

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094941.D
 Acq On : 6 Dec 2017 6:54
 Operator : SJ/JU
 Sample : I6707-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW01S-20171130

Quant Time: Dec 06 07:52:12 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	8.47	152	8094	0.40	ng	-0.01
7) Naphthalene-d8	11.32	136	18646	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	11114	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	26619	0.40	ng	0.00
27) Chrysene-d12	21.87	240	28090	0.40	ng	-0.02
34) Perylene-d12	24.55	264	22671	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	2323	0.18	ng	0.00
5) Phenol-d6	7.59	99	2081	0.11	ng	0.00
8) Nitrobenzene-d5	9.66	82	5597	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	11404	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1253	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	19530	0.41	ng	0.00
25) Fluoranthene-d10	19.75	212	134176	0.37	ng	0.00
29) Terphenyl-d14	20.31	244	28667	0.55	ng	-0.02

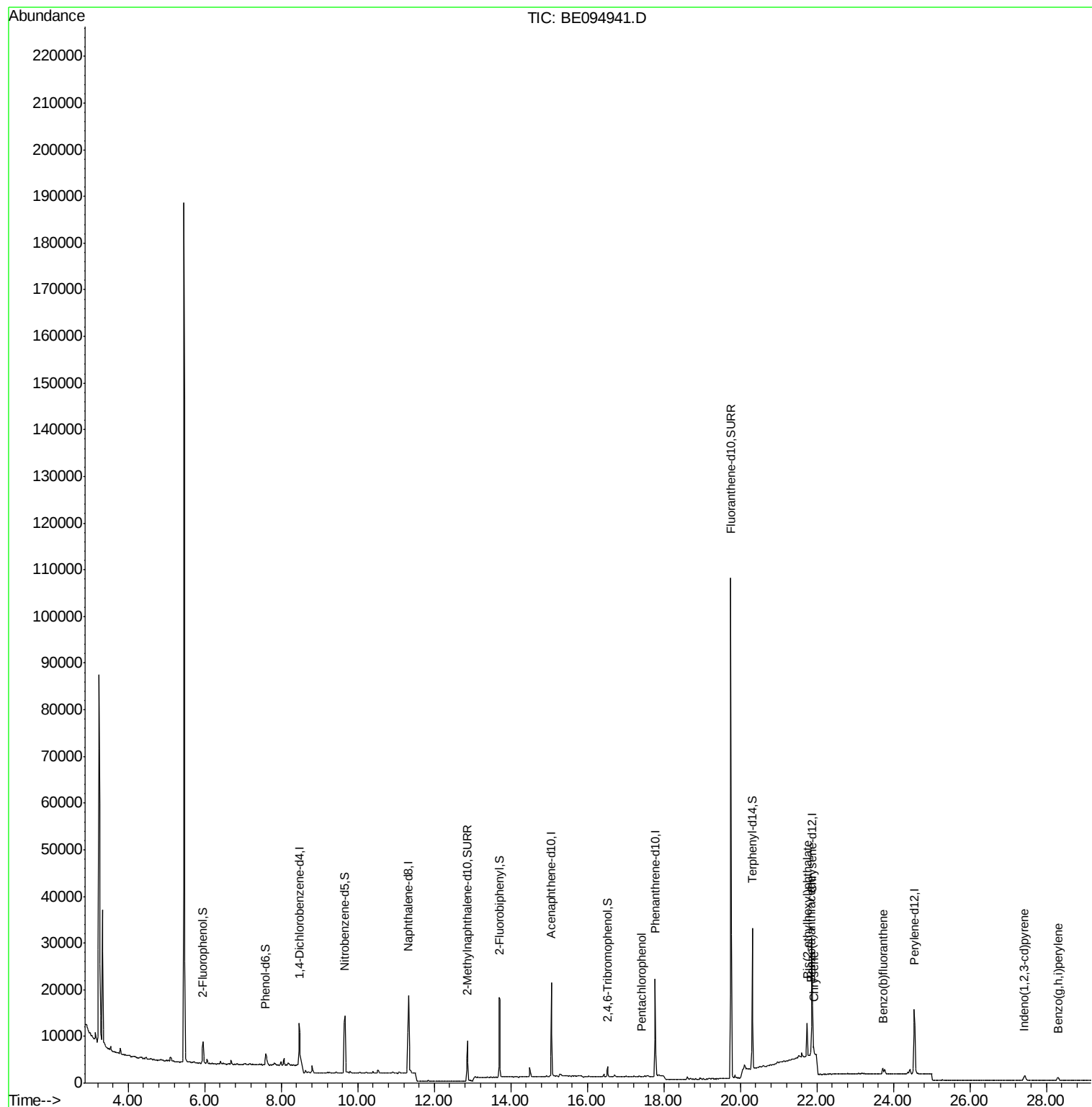
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.42	266	30	0.140	ng	92
30) Benzo(a)anthracene	21.85	228	1858	0.022	ng	# 71
31) Chrysene	21.92	228	2413	0.025	ng	# 73
32) Bis(2-ethylhexyl)phthalate	21.75	149	8994	0.063	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.42	276	1591	0.020	ng	# 72
35) Benzo(b)fluoranthene	23.72	252	1888	0.023	ng	# 78
39) Benzo(g,h,i)perylene	28.30	276	1486	0.022	ng	# 69

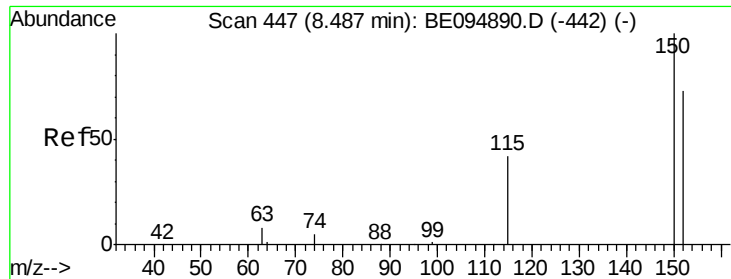
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

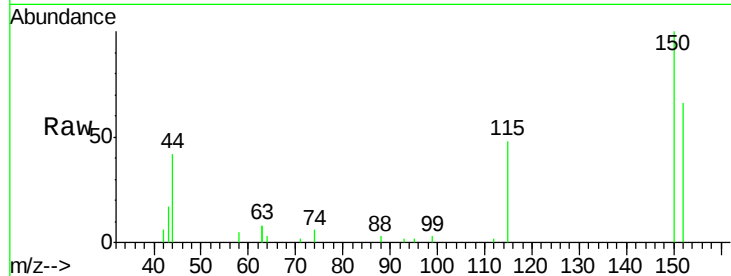
Tot Ion:152 Resp: 8094

Ion Ratio Lower Upper

152 100

150 151.0 117.2 175.8

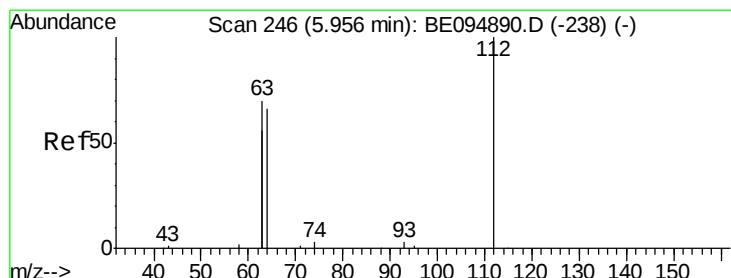
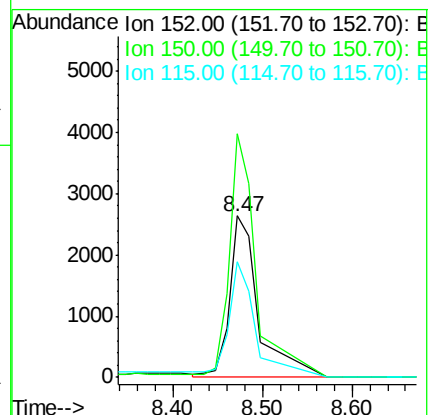
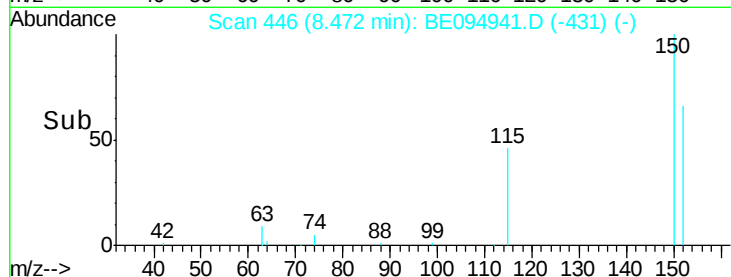
115 72.0 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.181 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

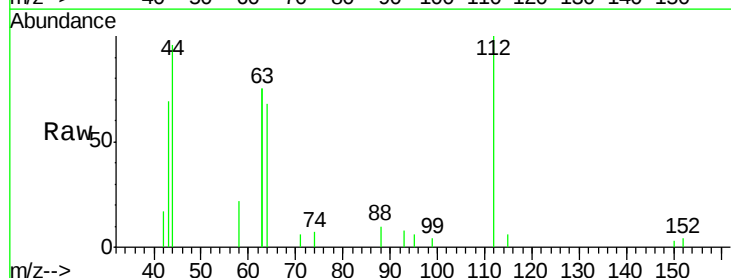
Tgt Ion:112 Resp: 2323

Ion Ratio Lower Upper

112 100

64 74.3 60.1 90.1

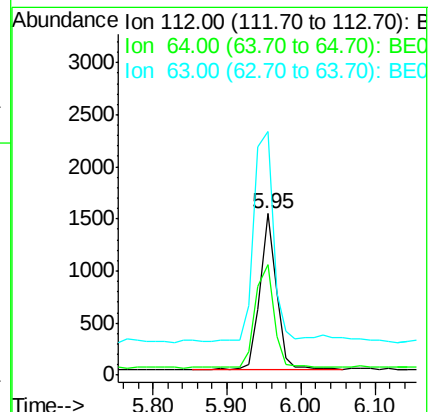
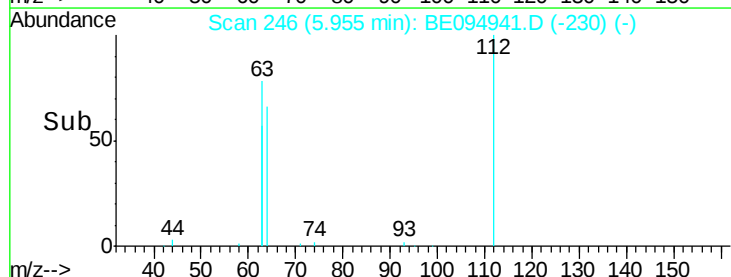
63 160.7 116.8 175.2

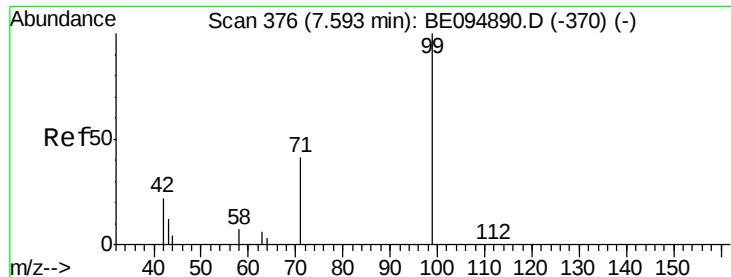


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.110 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

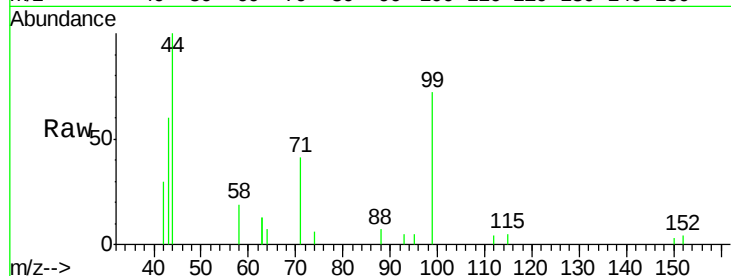
Tot Ion: 99 Resp: 2081

Ion Ratio Lower Upper

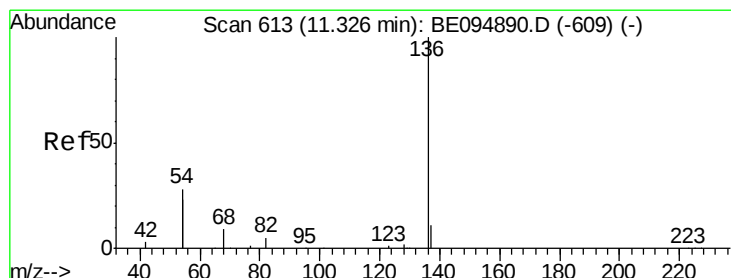
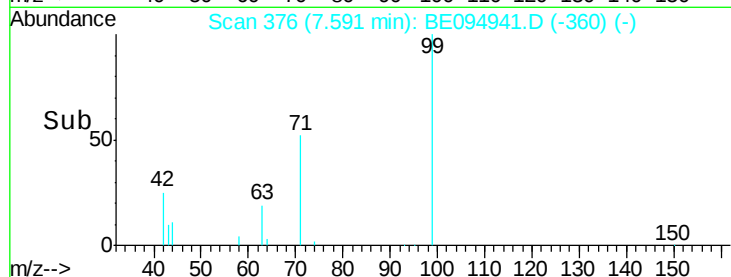
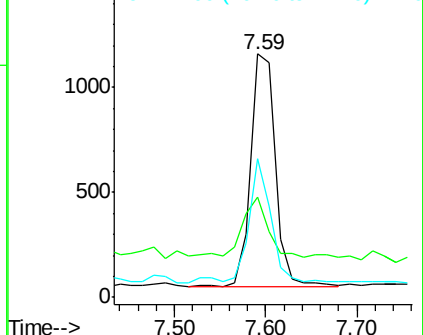
99 100

42 26.3 20.2 30.2

71 48.4 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.32 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Tgt Ion: 136 Resp: 18646

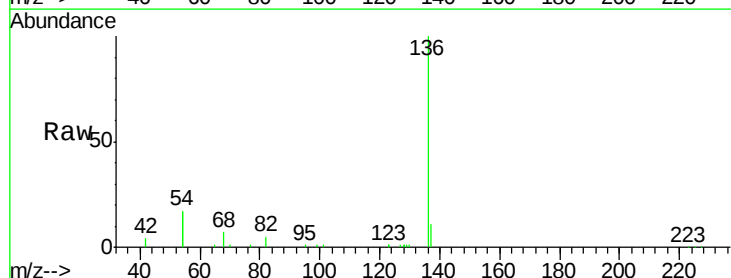
Ion Ratio Lower Upper

136 100

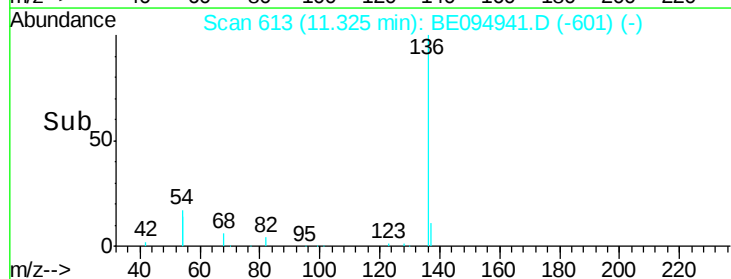
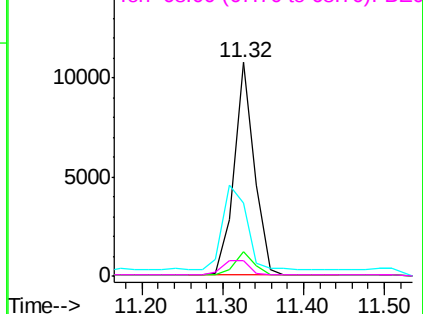
137 11.3 9.5 14.3

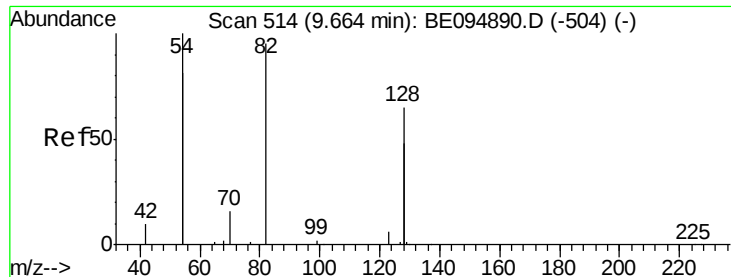
54 34.2 29.1 43.7

68 7.0 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: 0.507 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

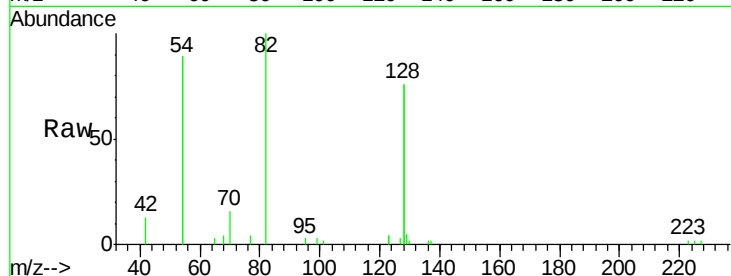
Tot Ion: 82 Resp: 5597

Ion Ratio Lower Upper

82 100

128 152.3 150.0 225.0

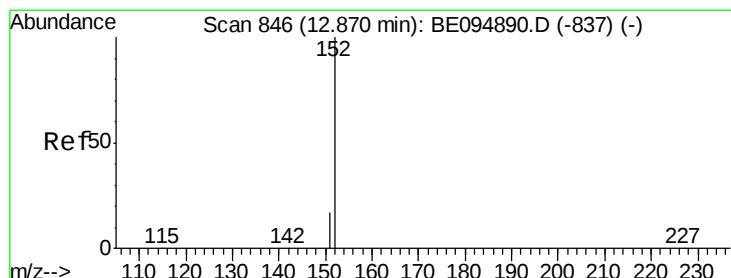
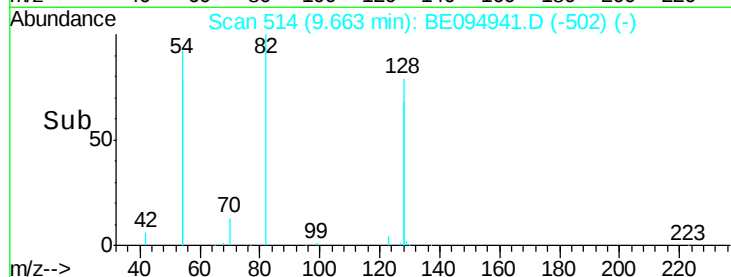
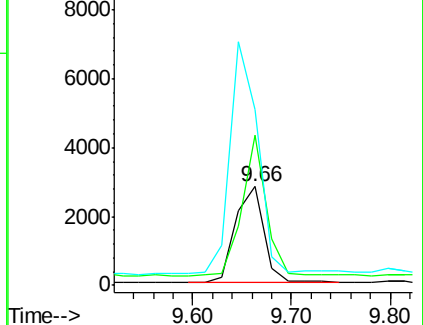
54 178.6 154.2 231.4



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: 0.383 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094941.D

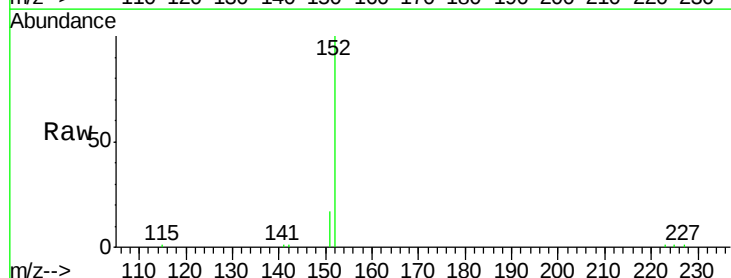
Acq: 6 Dec 2017 6:54

Tgt Ion: 152 Resp: 11404

Ion Ratio Lower Upper

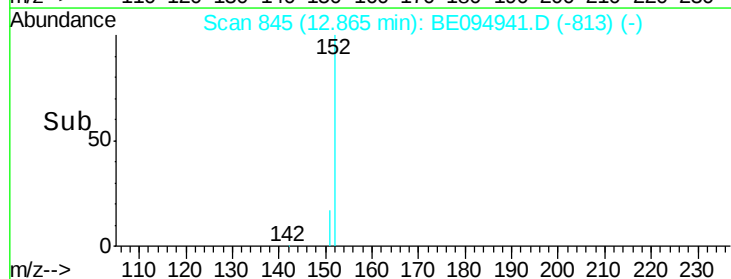
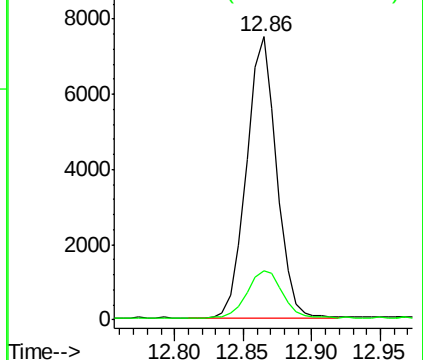
152 100

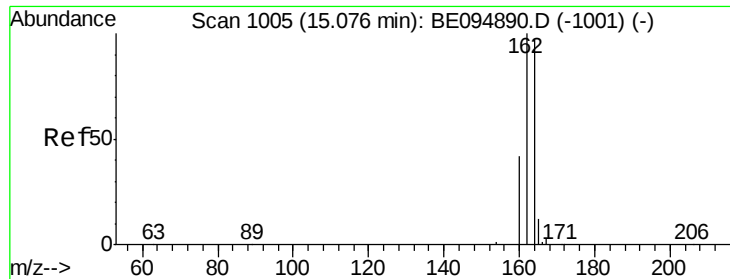
151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

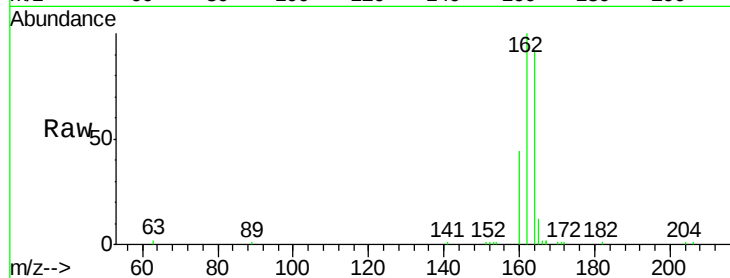
Tot Ion:164 Resp: 11114

Ion Ratio Lower Upper

164 100

162 108.5 83.1 124.7

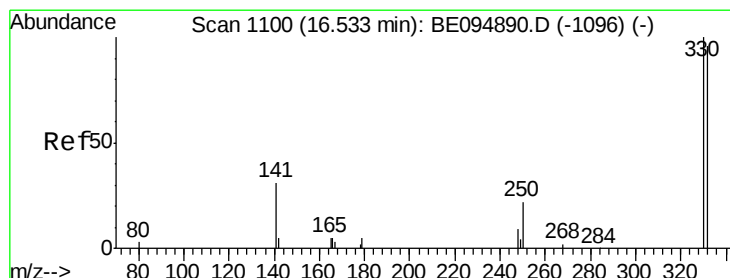
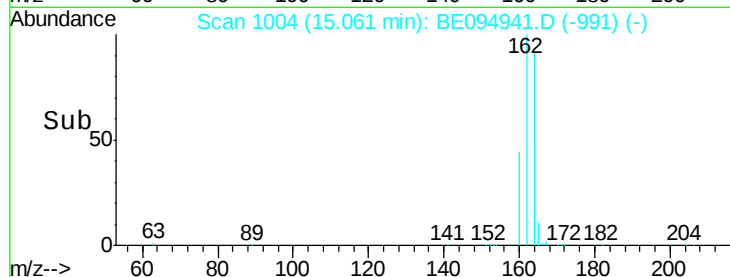
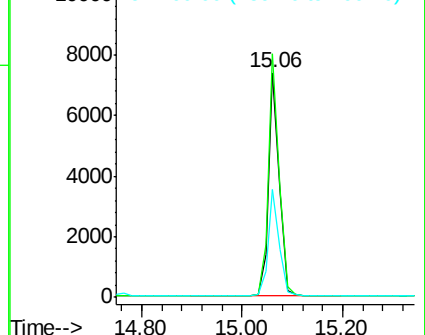
160 48.0 37.1 55.7



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: 0.519 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

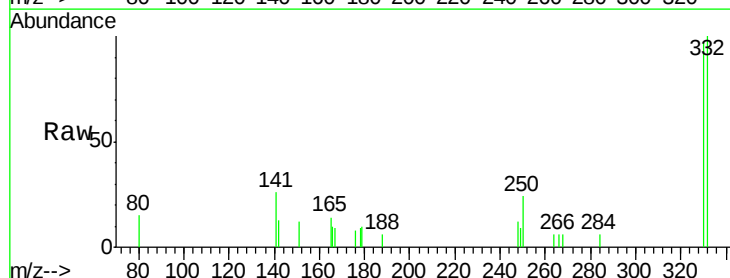
Tgt Ion:330 Resp: 1253

Ion Ratio Lower Upper

330 100

332 102.8 152.7 229.1#

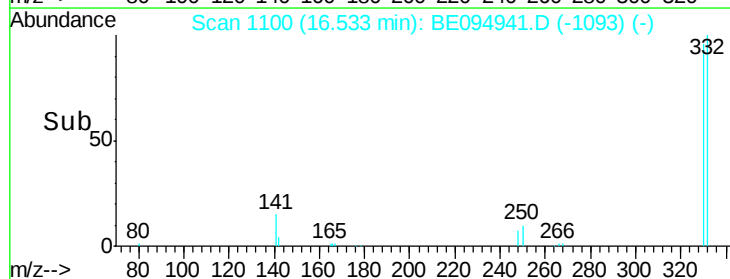
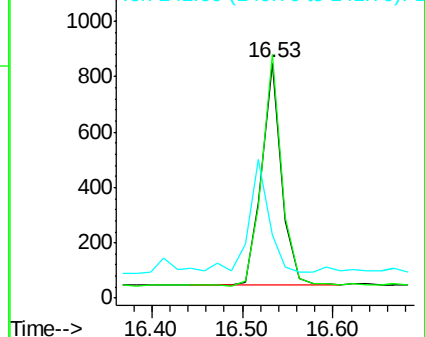
141 50.5 33.7 50.5

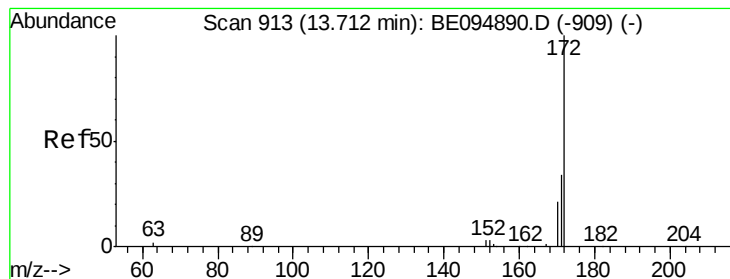


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.410 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

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FT-MW01S-20171130

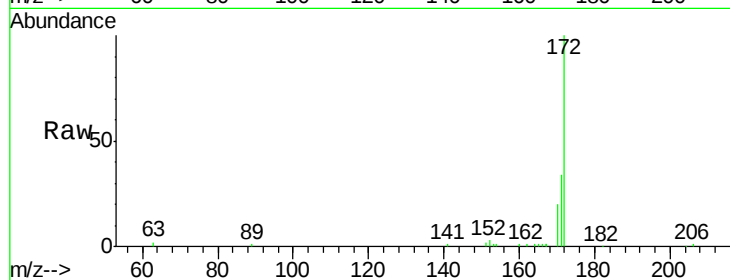
Tot Ion:172 Resp: 19530

Ion Ratio Lower Upper

172 100

171 33.6 29.9 44.9

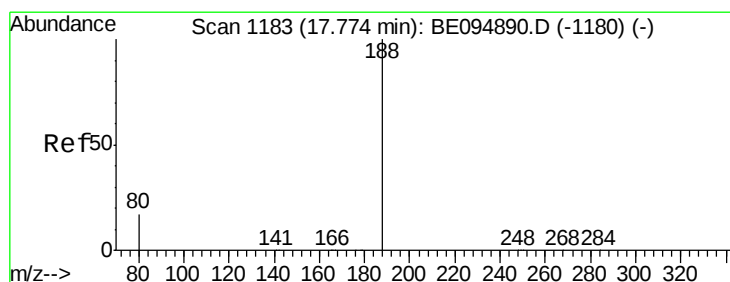
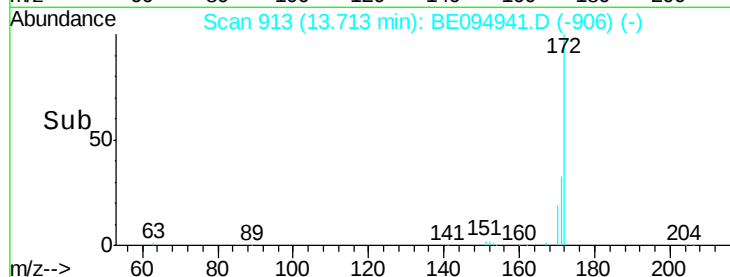
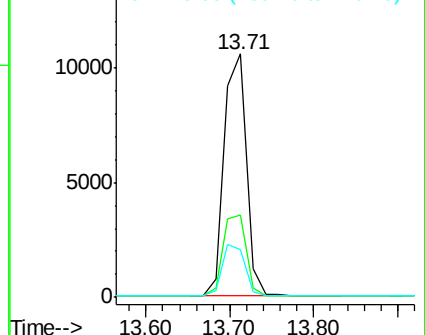
170 19.8 21.8 32.8#



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: BE094941.D

Acq: 6 Dec 2017 6:54

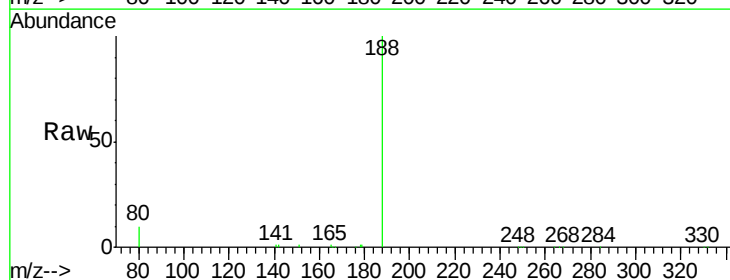
Tgt Ion:188 Resp: 26619

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

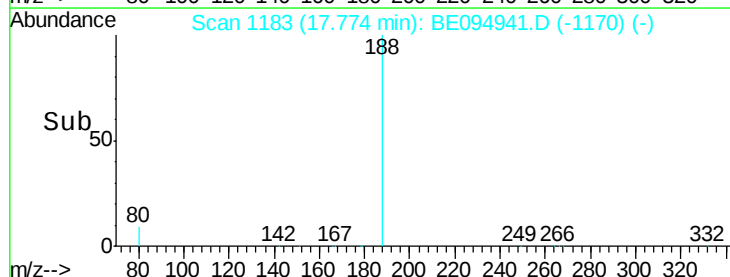
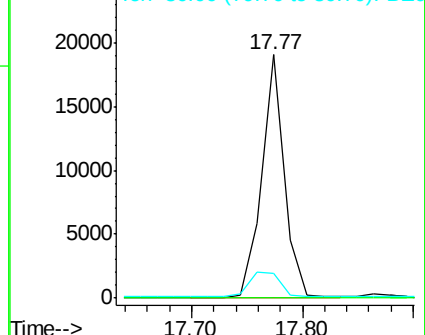
80 10.0 3.6 5.4#

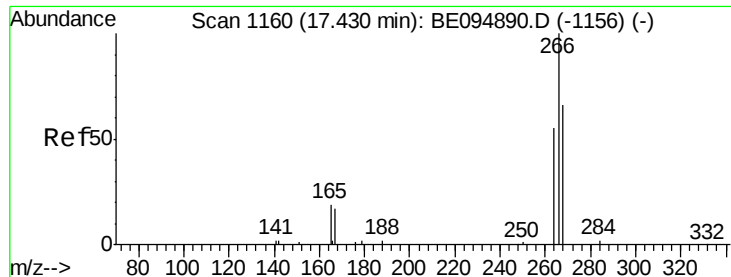


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.140 ng

RT: 17.42 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

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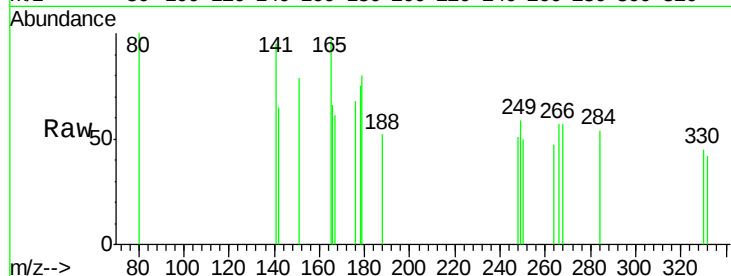
Tot Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

264 82.5 72.5 108.7

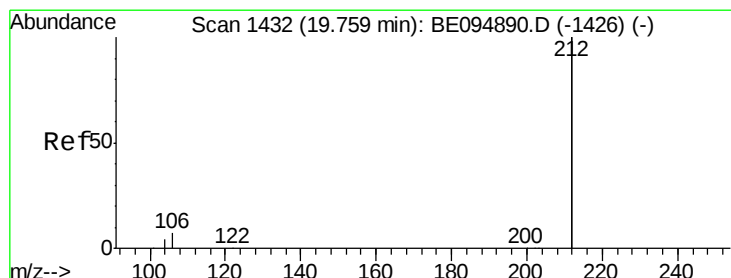
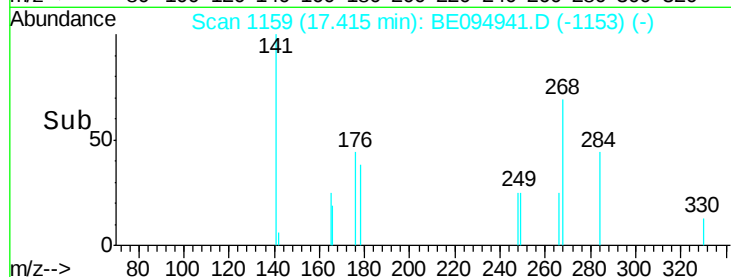
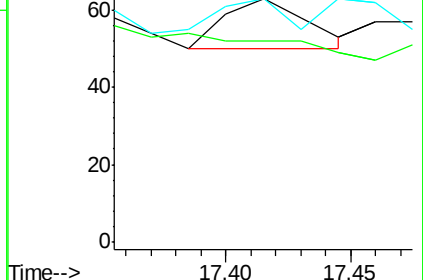
268 100.0 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

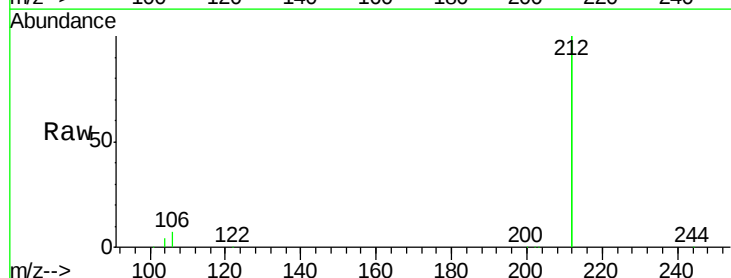
Tgt Ion:212 Resp: 134176

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

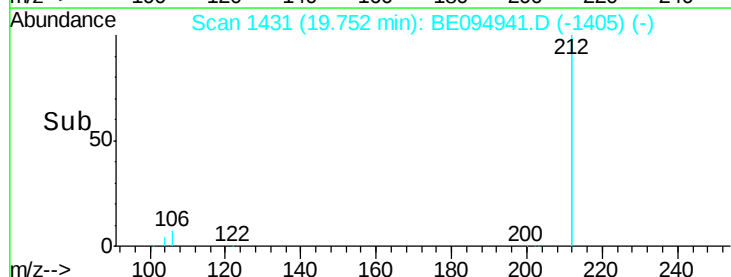
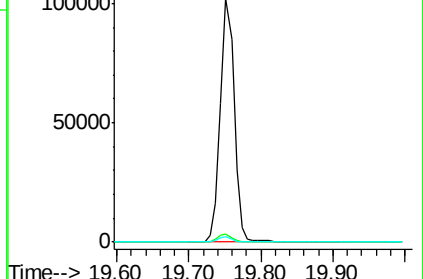
104 2.0 1.6 2.4

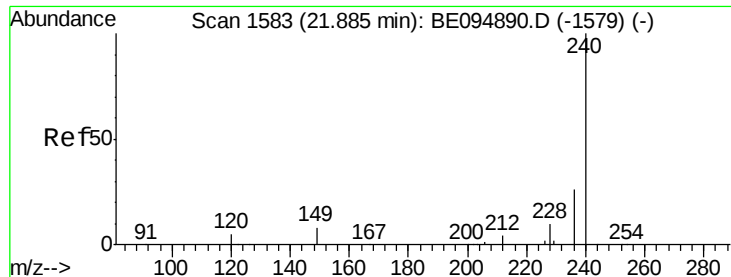


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

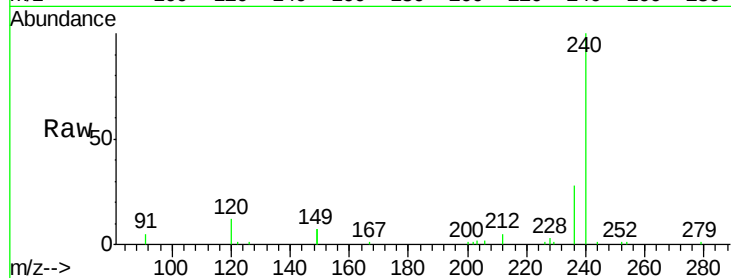
Tot Ion:240 Resp: 28090

Ion Ratio Lower Upper

240 100

120 11.7 5.5 8.3#

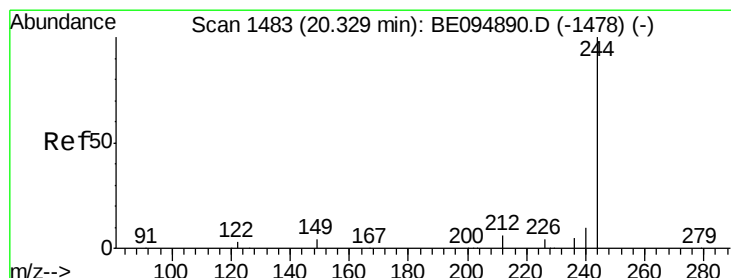
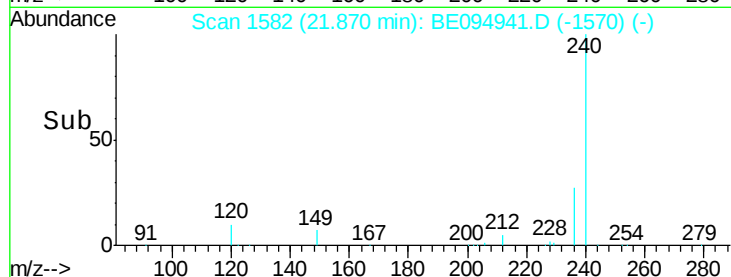
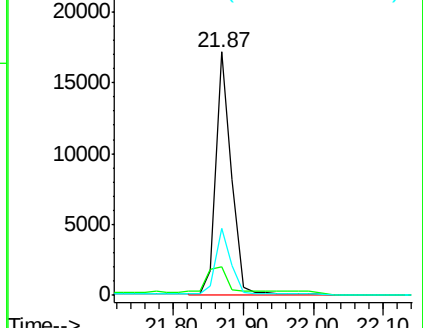
236 27.6 20.7 31.1



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: 0.553 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

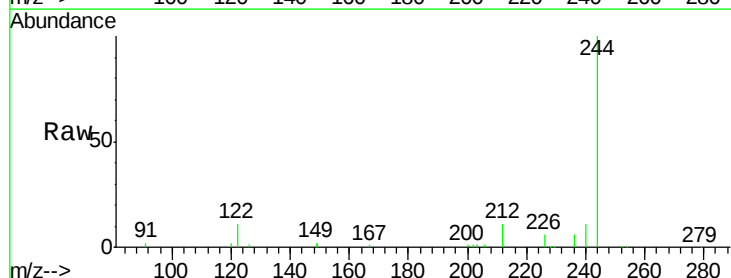
Tgt Ion:244 Resp: 28667

Ion Ratio Lower Upper

244 100

212 10.6 25.4 38.0#

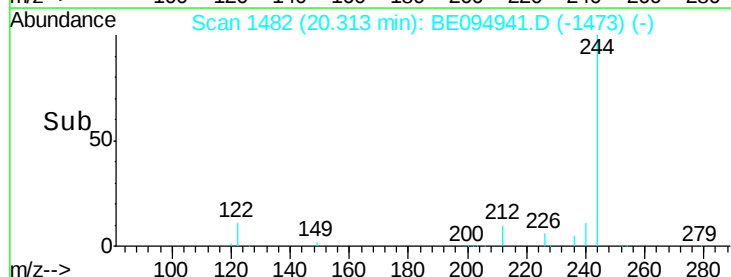
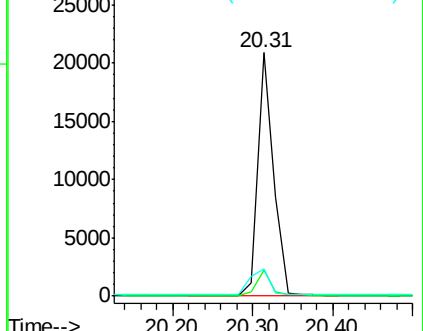
122 11.3 8.1 12.1

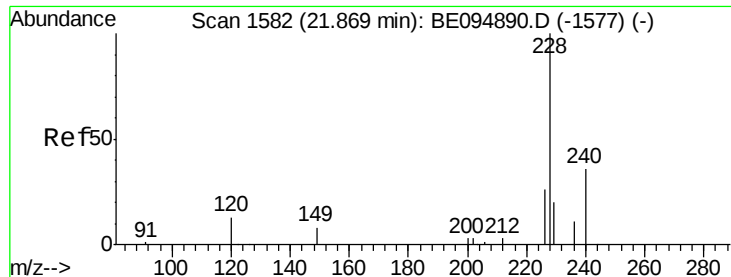


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

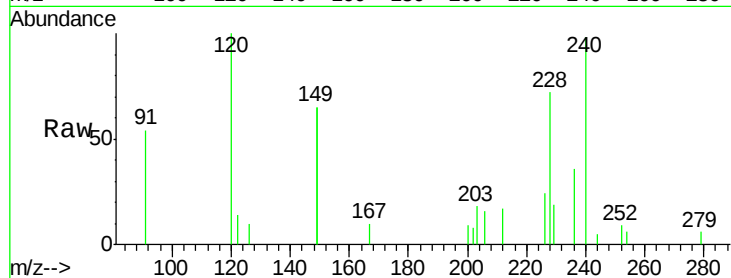
Tot Ion:228 Resp: 1858

Ion Ratio Lower Upper

228 100

226 33.1 40.0 60.0#

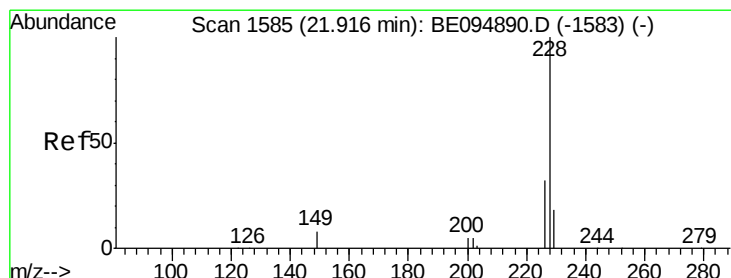
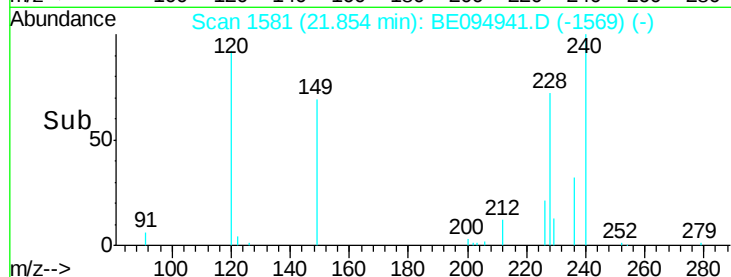
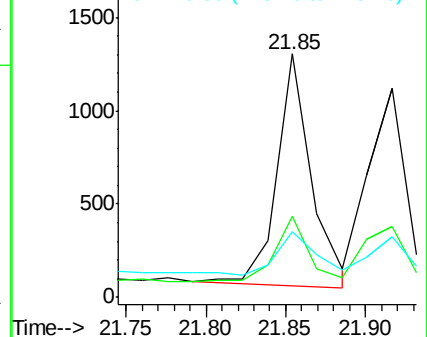
229 27.0 40.0 60.0#



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: 0.025 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

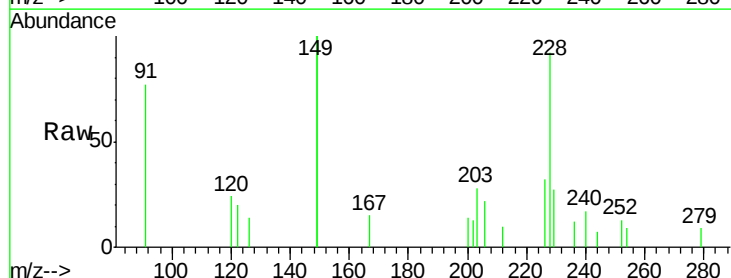
Tgt Ion:228 Resp: 2413

Ion Ratio Lower Upper

228 100

226 34.2 40.0 60.0#

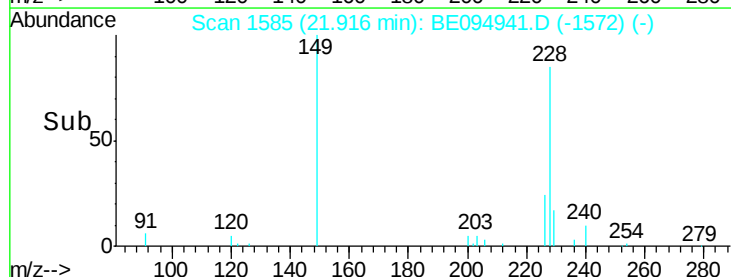
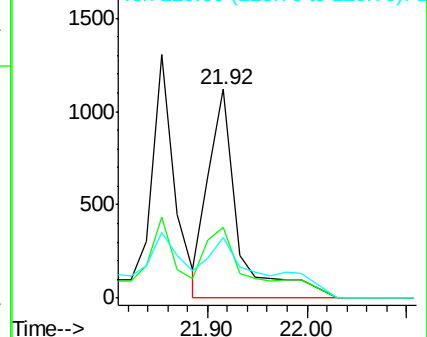
229 29.1 40.0 60.0#

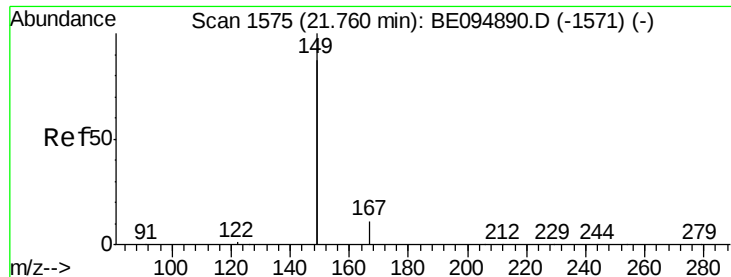


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

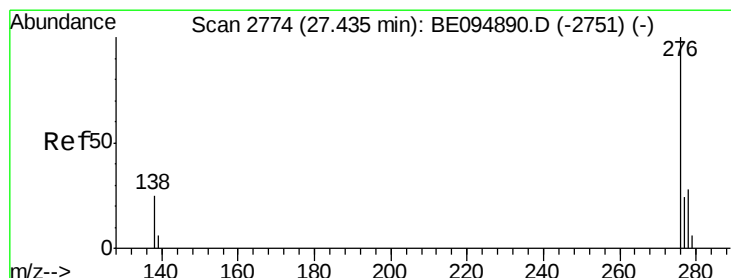
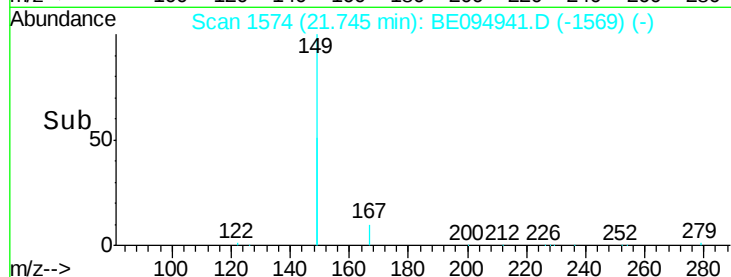
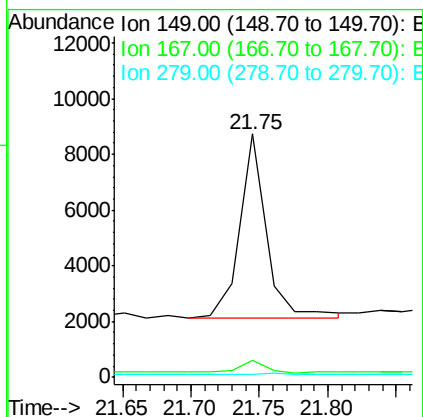
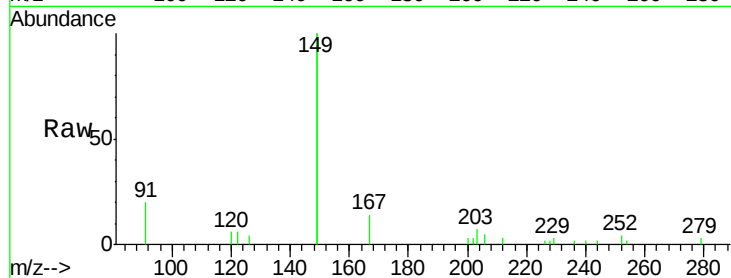




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.063 ng
 RT: 21.75 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BE094941.D
 Acq: 6 Dec 2017 6:54

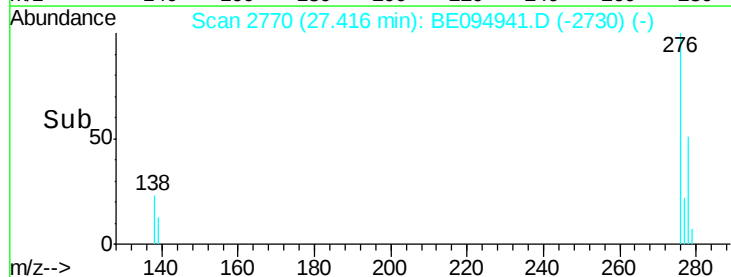
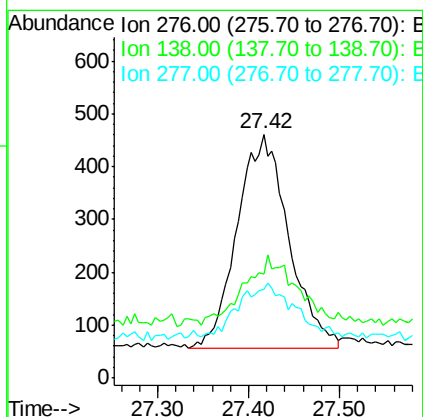
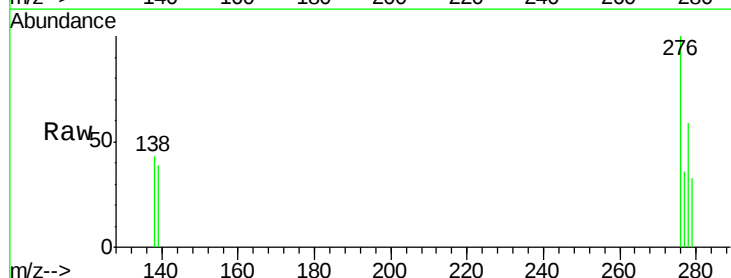
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW01S-20171130

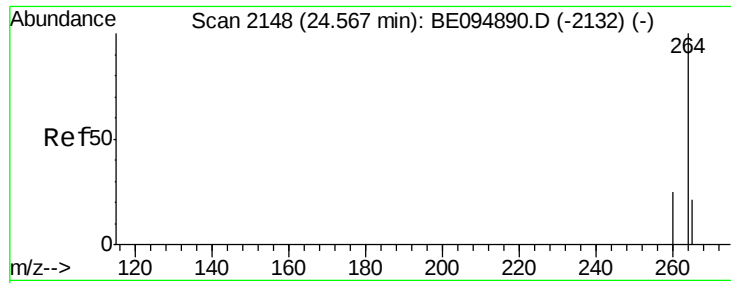
Tot Ion:149 Resp: 8994
 Ion Ratio Lower Upper
 149 100
 167 6.0 5.4 8.0
 279 1.2 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 27.42 min Scan# 2770
 Delta R.T. -0.02 min
 Lab File: BE094941.D
 Acq: 6 Dec 2017 6:54

Tgt Ion:276 Resp: 1591
 Ion Ratio Lower Upper
 276 100
 138 32.2 22.5 33.7
 277 0.0 19.9 29.9#

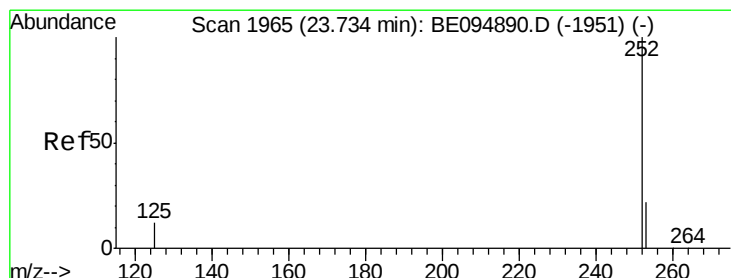
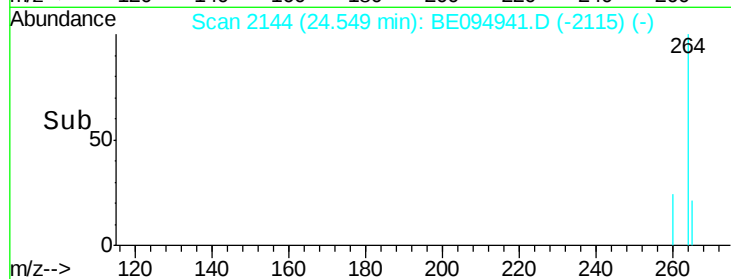
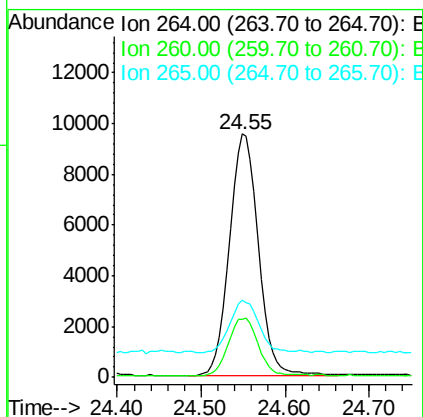
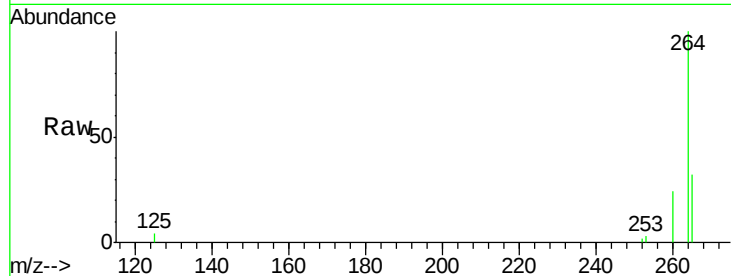




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2144
Delta R.T. -0.02 min
Lab File: BE094941.D
Acq: 6 Dec 2017 6:54

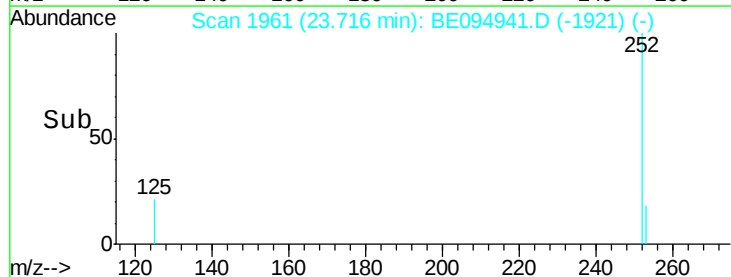
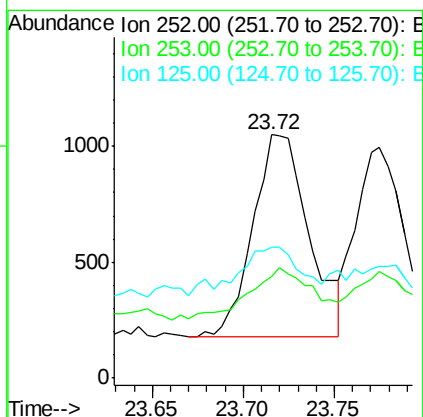
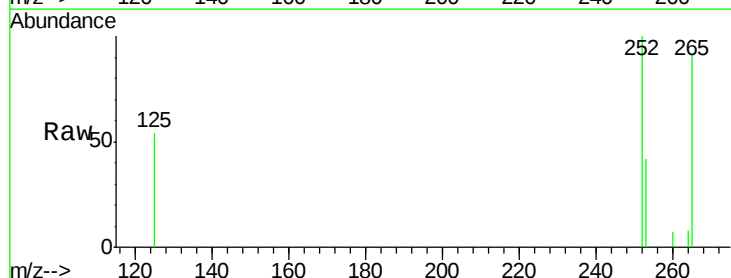
Instrument :
BNA_E
ClientSampleId :
FT-MW01S-20171130

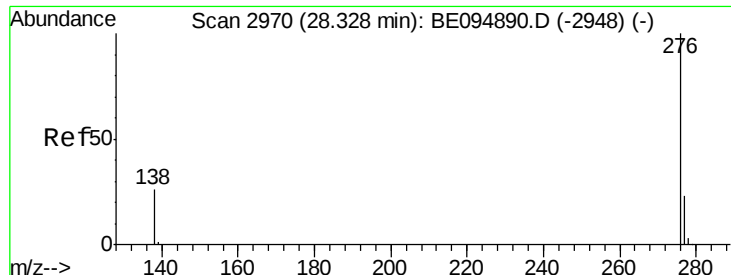
Tot Ion:264 Resp: 22671
Ion Ratio Lower Upper
264 100
260 24.1 20.5 30.7
265 31.6 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 23.72 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BE094941.D
Acq: 6 Dec 2017 6:54

Tgt Ion:252 Resp: 1888
Ion Ratio Lower Upper
252 100
253 41.7 48.0 72.0#
125 53.9 56.0 84.0#





#39

Benzo(a,h,i)perylene

Concen: 0.022 ng

RT: 28.30 min Scan# 2964

Delta R.T. -0.03 min

Lab File: BE094941.D

Acq: 6 Dec 2017 6:54

Instrument :

BNA_E

ClientSampleId :

FT-MW01S-20171130

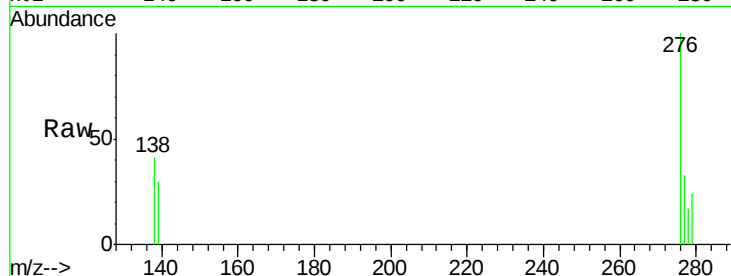
Tot Ion: 276 Resp: 1486

Ion Ratio Lower Upper

276 100

277 33.5 52.0 78.0#

138 40.9 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

