

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110917\
 Data File : BE094791.D
 Acq On : 8 Nov 2017 20:05
 Operator : SJ/JU
 Sample : I6328-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-5

Quant Time: Nov 09 00:22:12 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

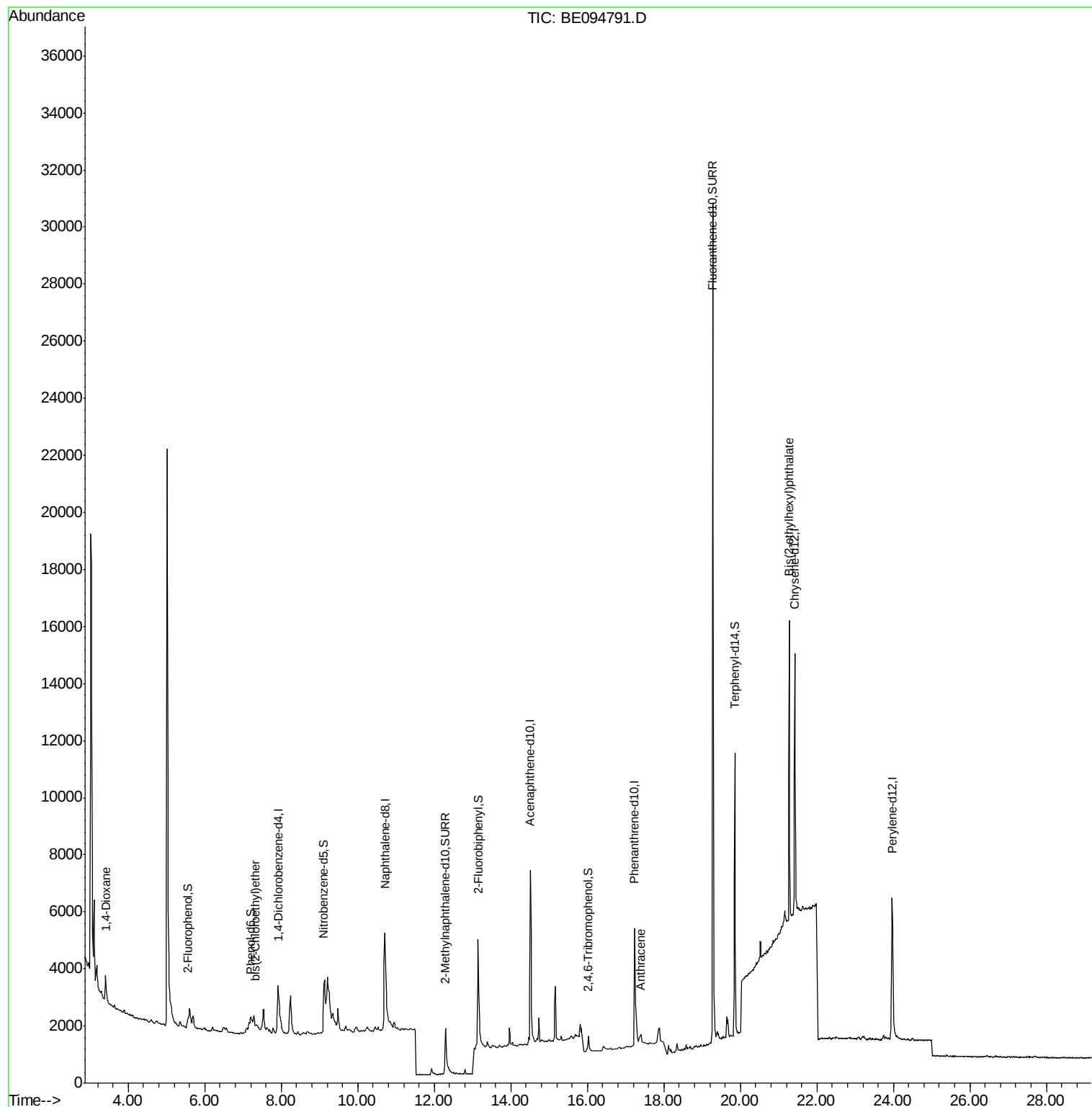
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1292	0.40	ng	0.01
7) Naphthalene-d8	10.71	136	7438	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4496	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9092	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10313	0.40	ng	0.00
34) Perylene-d12	23.97	264	9220	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.56	112	593	0.13	ng	0.04
5) Phenol-d6	7.19	99	703	0.11	ng	0.05
8) Nitrobenzene-d5	9.11	82	1906	0.32	ng	0.03
11) 2-Methylnaphthalene-d10	12.29	152	4307	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	608	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6008	0.38	ng	0.00
25) Fluoranthene-d10	19.28	212	45118	0.40	ng	0.00
29) Terphenyl-d14	19.85	244	9087	0.47	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.41	88	748	0.34	ng	# 51
6) bis(2-Chloroethyl)ether	7.31	93	135	0.03	ng	# 1
24) Anthracene	17.40	178	1647	0.06	ng	# 74
26) Fluoranthene	19.31	202	455	Below Cal		# 34
32) Bis(2-ethylhexyl)phthalate	21.28	149	11761	0.14	ng	# 100

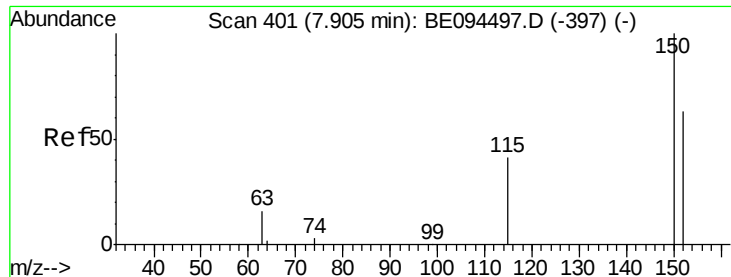
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.92 min Scan# 402

Delta R.T. 0.01 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampled :

MW-5

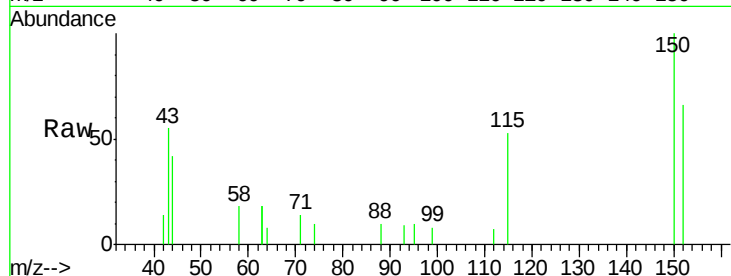
Tot Ion:152 Resp: 1292

Ion Ratio Lower Upper

152 100

150 152.1 117.2 175.8

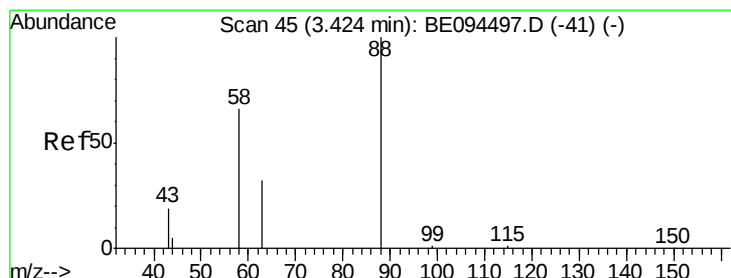
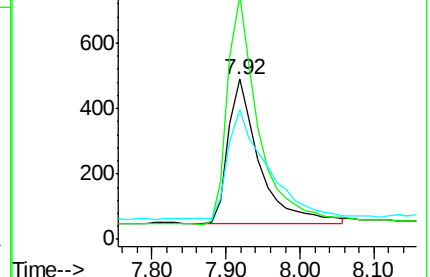
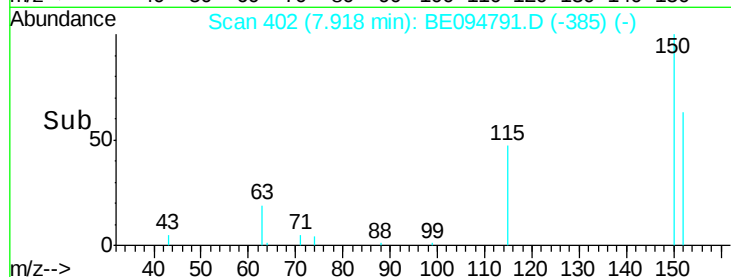
115 80.8 57.0 85.6



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: 0.34 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

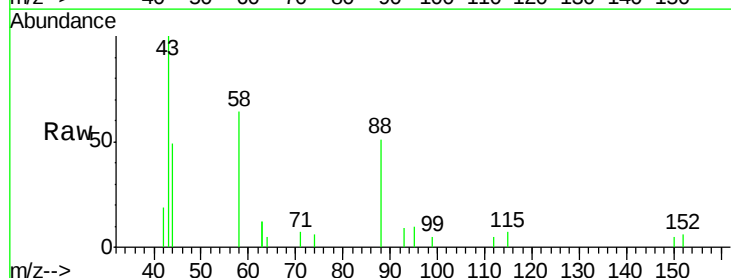
Tgt Ion: 88 Resp: 748

Ion Ratio Lower Upper

88 100

58 100.1 63.2 94.8#

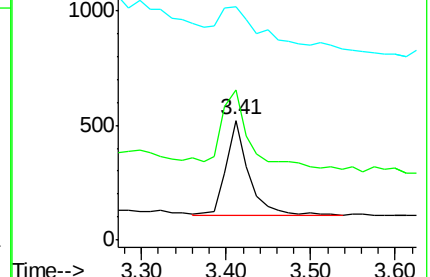
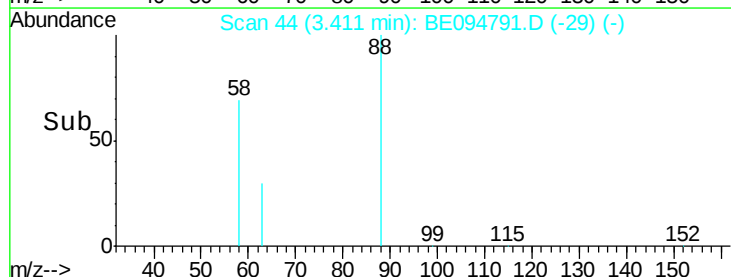
43 112.2 41.2 61.8#

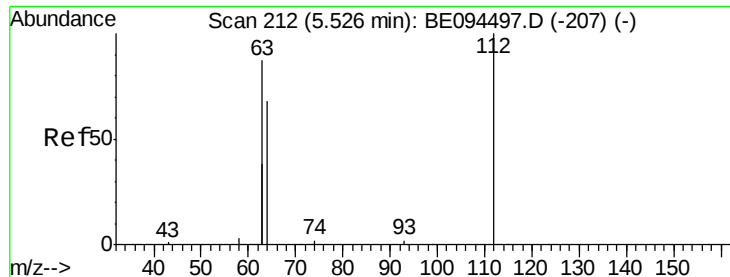


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.13 ng

RT: 5.56 min Scan# 215

Delta R.T. 0.04 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampled :

MW-5

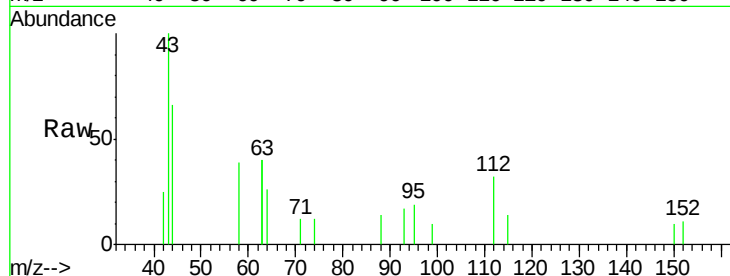
Tot Ion: 112 Resp: 593

Ion Ratio Lower Upper

112 100

64 69.5 60.1 90.1

63 155.1 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

500

400

300

200

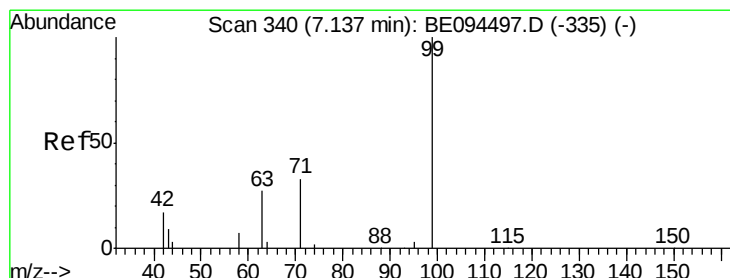
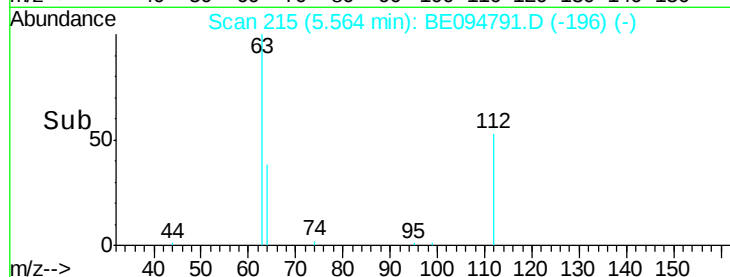
100

0

5.50 5.55 5.60 5.65 5.70

5.56

Time-->



#5

Phenol-d6

Concen: 0.11 ng

RT: 7.19 min Scan# 344

Delta R.T. 0.05 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

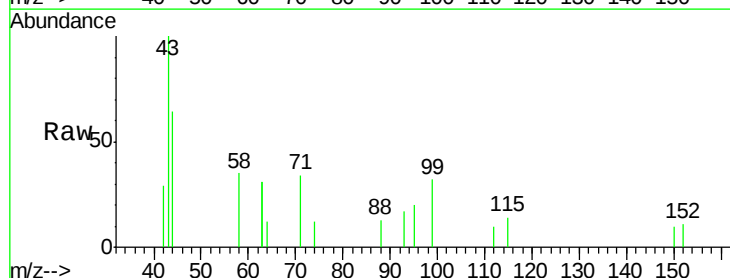
Tgt Ion: 99 Resp: 703

Ion Ratio Lower Upper

99 100

42 19.9 20.2 30.2#

71 0.0 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

400

300

200

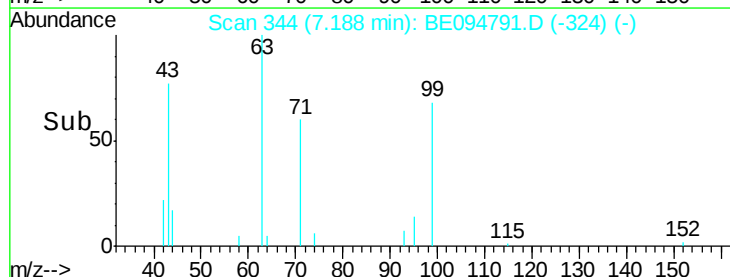
100

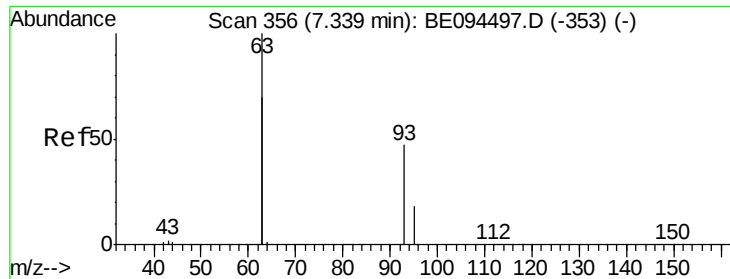
0

7.00 7.05 7.10 7.15 7.20 7.25 7.30 7.35 7.40

7.19

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.31 min Scan# 354

Delta R.T. -0.03 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampleId :

MW-5

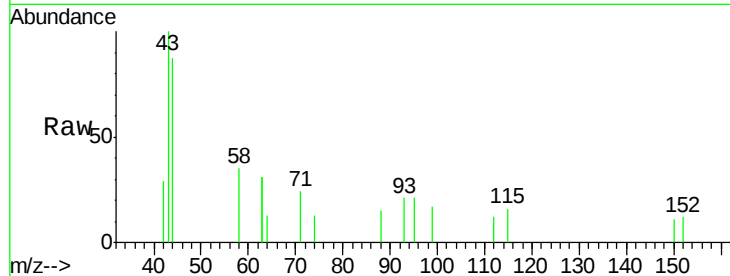
Tot Ion: 93 Resp: 135

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

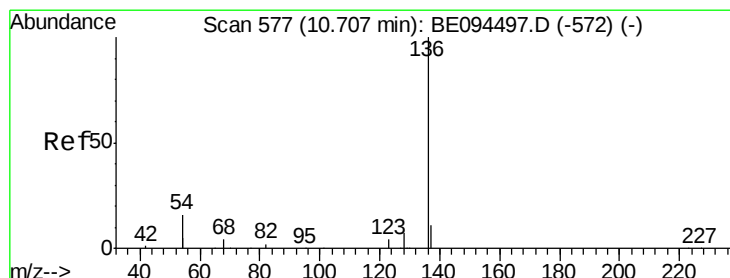
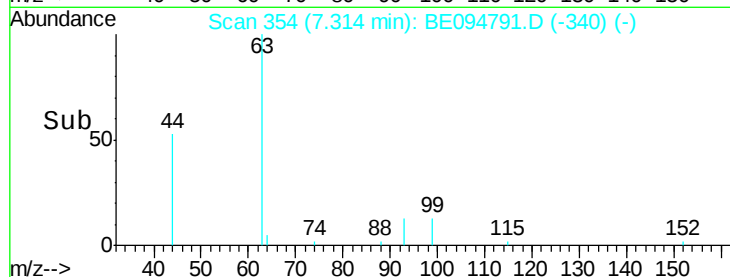
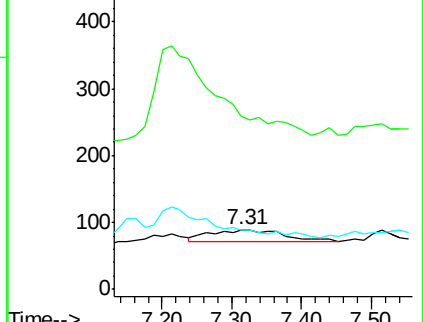
95 0.0 25.2 37.8#



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: 0.40 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Tgt Ion: 136 Resp: 7438

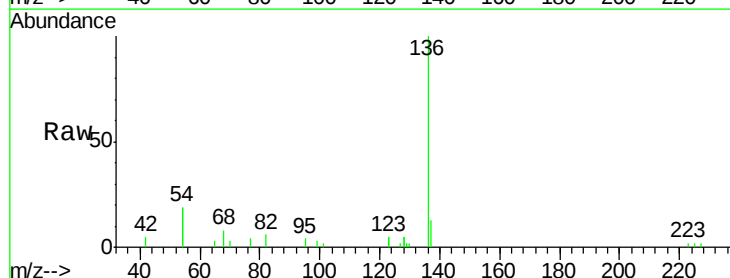
Ion Ratio Lower Upper

136 100

137 13.3 9.5 14.3

54 38.5 29.1 43.7

68 8.5 6.2 9.2

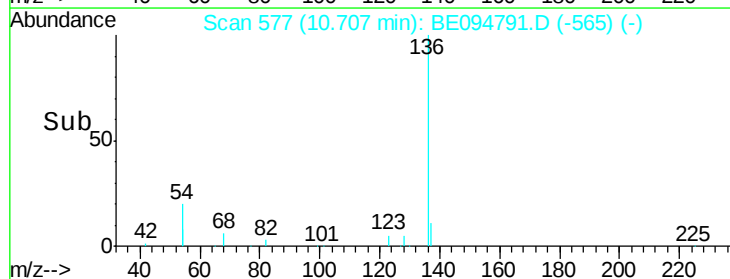
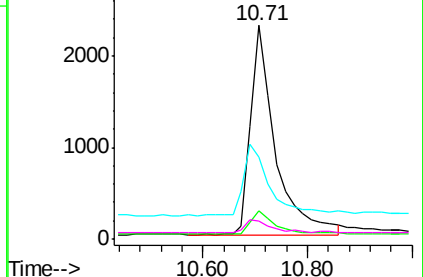


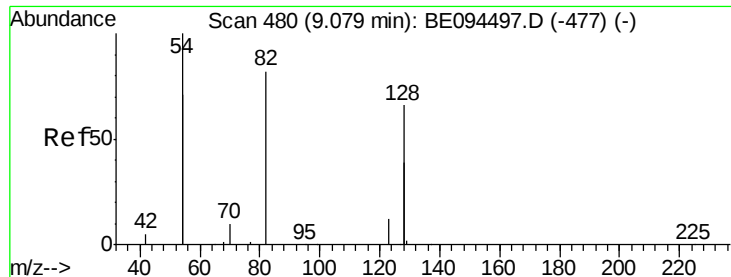
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.32 ng

RT: 9.11 min Scan# 482

Delta R.T. 0.03 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampleId :

MW-5

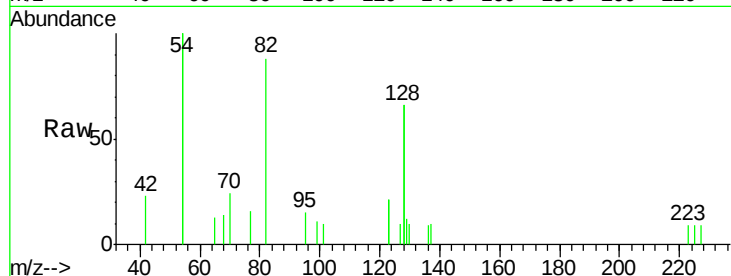
Tot Ion: 82 Resp: 1906

Ion Ratio Lower Upper

82 100

128 151.5 150.0 225.0

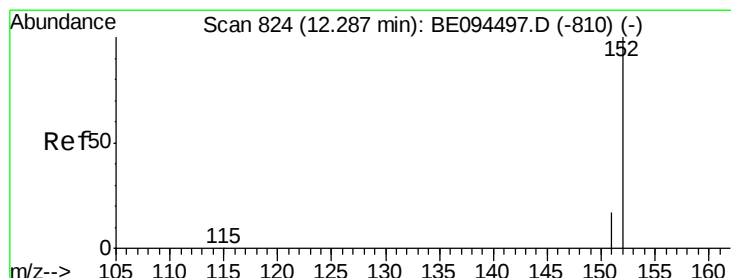
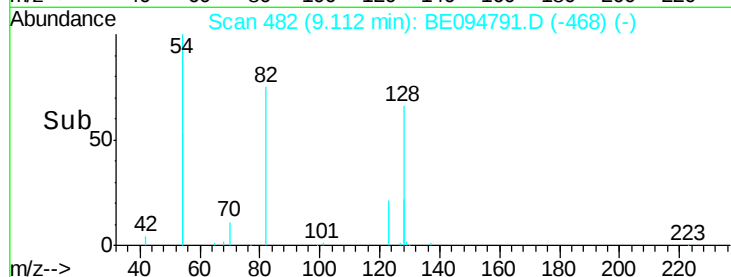
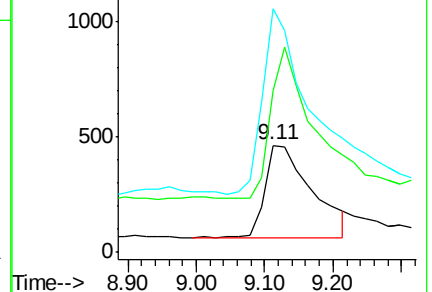
54 228.1 154.2 231.4



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: 0.36 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE094791.D

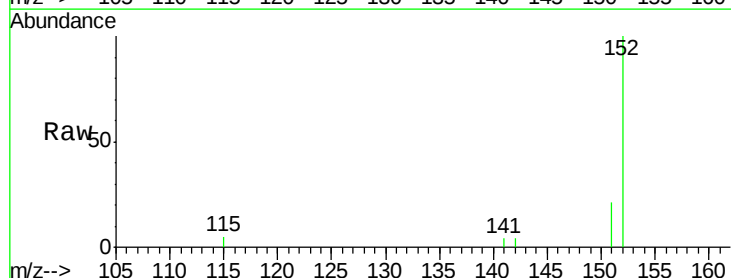
Acq: 8 Nov 2017 20:05

Tgt Ion: 152 Resp: 4307

Ion Ratio Lower Upper

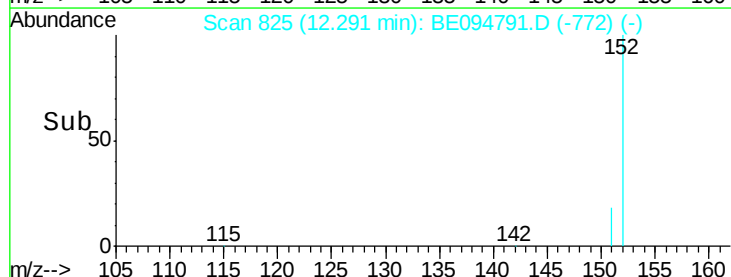
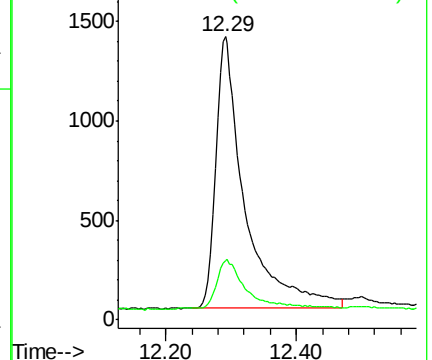
152 100

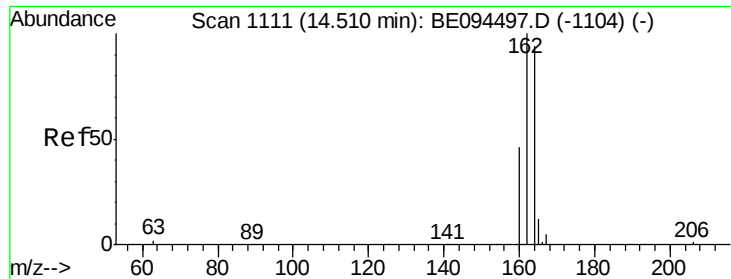
151 18.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

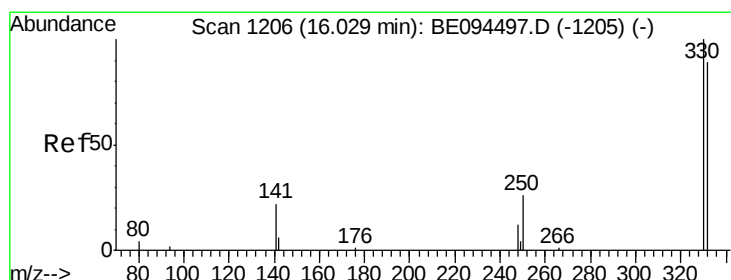
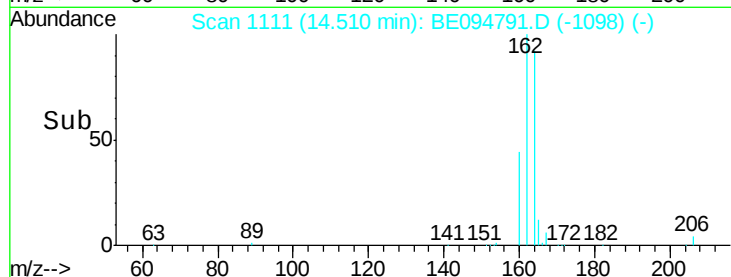
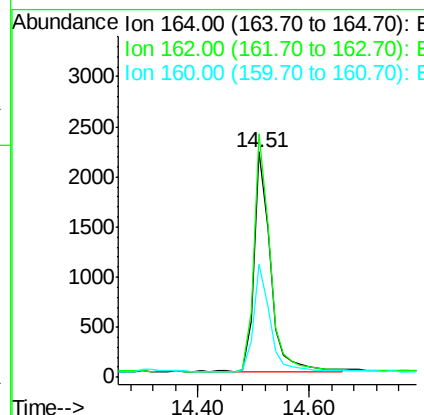
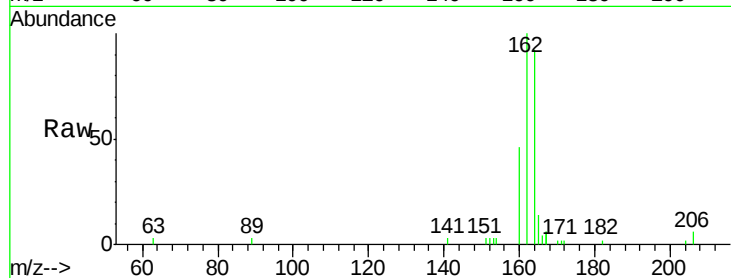




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094791.D
Acq: 8 Nov 2017 20:05

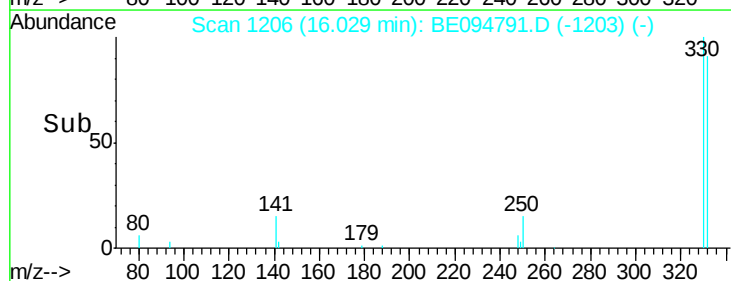
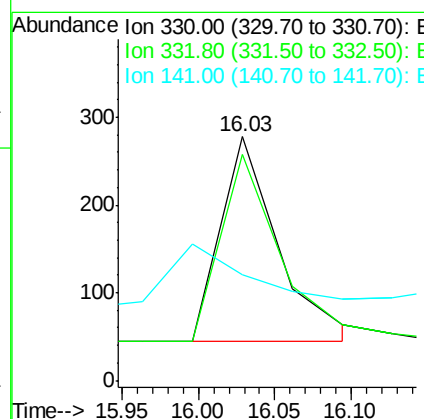
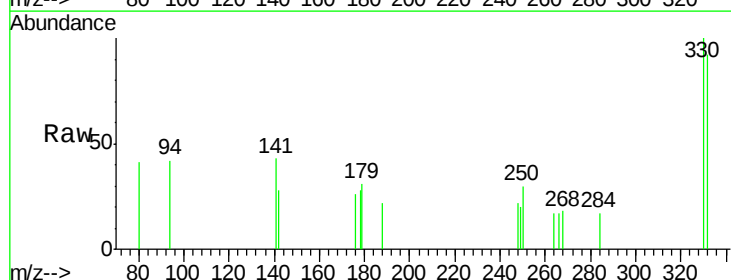
Instrument :
BNA_E
ClientSampleId :
MW-5

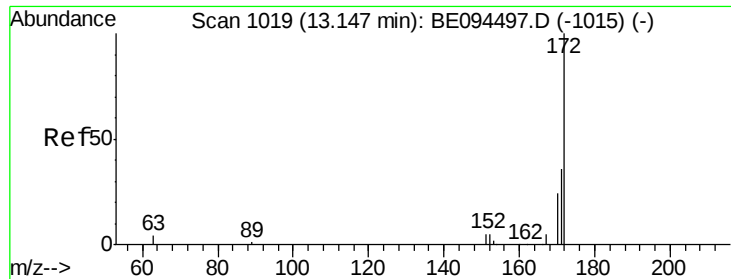
Tot Ion:164 Resp: 4496
Ion Ratio Lower Upper
164 100
162 108.1 83.1 124.7
160 50.1 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.49 ng
RT: 16.03 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BE094791.D
Acq: 8 Nov 2017 20:05

Tgt Ion:330 Resp: 608
Ion Ratio Lower Upper
330 100
332 94.6 152.7 229.1#
141 0.0 33.7 50.5#

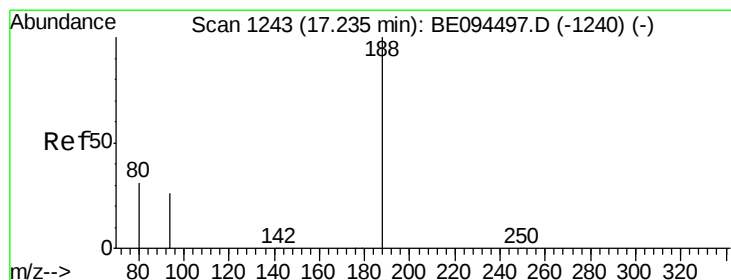
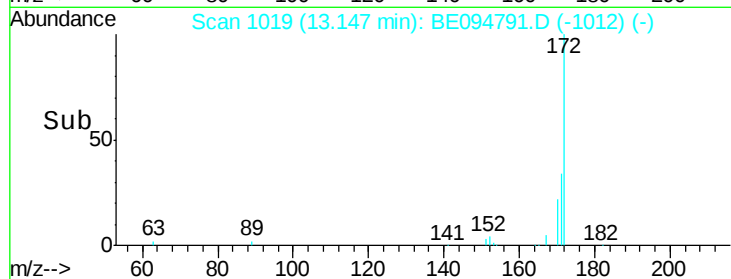
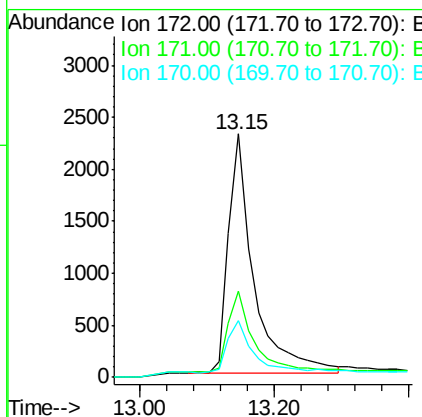
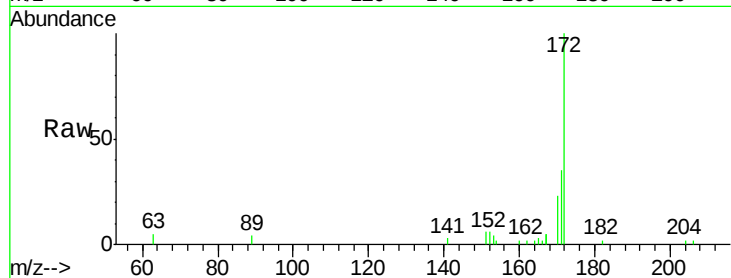




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE094791.D
Acq: 8 Nov 2017 20:05

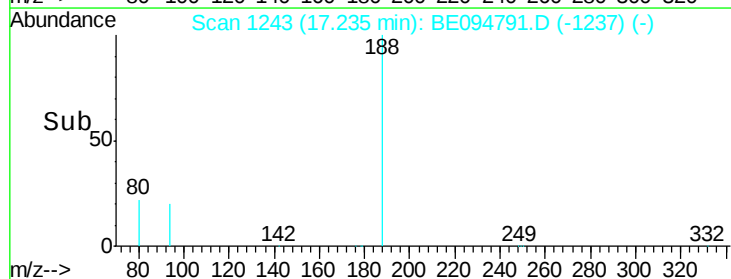
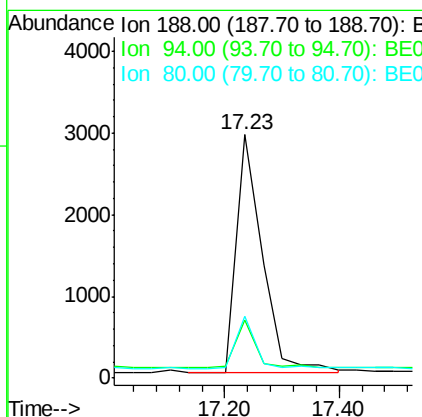
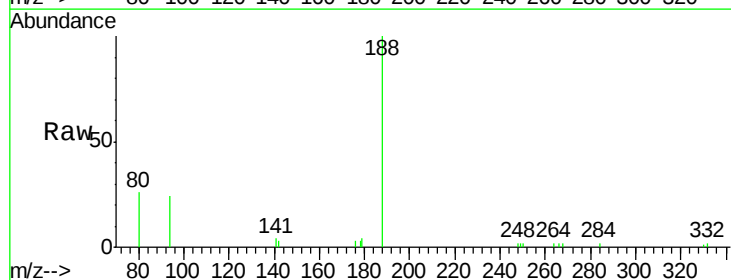
Instrument :
BNA_E
ClientSampled :
MW-5

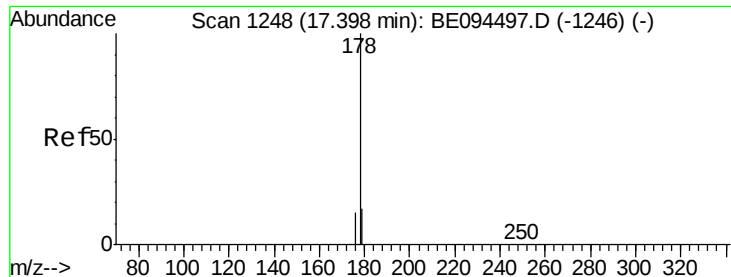
Tot Ion:172 Resp: 6008
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 23.3 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.23 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094791.D
Acq: 8 Nov 2017 20:05

Tgt Ion:188 Resp: 9092
Ion Ratio Lower Upper
188 100
94 24.1 3.9 5.9#
80 25.6 3.6 5.4#





#24

Anthracene

Concen: 0.06 ng

RT: 17.40 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampleId :

MW-5

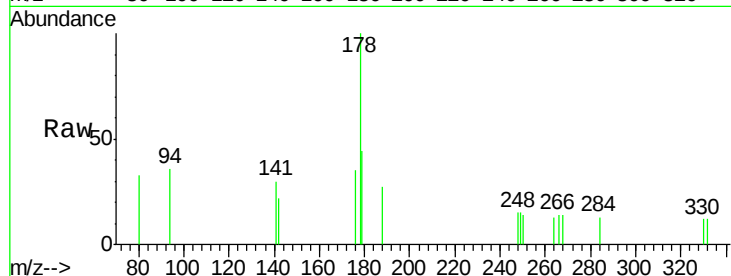
Tot Ion:178 Resp: 1647

Ion Ratio Lower Upper

178 100

176 15.3 12.8 19.2

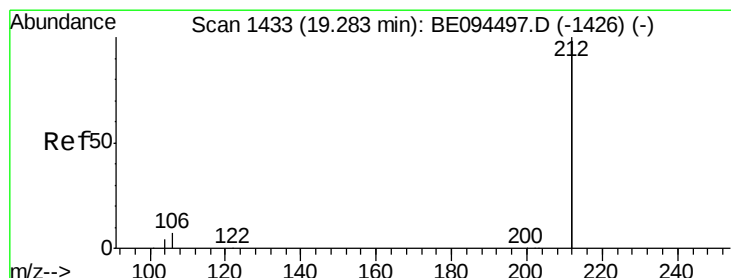
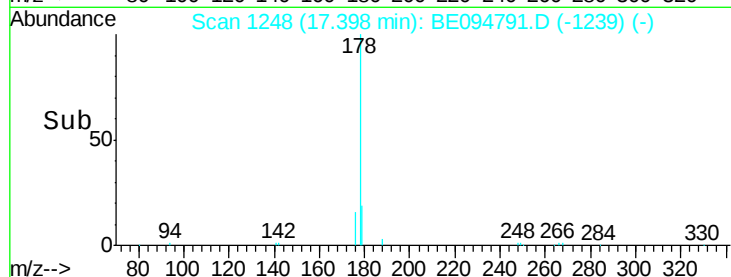
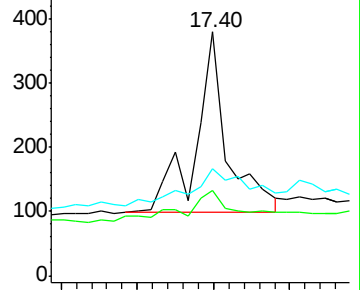
179 38.0 13.0 19.6#



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: 0.40 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

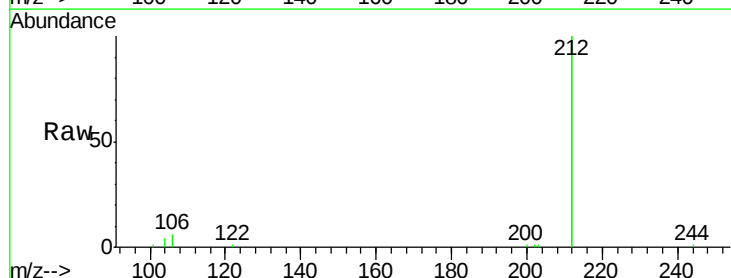
Tgt Ion:212 Resp: 45118

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

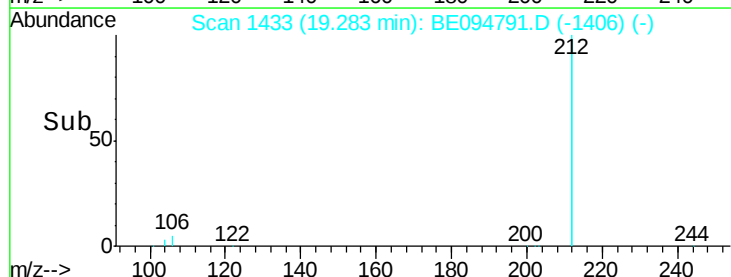
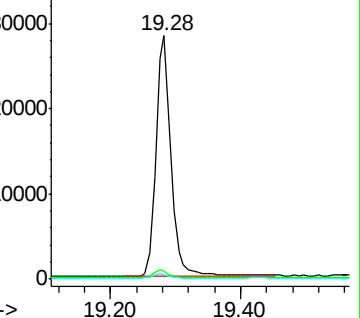
104 2.0 1.6 2.4

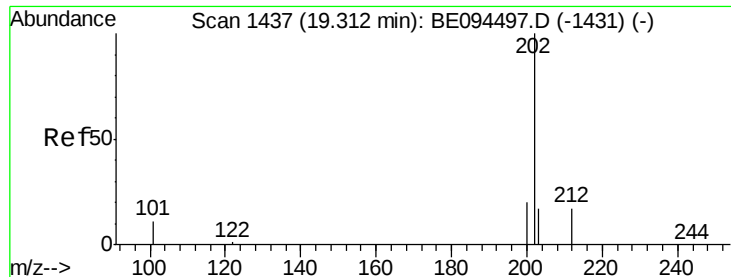


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

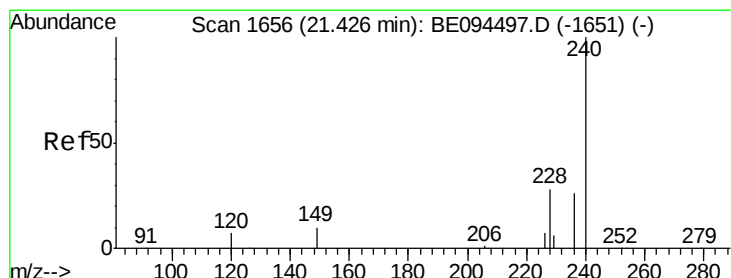
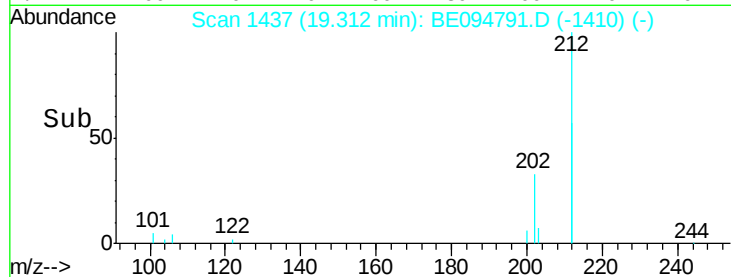
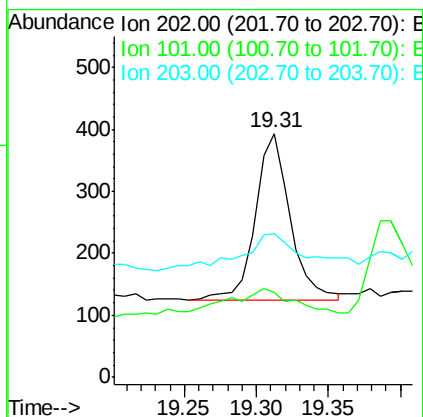
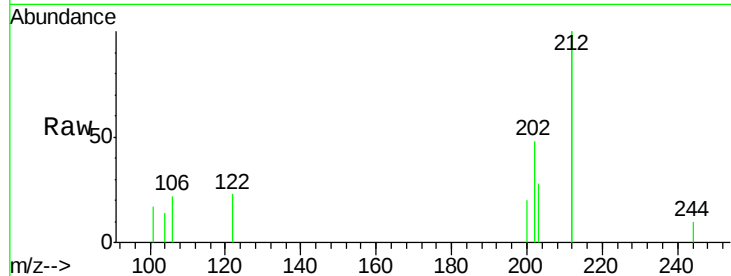




#26
 Fluoranthene
 Concen: Below Cal
 RT: 19.31 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BE094791.D
 Acq: 8 Nov 2017 20:05

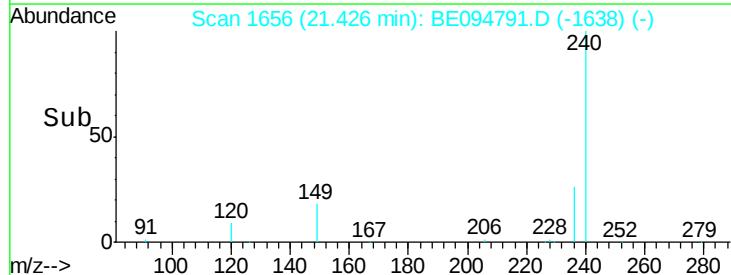
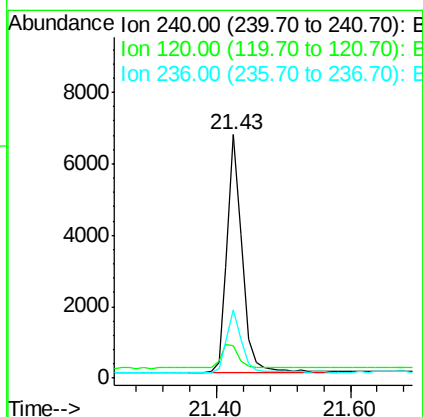
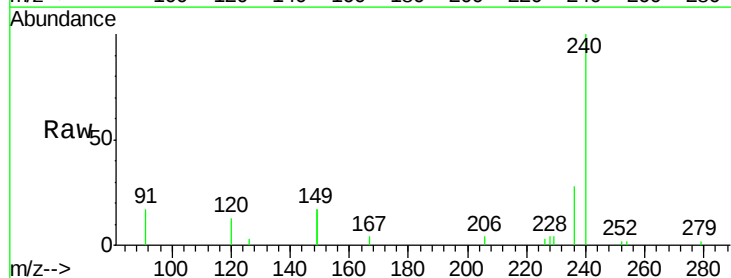
Instrument :
 BNA_E
 ClientSampleId :
 MW-5

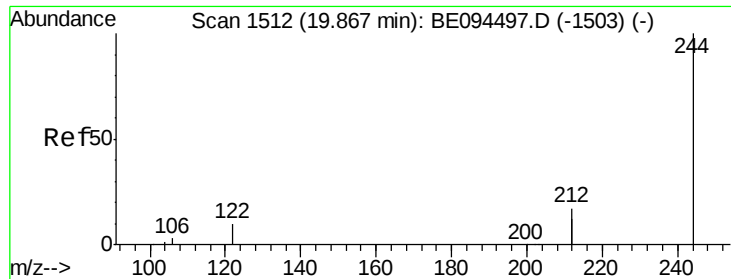
Tot Ion:202 Resp: 455
 Ion Ratio Lower Upper
 202 100
 101 38.9 9.8 14.8#
 203 45.1 13.7 20.5#



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE094791.D
 Acq: 8 Nov 2017 20:05

Tgt Ion:240 Resp: 10313
 Ion Ratio Lower Upper
 240 100
 120 13.2 5.5 8.3#
 236 27.9 20.7 31.1





#29

Terphenyl-d14

Concen: 0.47 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.02 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampleId :

MW-5

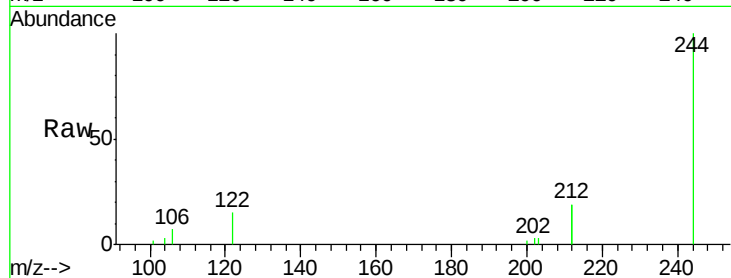
Tot Ion:244 Resp: 9087

Ion Ratio Lower Upper

244 100

212 38.4 25.4 38.0#

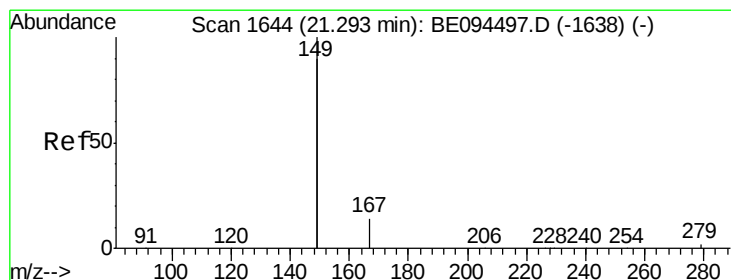
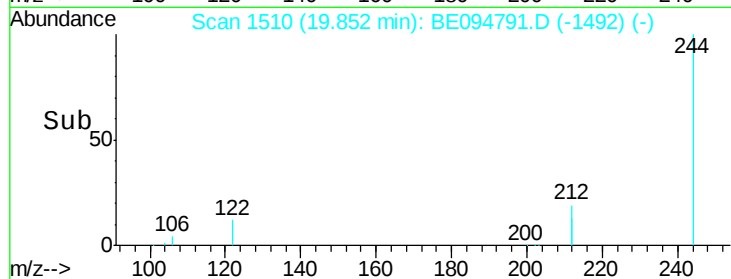
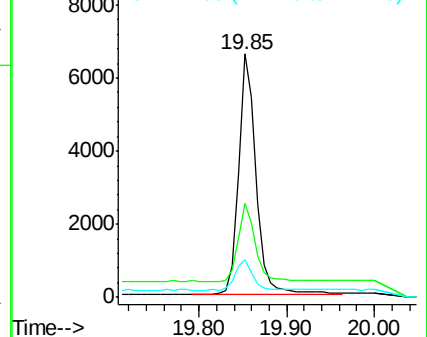
122 15.4 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

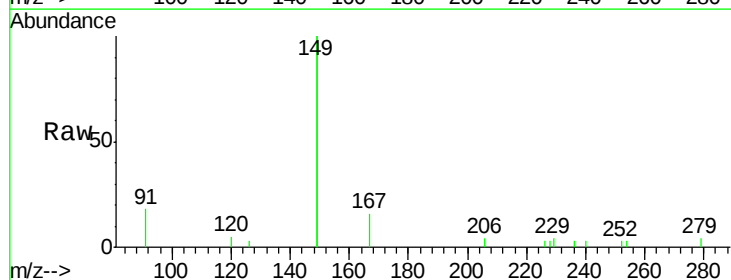
Tgt Ion:149 Resp: 11761

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

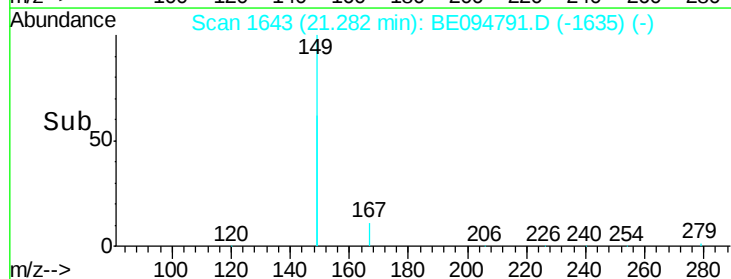
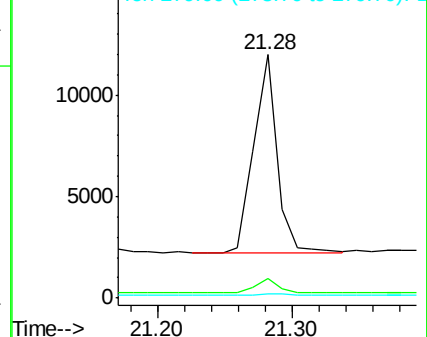
279 1.2 0.7 1.1#

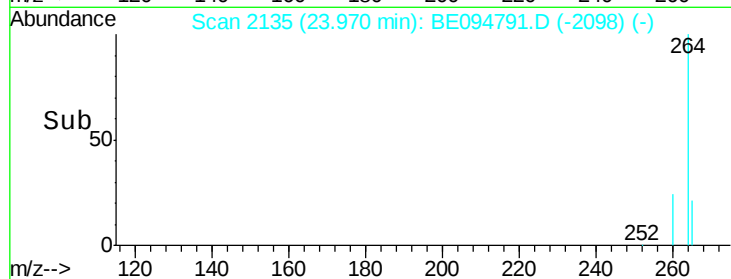
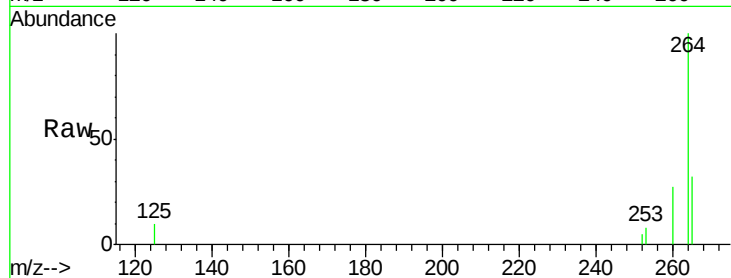
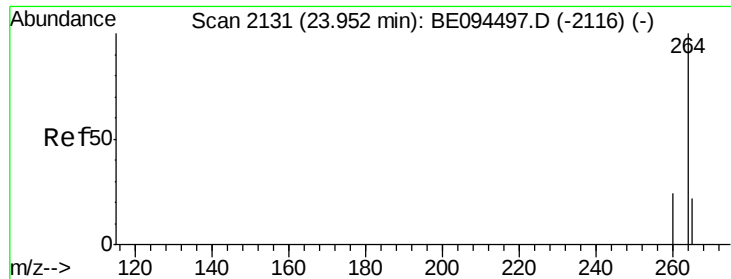


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.40 ng

RT: 23.97 min Scan# 2135

Delta R.T. 0.02 min

Lab File: BE094791.D

Acq: 8 Nov 2017 20:05

Instrument :

BNA_E

ClientSampleId :

MW-5

Tot Ion: 264 Resp: 9220

Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

265 31.5 22.8 34.2

