

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
 Data File : BE094992.D
 Acq On : 15 Dec 2017 00:20
 Operator : SJ/JU
 Sample : I6797-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-11

Quant Time: Dec 15 08:34:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

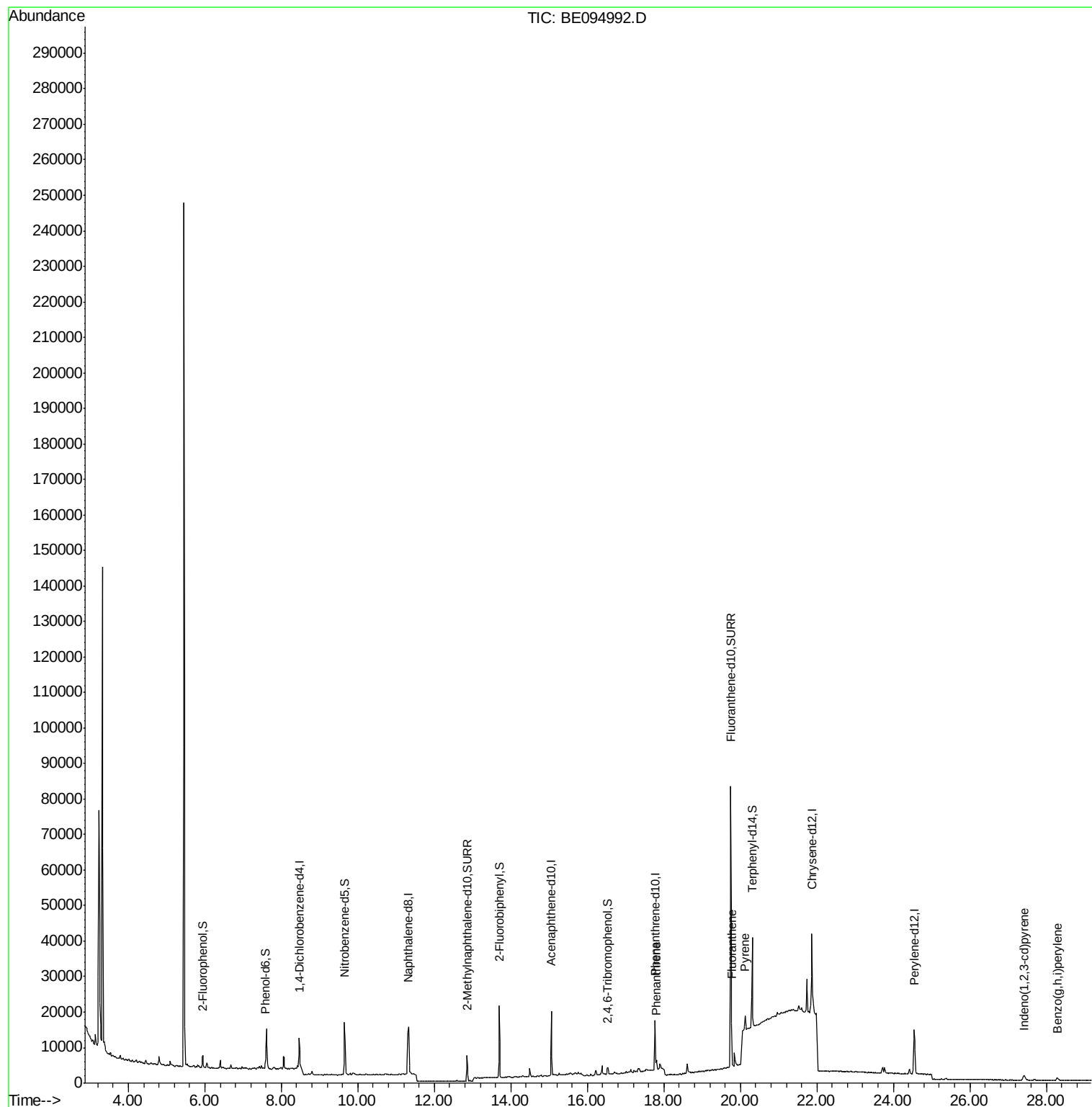
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7633	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17104	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9554	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	21561	0.40	ng	0.00
27) Chrysene-d12	21.87	240	28011	0.40	ng	0.00
34) Perylene-d12	24.54	264	20110	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1847	0.16	ng	0.00
5) Phenol-d6	7.59	99	1709	0.10	ng	0.00
8) Nitrobenzene-d5	9.65	82	6141	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	9631	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1374	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	18056	0.43	ng	0.00
25) Fluoranthene-d10	19.75	212	104430	0.37	ng	0.00
29) Terphenyl-d14	20.31	244	24071	0.46	ng	0.00
Target Compounds						
23) Phenanthrene	17.80	178	3311	0.049	ng	# 92
26) Fluoranthene	19.77	202	2885	0.035	ng	# 85
28) Pyrene	20.13	202	4929	0.052	ng	# 97
33) Indeno(1,2,3-cd)pyrene	27.41	276	2036	0.027	ng	# 90
39) Benzo(g,h,i)perylene	28.28	276	1941	0.032	ng	# 63

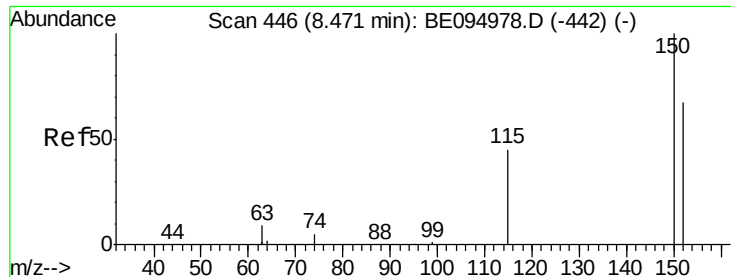
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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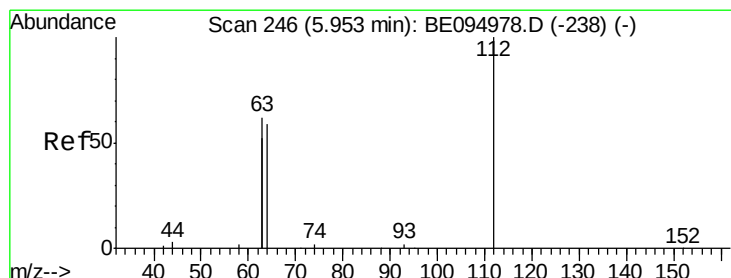
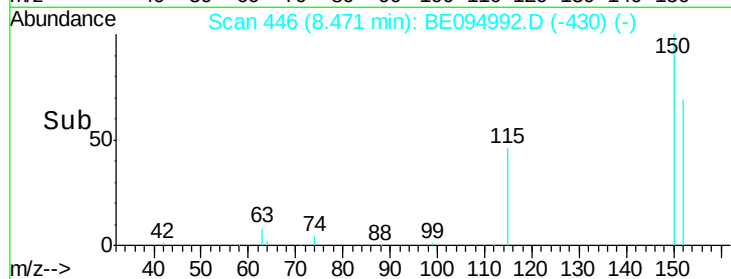
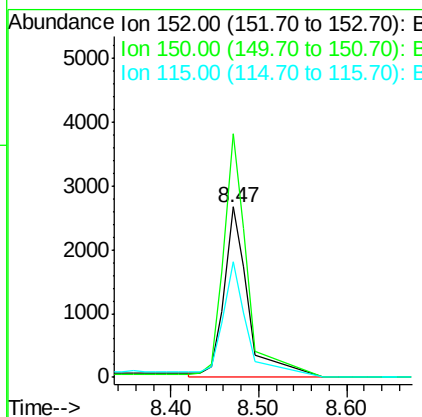
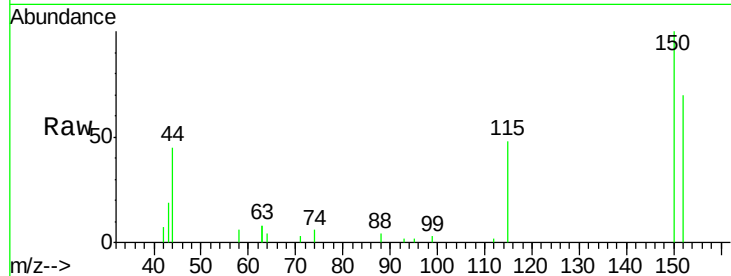




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.47 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: BE094992.D
 Acq: 15 Dec 2017 00:20

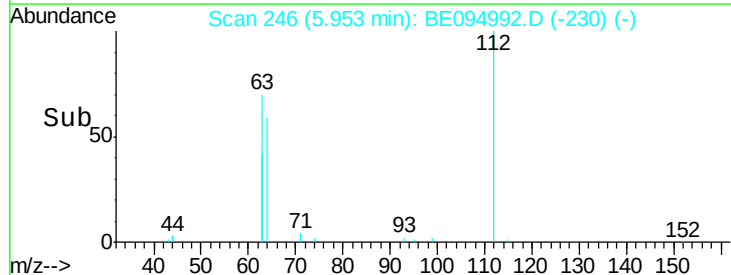
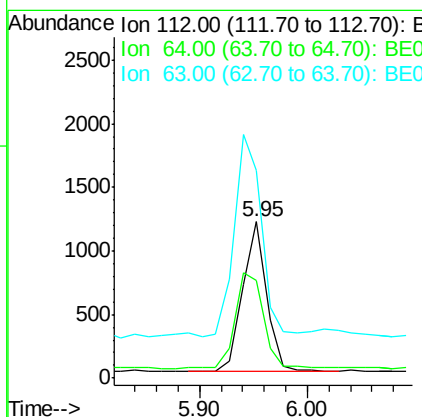
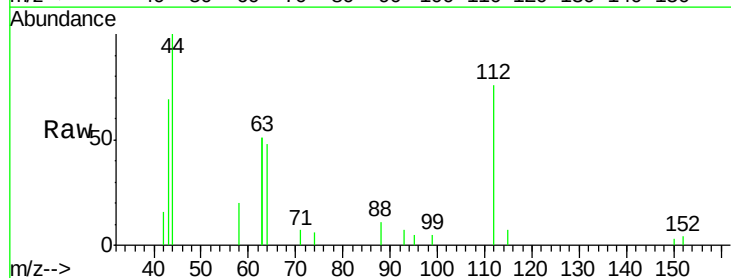
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-11

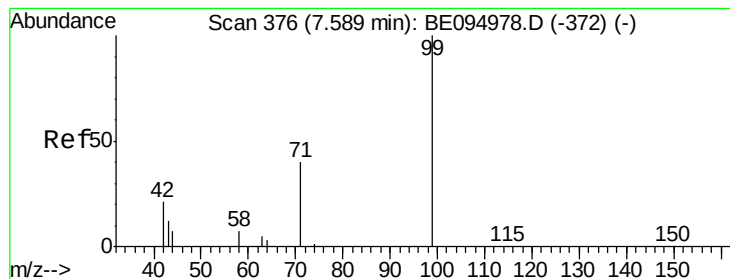
Tot Ion:152 Resp: 7633
 Ion Ratio Lower Upper
 152 100
 150 143.0 117.2 175.8
 115 68.2 57.0 85.6



#4
 2-Fluorophenol
 Concen: 0.156 ng
 RT: 5.95 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE094992.D
 Acq: 15 Dec 2017 00:20

Tgt Ion:112 Resp: 1847
 Ion Ratio Lower Upper
 112 100
 64 74.8 60.1 90.1
 63 159.4 116.8 175.2





#5

Phenol-d6

Concen: 0.097 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

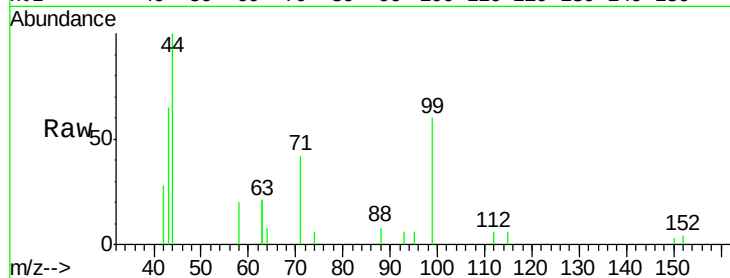
Tot Ion: 99 Resp: 1709

Ion Ratio Lower Upper

99 100

42 63.2 20.2 30.2#

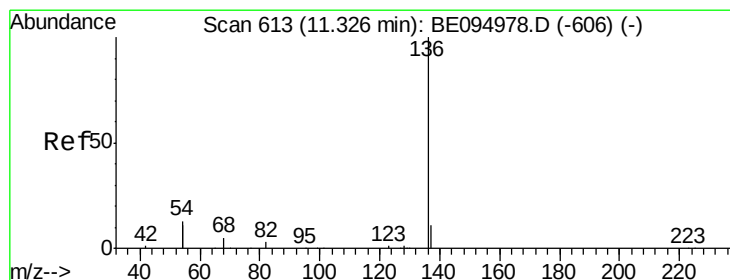
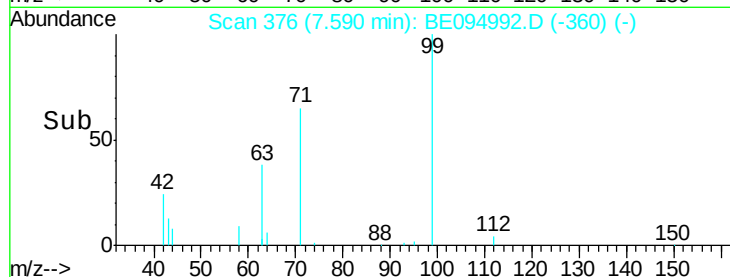
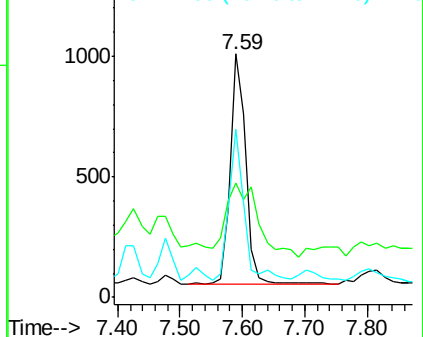
71 63.1 28.4 42.6#



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: BE094992.D

Acq: 15 Dec 2017 00:20

Tgt Ion: 136 Resp: 17104

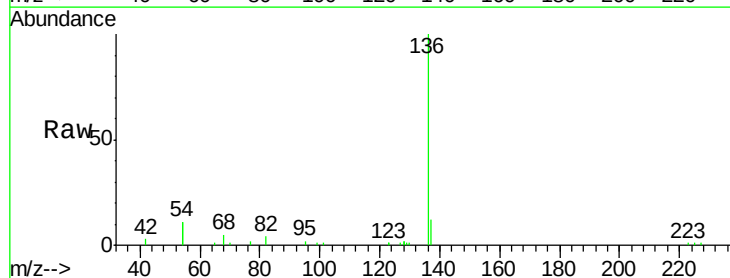
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 22.9 29.1 43.7#

68 5.4 6.2 9.2#

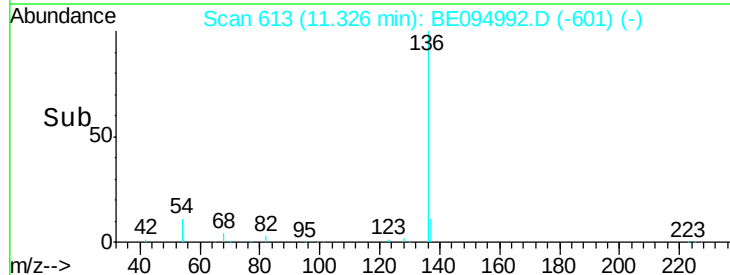
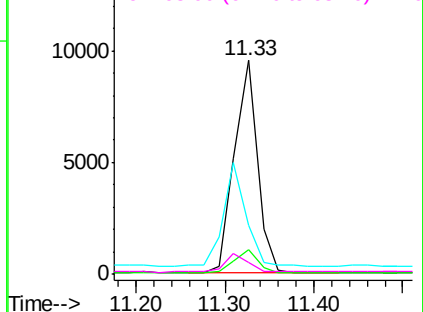


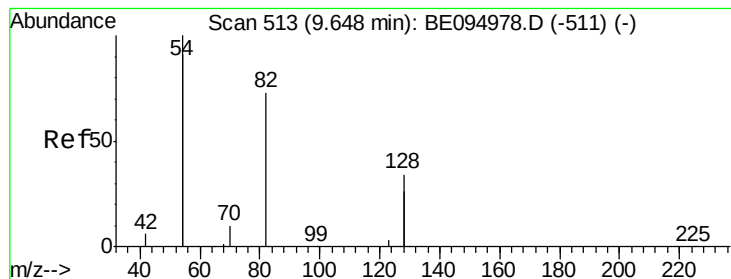
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.438 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

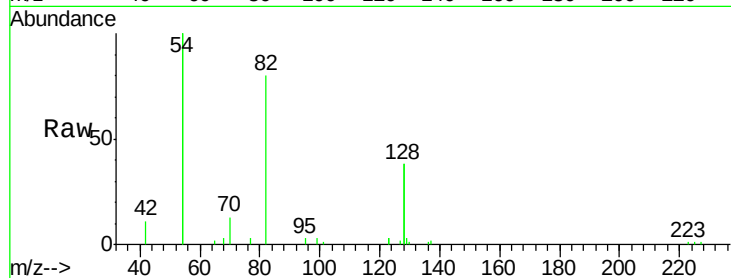
Tot Ion: 82 Resp: 6141

Ion Ratio Lower Upper

82 100

128 94.1 150.0 225.0#

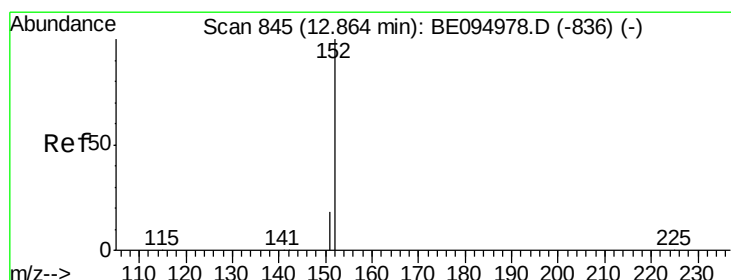
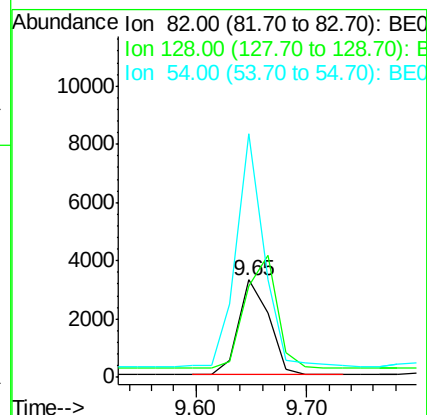
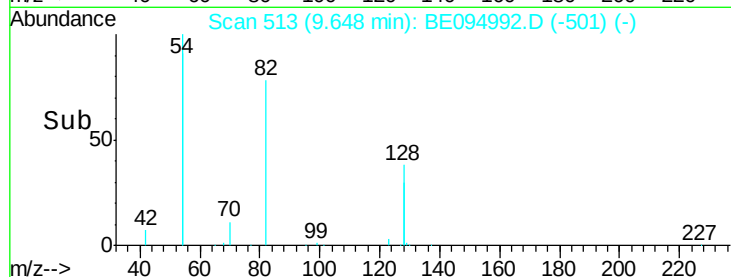
54 249.7 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094992.D (-501) (-)

Ion 128.00 (127.70 to 128.70): BE094992.D (-501) (-)

Ion 54.00 (53.70 to 54.70): BE094992.D (-501) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.344 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094992.D

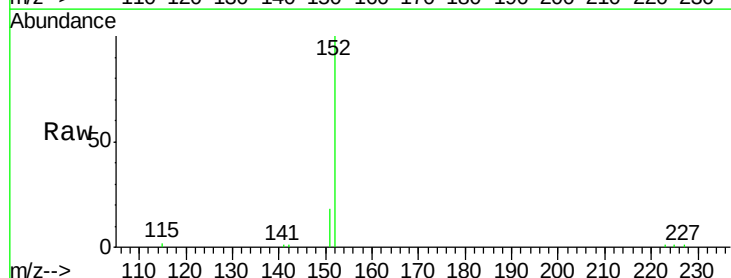
Acq: 15 Dec 2017 00:20

Tgt Ion: 152 Resp: 9631

Ion Ratio Lower Upper

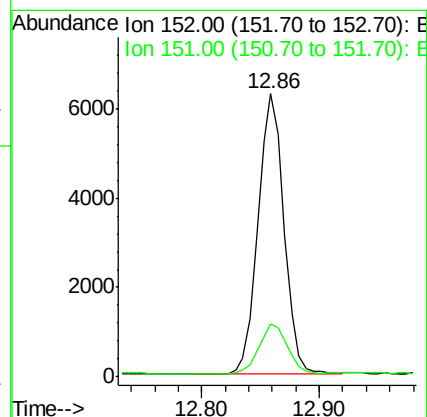
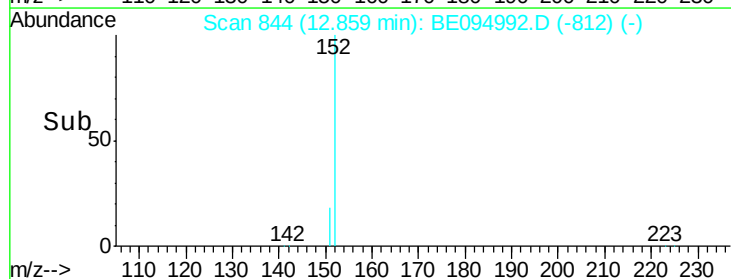
152 100

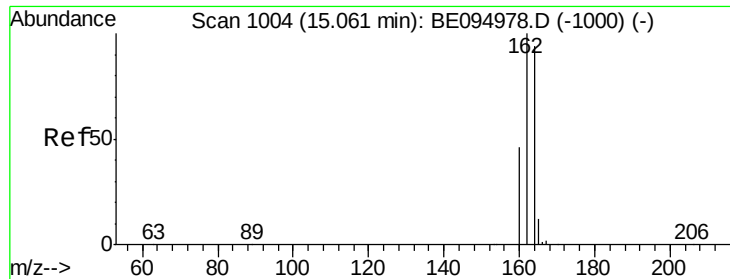
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094992.D (-812) (-)

Ion 151.00 (150.70 to 151.70): BE094992.D (-812) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

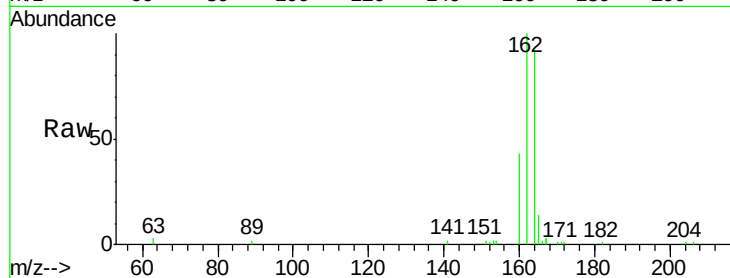
Tot Ion:164 Resp: 9554

Ion Ratio Lower Upper

164 100

162 108.7 83.1 124.7

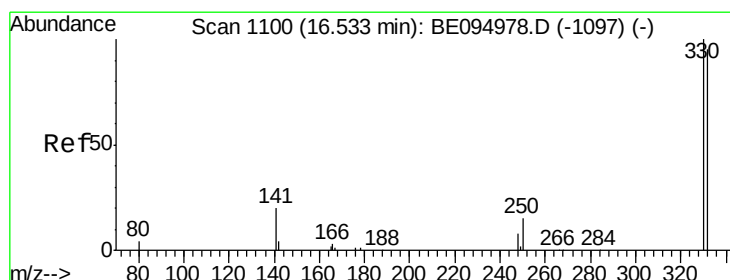
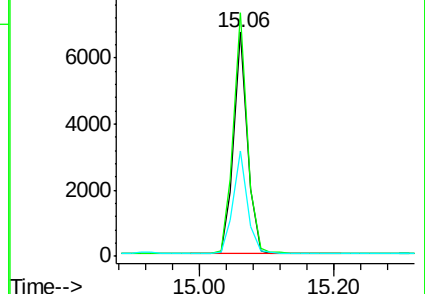
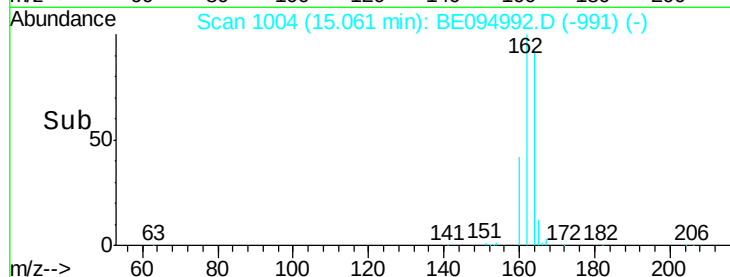
160 46.9 37.1 55.7



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: 0.619 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

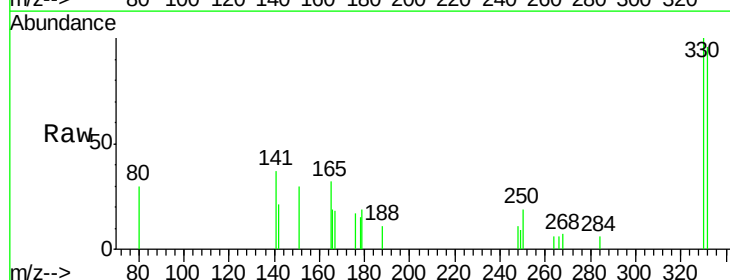
Tgt Ion:330 Resp: 1374

Ion Ratio Lower Upper

330 100

332 92.4 152.7 229.1#

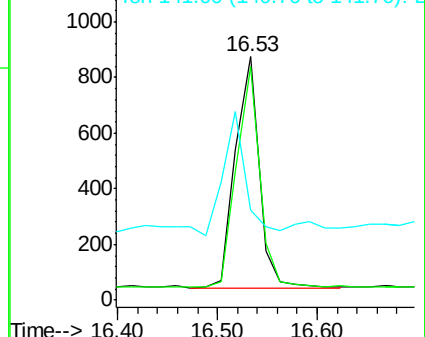
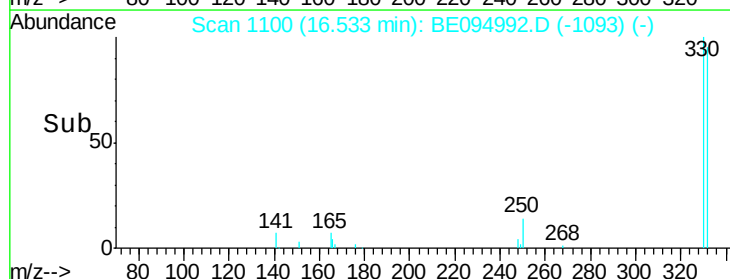
141 44.0 33.7 50.5

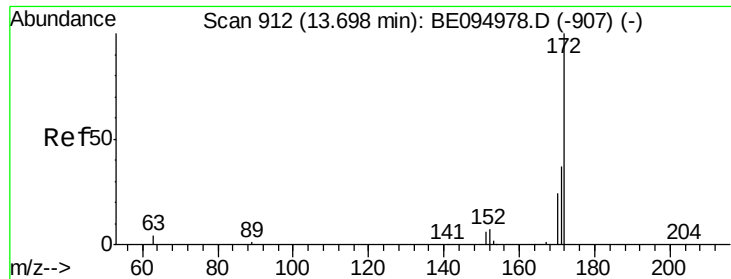


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

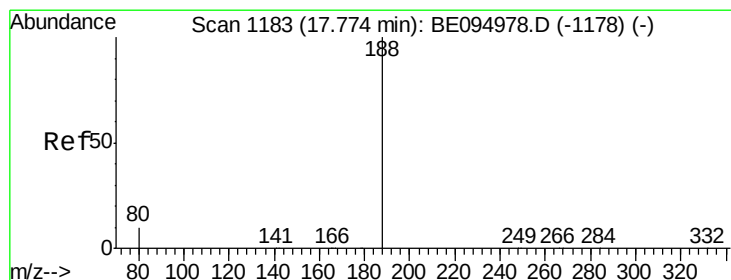
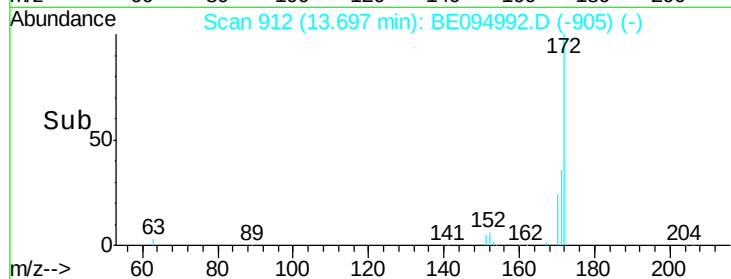
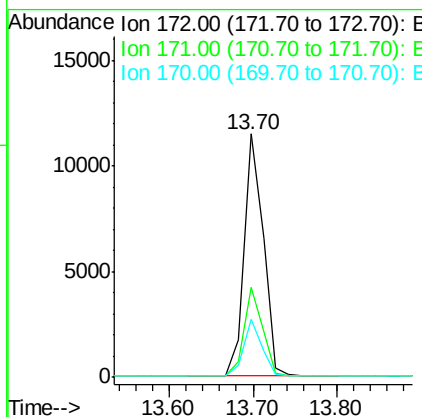
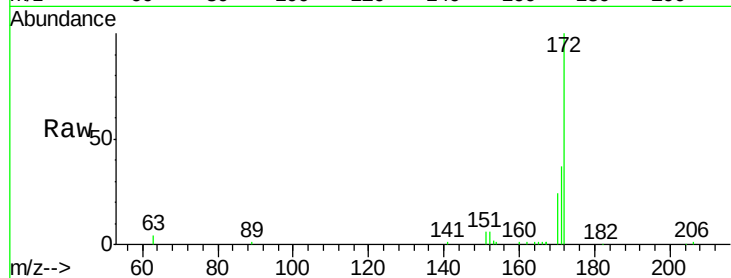




#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 13.70 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

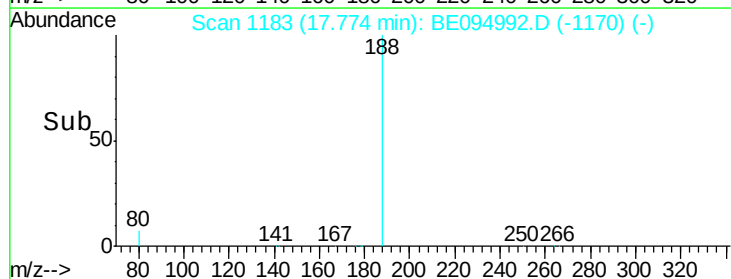
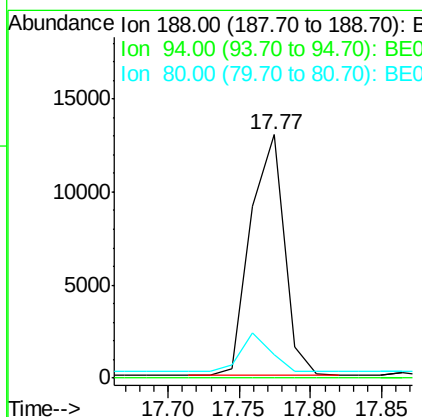
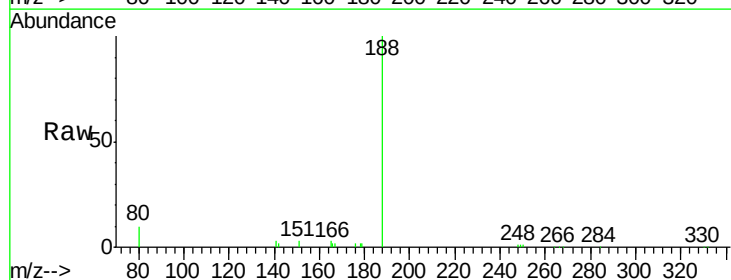
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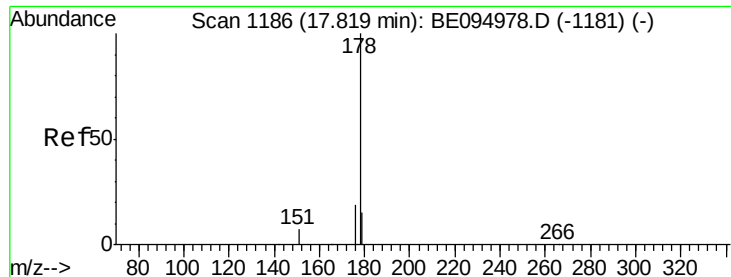
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.0	21.8	32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.6	3.6	5.4#





#23

Phenanthrene

Concen: 0.049 ng

RT: 17.80 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

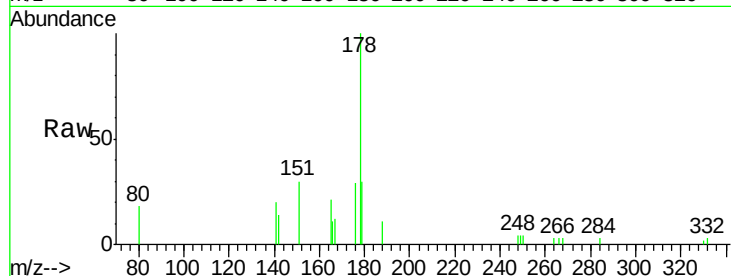
Tot Ion:178 Resp: 3311

Ion Ratio Lower Upper

178 100

176 24.9 15.1 22.7#

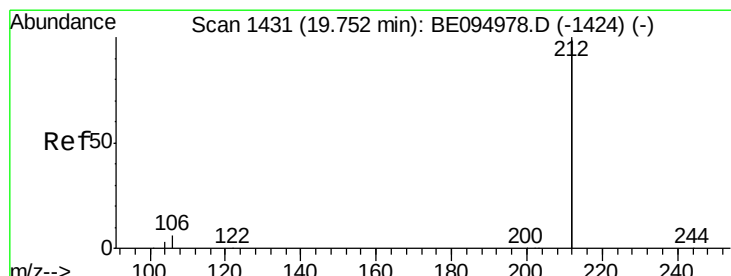
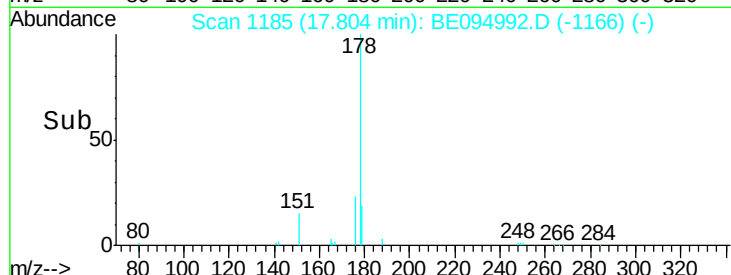
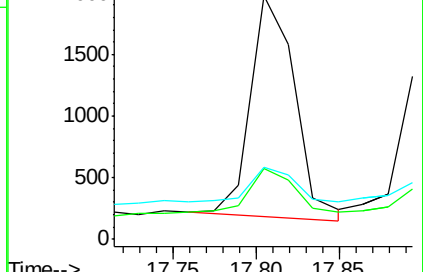
179 15.2 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

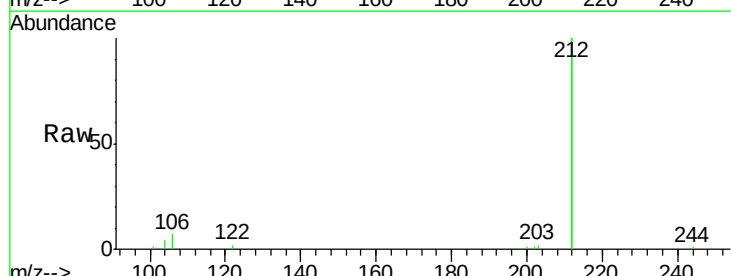
Tgt Ion:212 Resp: 104430

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

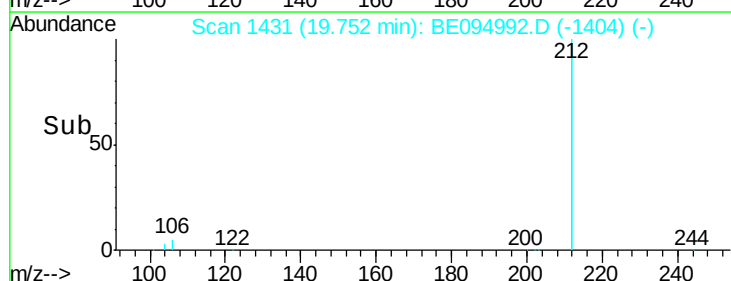
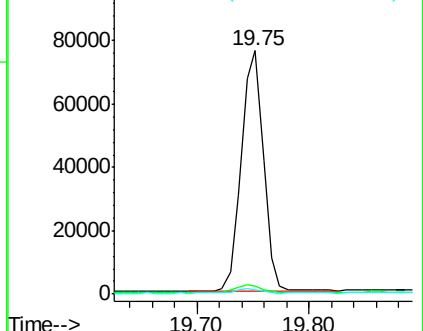
104 2.1 1.6 2.4

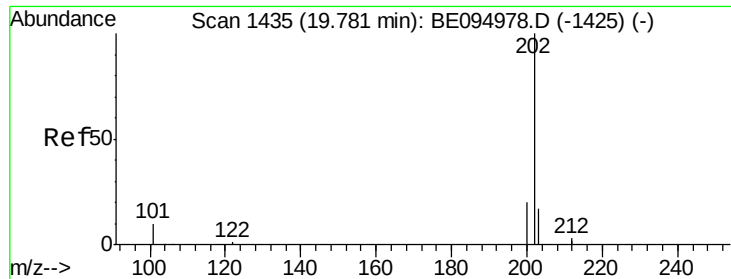


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

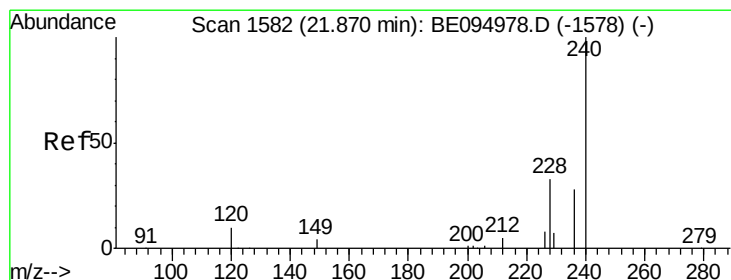
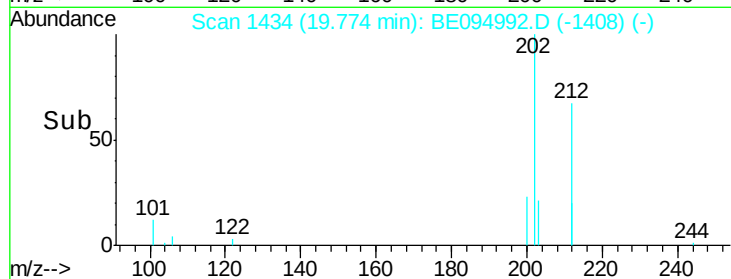
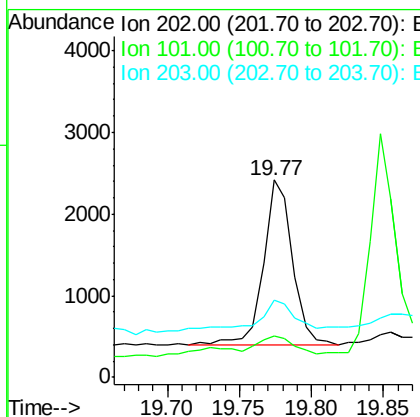
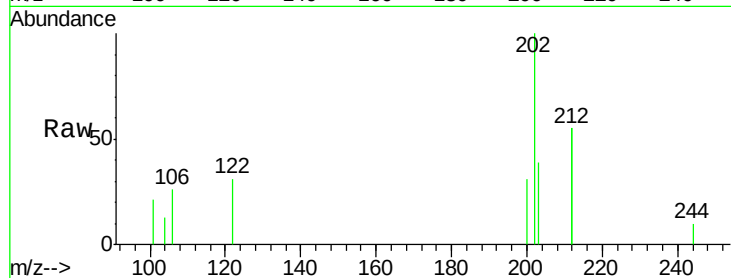




#26
Fluoranthene
Concen: 0.035 ng
RT: 19.77 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

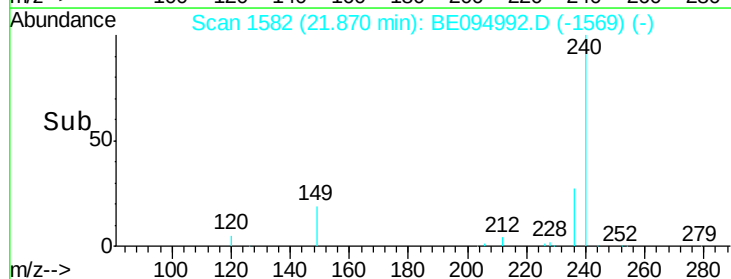
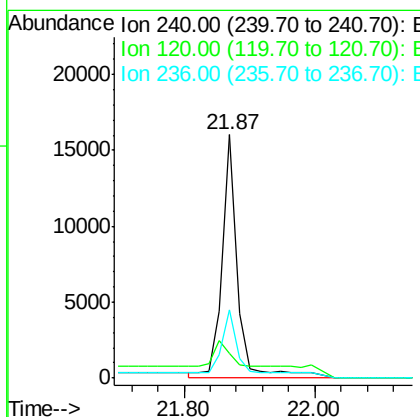
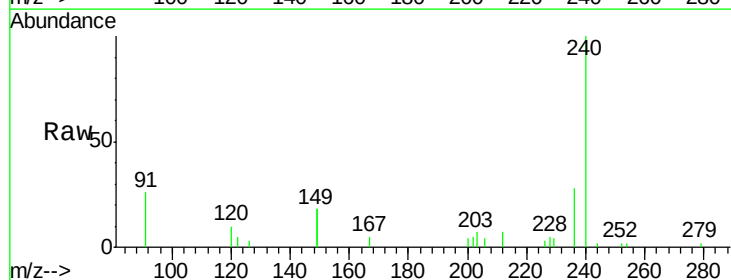
Instrument :
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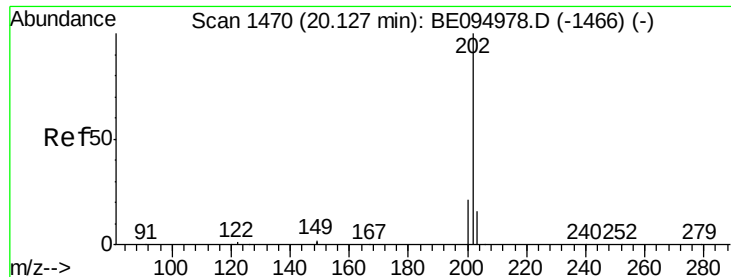
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.8	14.8
203	28.2	13.7	20.5#



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	5.5	8.3#
236	28.2	20.7	31.1

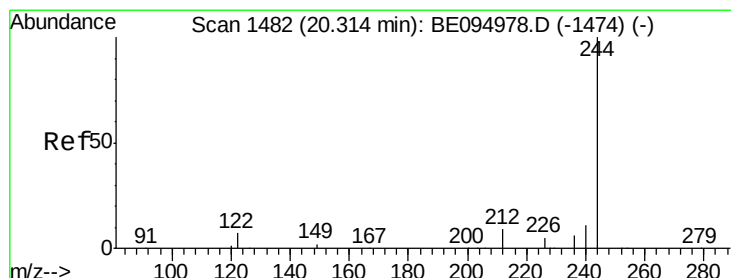
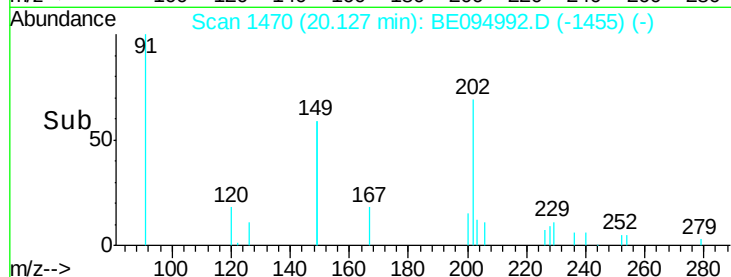
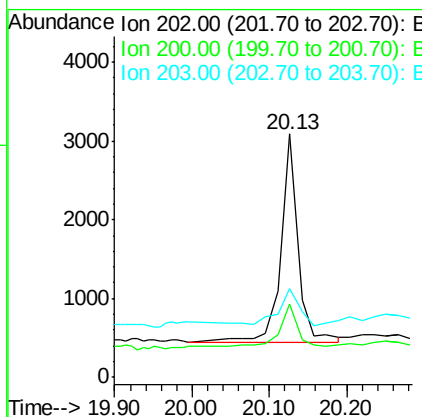
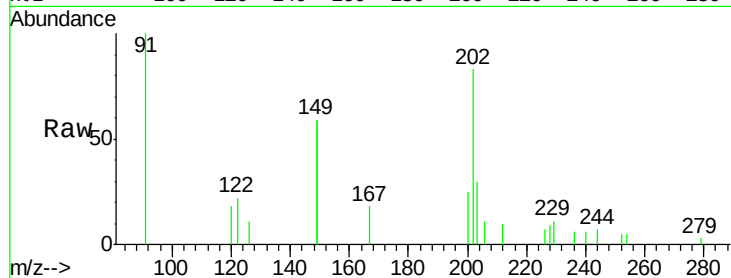




#28
Pvrene
Concen: 0.052 ng
RT: 20.13 min Scan# 1470
Delta R.T. -0.00 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

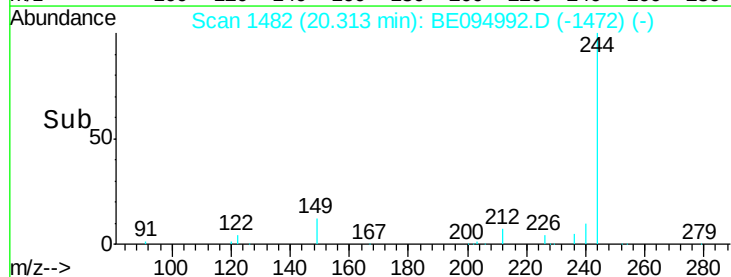
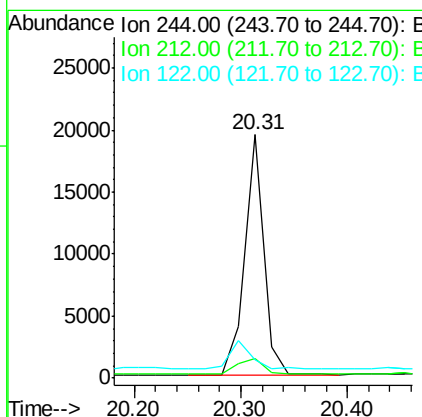
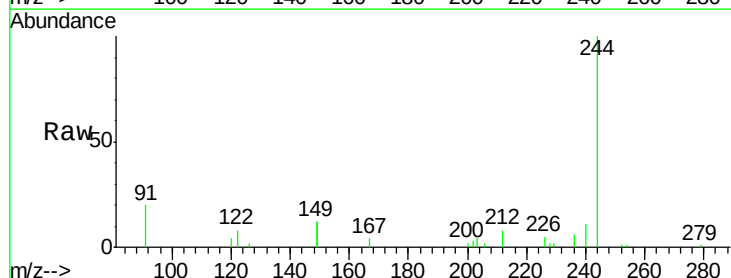
Instrument :
BNA_E
ClientSampleId :
YT-MW-11

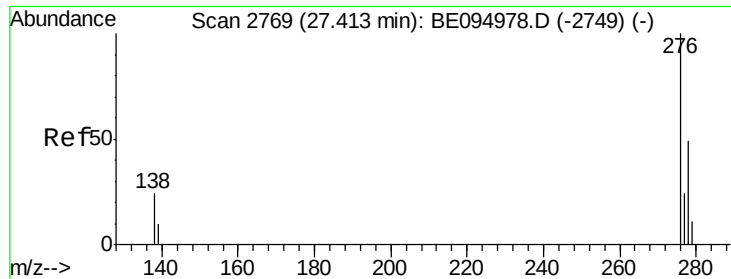
Tot Ion:202 Resp: 4929
Ion Ratio Lower Upper
202 100
200 21.5 16.6 25.0
203 15.3 13.8 20.8



#29
Terphenyl-d14
Concen: 0.456 ng
RT: 20.31 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BE094992.D
Acq: 15 Dec 2017 00:20

Tgt Ion:244 Resp: 24071
Ion Ratio Lower Upper
244 100
212 8.3 25.4 38.0#
122 7.6 8.1 12.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.027 ng

RT: 27.41 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

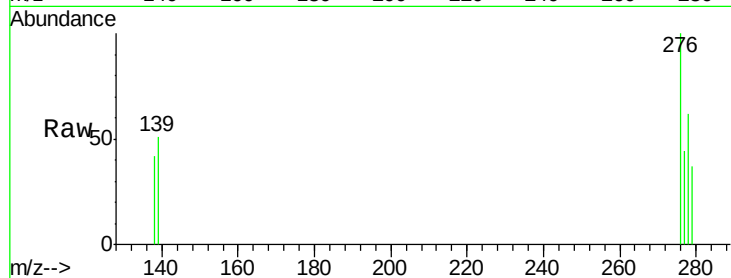
Tot Ion:276 Resp: 2036

Ion Ratio Lower Upper

276 100

138 18.8 22.5 33.7#

277 25.9 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

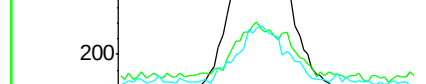
27.41

600

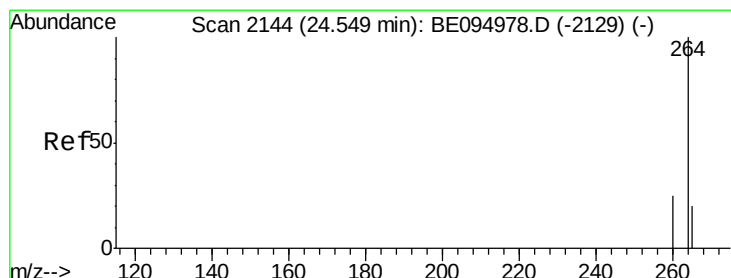
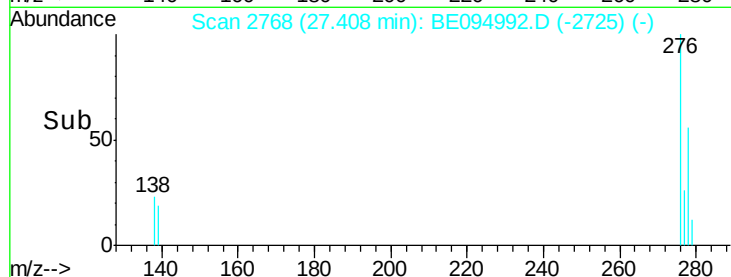
400

200

0



Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.54 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BE094992.D

Acq: 15 Dec 2017 00:20

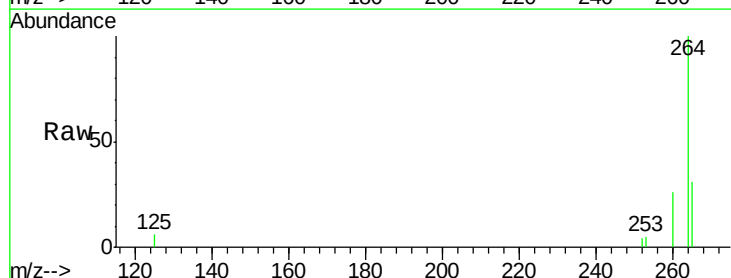
Tgt Ion:264 Resp: 20110

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 31.4 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

24.54

12000

10000

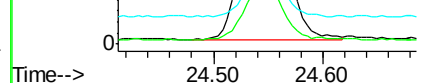
8000

6000

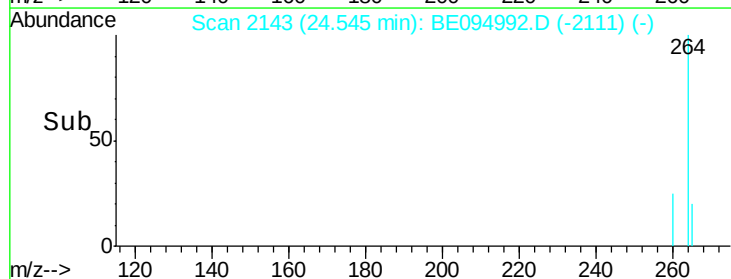
4000

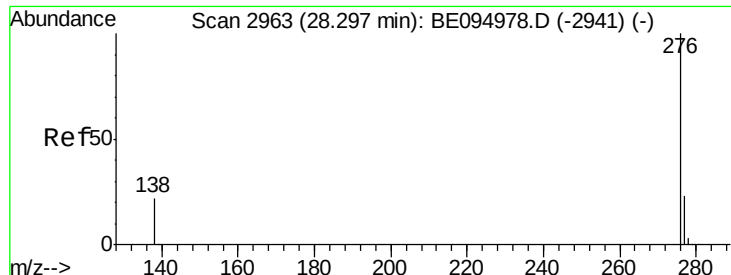
2000

0



Time-->





#39

Benzo(a,h,i)perylene

Concen: 0.032 ng

RT: 28.28 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BE094992.D

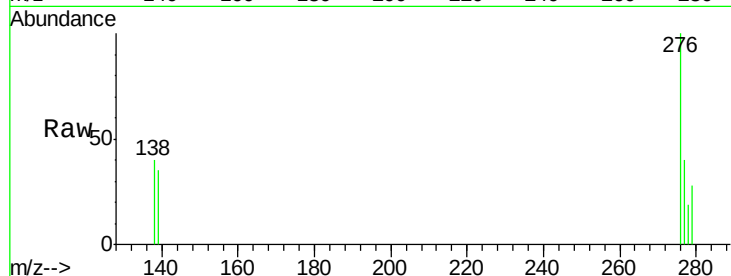
Acq: 15 Dec 2017 00:20

Instrument :

BNA_E

ClientSampleId :

YT-MW-11



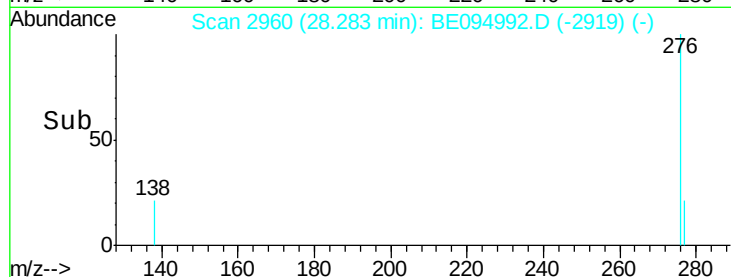
Tot Ion: 276 Resp: 1941

Ion Ratio Lower Upper

276 100

277 40.3 16.0 24.0#

138 40.3 20.0 30.0#



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

