

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094935.D
 Acq On : 6 Dec 2017 3:22
 Operator : SJ/JU
 Sample : I6698-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW09I-20171130

Quant Time: Dec 06 04:07:47 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	8716	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18754	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	11012	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	27563	0.40	ng	0.00
27) Chrysene-d12	21.87	240	29860	0.40	ng	-0.02
34) Perylene-d12	24.56	264	23963	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2523	0.18	ng	0.00
5) Phenol-d6	7.60	99	2385	0.12	ng	0.01
8) Nitrobenzene-d5	9.67	82	5864	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	12230	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1259	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	19677	0.42	ng	0.00
25) Fluoranthene-d10	19.75	212	149134	0.40	ng	0.00
29) Terphenyl-d14	20.31	244	28348	0.51	ng	-0.02

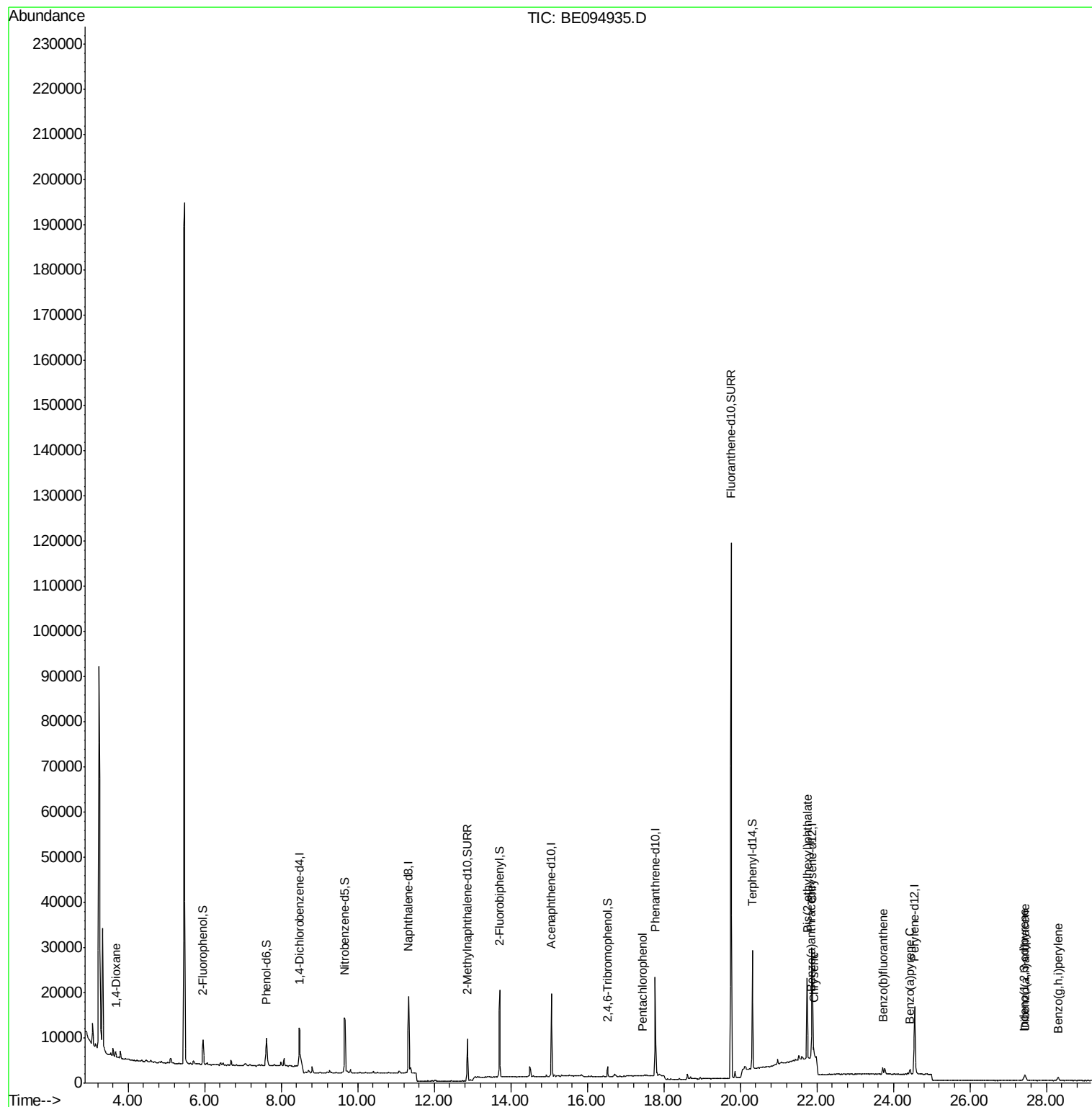
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.68	88	1105	0.121	ng	# 83
22) Pentachlorophenol	17.43	266	20	0.137	ng	# 98
30) Benzo(a)anthracene	21.85	228	1984	0.022	ng	# 70
31) Chrysene	21.92	228	2622	0.026	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.74	149	21879	0.144	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.42	276	1779	0.021	ng	# 75
35) Benzo(b)fluoranthene	23.72	252	2121	0.024	ng	# 71
37) Benzo(a)pyrene	24.43	252	1594	0.021	ng	# 76
38) Dibenzo(a,h)anthracene	27.45	278	1562	0.022	ng	# 73
39) Benzo(a,h,i)perylene	28.31	276	1814	0.026	ng	# 70

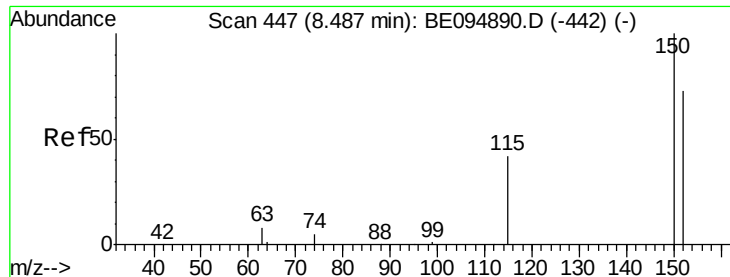
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

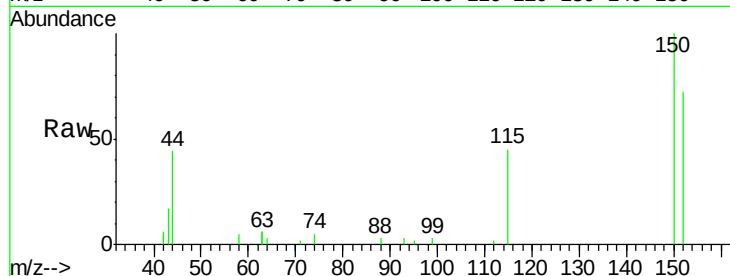
Tot Ion:152 Resp: 8716

Ion Ratio Lower Upper

152 100

150 139.6 117.2 175.8

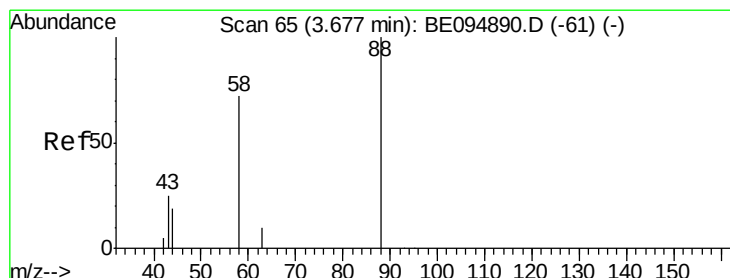
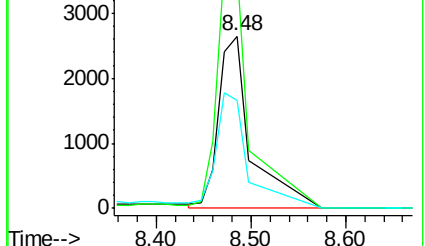
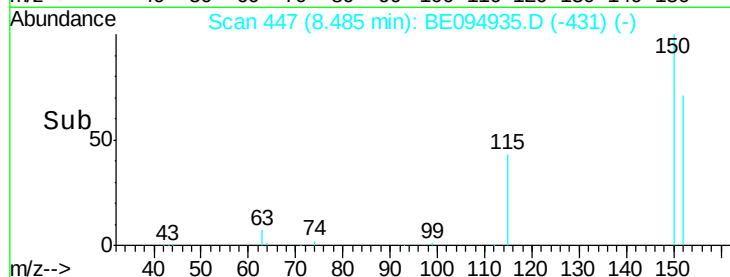
115 62.6 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.121 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

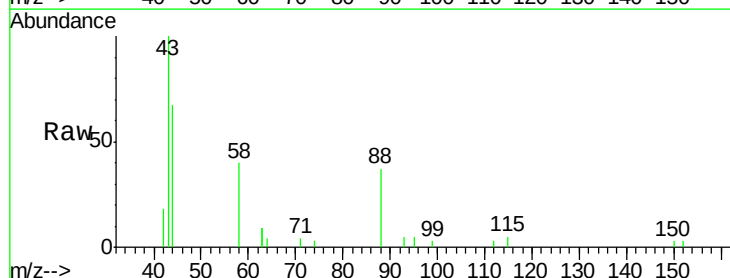
Tgt Ion: 88 Resp: 1105

Ion Ratio Lower Upper

88 100

58 81.1 63.2 94.8

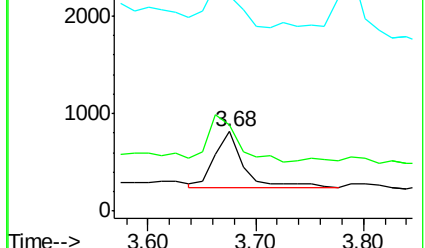
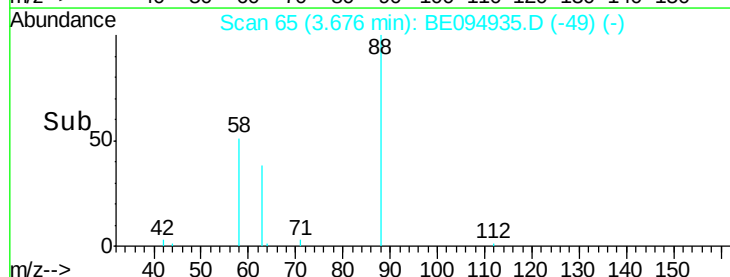
43 79.5 41.2 61.8#

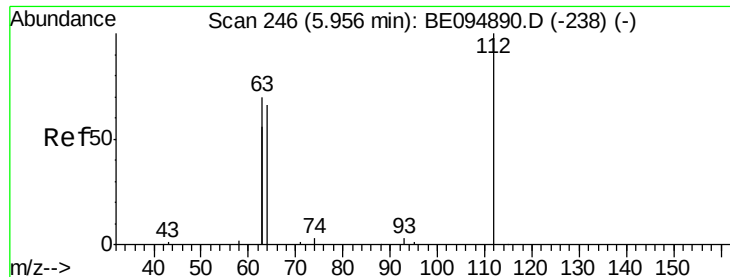


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.183 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

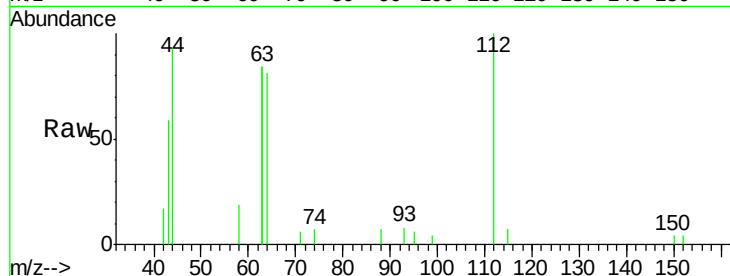
Tot Ion:112 Resp: 2523

Ion Ratio Lower Upper

112 100

64 77.6 60.1 90.1

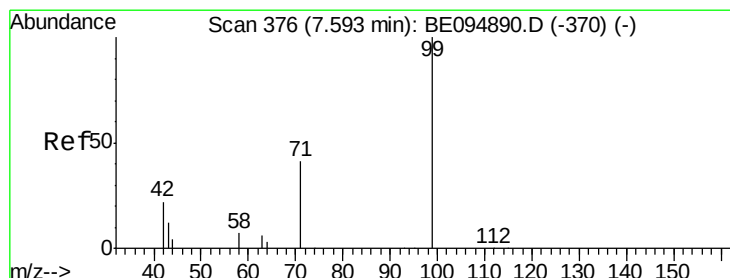
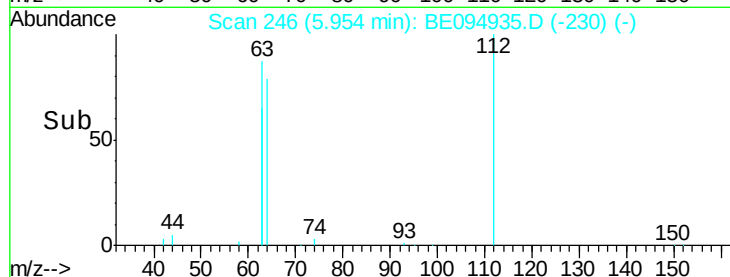
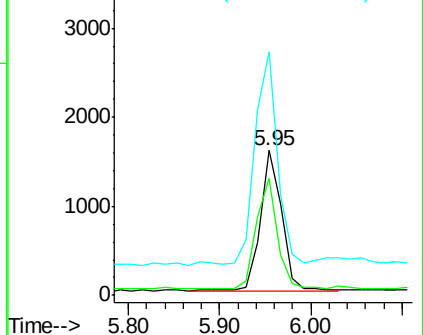
63 166.6 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.117 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

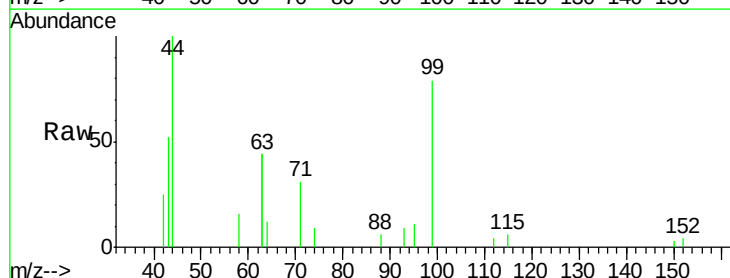
Tgt Ion: 99 Resp: 2385

Ion Ratio Lower Upper

99 100

42 39.8 20.2 30.2#

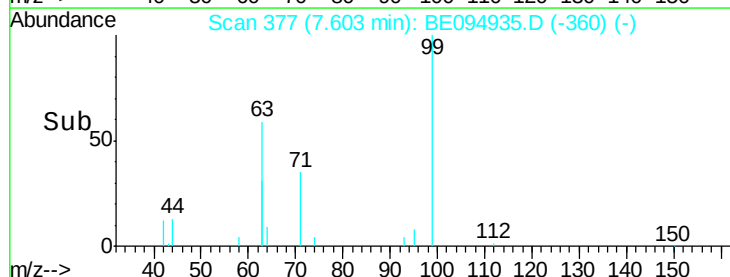
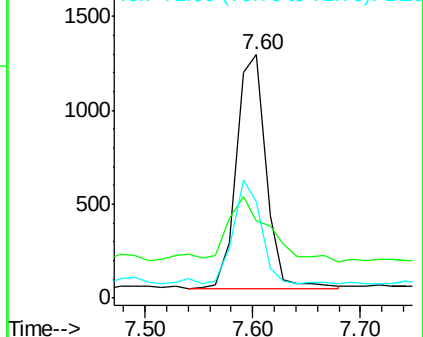
71 43.4 28.4 42.6#

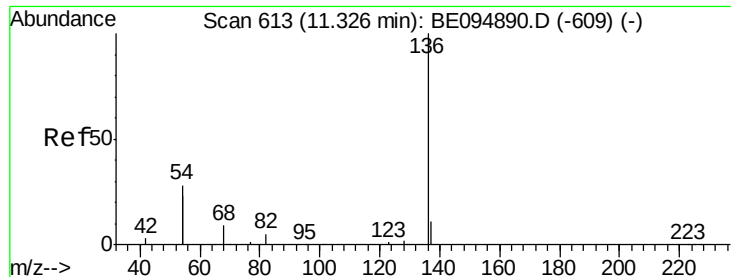


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

Tot Ion:136 Resp: 18754

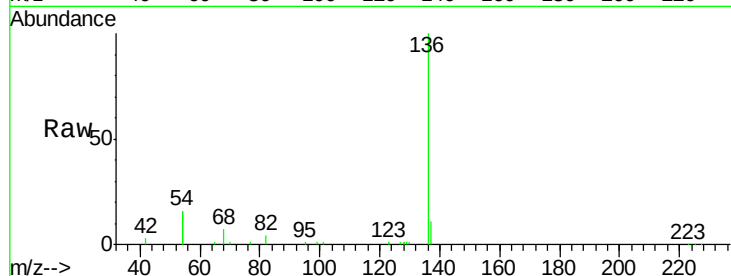
Ion Ratio Lower Upper

136 100

137 10.9 9.5 14.3

54 32.1 29.1 43.7

68 6.9 6.2 9.2

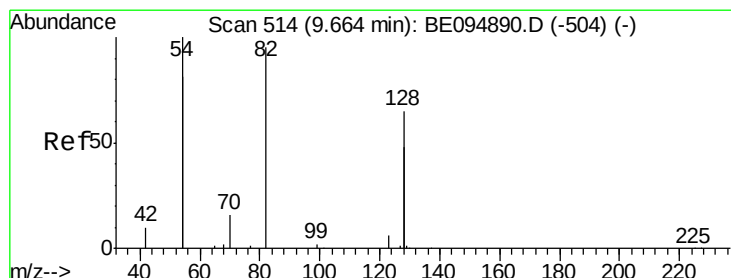
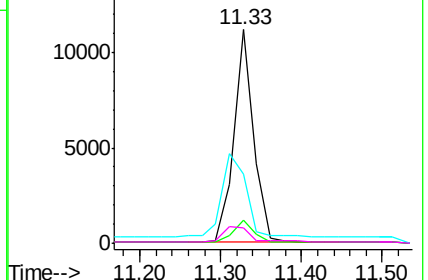
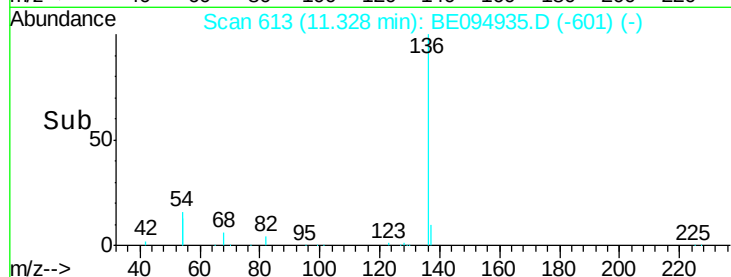


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.528 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

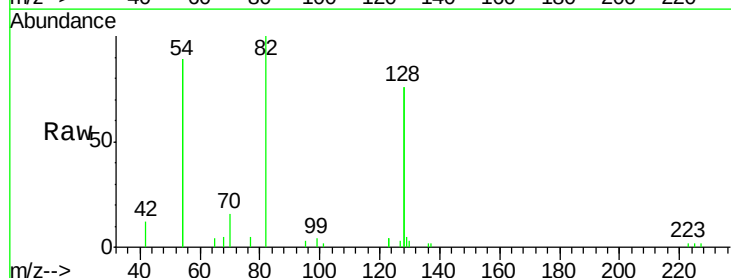
Tgt Ion: 82 Resp: 5864

Ion Ratio Lower Upper

82 100

128 152.6 150.0 225.0

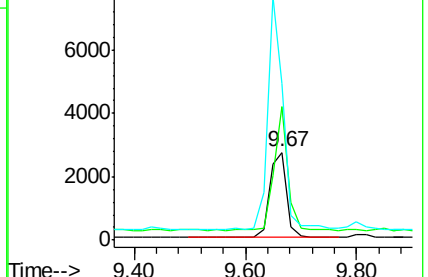
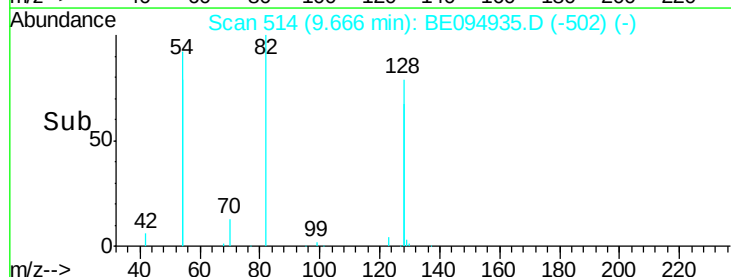
54 178.2 154.2 231.4

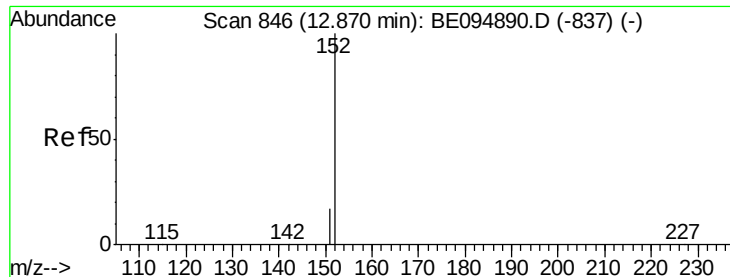


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

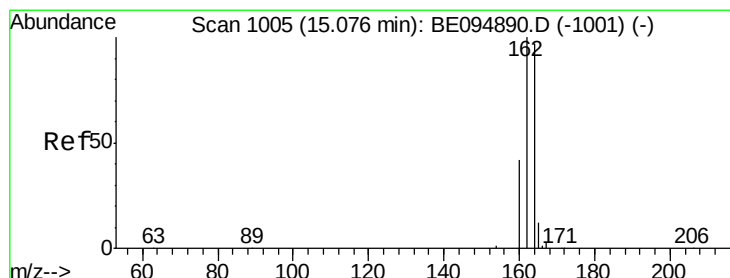
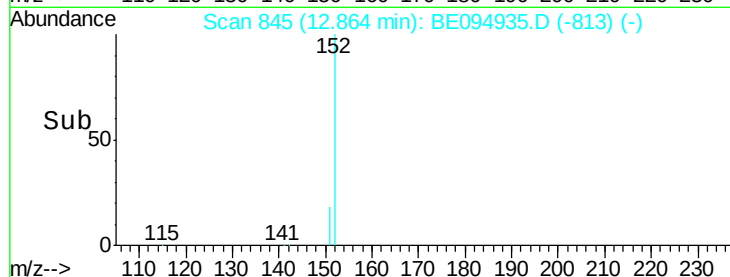
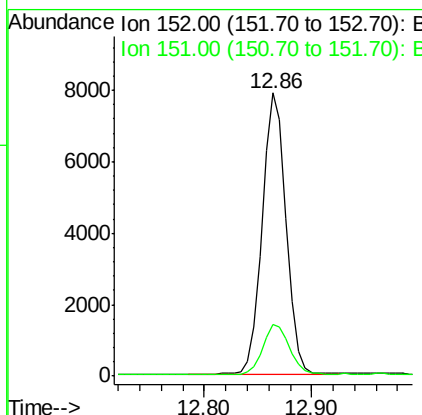
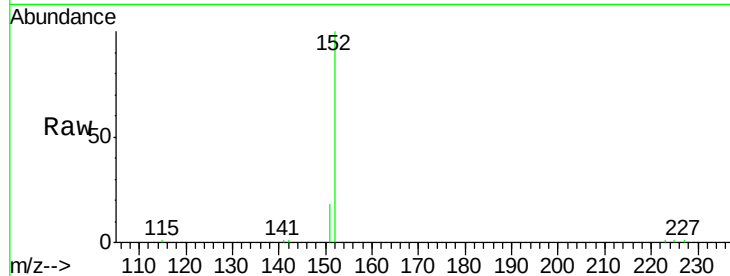




#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE094935.D
Acq: 6 Dec 2017 3:22

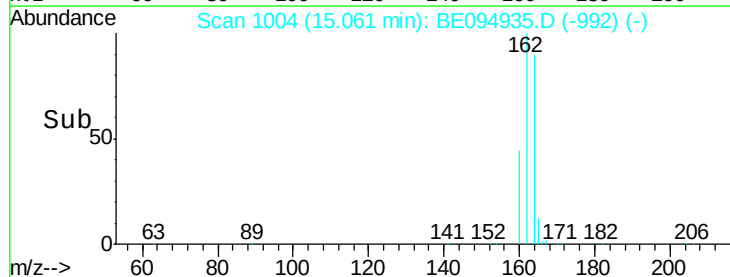
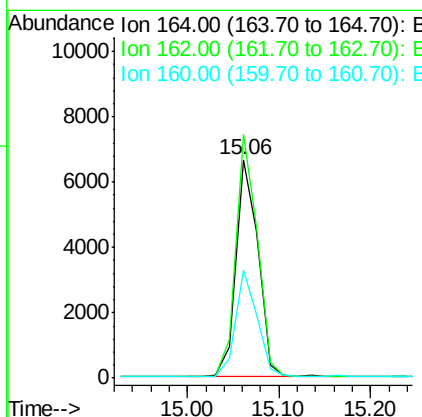
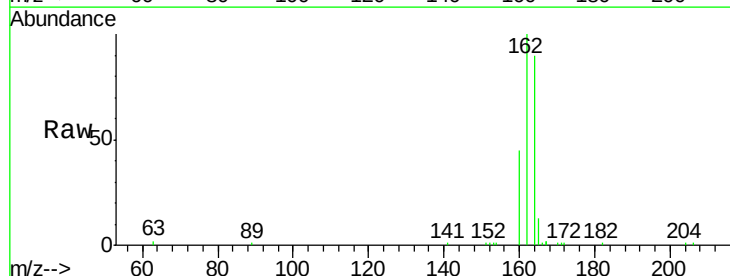
Instrument :
BNA_E
ClientSampleId :
FT-MW09I-20171130

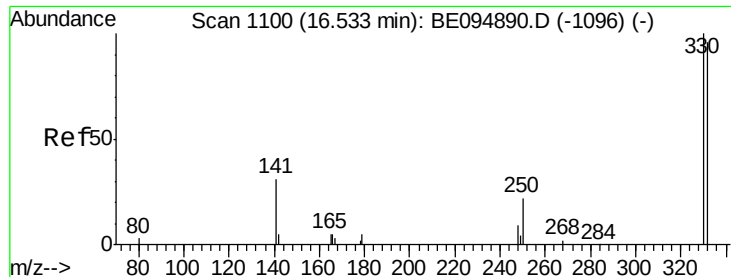
Tot Ion:152 Resp: 12230
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE094935.D
Acq: 6 Dec 2017 3:22

Tgt Ion:164 Resp: 11012
Ion Ratio Lower Upper
164 100
162 111.5 83.1 124.7
160 49.7 37.1 55.7

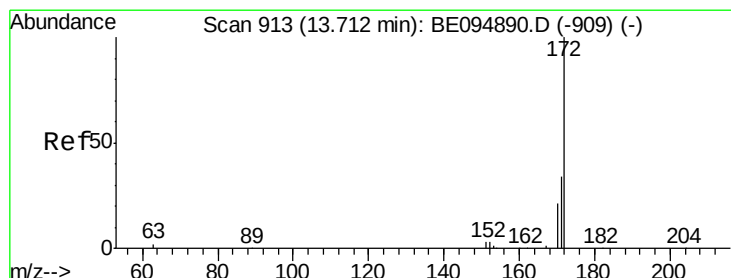
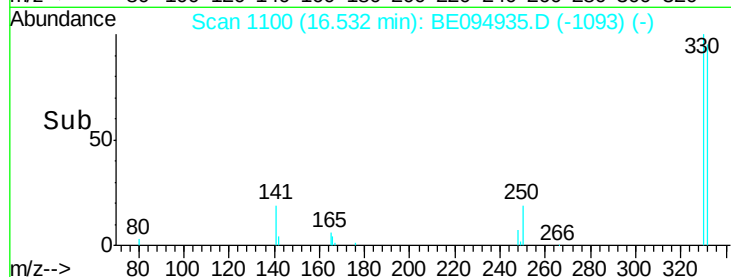
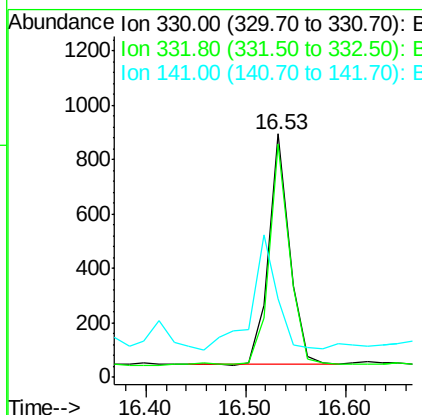
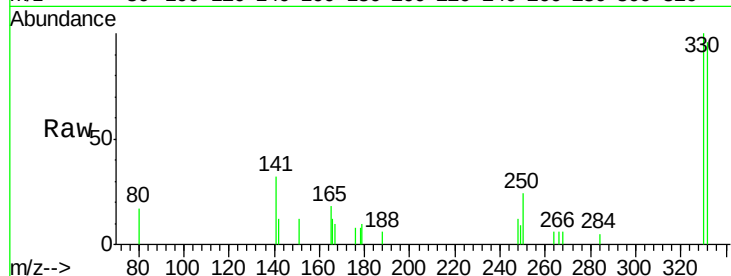




#14
 2,4,6-Tribromophenol
 Concen: 0.525 ng
 RT: 16.53 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: BE094935.D
 Acq: 6 Dec 2017 3:22

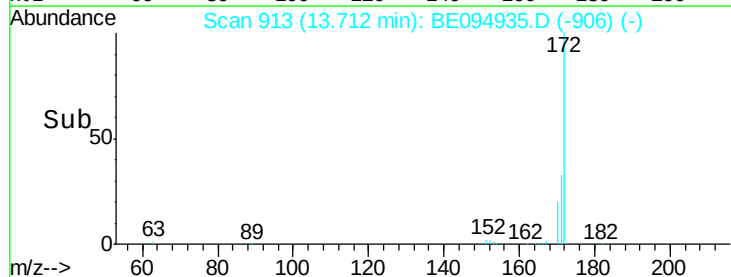
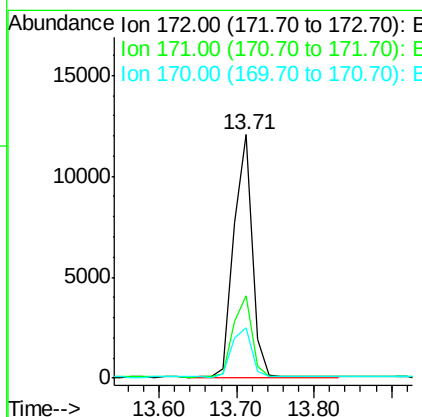
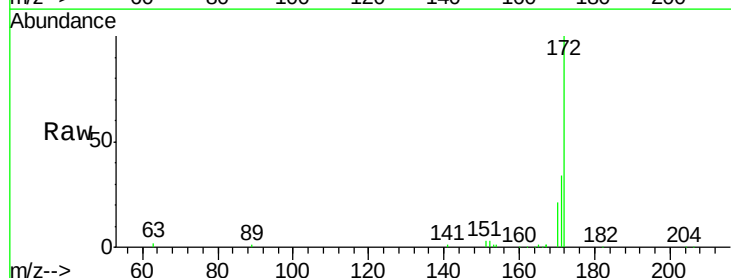
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW09I-20171130

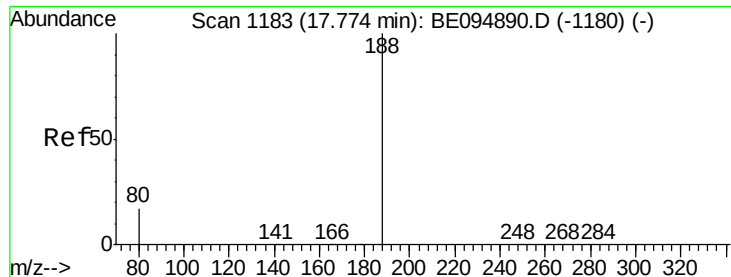
Tot Ion:330 Resp: 1259
 Ion Ratio Lower Upper
 330 100
 332 93.1 152.7 229.1#
 141 59.2 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.417 ng
 RT: 13.71 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BE094935.D
 Acq: 6 Dec 2017 3:22

Tgt Ion:172 Resp: 19677
 Ion Ratio Lower Upper
 172 100
 171 33.7 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: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

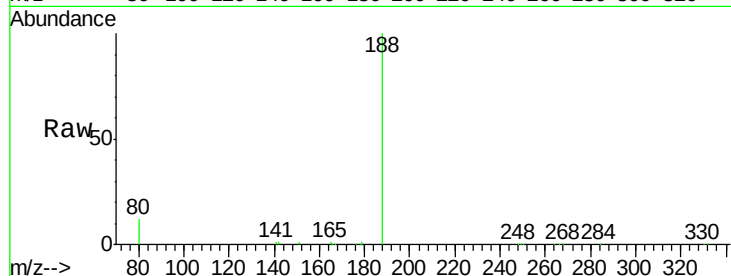
Tot Ion:188 Resp: 27563

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

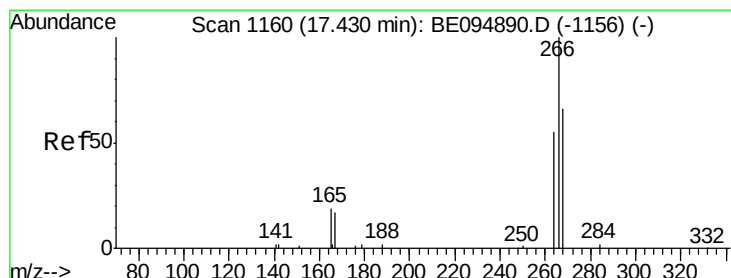
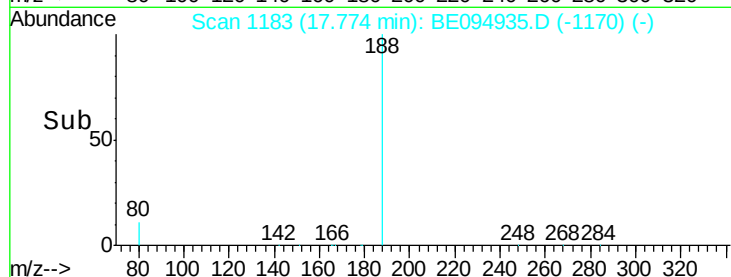
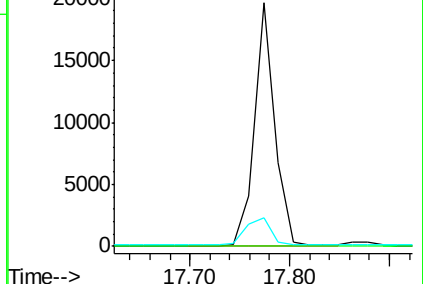
80 11.9 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.137 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

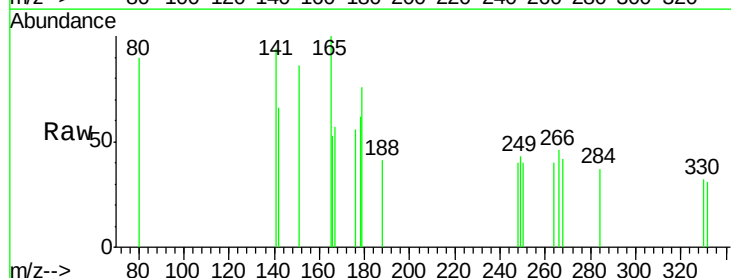
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

264 87.9 72.5 108.7

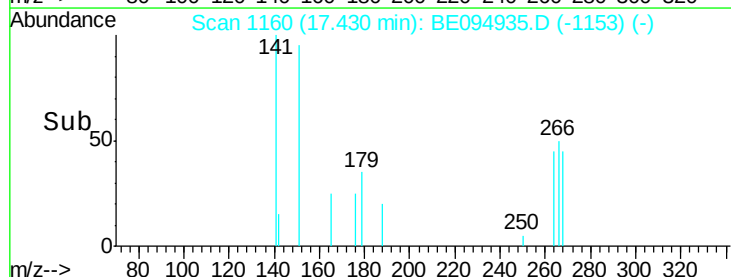
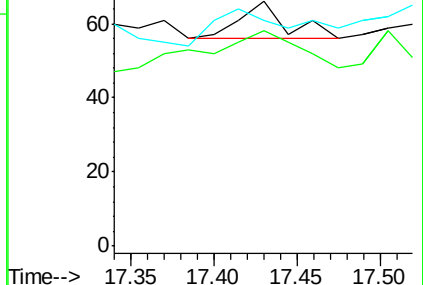
268 92.4 73.8 110.6

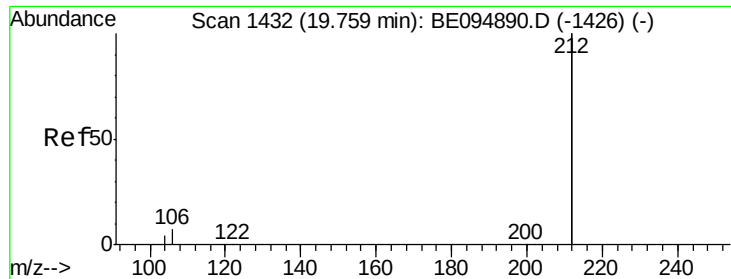


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.396 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

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ClientSampleId :

FT-MW09I-20171130

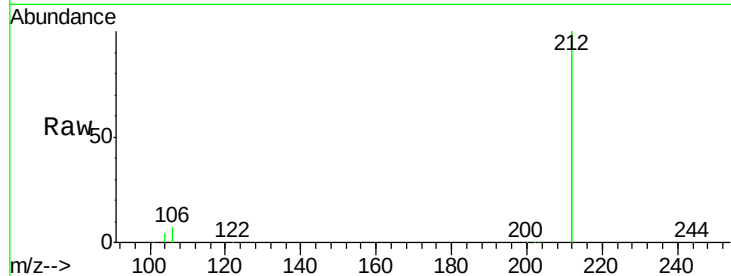
Tot Ion:212 Resp: 149134

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

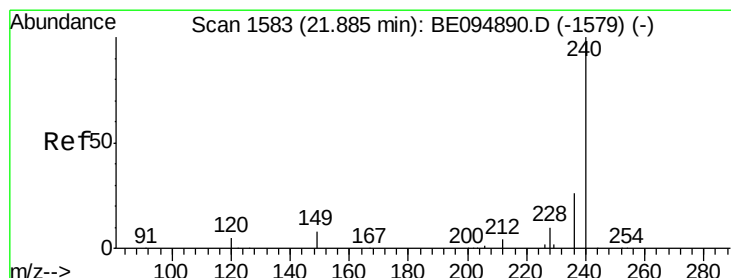
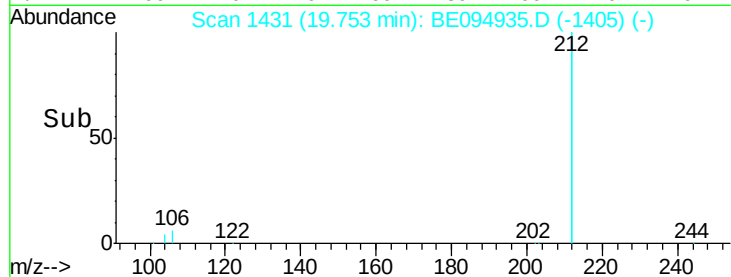
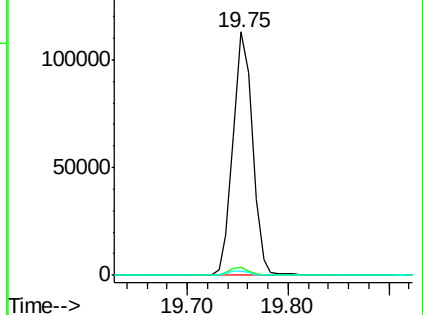
104 2.0 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

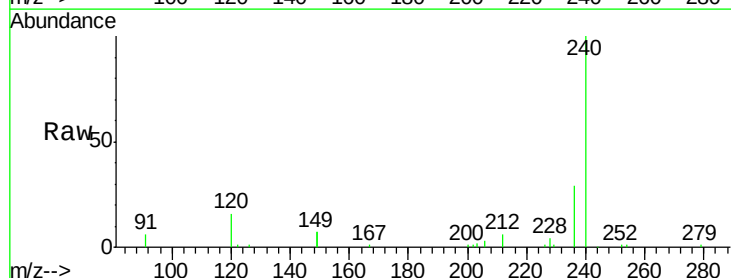
Tgt Ion:240 Resp: 29860

Ion Ratio Lower Upper

240 100

120 15.5 5.5 8.3#

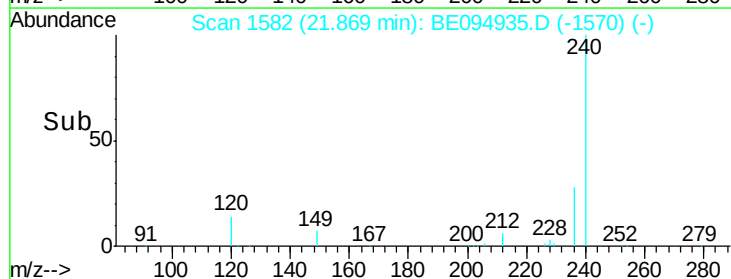
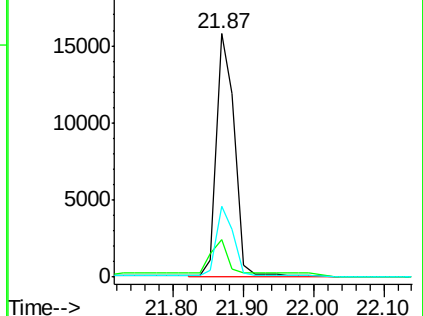
236 28.9 20.7 31.1

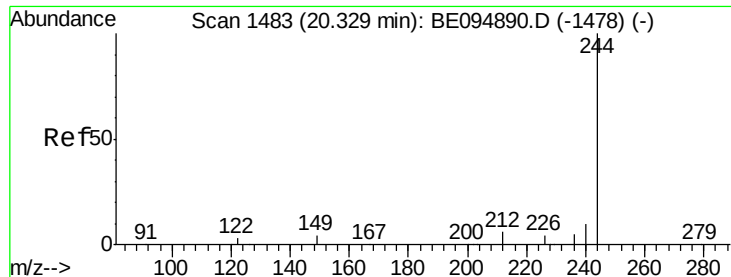


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.514 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

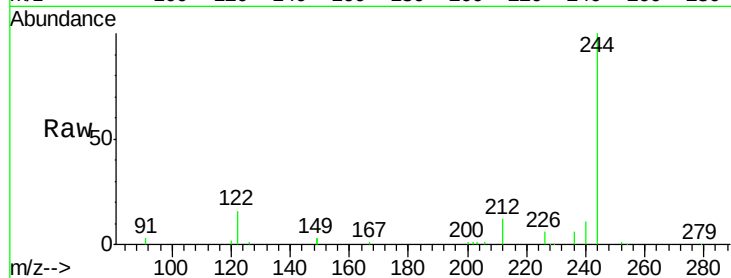
Tot Ion:244 Resp: 28348

Ion Ratio Lower Upper

244 100

212 11.9 25.4 38.0#

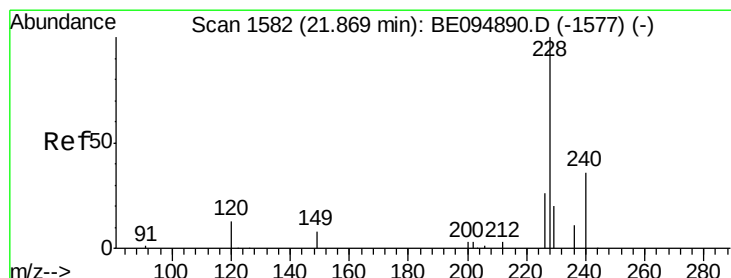
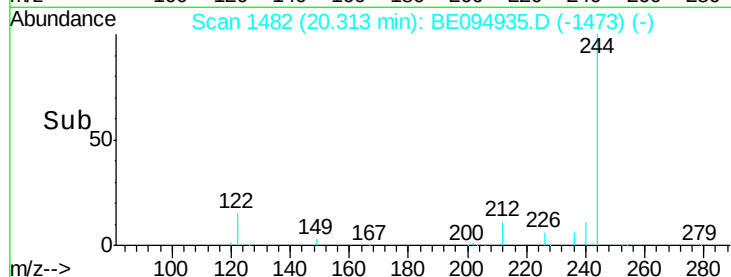
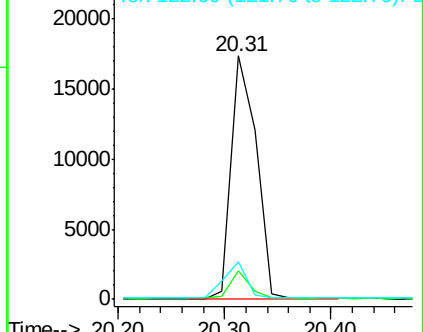
122 15.5 8.1 12.1#



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. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

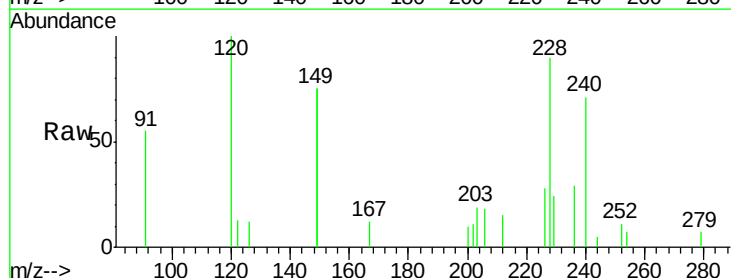
Tgt Ion:228 Resp: 1984

Ion Ratio Lower Upper

228 100

226 31.4 40.0 60.0#

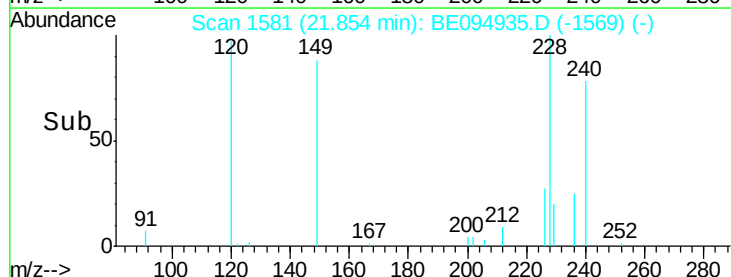
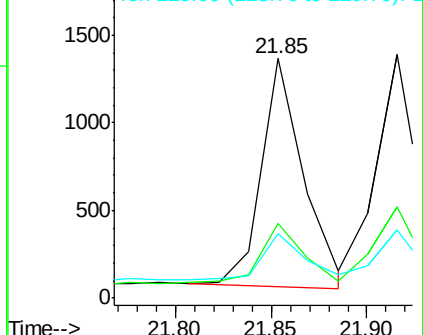
229 26.6 40.0 60.0#

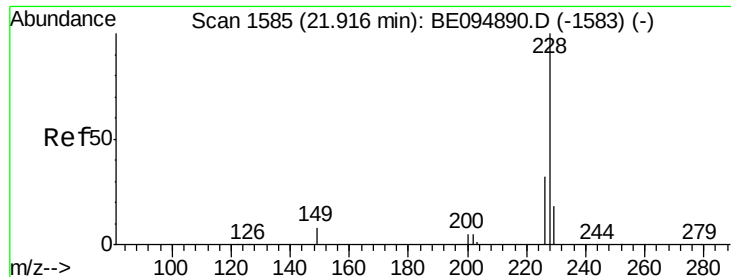


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.026 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

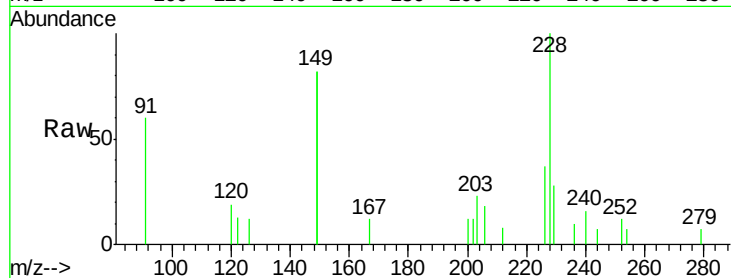
Tot Ion:228 Resp: 2622

Ion Ratio Lower Upper

228 100

226 37.4 40.0 60.0#

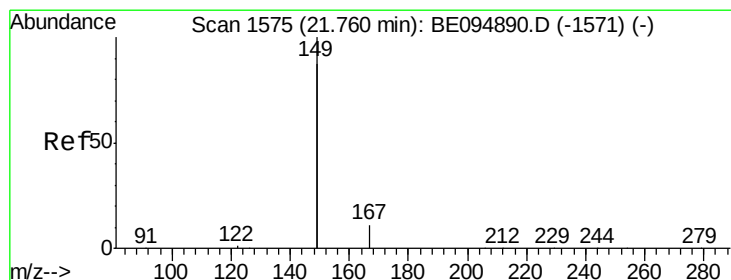
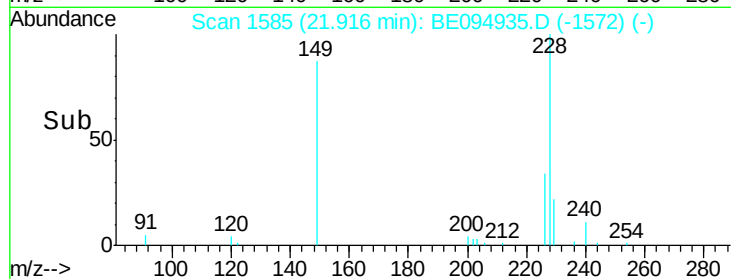
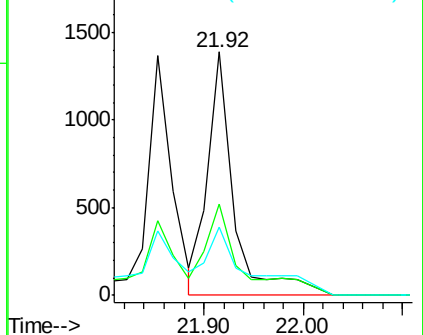
229 27.8 40.0 60.0#



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: 0.144 ng

RT: 21.74 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

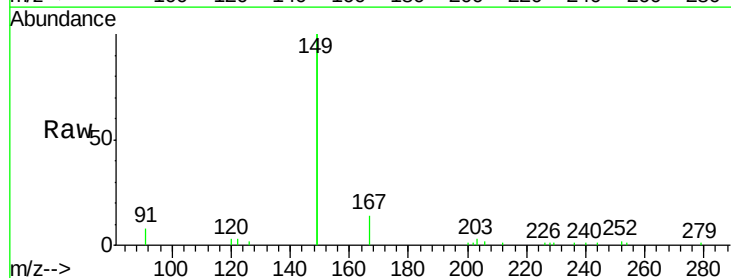
Tgt Ion:149 Resp: 21879

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

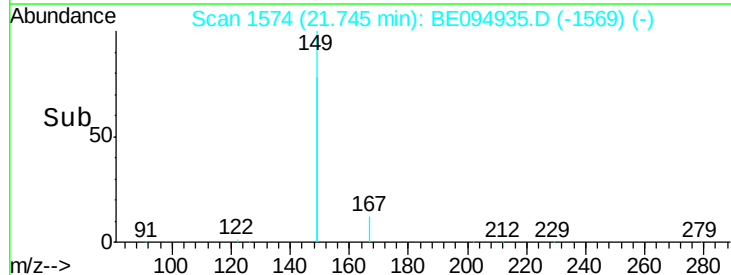
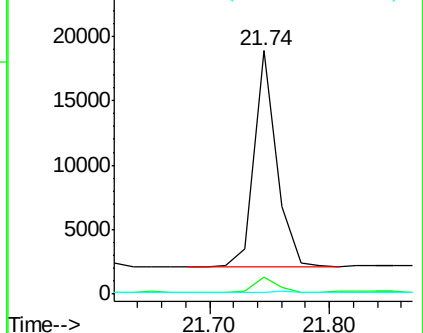
279 0.9 0.7 1.1

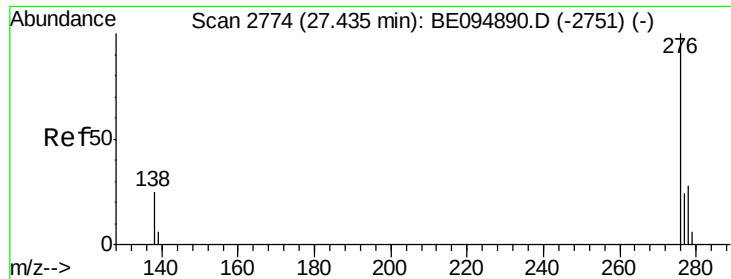


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng

RT: 27.42 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

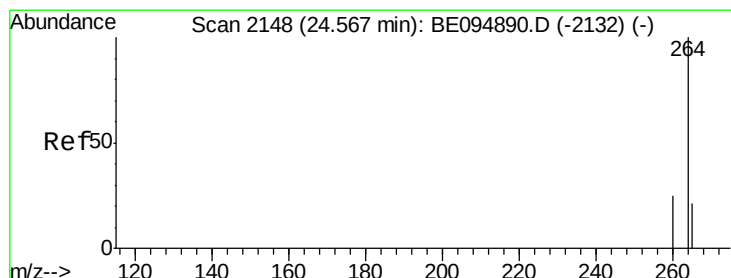
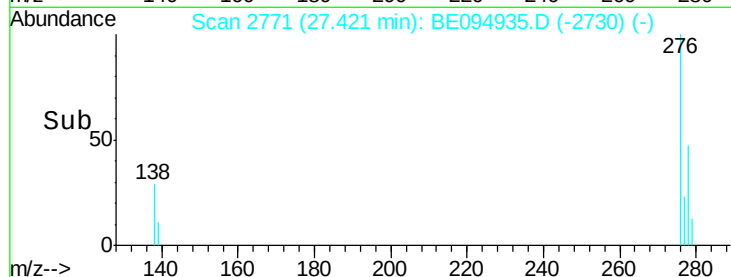
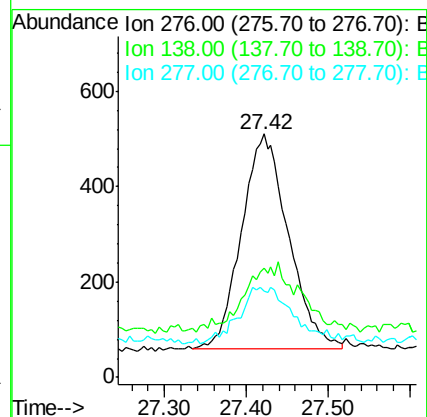
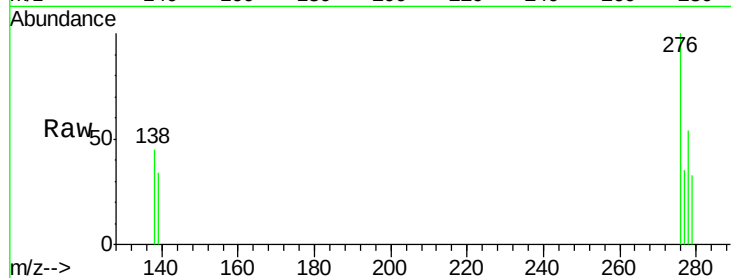
Tot Ion:276 Resp: 1779

Ion Ratio Lower Upper

276 100

138 11.7 22.5 33.7#

277 15.9 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.56 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

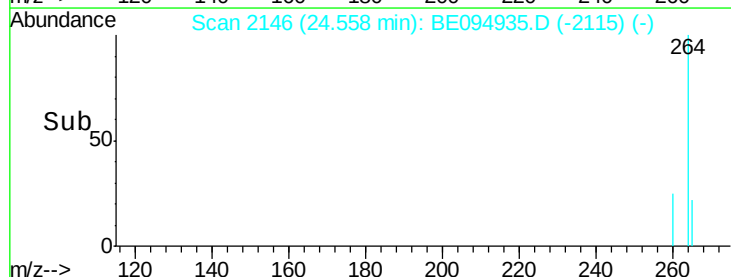
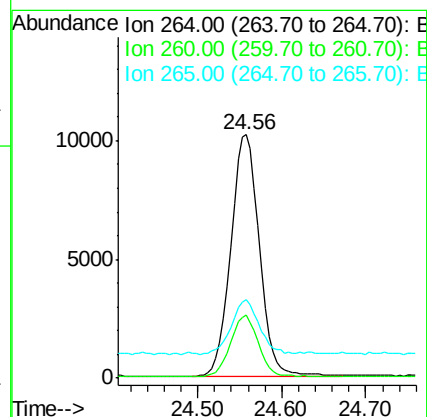
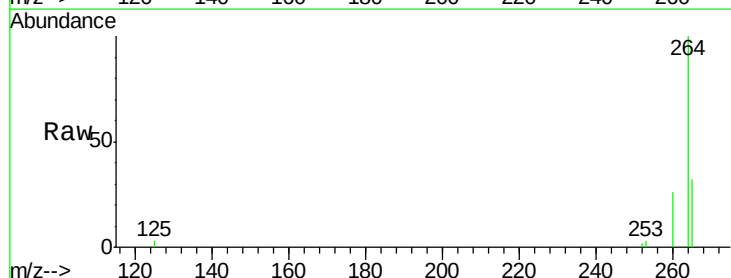
Tgt Ion:264 Resp: 23963

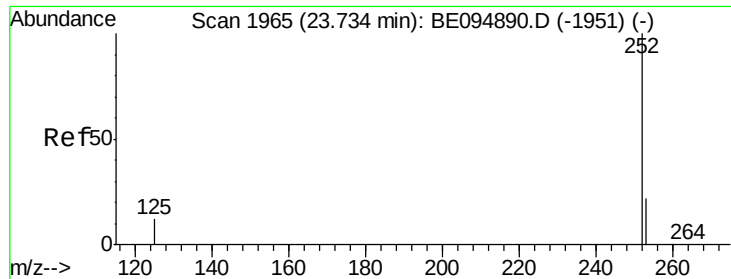
Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 32.1 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 23.72 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

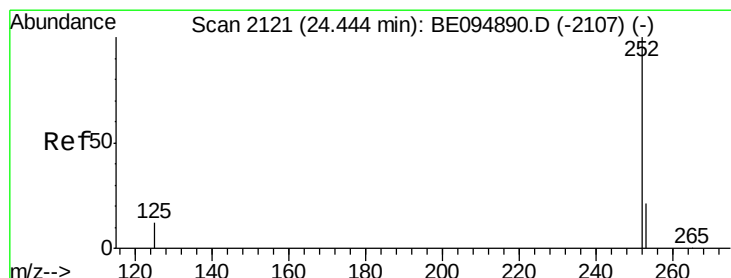
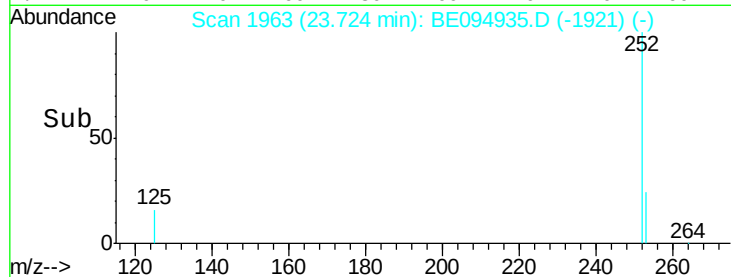
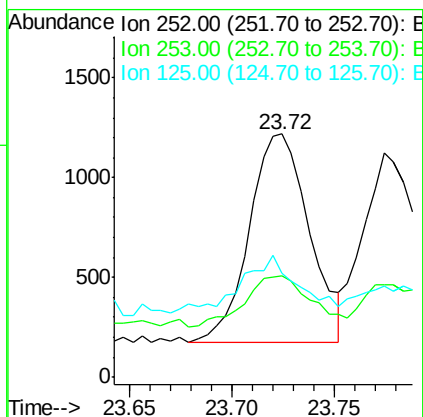
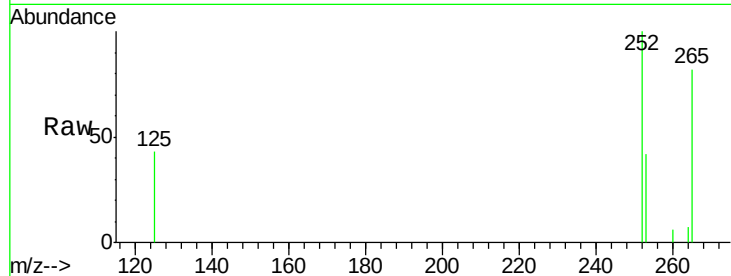
Tot Ion:252 Resp: 2121

Ion Ratio Lower Upper

252 100

253 41.8 48.0 72.0#

125 42.7 56.0 84.0#



#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 24.43 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

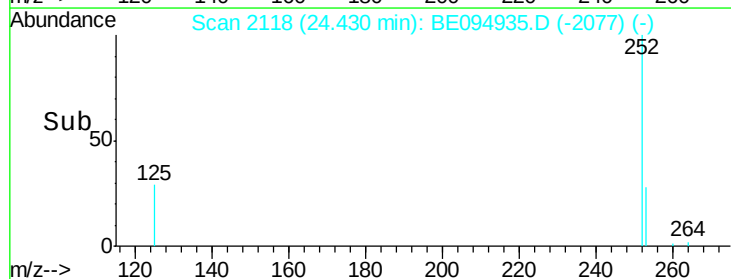
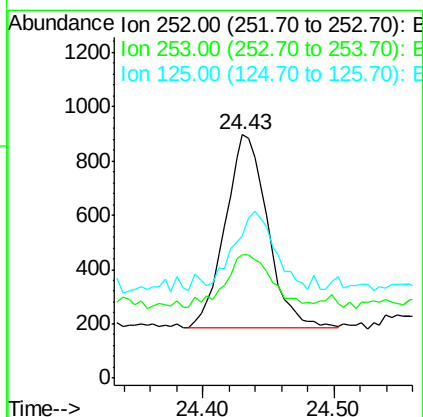
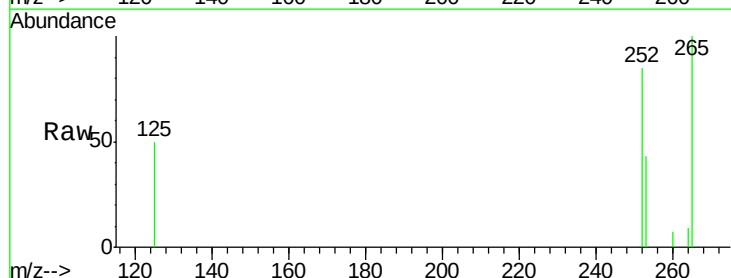
Tgt Ion:252 Resp: 1594

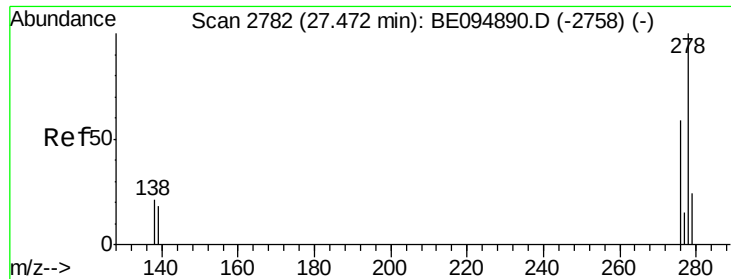
Ion Ratio Lower Upper

252 100

253 50.5 52.0 78.0#

125 58.8 68.0 102.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.022 ng

RT: 27.45 min Scan# 2777

Delta R.T. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

Instrument :

BNA_E

ClientSampleId :

FT-MW09I-20171130

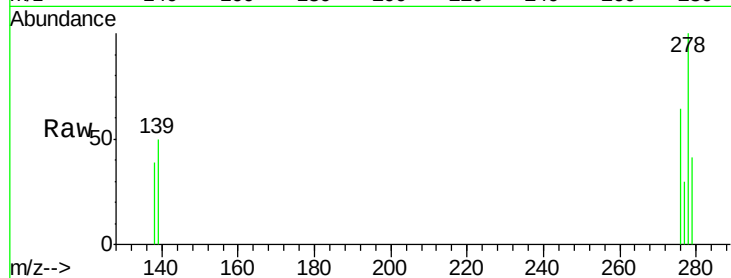
Tot Ion:278 Resp: 1562

Ion Ratio Lower Upper

278 100

139 50.5 56.0 84.0#

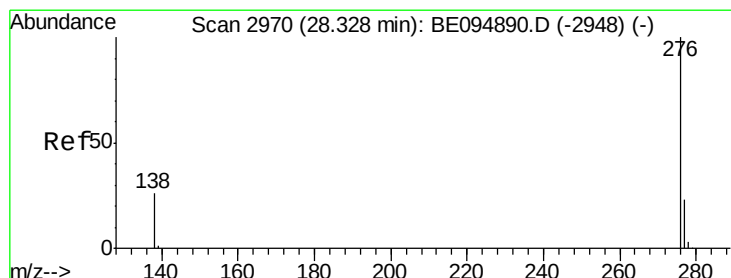
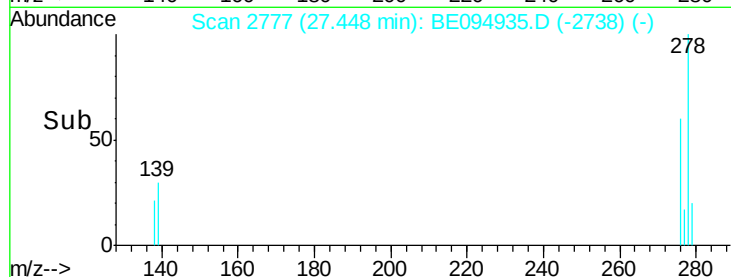
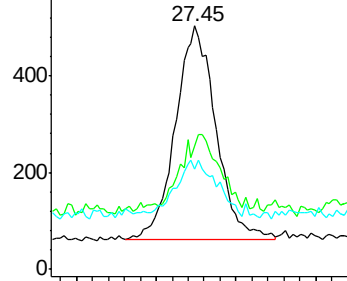
279 41.4 52.0 78.0#



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: 0.026 ng

RT: 28.31 min Scan# 2966

Delta R.T. -0.02 min

Lab File: BE094935.D

Acq: 6 Dec 2017 3:22

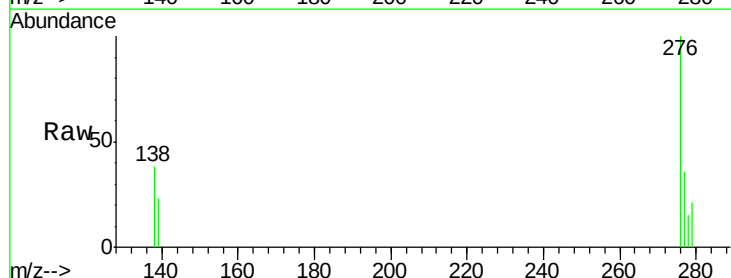
Tgt Ion:276 Resp: 1814

Ion Ratio Lower Upper

276 100

277 36.1 52.0 78.0#

138 38.4 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

