

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094763.D
 Acq On : 6 Nov 2017 21:02
 Operator : SJ/JU
 Sample : I6096-04MS 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-52(0-1)-102317MS

Quant Time: Nov 07 01:30:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 01:23:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1535	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8820	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4884	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11312	0.40	ng/ul	-0.02
16) Chrysene-d12	21.44	240	10348	0.40	ng/ul	0.01
20) Perylene-d12	23.98	264	10664	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	566	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1165	0.03	ng/ul	0.00

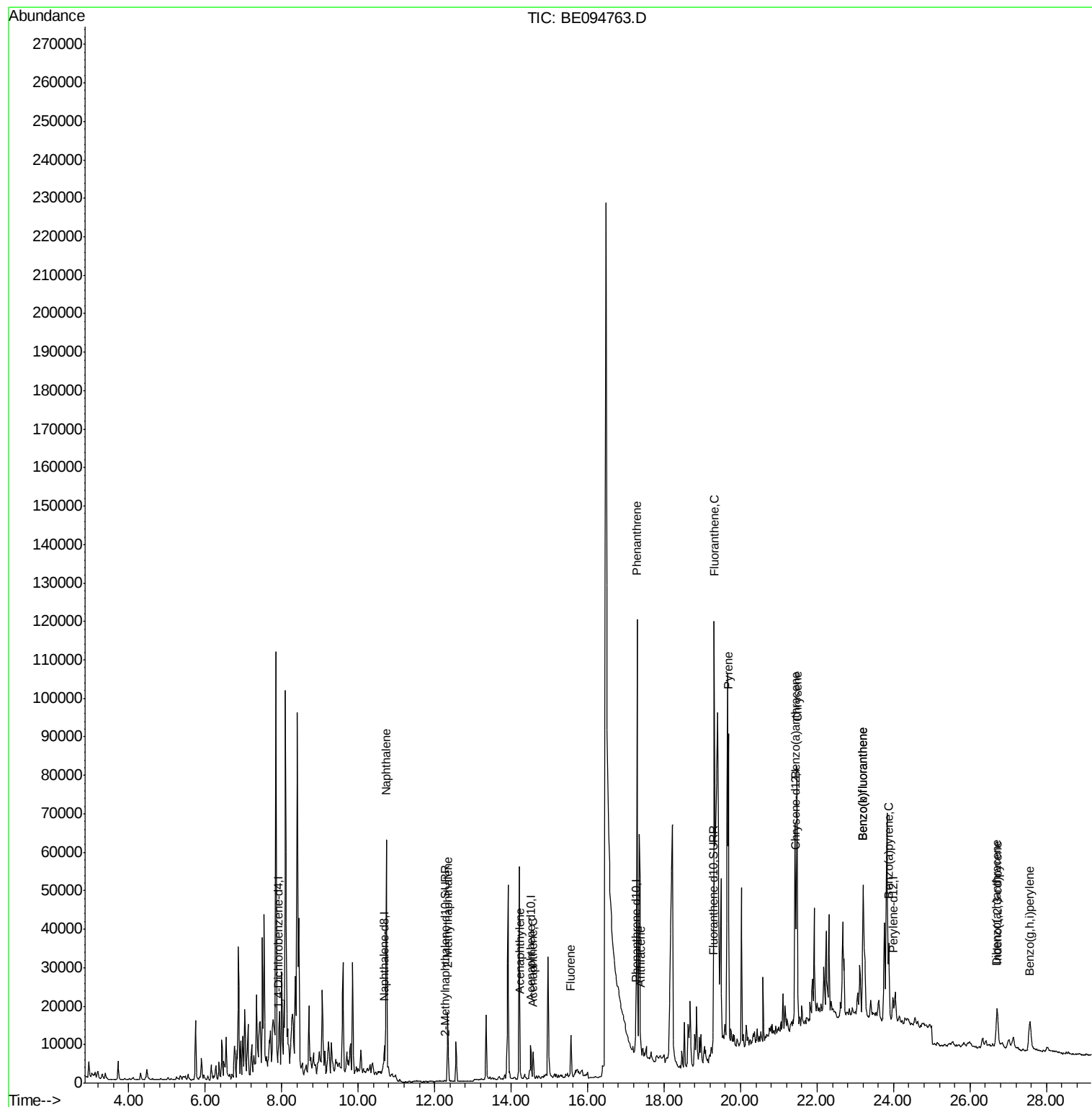
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	96023	4.45	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	15473	1.03	ng/ul	98
7) Acenaphthylene	14.23	152	1719	0.08	ng/ul#	69
8) Acenaphthene	14.57	153	4327	0.27	ng/ul	94
9) Fluorene	15.56	166	7374	0.41	ng/ul	91
12) Phenanthrene	17.29	178	122414	4.10	ng/ul#	85
13) Anthracene	17.38	178	7817	0.27	ng/ul#	12
15) Fluoranthene	19.31	202	103312	2.99	ng/ul#	76
17) Pyrene	19.68	202	92850	2.90	ng/ul#	86
18) Benzo(a)anthracene	21.42	228	51257	1.73	ng/ul#	88
19) Chrysene	21.48	228	74661	2.44	ng/ul#	86
21) Benzo(b)fluoranthene	23.20	252	88359	2.95	ng/ul	88
22) Benzo(k)fluoranthene	23.20	252	88287	2.75	ng/ul#	88
23) Benzo(a)pyrene	23.87	252	32955	1.10	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.71	276	23308	0.75	ng/ul#	72
25) Dibenzo(a,h)anthracene	26.70	278	6023	0.23	ng/ul#	1
26) Benzo(a,h,i)perylene	27.57	276	23436	0.94	ng/ul#	70

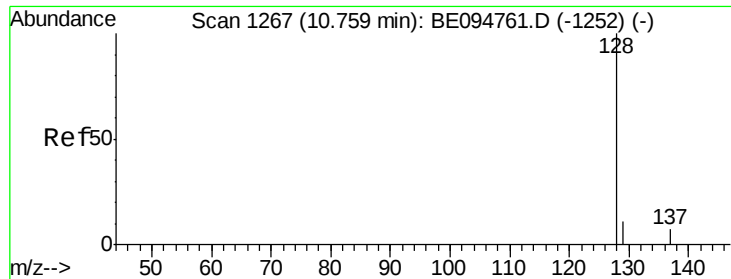
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.45 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MS

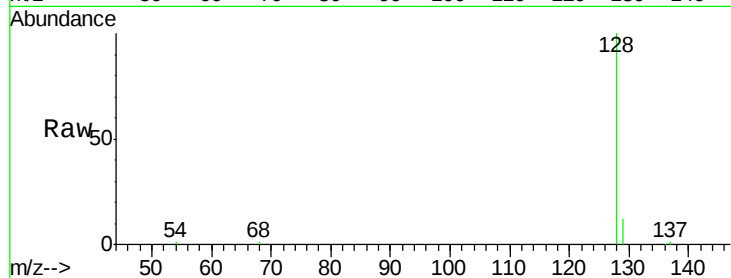
Tot Ion:128 Resp: 96023

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

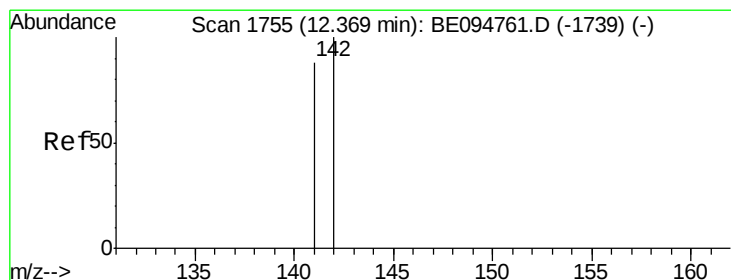
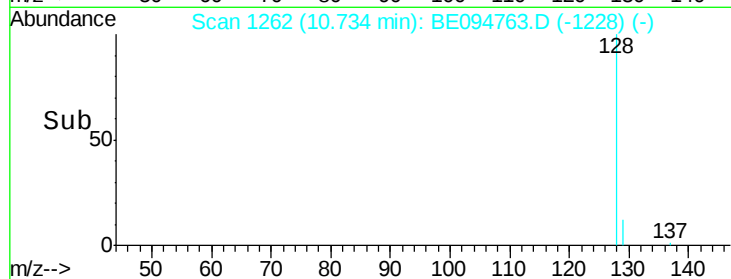
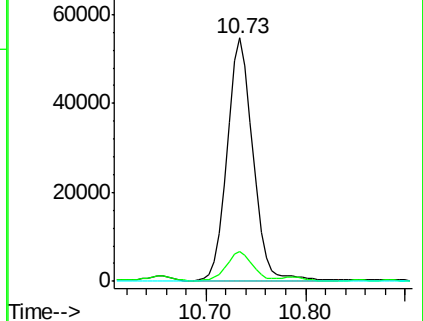
127 0.0 4.0 6.0#



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: 1.03 ng/ul

RT: 12.34 min Scan# 1746

Delta R.T. -0.03 min

Lab File: BE094763.D

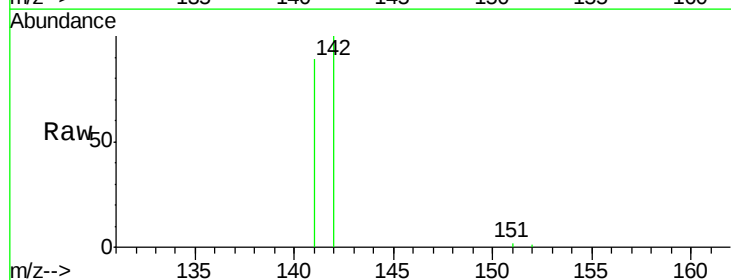
Acq: 6 Nov 2017 21:02

Tgt Ion:142 Resp: 15473

Ion Ratio Lower Upper

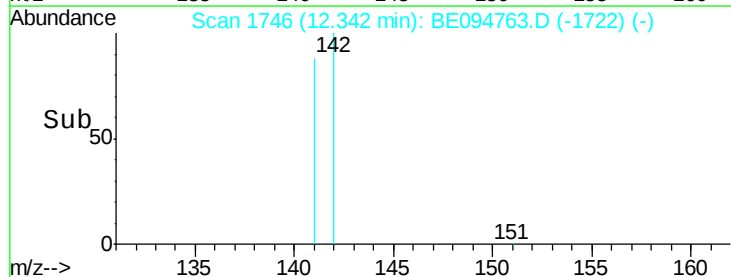
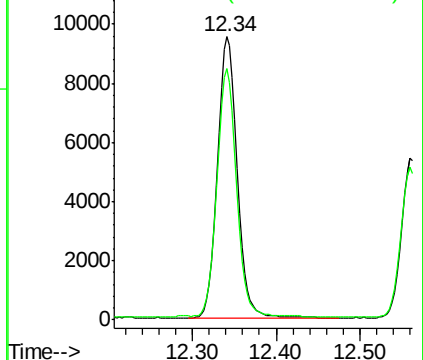
142 100

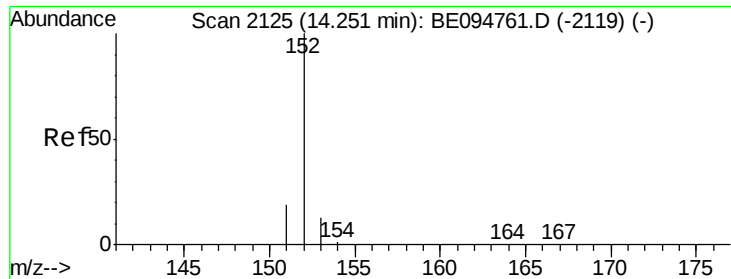
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MS

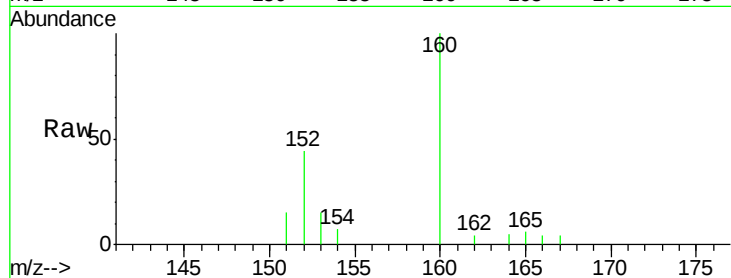
Tot Ion:152 Resp: 1719

Ion Ratio Lower Upper

152 100

151 33.0 17.1 25.7#

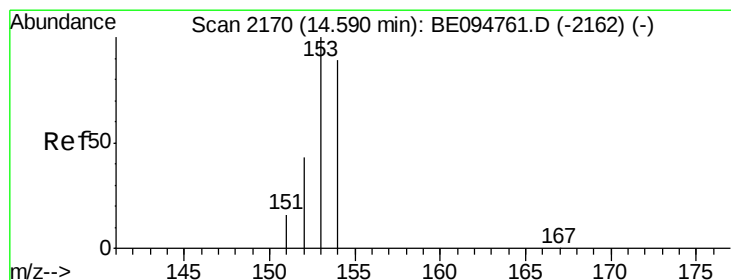
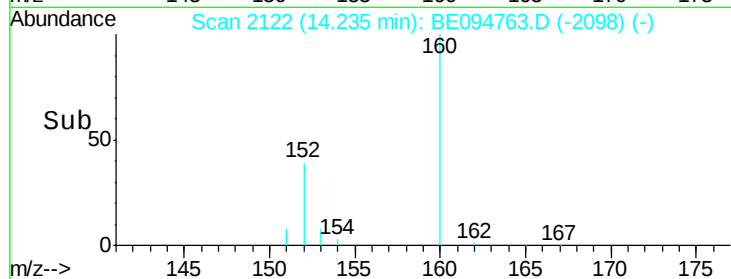
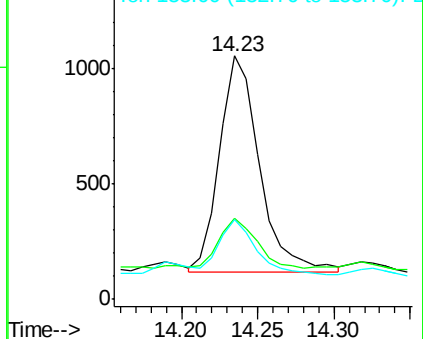
153 33.0 12.8 19.2#



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: 0.27 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

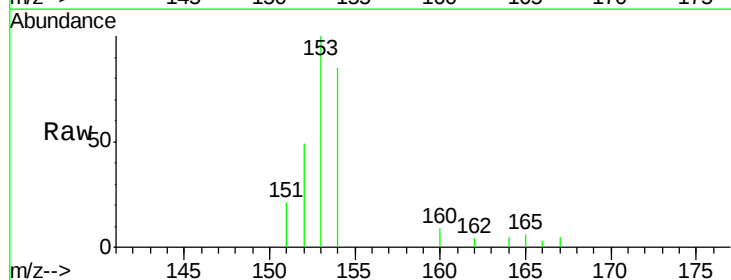
Tgt Ion:153 Resp: 4327

Ion Ratio Lower Upper

153 100

152 49.2 36.0 54.0

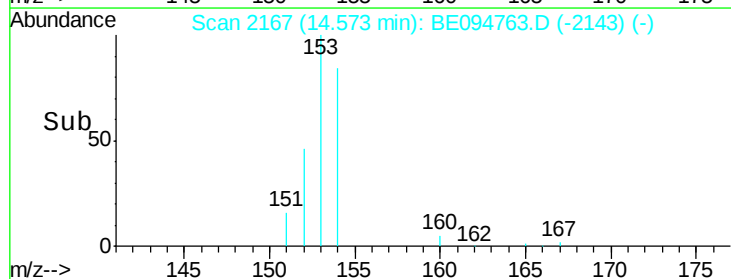
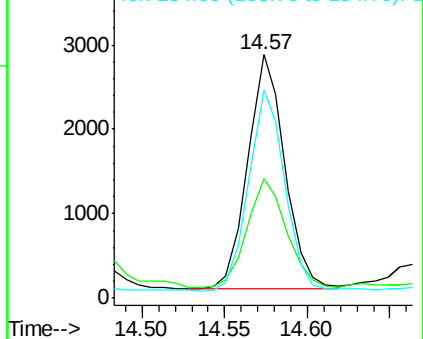
154 85.1 72.0 108.0

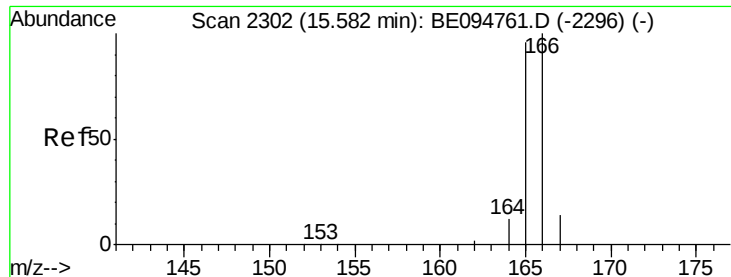


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.41 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MS

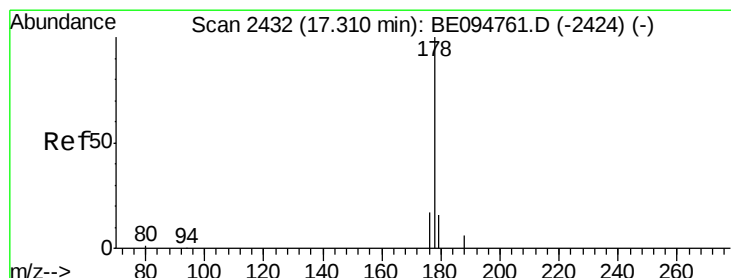
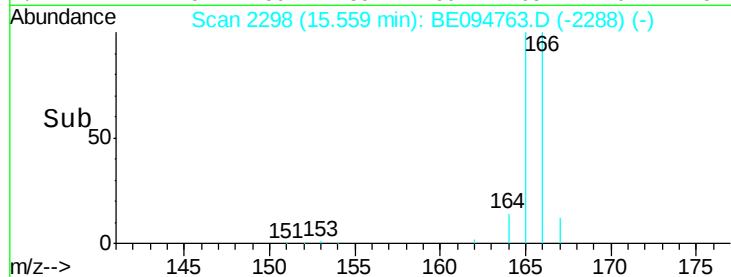
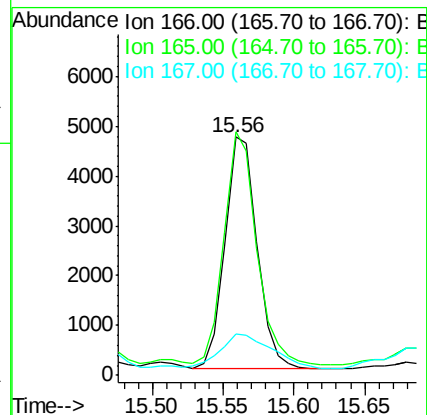
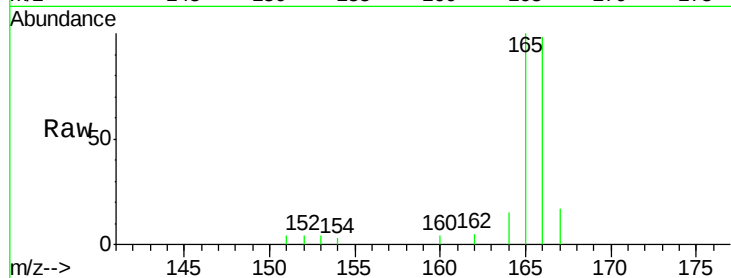
Tot Ion:166 Resp: 7374

Ion Ratio Lower Upper

166 100

165 102.3 73.4 110.2

167 17.5 14.6 22.0



#12

Phenanthrene

Concen: 4.10 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

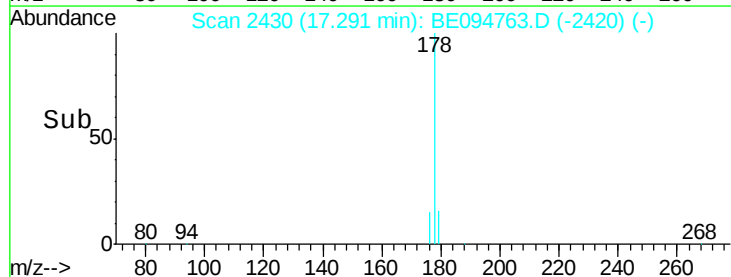
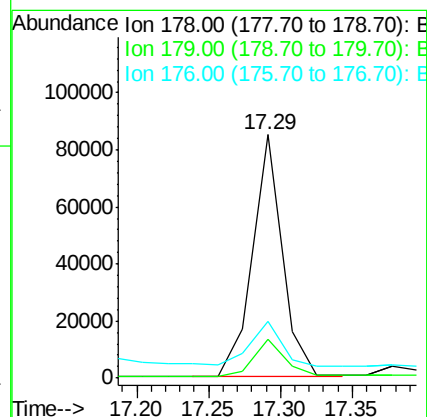
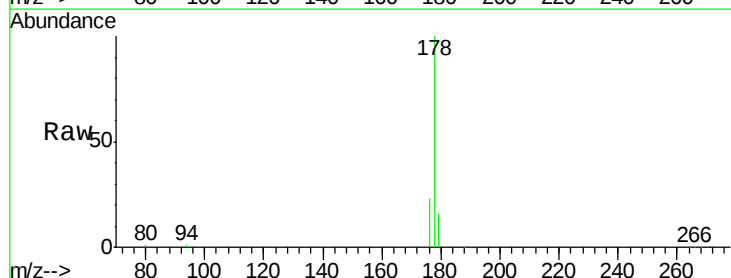
Tgt Ion:178 Resp: 122414

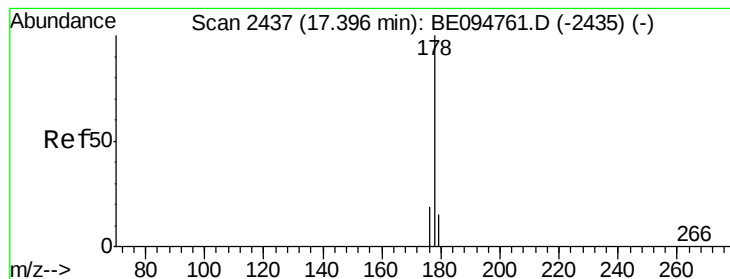
Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 23.4 13.6 20.4#





#13

Anthracene

Concen: 0.27 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

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B-52(0-1)-102317MS

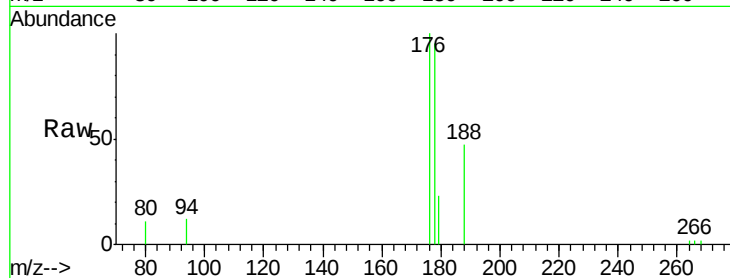
Tot Ion:178 Resp: 7817

Ion Ratio Lower Upper

178 100

179 23.7 18.1 27.1

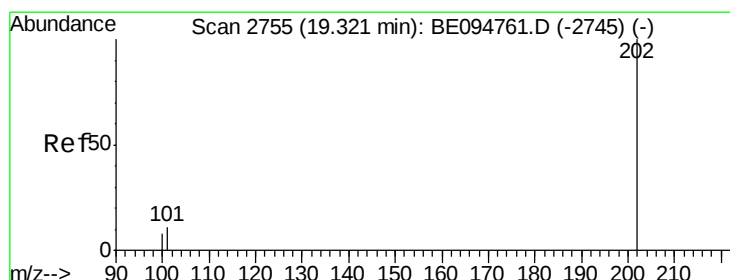
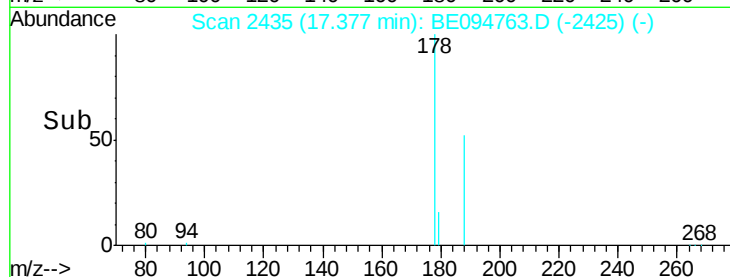
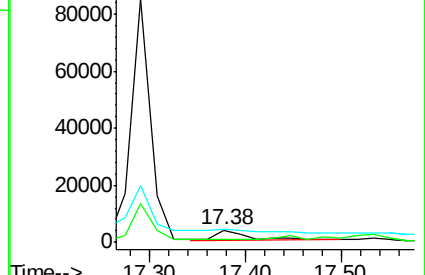
176 105.0 14.7 22.1#



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: 2.99 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

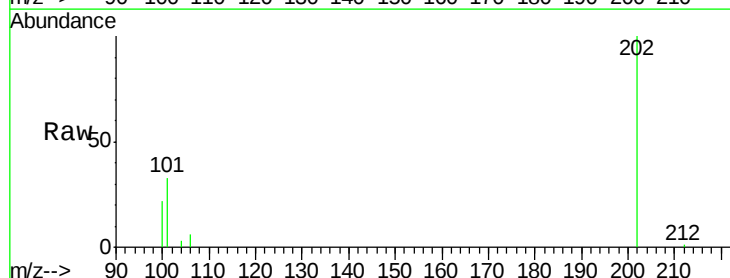
Tgt Ion:202 Resp: 103312

Ion Ratio Lower Upper

202 100

101 32.6 0.0 30.3#

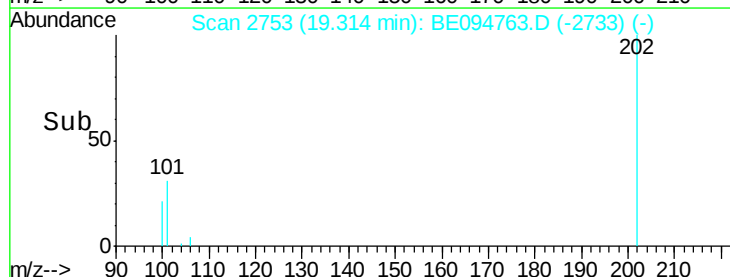
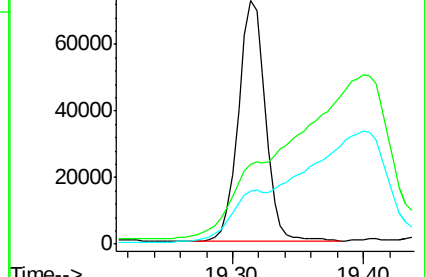
100 21.8 0.0 39.5

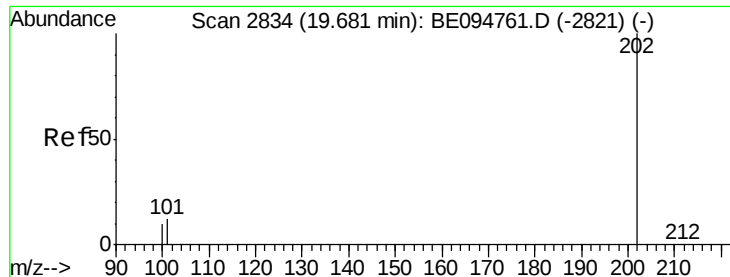


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 2.90 ng/ul

RT: 19.68 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

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B-52(0-1)-102317MS

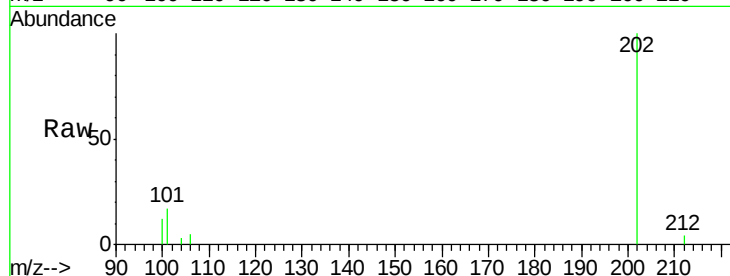
Tot Ion:202 Resp: 92850

Ion Ratio Lower Upper

202 100

101 16.6 18.2 27.4#

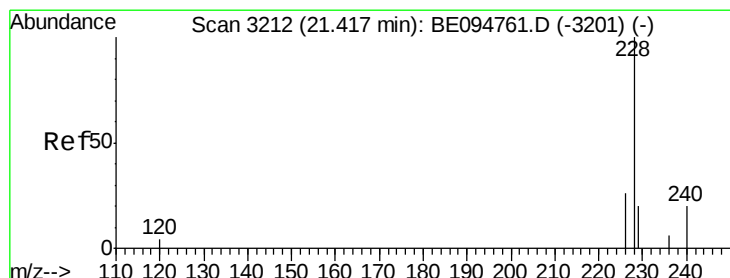
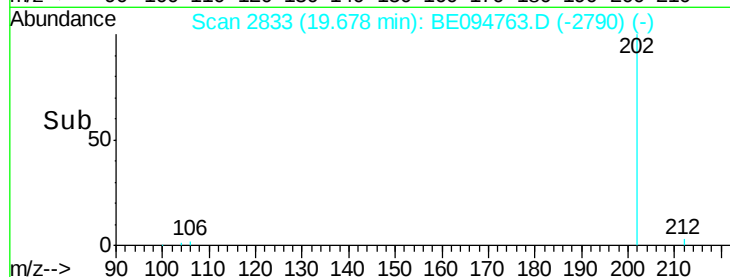
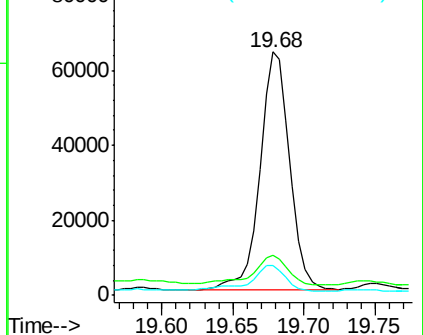
100 12.4 15.6 23.4#



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: 1.73 ng/ul

RT: 21.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

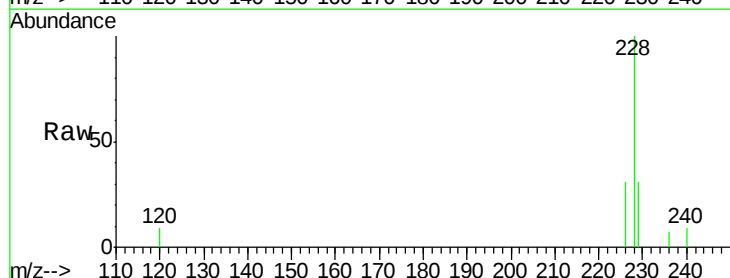
Tgt Ion:228 Resp: 51257

Ion Ratio Lower Upper

228 100

229 31.2 22.8 34.2

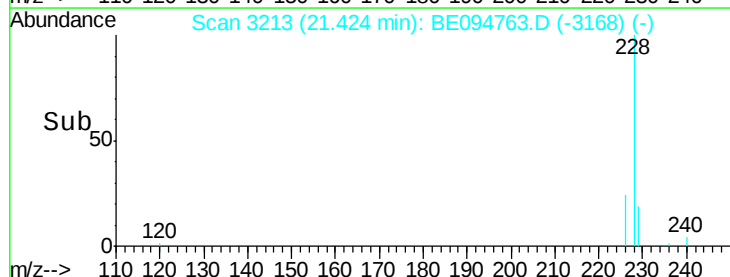
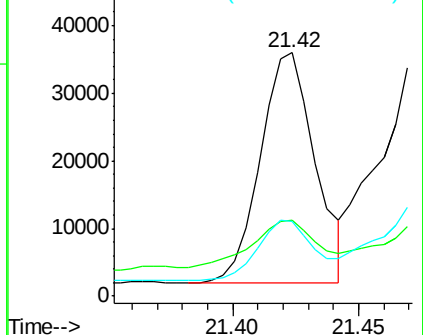
226 30.9 17.0 25.6#

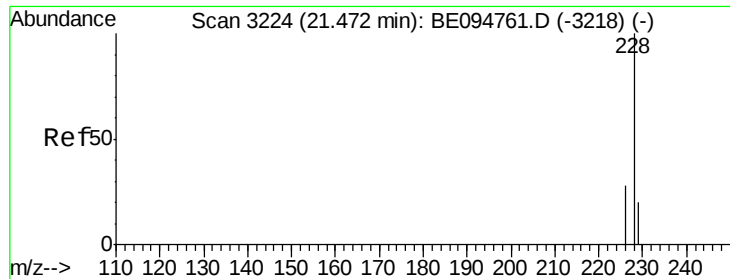


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.44 ng/ul

RT: 21.48 min Scan# 3225

Delta R.T. 0.01 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

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B-52(0-1)-102317MS

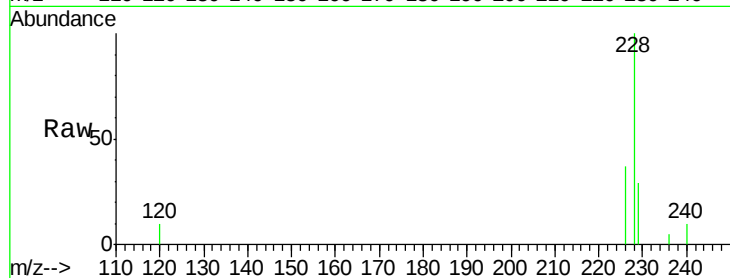
Tot Ion:228 Resp: 74661

Ion Ratio Lower Upper

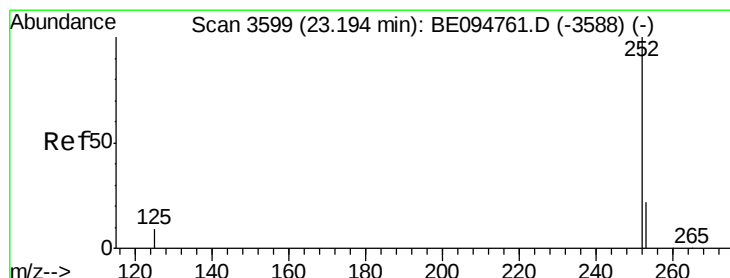
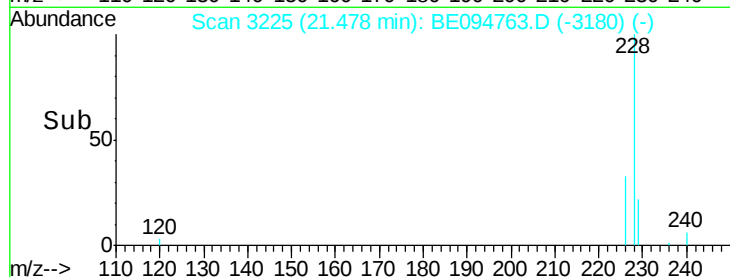
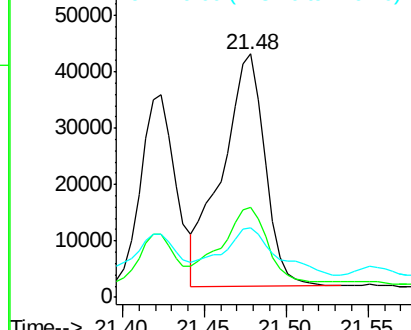
228 100

226 37.0 23.4 35.0#

229 28.7 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: 2.95 ng/ul

RT: 23.20 min Scan# 3601

Delta R.T. 0.01 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

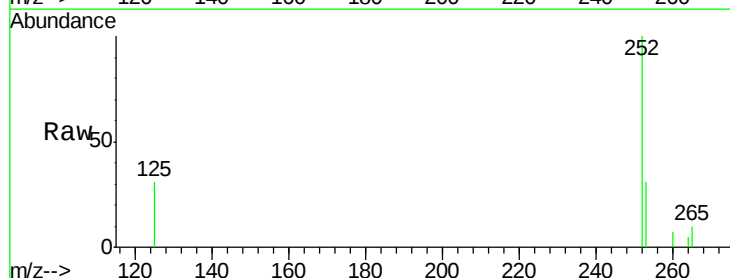
Tgt Ion:252 Resp: 88359

Ion Ratio Lower Upper

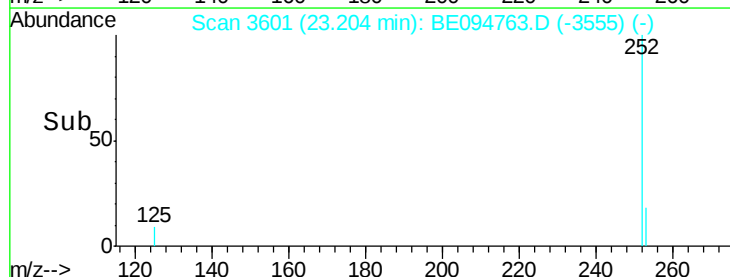
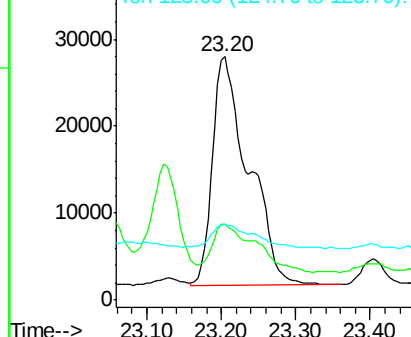
252 100

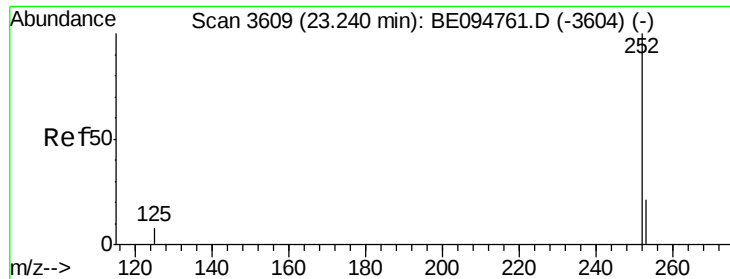
253 31.2 0.0 64.2

125 31.1 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

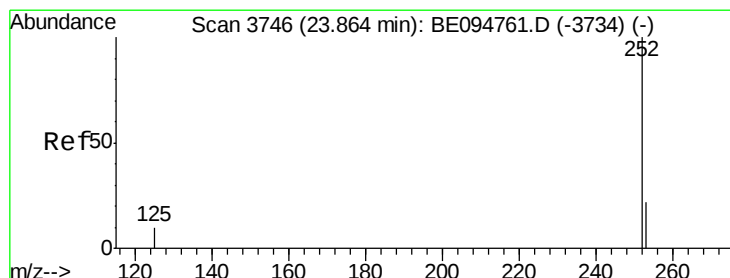
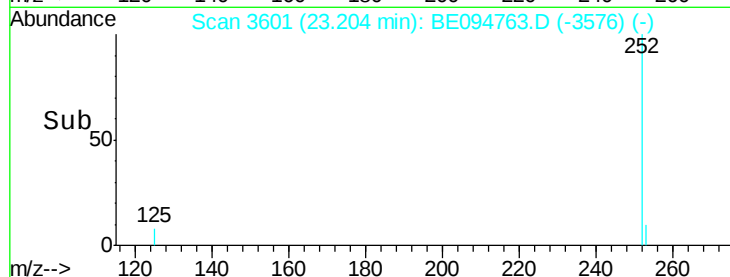
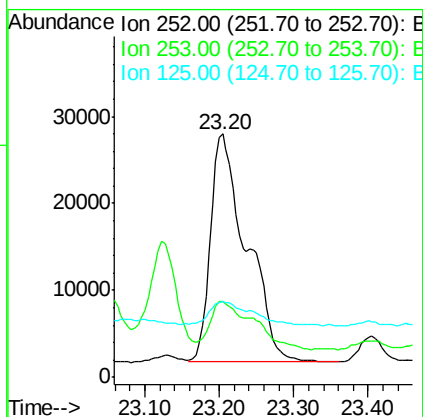
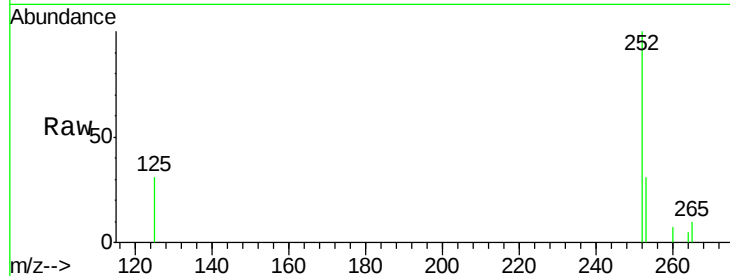




#22
Benzo(k)fluoranthene
Concen: 2.75 ng/ul
RT: 23.20 min Scan# 3601
Delta R.T. -0.04 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

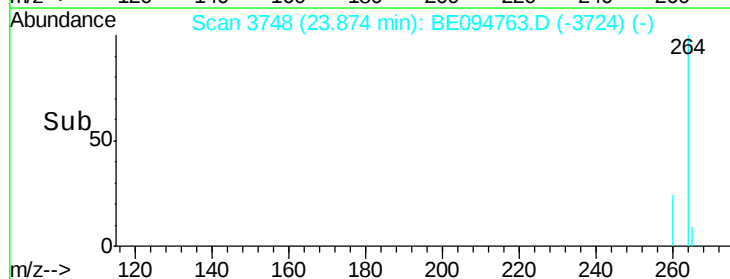
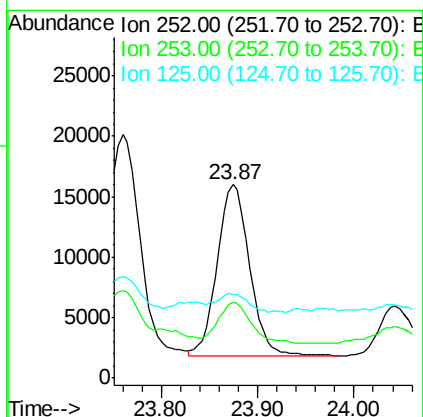
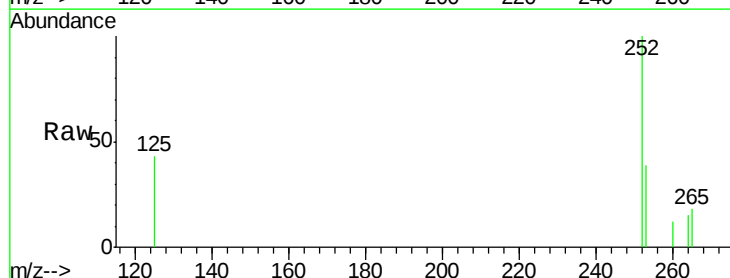
Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

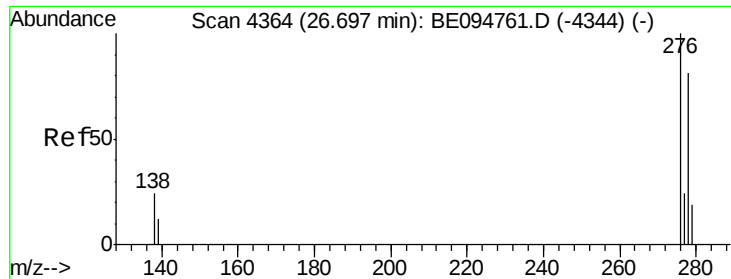
Tot Ion:252 Resp: 88287
Ion Ratio Lower Upper
252 100
253 31.2 24.5 36.7
125 31.1 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 1.10 ng/ul
RT: 23.87 min Scan# 3748
Delta R.T. 0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:252 Resp: 32955
Ion Ratio Lower Upper
252 100
253 39.1 28.5 42.7
125 43.3 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.75 ng/ul

RT: 26.71 min Scan# 4368

Delta R.T. 0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MS

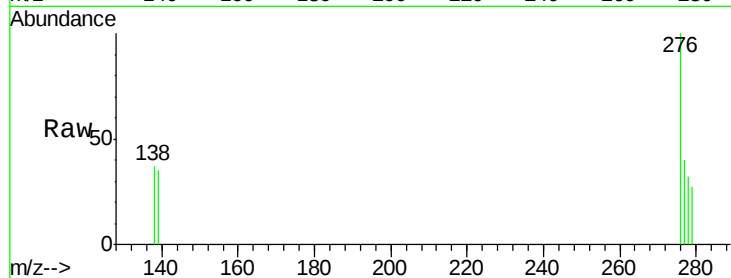
Tot Ion:276 Resp: 23308

Ion Ratio Lower Upper

276 100

138 18.4 28.0 42.0#

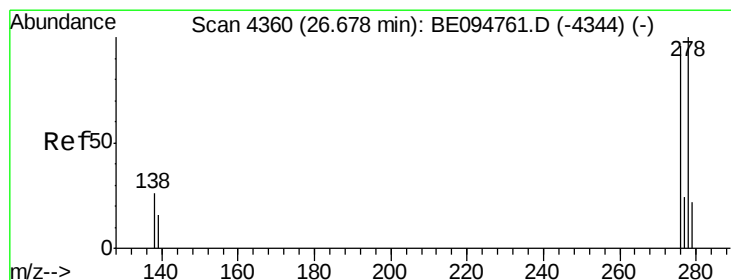
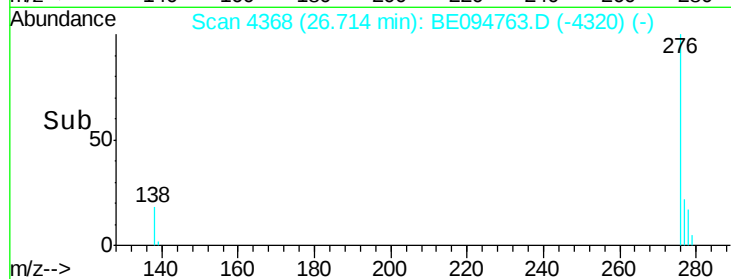
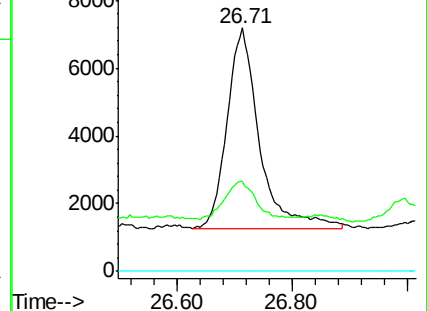
227 0.0 8.0 12.0#



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: 0.23 ng/ul

RT: 26.70 min Scan# 4364

Delta R.T. 0.02 min

Lab File: BE094763.D

Acq: 6 Nov 2017 21:02

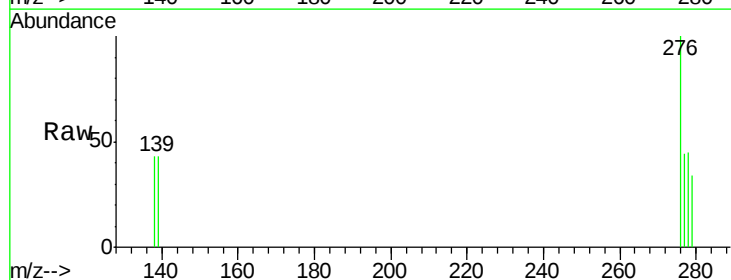
Tgt Ion:278 Resp: 6023

Ion Ratio Lower Upper

278 100

139 94.8 17.4 26.0#

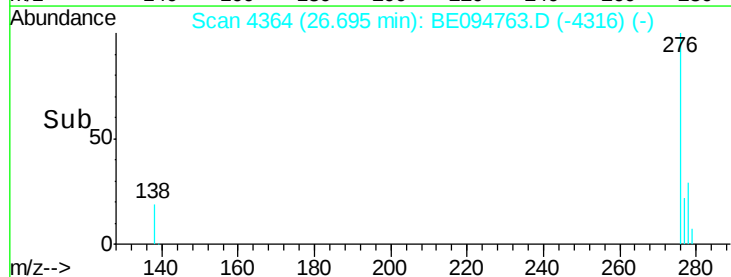
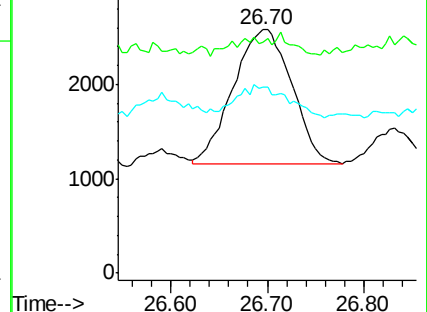
279 76.6 25.9 38.9#

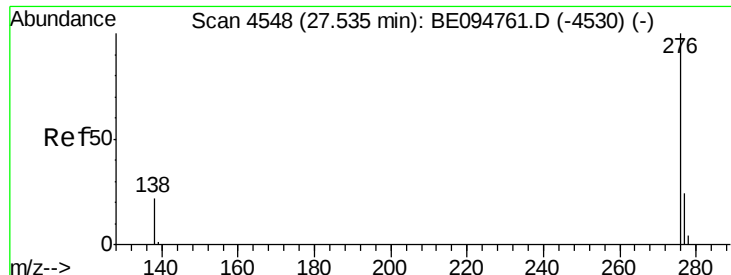


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.94 ng/ul

RT: 27.57 min Scan# 4556

Delta R.T. 0.04 min

Lab File: BE094763.D

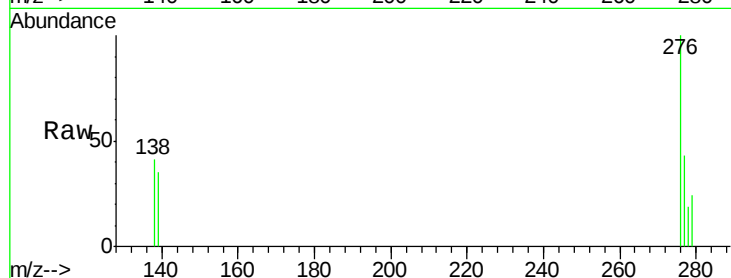
Acq: 6 Nov 2017 21:02

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MS



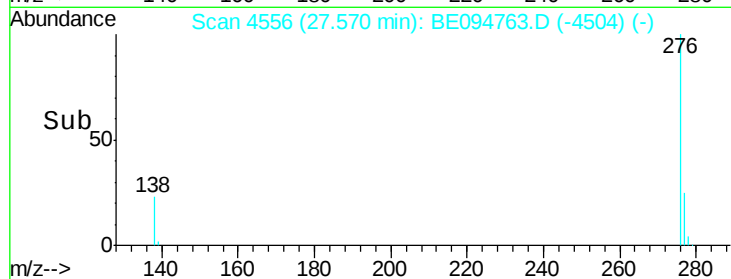
Tot Ion: 276 Resp: 23436

Ion Ratio Lower Upper

276 100

138 41.1 21.8 32.8#

277 43.1 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

