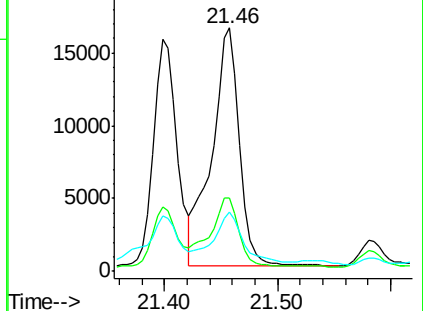
229 24.5 17.7 26.5



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: 1.50 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

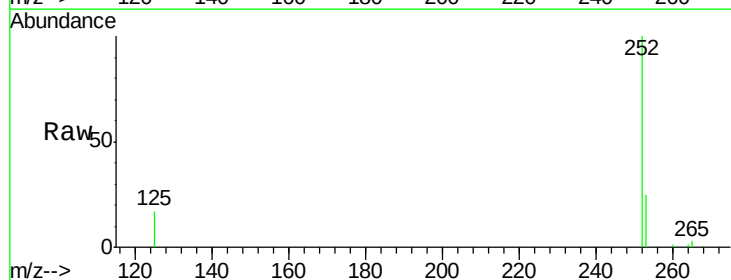
Tgt Ion:252 Resp: 43309

Ion Ratio Lower Upper

252 100

253 24.8 0.0 64.2

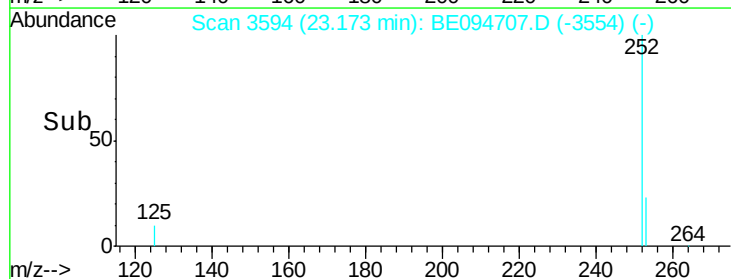
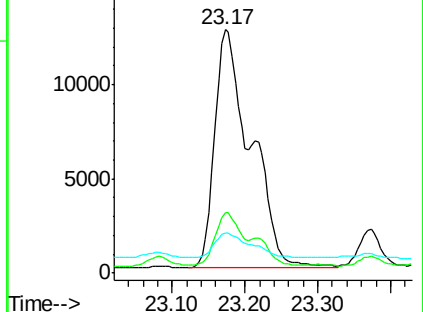
125 16.5 0.0 35.0

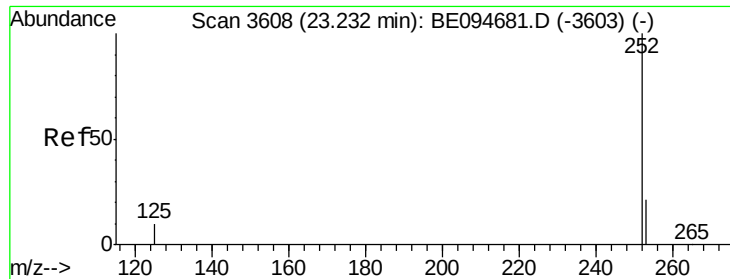


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.40 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

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B-61(0-1)-101117

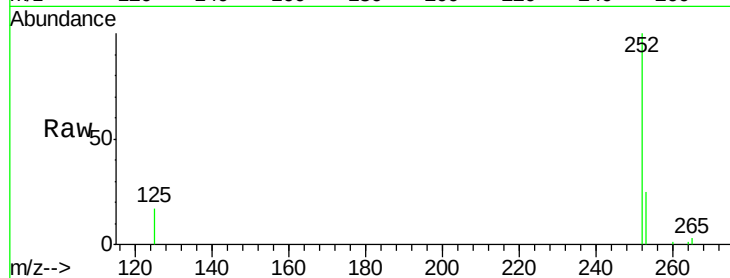
Tot Ion:252 Resp: 43309

Ion Ratio Lower Upper

252 100

253 24.8 24.5 36.7

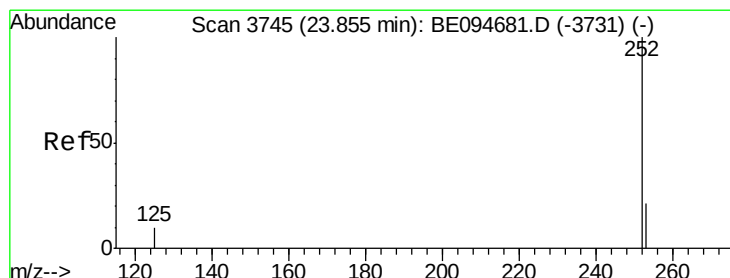
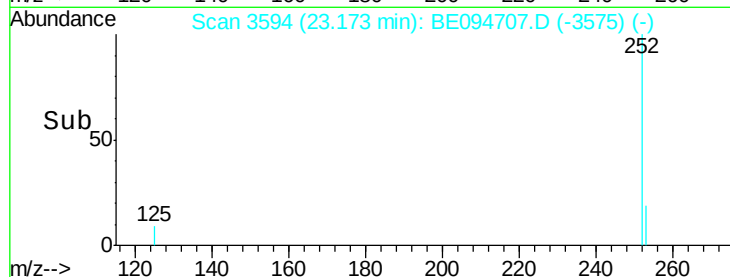
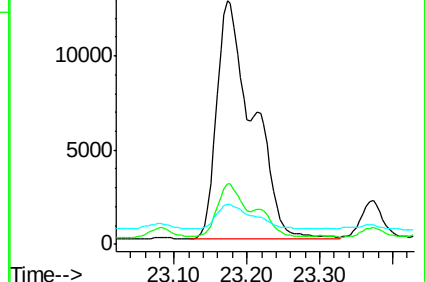
125 16.5 13.7 20.5



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: 0.67 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

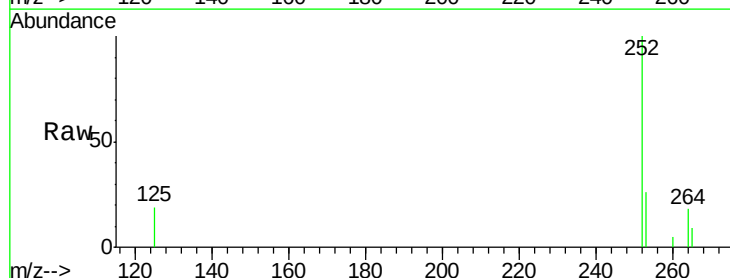
Tgt Ion:252 Resp: 19480

Ion Ratio Lower Upper

252 100

253 25.7 28.5 42.7#

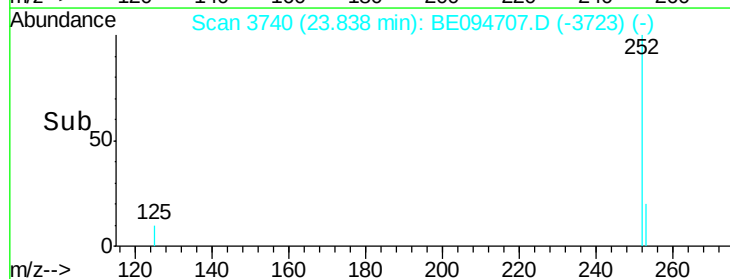
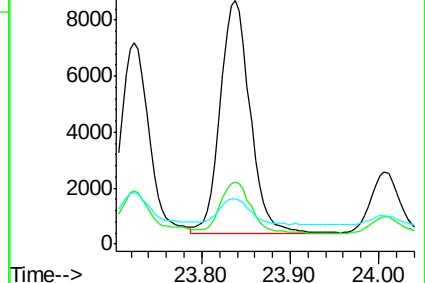
125 18.7 18.1 27.1

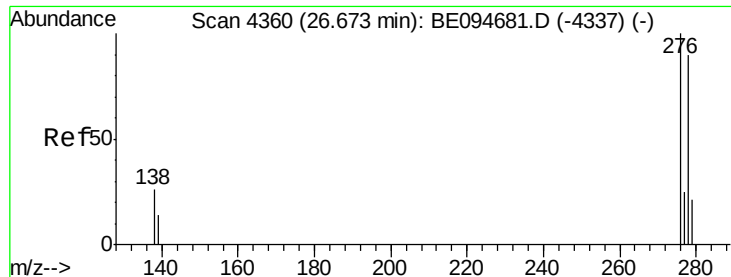


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.40 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. -0.04 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

BNA_E

ClientSampleId :

B-61(0-1)-101117

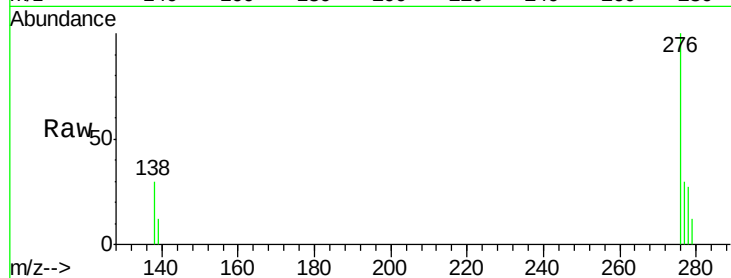
Tot Ion:276 Resp: 11946

Ion Ratio Lower Upper

276 100

138 19.8 28.0 42.0#

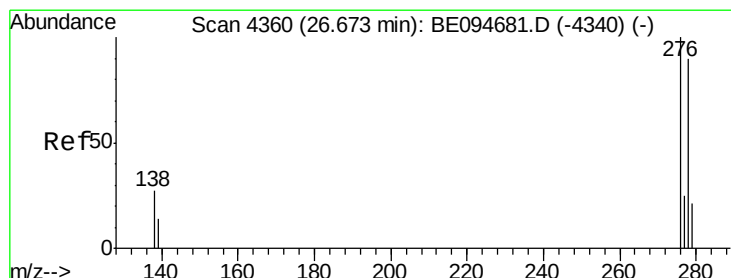
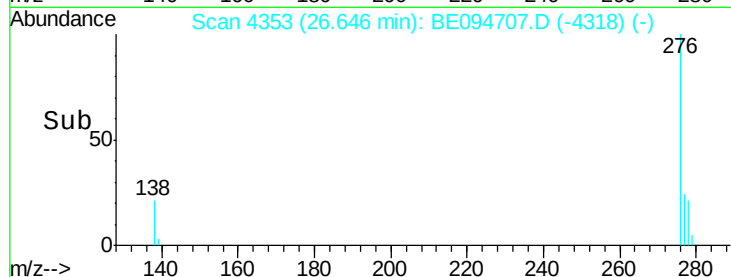
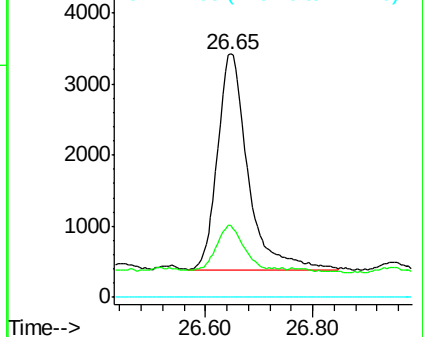
227 0.0 8.0 12.0#



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: 0.11 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.04 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

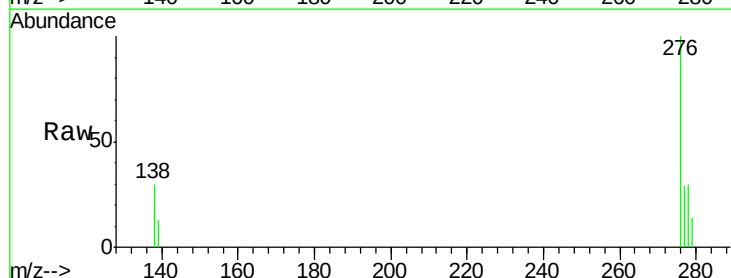
Tgt Ion:278 Resp: 2801

Ion Ratio Lower Upper

278 100

139 44.5 17.4 26.0#

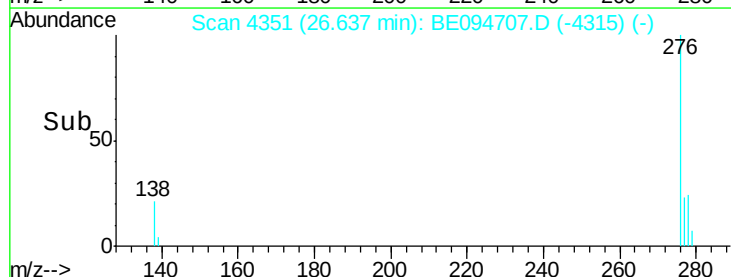
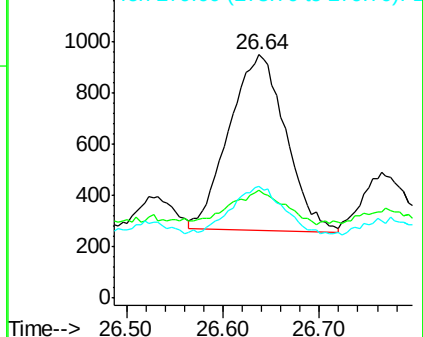
279 45.7 25.9 38.9#

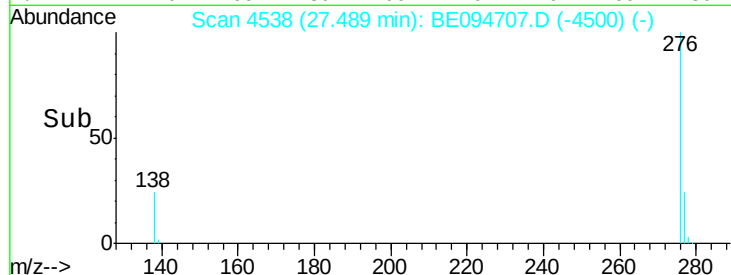
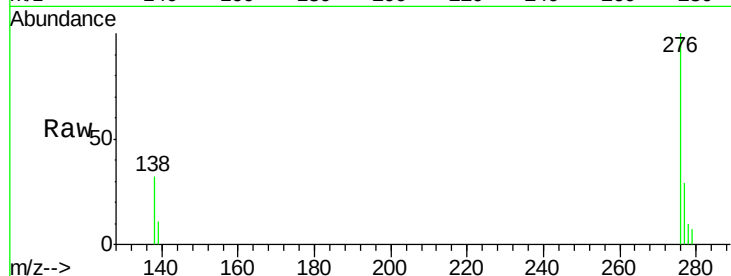
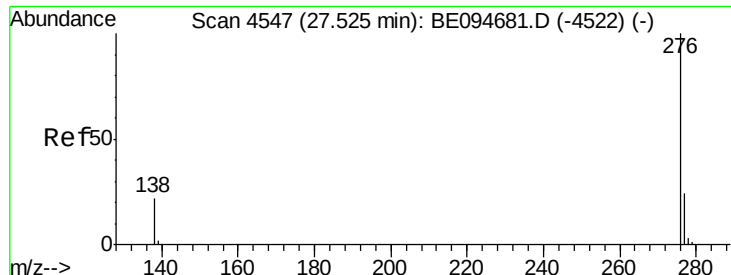


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.49 ng/ul

RT: 27.49 min Scan# 4538

Delta R.T. -0.03 min

Lab File: BE094707.D

Acq: 3 Nov 2017 14:59

Instrument :

BNA_E

ClientSampleId :

B-61(0-1)-101117

Tot Ion:276 Resp: 11661

Ion Ratio Lower Upper

276 100

138 31.7 21.8 32.8

277 29.4 20.5 30.7

