

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091417\
 Data File : BE094011.D
 Acq On : 14 Sep 2017 18:28
 Operator : SJ/JU
 Sample : I5189-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-01-090817

Quant Time: Sep 15 00:52:25 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2072	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	11133	0.40	ng	0.00
13) Acenaphthene-d10	14.55	164	27580	0.40	ng	0.03
19) Phenanthrene-d10	17.23	188	20672	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	14535	0.40	ng	-0.01
34) Perylene-d12	23.93	264	11201	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	1450	0.22	ng	-0.01
5) Phenol-d6	7.12	99	3604	0.36	ng	0.00
8) Nitrobenzene-d5	9.03	82	18178	1.93	ng	-0.05
11) 2-Methylnaphthalene-d10	12.28	152	6129	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	641	0.08	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9274	0.09	ng	-0.01
25) Fluoranthene-d10	19.28	212	63959	0.21	ng	0.00
29) Terphenyl-d14	19.86	244	13217	0.49	ng	-0.01

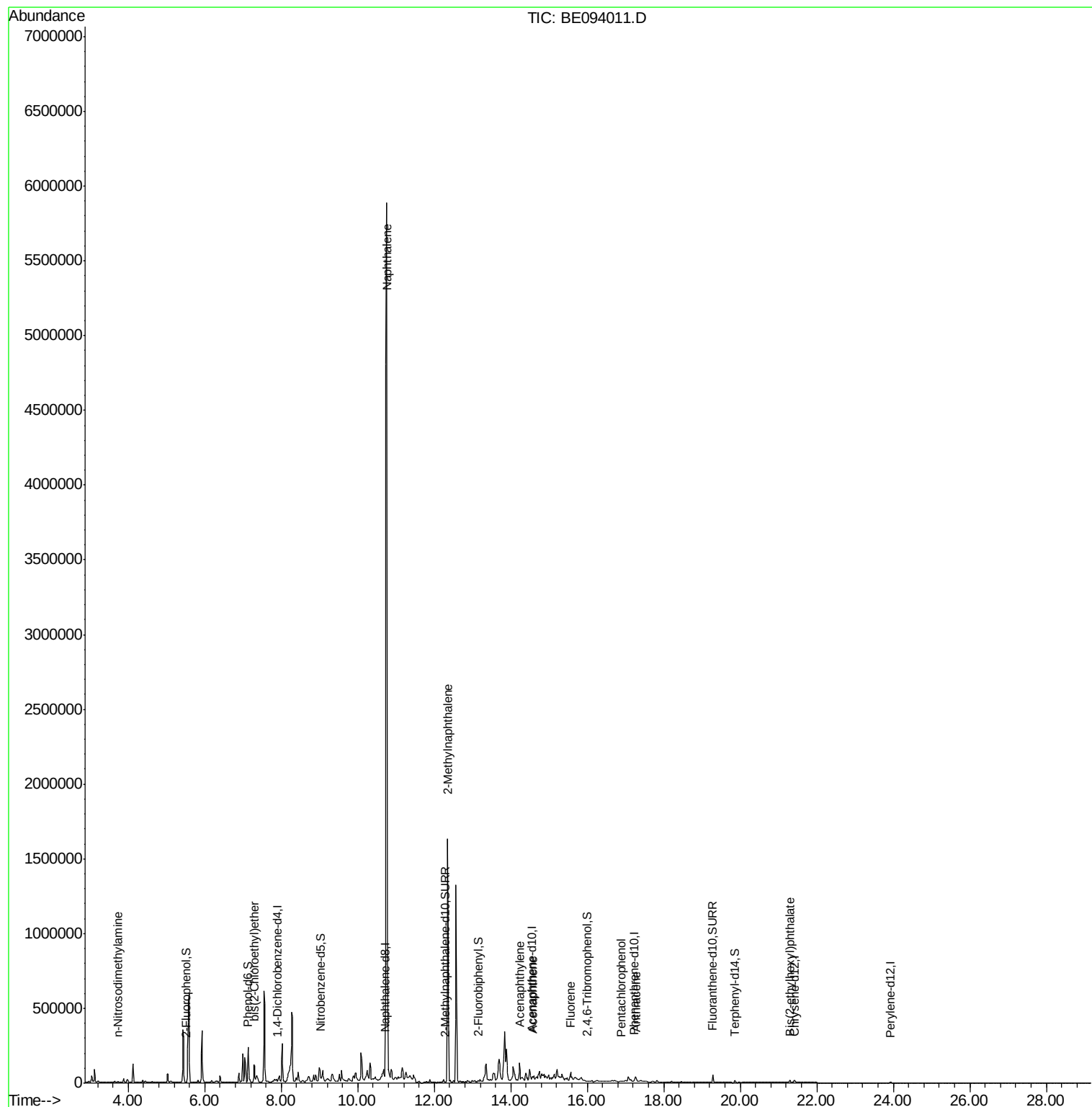
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.73	42	971	0.290	ng	# 1
6) bis(2-Chloroethyl)ether	7.30	93	4118	0.501	ng	# 1
9) Naphthalene	10.76	128	11248636	88.151	ng	100
12) 2-Methylnaphthalene	12.36	142	1177150	55.537	ng	99
16) Acenaphthylene	14.24	152	6043	0.044	ng	# 1
17) Acenaphthene	14.58	154	6270	0.067	ng	# 48
18) Fluorene	15.56	166	22209	0.185	ng	# 65
20) 4-Bromophenyl-phenylether	16.45	248	74	Below Cal		# 1
22) Pentachlorophenol	16.88	266	133	0.041	ng	# 89
23) Phenanthrene	17.27	178	8190	Below Cal		# 70
24) Anthracene	17.27	178	8190	0.130	ng	# 56
32) Bis(2-ethylhexyl)phthalate	21.29	149	13027	0.120	ng	100

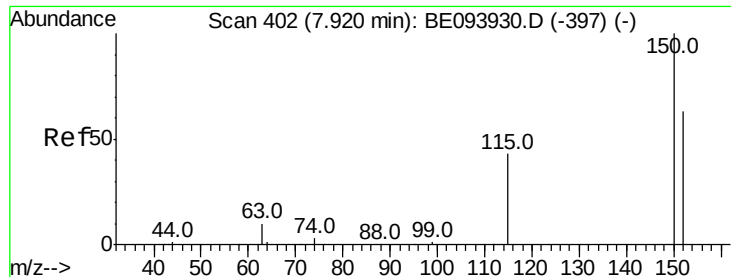
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

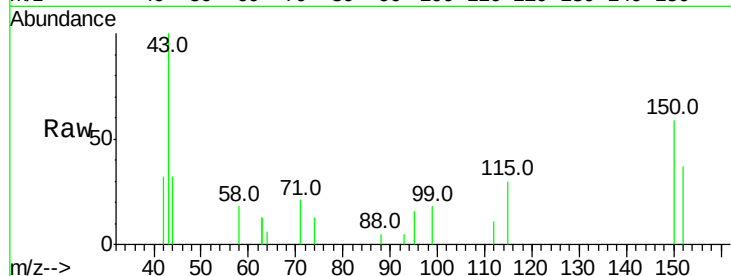
Tot Ion:152 Resp: 2072

Ion Ratio Lower Upper

152 100

150 162.6 121.8 182.6

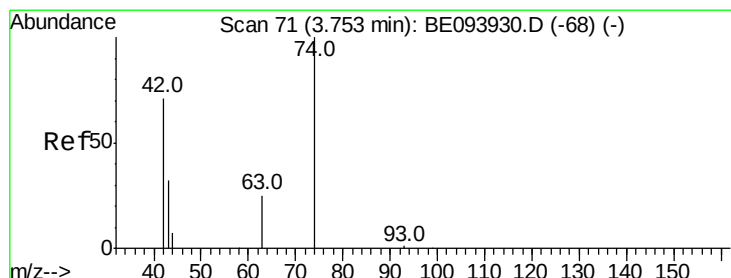
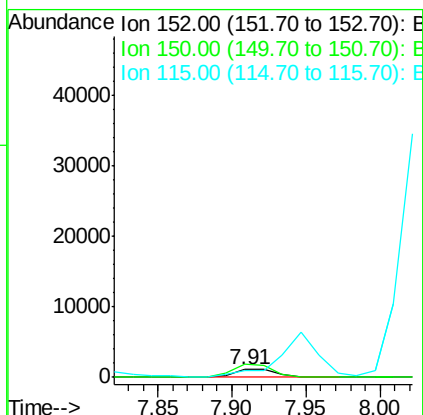
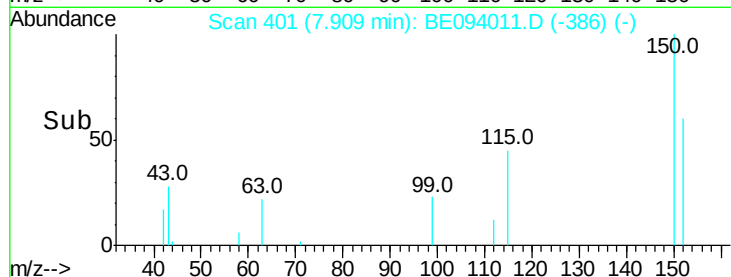
115 82.8 52.6 79.0#



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



#3

n-Nitrosodimethylamine

Concen: 0.290 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.02 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

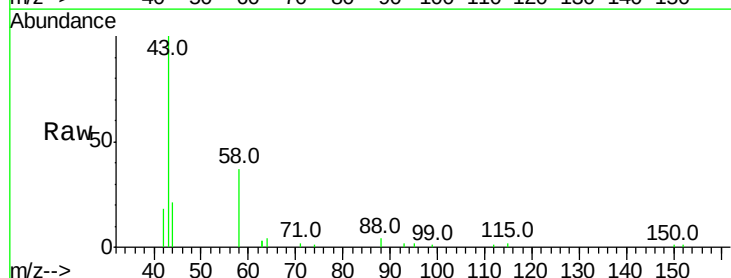
Tgt Ion: 42 Resp: 971

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

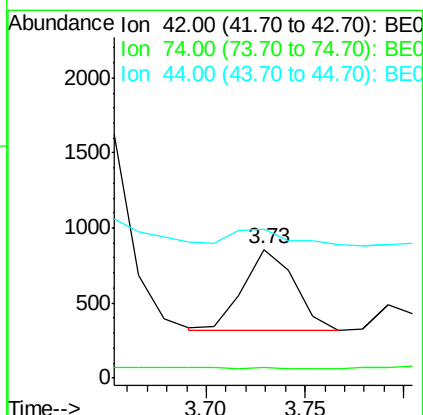
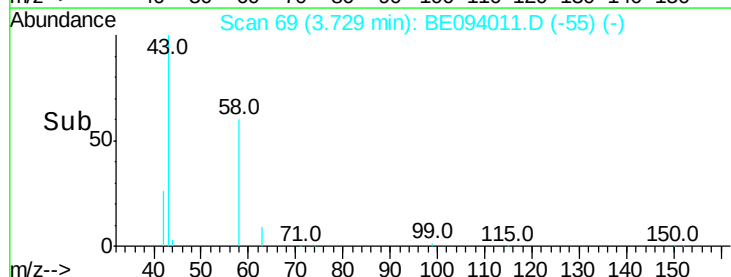
44 21.7 13.8 20.8#

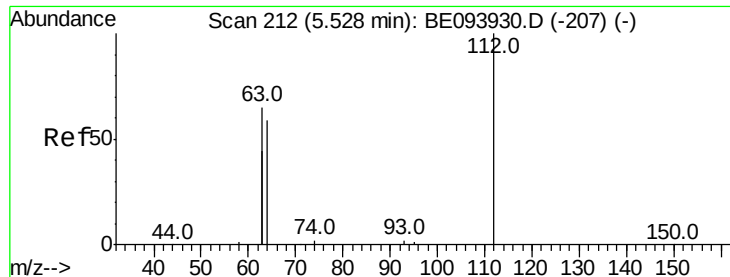


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.216 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

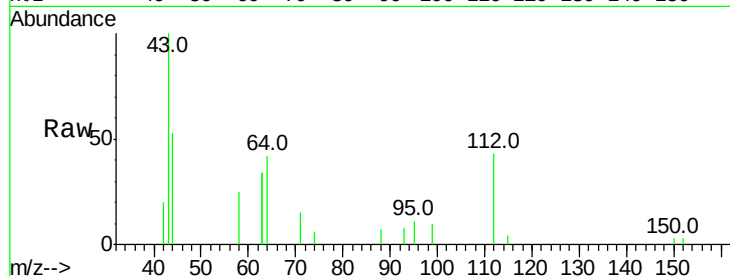
Tot Ion:112 Resp: 1450

Ion Ratio Lower Upper

112 100

64 0.0 57.7 86.5#

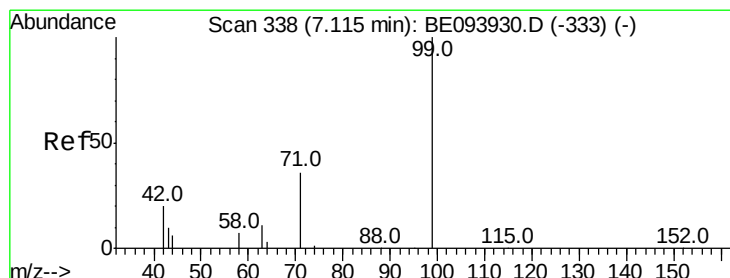
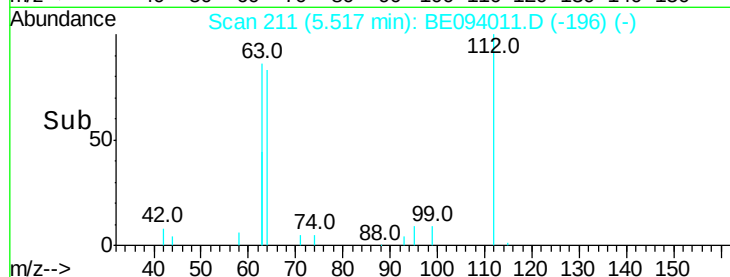
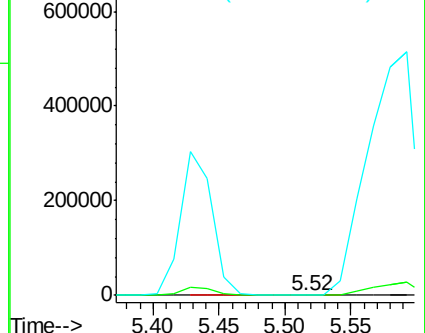
63 0.0 116.0 174.0#



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: 0.359 ng

RT: 7.12 min Scan# 338

Delta R.T. 0.00 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

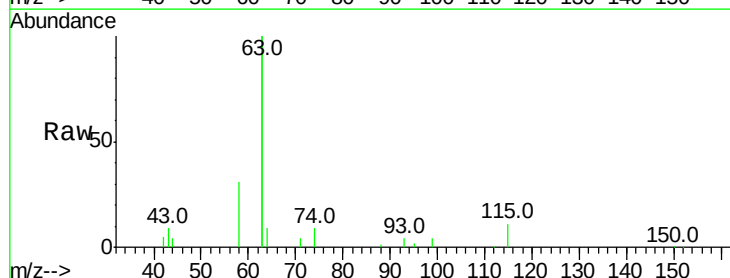
Tgt Ion: 99 Resp: 3604

Ion Ratio Lower Upper

99 100

42 72.4 17.1 25.7#

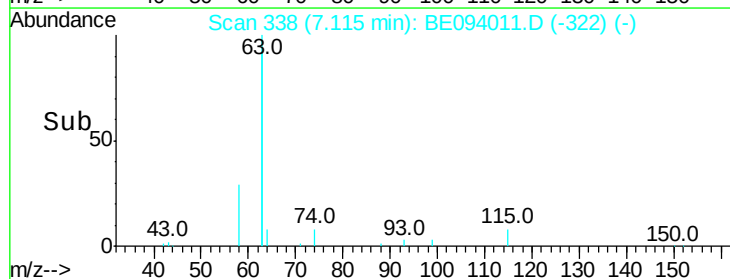
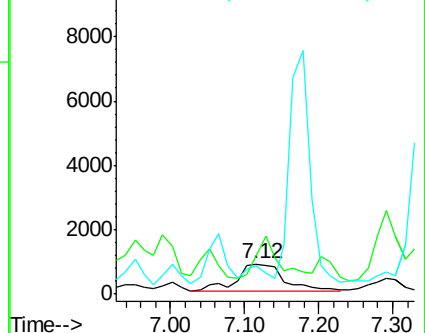
71 29.5 26.6 39.8

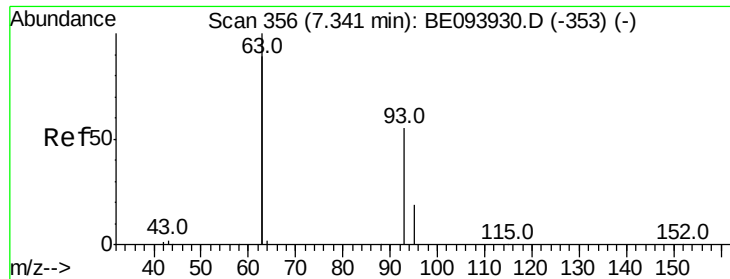


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.501 ng

RT: 7.30 min Scan# 353

Delta R.T. -0.04 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

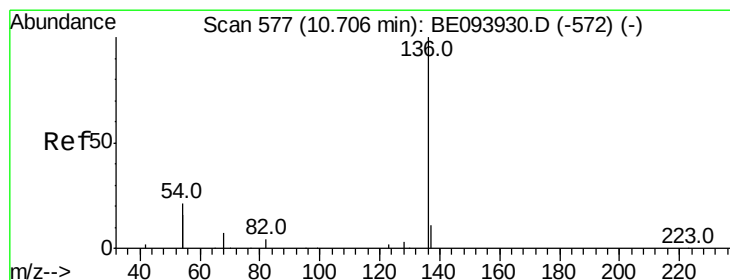
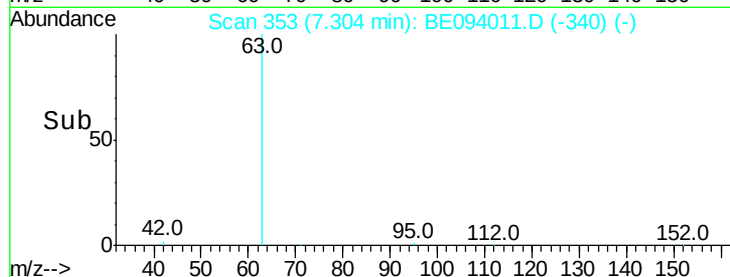
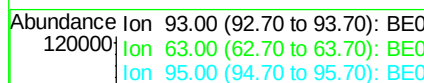
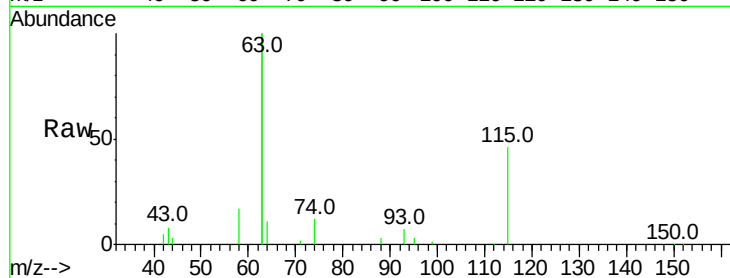
Tot Ion: 93 Resp: 4118

Ion Ratio Lower Upper

93 100

63 3660.6 283.4 425.2#

95 53.5 26.9 40.3#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Tgt Ion: 136 Resp: 11133

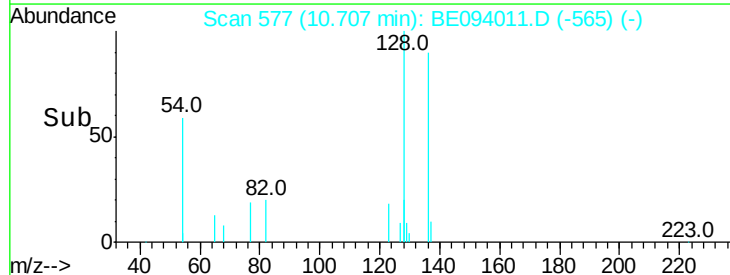
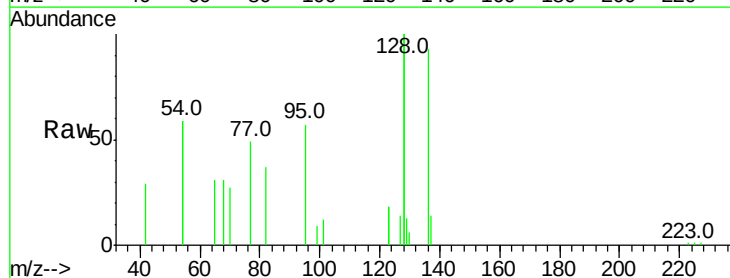
Ion Ratio Lower Upper

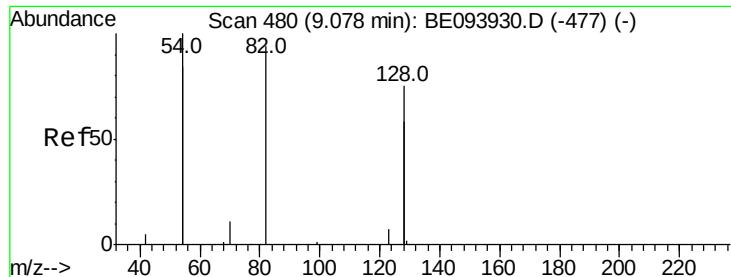
136 100

137 14.9 9.2 13.8#

54 126.0 21.9 32.9#

68 33.3 4.6 7.0#





#8

Nitrobenzene-d5

Concen: 1.930 ng

RT: 9.03 min Scan# 477

Delta R.T. -0.05 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

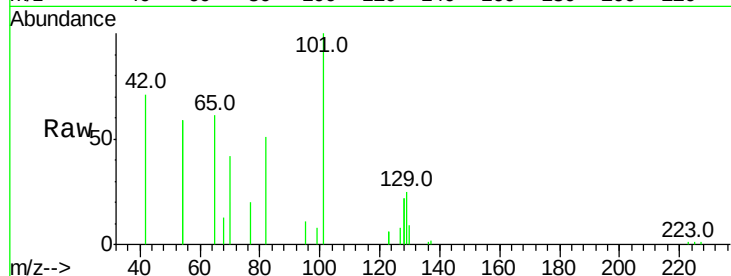
Tot Ion: 82 Resp: 18178

Ion Ratio Lower Upper

82 100

128 85.5 91.4 137.0#

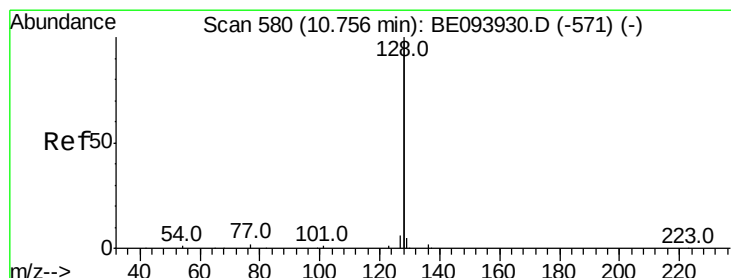
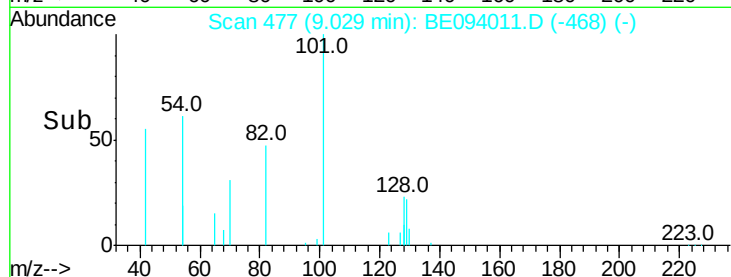
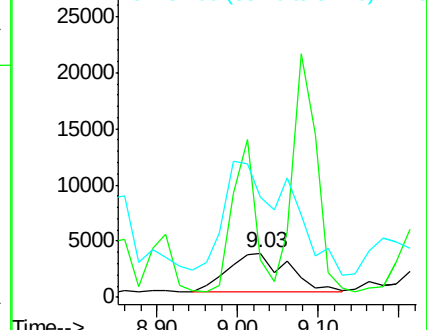
54 229.6 197.8 296.8



Abundance Ion 82.00 (81.70 to 82.70): BE093930.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093930.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093930.D (-477) (-)



#9

Naphthalene

Concen: 88.151 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

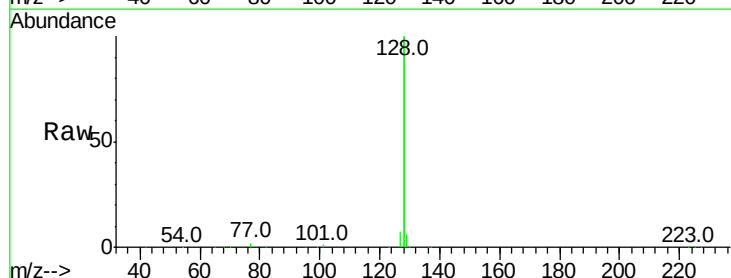
Tgt Ion:128 Resp:11248636

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

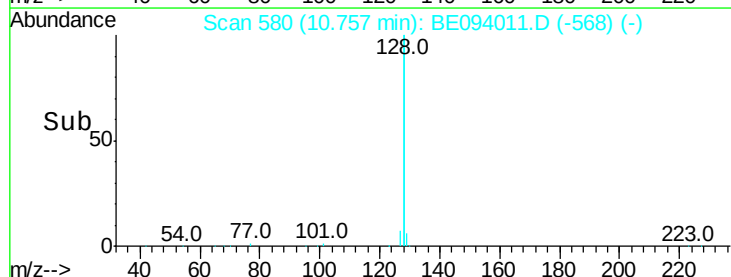
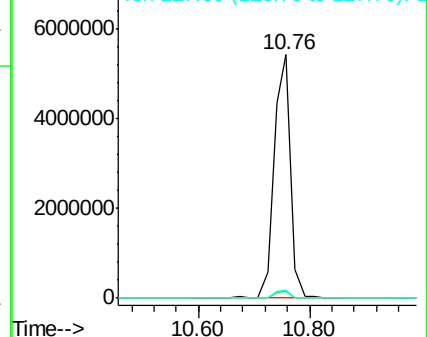
127 3.3 2.6 4.0

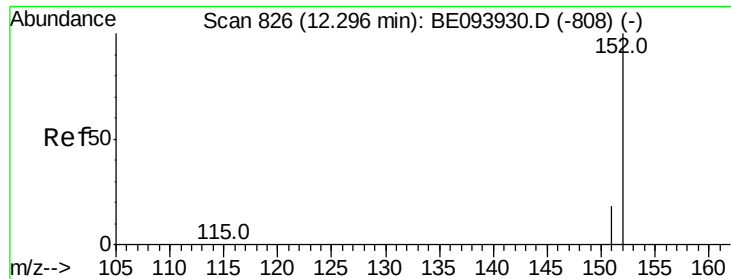


Abundance Ion 128.00 (127.70 to 128.70): BE093930.D (-571) (-)

Ion 129.00 (128.70 to 129.70): BE093930.D (-571) (-)

Ion 127.00 (126.70 to 127.70): BE093930.D (-571) (-)

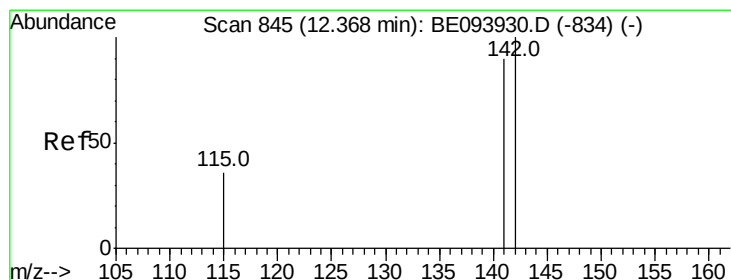
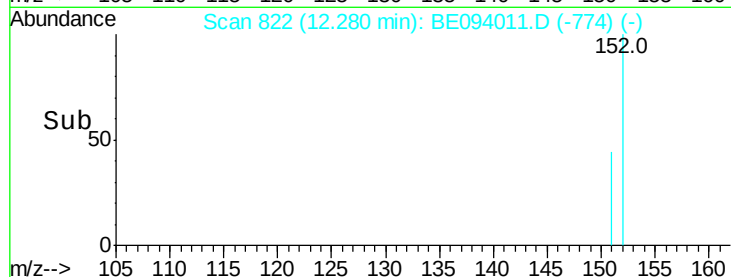
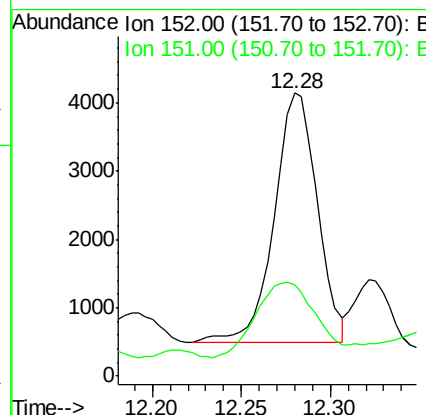
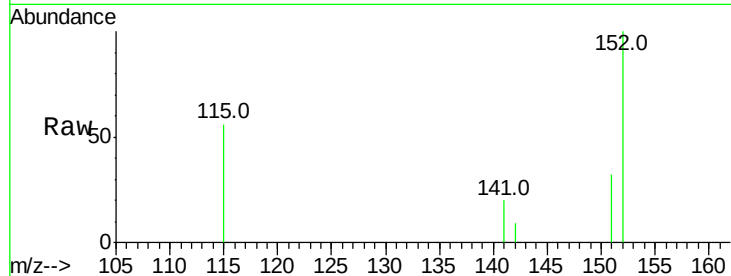




#11
 2-Methylnaphthalene-d10
 Concen: 0.344 ng
 RT: 12.28 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BE094011.D
 Acq: 14 Sep 2017 18:28

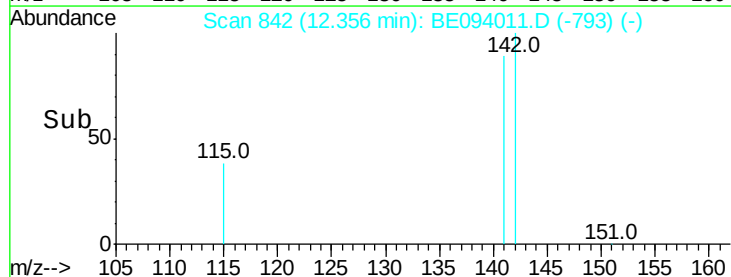
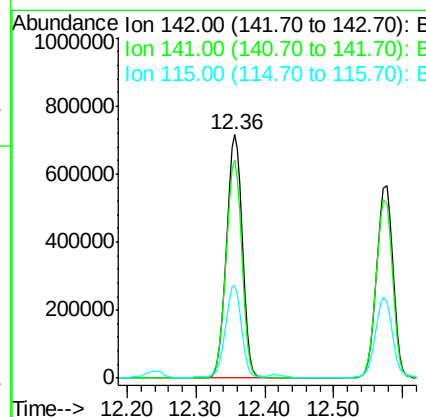
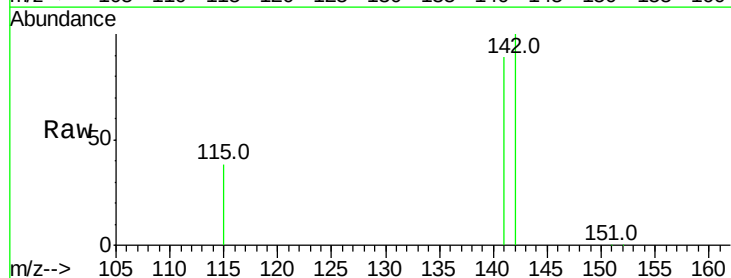
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-01-090817

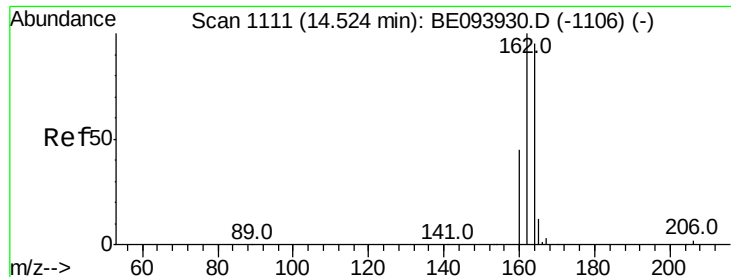
Tot Ion:152 Resp: 6129
 Ion Ratio Lower Upper
 152 100
 151 42.2 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 55.537 ng
 RT: 12.36 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BE094011.D
 Acq: 14 Sep 2017 18:28

Tgt Ion:142 Resp: 1177150
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.4 107.2
 115 38.2 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.55 min Scan# 1114

Delta R.T. 0.03 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

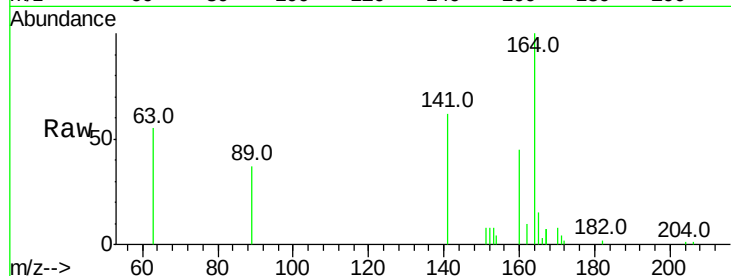
Tot Ion:164 Resp: 27580

Ion Ratio Lower Upper

164 100

162 9.6 80.8 121.2#

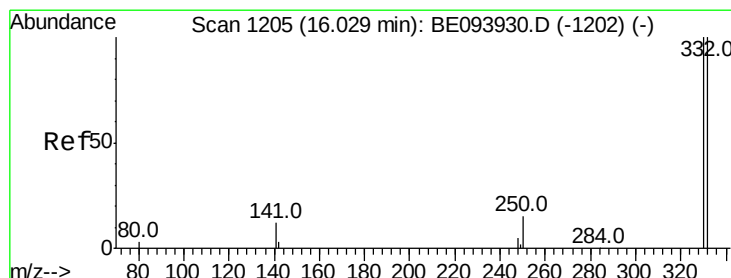
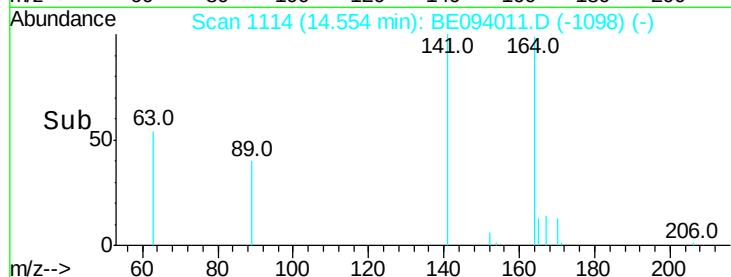
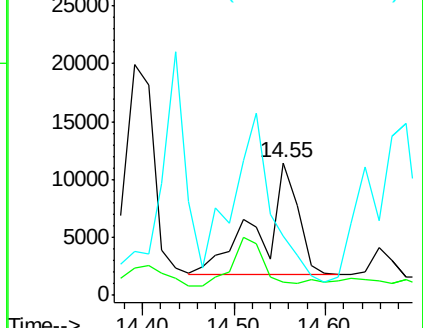
160 44.6 37.0 55.4



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: 0.075 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

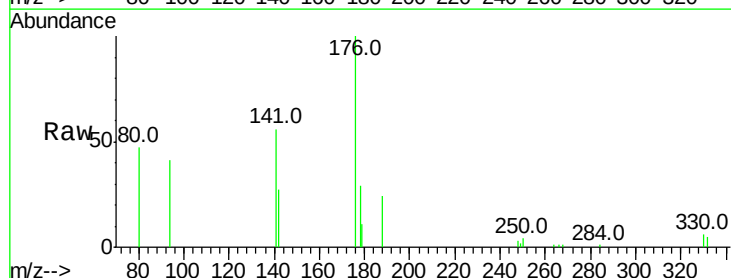
Tgt Ion:330 Resp: 641

Ion Ratio Lower Upper

330 100

332 93.3 76.9 115.3

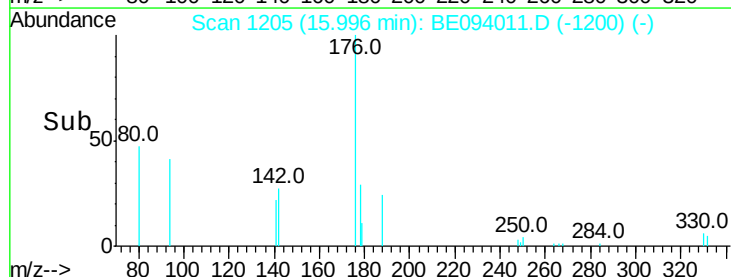
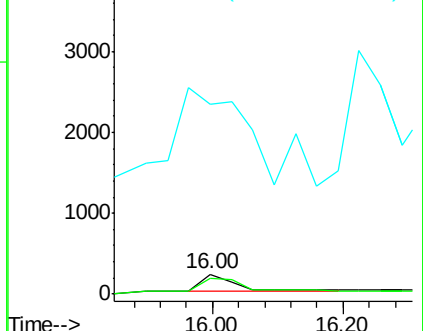
141 0.0 0.0 0.0

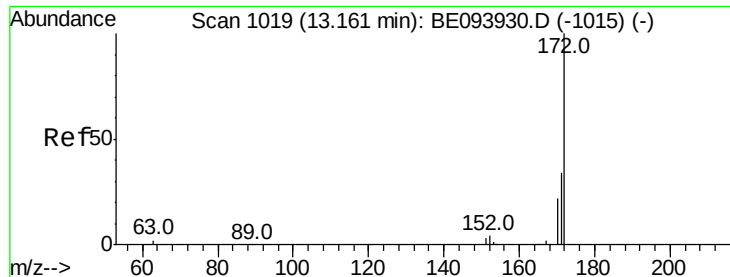


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

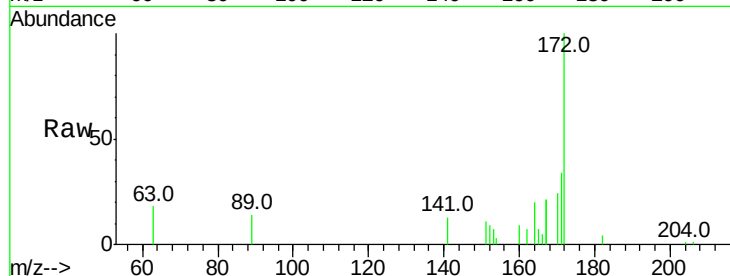




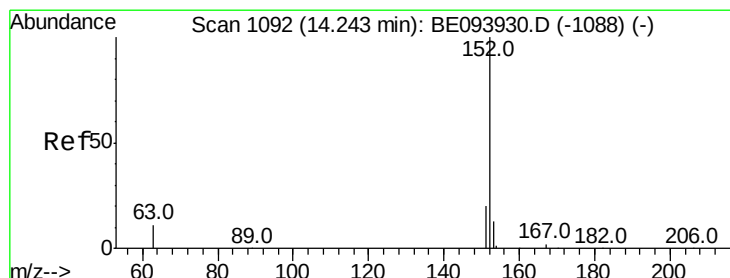
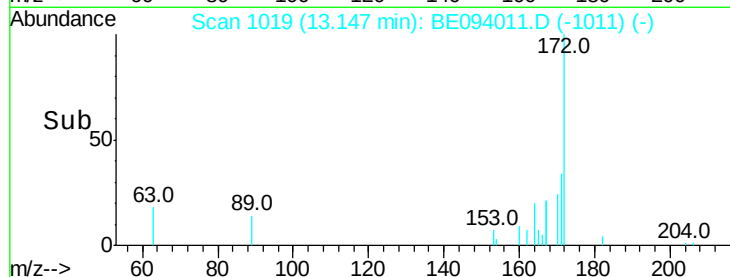
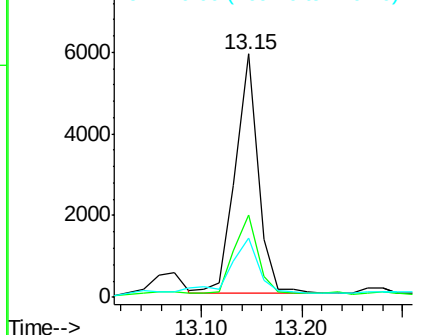
#15
2-Fluorobiphenyl
Concen: 0.085 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE094011.D
Acq: 14 Sep 2017 18:28

Instrument :
BNA_E
ClientSampleId :
PR-MW-01-090817

Tot Ion:172 Resp: 9274
Ion Ratio Lower Upper
172 100
171 33.9 26.9 40.3
170 24.2 17.3 25.9

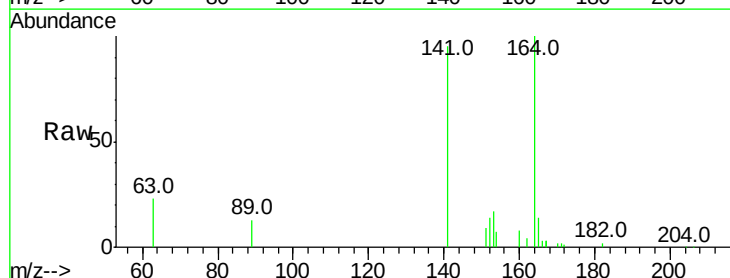


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

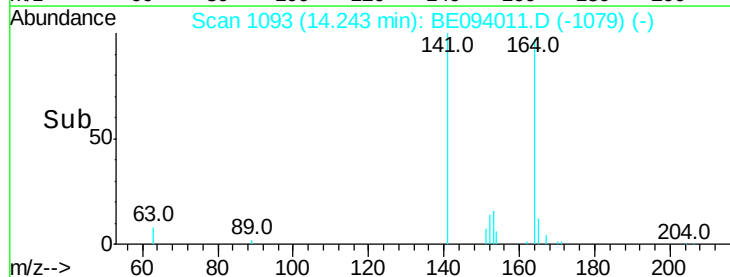
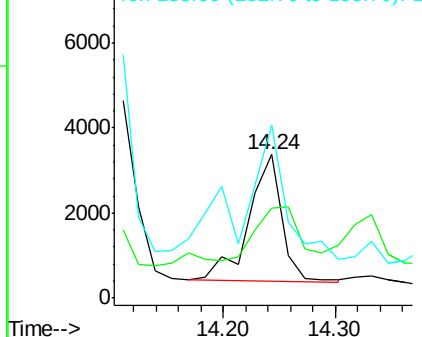


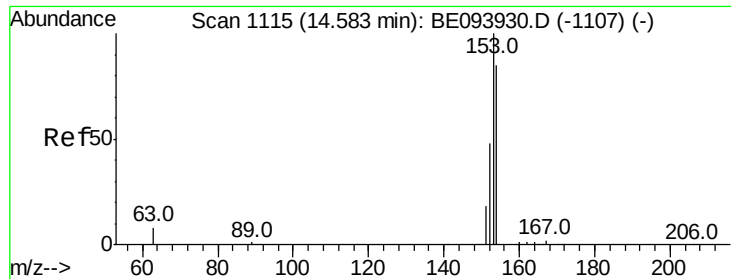
#16
Acenaphthylene
Concen: 0.044 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094011.D
Acq: 14 Sep 2017 18:28

Tgt Ion:152 Resp: 6043
Ion Ratio Lower Upper
152 100
151 74.1 15.7 23.5#
153 142.9 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

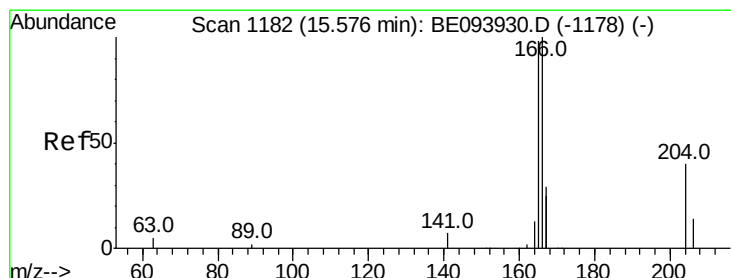
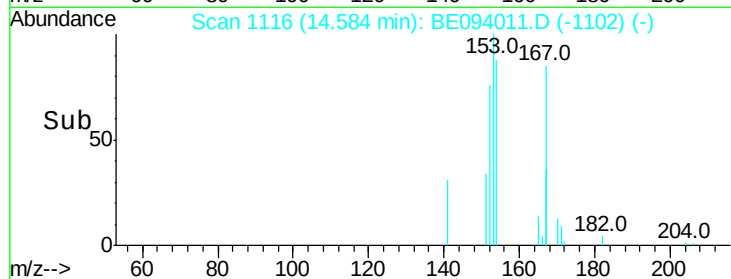
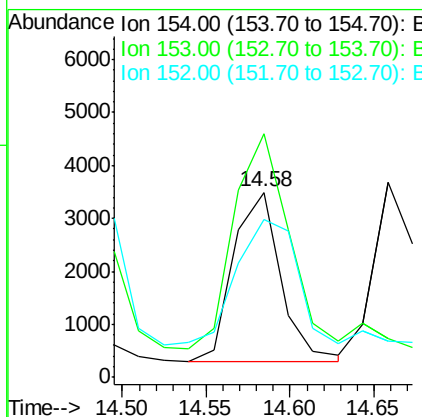
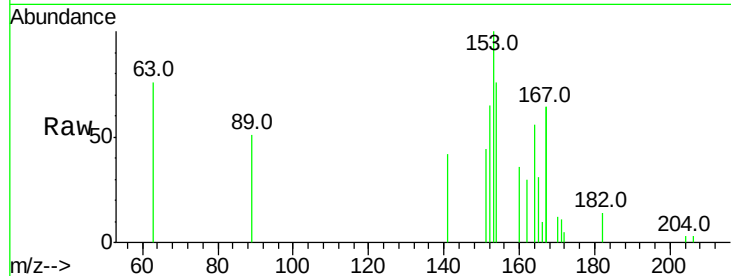




#17
Acenaphthene
Concen: 0.067 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094011.D
Acq: 14 Sep 2017 18:28

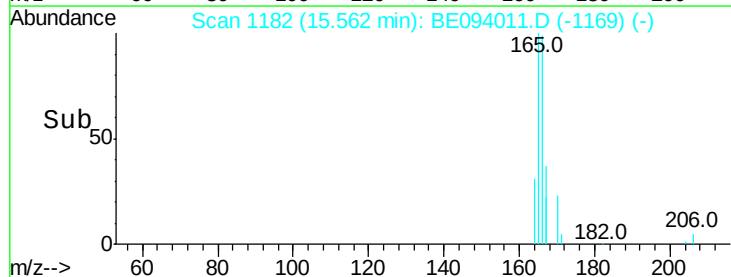
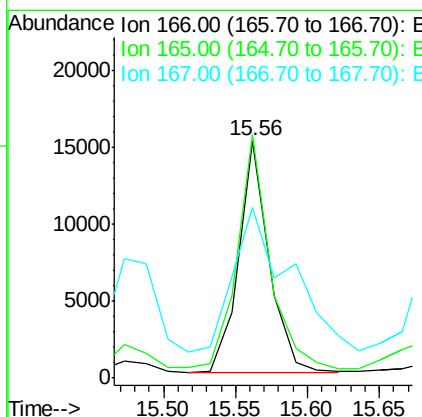
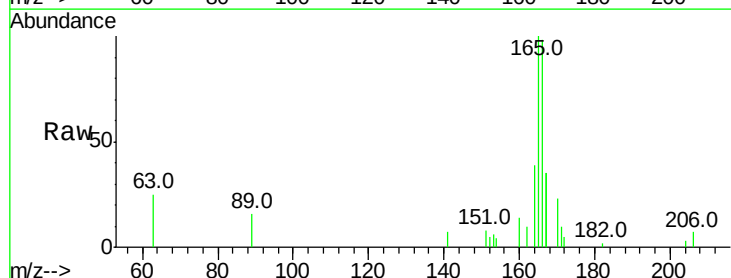
Instrument :
BNA_E
ClientSampleId :
PR-MW-01-090817

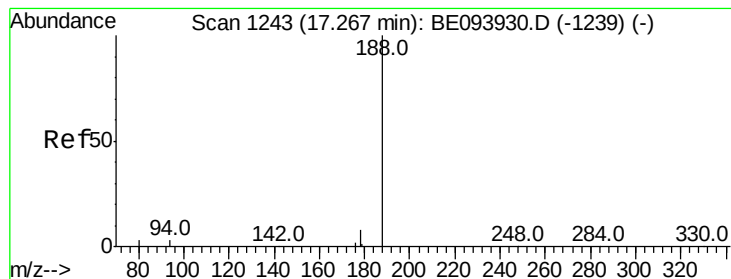
Tot Ion:154 Resp: 6270
Ion Ratio Lower Upper
154 100
153 159.1 91.8 137.6#
152 110.7 44.9 67.3#



#18
Fluorene
Concen: 0.185 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094011.D
Acq: 14 Sep 2017 18:28

Tgt Ion:166 Resp: 22209
Ion Ratio Lower Upper
166 100
165 106.4 79.4 119.0
167 116.6 43.5 65.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

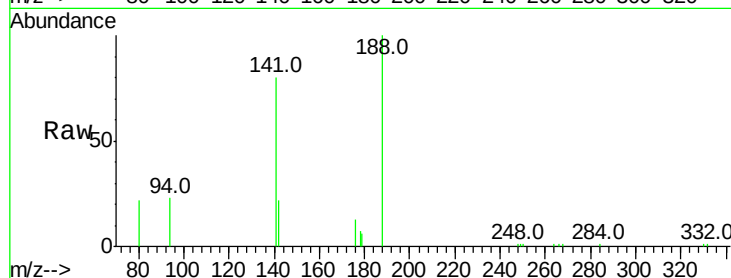
Tot Ion:188 Resp: 20672

Ion Ratio Lower Upper

188 100

94 22.9 16.1 24.1

80 21.5 18.2 27.2



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

12000

10000

8000

6000

4000

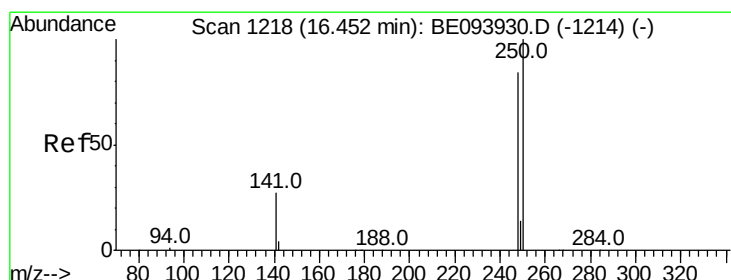
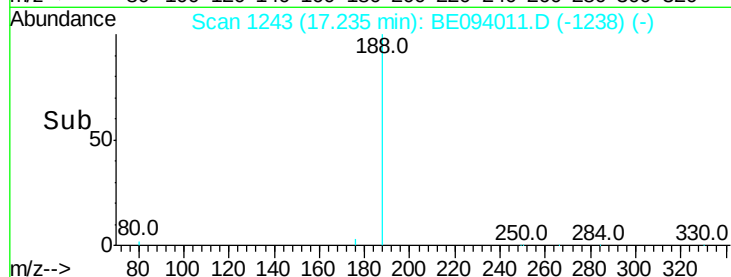
2000

0

17.23

17.40

Time-->



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

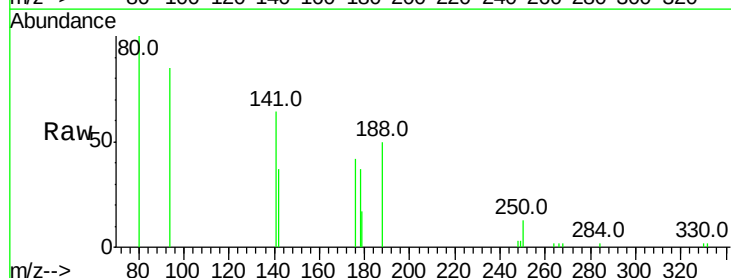
Tgt Ion:248 Resp: 74

Ion Ratio Lower Upper

248 100

250 403.6 111.8 167.8#

141 1970.2 27.1 40.7#



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

3000

2000

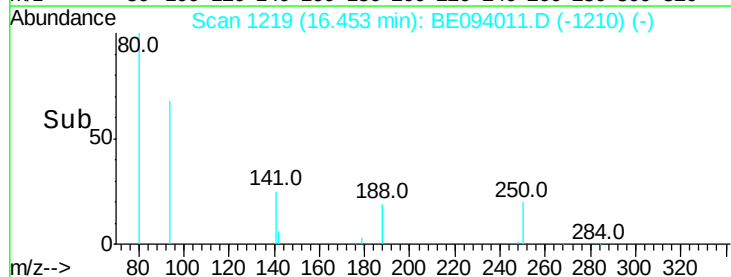
1000

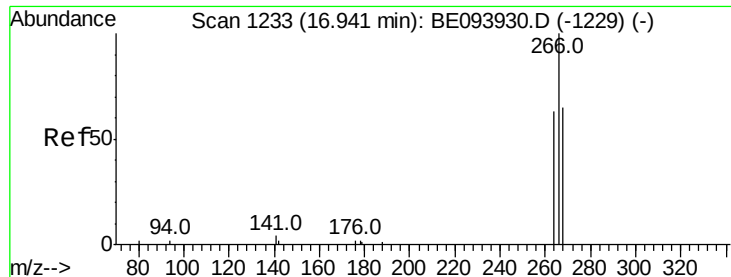
0

16.45

16.50

Time-->





#22

Pentachlorophenol

Concen: 0.041 ng

RT: 16.88 min Scan# 1232

Delta R.T. -0.06 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

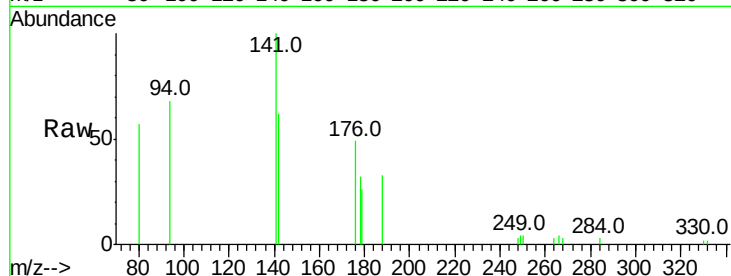
Tot Ion:266 Resp: 133

Ion Ratio Lower Upper

266 100

264 78.3 53.5 80.3

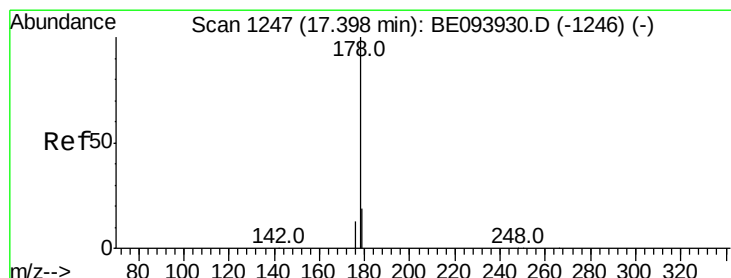
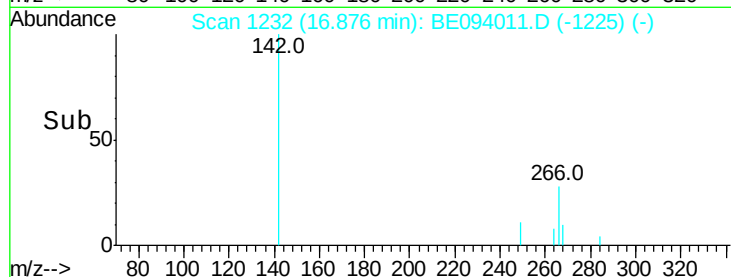
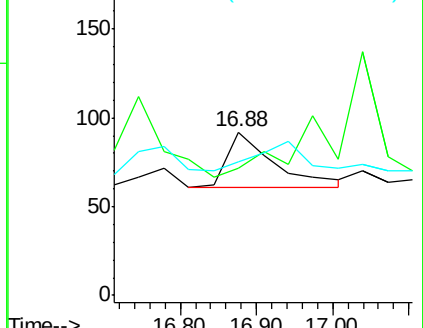
268 81.5 60.0 90.0



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



#24

Anthracene

Concen: 0.130 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.13 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

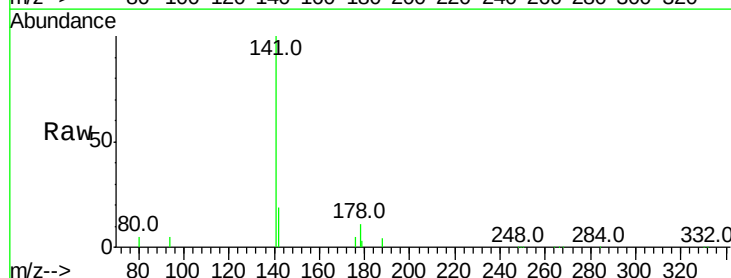
Tgt Ion:178 Resp: 8190

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

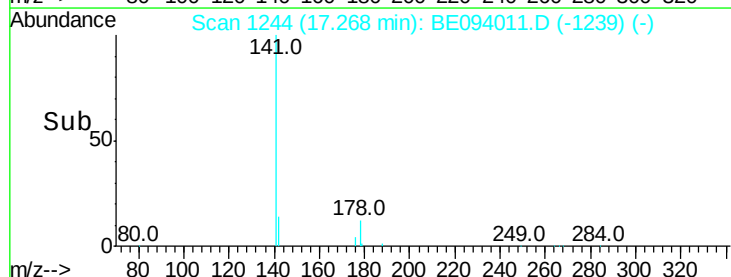
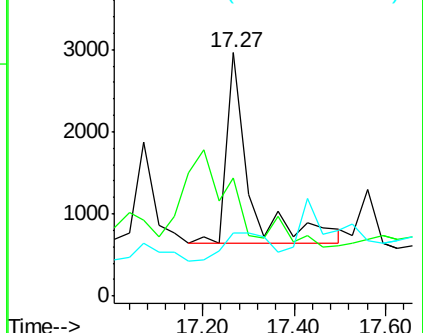
179 28.5 0.0 0.0#

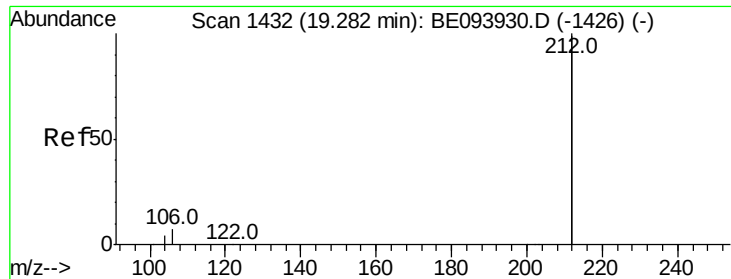


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.208 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

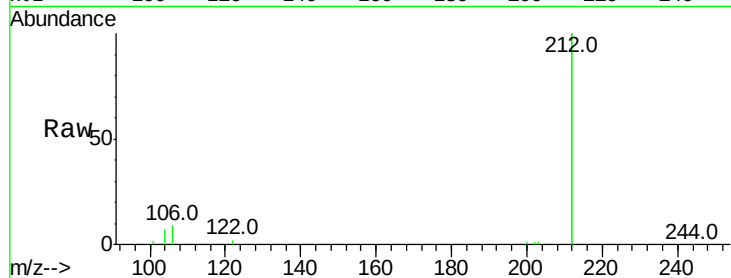
Tot Ion:212 Resp: 63959

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

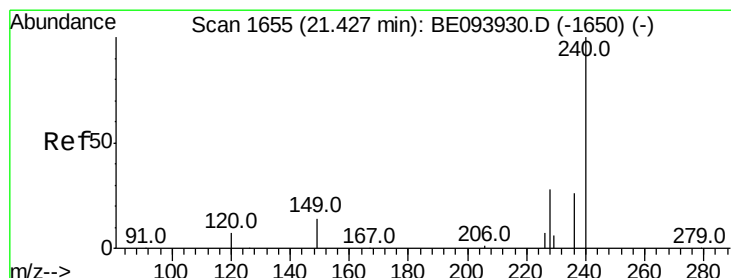
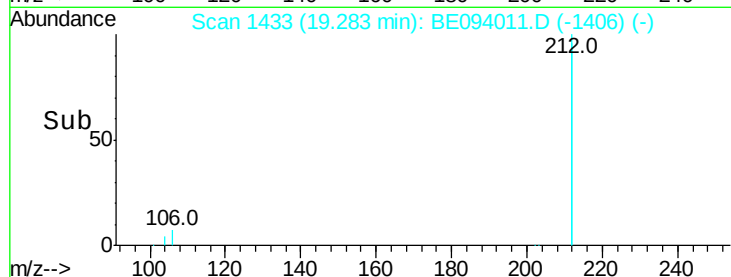
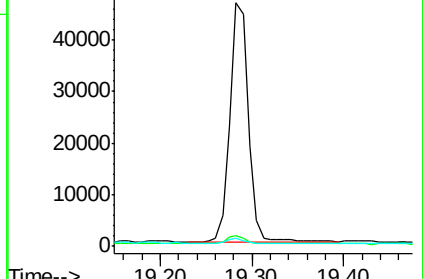
104 2.2 1.6 2.4



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: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

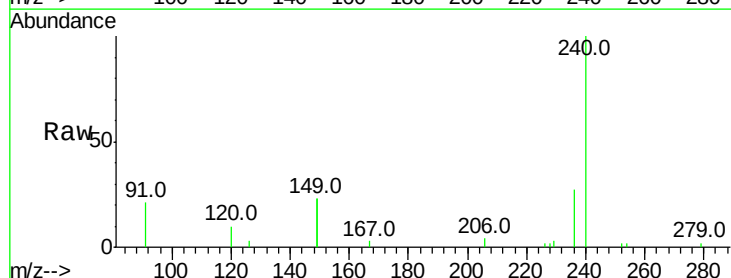
Tgt Ion:240 Resp: 14535

Ion Ratio Lower Upper

240 100

120 10.0 8.7 13.1

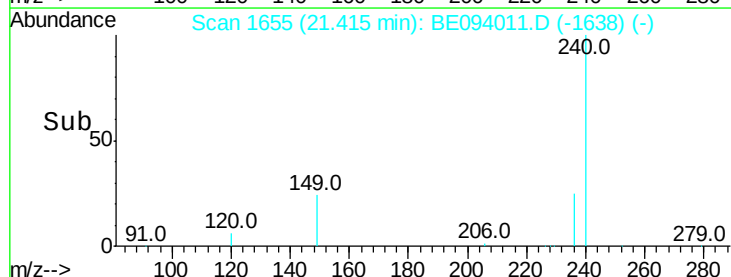
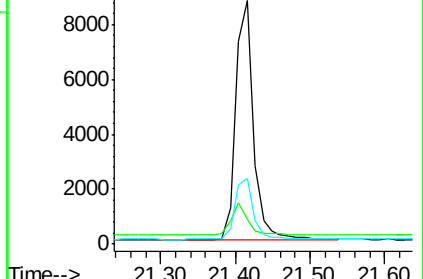
236 26.9 21.3 31.9

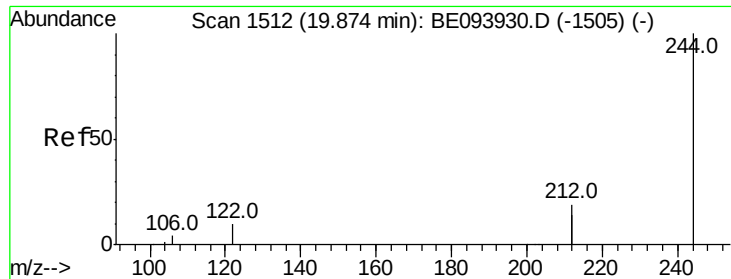


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.494 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

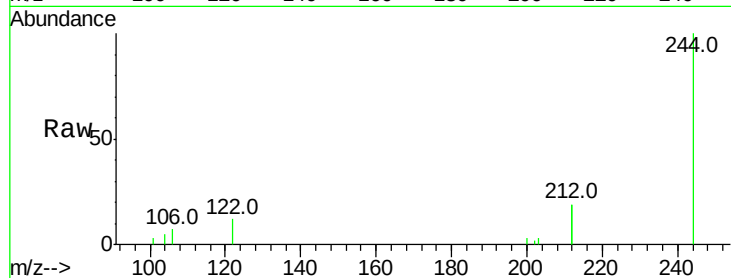
Tot Ion:244 Resp: 13217

Ion Ratio Lower Upper

244 100

212 38.9 28.3 42.5

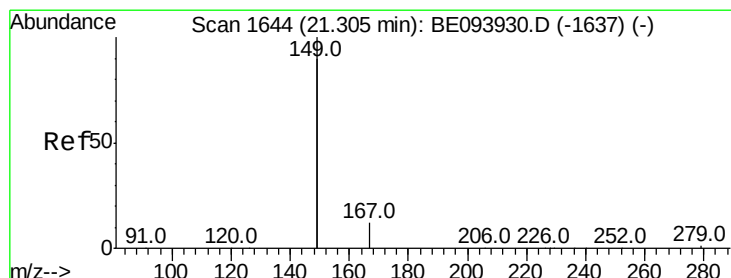
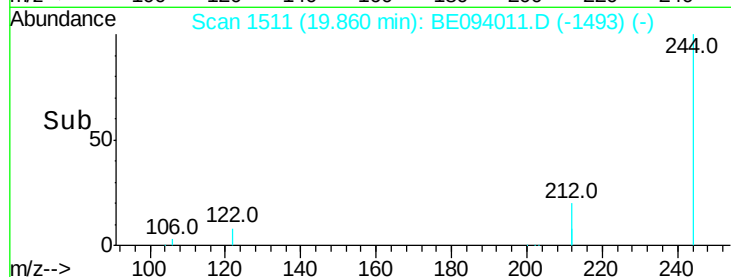
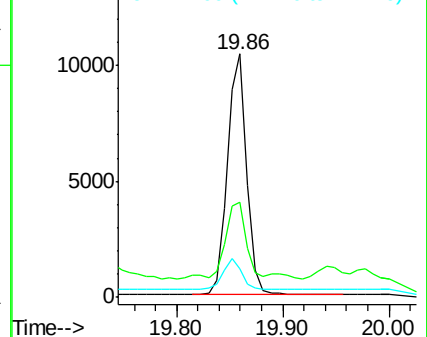
122 11.7 9.4 14.0



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: 0.120 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

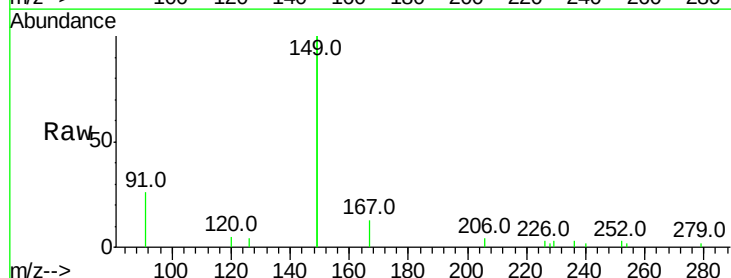
Tgt Ion:149 Resp: 13027

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

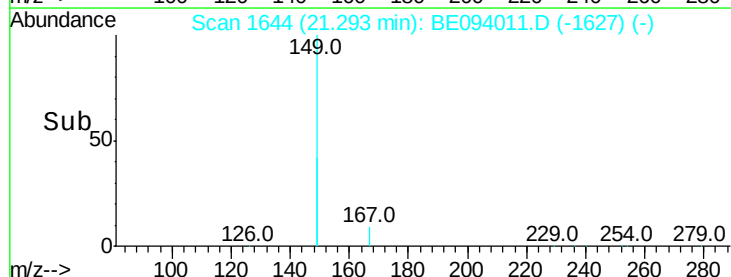
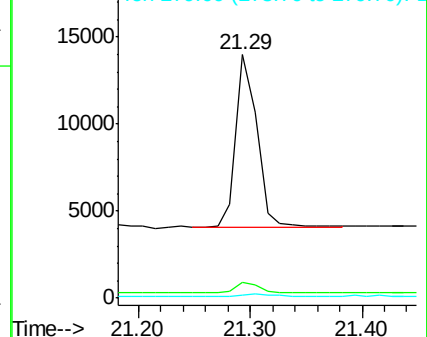
279 1.0 0.7 1.1

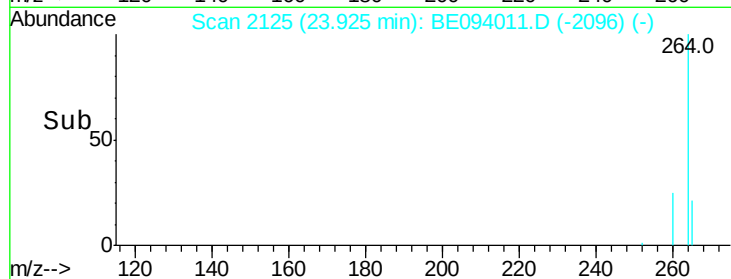
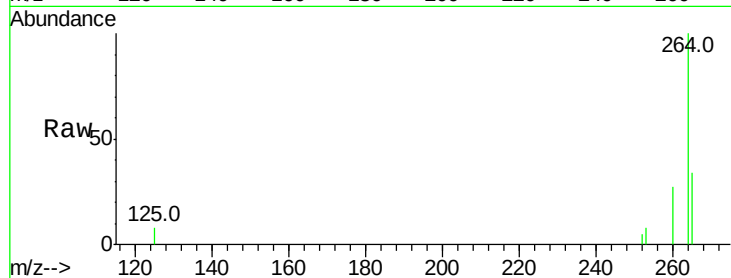
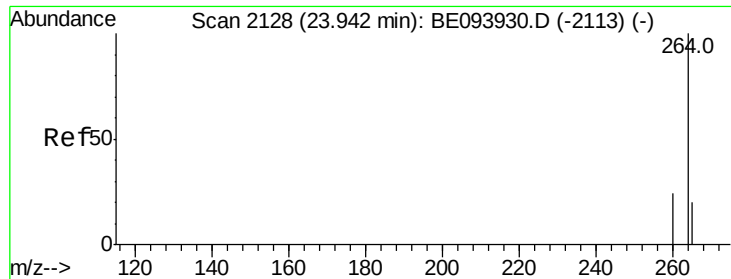


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BE094011.D

Acq: 14 Sep 2017 18:28

Instrument :

BNA_E

ClientSampleId :

PR-MW-01-090817

Tot Ion:264 Resp: 11201

Ion Ratio Lower Upper

264 100

260 26.7 20.0 30.0

265 34.5 24.0 36.0

