

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094927.D
 Acq On : 5 Dec 2017 22:36
 Operator : SJ/JU
 Sample : I6698-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW02I-20171130

Quant Time: Dec 06 04:05:44 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	7873	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17521	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	10380	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	25514	0.40	ng	0.00
27) Chrysene-d12	21.89	240	27160	0.40	ng	0.00
34) Perylene-d12	24.57	264	21705	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	1960	0.16	ng	0.00
5) Phenol-d6	7.60	99	1779	0.10	ng	0.00
8) Nitrobenzene-d5	9.66	82	4579	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	11542	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	917	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	18915	0.43	ng	0.00
25) Fluoranthene-d10	19.76	212	139356	0.40	ng	0.00
29) Terphenyl-d14	20.33	244	26744	0.53	ng	0.00

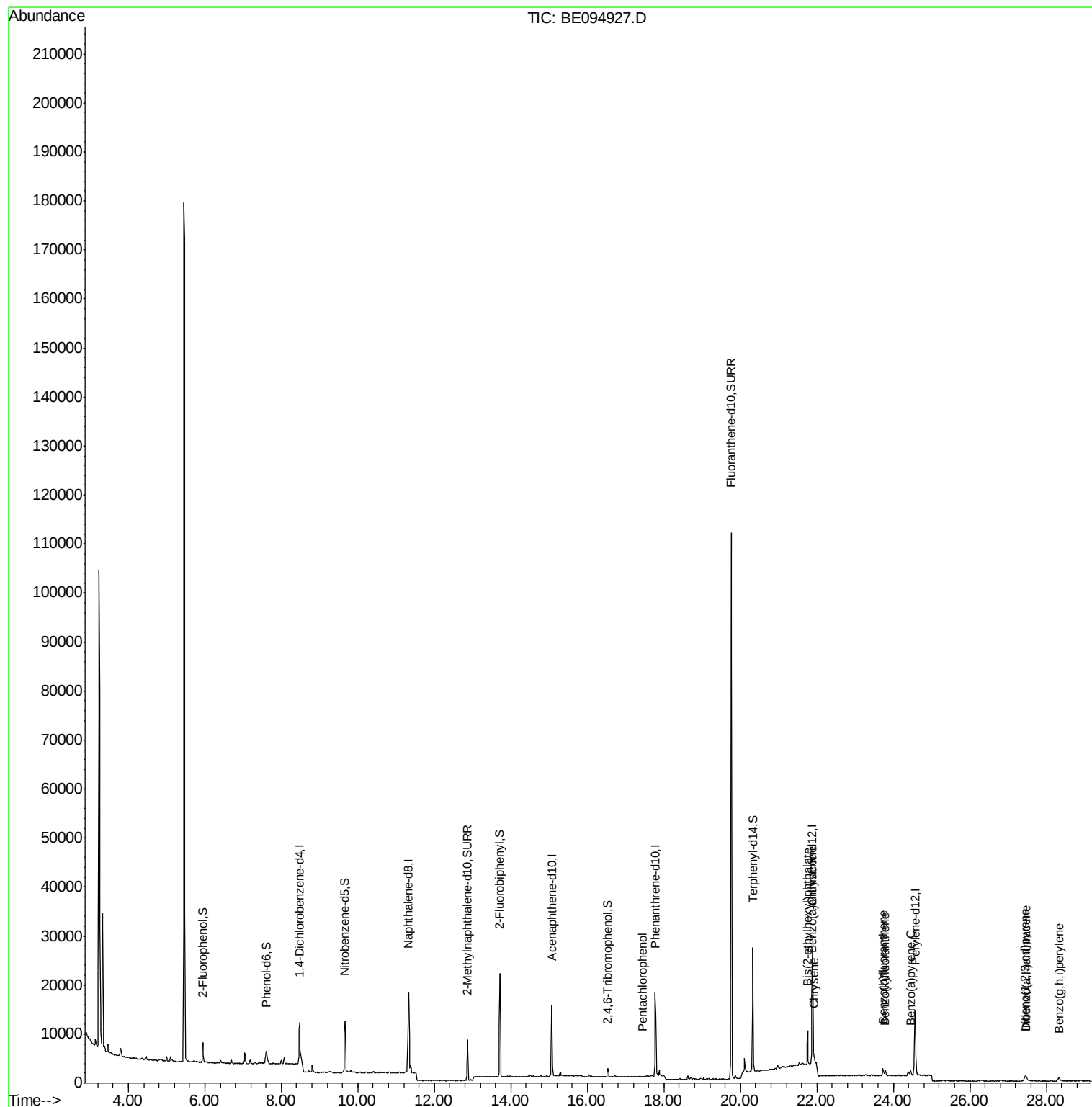
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.44	266	17	0.137	ng	92
30) Benzo(a)anthracene	21.87	228	1811	0.022	ng	# 67
31) Chrysene	21.92	228	2414	0.026	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.76	149	10602	0.077	ng	100
33) Indeno(1,2,3-cd)pyrene	27.44	276	1606	0.021	ng	# 73
35) Benzo(b)fluoranthene	23.73	252	1885	0.024	ng	# 69
36) Benzo(k)fluoranthene	23.78	252	1723	0.021	ng	# 66
37) Benzo(a)pyrene	24.44	252	1495	0.022	ng	# 73
38) Dibenzo(a,h)anthracene	27.46	278	1408	0.022	ng	# 64
39) Benzo(a,h,i)perylene	28.33	276	1676	0.026	ng	# 66

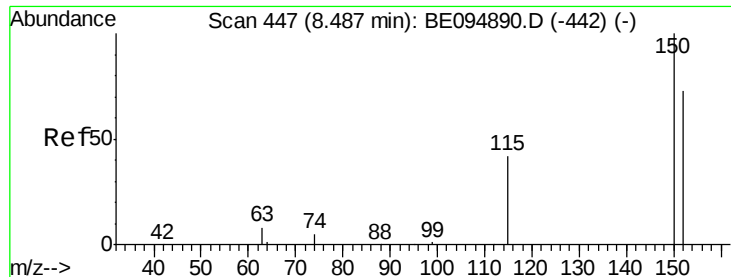
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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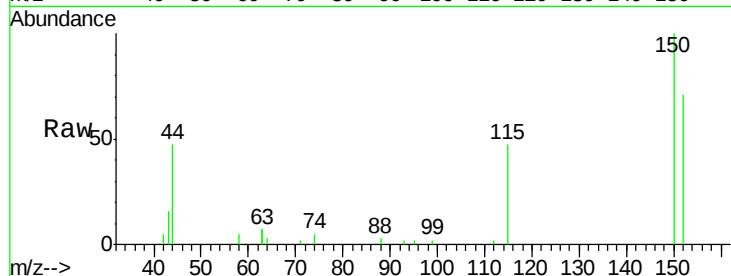


#1

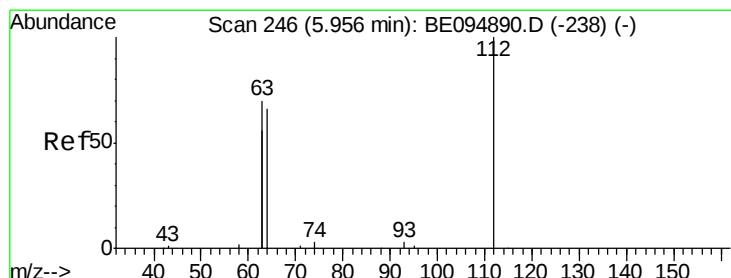
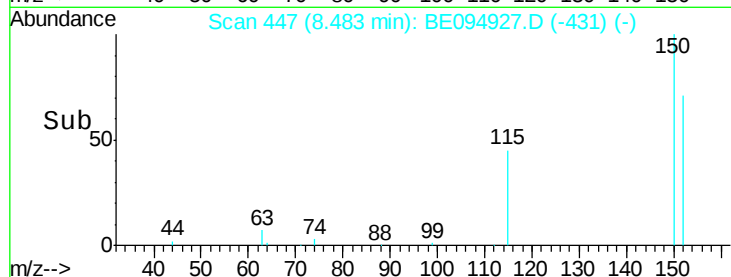
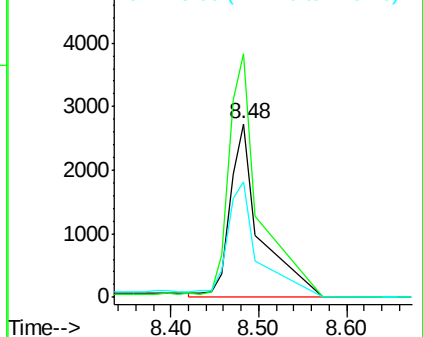
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094927.D
Acq: 5 Dec 2017 22:36

Instrument :
BNA_E
ClientSampleId :
FT-MW02I-20171130

Tot Ion:152 Resp: 7873
Ion Ratio Lower Upper
152 100
150 140.1 117.2 175.8
115 66.2 57.0 85.6



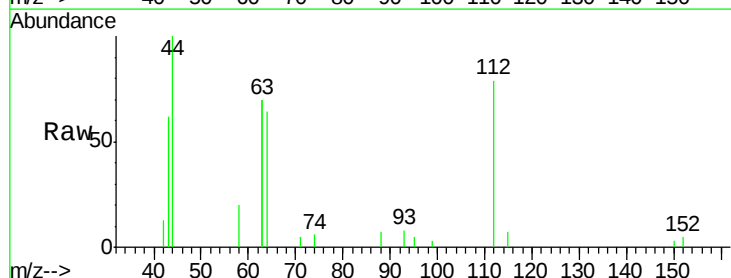
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



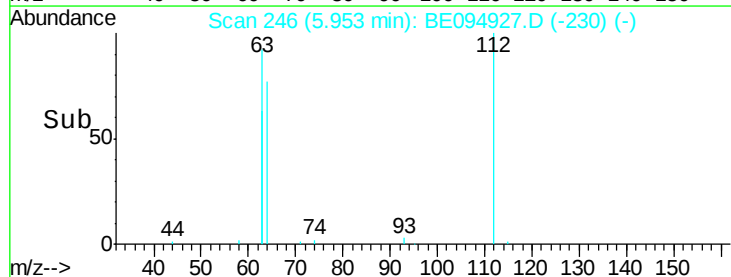
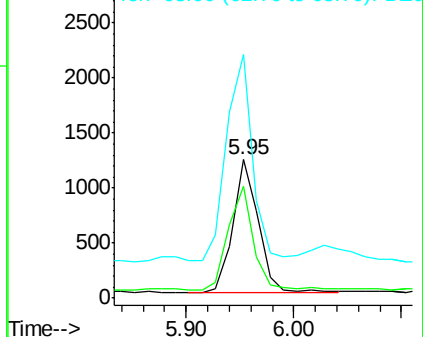
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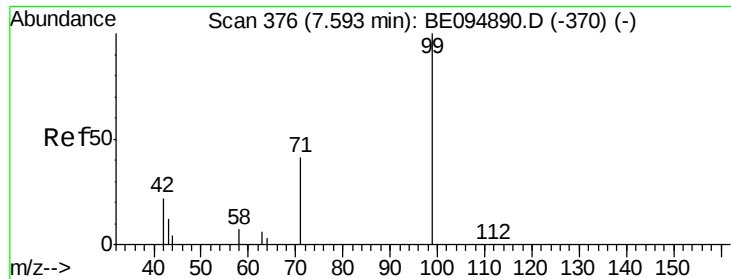
2-Fluorophenol
Concen: 0.157 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094927.D
Acq: 5 Dec 2017 22:36

Tgt Ion:112 Resp: 1960
Ion Ratio Lower Upper
112 100
64 76.4 60.1 90.1
63 160.5 116.8 175.2



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: 0.096 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

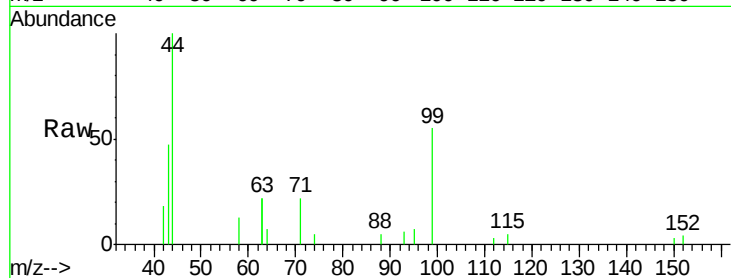
Tot Ion: 99 Resp: 1779

Ion Ratio Lower Upper

99 100

42 38.3 20.2 30.2#

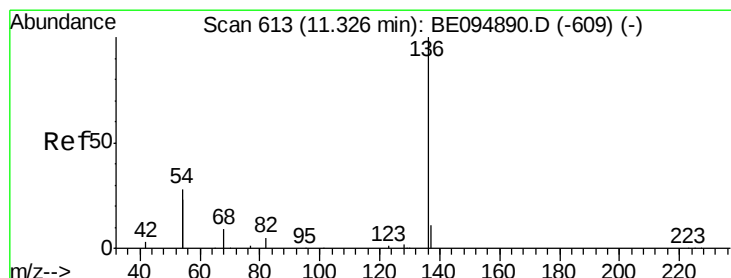
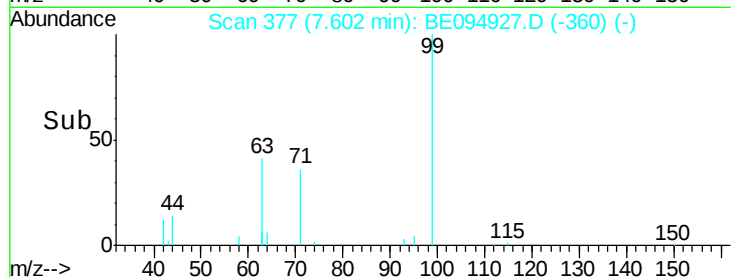
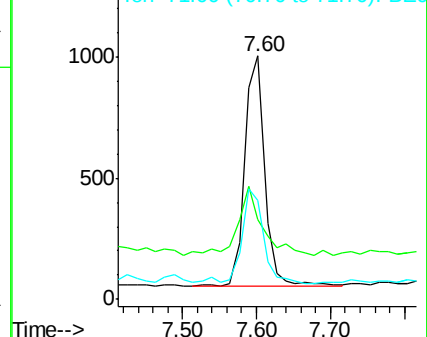
71 45.2 28.4 42.6#



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: BE094927.D

Acq: 5 Dec 2017 22:36

Tgt Ion: 136 Resp: 17521

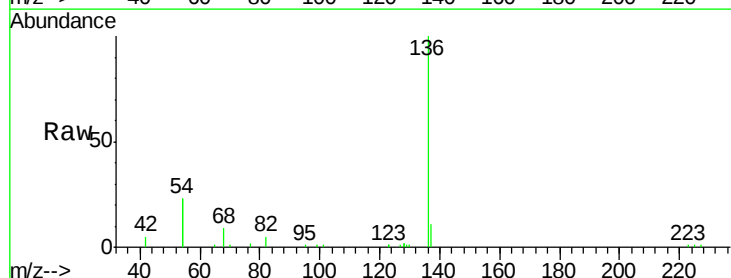
Ion Ratio Lower Upper

136 100

137 11.1 9.5 14.3

54 46.9 29.1 43.7#

68 8.8 6.2 9.2

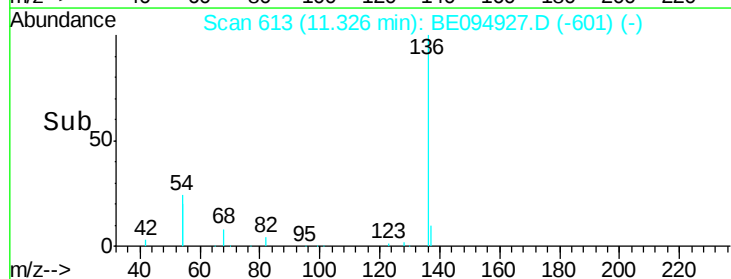
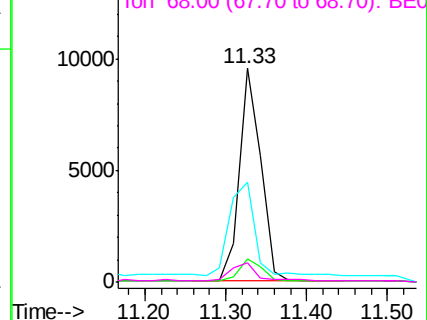


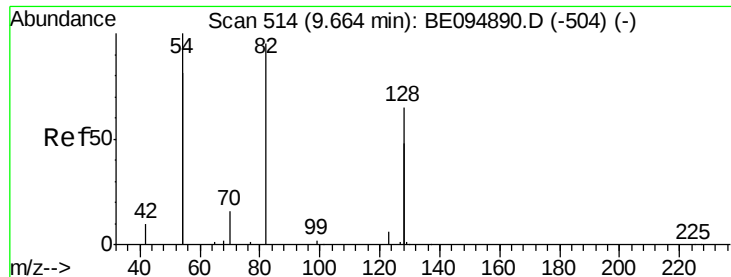
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.441 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

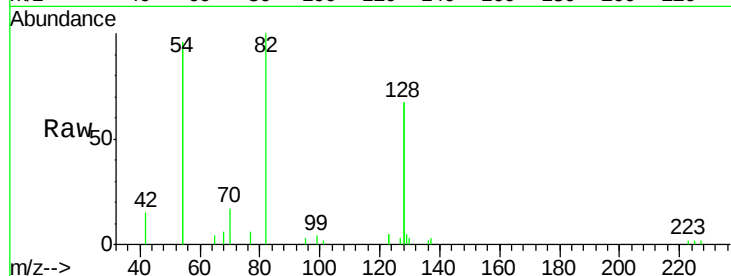
Tot Ion: 82 Resp: 4579

Ion Ratio Lower Upper

82 100

128 133.9 150.0 225.0#

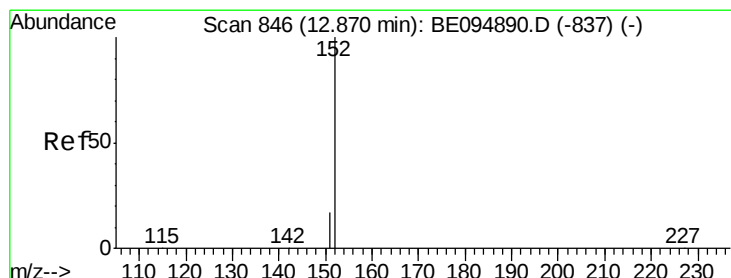
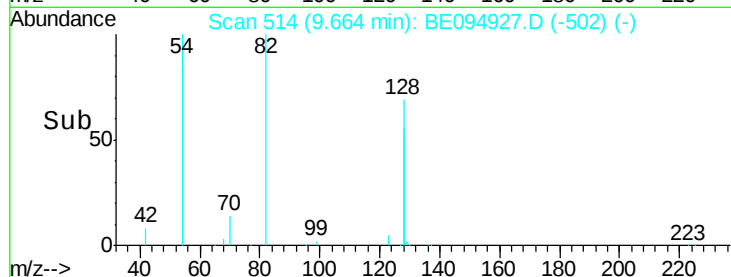
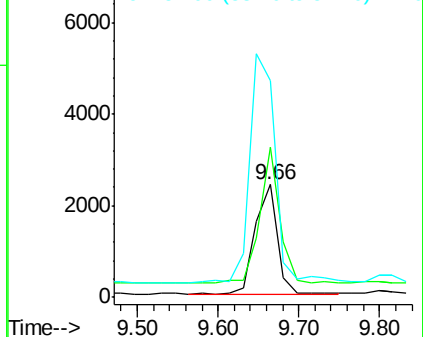
54 192.8 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.413 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094927.D

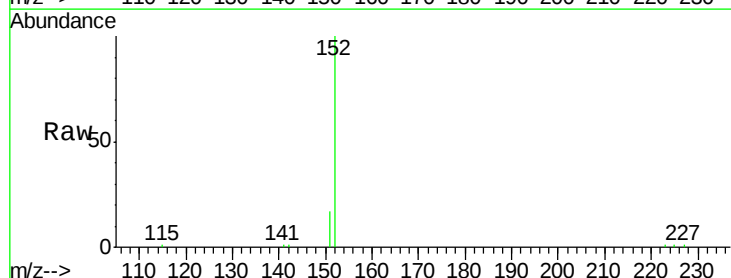
Acq: 5 Dec 2017 22:36

Tgt Ion: 152 Resp: 11542

Ion Ratio Lower Upper

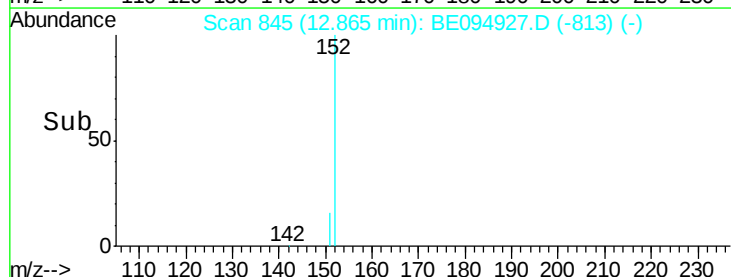
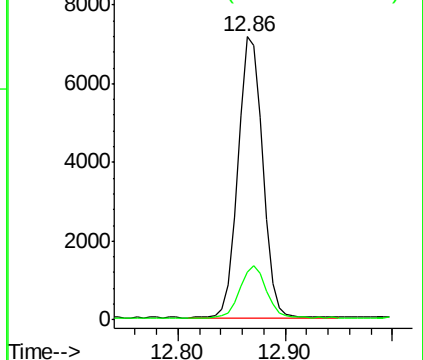
152 100

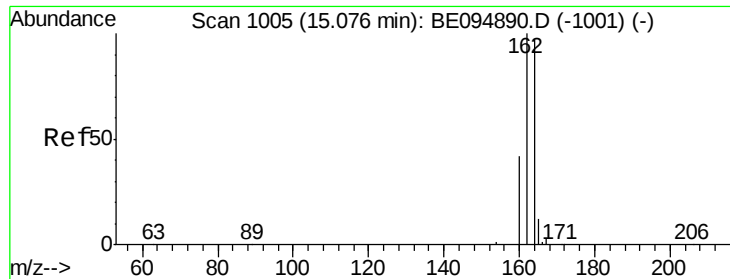
151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

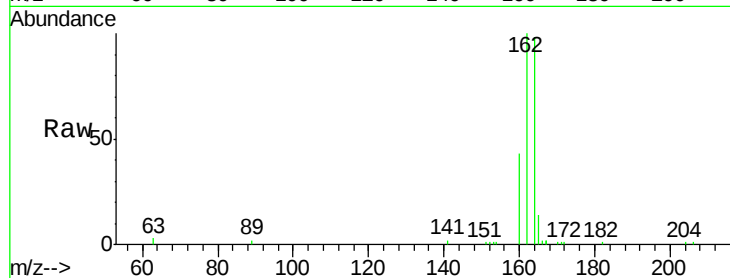
Tot Ion:164 Resp: 10380

Ion Ratio Lower Upper

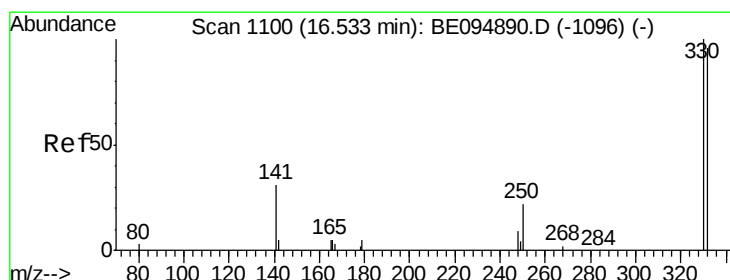
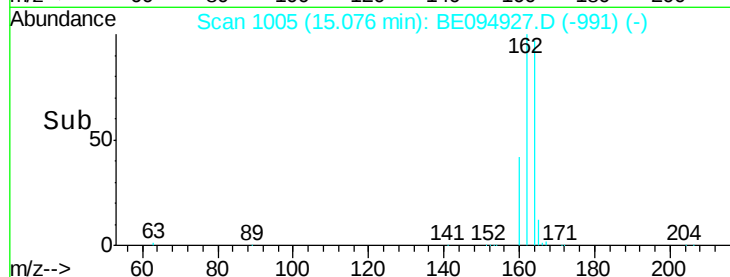
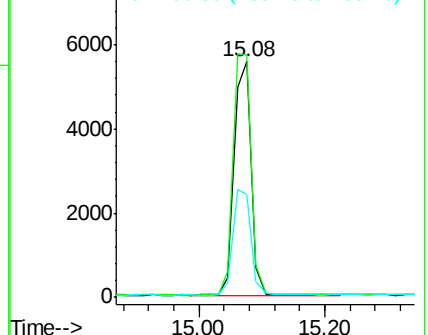
164 100

162 102.6 83.1 124.7

160 43.6 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: 0.431 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

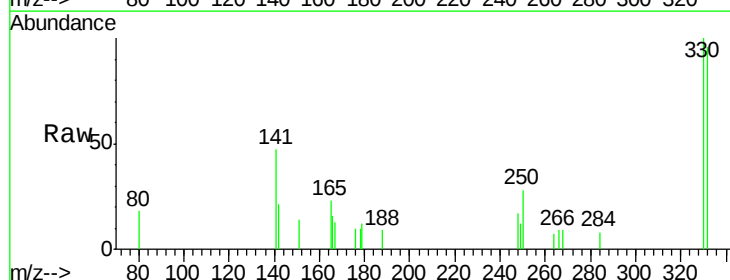
Tgt Ion:330 Resp: 917

Ion Ratio Lower Upper

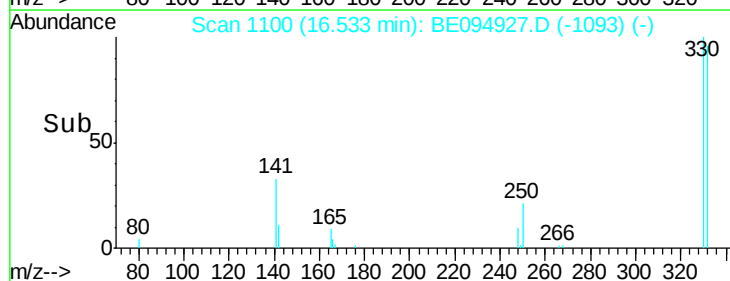
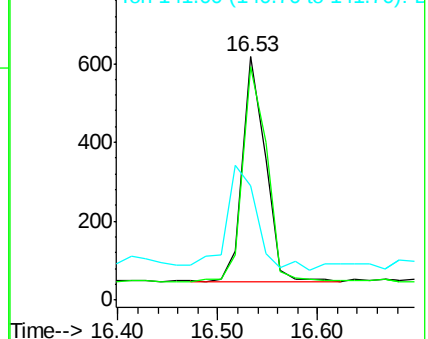
330 100

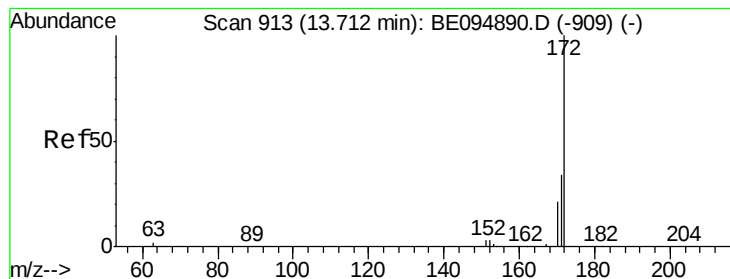
332 100.4 152.7 229.1#

141 61.8 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: 0.426 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

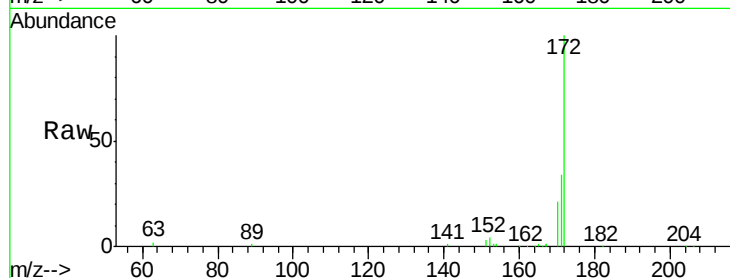
Tot Ion:172 Resp: 18915

Ion Ratio Lower Upper

172 100

171 33.8 29.9 44.9

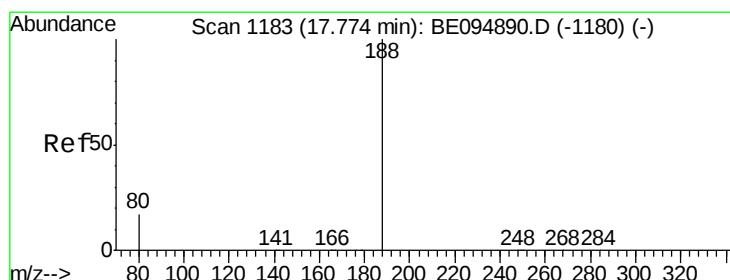
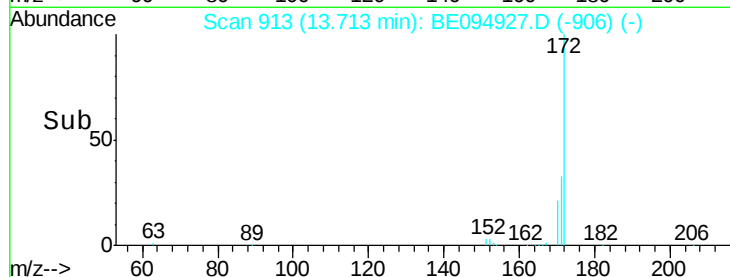
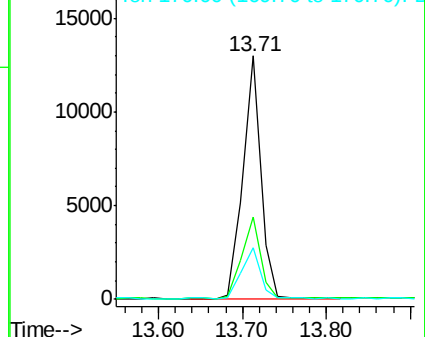
170 21.2 21.8 32.8#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

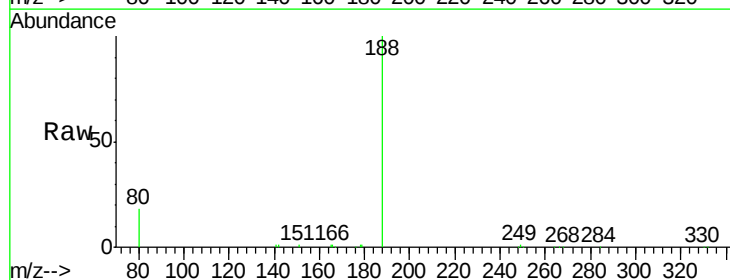
Tgt Ion:188 Resp: 25514

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

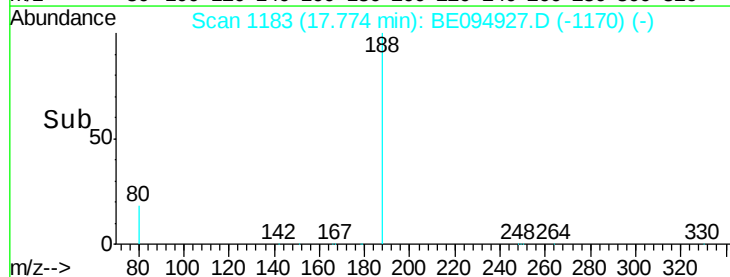
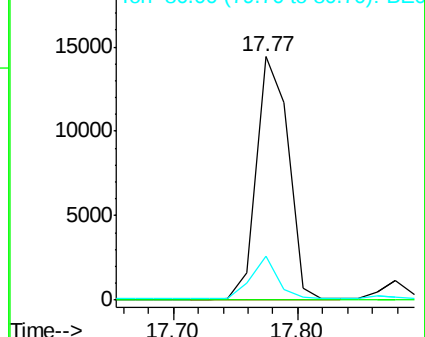
80 18.2 3.6 5.4#

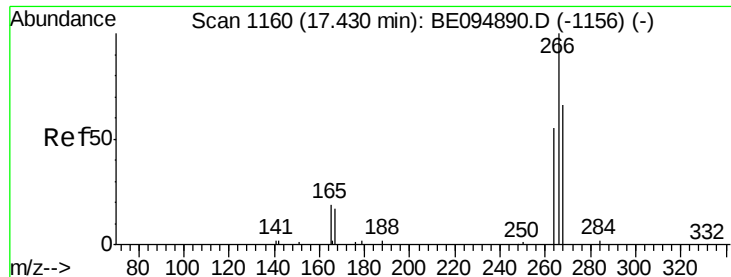


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

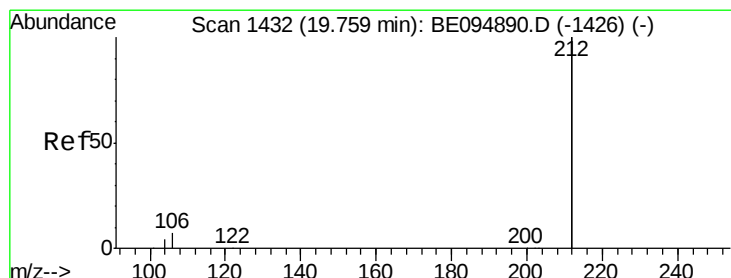
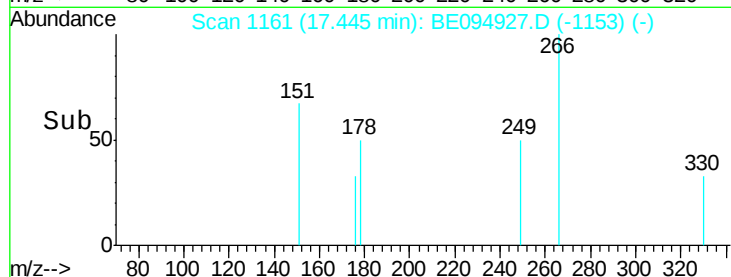
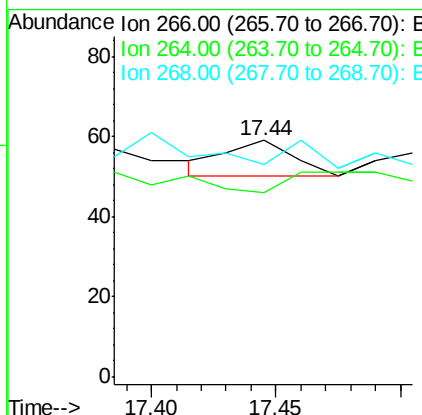
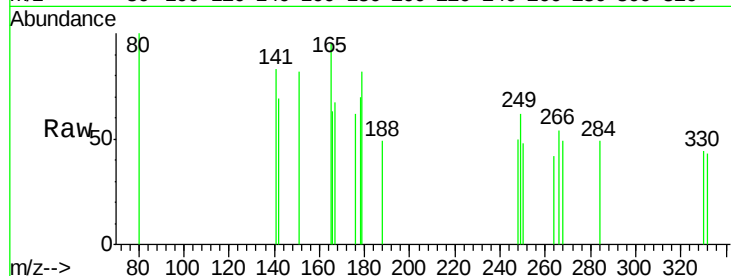




#22
 Pentachlorophenol
 Concen: 0.137 ng
 RT: 17.44 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: BE094927.D
 Acq: 5 Dec 2017 22:36

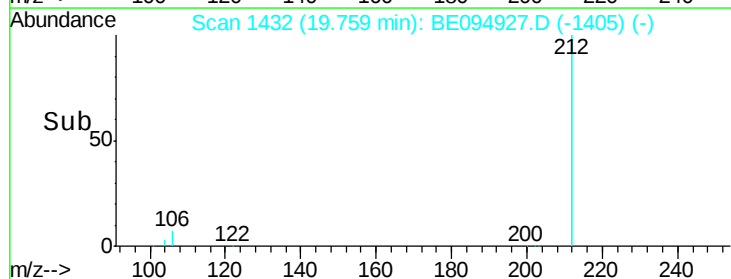
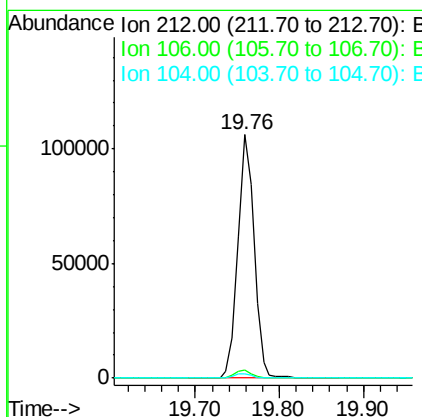
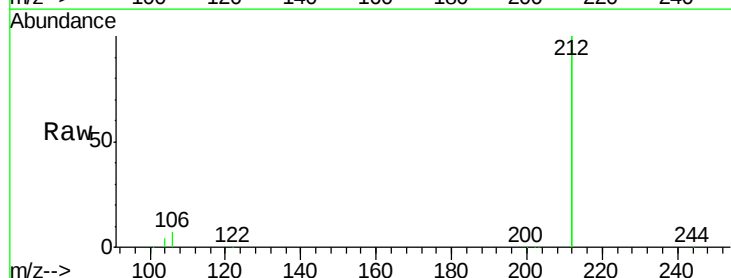
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW02I-20171130

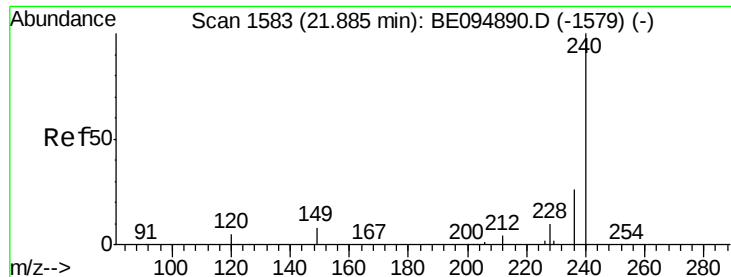
Tot Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 78.0 72.5 108.7
 268 89.8 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.400 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094927.D
 Acq: 5 Dec 2017 22:36

Tgt Ion:212 Resp: 139356
 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: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

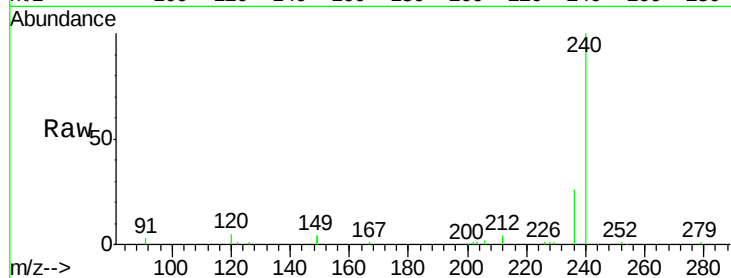
Tot Ion:240 Resp: 27160

Ion Ratio Lower Upper

240 100

120 5.3 5.5 8.3#

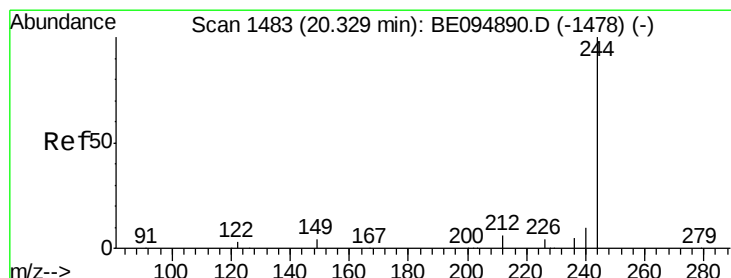
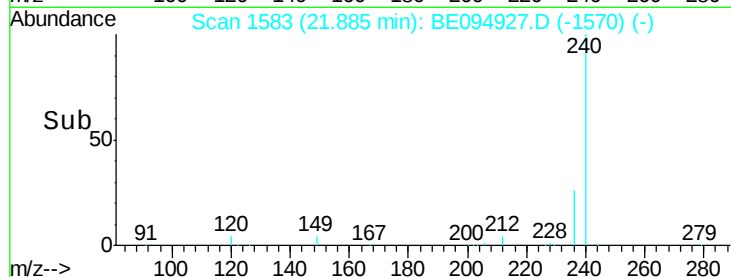
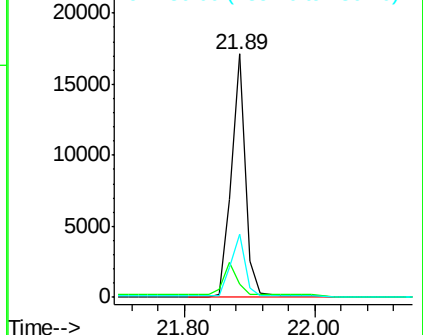
236 26.0 20.7 31.1



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: 0.533 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

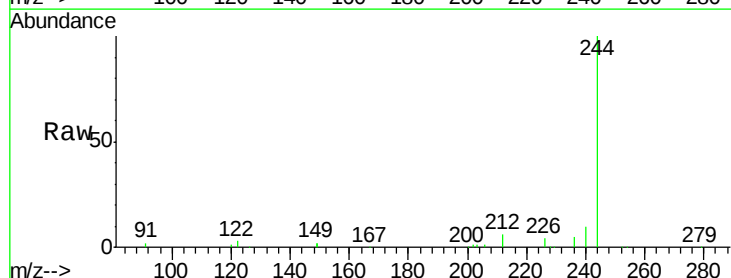
Tgt Ion:244 Resp: 26744

Ion Ratio Lower Upper

244 100

212 6.0 25.4 38.0#

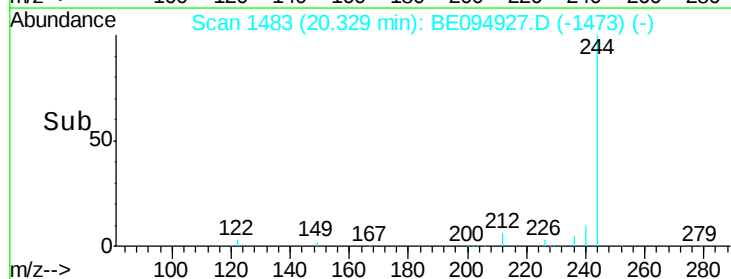
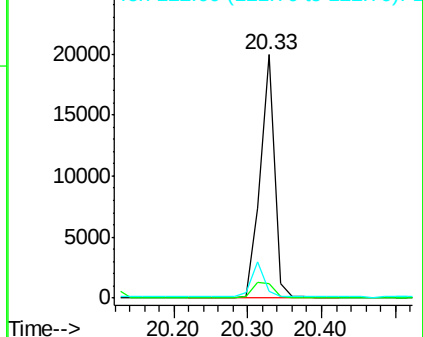
122 3.0 8.1 12.1#

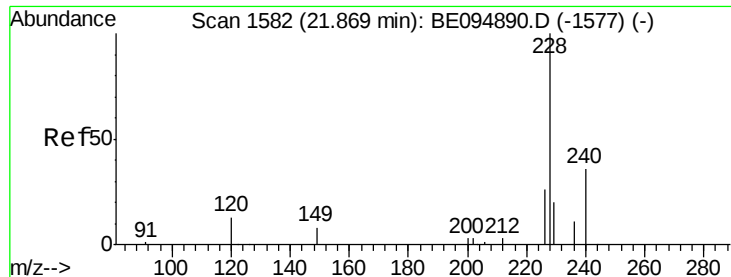


Abundance Ion 244.00 (243.70 to 244.70): E

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: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

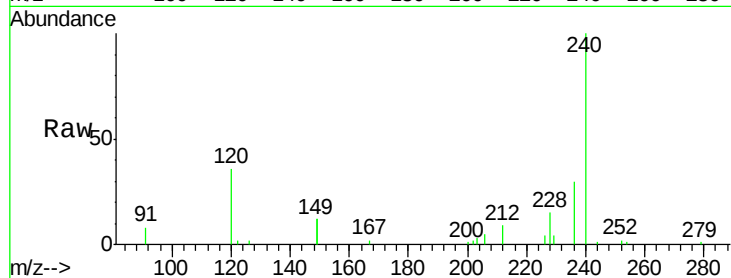
Tot Ion:228 Resp: 1811

Ion Ratio Lower Upper

228 100

226 29.0 40.0 60.0#

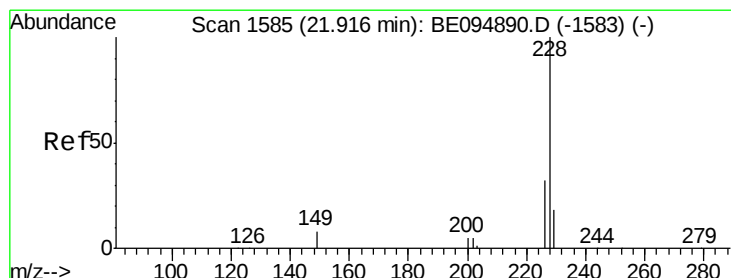
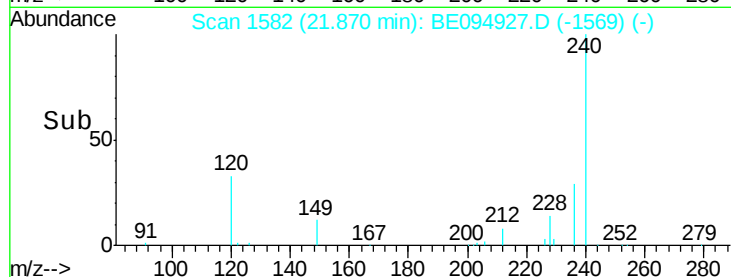
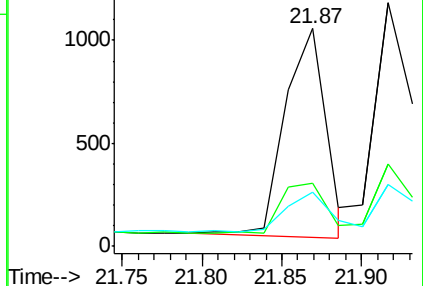
229 25.0 40.0 60.0#



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: BE094927.D

Acq: 5 Dec 2017 22:36

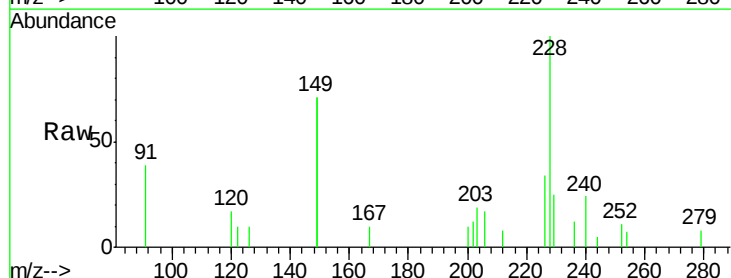
Tgt Ion:228 Resp: 2414

Ion Ratio Lower Upper

228 100

226 33.9 40.0 60.0#

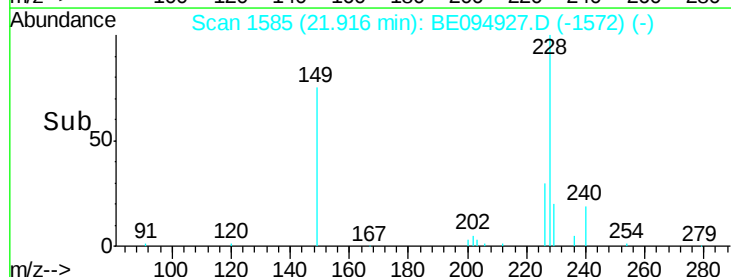
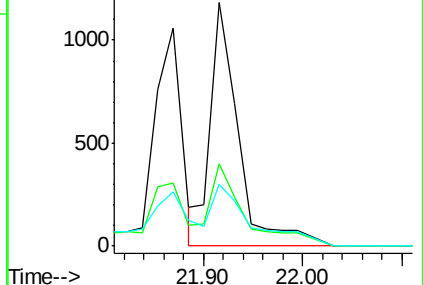
229 25.2 40.0 60.0#

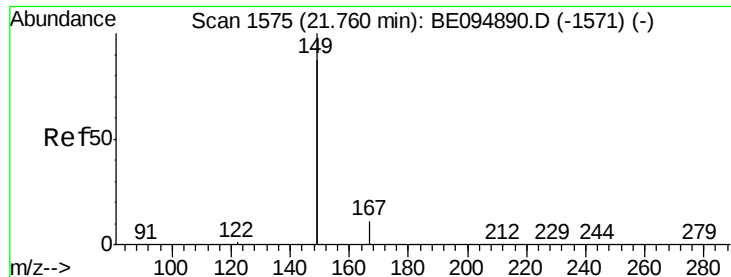


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.077 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

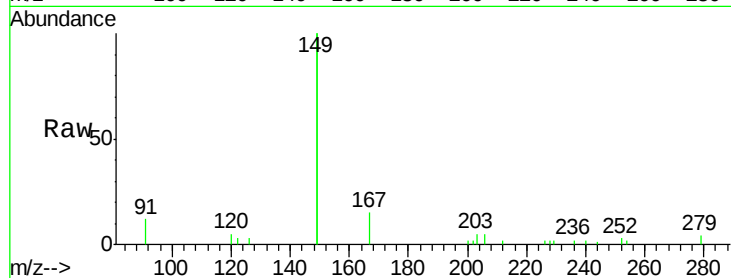
Tot Ion:149 Resp: 10602

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

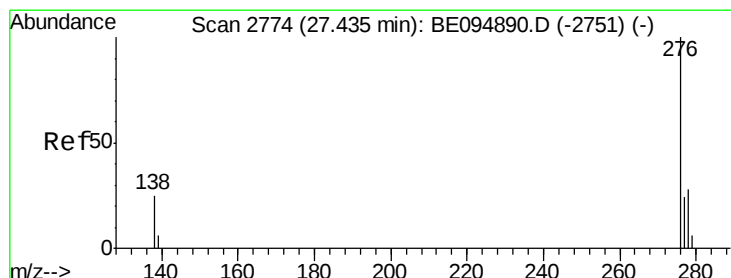
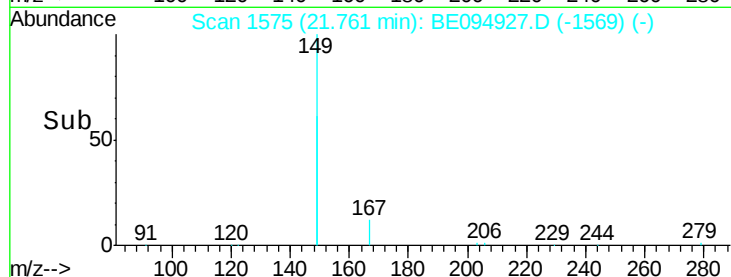
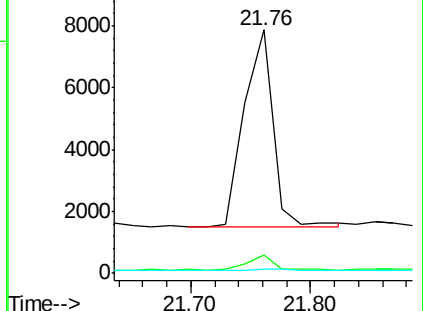
279 1.0 0.7 1.1



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: 27.44 min Scan# 2776

Delta R.T. 0.01 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

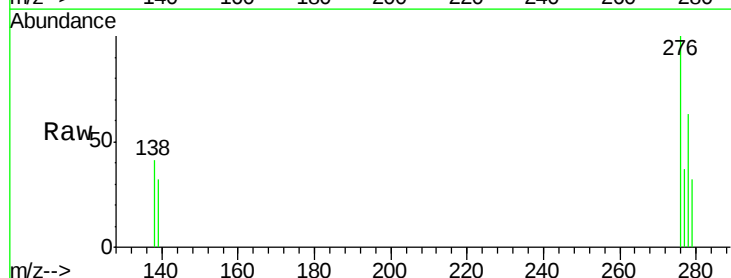
Tgt Ion:276 Resp: 1606

Ion Ratio Lower Upper

276 100

138 2.2 22.5 33.7#

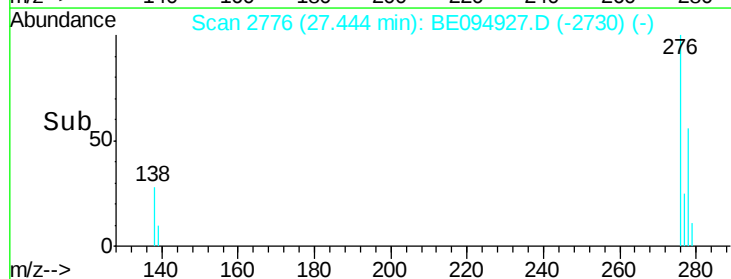
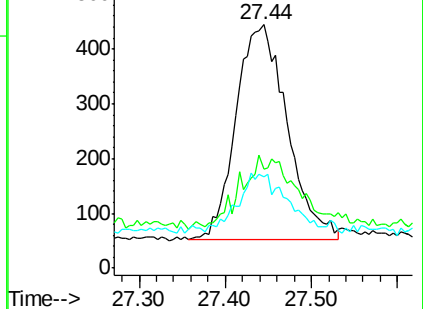
277 26.5 19.9 29.9

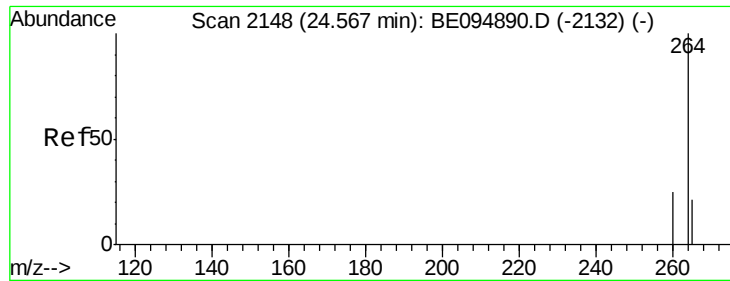


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

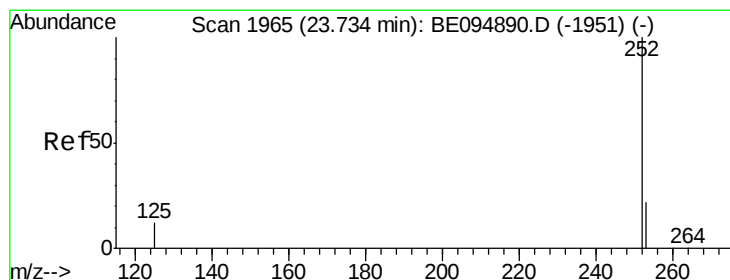
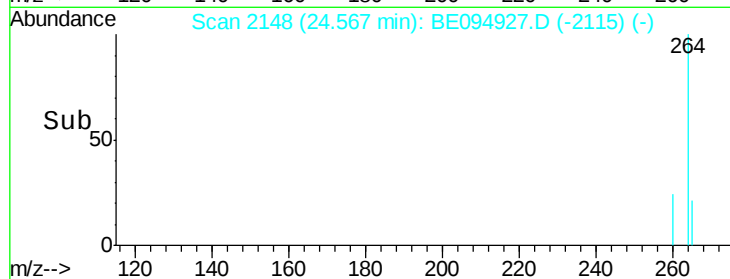
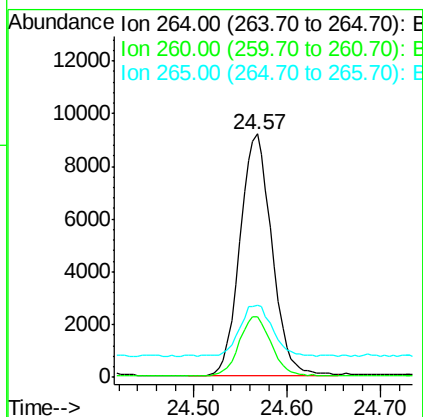
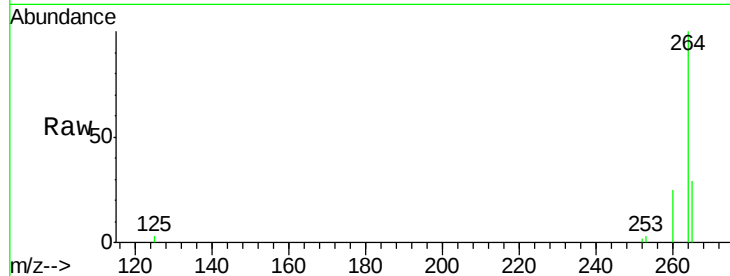




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BE094927.D
 Acq: 5 Dec 2017 22:36

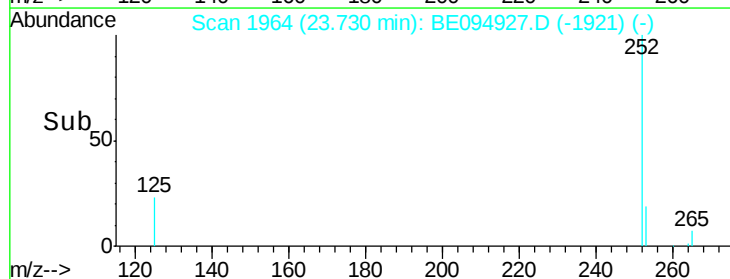
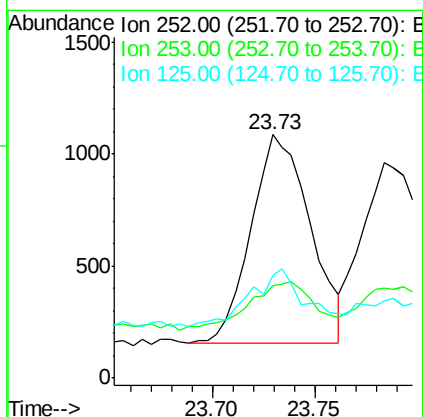
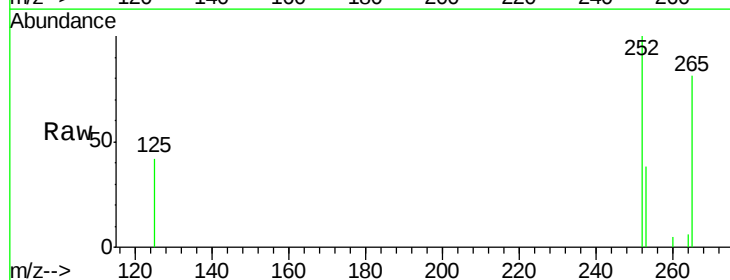
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW02I-20171130

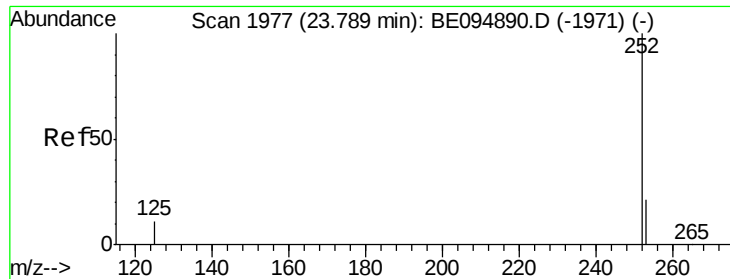
Tot Ion:264 Resp: 21705
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.5 30.7
 265 29.4 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.024 ng
 RT: 23.73 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BE094927.D
 Acq: 5 Dec 2017 22:36

Tgt Ion:252 Resp: 1885
 Ion Ratio Lower Upper
 252 100
 253 38.1 48.0 72.0#
 125 42.4 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.021 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

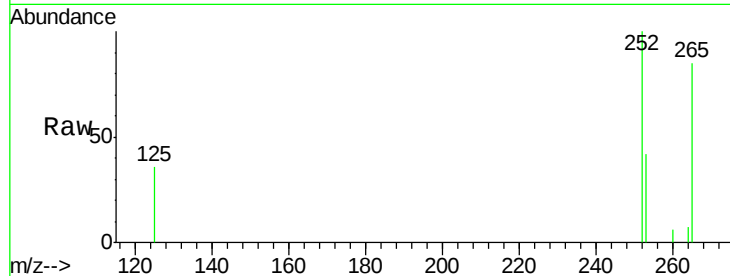
Tot Ion:252 Resp: 1723

Ion Ratio Lower Upper

252 100

253 41.7 48.0 72.0#

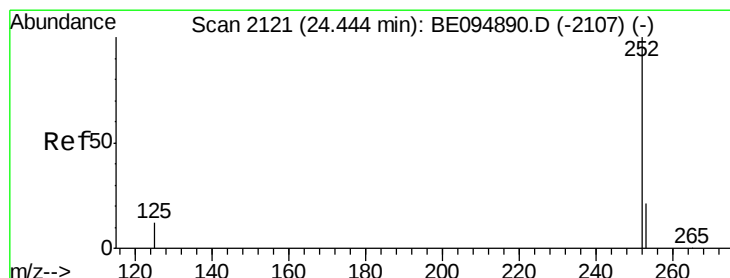
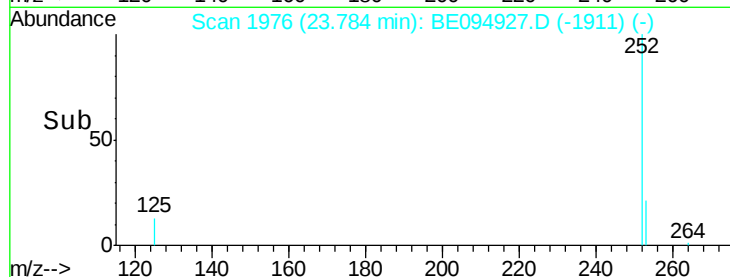
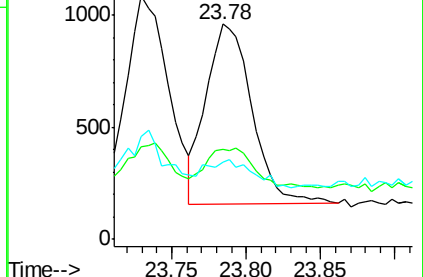
125 35.8 56.0 84.0#



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: 0.022 ng

RT: 24.44 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

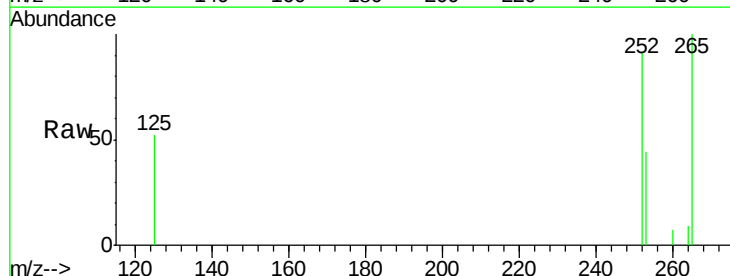
Tgt Ion:252 Resp: 1495

Ion Ratio Lower Upper

252 100

253 48.3 52.0 78.0#

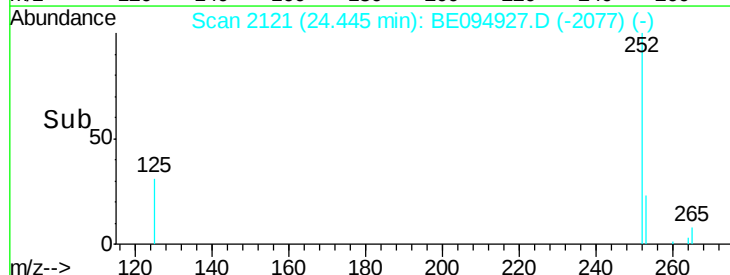
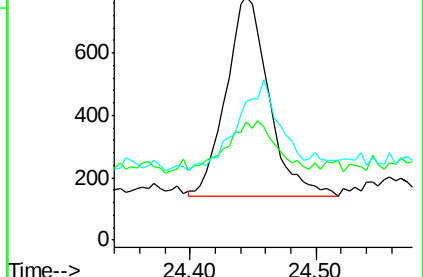
125 56.8 68.0 102.0#

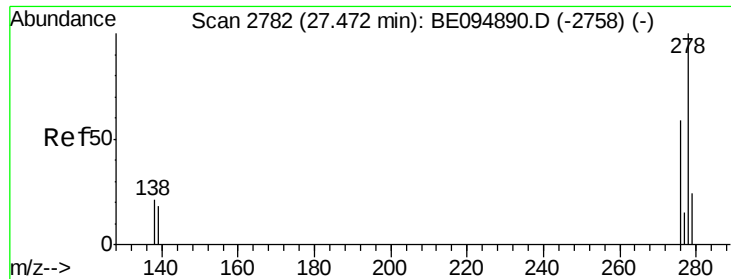


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.022 ng

RT: 27.46 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

Instrument :

BNA_E

ClientSampleId :

FT-MW02I-20171130

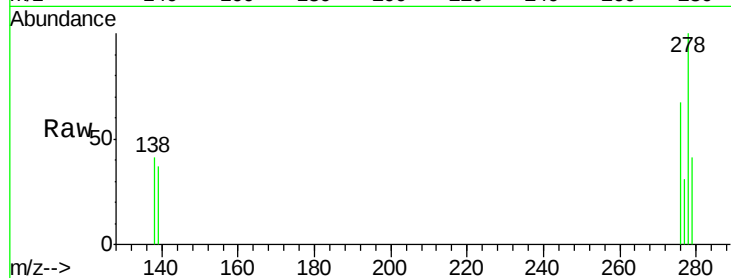
Tot Ion:278 Resp: 1408

Ion Ratio Lower Upper

278 100

139 37.0 56.0 84.0#

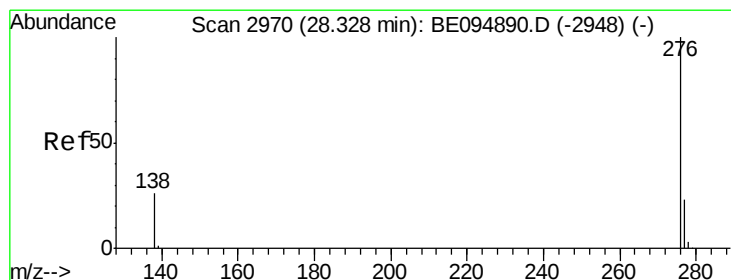
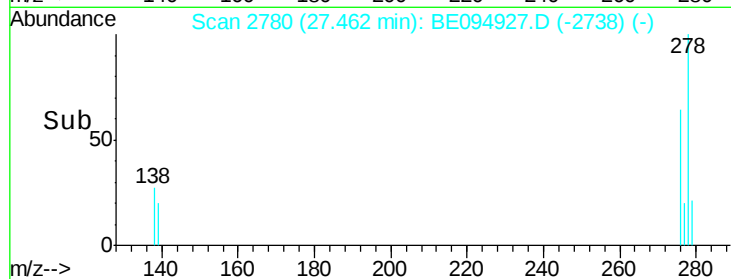
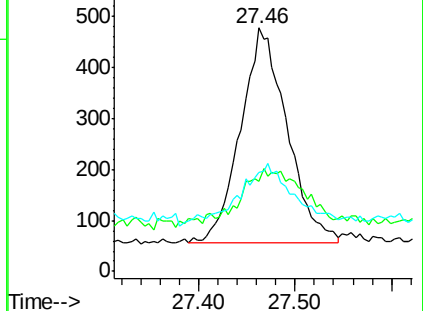
279 40.8 52.0 78.0#



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: 28.33 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE094927.D

Acq: 5 Dec 2017 22:36

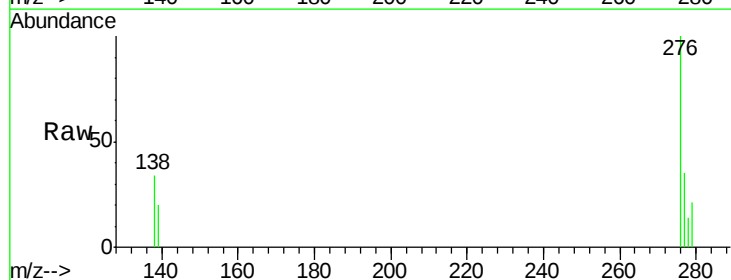
Tgt Ion:276 Resp: 1676

Ion Ratio Lower Upper

276 100

277 35.1 52.0 78.0#

138 34.5 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

