

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094928.D
 Acq On : 5 Dec 2017 23:11
 Operator : SJ/JU
 Sample : I6698-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW01I-20171130

Quant Time: Dec 06 04:05:58 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	8803	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18454	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	10747	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	26309	0.40	ng	0.00
27) Chrysene-d12	21.89	240	27521	0.40	ng	0.00
34) Perylene-d12	24.57	264	22067	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1757	0.13	ng	0.00
5) Phenol-d6	7.60	99	1657	0.08	ng	0.01
8) Nitrobenzene-d5	9.66	82	4482	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	11581	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	652	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	19551	0.42	ng	0.00
25) Fluoranthene-d10	19.76	212	136321	0.38	ng	0.00
29) Terphenyl-d14	20.33	244	25957	0.51	ng	0.00

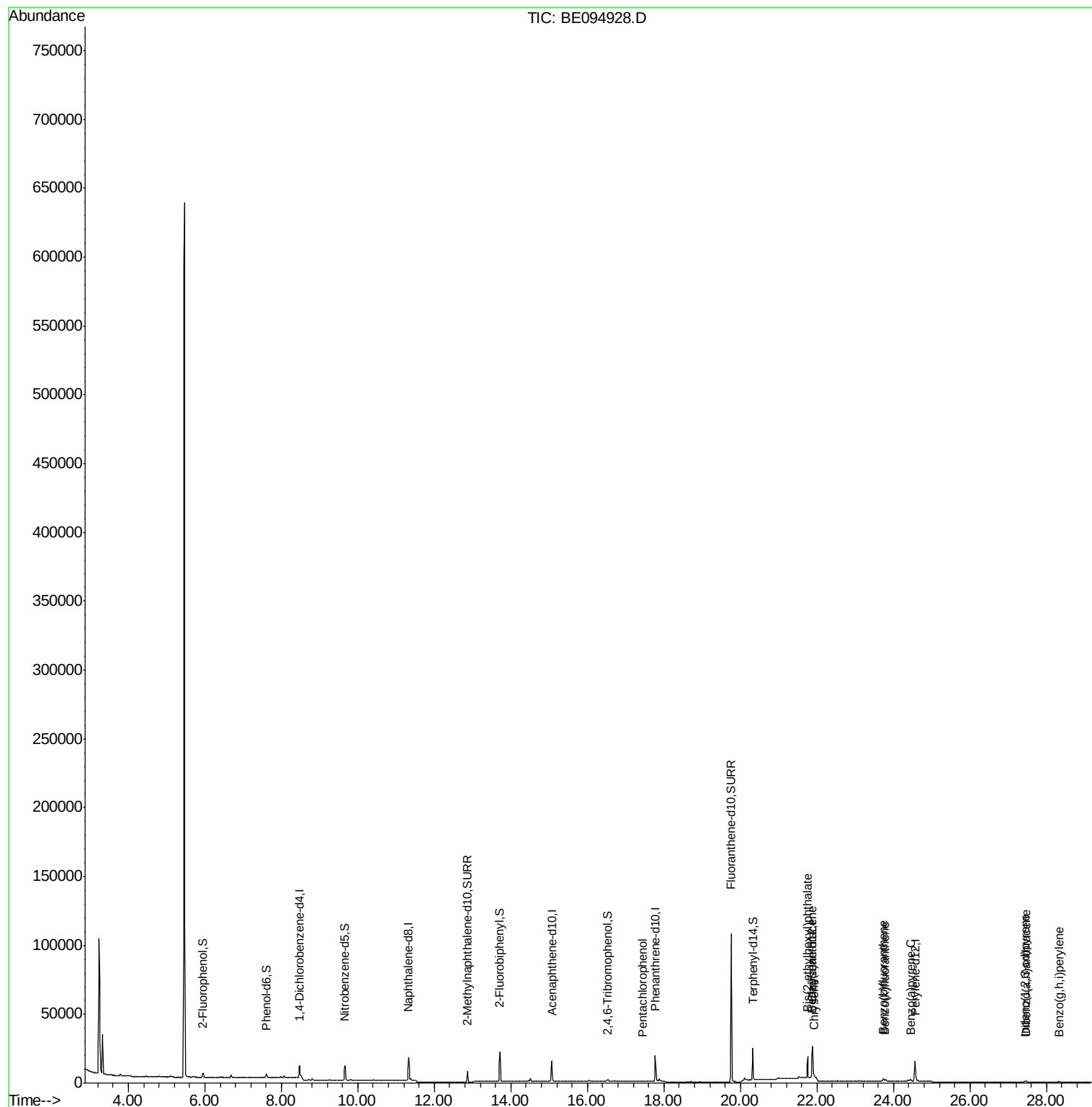
Target Compounds				Qvalue		
22) Pentachlorophenol	17.45	266	15	0.137	ng	97
30) Benzo(a)anthracene	21.87	228	2008	0.024	ng	# 66
31) Chrysene	21.92	228	2652	0.028	ng	# 69
32) Bis(2-ethylhexyl)phthalate	21.76	149	22822	0.163	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	1815	0.024	ng	# 88
35) Benzo(b)fluoranthene	23.73	252	2164	0.027	ng	# 67
36) Benzo(k)fluoranthene	23.79	252	1794	0.022	ng	# 63
37) Benzo(a)pyrene	24.44	252	1603	0.023	ng	# 76
38) Dibenzo(a,h)anthracene	27.47	278	1554	0.024	ng	# 69
39) Benzo(a,h,i)perylene	28.33	276	1826	0.028	ng	# 64

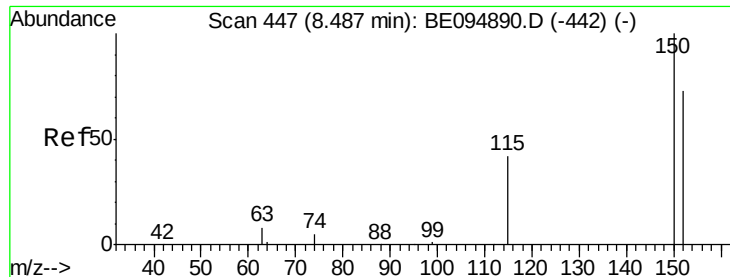
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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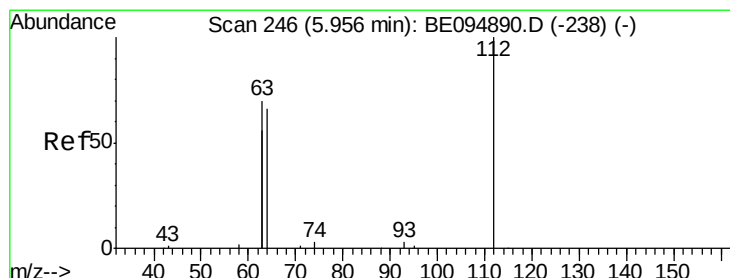
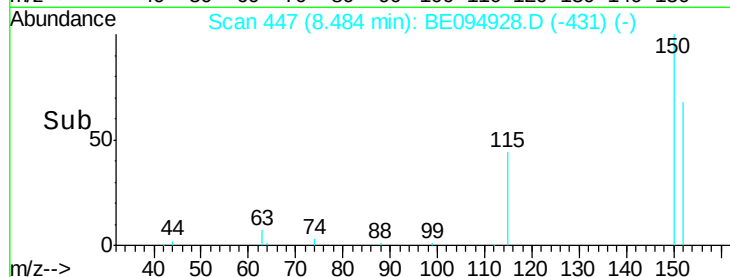
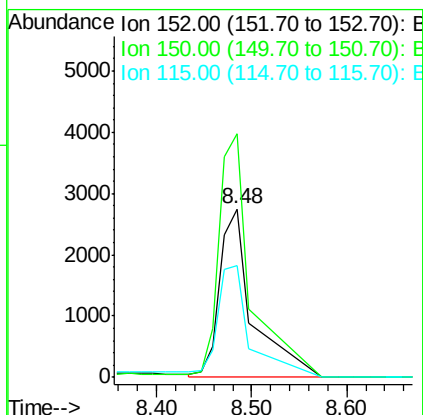
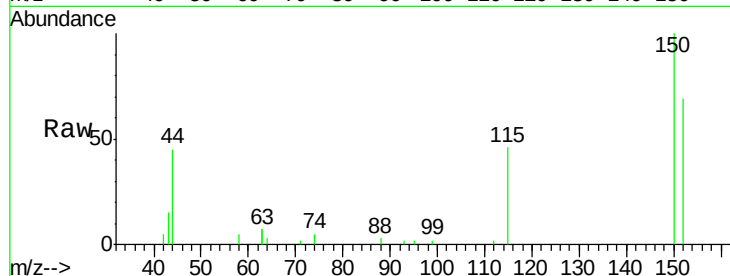


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094928.D
Acq: 5 Dec 2017 23:11

Instrument :
BNA_E
ClientSampleId :
FT-MW01I-20171130

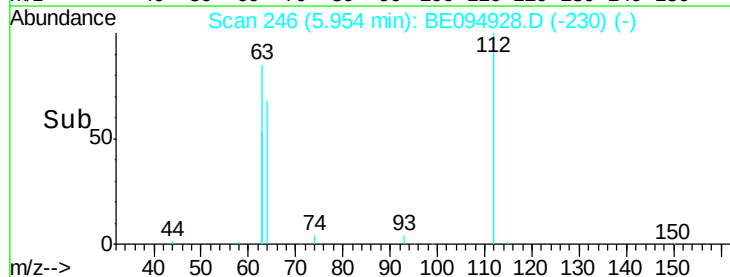
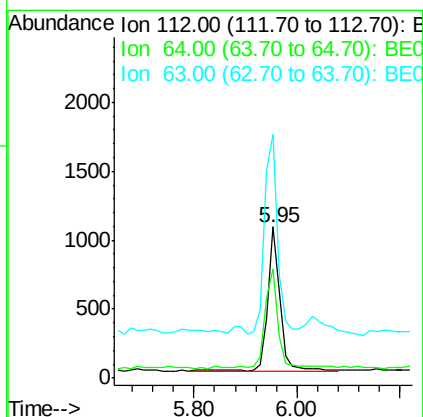
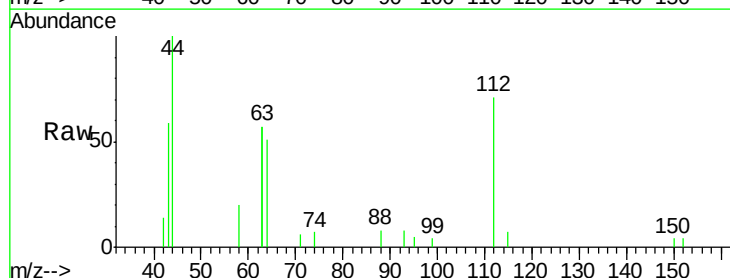
Tot Ion:152 Resp: 8803
Ion Ratio Lower Upper
152 100
150 144.7 117.2 175.8
115 66.2 57.0 85.6

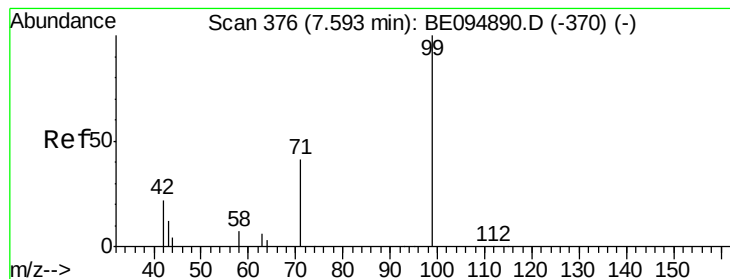


#4

2-Fluorophenol
Concen: 0.126 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094928.D
Acq: 5 Dec 2017 23:11

Tgt Ion:112 Resp: 1757
Ion Ratio Lower Upper
112 100
64 73.7 60.1 90.1
63 145.0 116.8 175.2





#5

Phenol-d6

Concen: 0.080 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

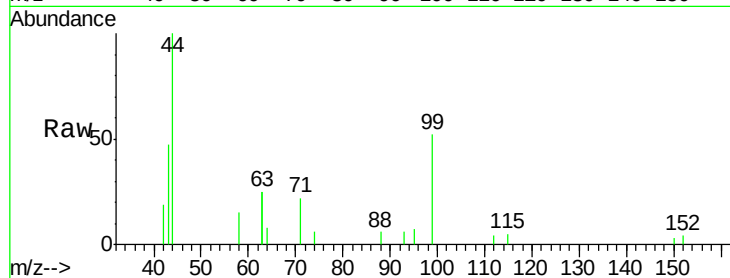
Tot Ion: 99 Resp: 1657

Ion Ratio Lower Upper

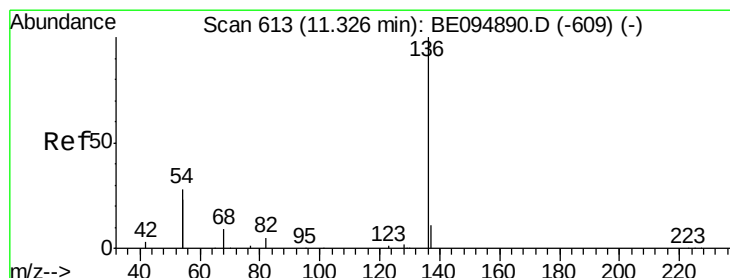
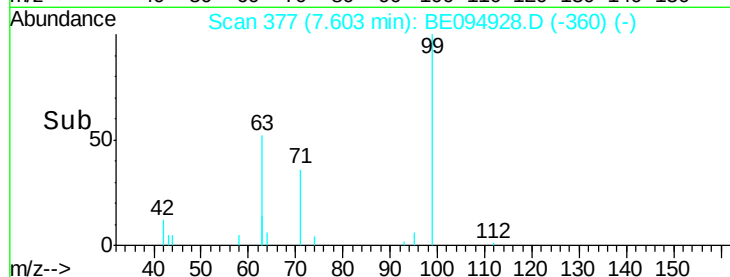
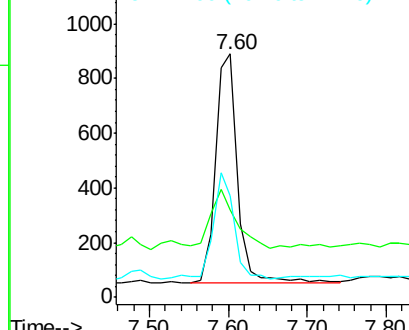
99 100

42 31.9 20.2 30.2#

71 43.8 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: BE094928.D

Acq: 5 Dec 2017 23:11

Tgt Ion: 136 Resp: 18454

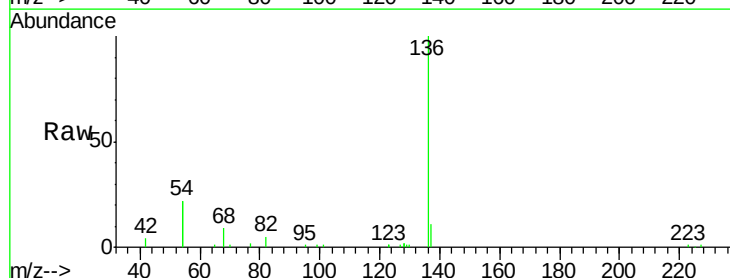
Ion Ratio Lower Upper

136 100

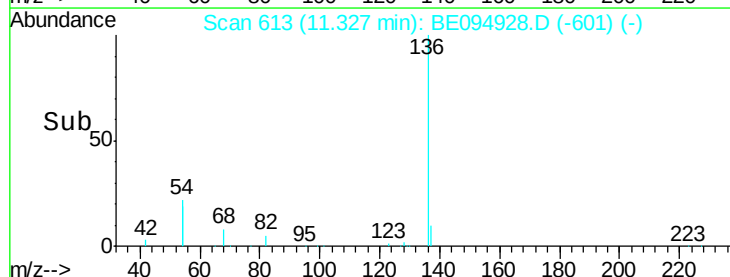
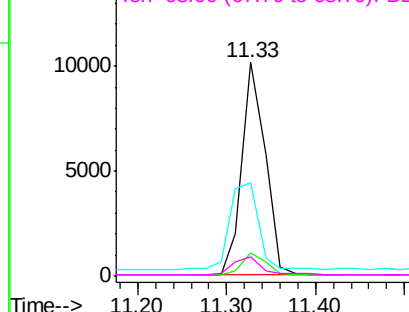
137 10.7 9.5 14.3

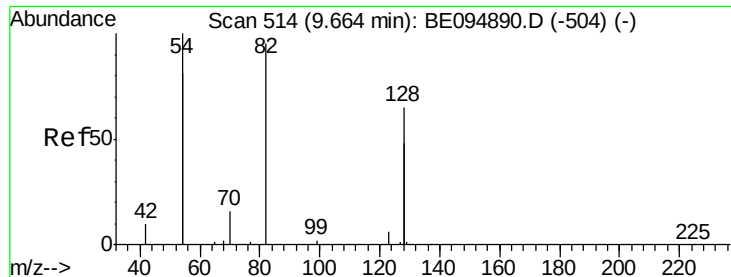
54 43.8 29.1 43.7#

68 8.9 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: 0.410 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

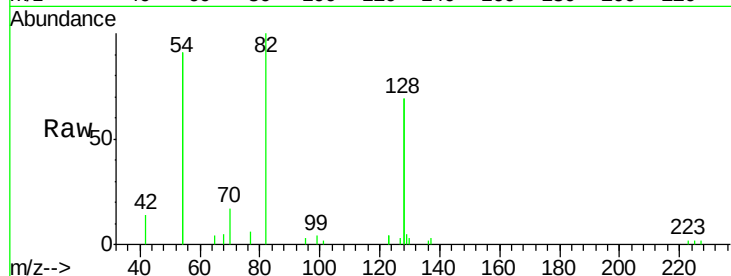
Tot Ion: 82 Resp: 4482

Ion Ratio Lower Upper

82 100

128 137.4 150.0 225.0#

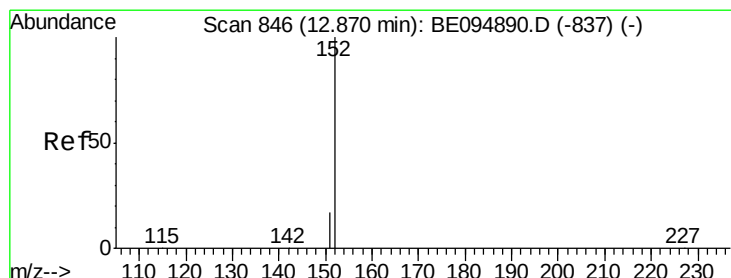
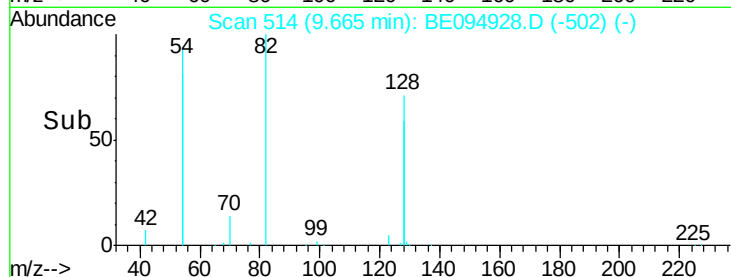
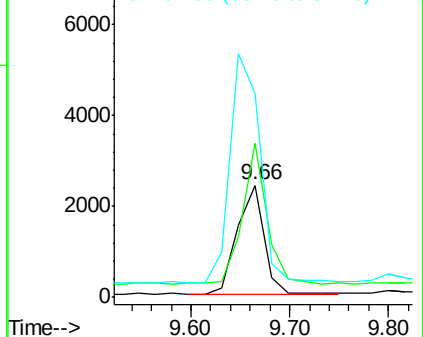
54 182.2 154.2 231.4



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: 0.393 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094928.D

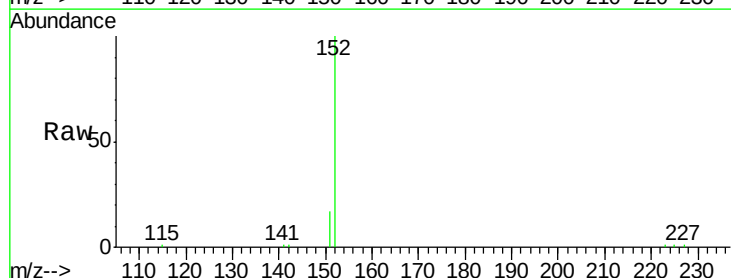
Acq: 5 Dec 2017 23:11

Tgt Ion: 152 Resp: 11581

Ion Ratio Lower Upper

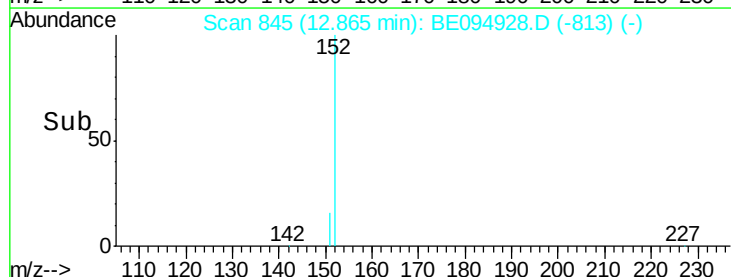
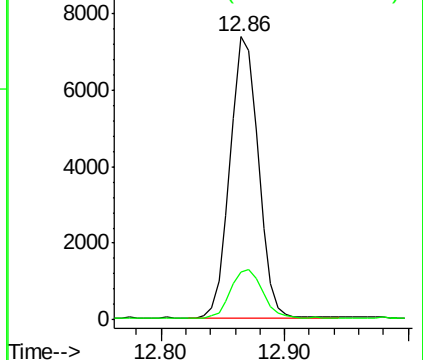
152 100

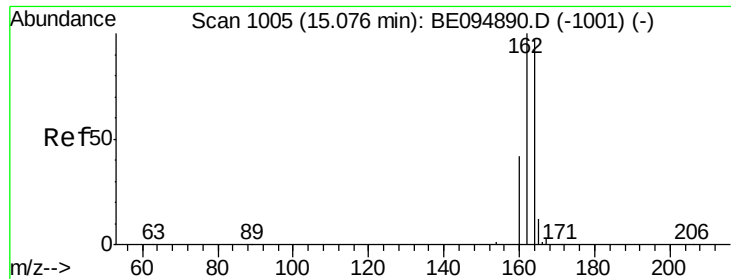
151 19.2 15.4 23.0



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: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

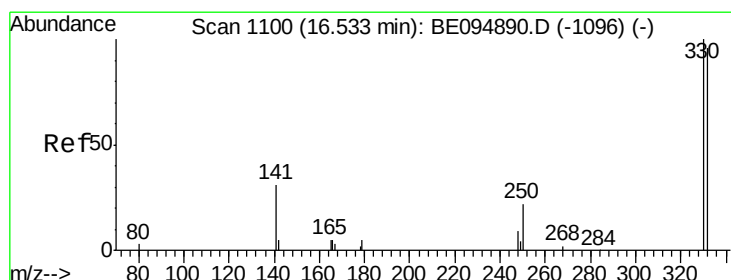
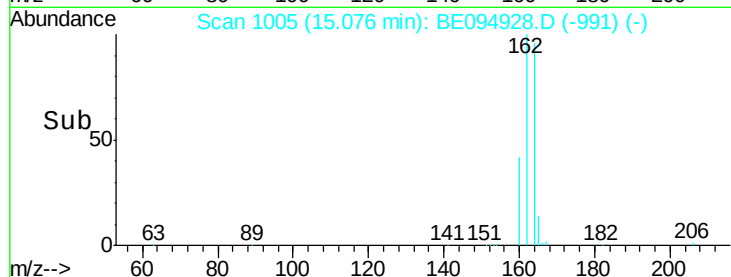
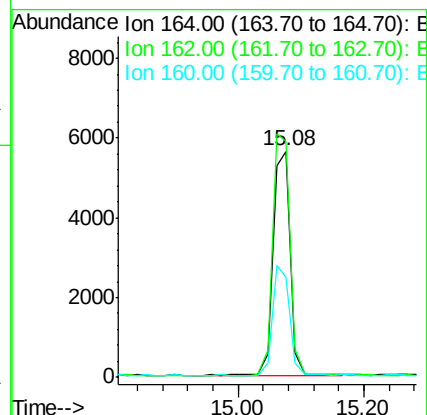
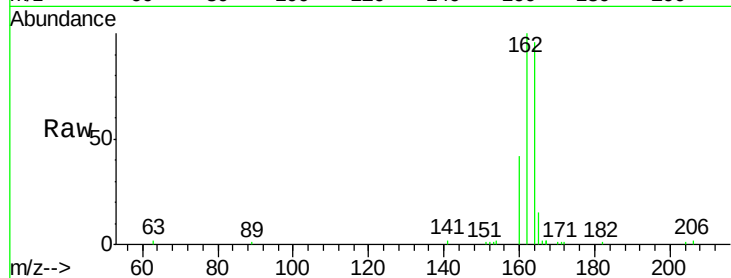
Tot Ion:164 Resp: 10747

Ion Ratio Lower Upper

164 100

162 104.4 83.1 124.7

160 44.2 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.331 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

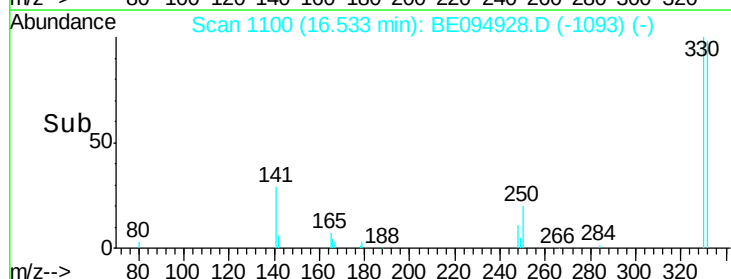
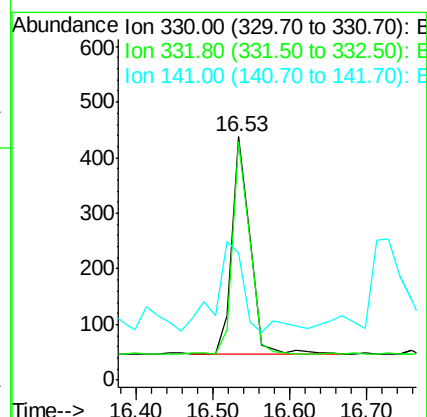
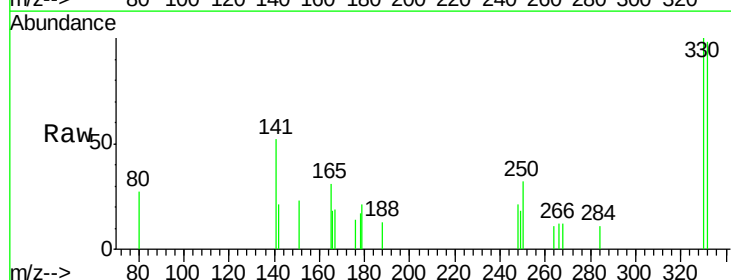
Tgt Ion:330 Resp: 652

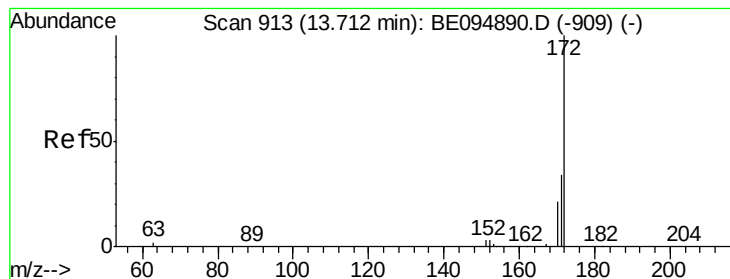
Ion Ratio Lower Upper

330 100

332 93.1 152.7 229.1#

141 59.0 33.7 50.5#

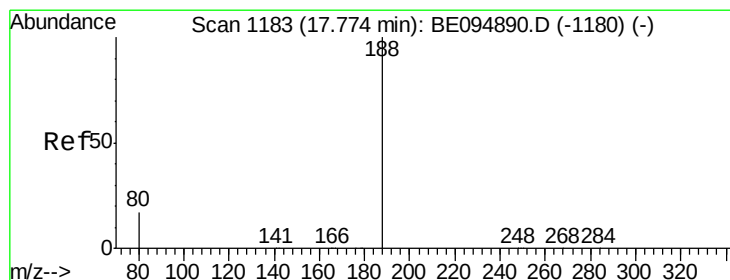
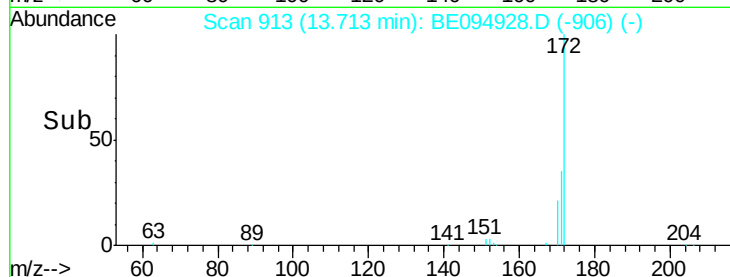
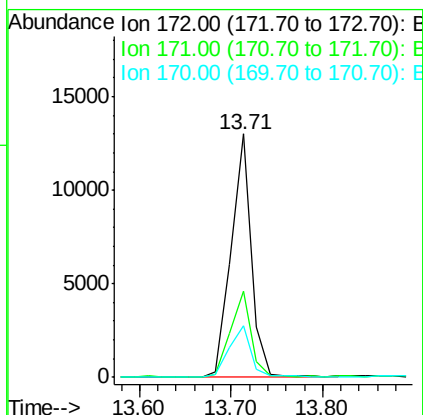
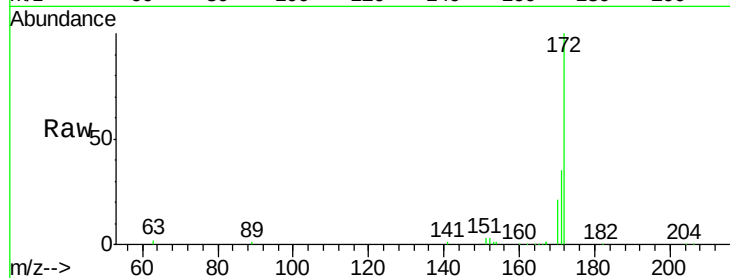




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094928.D
Acq: 5 Dec 2017 23:11

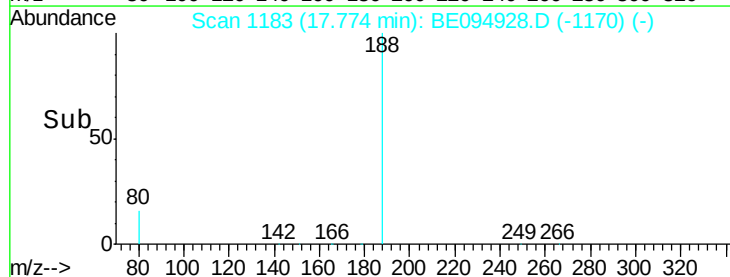
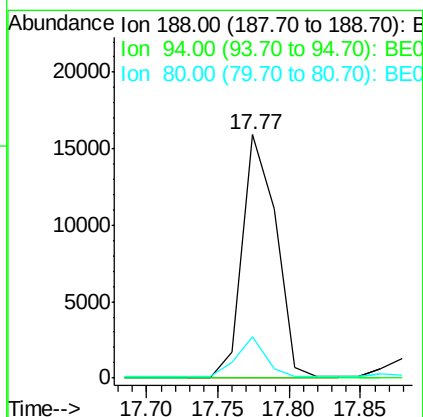
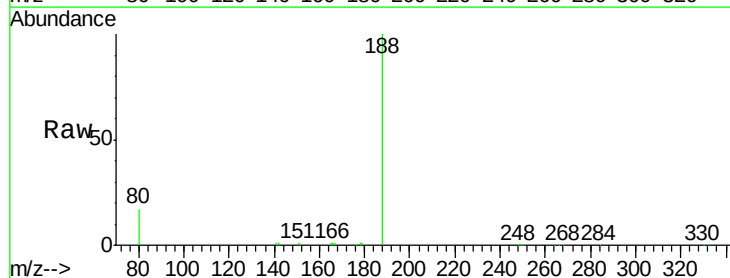
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BNA_E
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FT-MW01I-20171130

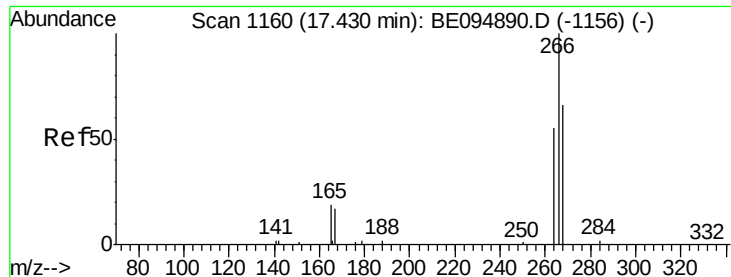
Tot Ion:172 Resp: 19551
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 21.3 21.8 32.8#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094928.D
Acq: 5 Dec 2017 23:11

Tgt Ion:188 Resp: 26309
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 17.1 3.6 5.4#

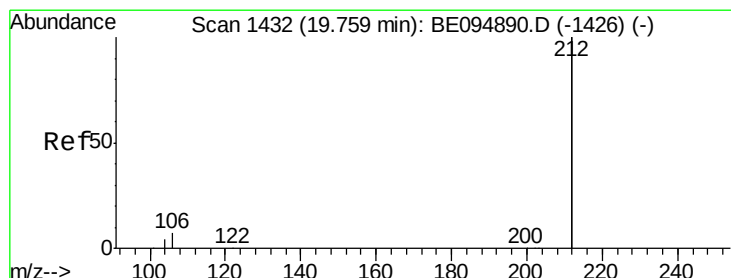
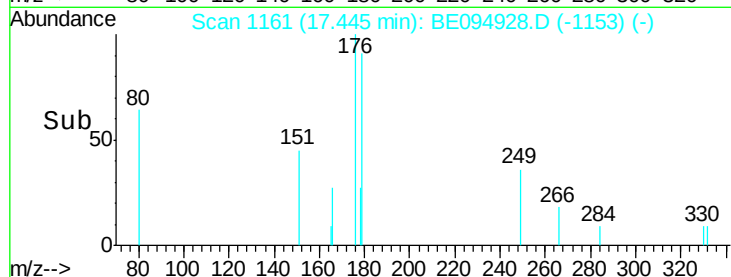
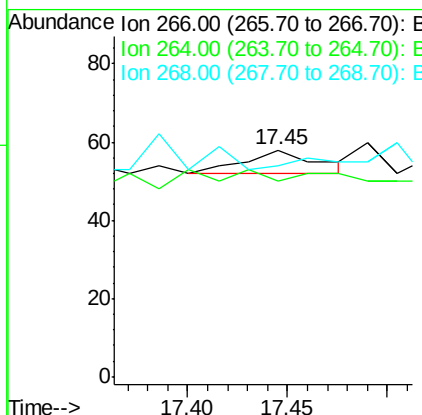
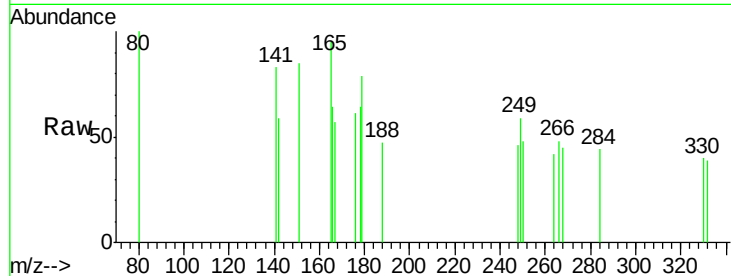




#22
 Pentachlorophenol
 Concen: 0.137 ng
 RT: 17.45 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: BE094928.D
 Acq: 5 Dec 2017 23:11

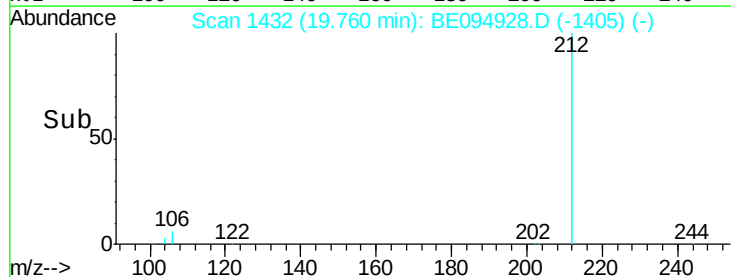
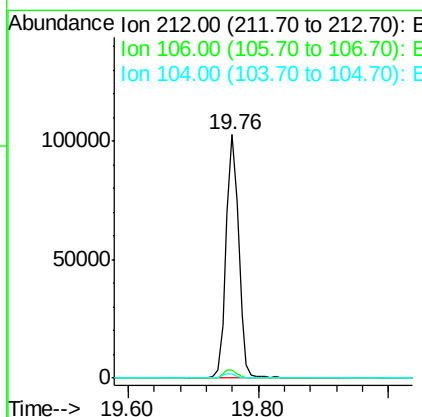
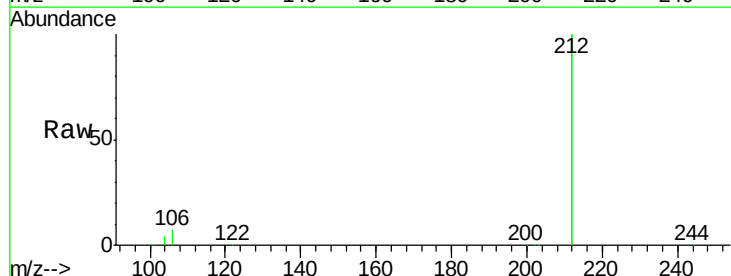
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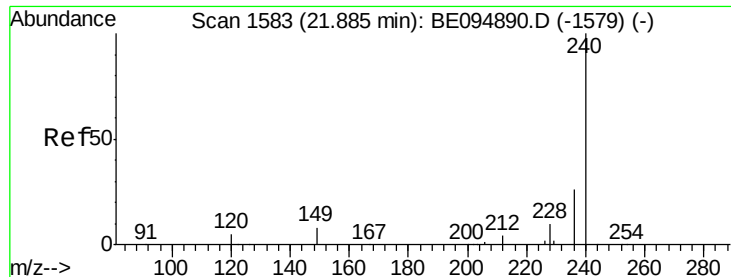
Tot Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 86.2 72.5 108.7
 268 93.1 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.379 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094928.D
 Acq: 5 Dec 2017 23:11

Tgt Ion:212 Resp: 136321
 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: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

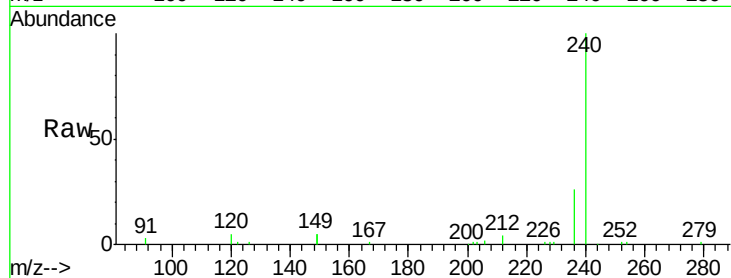
Tot Ion:240 Resp: 27521

Ion Ratio Lower Upper

240 100

120 5.3 5.5 8.3#

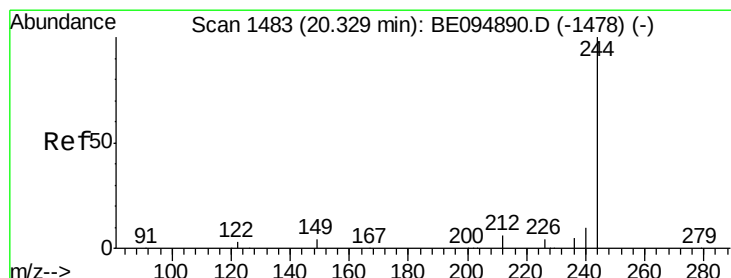
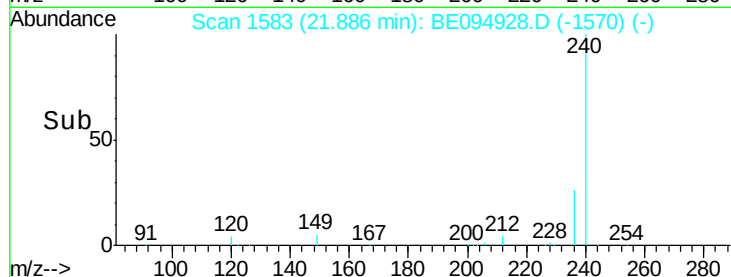
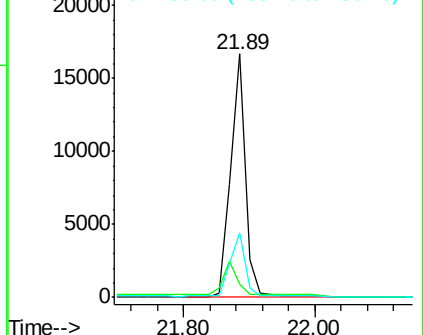
236 26.3 20.7 31.1



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: 0.511 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

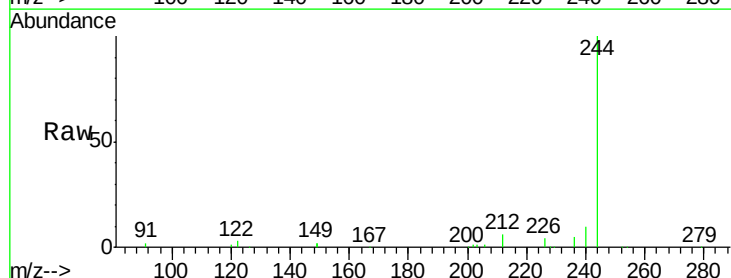
Tgt Ion:244 Resp: 25957

Ion Ratio Lower Upper

244 100

212 6.1 25.4 38.0#

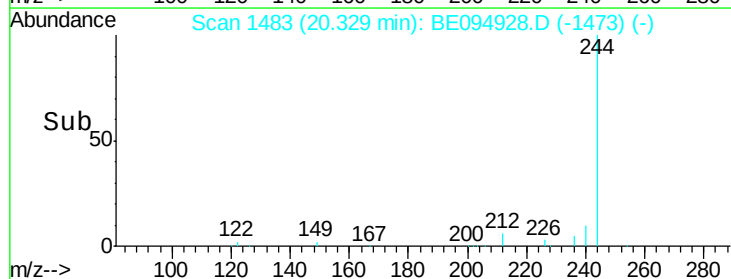
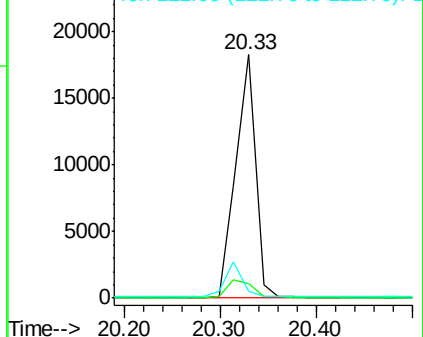
122 2.9 8.1 12.1#

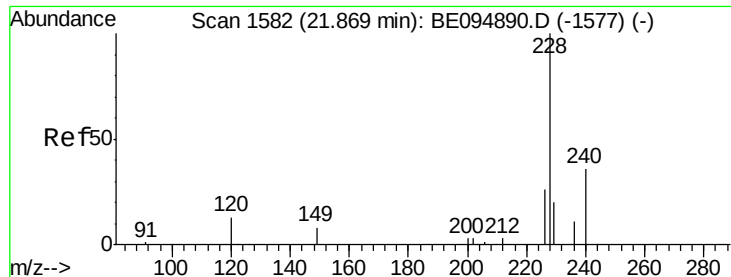


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

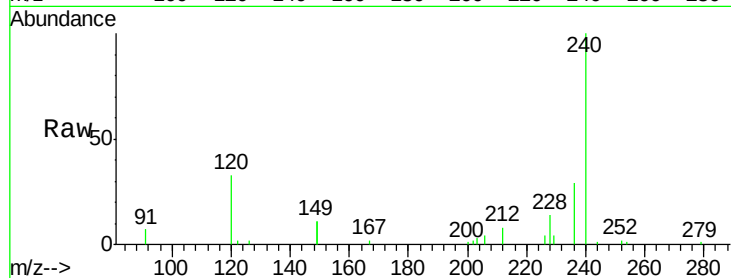
Tot Ion:228 Resp: 2008

Ion Ratio Lower Upper

228 100

226 28.1 40.0 60.0#

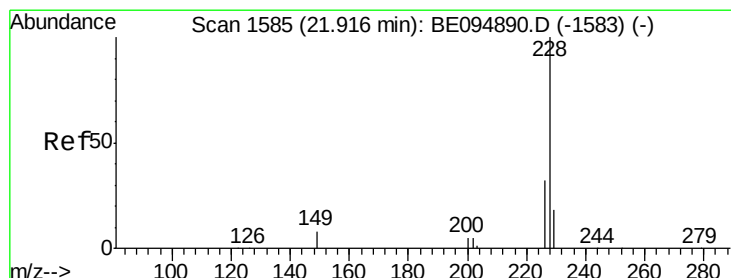
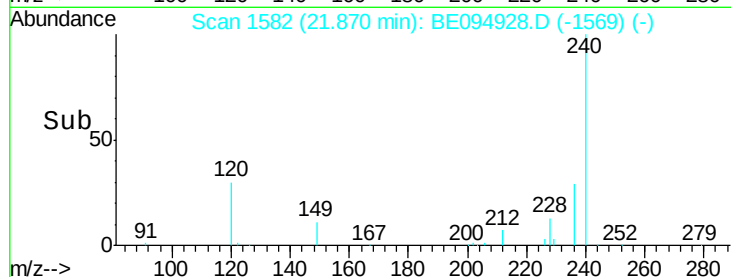
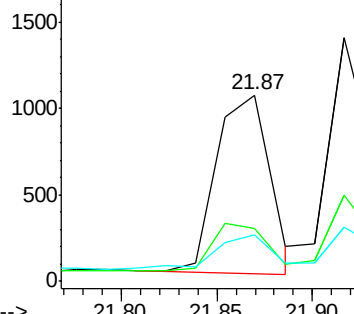
229 25.0 40.0 60.0#



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: 0.028 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

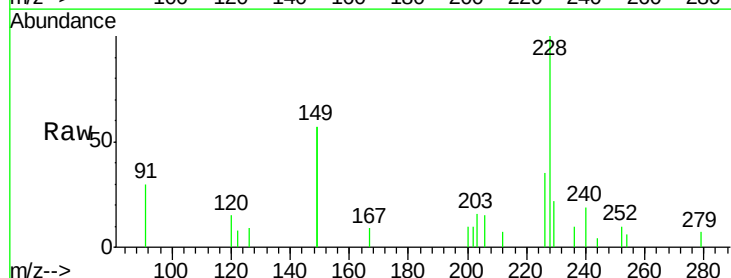
Tgt Ion:228 Resp: 2652

Ion Ratio Lower Upper

228 100

226 35.3 40.0 60.0#

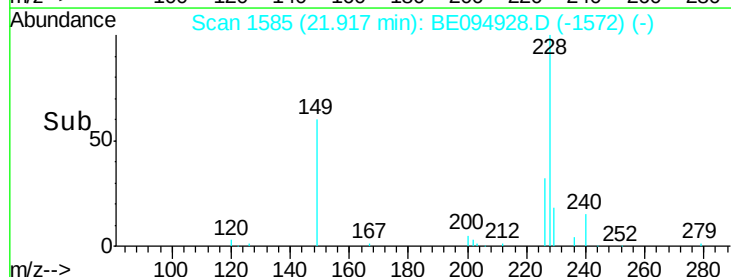
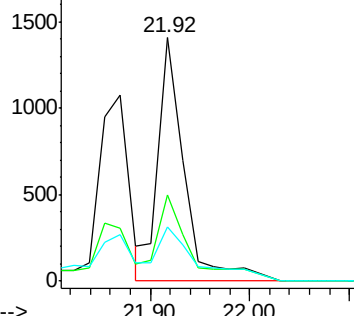
229 22.4 40.0 60.0#

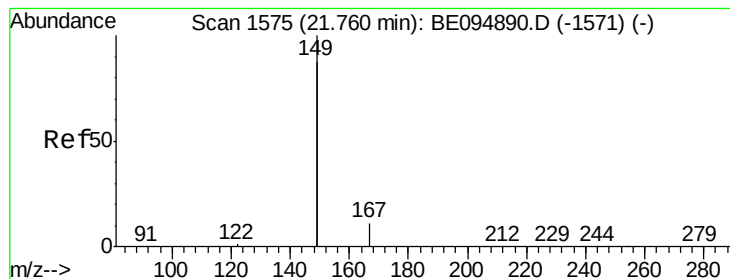


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.163 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

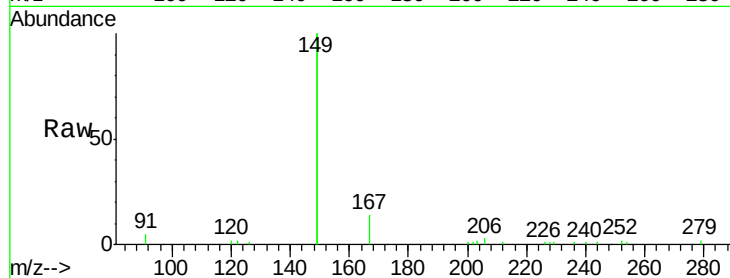
Tot Ion:149 Resp: 22822

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

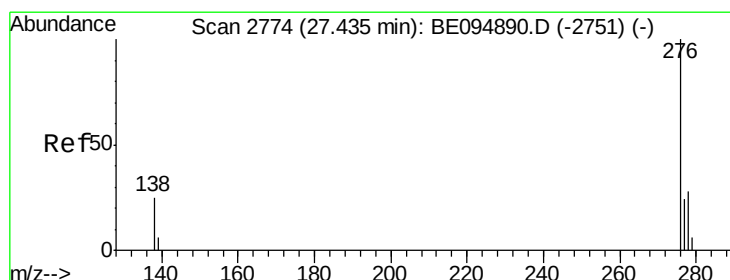
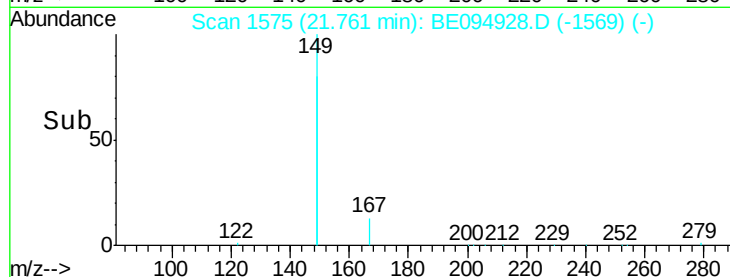
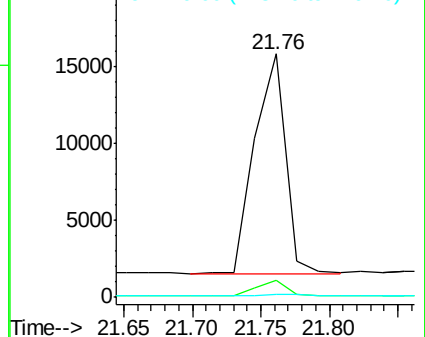
279 0.9 0.7 1.1



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: 0.024 ng

RT: 27.43 min Scan# 2773

Delta R.T. -0.01 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

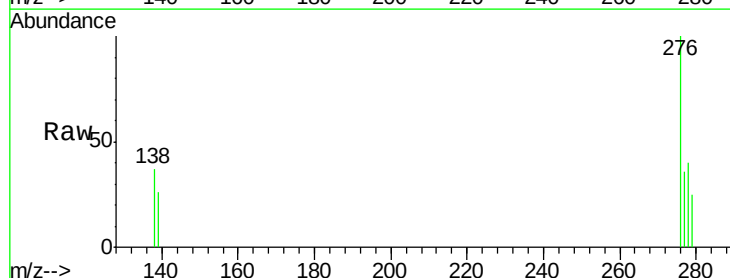
Tgt Ion:276 Resp: 1815

Ion Ratio Lower Upper

276 100

138 38.8 22.5 33.7#

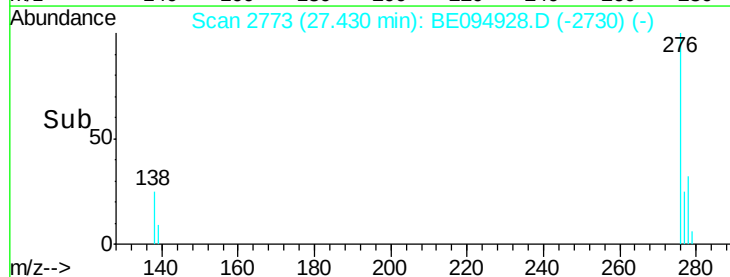
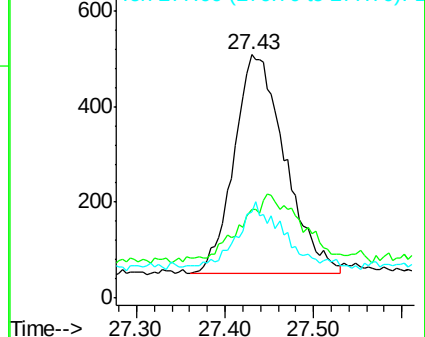
277 25.8 19.9 29.9

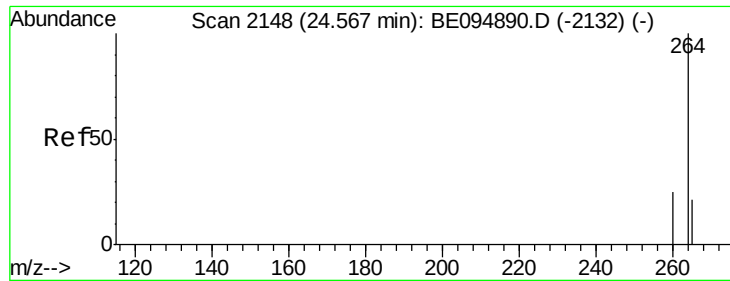


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

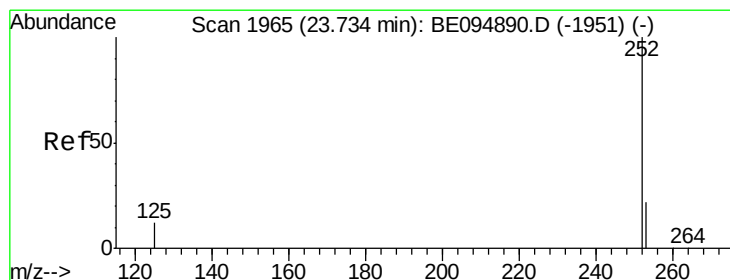
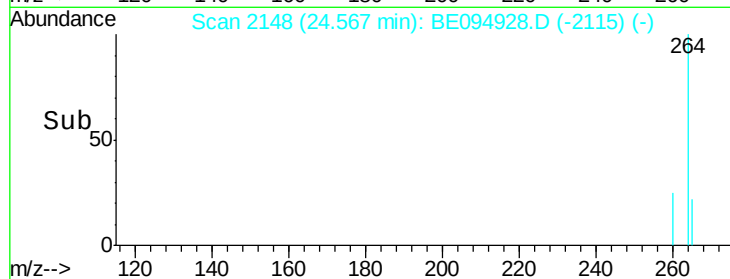
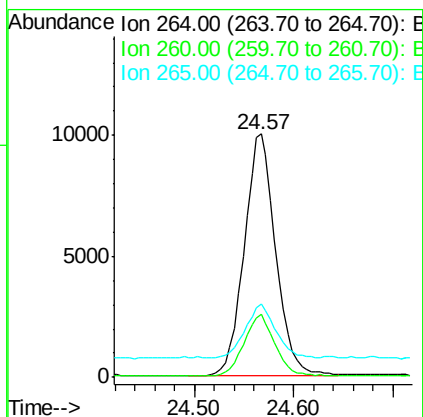
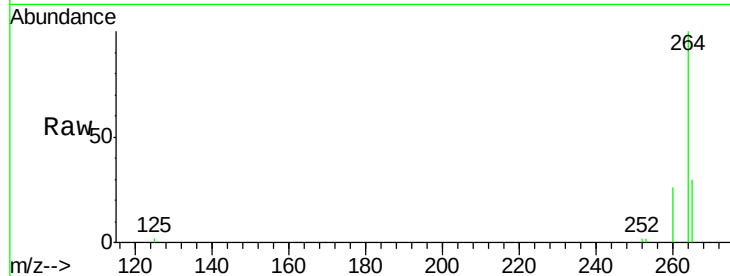




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: BE094928.D
 Acq: 5 Dec 2017 23:11

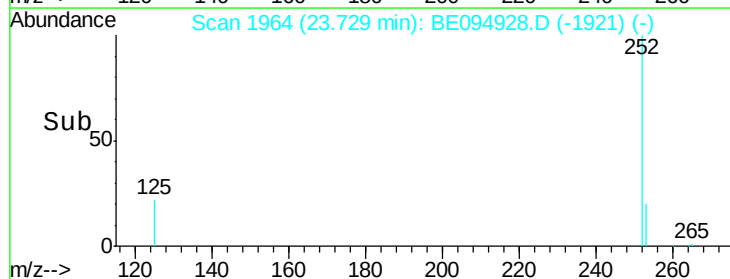
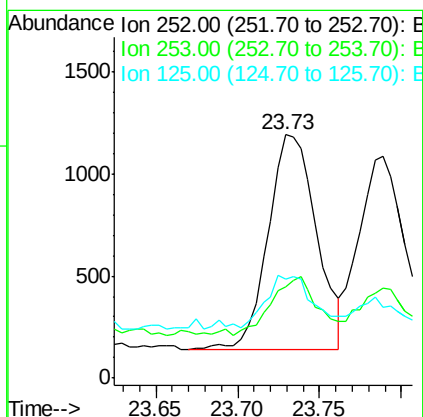
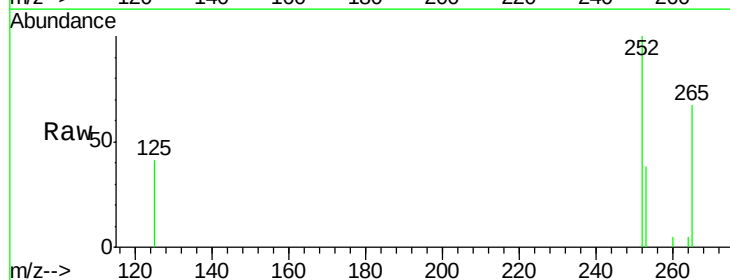
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW01I-20171130

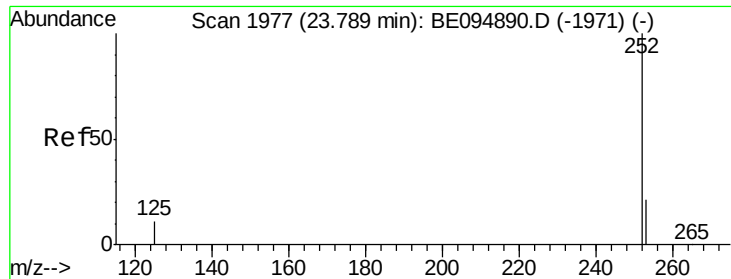
Tot Ion:264 Resp: 22067
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.5 30.7
 265 30.0 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.027 ng
 RT: 23.73 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BE094928.D
 Acq: 5 Dec 2017 23:11

Tgt Ion:252 Resp: 2164
 Ion Ratio Lower Upper
 252 100
 253 37.6 48.0 72.0#
 125 40.7 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 23.79 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

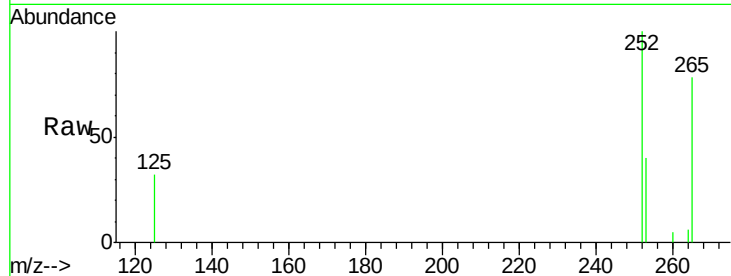
Tot Ion:252 Resp: 1794

Ion Ratio Lower Upper

252 100

253 40.4 48.0 72.0#

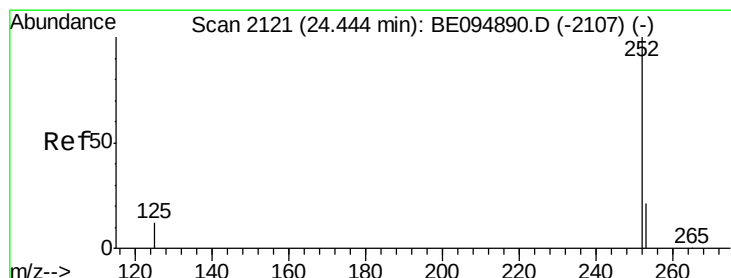
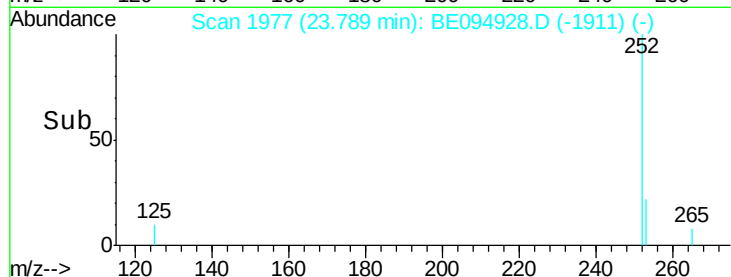
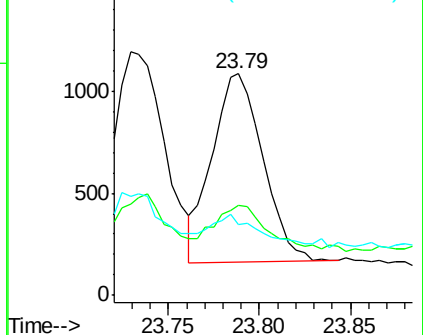
125 31.9 56.0 84.0#



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: 0.023 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

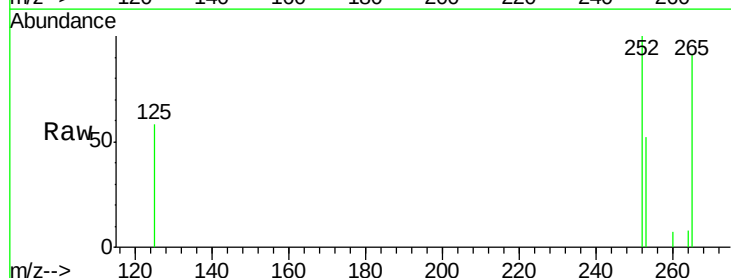
Tgt Ion:252 Resp: 1603

Ion Ratio Lower Upper

252 100

253 52.0 52.0 78.0#

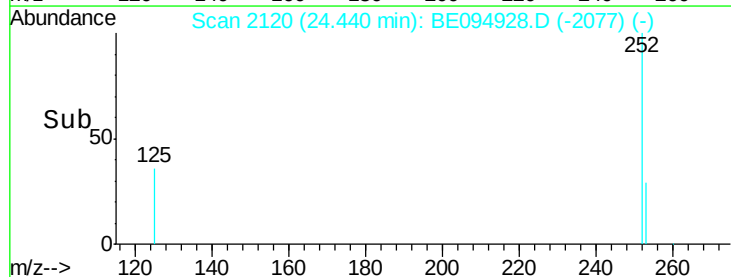
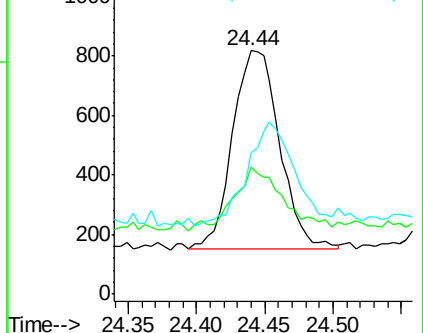
125 57.9 68.0 102.0#

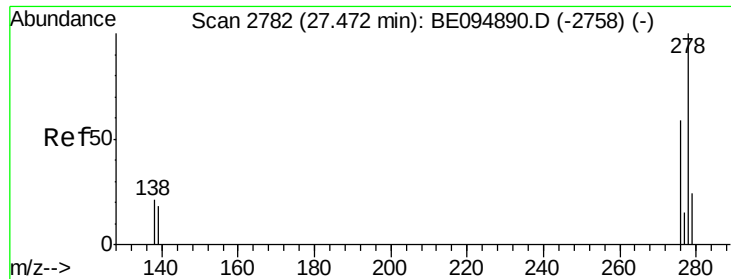


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.024 ng

RT: 27.47 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

Instrument :

BNA_E

ClientSampleId :

FT-MW01I-20171130

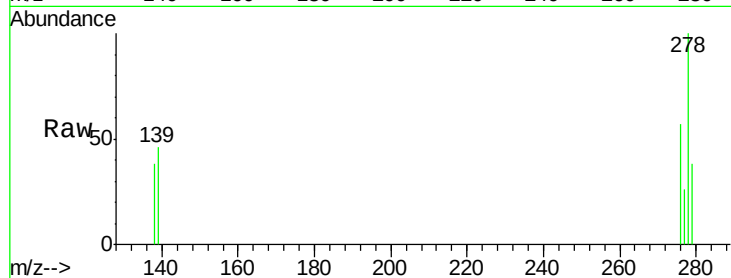
Tot Ion:278 Resp: 1554

Ion Ratio Lower Upper

278 100

139 46.3 56.0 84.0#

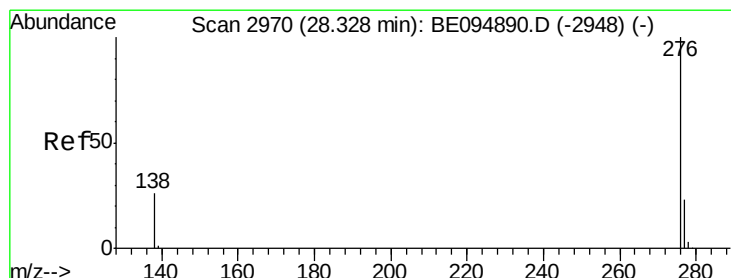
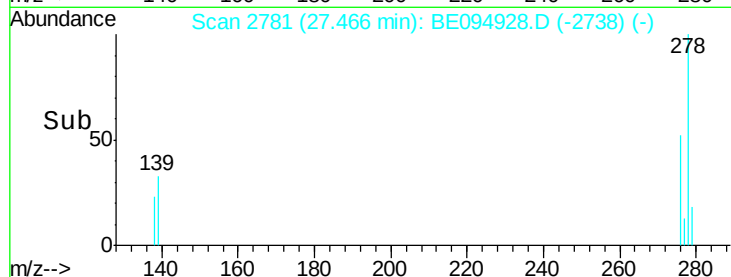
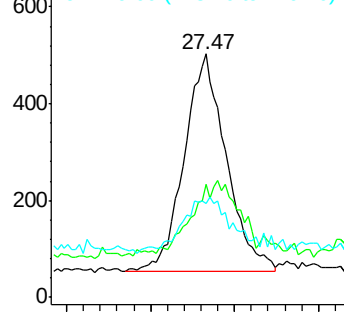
279 38.4 52.0 78.0#



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: 0.028 ng

RT: 28.33 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BE094928.D

Acq: 5 Dec 2017 23:11

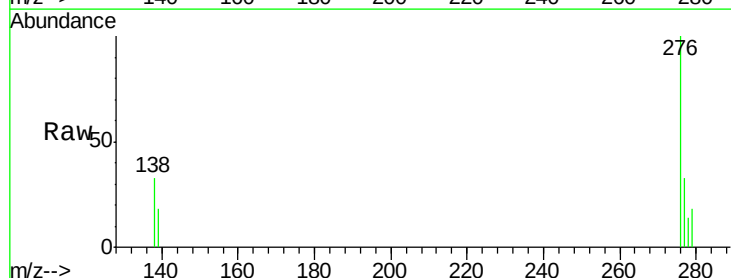
Tgt Ion:276 Resp: 1826

Ion Ratio Lower Upper

276 100

277 32.8 52.0 78.0#

138 32.8 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

