

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094764.D
 Acq On : 6 Nov 2017 21:38
 Operator : SJ/JU
 Sample : I6096-05MSD 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 07 01:31:07 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	1440	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8099	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4479	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10347	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	9623	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	9740	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	290	0.02	ng/ul	-0.02
14) Fluoranthene-d10	19.29	212	468	0.02	ng/ul	0.00

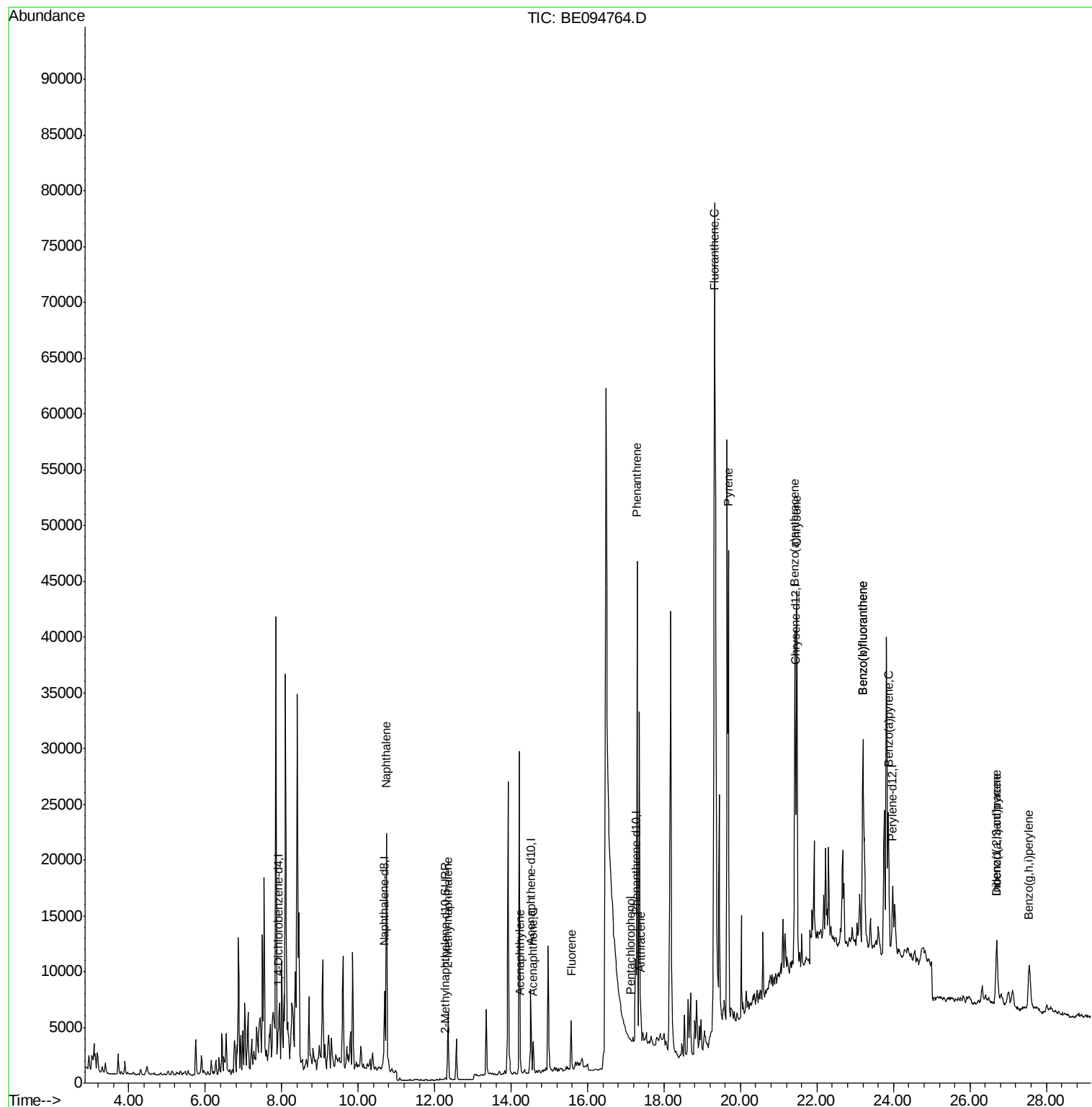
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	35160	1.78	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	5519	0.40	ng/ul	99
7) Acenaphthylene	14.24	152	940	0.05	ng/ul#	67
8) Acenaphthene	14.57	153	1839	0.13	ng/ul	92
9) Fluorene	15.57	166	2900	0.18	ng/ul	94
11) Pentachlorophenol	17.12	266	50	0.10	ng/ul#	27
12) Phenanthrene	17.29	178	48416	1.77	ng/ul#	84
13) Anthracene	17.39	178	4355	0.16	ng/ul#	25
15) Fluoranthene	19.31	202	51789	1.64	ng/ul#	34
17) Pyrene	19.68	202	48342	1.62	ng/ul#	85
18) Benzo(a)anthracene	21.42	228	28393	1.03	ng/ul#	87
19) Chrysene	21.47	228	35095	1.23	ng/ul#	82
21) Benzo(b)fluoranthene	23.20	252	47775	1.74	ng/ul#	82
22) Benzo(k)fluoranthene	23.20	252	47775	1.63	ng/ul#	80
23) Benzo(a)pyrene	23.87	252	19763	0.72	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.70	276	12691	0.45	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.69	278	3297	0.14	ng/ul#	1
26) Benzo(g,h,i)perylene	27.55	276	11694	0.51	ng/ul#	59

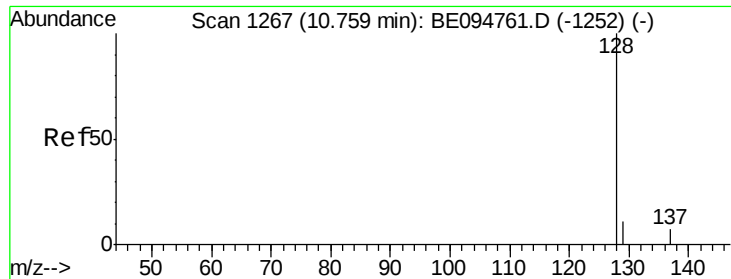
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.78 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

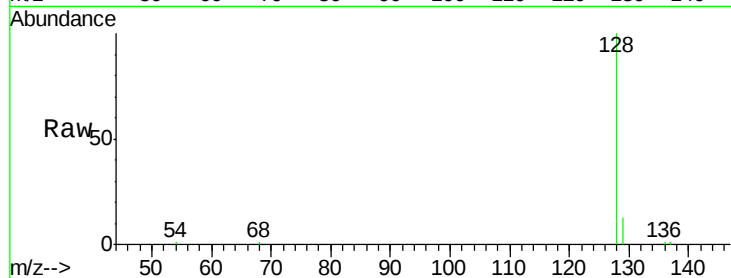
Tot Ion:128 Resp: 35160

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

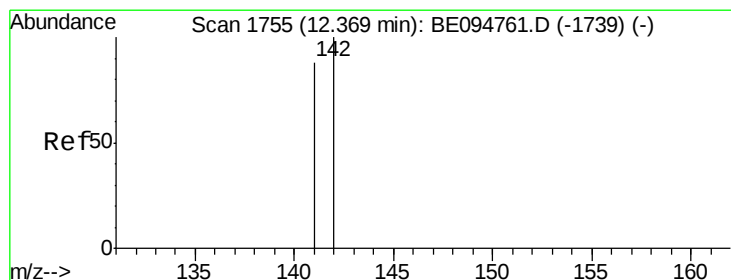
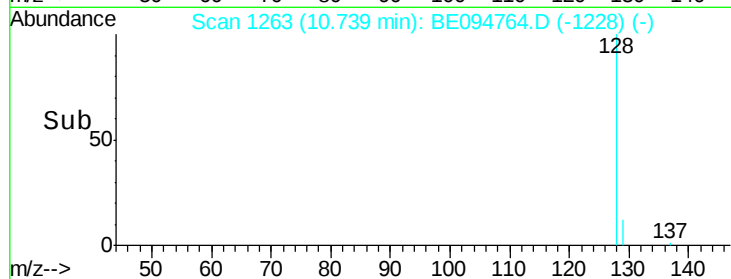
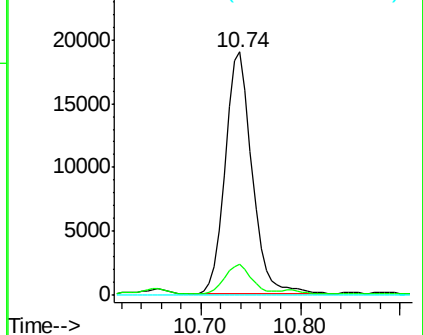
127 0.0 4.0 6.0#



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: 0.40 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094764.D

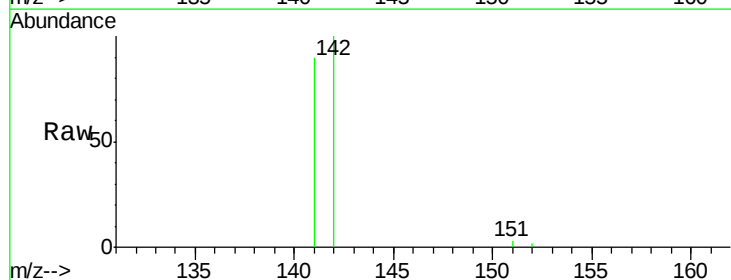
Acq: 6 Nov 2017 21:38

Tgt Ion:142 Resp: 5519

Ion Ratio Lower Upper

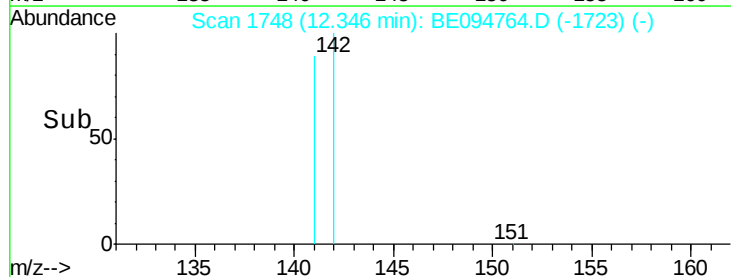
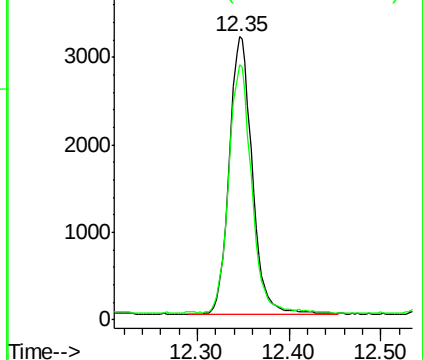
142 100

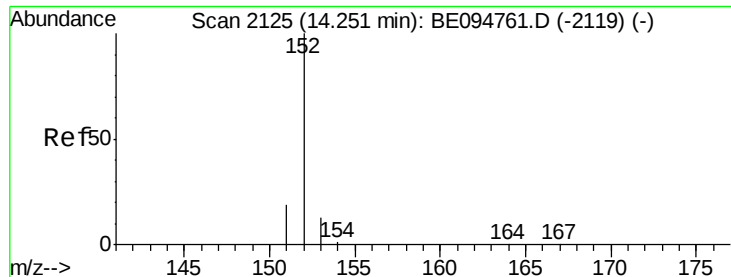
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

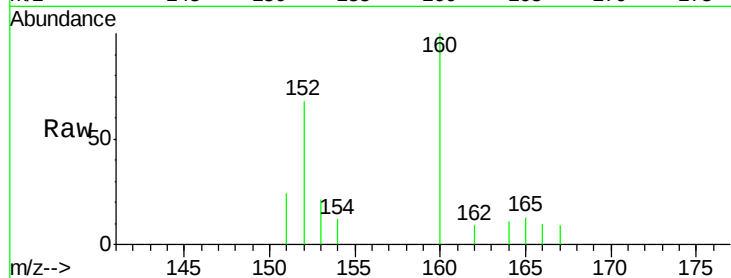
Tot Ion:152 Resp: 940

Ion Ratio Lower Upper

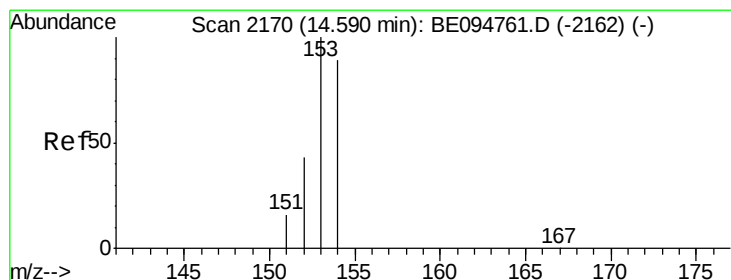
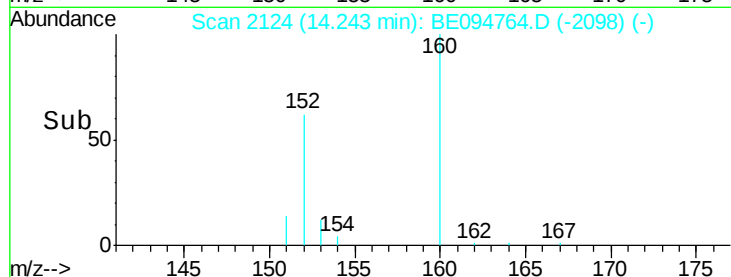
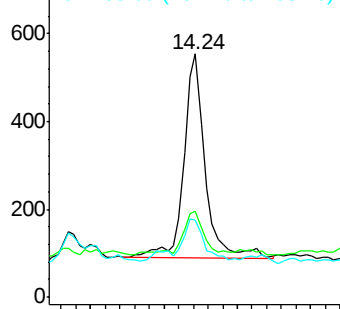
152 100

151 35.4 17.1 25.7#

153 31.6 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: 0.13 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

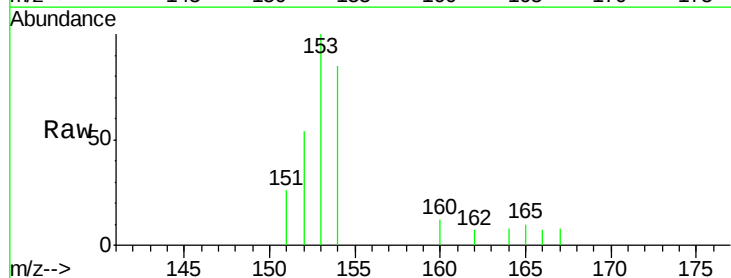
Tgt Ion:153 Resp: 1839

Ion Ratio Lower Upper

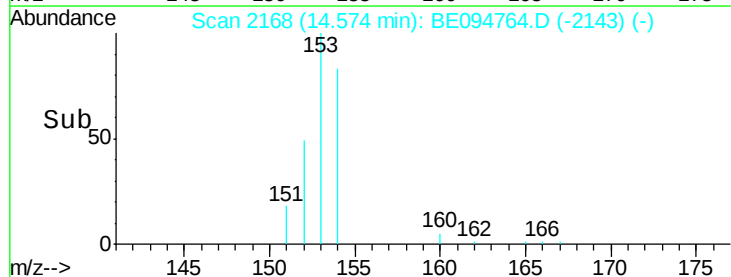
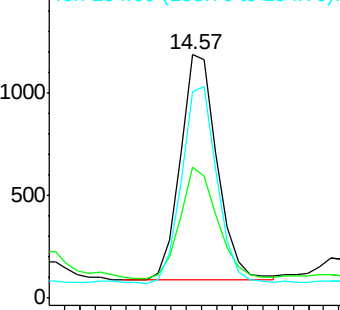
153 100

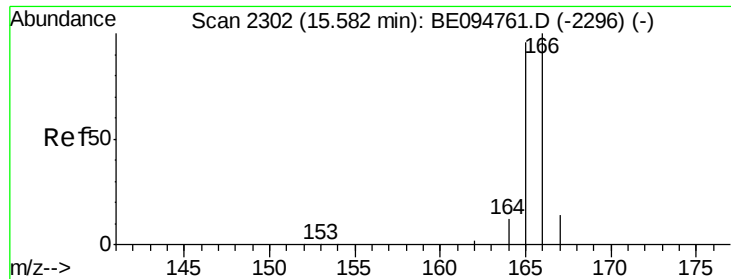
152 53.9 36.0 54.0

154 84.7 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

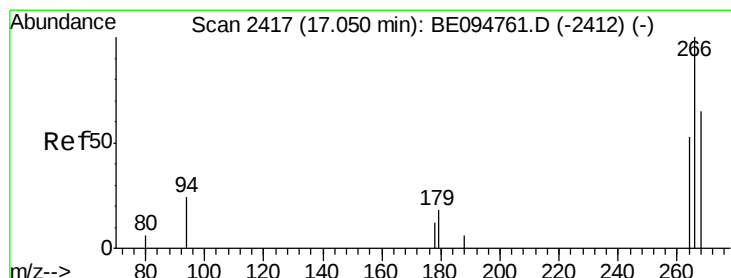
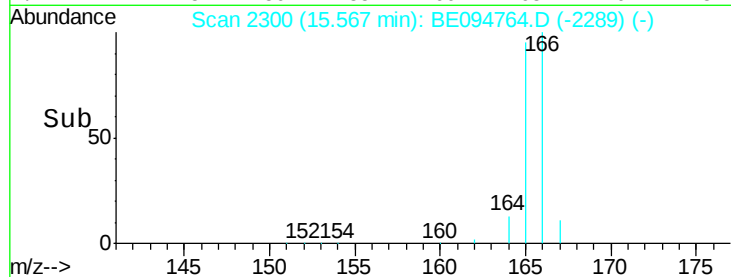
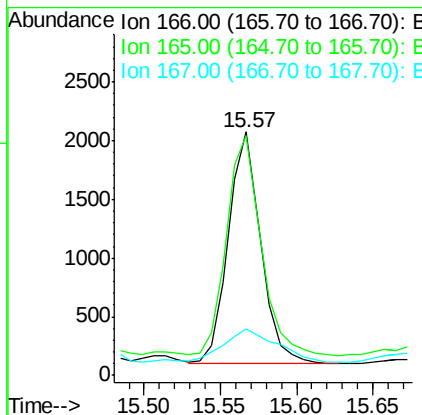
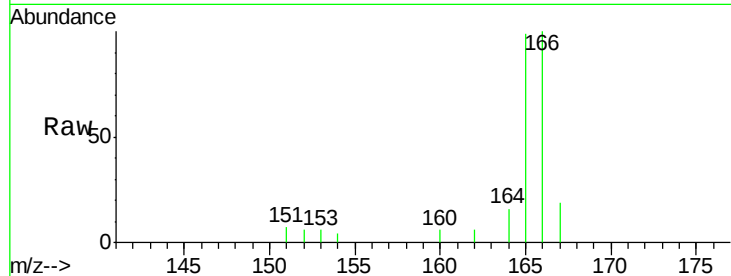




#9
Fluorene
 Concen: 0.18 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094764.D
 Acq: 6 Nov 2017 21:38

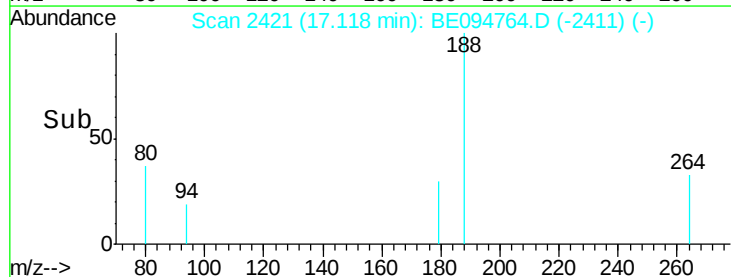
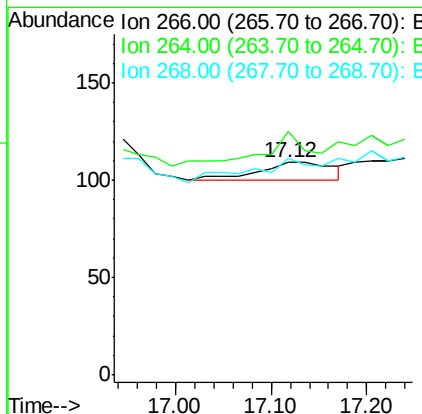
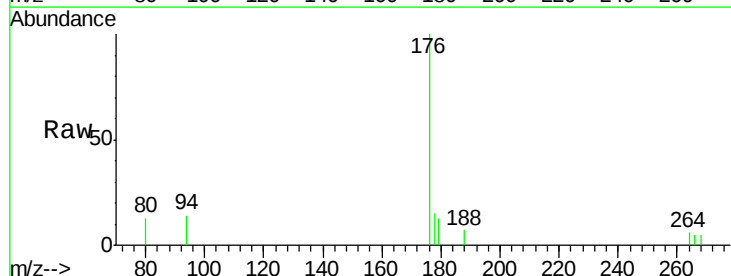
Instrument :
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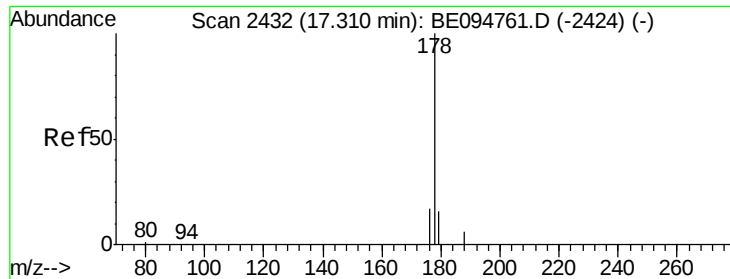
Tot Ion:166 Resp: 2900
 Ion Ratio Lower Upper
 166 100
 165 98.5 73.4 110.2
 167 18.9 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.10 ng/ul
 RT: 17.12 min Scan# 2421
 Delta R.T. 0.07 min
 Lab File: BE094764.D
 Acq: 6 Nov 2017 21:38

Tgt Ion:266 Resp: 50
 Ion Ratio Lower Upper
 266 100
 264 120.0 47.9 71.9#
 268 114.0 49.8 74.8#

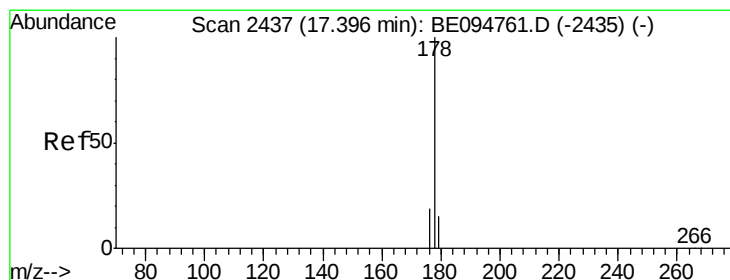
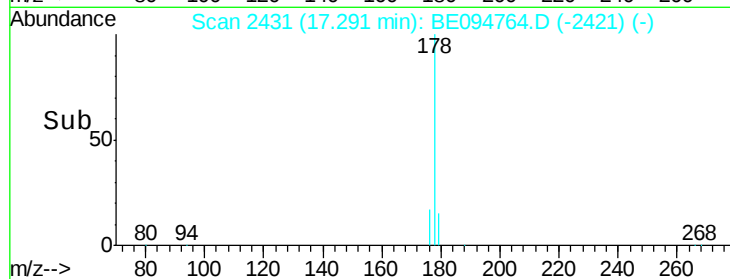
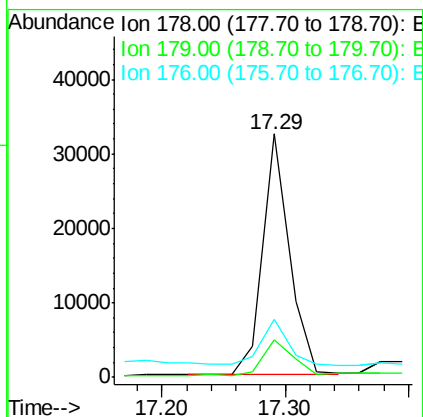
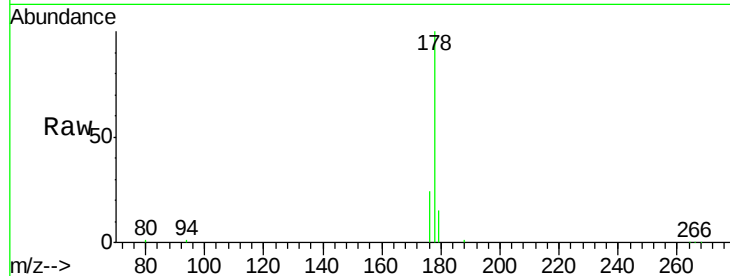




#12
Phenanthrene
Concen: 1.77 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE094764.D
Acq: 6 Nov 2017 21:38

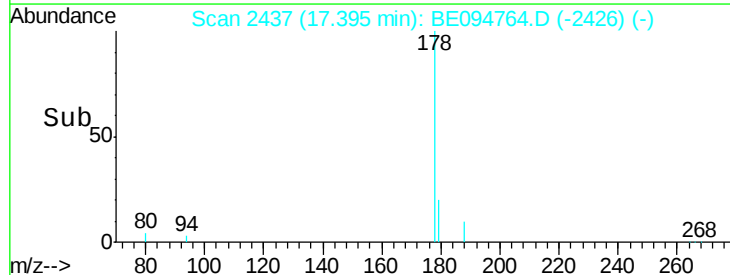
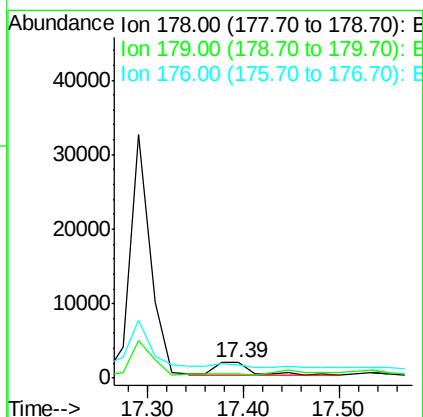
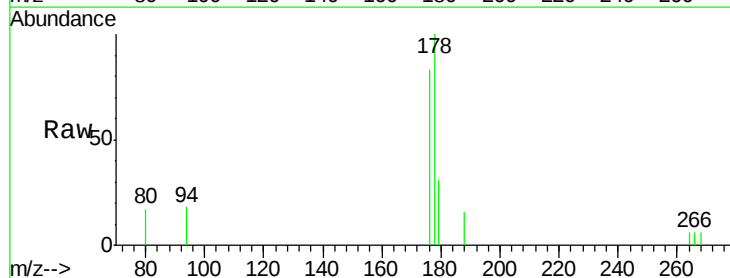
Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MSD

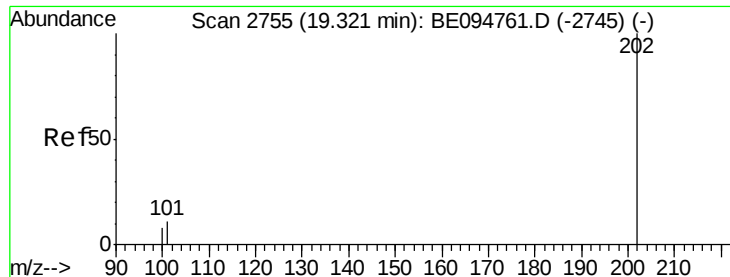
Tot Ion:178 Resp: 48416
Ion Ratio Lower Upper
178 100
179 15.5 18.4 27.6#
176 23.8 13.6 20.4#



#13
Anthracene
Concen: 0.16 ng/ul
RT: 17.39 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BE094764.D
Acq: 6 Nov 2017 21:38

Tgt Ion:178 Resp: 4355
Ion Ratio Lower Upper
178 100
179 30.8 18.1 27.1#
176 83.1 14.7 22.1#





#15

Fluoranthene

Concen: 1.64 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

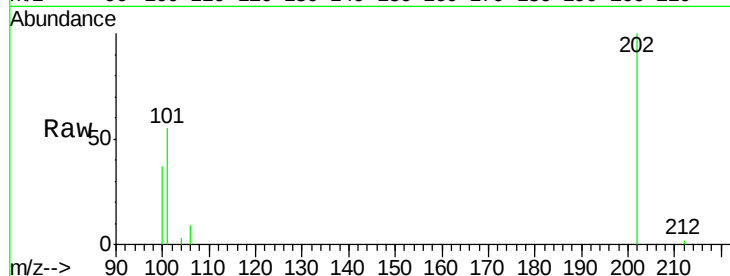
Tot Ion:202 Resp: 51789

Ion Ratio Lower Upper

202 100

101 54.9 0.0 30.3#

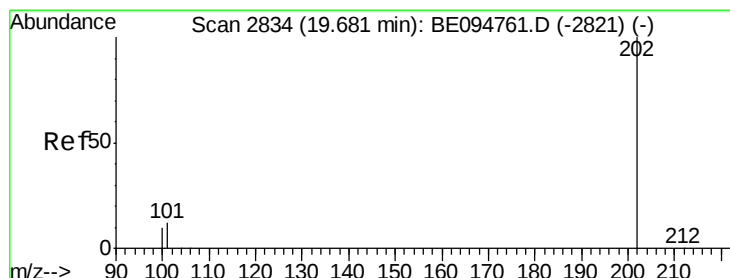
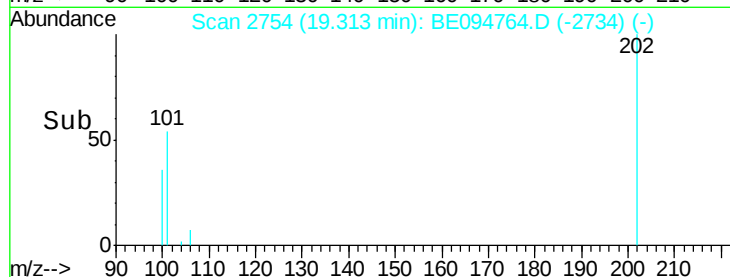
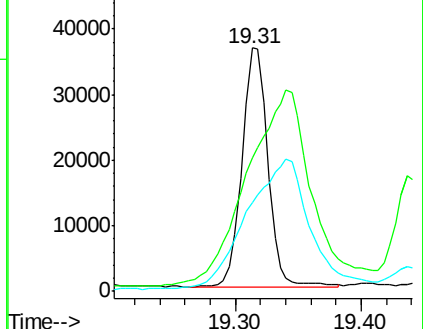
100 36.6 0.0 39.5



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: 1.62 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

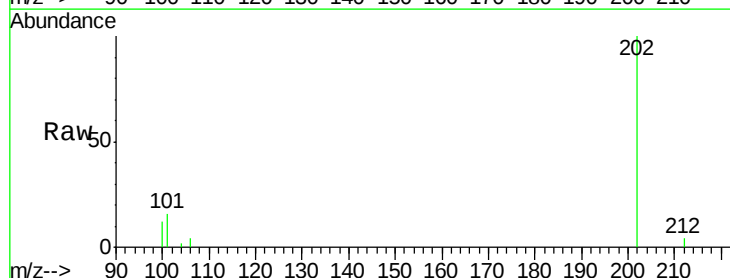
Tgt Ion:202 Resp: 48342

Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

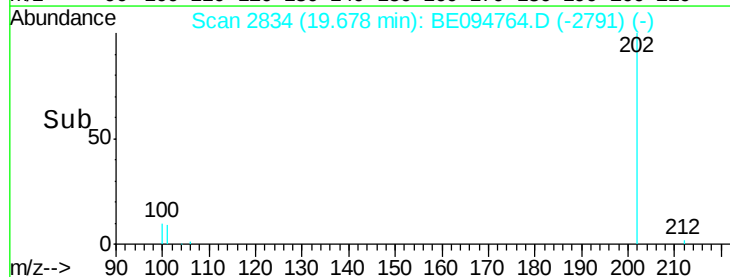
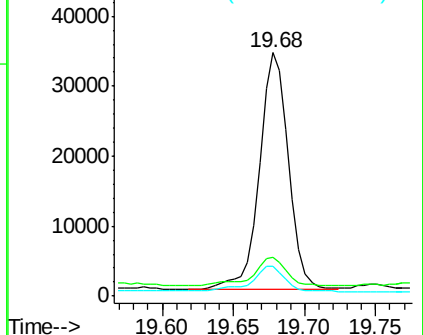
100 12.1 15.6 23.4#

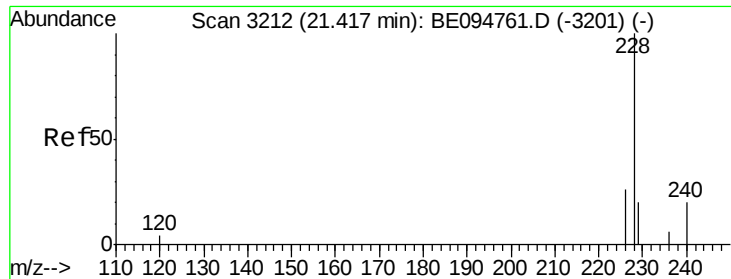


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.03 ng/ul

RT: 21.42 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

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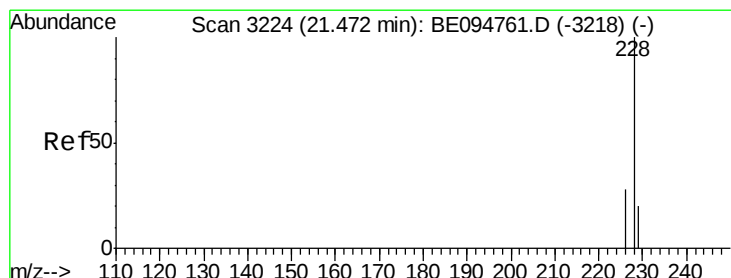
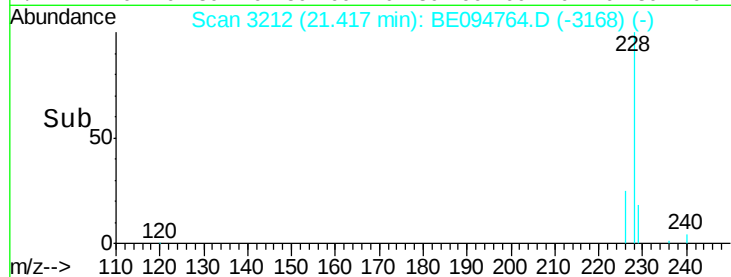
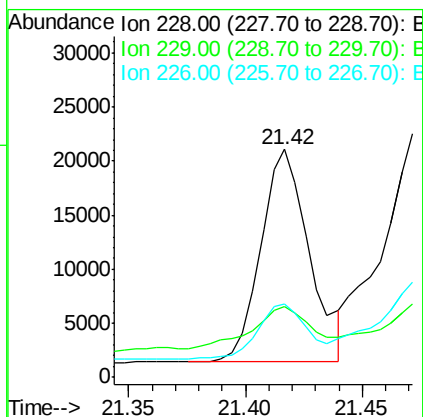
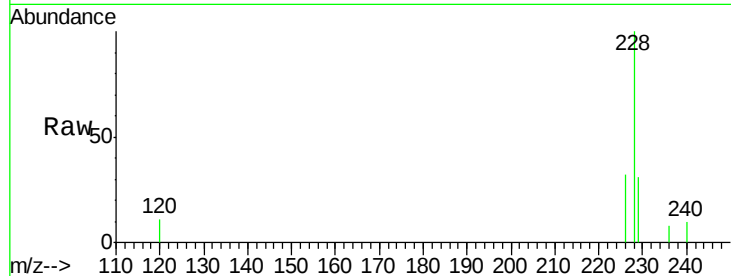
Tot Ion:228 Resp: 28393

Ion Ratio Lower Upper

228 100

229 31.2 22.8 34.2

226 32.4 17.0 25.6#



#19

Chrysene

Concen: 1.23 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

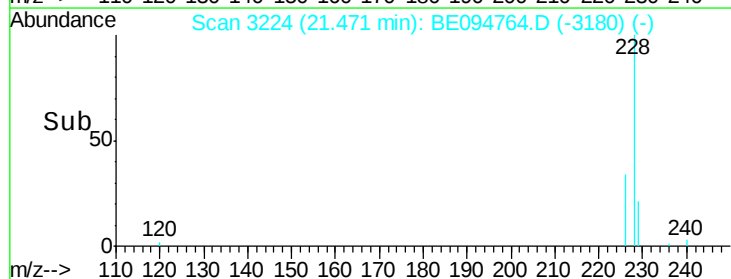
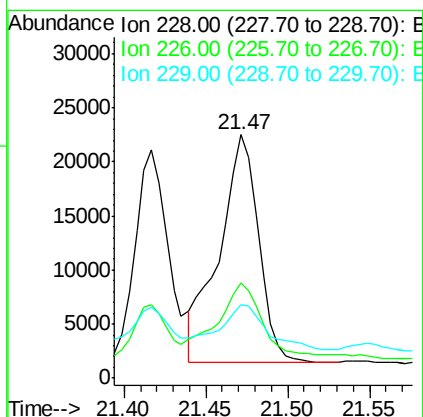
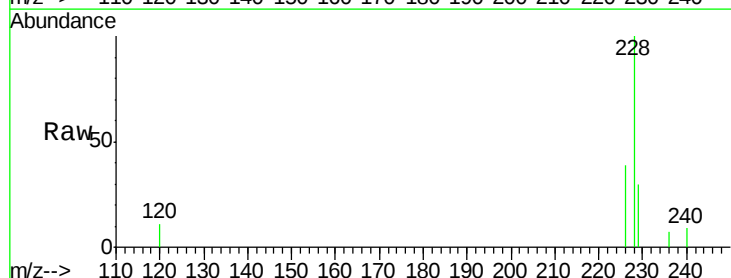
Tgt Ion:228 Resp: 35095

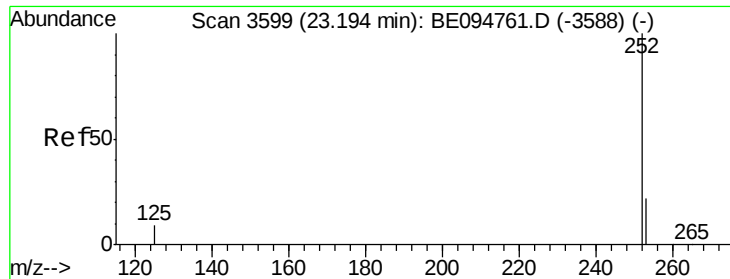
Ion Ratio Lower Upper

228 100

226 38.9 23.4 35.0#

229 30.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 1.74 ng/ul

RT: 23.20 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

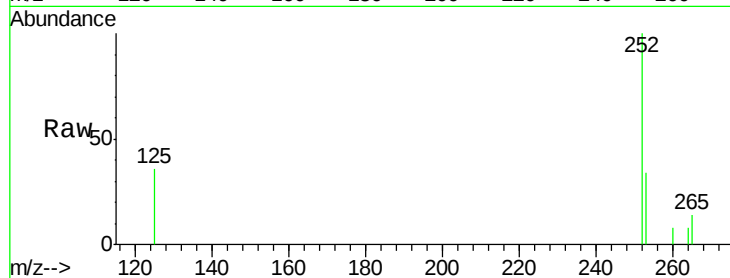
Tot Ion:252 Resp: 47775

Ion Ratio Lower Upper

252 100

253 34.1 0.0 64.2

125 36.3 0.0 35.0#

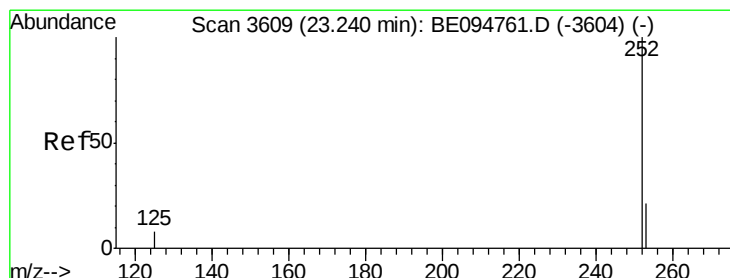
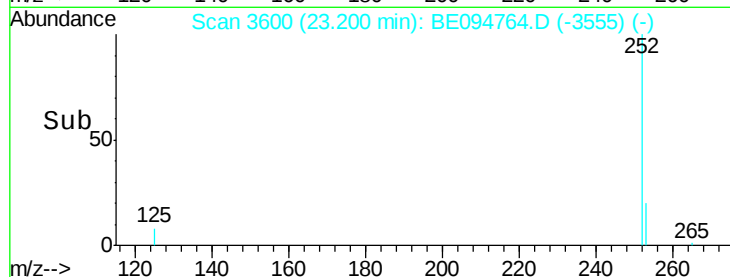
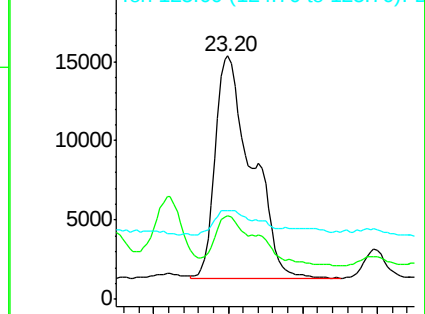


Abundance

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: 1.63 ng/ul

RT: 23.20 min Scan# 3600

Delta R.T. -0.04 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

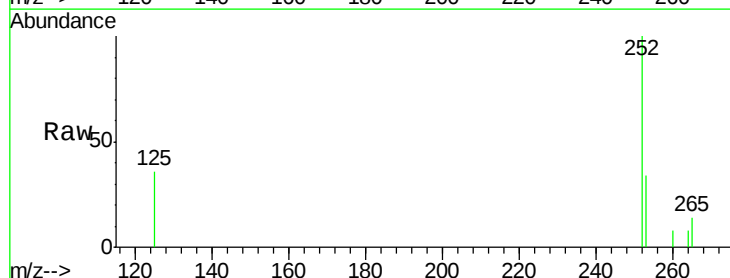
Tgt Ion:252 Resp: 47775

Ion Ratio Lower Upper

252 100

253 34.1 24.5 36.7

125 36.3 13.7 20.5#

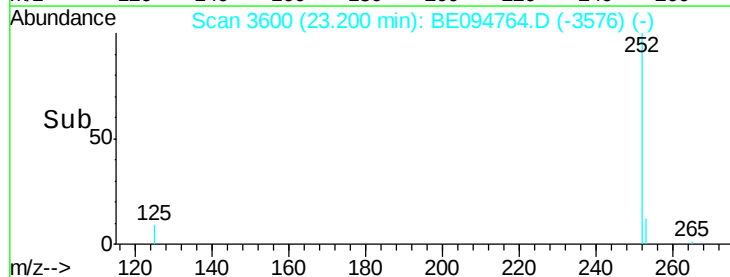
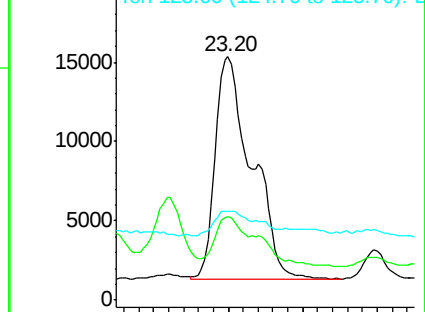


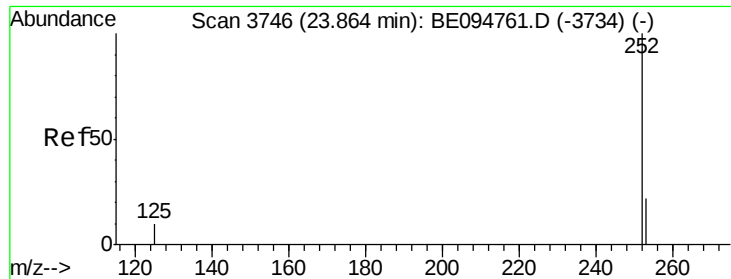
Abundance

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: 0.72 ng/ul

RT: 23.87 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

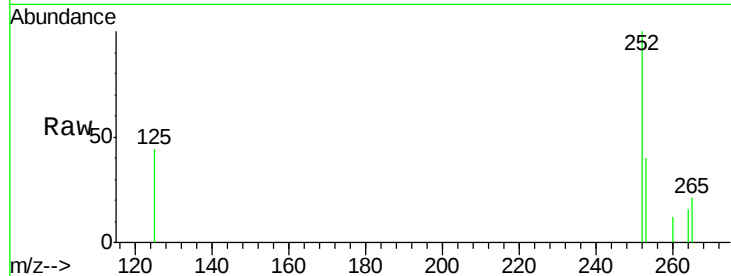
Tot Ion:252 Resp: 19763

Ion Ratio Lower Upper

252 100

253 40.3 28.5 42.7

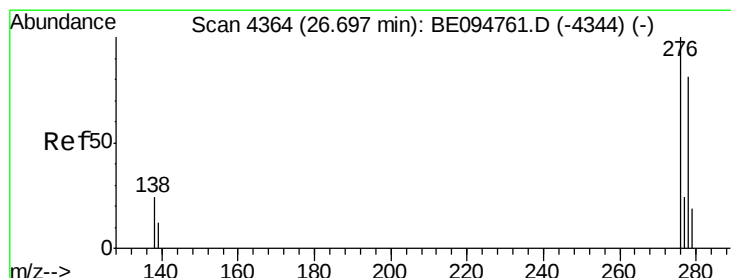
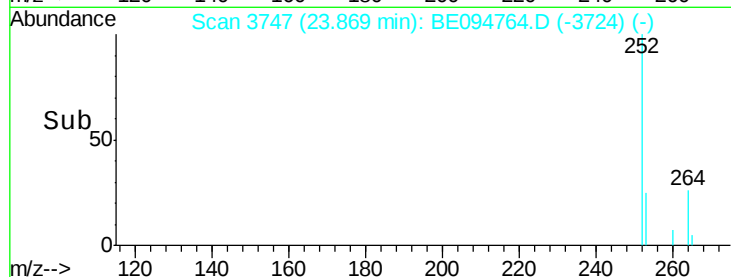
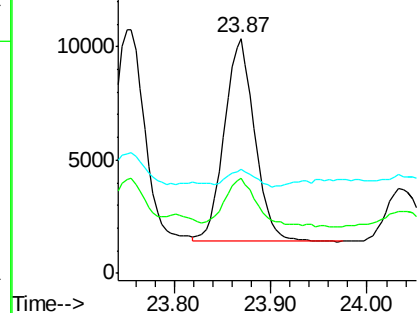
125 44.3 18.1 27.1#



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: 0.45 ng/ul

RT: 26.70 min Scan# 4365

Delta R.T. 0.00 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

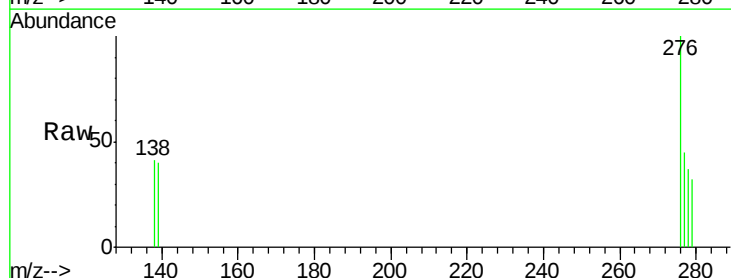
Tgt Ion:276 Resp: 12691

Ion Ratio Lower Upper

276 100

138 19.6 28.0 42.0#

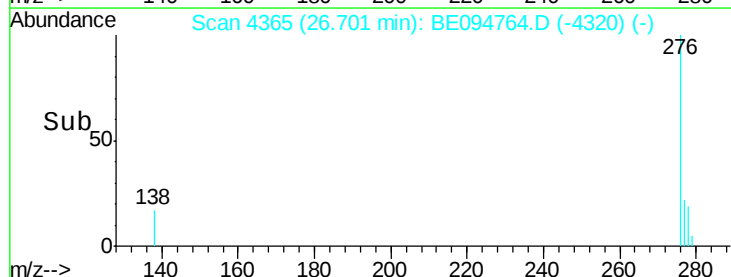
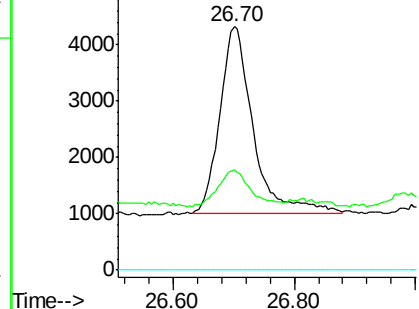
227 0.0 8.0 12.0#

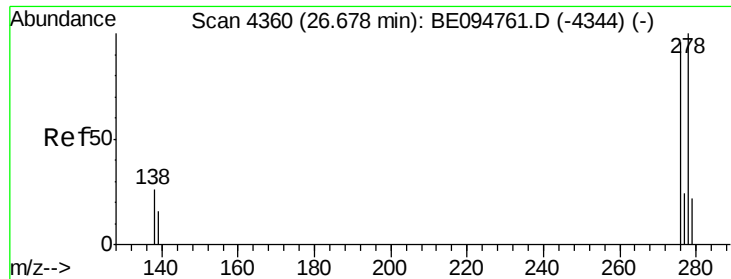


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.14 ng/ul

RT: 26.69 min Scan# 4363

Delta R.T. 0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

Instrument :

BNA_E

ClientSampleId :

B-52(0-1)-102317MSD

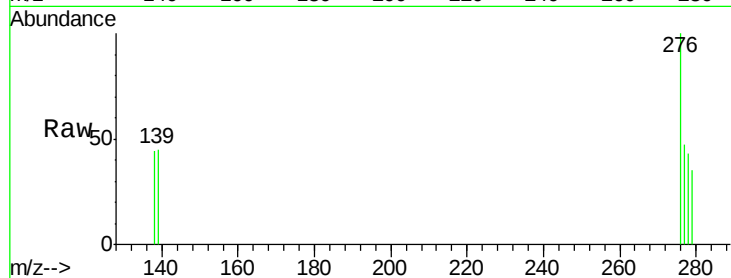
Tot Ion:278 Resp: 3297

Ion Ratio Lower Upper

278 100

139 104.6 17.4 26.0#

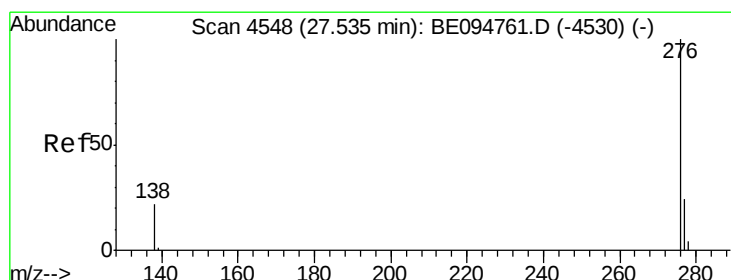
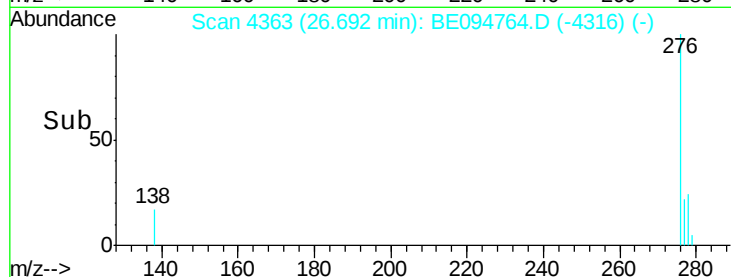
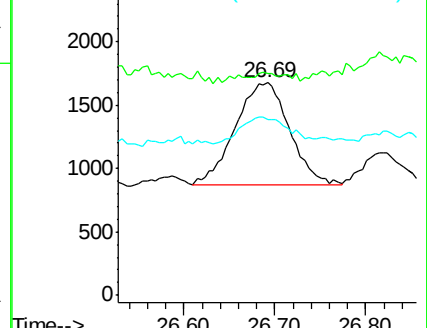
279 82.4 25.9 38.9#



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(g,h,i)perylene

Concen: 0.51 ng/ul

RT: 27.55 min Scan# 4551

Delta R.T. 0.01 min

Lab File: BE094764.D

Acq: 6 Nov 2017 21:38

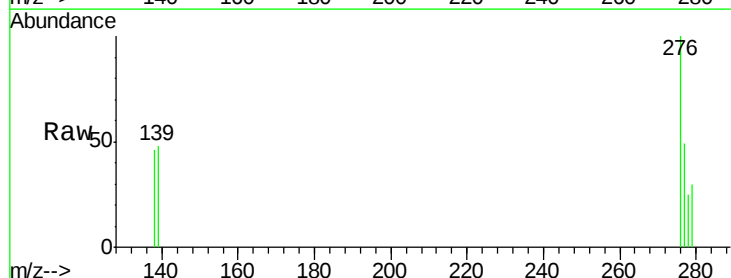
Tgt Ion:276 Resp: 11694

Ion Ratio Lower Upper

276 100

138 45.8 21.8 32.8#

277 49.1 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

