

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094937.D
 Acq On : 6 Dec 2017 4:34
 Operator : SJ/JU
 Sample : I6698-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW05I-20171130

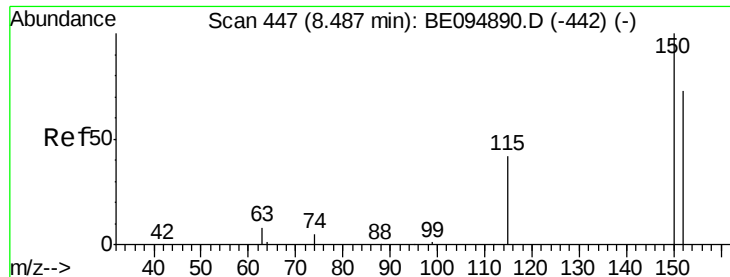
Quant Time: Dec 06 06:31:14 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	8091	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18081	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	10718	0.40	ng	-0.02
19) Phenanthrene-d10	17.77	188	26574	0.40	ng	0.00
27) Chrysene-d12	21.87	240	28217	0.40	ng	-0.01
34) Perylene-d12	24.55	264	23075	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2384	0.19	ng	0.00
5) Phenol-d6	7.60	99	2265	0.12	ng	0.00
8) Nitrobenzene-d5	9.67	82	5679	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	11832	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1421	0.59	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	21114	0.46	ng	0.00
25) Fluoranthene-d10	19.75	212	145041	0.40	ng	0.00
29) Terphenyl-d14	20.31	244	39559	0.76	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	3.67	88	696	0.082	ng	# 56
9) Naphthalene	11.38	128	4838	0.023	ng	# 89
22) Pentachlorophenol	17.58	266	34	0.140	ng	95
30) Benzo(a)anthracene	21.85	228	1936	0.022	ng	# 70
31) Chrysene	21.92	228	2629	0.027	ng	# 72
32) Bis(2-ethylhexyl)phthalate	21.75	149	26762	0.187	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	1857	0.024	ng	# 93
35) Benzo(b)fluoranthene	23.73	252	1992	0.024	ng	# 71
36) Benzo(k)fluoranthene	23.78	252	1731	0.020	ng	# 69
37) Benzo(a)pyrene	24.43	252	1492	0.020	ng	# 87
38) Dibenzo(a,h)anthracene	27.45	278	1539	0.023	ng	# 72
39) Benzo(g,h,i)perylene	28.30	276	1859	0.027	ng	# 69

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

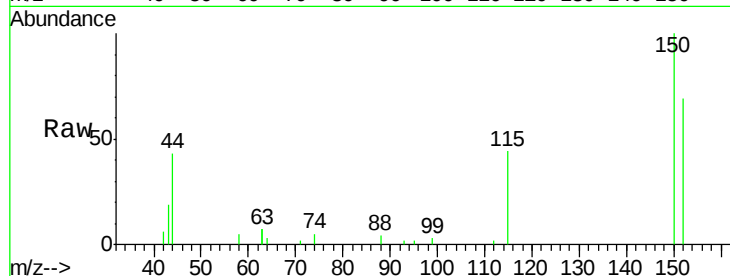


#1

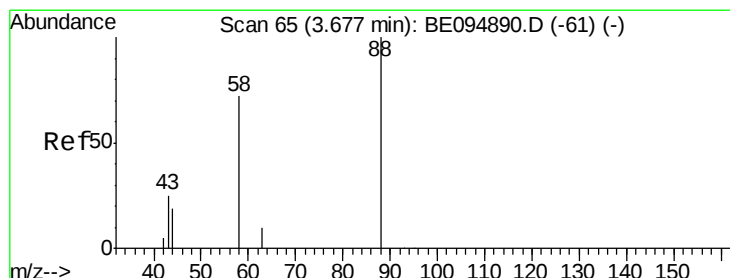
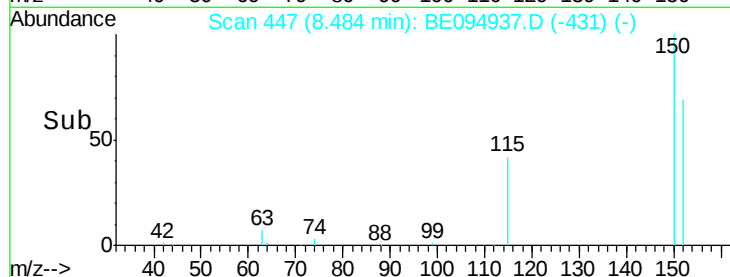
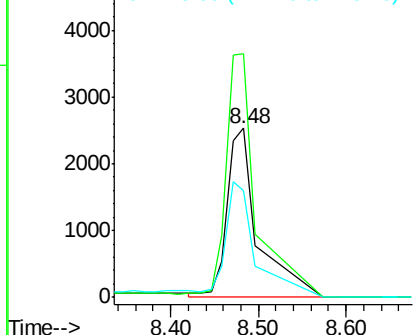
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

Instrument :
BNA_E
ClientSampleId :
FT-MW05I-20171130

Tot Ion:152 Resp: 8091
Ion Ratio Lower Upper
152 100
150 144.0 117.2 175.8
115 63.4 57.0 85.6



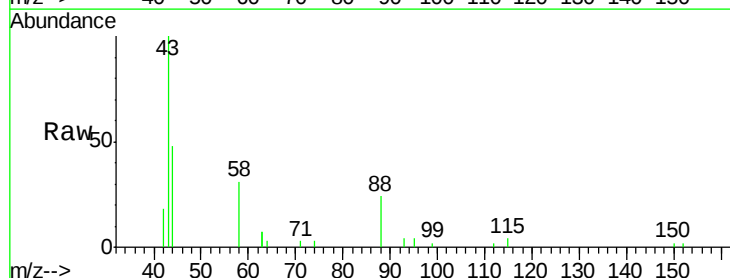
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



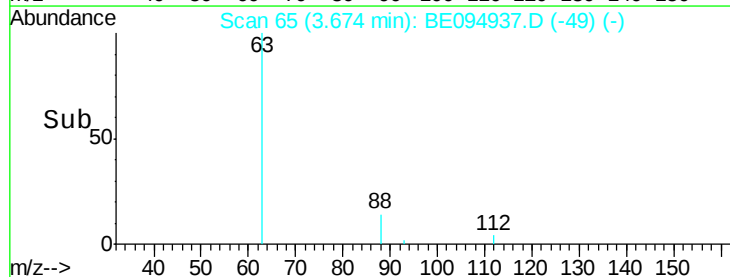
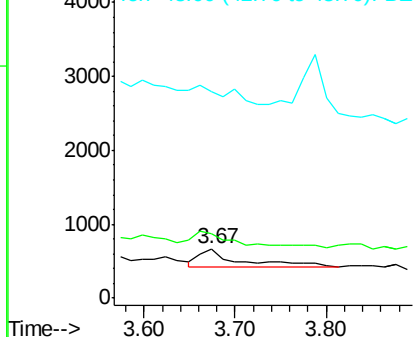
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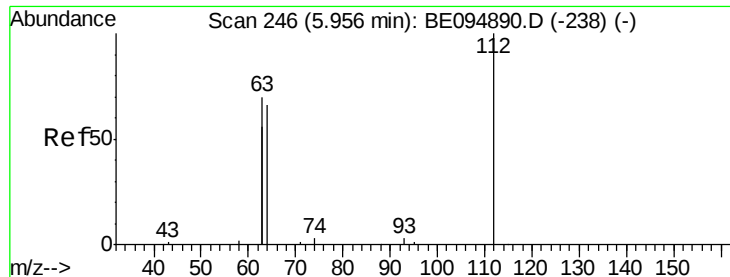
1,4-Dioxane
Concen: 0.082 ng
RT: 3.67 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

Tgt Ion: 88 Resp: 696
Ion Ratio Lower Upper
88 100
58 100.0 63.2 94.8#
43 0.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.186 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

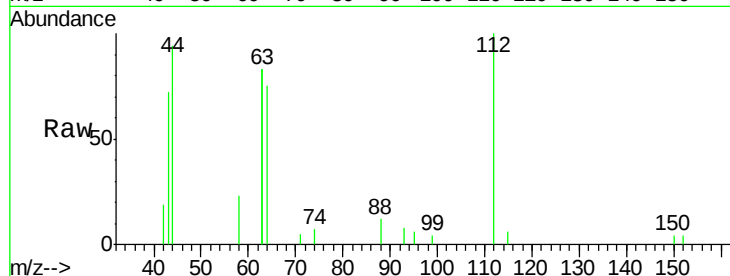
Tot Ion:112 Resp: 2384

Ion Ratio Lower Upper

112 100

64 77.0 60.1 90.1

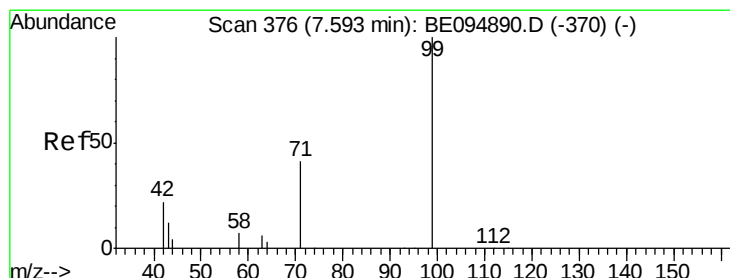
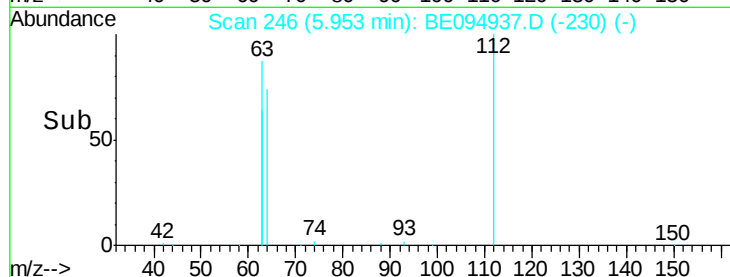
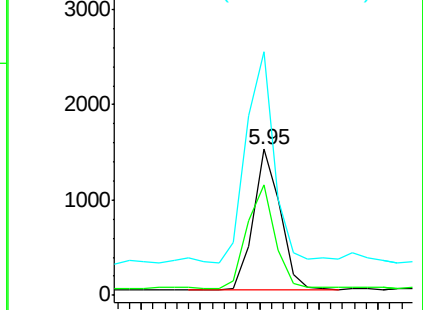
63 167.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.119 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

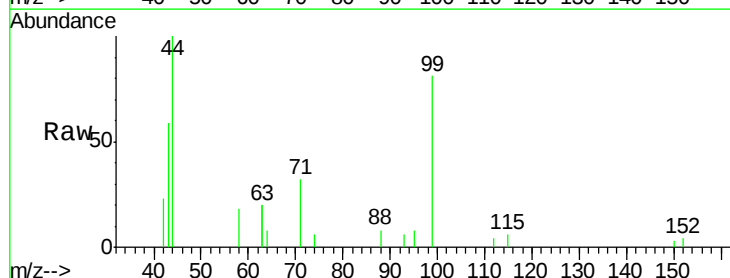
Tgt Ion: 99 Resp: 2265

Ion Ratio Lower Upper

99 100

42 29.6 20.2 30.2

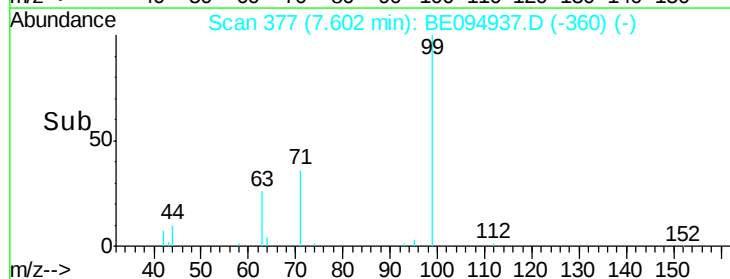
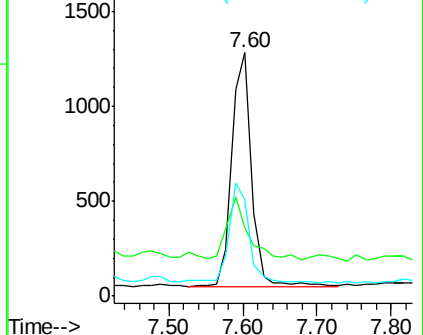
71 43.2 28.4 42.6#

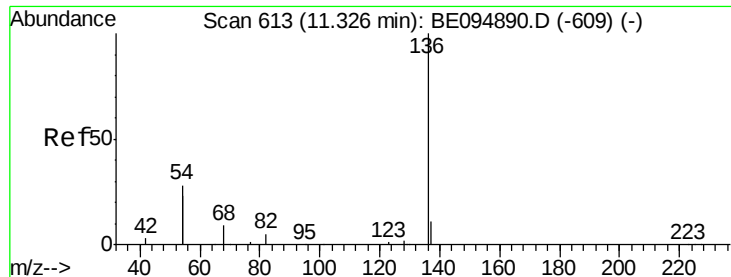


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

Tot Ion:136 Resp: 18081

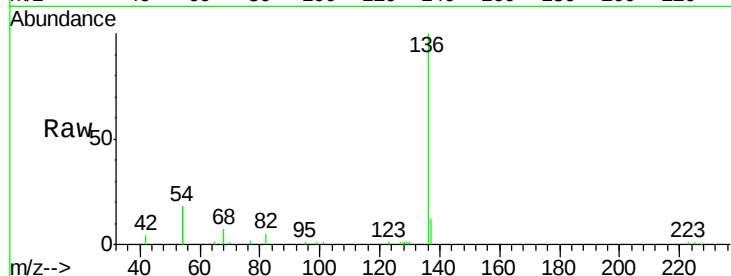
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 35.4 29.1 43.7

68 7.3 6.2 9.2

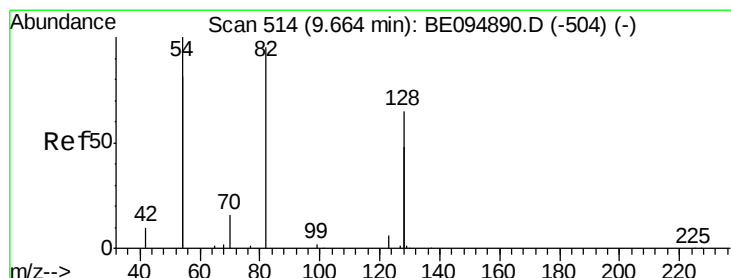
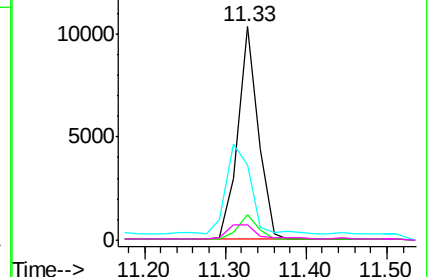
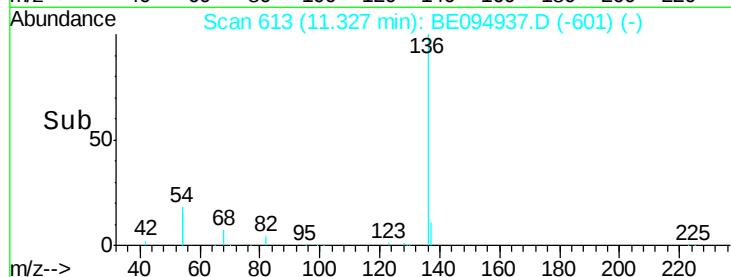


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.531 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

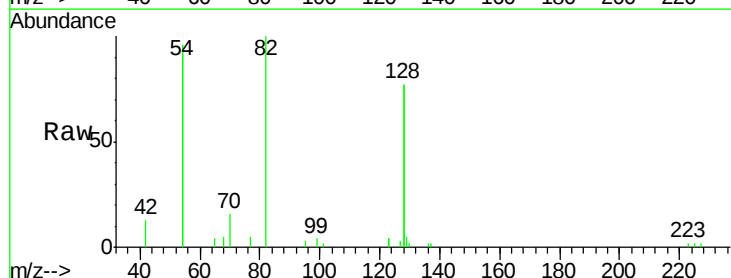
Tgt Ion: 82 Resp: 5679

Ion Ratio Lower Upper

82 100

128 153.5 150.0 225.0

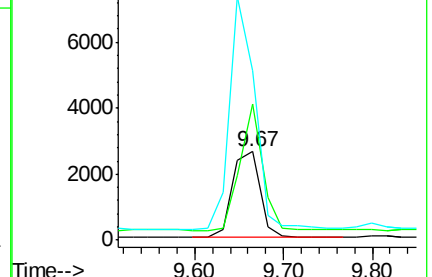
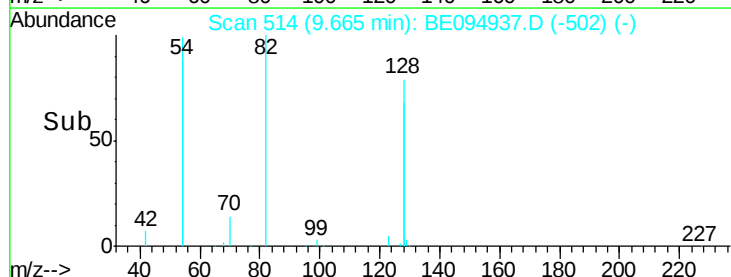
54 191.3 154.2 231.4

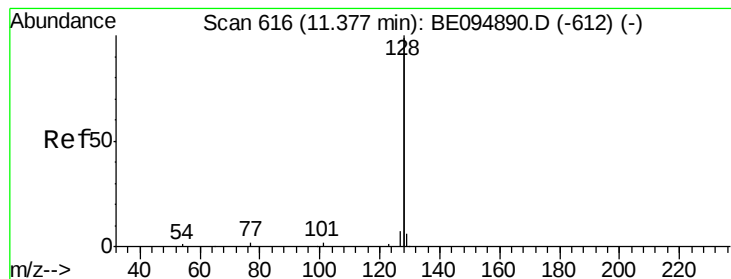


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.023 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

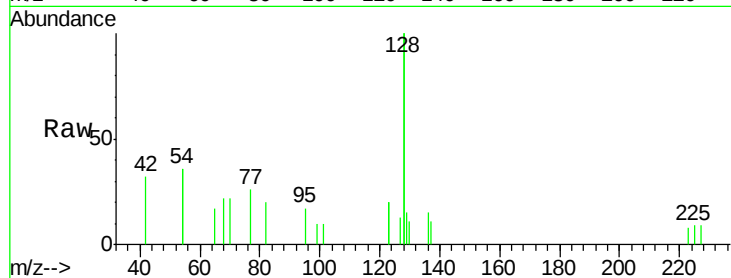
Tot Ion:128 Resp: 4838

Ion Ratio Lower Upper

128 100

129 7.6 2.6 3.8#

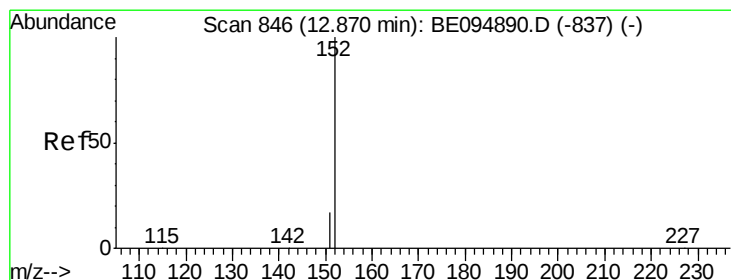
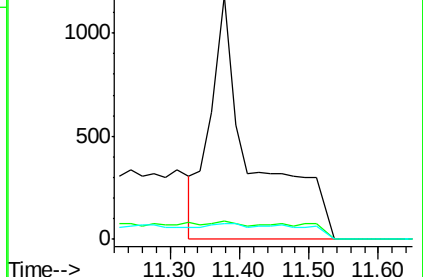
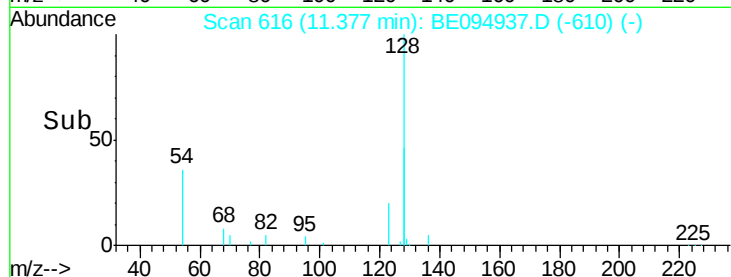
127 6.7 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094937.D

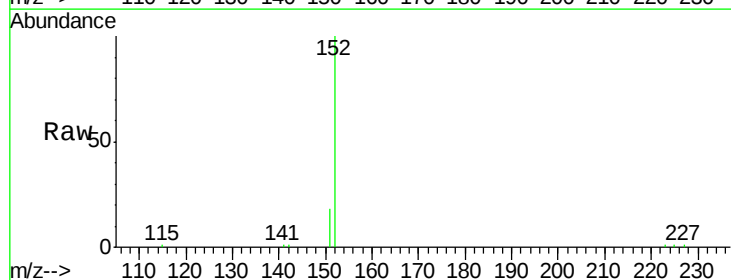
Acq: 6 Dec 2017 4:34

Tgt Ion:152 Resp: 11832

Ion Ratio Lower Upper

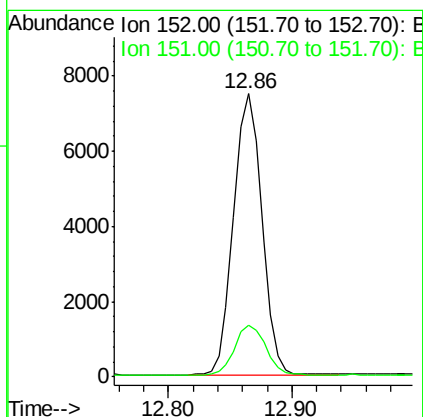
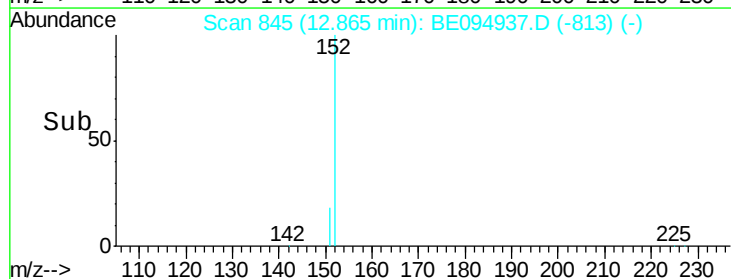
152 100

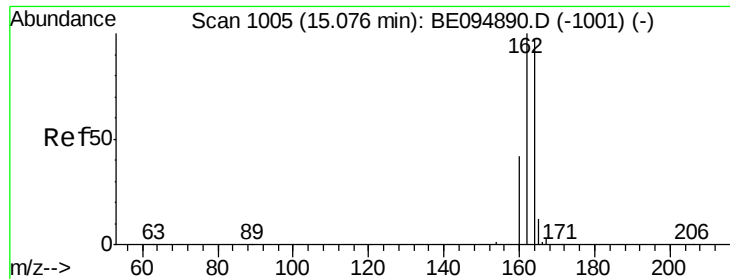
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

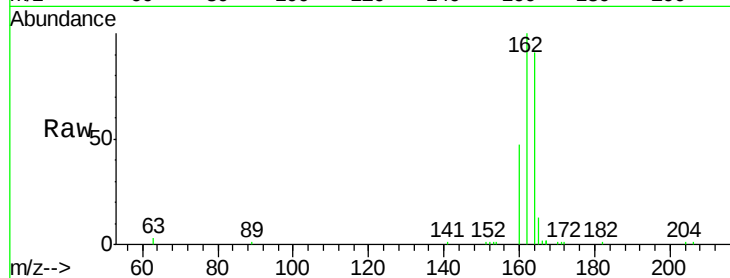
Tot Ion:164 Resp: 10718

Ion Ratio Lower Upper

164 100

162 110.0 83.1 124.7

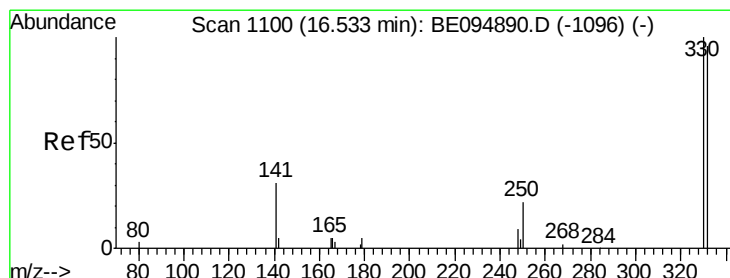
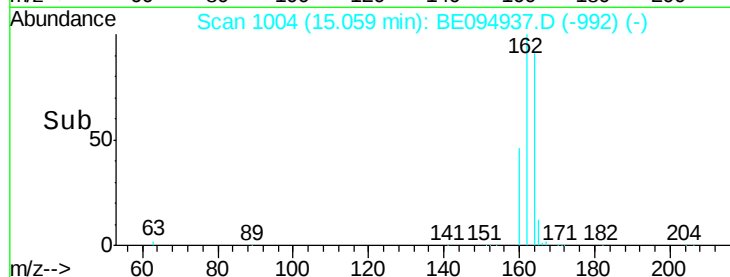
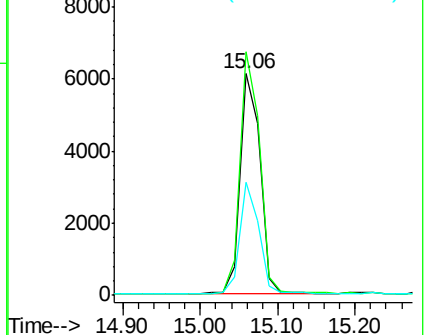
160 51.3 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.591 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

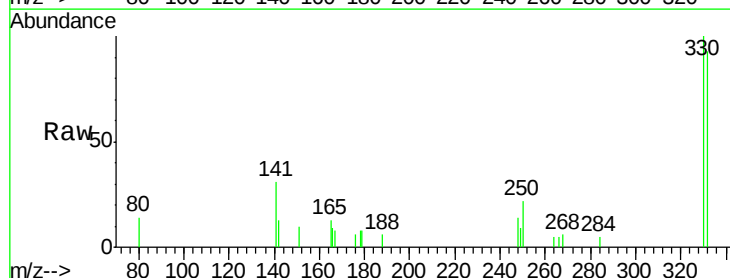
Tgt Ion:330 Resp: 1421

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

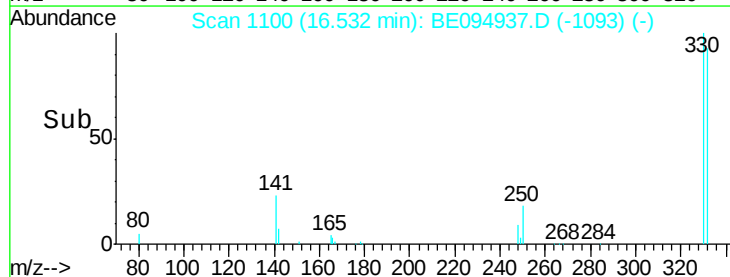
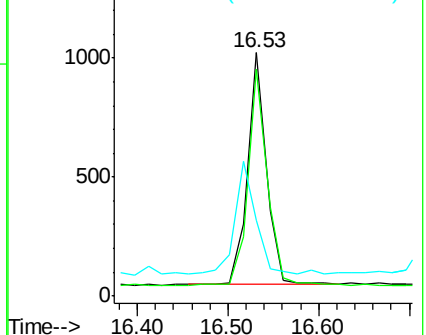
141 53.2 33.7 50.5#

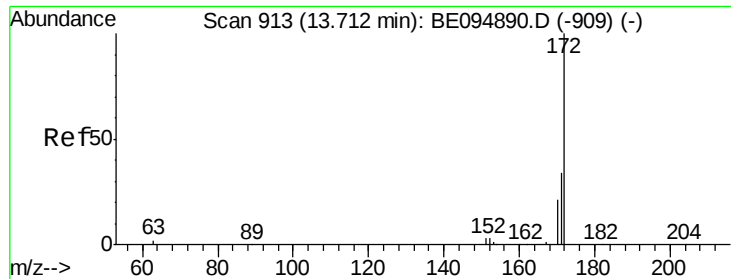


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

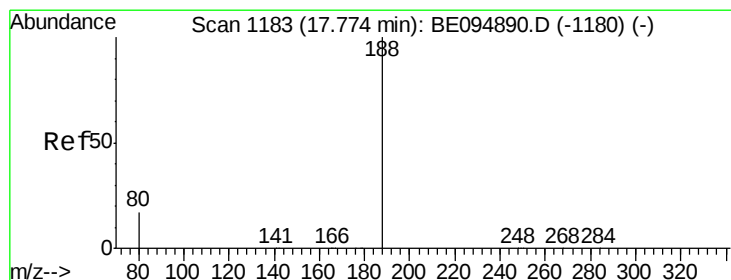
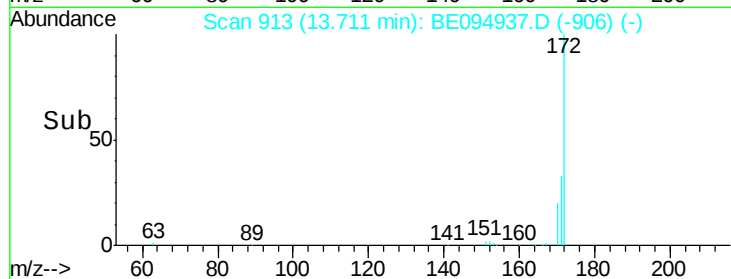
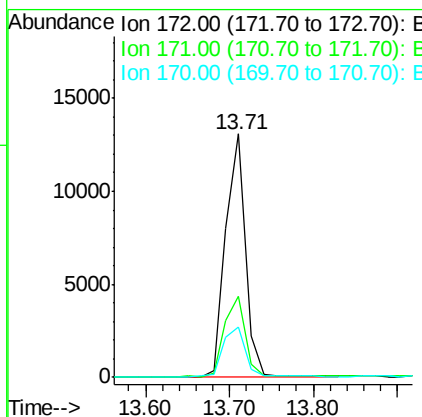
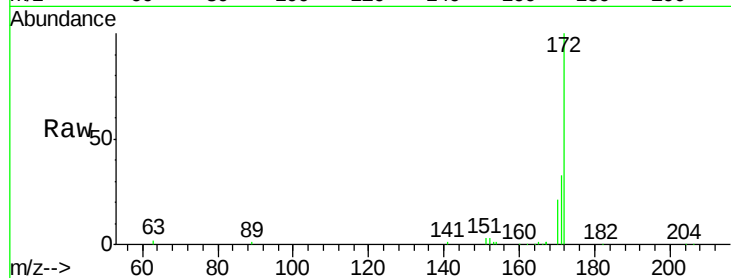




#15
2-Fluorobiphenyl
Concen: 0.460 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

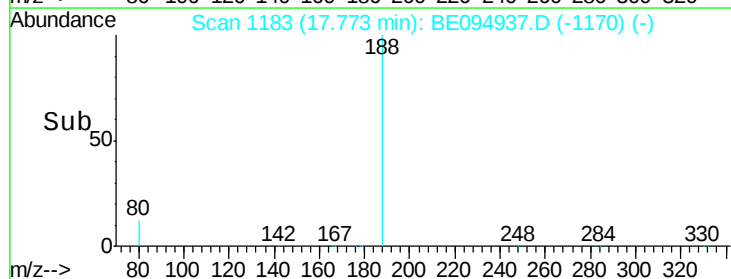
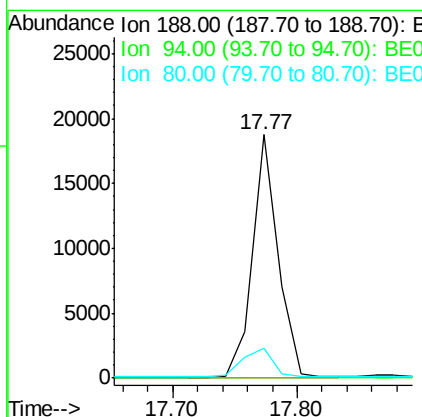
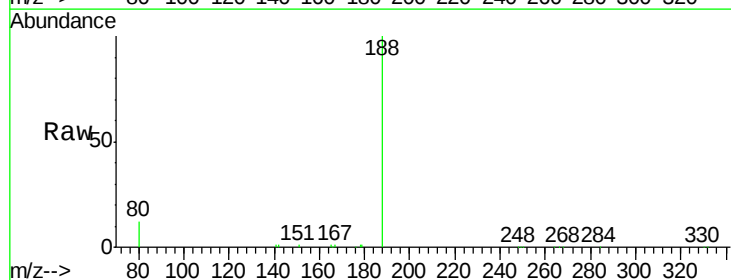
Instrument :
BNA_E
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FT-MW05I-20171130

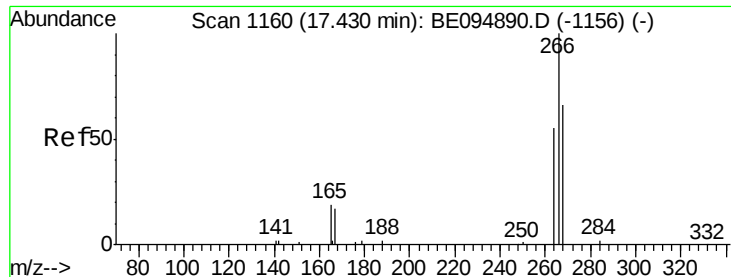
Tot Ion:172 Resp: 21114
Ion Ratio Lower Upper
172 100
171 33.3 29.9 44.9
170 20.8 21.8 32.8#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

Tgt Ion:188 Resp: 26574
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.5 3.6 5.4#

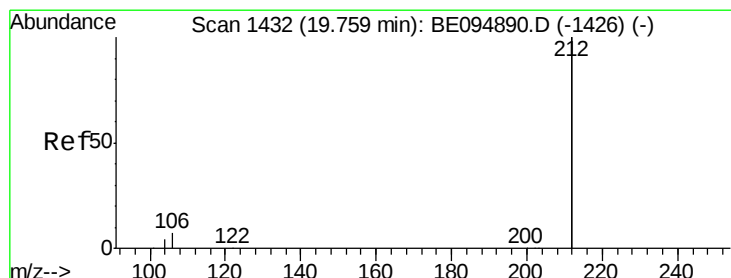
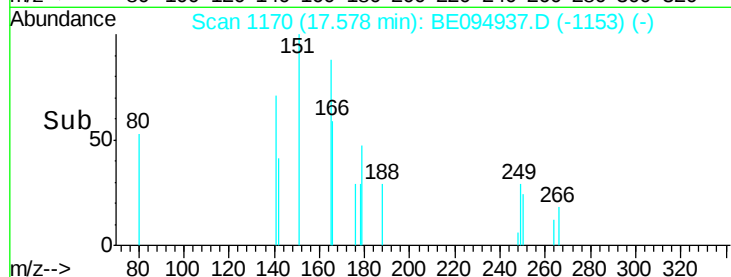
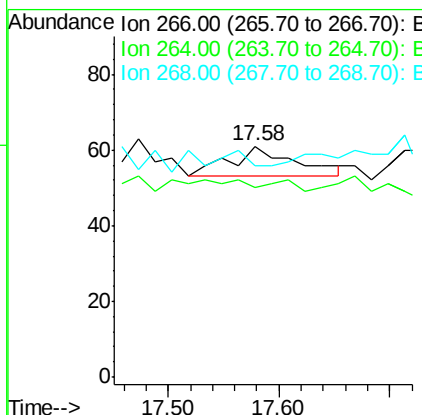
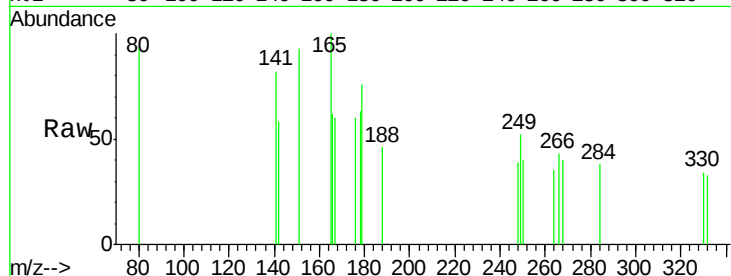




#22
 Pentachlorophenol
 Concen: 0.140 ng
 RT: 17.58 min Scan# 1170
 Delta R.T. 0.15 min
 Lab File: BE094937.D
 Acq: 6 Dec 2017 4:34

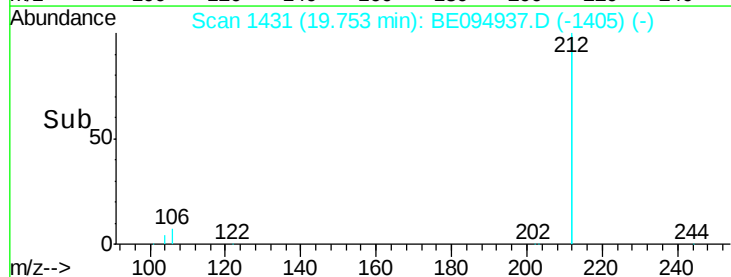
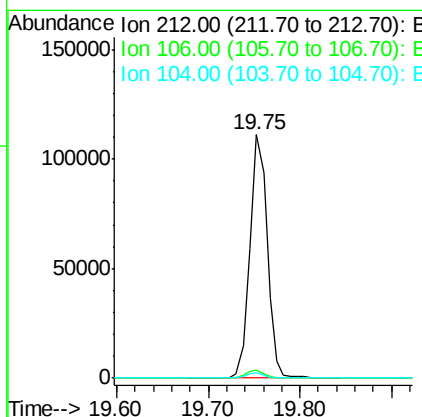
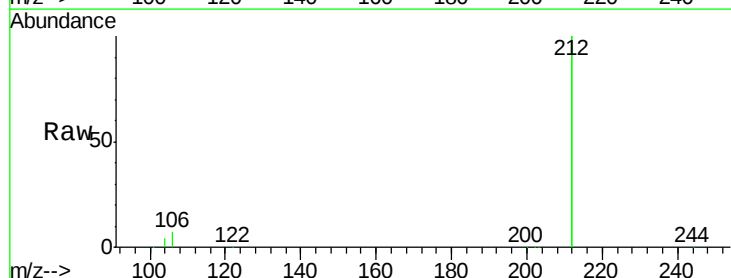
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW05I-20171130

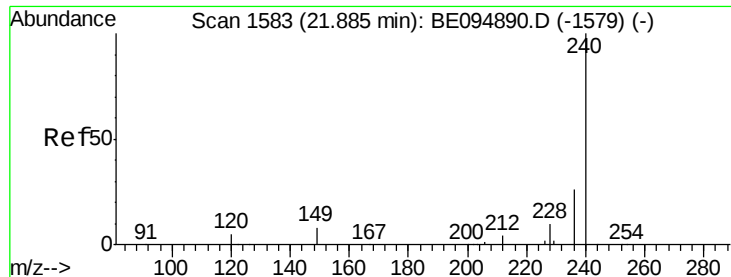
Tot Ion:266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 264 82.0 72.5 108.7
 268 91.8 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.399 ng
 RT: 19.75 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE094937.D
 Acq: 6 Dec 2017 4:34

Tgt Ion:212 Resp: 145041
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.0 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW051-20171130

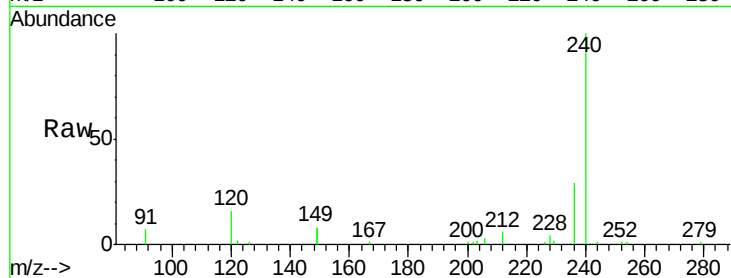
Tot Ion:240 Resp: 28217

Ion Ratio Lower Upper

240 100

120 16.2 5.5 8.3#

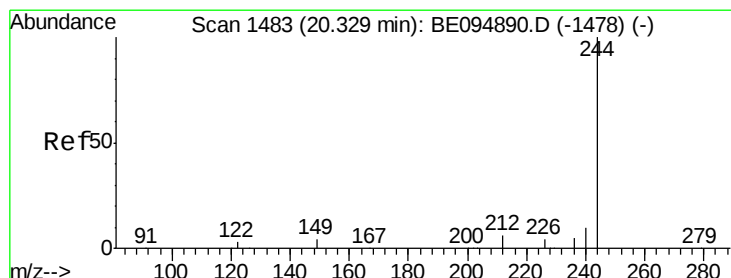
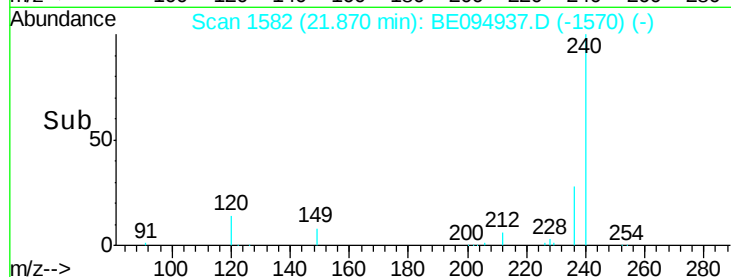
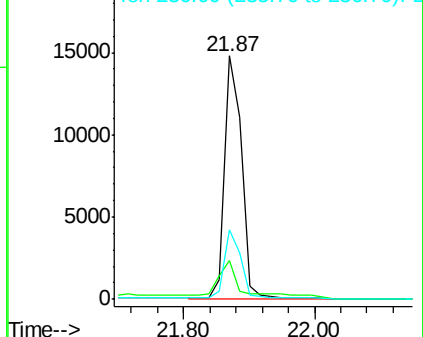
236 28.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.759 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

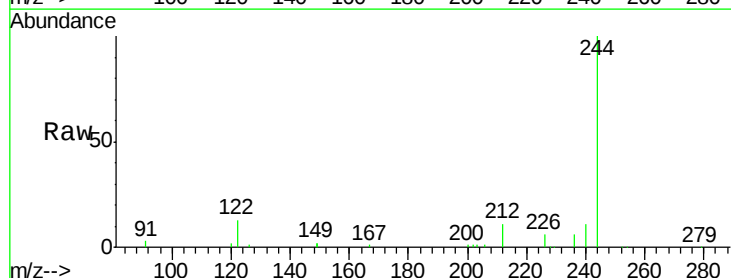
Tgt Ion:244 Resp: 39559

Ion Ratio Lower Upper

244 100

212 10.8 25.4 38.0#

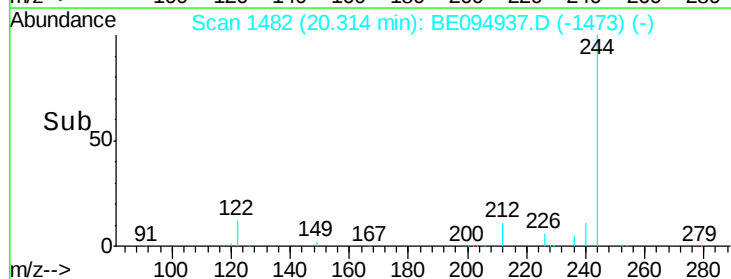
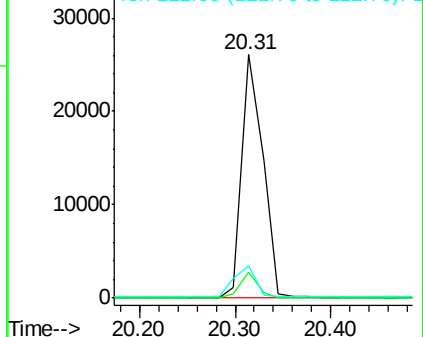
122 13.3 8.1 12.1#

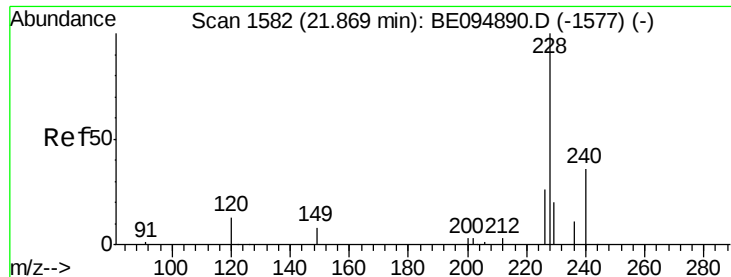


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

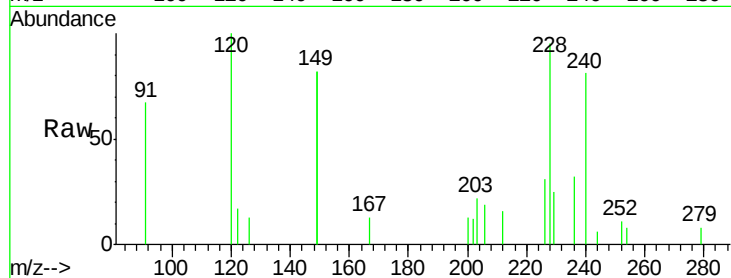
Tot Ion:228 Resp: 1936

Ion Ratio Lower Upper

228 100

226 32.9 40.0 60.0#

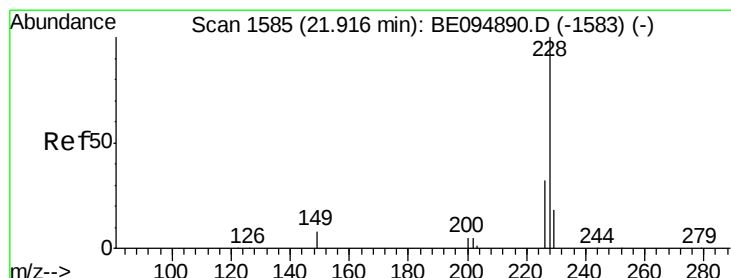
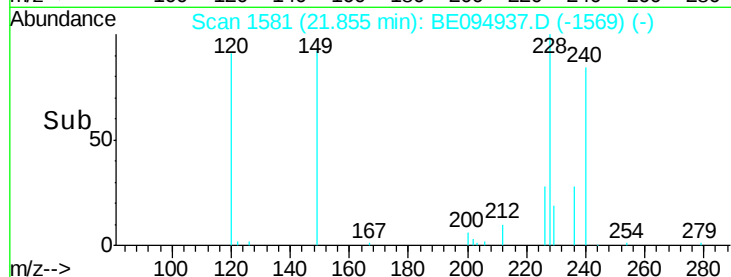
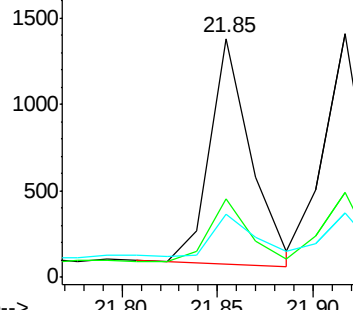
229 26.3 40.0 60.0#



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



#31

Chrysene

Concen: 0.027 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

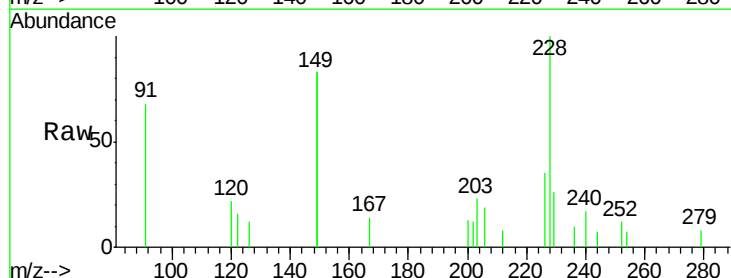
Tgt Ion:228 Resp: 2629

Ion Ratio Lower Upper

228 100

226 34.8 40.0 60.0#

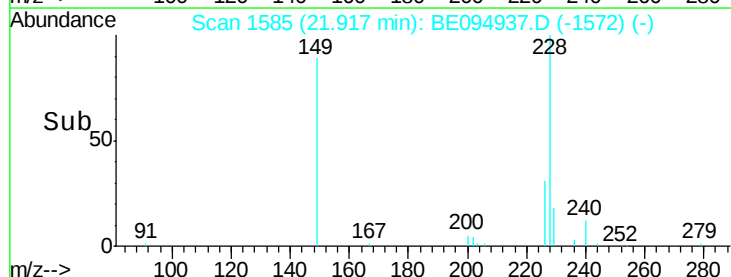
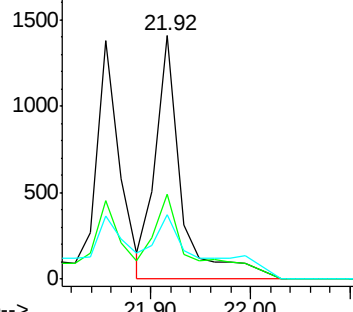
229 26.3 40.0 60.0#

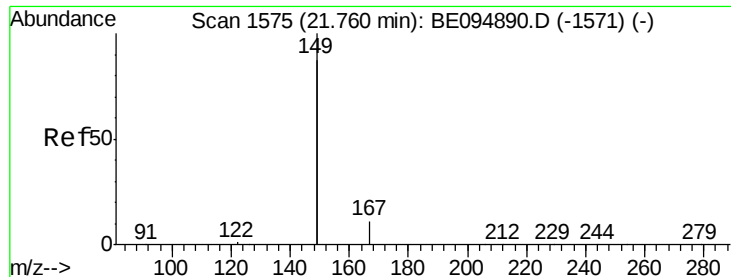


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

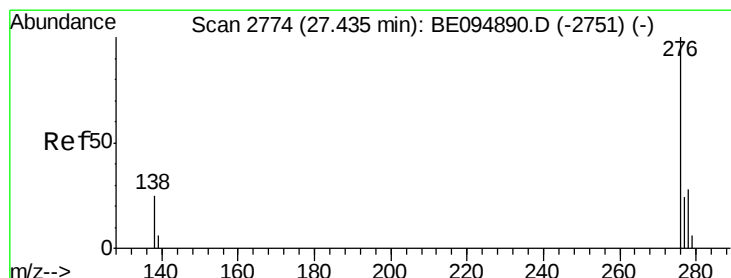
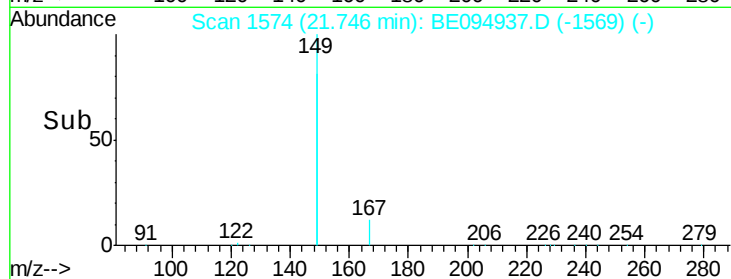
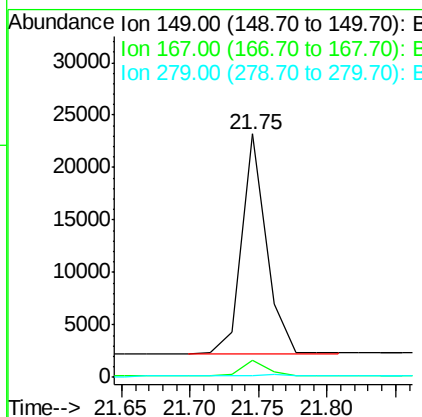
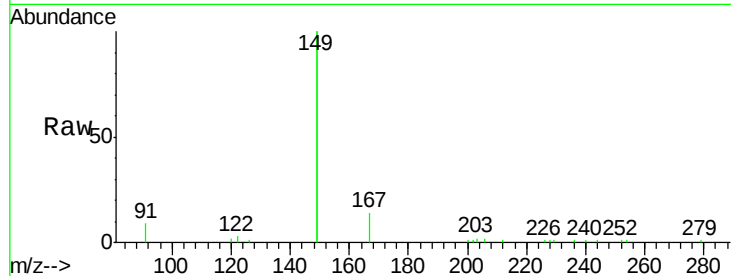




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.187 ng
 RT: 21.75 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BE094937.D
 Acq: 6 Dec 2017 4:34

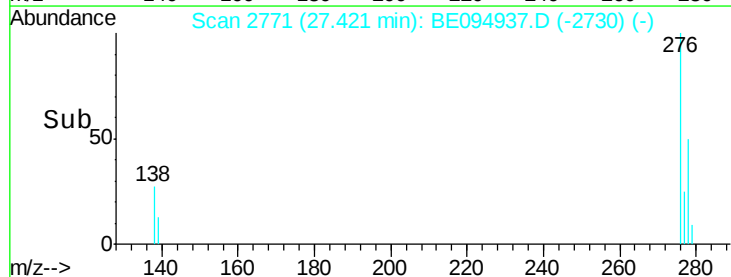
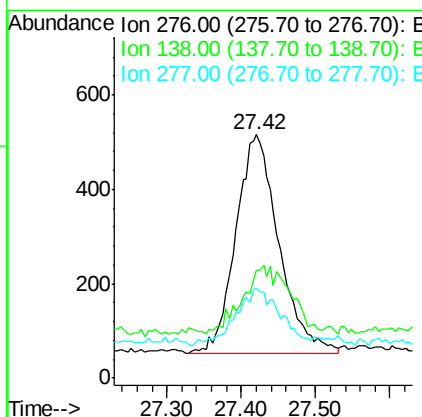
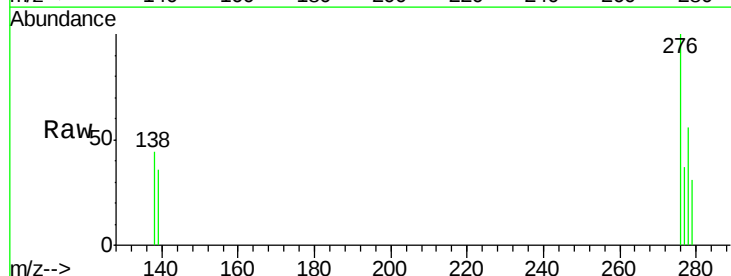
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW05I-20171130

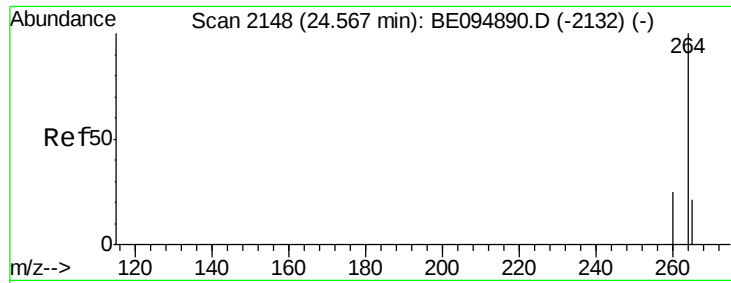
Tot Ion:149 Resp: 26762
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 0.8 0.7 1.1



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.024 ng
 RT: 27.42 min Scan# 2771
 Delta R.T. -0.01 min
 Lab File: BE094937.D
 Acq: 6 Dec 2017 4:34

Tgt Ion:276 Resp: 1857
 Ion Ratio Lower Upper
 276 100
 138 22.0 22.5 33.7#
 277 23.9 19.9 29.9

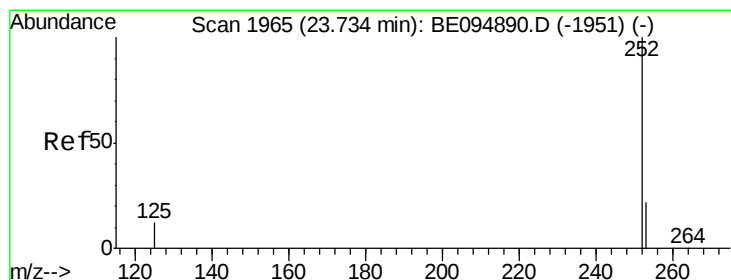
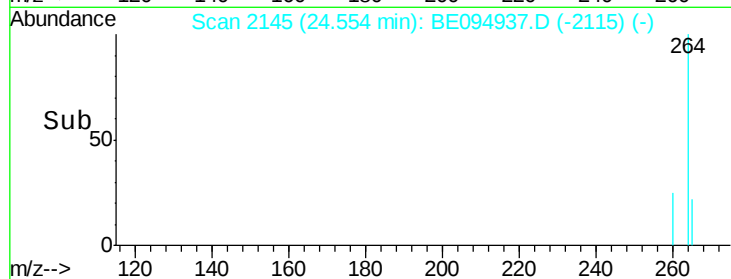
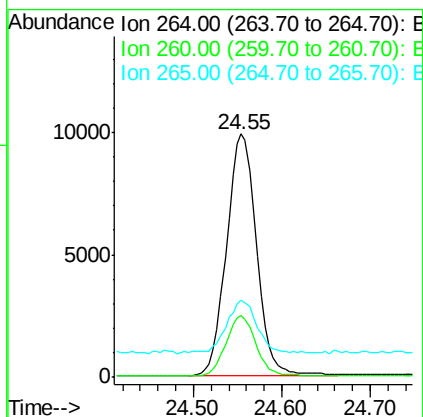
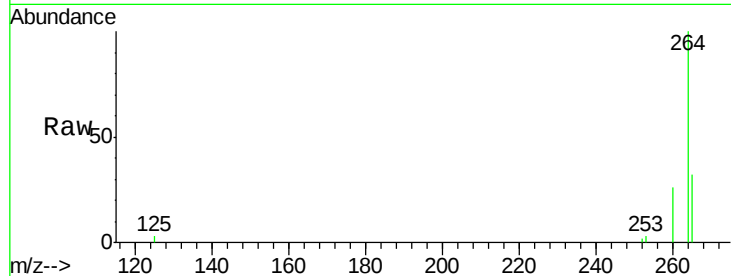




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

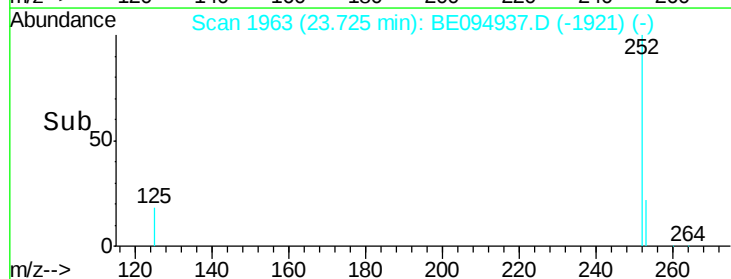
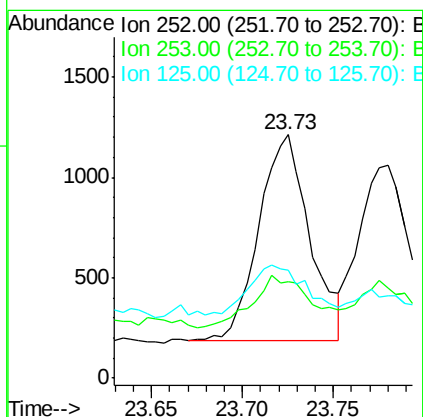
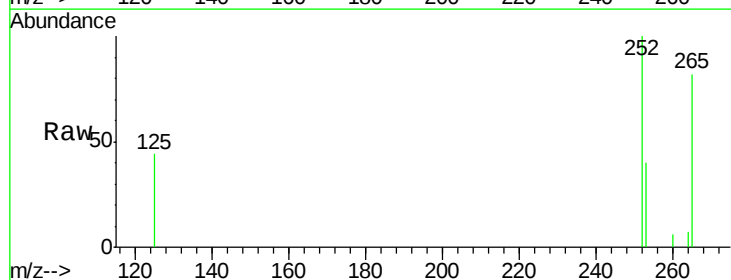
Instrument :
BNA_E
ClientSampleId :
FT-MW05I-20171130

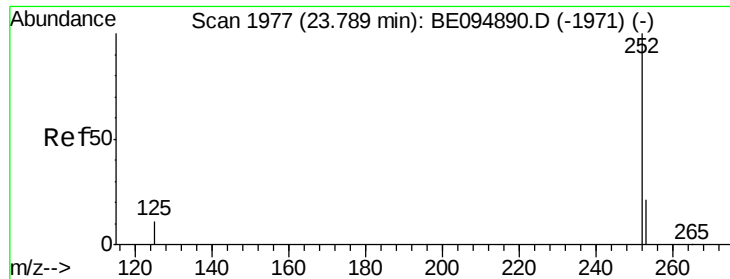
Tot Ion:264 Resp: 23075
Ion Ratio Lower Upper
264 100
260 25.7 20.5 30.7
265 31.5 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 23.73 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BE094937.D
Acq: 6 Dec 2017 4:34

Tgt Ion:252 Resp: 1992
Ion Ratio Lower Upper
252 100
253 39.8 48.0 72.0#
125 44.4 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 23.78 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

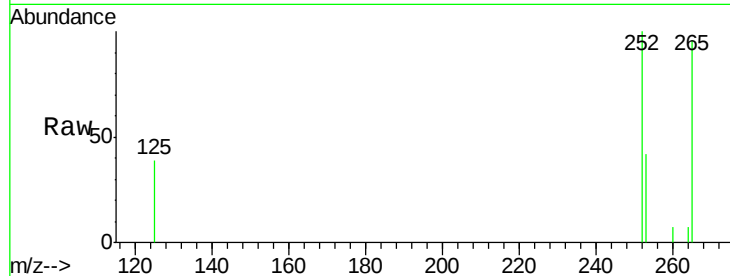
Tot Ion:252 Resp: 1731

Ion Ratio Lower Upper

252 100

253 42.5 48.0 72.0#

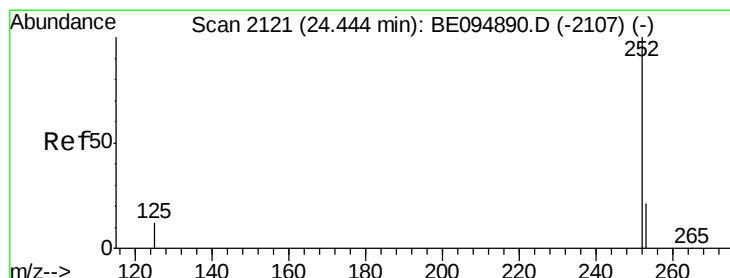
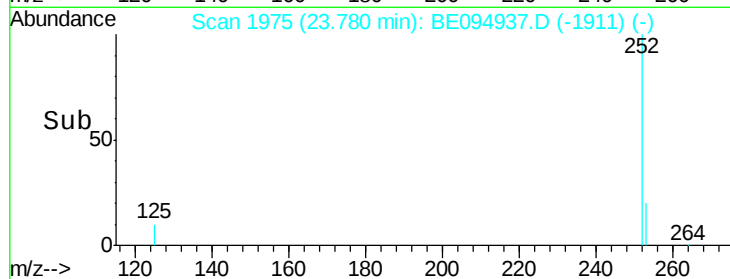
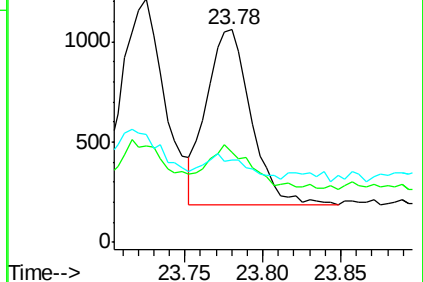
125 38.8 56.0 84.0#



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



#37

Benzo(a)pyrene

Concen: 0.020 ng

RT: 24.43 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

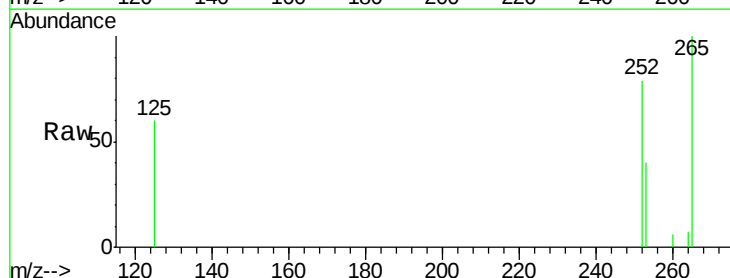
Tgt Ion:252 Resp: 1492

Ion Ratio Lower Upper

252 100

253 51.1 52.0 78.0#

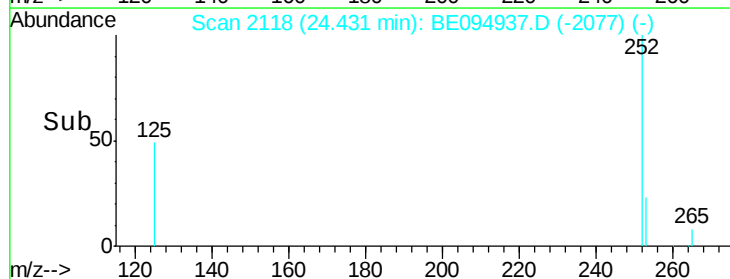
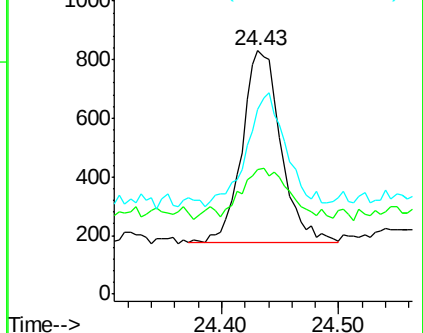
125 75.8 68.0 102.0

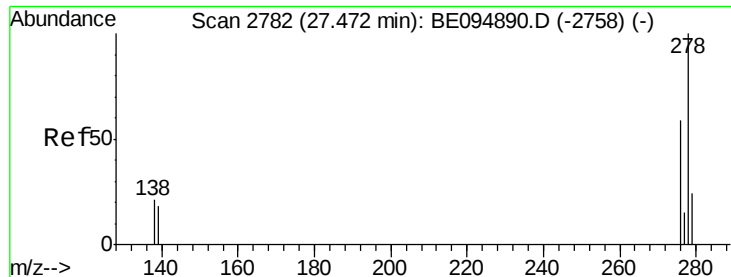


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.023 ng

RT: 27.45 min Scan# 2777

Delta R.T. -0.02 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

Instrument :

BNA_E

ClientSampleId :

FT-MW05I-20171130

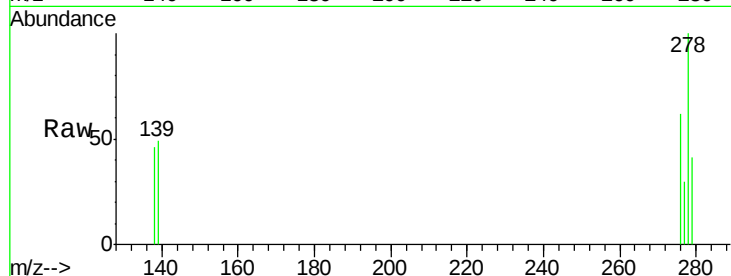
Tot Ion:278 Resp: 1539

Ion Ratio Lower Upper

278 100

139 49.3 56.0 84.0#

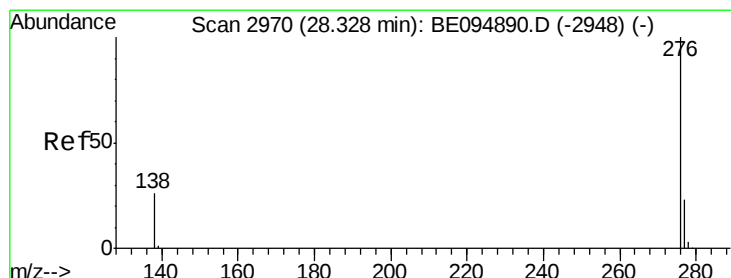
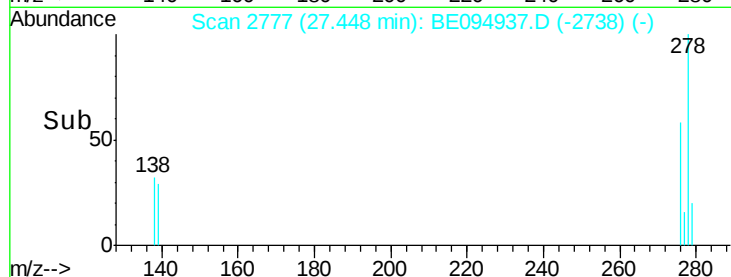
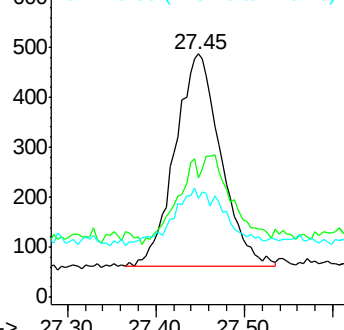
279 40.7 52.0 78.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 28.30 min Scan# 2964

Delta R.T. -0.03 min

Lab File: BE094937.D

Acq: 6 Dec 2017 4:34

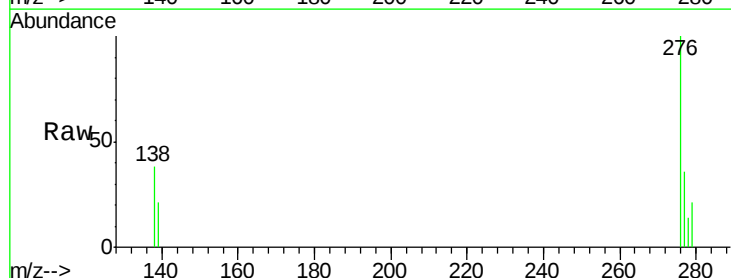
Tgt Ion:276 Resp: 1859

Ion Ratio Lower Upper

276 100

277 35.7 52.0 78.0#

138 38.5 44.0 66.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

