

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094924.D
 Acq On : 5 Dec 2017 20:51
 Operator : SJ/JU
 Sample : I6698-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW08I-20171129MSD

Quant Time: Dec 06 04:04:46 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	5537	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	12240	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	8035	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	16490	0.40	ng	0.01
27) Chrysene-d12	21.89	240	19267	0.40	ng	0.00
34) Perylene-d12	24.57	264	14011	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2777	0.32	ng	0.00
5) Phenol-d6	7.59	99	2722	0.21	ng	0.00
8) Nitrobenzene-d5	9.66	82	4760	0.66	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	12776	0.65	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1636	0.85	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	25166	0.73	ng	0.00
25) Fluoranthene-d10	19.76	212	139914	0.62	ng	0.00
29) Terphenyl-d14	20.33	244	28252	0.79	ng	0.00

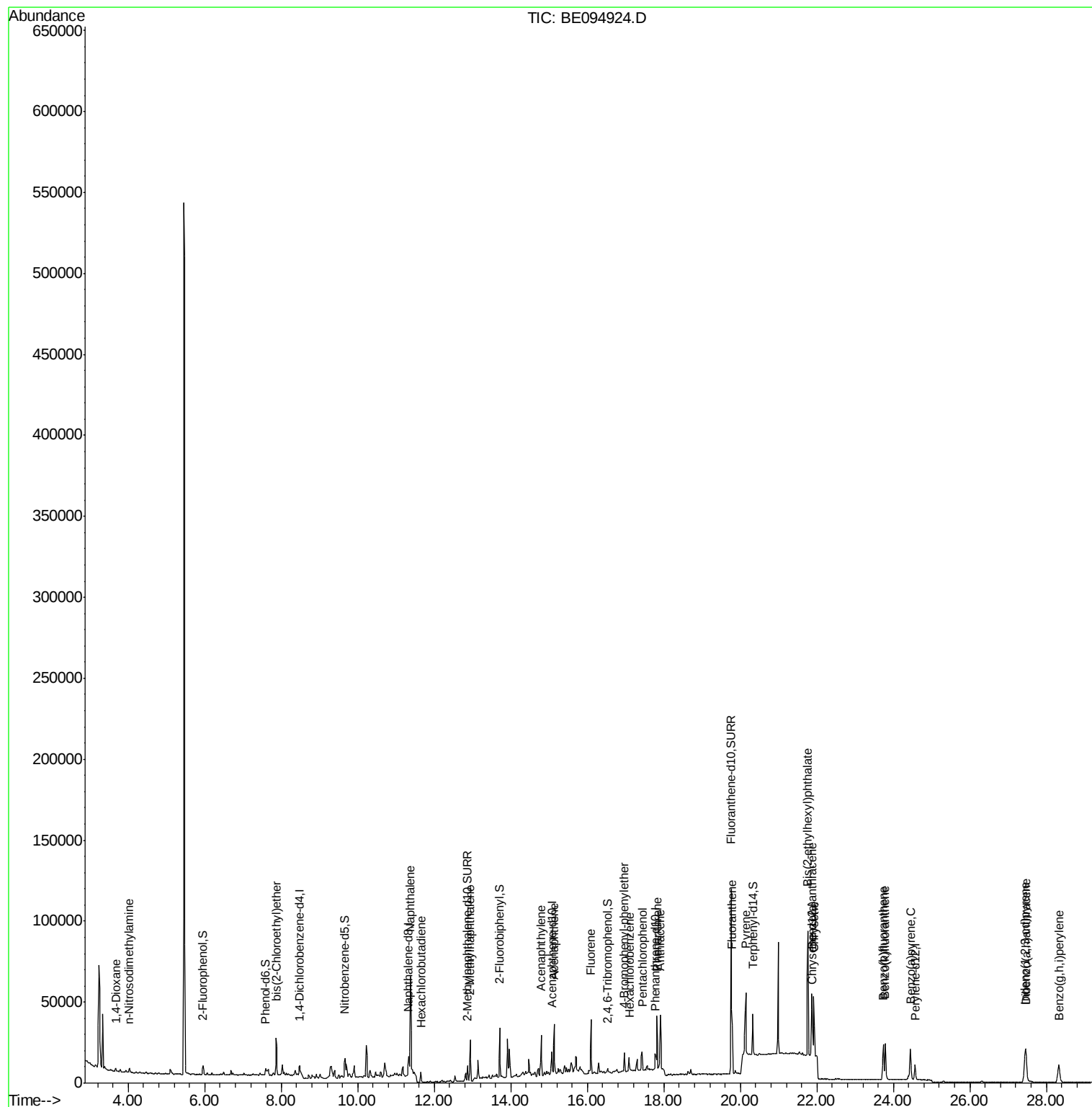
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.68	88	1406	0.243	ng	# 31
3) n-Nitrosodimethylamine	4.01	42	2049	0.278	ng	86
6) bis(2-Chloroethyl)ether	7.88	93	8216	0.638	ng	97
9) Naphthalene	11.38	128	97501	0.679	ng	100
10) Hexachlorobutadiene	11.64	225	3904	0.645	ng	97
12) 2-Methylnaphthalene	12.94	142	25105	0.704	ng	94
16) Acenaphthylene	14.79	152	26708	0.588	ng	# 92
17) Acenaphthene	15.13	154	16198	0.552	ng	92
18) Fluorene	16.10	166	22017	0.590	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	6290	0.684	ng	# 48
21) Hexachlorobenzene	17.10	284	5835	0.650	ng	# 72
22) Pentachlorophenol	17.43	266	6201	2.220	ng	# 72
23) Phenanthrene	17.82	178	34981	0.666	ng	# 95
24) Anthracene	17.91	178	43208	0.776	ng	# 88
26) Fluoranthene	19.79	202	42593	0.631	ng	99
28) Pyrene	20.14	202	43560	0.655	ng	# 93
30) Benzo(a)anthracene	21.87	228	37723	0.638	ng	# 63
31) Chrysene	21.92	228	40859	0.626	ng	# 66
32) Bis(2-ethylhexyl)phthalate	21.76	149	112313	1.147	ng	99
33) Indeno(1,2,3-cd)pyrene	27.44	276	33284	0.623	ng	99
35) Benzo(b)fluoranthene	23.73	252	33444	0.654	ng	# 42
36) Benzo(k)fluoranthene	23.79	252	33320	0.639	ng	# 40
37) Benzo(a)pyrene	24.44	252	31500	0.702	ng	# 34
38) Dibenzo(a,h)anthracene	27.47	278	27275	0.658	ng	# 44
39) Benzo(g,h,i)perylene	28.33	276	28104	0.679	ng	# 51

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

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QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

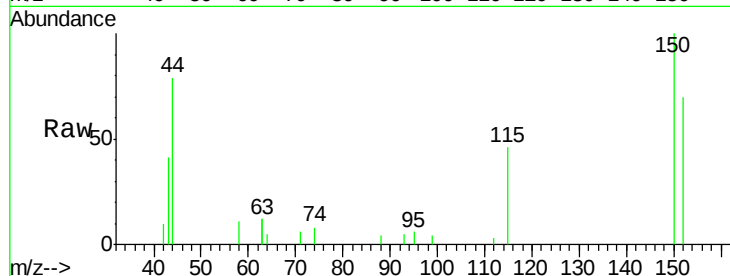
Tot Ion:152 Resp: 5537

Ion Ratio Lower Upper

152 100

150 143.6 117.2 175.8

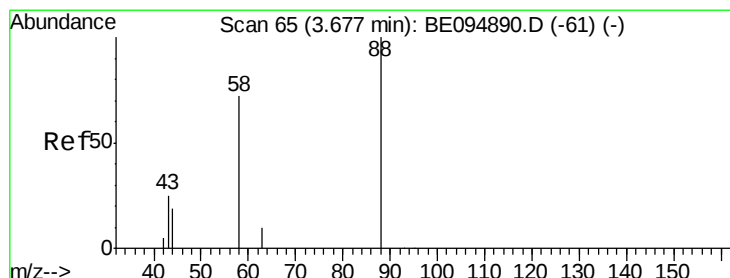
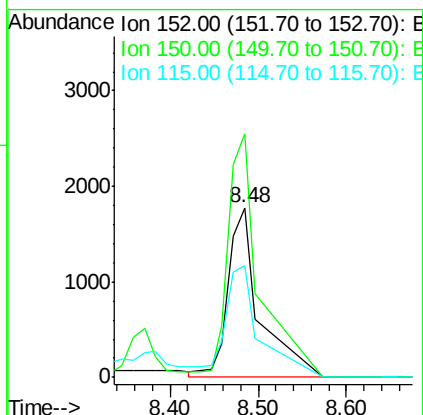
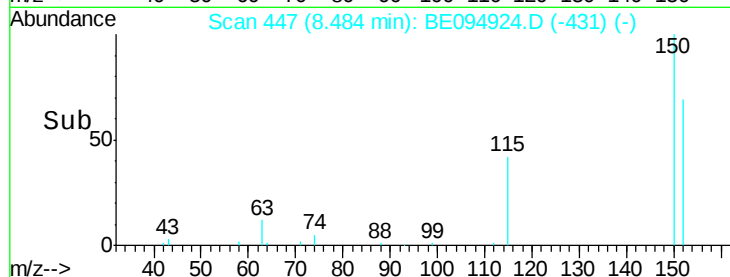
115 66.0 57.0 85.6



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: 0.243 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

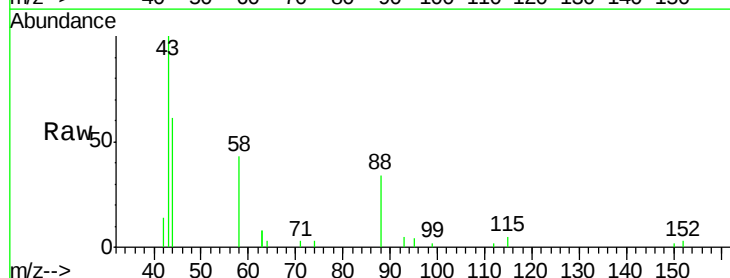
Tgt Ion: 88 Resp: 1406

Ion Ratio Lower Upper

88 100

58 130.4 63.2 94.8#

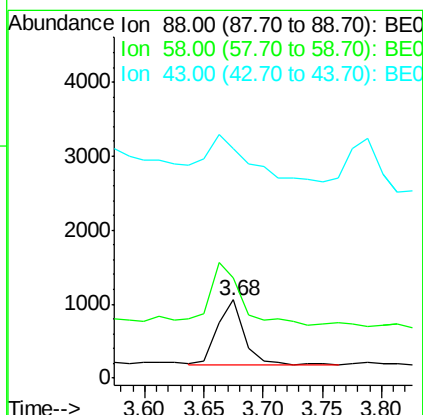
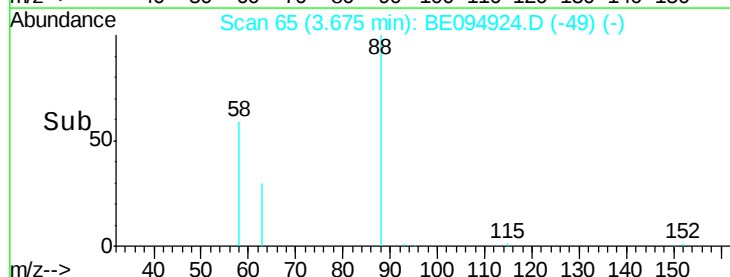
43 110.5 41.2 61.8#

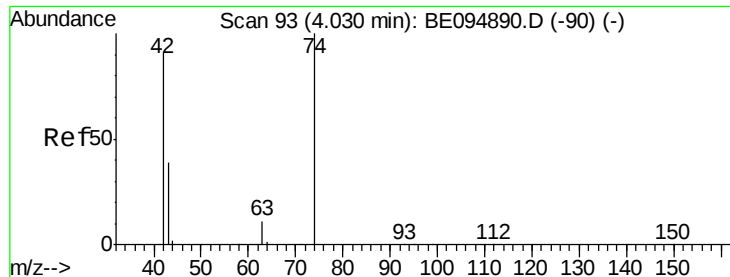


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.278 ng

RT: 4.01 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

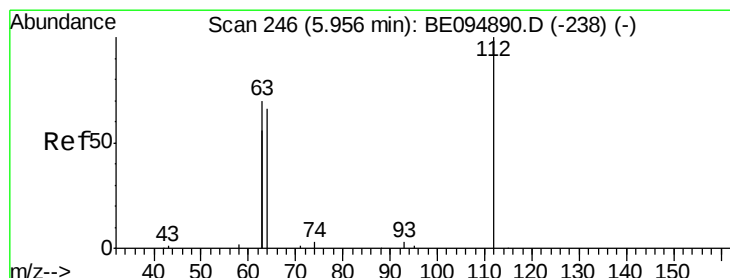
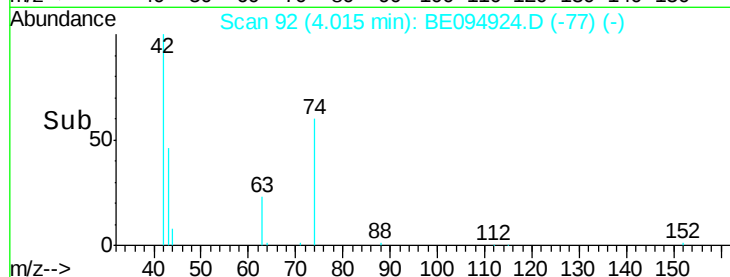
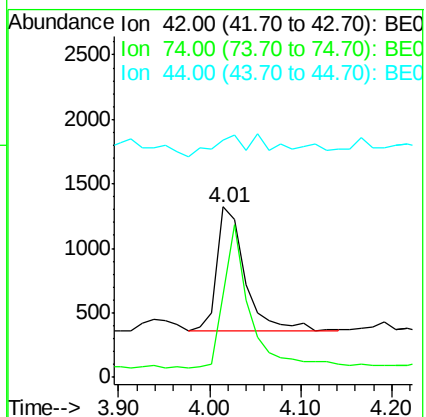
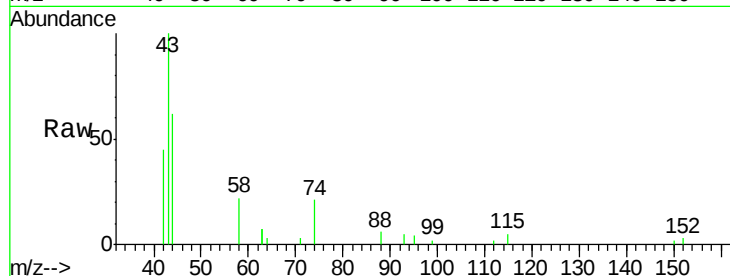
Tot Ion: 42 Resp: 2049

Ion Ratio Lower Upper

42 100

74 107.2 100.3 150.5

44 18.4 17.0 25.4



#4

2-Fluorophenol

Concen: 0.317 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

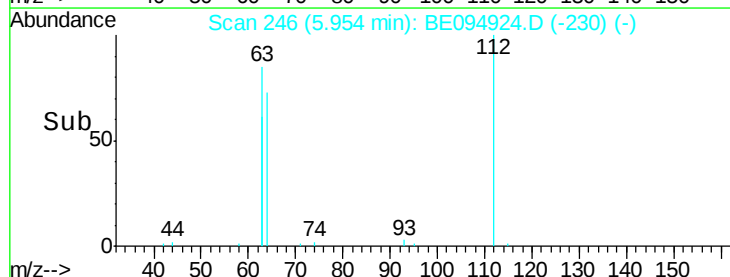
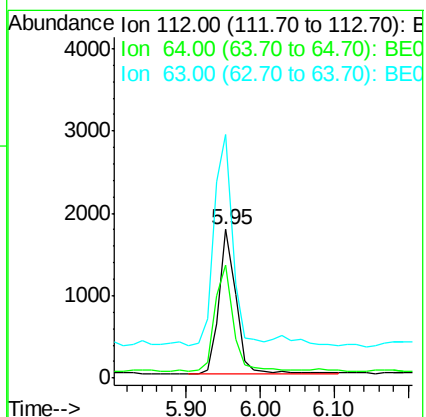
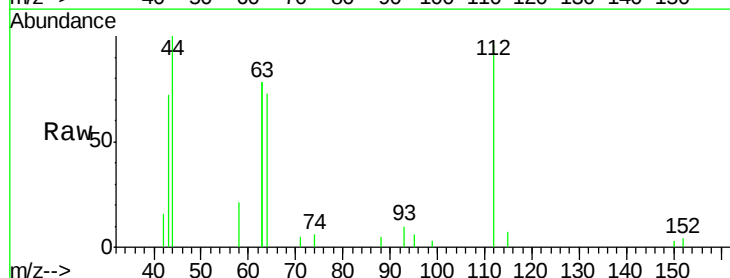
Tgt Ion: 112 Resp: 2777

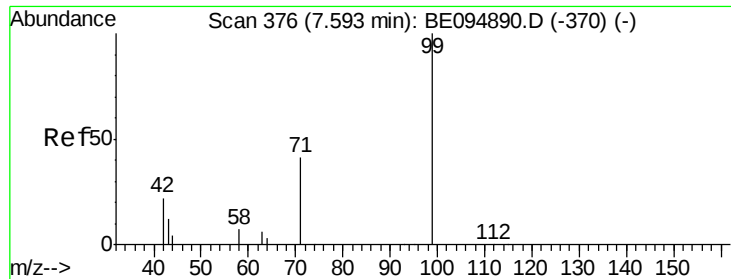
Ion Ratio Lower Upper

112 100

64 80.9 60.1 90.1

63 158.1 116.8 175.2





#5

Phenol-d6

Concen: 0.210 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

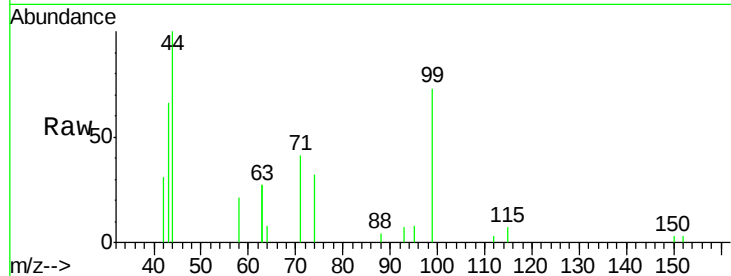
Tot Ion: 99 Resp: 2722

Ion Ratio Lower Upper

99 100

42 31.0 20.2 30.2#

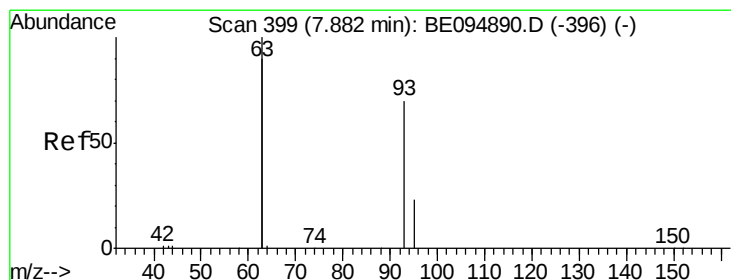
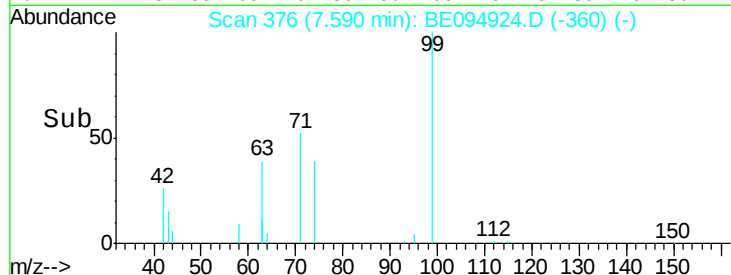
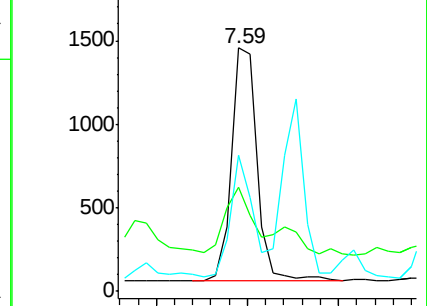
71 43.8 28.4 42.6#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.638 ng

RT: 7.88 min Scan# 399

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

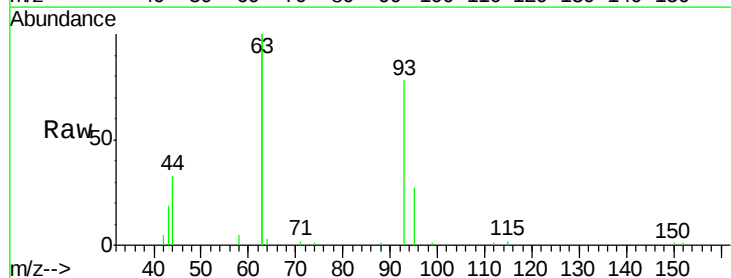
Tgt Ion: 93 Resp: 8216

Ion Ratio Lower Upper

93 100

63 338.0 275.3 412.9

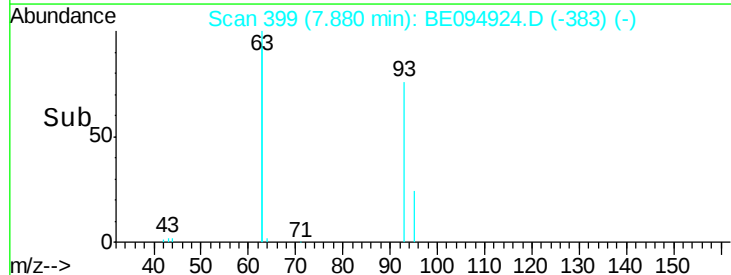
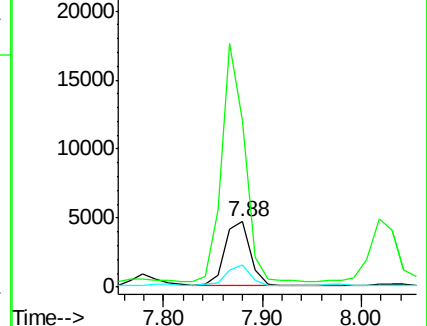
95 31.1 25.2 37.8

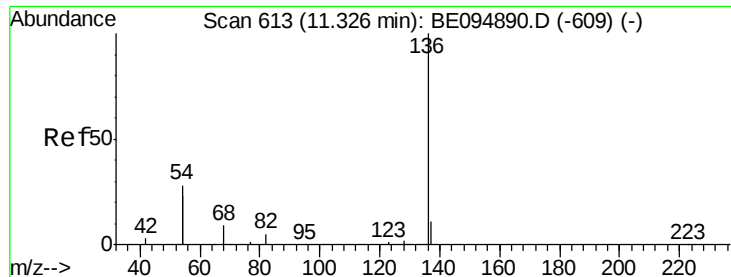


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

Tot Ion:136 Resp: 12240

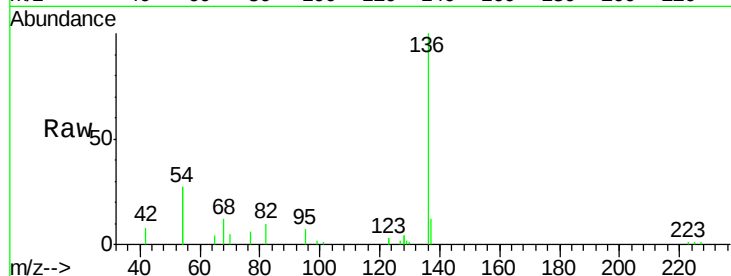
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 54.7 29.1 43.7#

68 12.2 6.2 9.2#

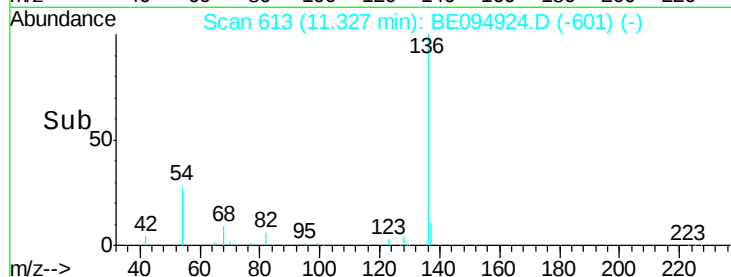


Abundance Ion 136.00 (135.70 to 136.70): E

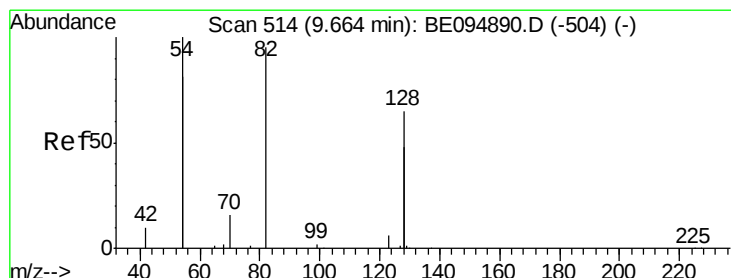
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.657 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

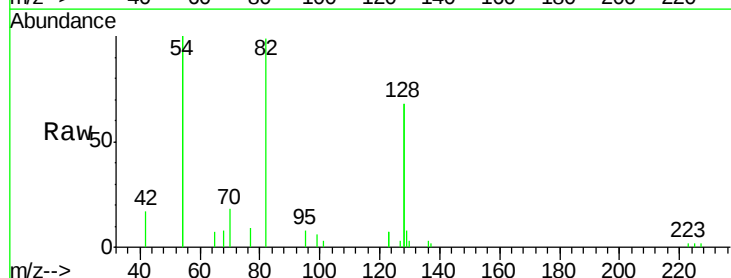
Tgt Ion: 82 Resp: 4760

Ion Ratio Lower Upper

82 100

128 137.1 150.0 225.0#

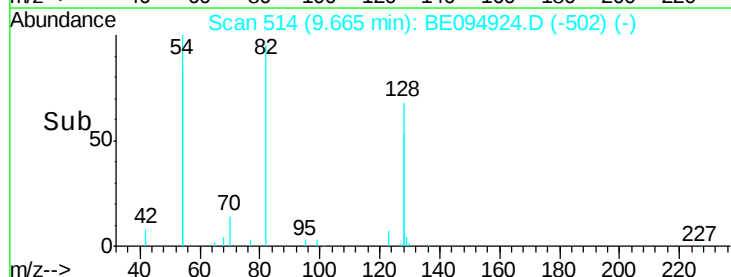
54 201.6 154.2 231.4



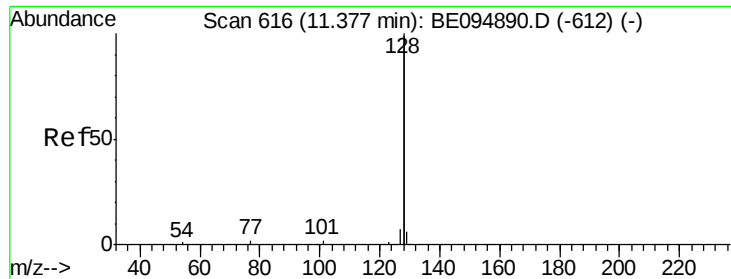
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.679 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

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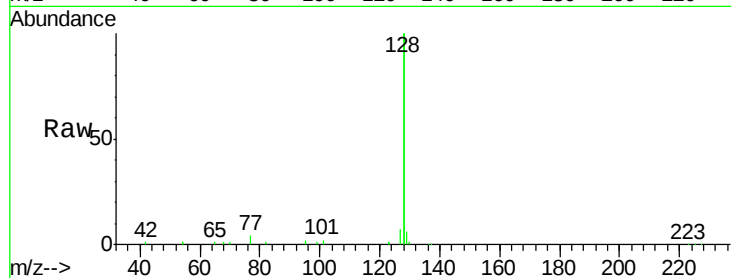
Tot Ion:128 Resp: 97501

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

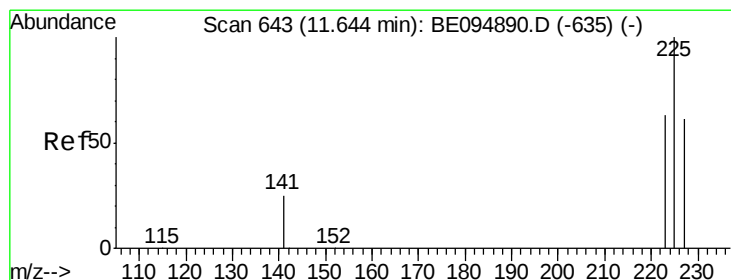
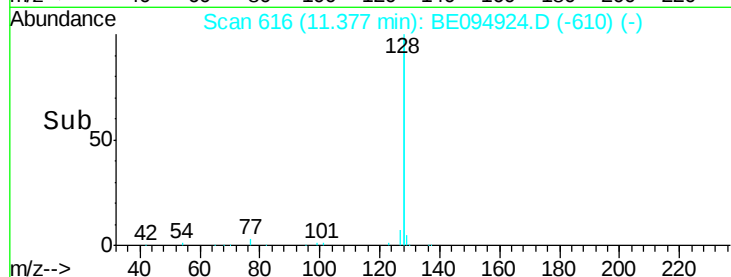
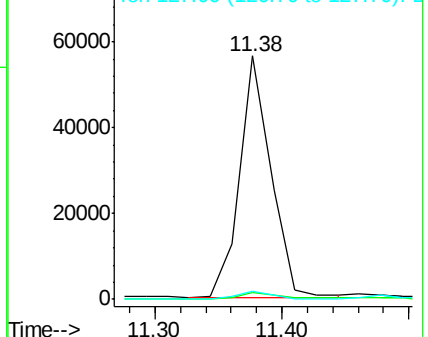
127 3.5 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.645 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

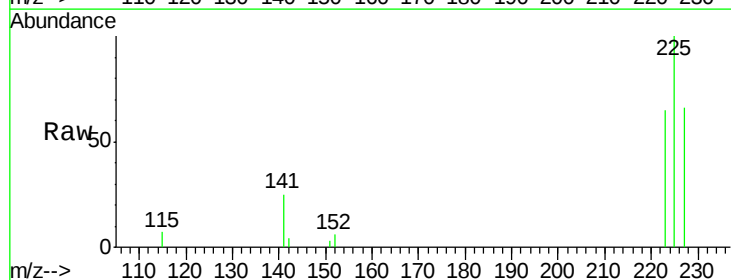
Tgt Ion:225 Resp: 3904

Ion Ratio Lower Upper

225 100

223 61.9 53.0 79.6

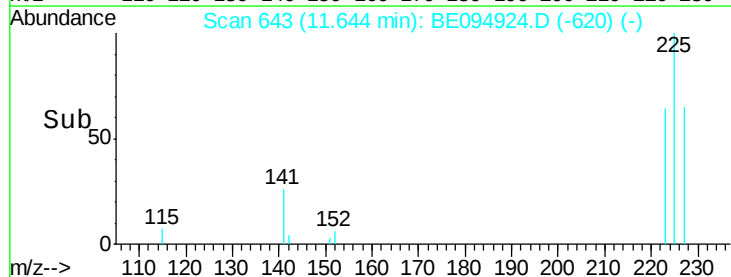
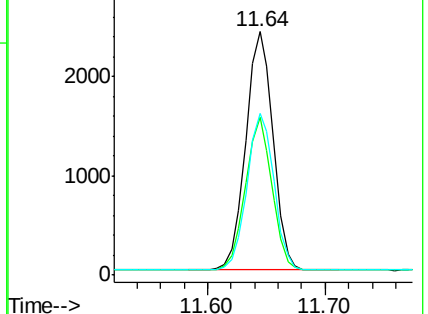
227 64.9 51.4 77.2

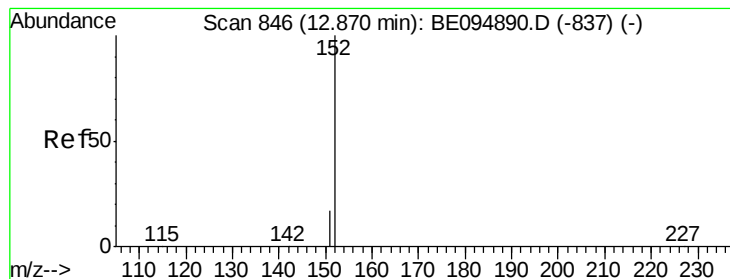


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.654 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

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ClientSampleId :

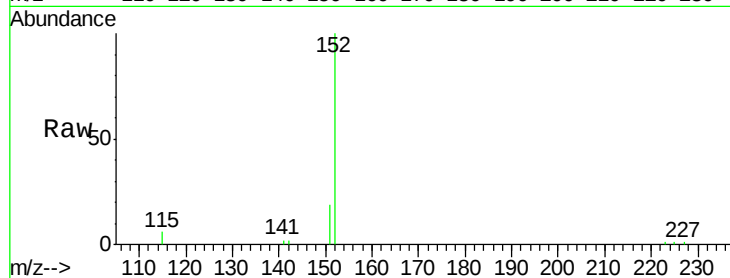
FT-MW08I-20171129MSD

Tot Ion:152 Resp: 12776

Ion Ratio Lower Upper

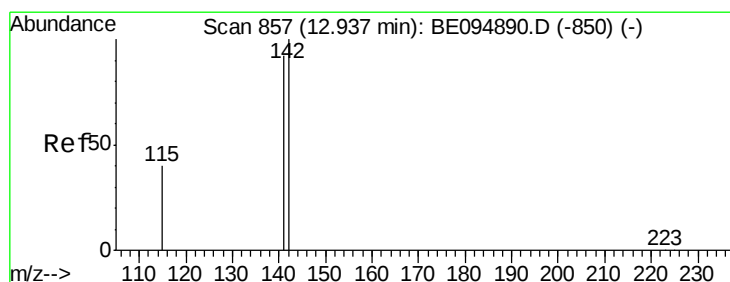
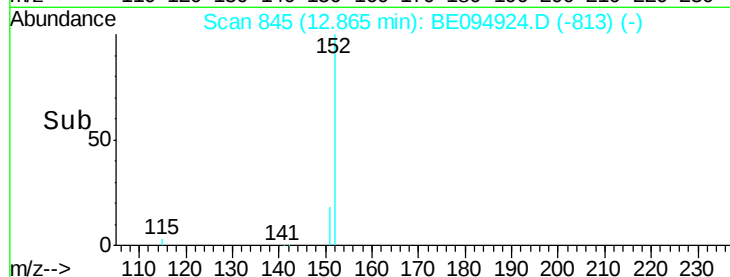
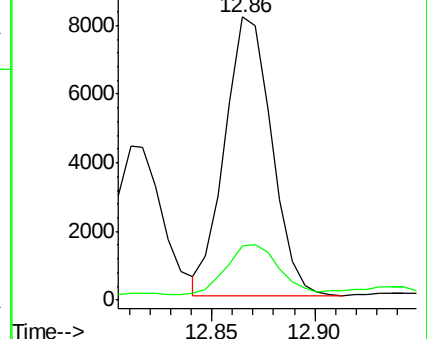
152 100

151 21.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.704 ng

RT: 12.94 min Scan# 857

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

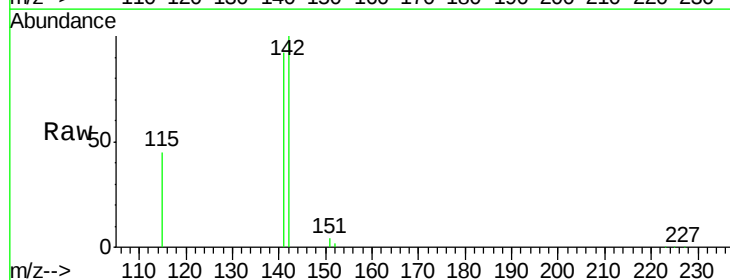
Tgt Ion:142 Resp: 25105

Ion Ratio Lower Upper

142 100

141 92.2 70.4 105.6

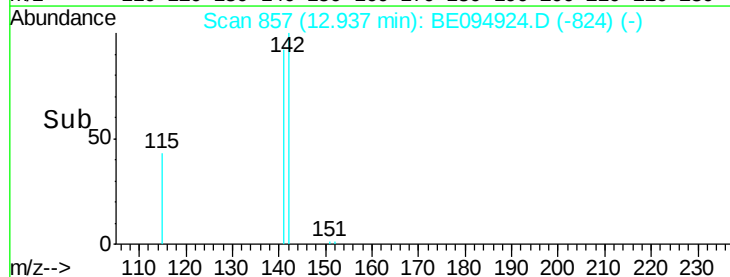
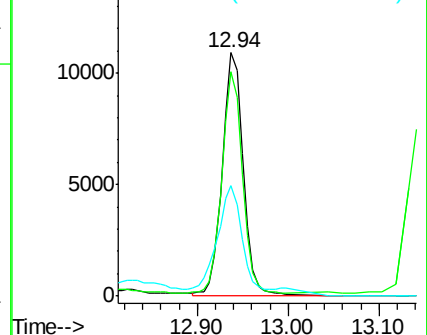
115 45.3 31.7 47.5

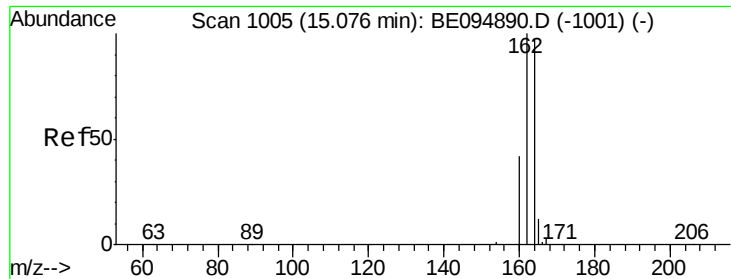


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.07 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094924.D

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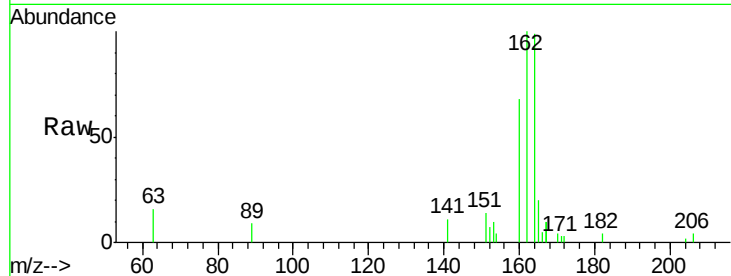
Tot Ion:164 Resp: 8035

Ion Ratio Lower Upper

164 100

162 100.9 83.1 124.7

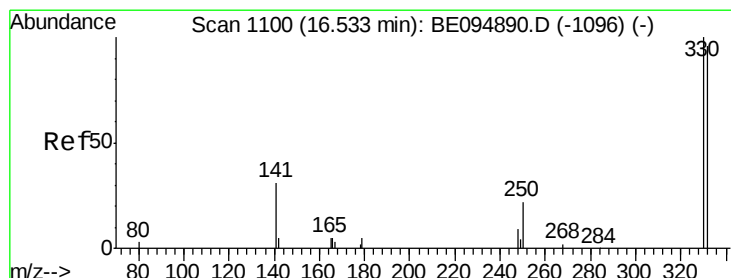
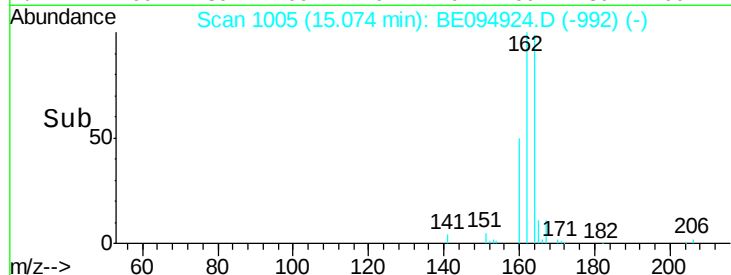
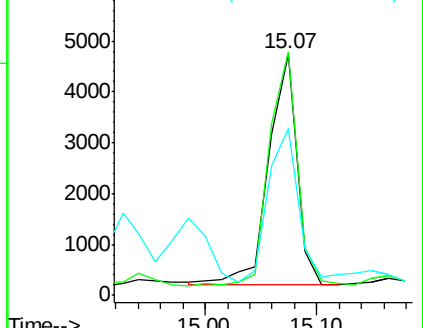
160 69.1 37.1 55.7#



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: 0.847 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

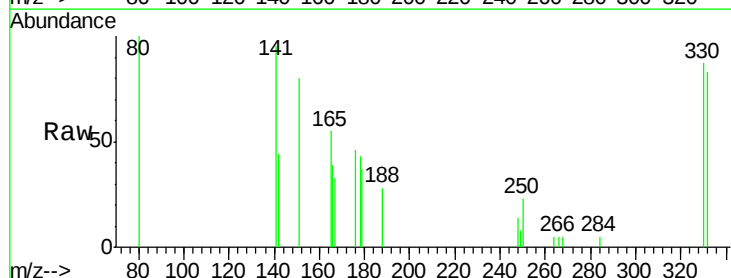
Tgt Ion:330 Resp: 1636

Ion Ratio Lower Upper

330 100

332 96.9 152.7 229.1#

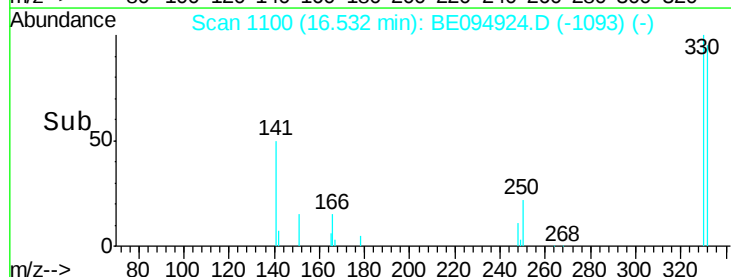
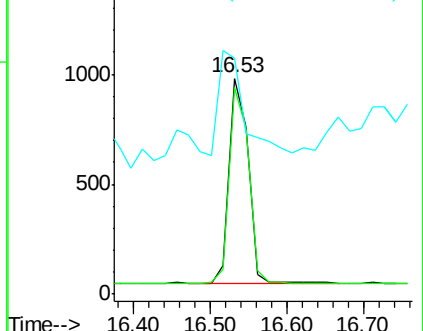
141 61.6 33.7 50.5#

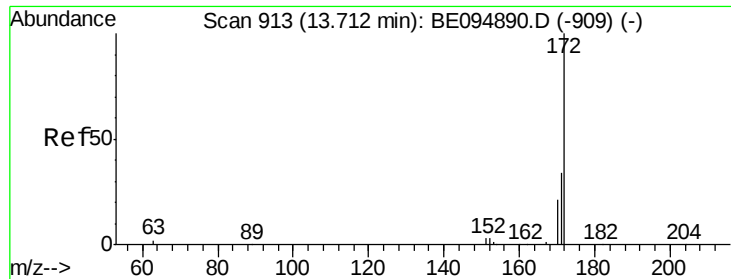


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

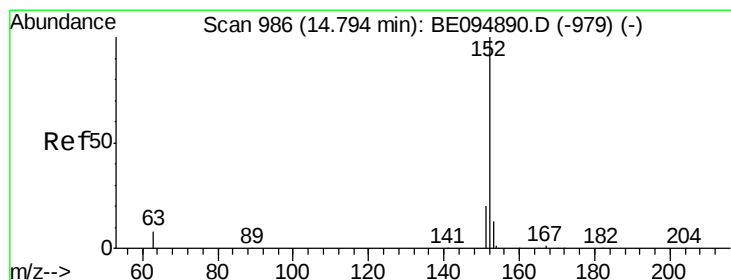
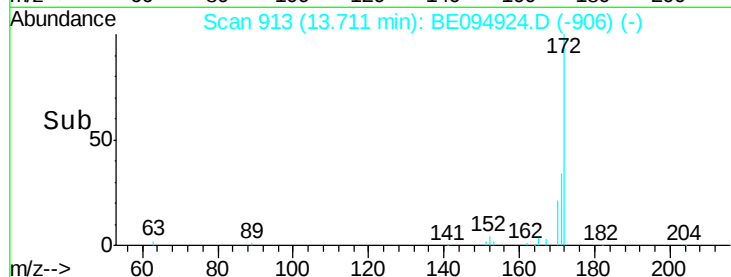
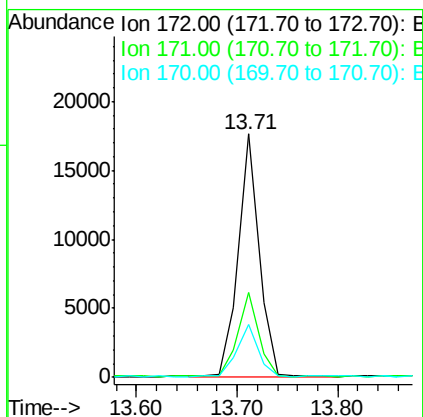
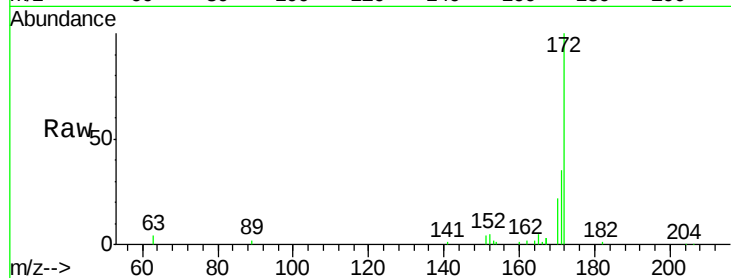




#15
2-Fluorobiphenyl
Concen: 0.731 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094924.D
Acq: 5 Dec 2017 20:51

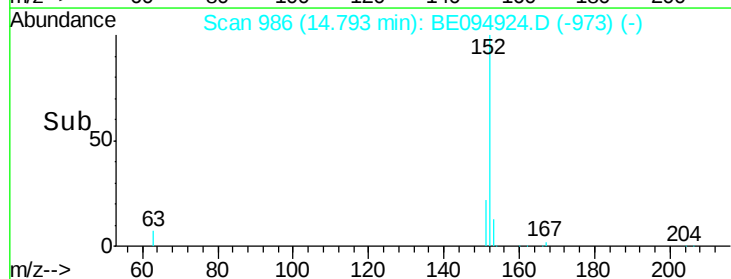
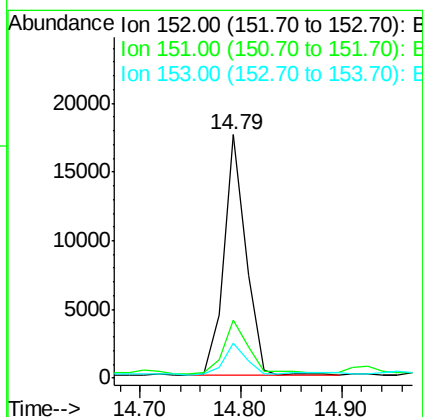
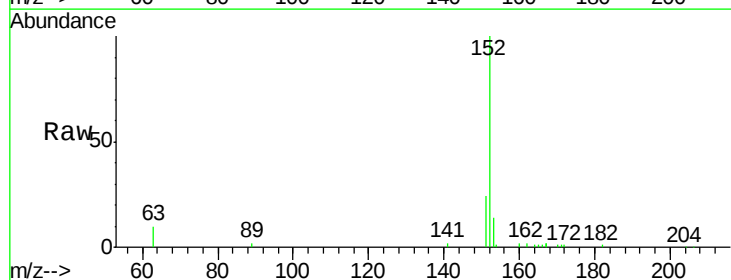
Instrument :
BNA_E
ClientSampleId :
FT-MW08I-20171129MSD

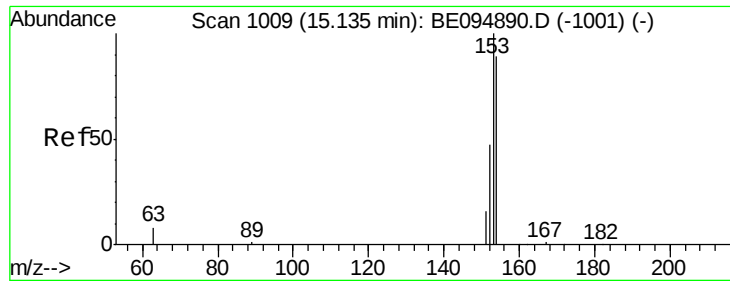
Tot Ion:172 Resp: 25166
Ion Ratio Lower Upper
172 100
171 34.8 29.9 44.9
170 21.7 21.8 32.8#



#16
Acenaphthylene
Concen: 0.588 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094924.D
Acq: 5 Dec 2017 20:51

Tgt Ion:152 Resp: 26708
Ion Ratio Lower Upper
152 100
151 25.3 15.7 23.5#
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.552 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

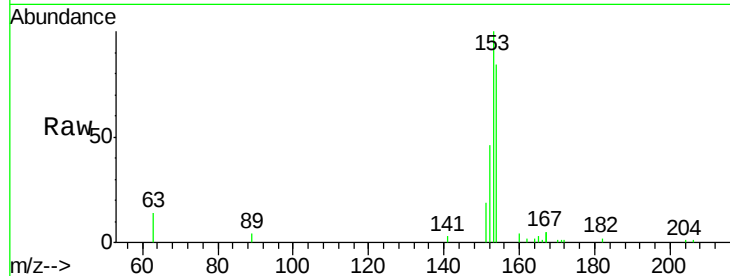
Tot Ion:154 Resp: 16198

Ion Ratio Lower Upper

154 100

153 120.7 89.2 133.8

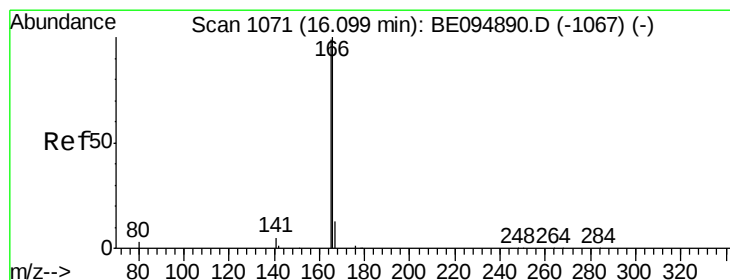
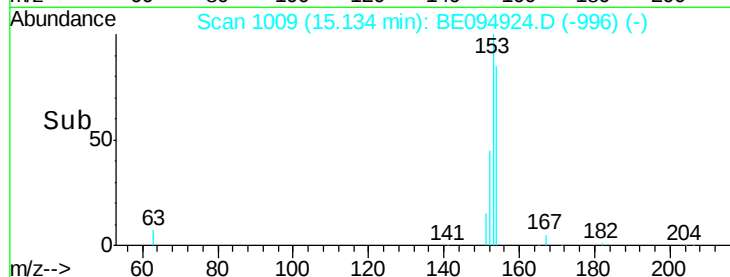
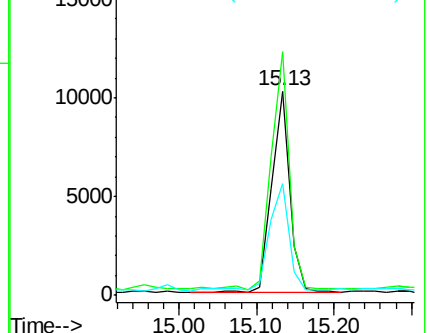
152 57.3 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.590 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

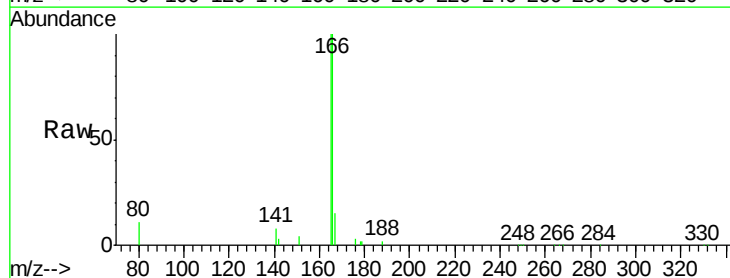
Tgt Ion:166 Resp: 22017

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.6

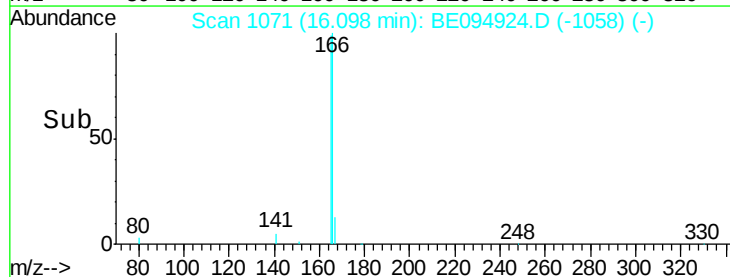
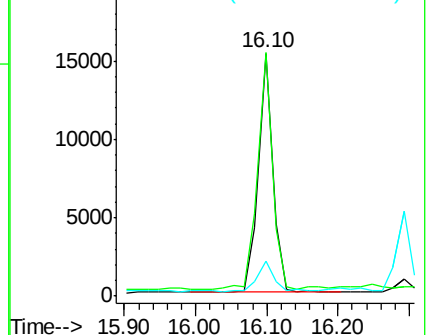
167 14.0 42.4 63.6#

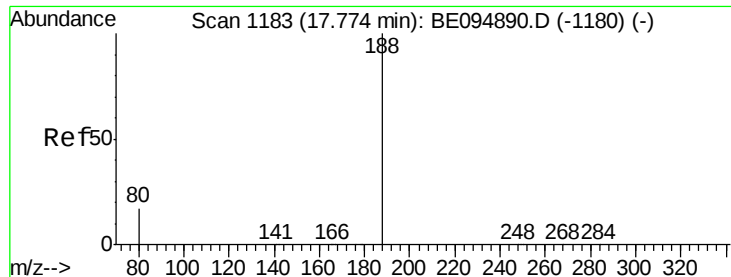


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

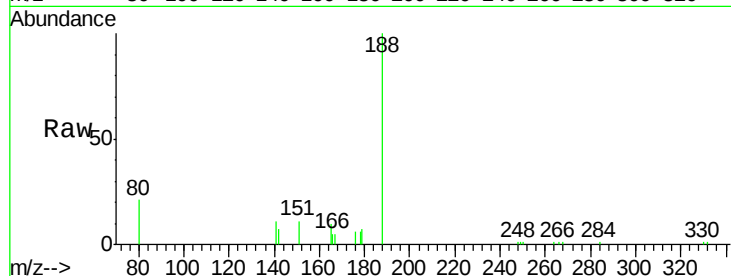
Tot Ion:188 Resp: 16490

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

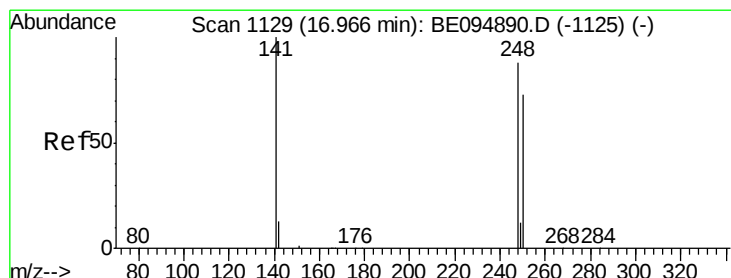
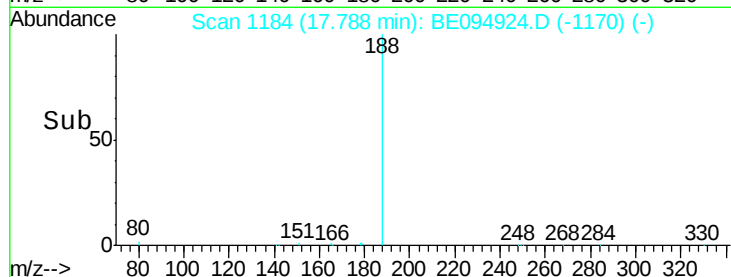
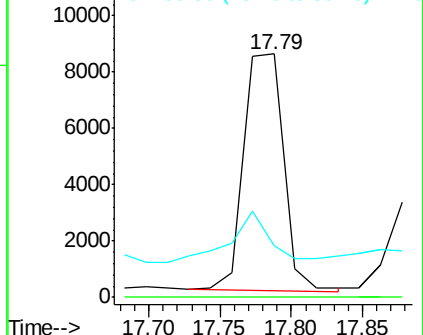
80 21.1 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.684 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

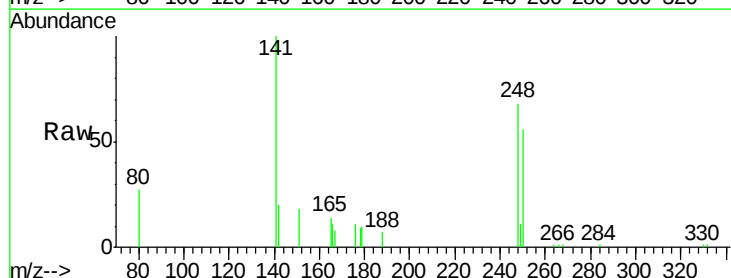
Tgt Ion:248 Resp: 6290

Ion Ratio Lower Upper

248 100

250 81.5 62.7 94.1

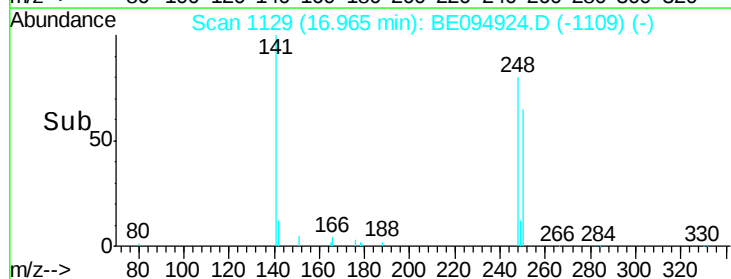
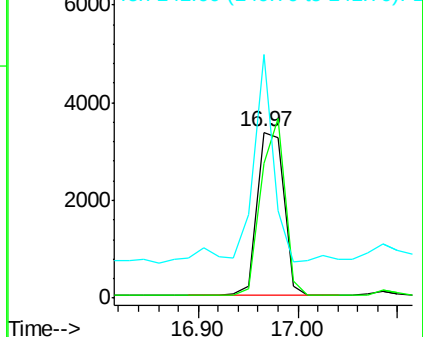
141 146.6 48.2 72.2#

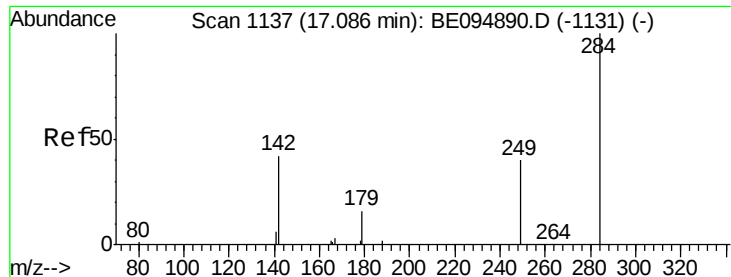


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.650 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

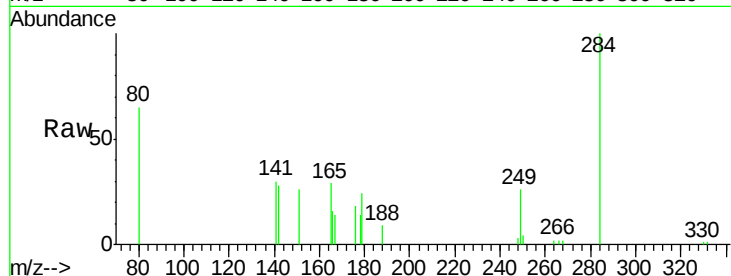
Tot Ion:284 Resp: 5835

Ion Ratio Lower Upper

284 100

142 54.5 22.1 33.1#

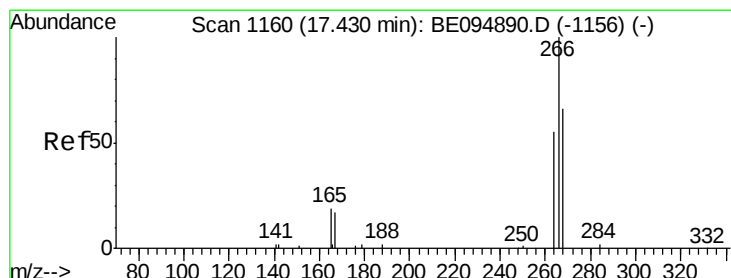
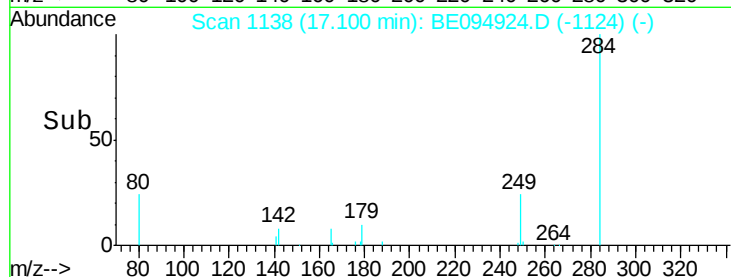
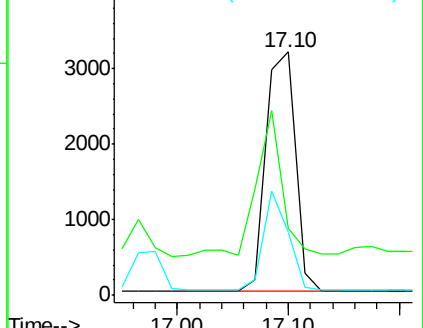
249 35.3 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 2.220 ng

RT: 17.43 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

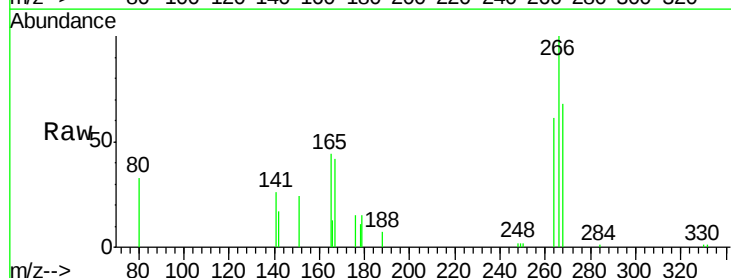
Tgt Ion:266 Resp: 6201

Ion Ratio Lower Upper

266 100

264 61.2 72.5 108.7#

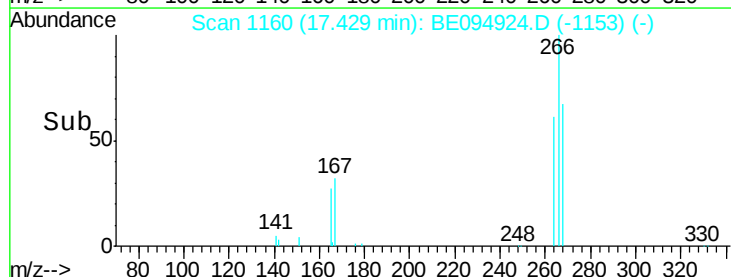
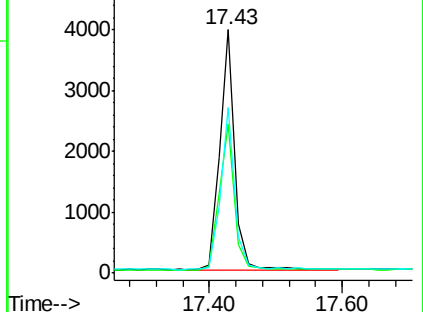
268 67.9 73.8 110.6#

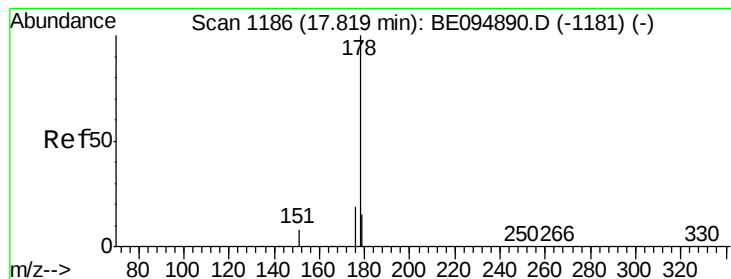


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.666 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

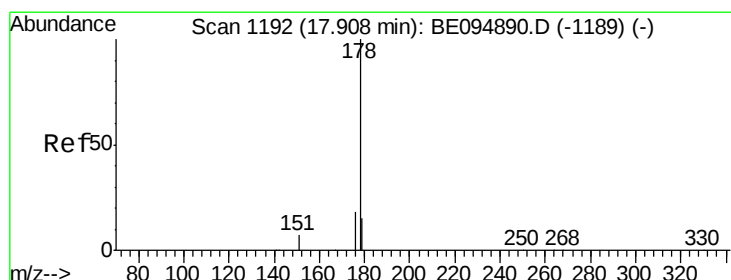
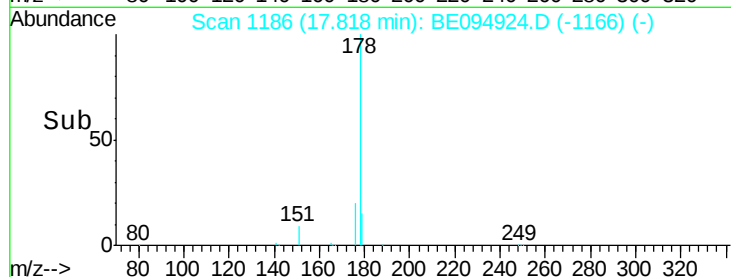
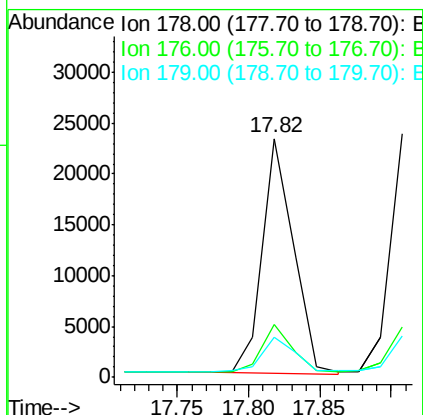
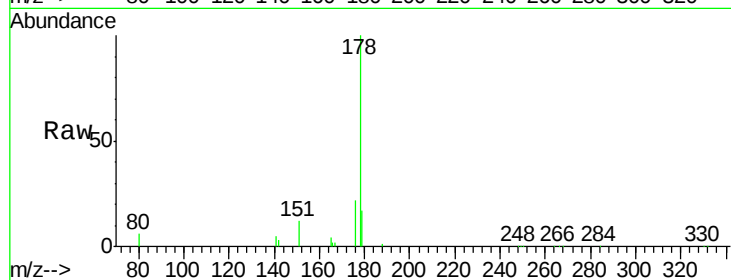
Tot Ion:178 Resp: 34981

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

179 18.0 11.8 17.6#



#24

Anthracene

Concen: 0.776 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

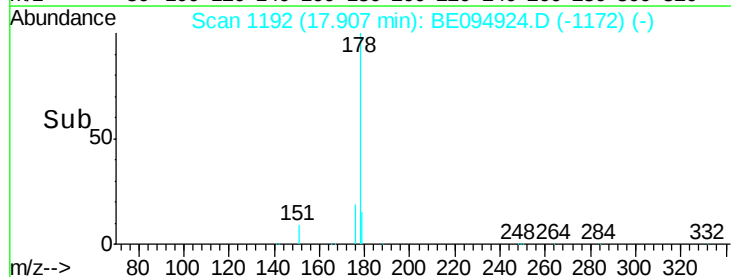
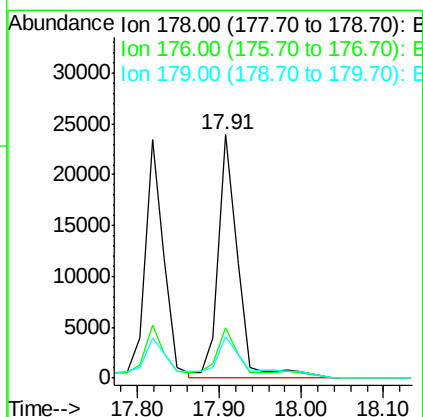
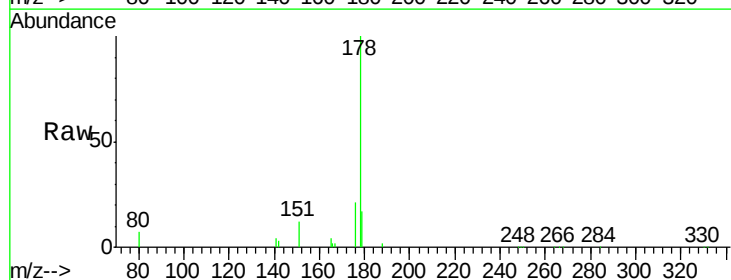
Tgt Ion:178 Resp: 43208

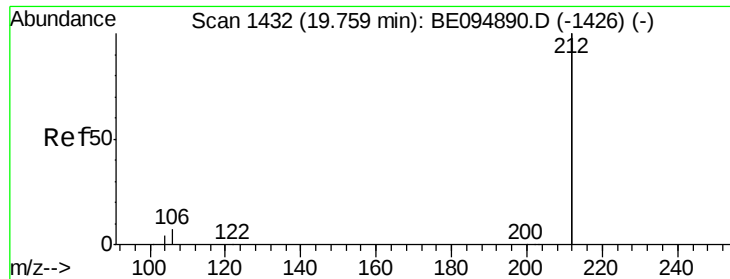
Ion Ratio Lower Upper

178 100

176 15.1 12.8 19.2

179 25.5 13.0 19.6#

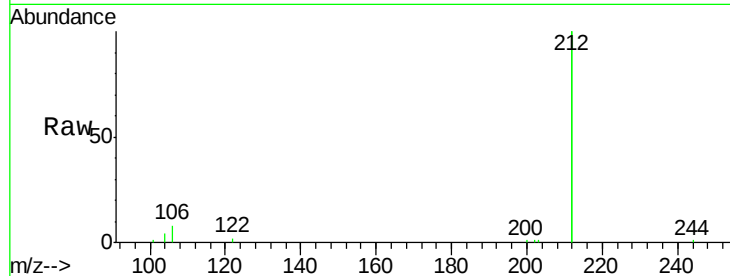




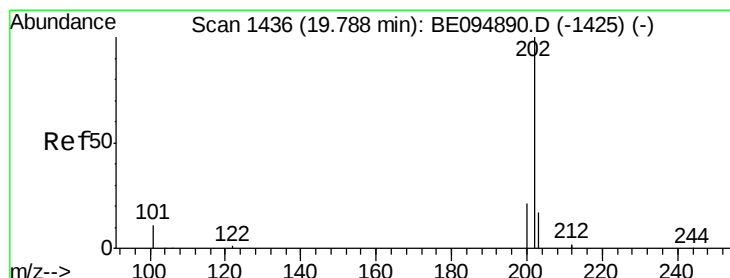
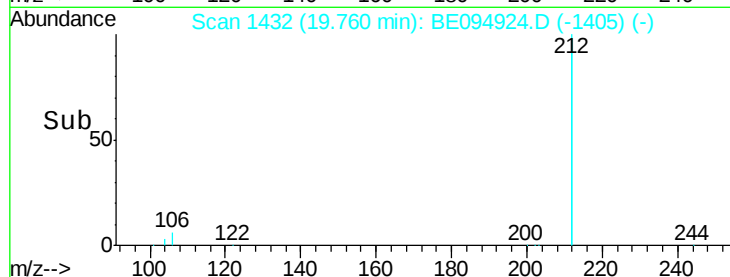
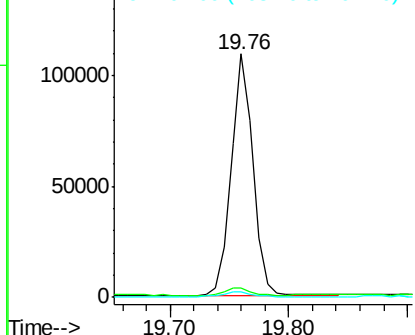
#25
 Fluoranthene-d10
 Concen: 0.621 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094924.D
 Acq: 5 Dec 2017 20:51

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW08I-20171129MSD

Tot Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

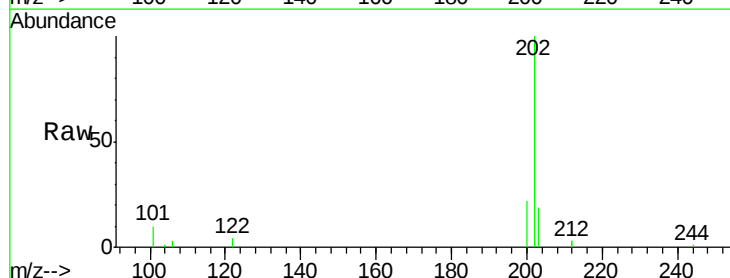


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

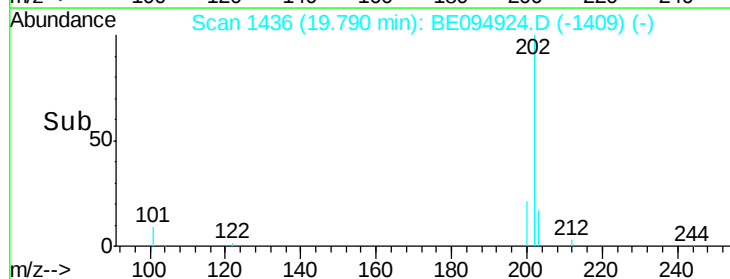
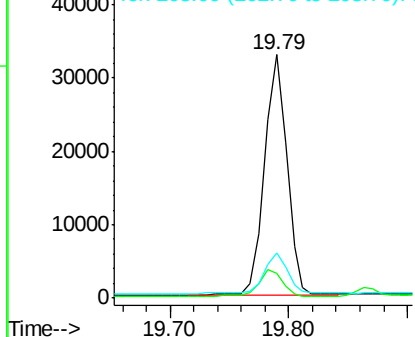


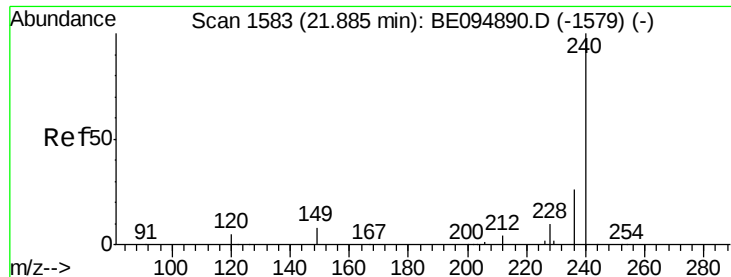
#26
 Fluoranthene
 Concen: 0.631 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094924.D
 Acq: 5 Dec 2017 20:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.8
203	16.9	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

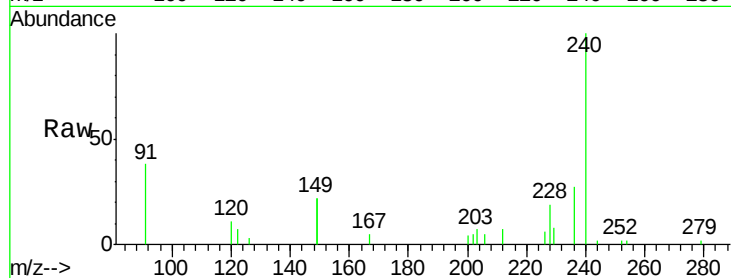




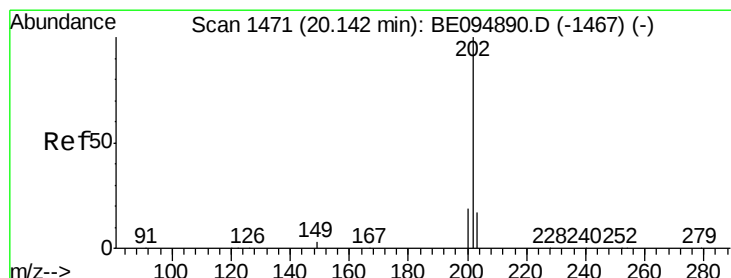
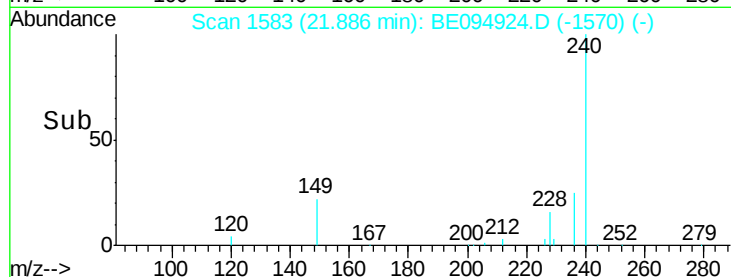
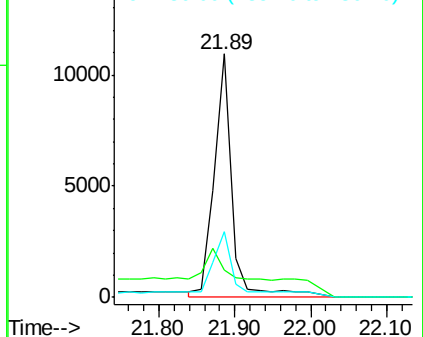
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BE094924.D
Acq: 5 Dec 2017 20:51

Instrument :
BNA_E
ClientSampleId :
FT-MW08I-20171129MSD

Tot Ion:240 Resp: 19267
Ion Ratio Lower Upper
240 100
120 11.3 5.5 8.3#
236 26.8 20.7 31.1

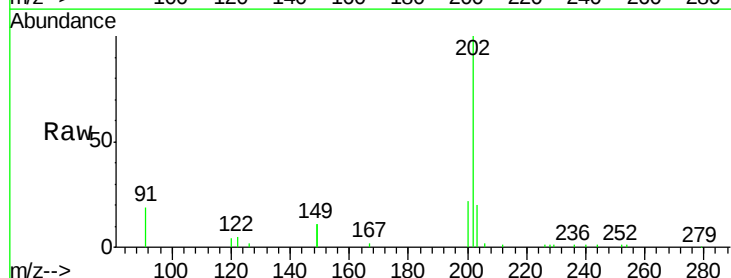


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

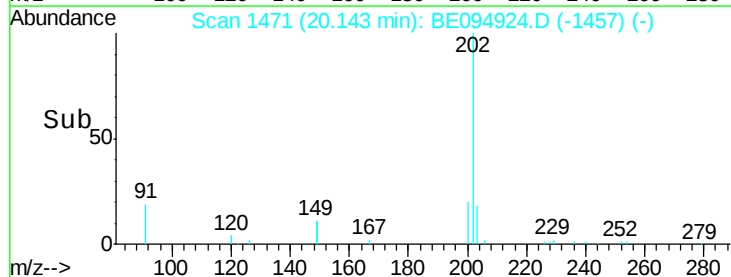
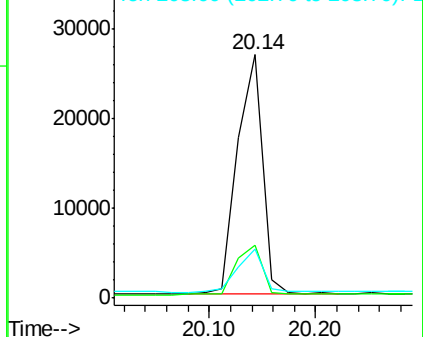


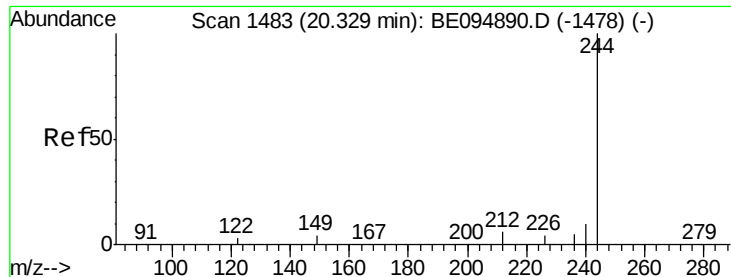
#28
Pyrene
Concen: 0.655 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094924.D
Acq: 5 Dec 2017 20:51

Tgt Ion:202 Resp: 43560
Ion Ratio Lower Upper
202 100
200 25.8 16.6 25.0#
203 18.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.794 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

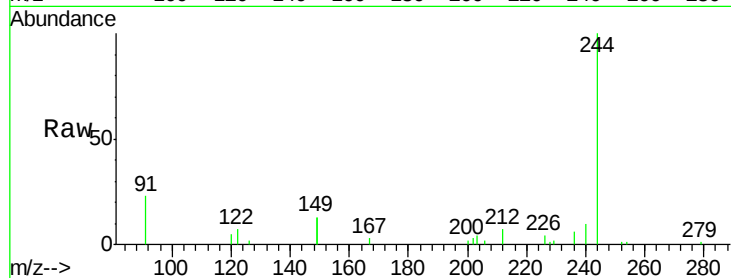
Tot Ion:244 Resp: 28252

Ion Ratio Lower Upper

244 100

212 6.8 25.4 38.0#

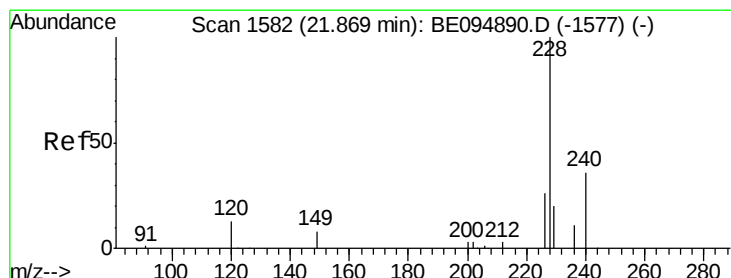
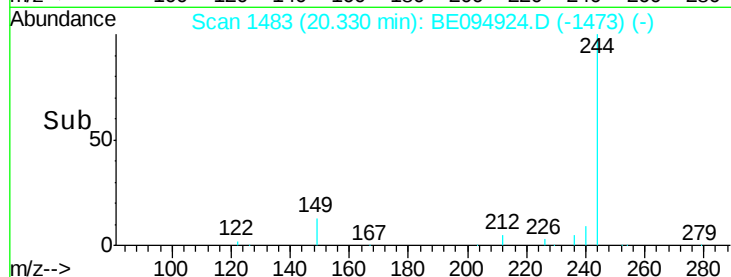
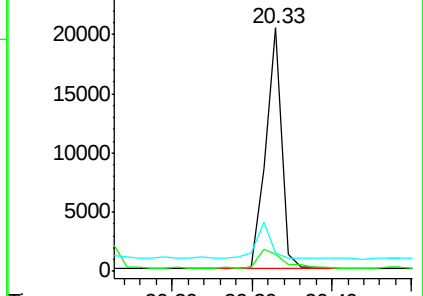
122 7.5 8.1 12.1#



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: 0.638 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

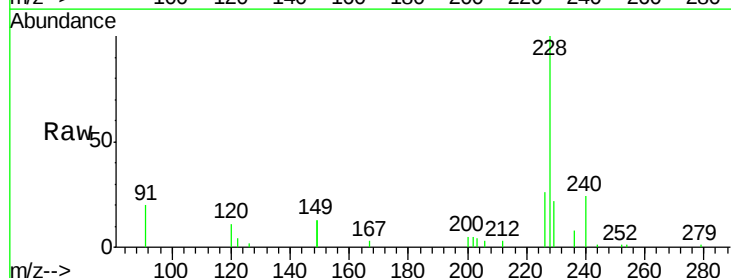
Tgt Ion:228 Resp: 37723

Ion Ratio Lower Upper

228 100

226 26.4 40.0 60.0#

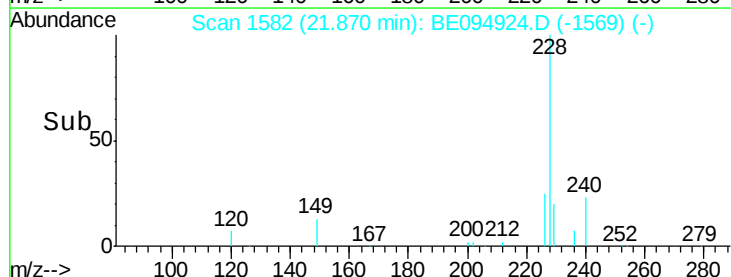
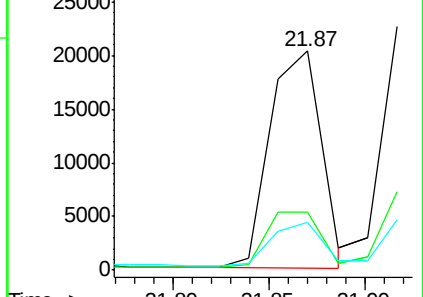
229 22.0 40.0 60.0#

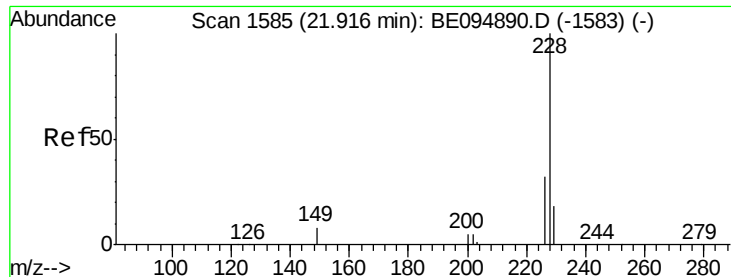


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.626 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

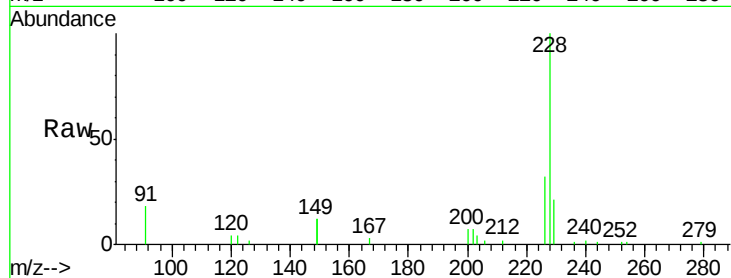
Tot Ion:228 Resp: 40859

Ion Ratio Lower Upper

228 100

226 32.2 40.0 60.0#

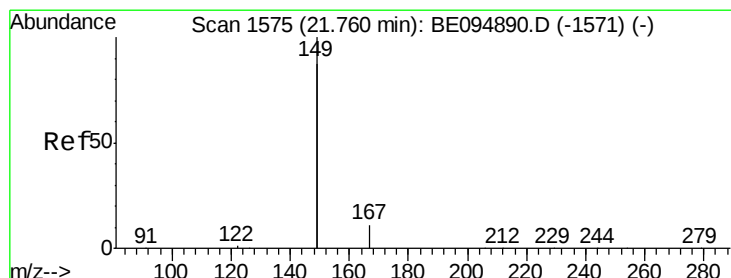
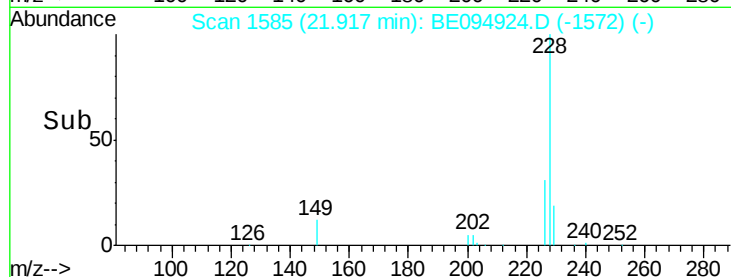
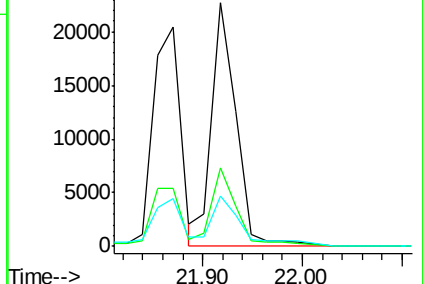
229 20.7 40.0 60.0#



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: 1.147 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

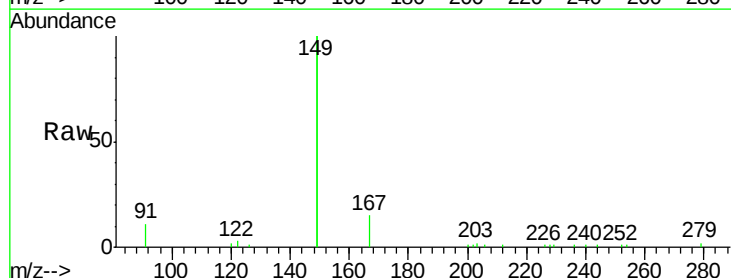
Tgt Ion:149 Resp: 112313

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

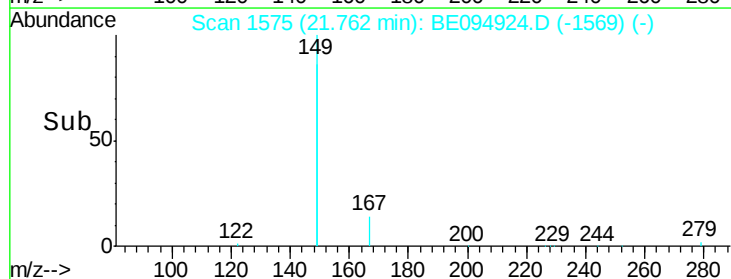
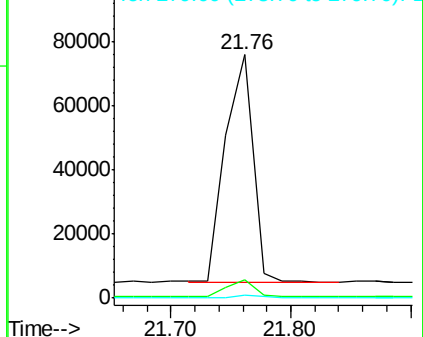
279 0.9 0.7 1.1

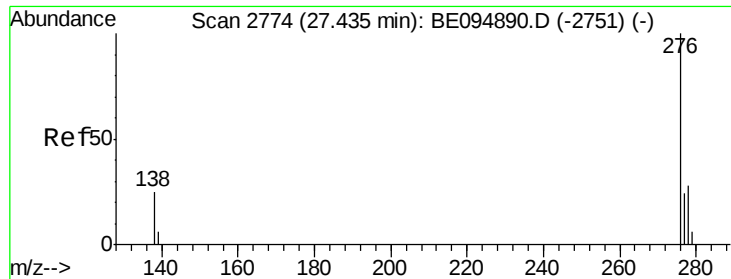


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

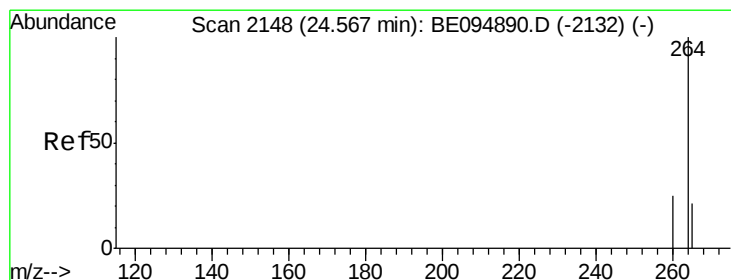
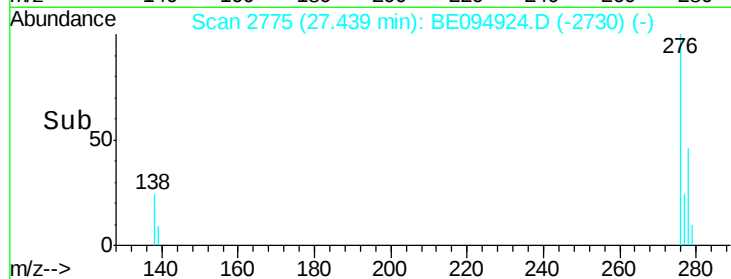
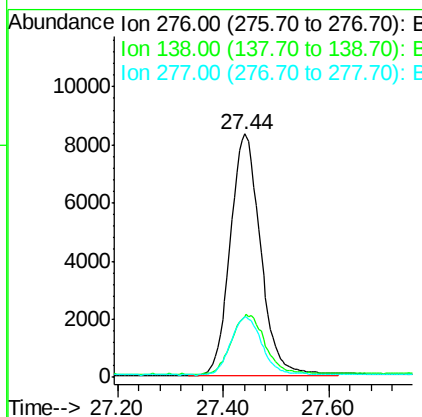
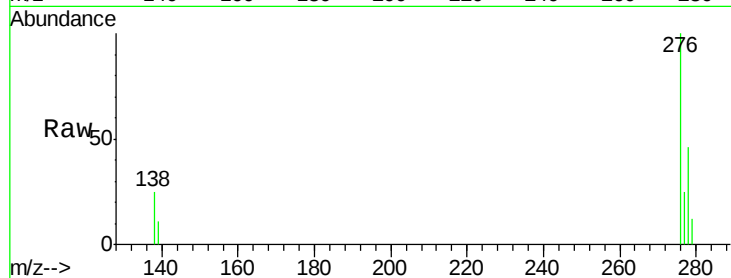




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.623 ng
 RT: 27.44 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: BE094924.D
 Acq: 5 Dec 2017 20:51

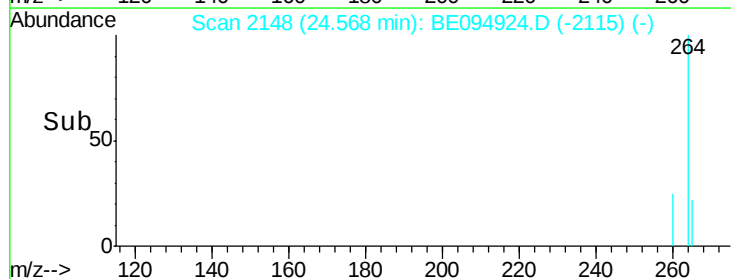
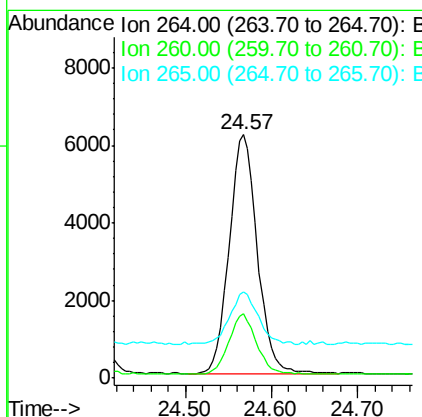
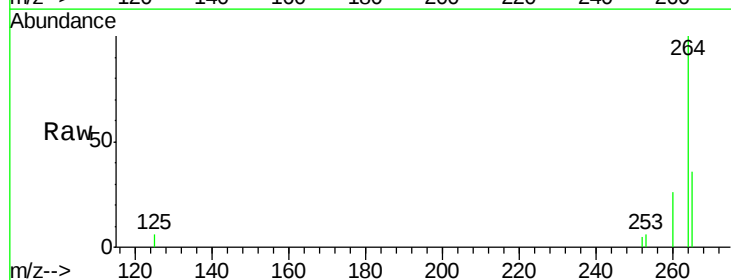
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW08I-20171129MSD

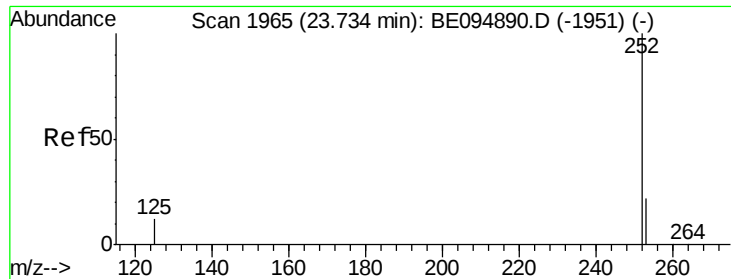
Tot Ion:276 Resp: 33284
 Ion Ratio Lower Upper
 276 100
 138 26.9 22.5 33.7
 277 24.7 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BE094924.D
 Acq: 5 Dec 2017 20:51

Tgt Ion:264 Resp: 14011
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.5 30.7
 265 35.6 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.654 ng

RT: 23.73 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

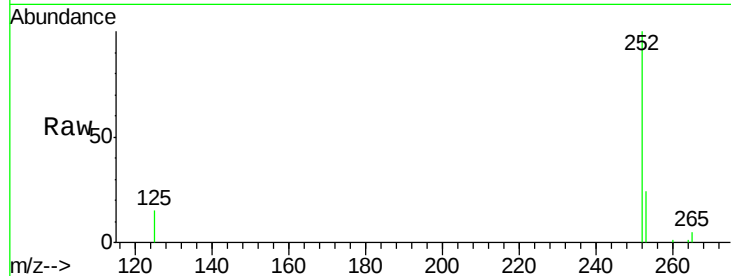
Tot Ion:252 Resp: 33444

Ion Ratio Lower Upper

252 100

253 23.7 48.0 72.0#

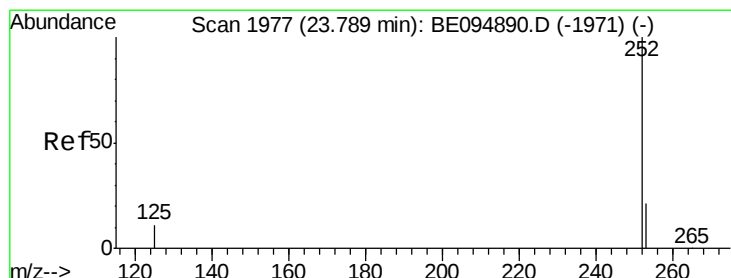
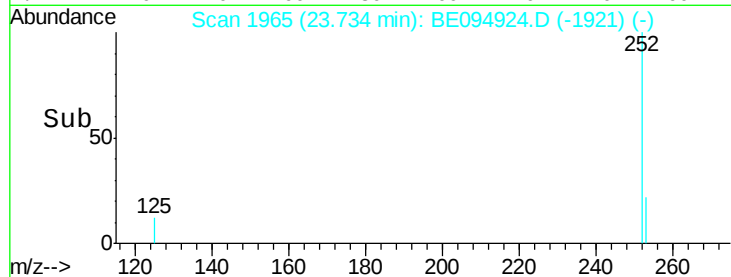
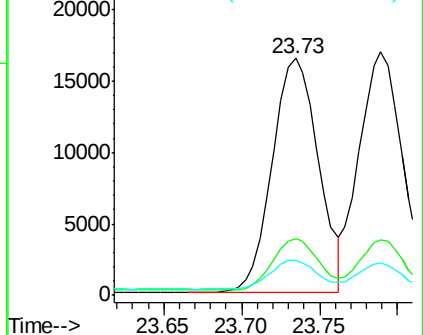
125 14.7 56.0 84.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.639 ng

RT: 23.79 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

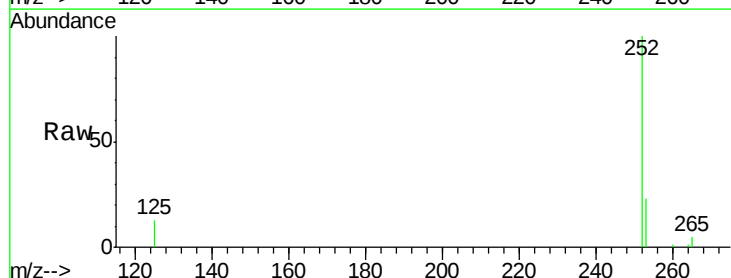
Tgt Ion:252 Resp: 33320

Ion Ratio Lower Upper

252 100

253 22.9 48.0 72.0#

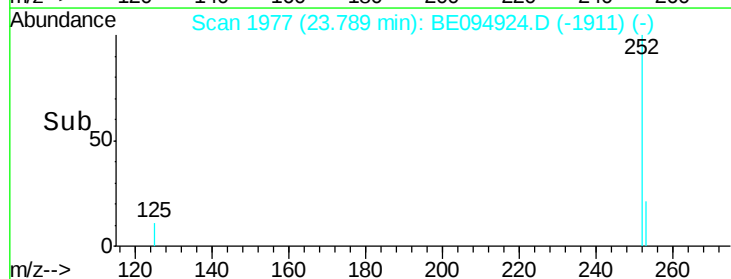
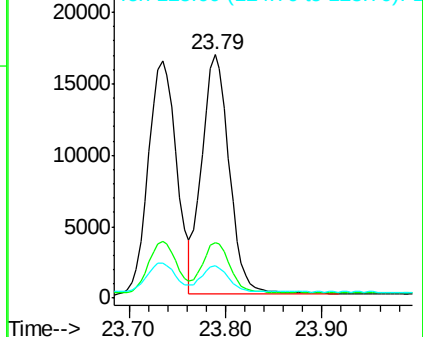
125 13.1 56.0 84.0#

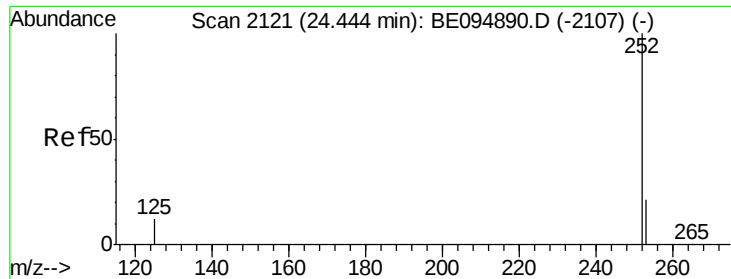


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.702 ng

RT: 24.44 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD

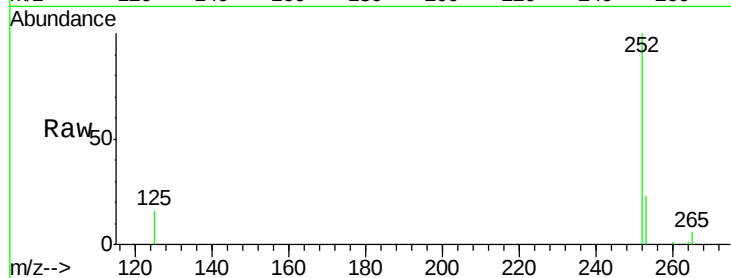
Tot Ion:252 Resp: 31500

Ion Ratio Lower Upper

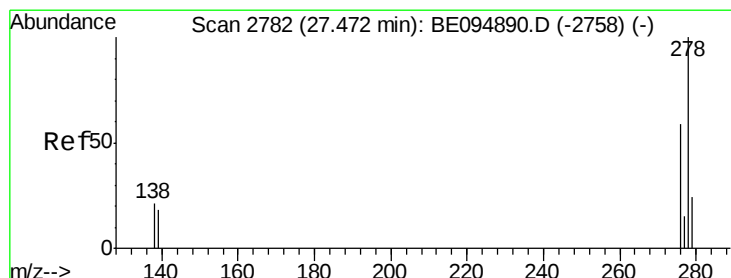
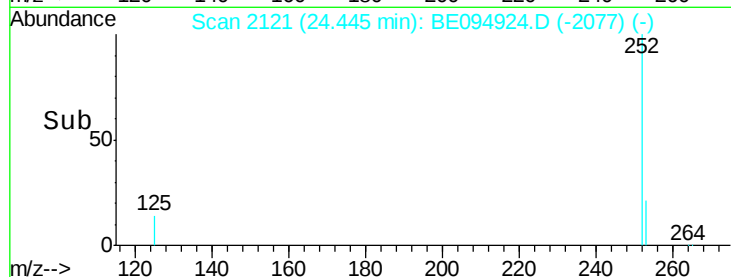
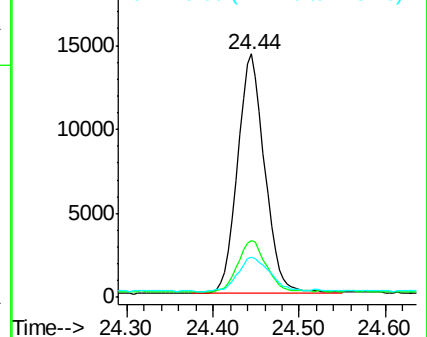
252 100

253 23.1 52.0 78.0#

125 16.3 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: 0.658 ng

RT: 27.47 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BE094924.D

Acq: 5 Dec 2017 20:51

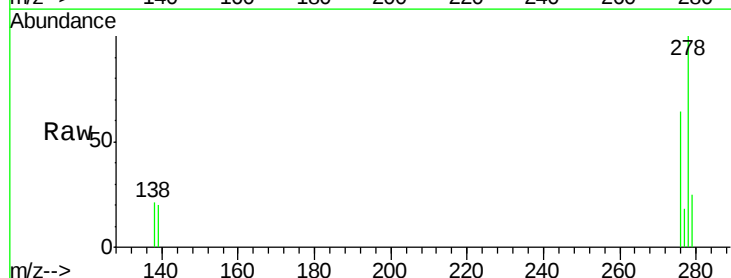
Tgt Ion:278 Resp: 27275

Ion Ratio Lower Upper

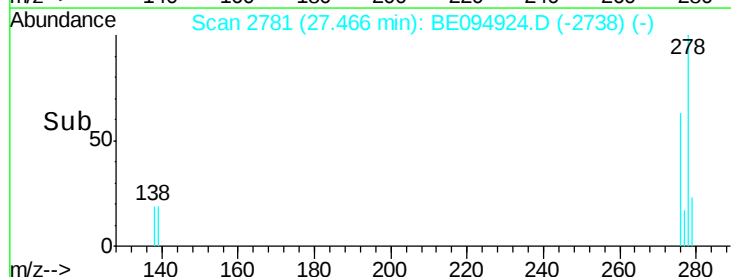
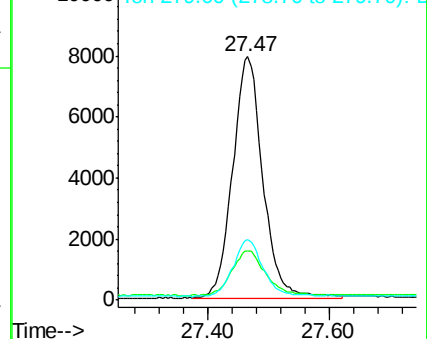
278 100

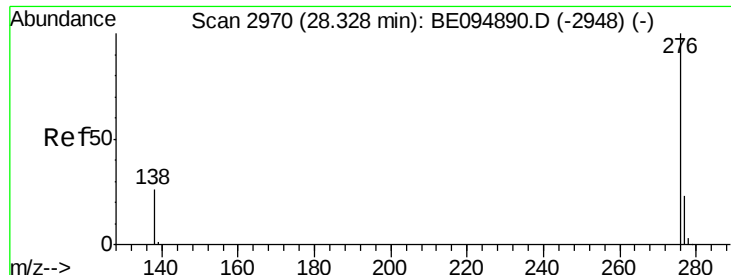
139 20.3 56.0 84.0#

279 24.8 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(a,h,i)perylene

Concen: 0.679 ng

RT: 28.33 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BE094924.D

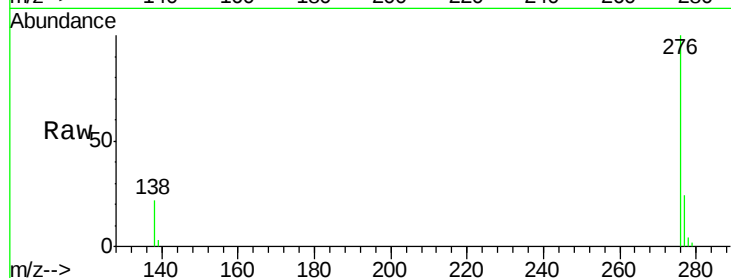
Acq: 5 Dec 2017 20:51

Instrument :

BNA_E

ClientSampleId :

FT-MW08I-20171129MSD



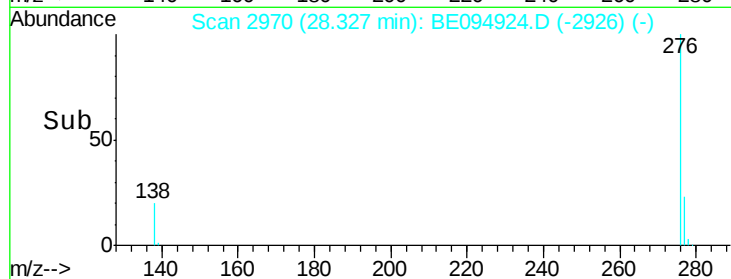
Tot Ion: 276 Resp: 28104

Ion Ratio Lower Upper

276 100

277 24.2 52.0 78.0#

138 21.7 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

