

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091417\
 Data File : BE094002.D
 Acq On : 14 Sep 2017 12:54
 Operator : SJ/JU
 Sample : I5189-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-05-090717

Quant Time: Sep 15 00:50:16 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	7.92	152	2150	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10782	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	6693	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	14290	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	13631	0.40	ng	0.00
34) Perylene-d12	23.94	264	10394	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	1203	0.17	ng	-0.01
5) Phenol-d6	7.11	99	1060	0.10	ng	0.00
8) Nitrobenzene-d5	9.06	82	3636	0.40	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	6008	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	1578	0.76	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8989	0.34	ng	-0.01
25) Fluoranthene-d10	19.28	212	59468	0.28	ng	0.00
29) Terphenyl-d14	19.87	244	13026	0.52	ng	0.00

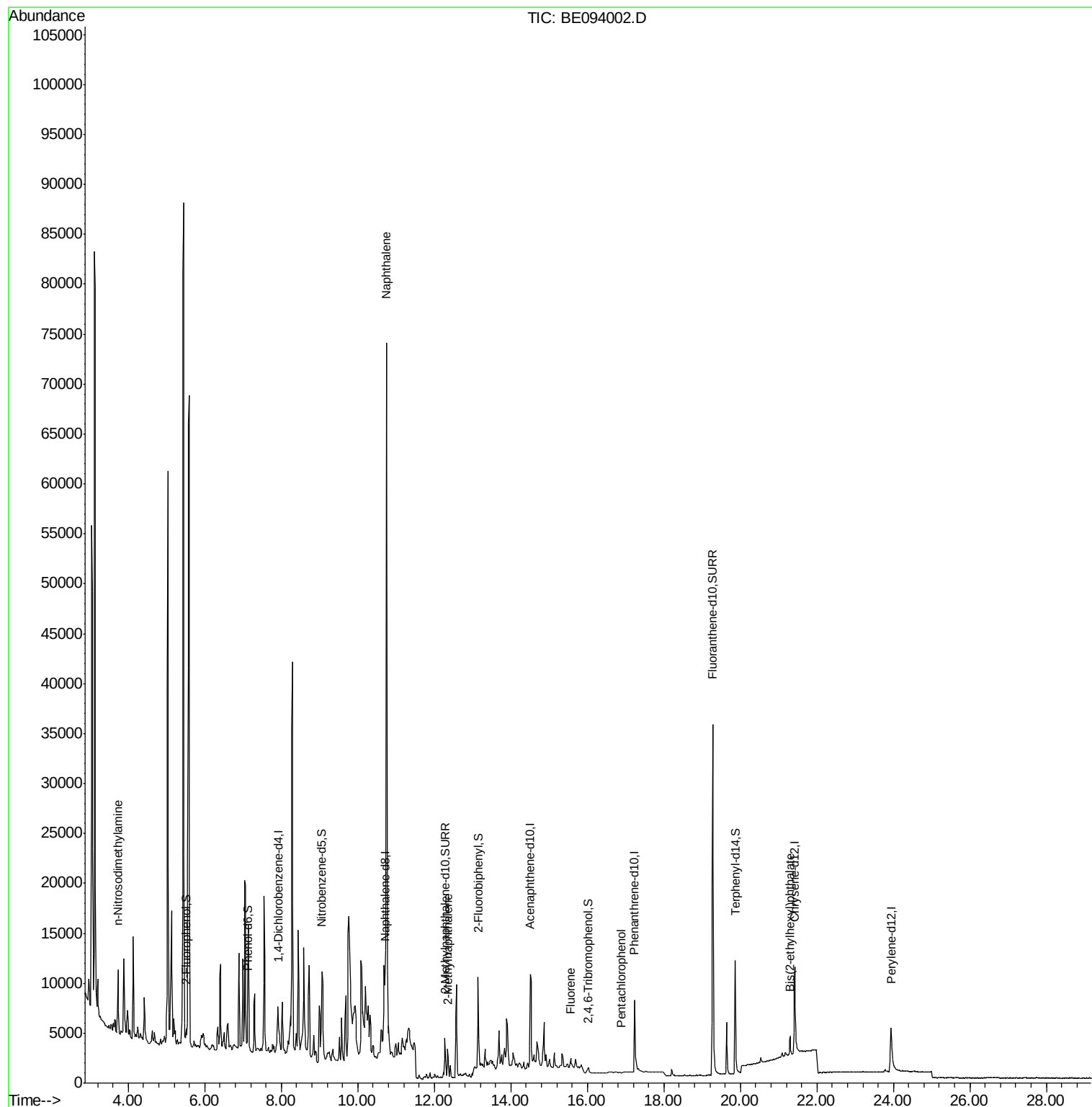
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.73	42	553	0.159	ng	# 1
9) Naphthalene	10.74	128	149342	1.208	ng	# 99
12) 2-Methylnaphthalene	12.36	142	2163	0.105	ng	# 94
18) Fluorene	15.56	166	594	0.020	ng	# 61
20) 4-Bromophenyl-phenylether	16.49	248	2	Below Cal		# 19
22) Pentachlorophenol	16.88	266	129	0.057	ng	# 83
23) Phenanthrene	17.30	178	370	Below Cal		# 63
32) Bis(2-ethylhexyl)phthalate	21.30	149	2962	0.029	ng	# 95

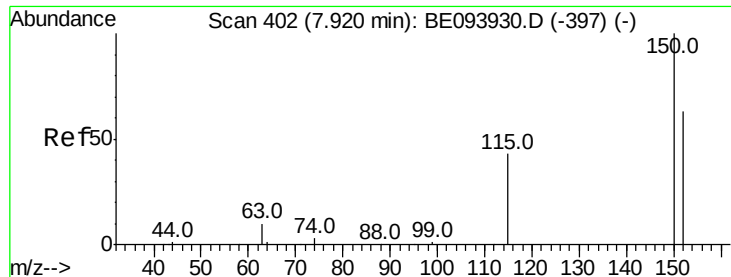
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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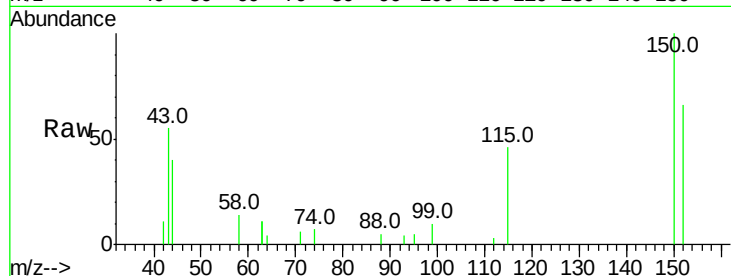


#1

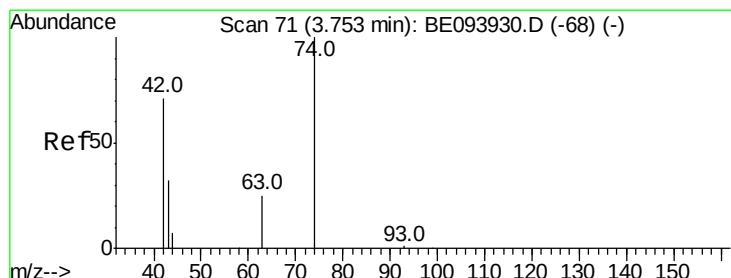
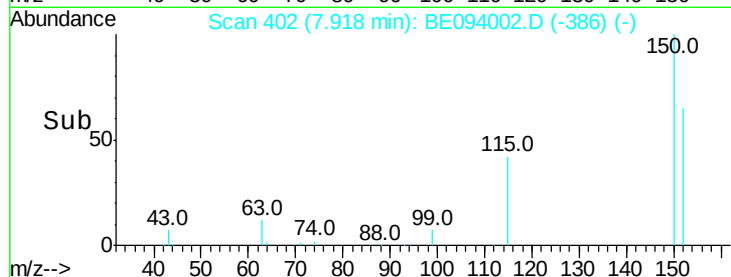
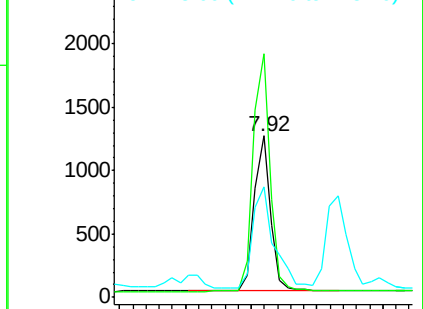
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094002.D
Acq: 14 Sep 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PR-MW-05-090717

Tot Ion:152 Resp: 2150
Ion Ratio Lower Upper
152 100
150 150.9 121.8 182.6
115 68.7 52.6 79.0



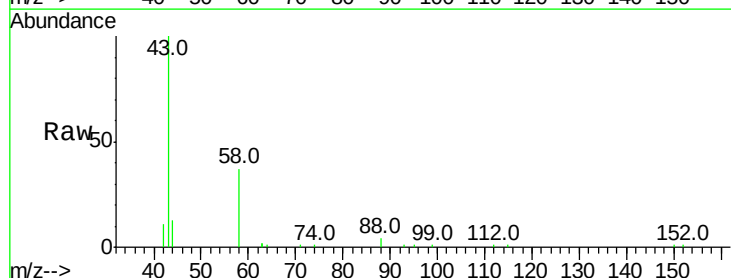
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



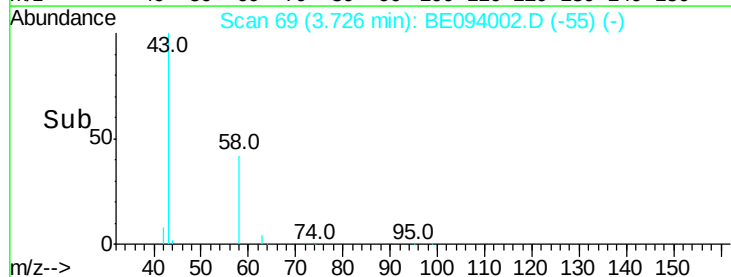
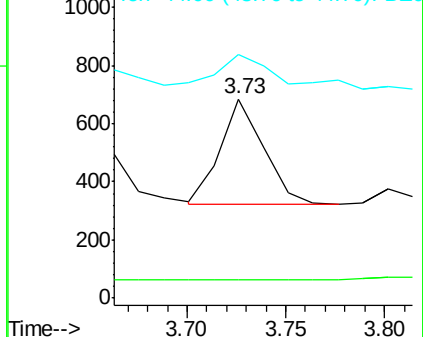
#3

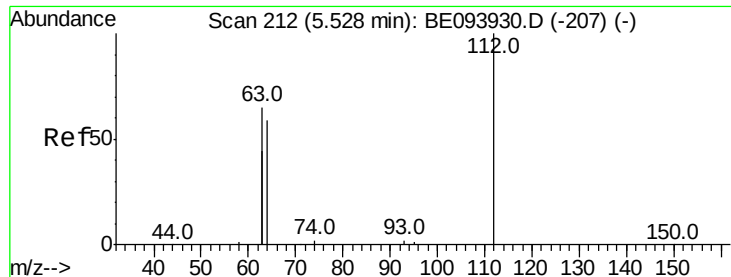
n-Nitrosodimethylamine
Concen: 0.159 ng
RT: 3.73 min Scan# 69
Delta R.T. -0.03 min
Lab File: BE094002.D
Acq: 14 Sep 2017 12:54

Tgt Ion: 42 Resp: 553
Ion Ratio Lower Upper
42 100
74 2.0 104.0 156.0#
44 44.5 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: 0.173 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

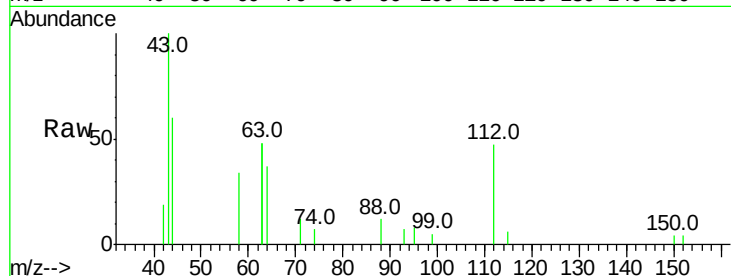
Tot Ion: 112 Resp: 1203

Ion Ratio Lower Upper

112 100

64 0.0 57.7 86.5#

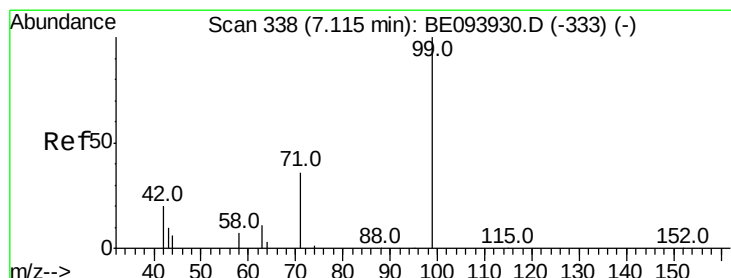
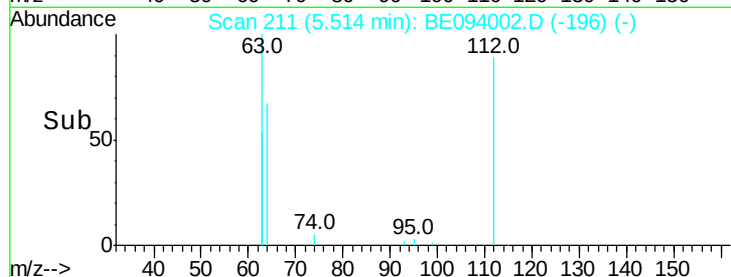
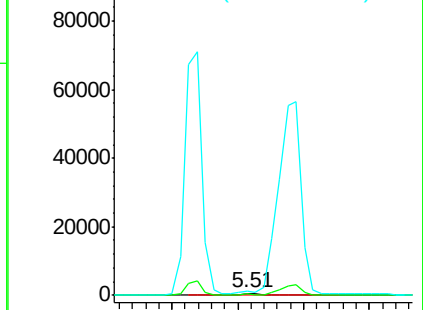
63 0.0 116.0 174.0#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.102 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

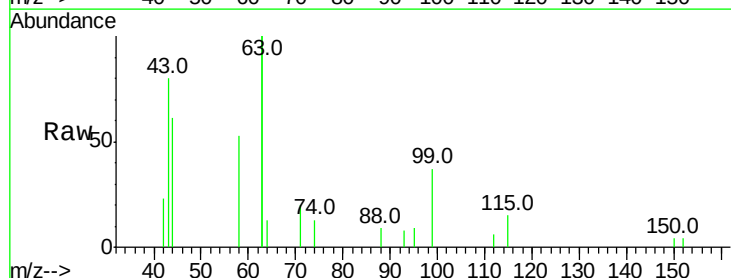
Tgt Ion: 99 Resp: 1060

Ion Ratio Lower Upper

99 100

42 43.5 17.1 25.7#

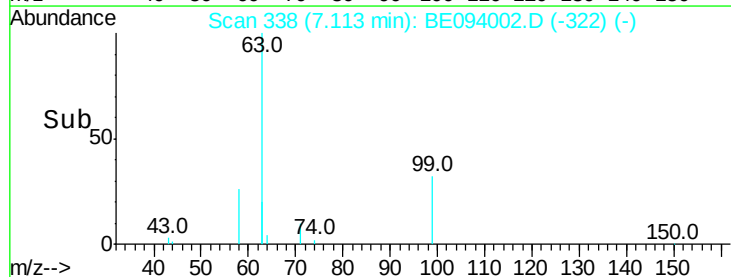
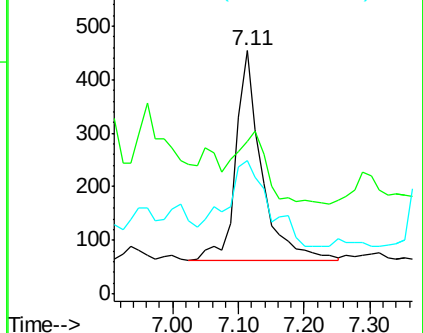
71 70.7 26.6 39.8#

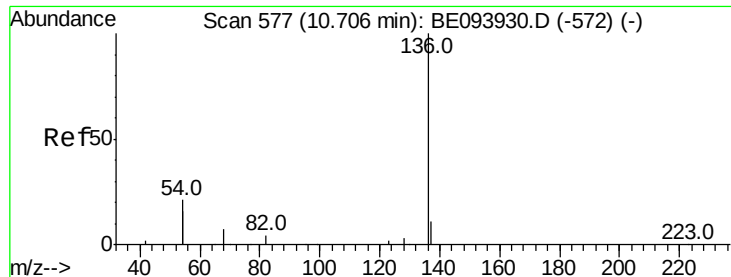


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

Tot Ion:136 Resp: 10782

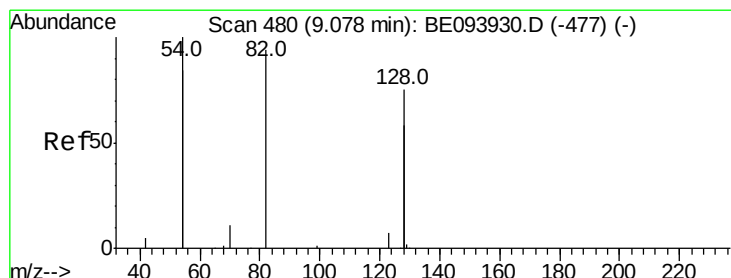
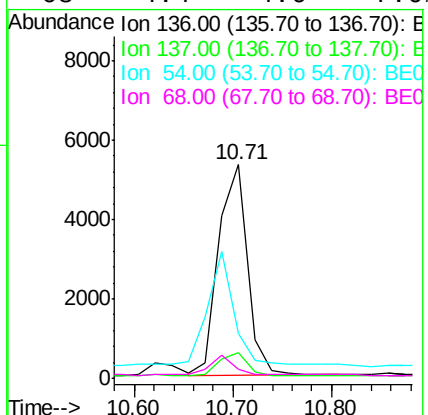
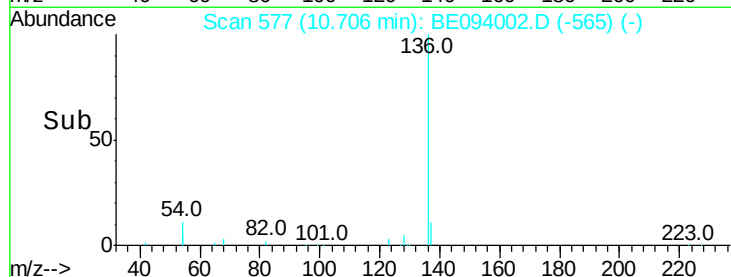
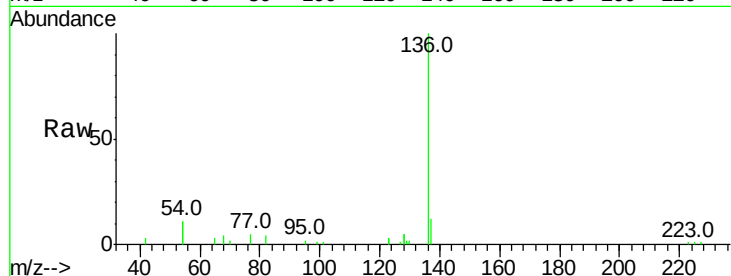
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 21.2 21.9 32.9#

68 4.4 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.399 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

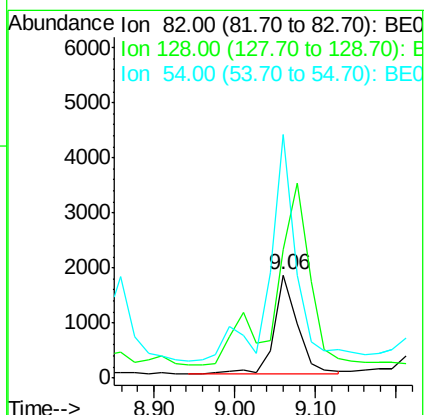
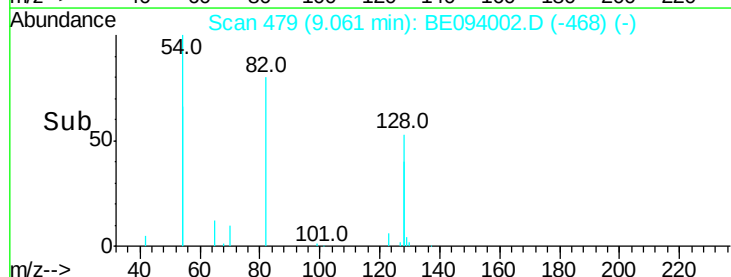
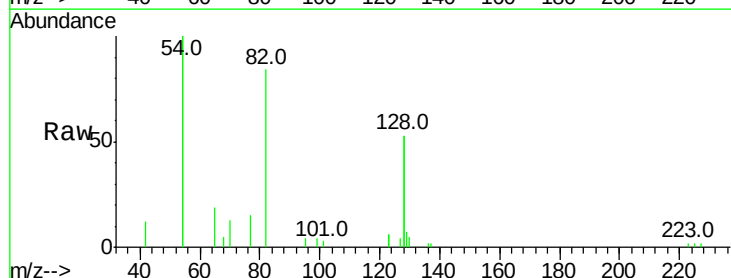
Tgt Ion: 82 Resp: 3636

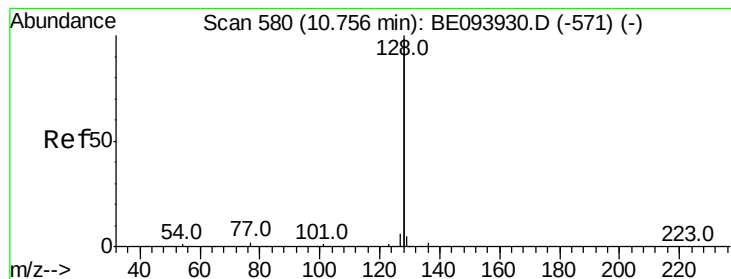
Ion Ratio Lower Upper

82 100

128 125.4 91.4 137.0

54 236.7 197.8 296.8





#9

Naphthalene

Concen: 1.208 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

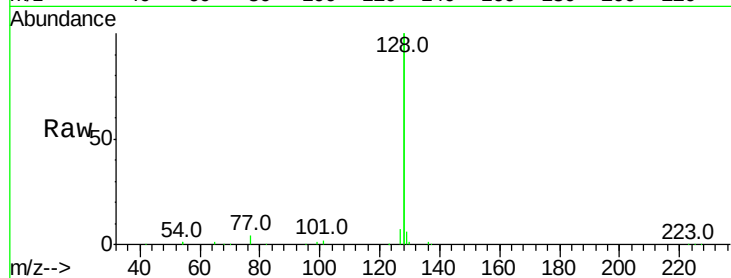
Tot Ion:128 Resp: 149342

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

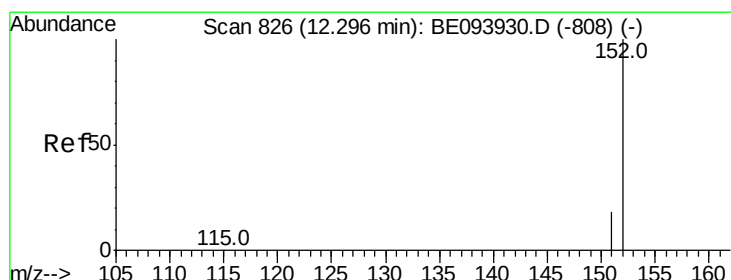
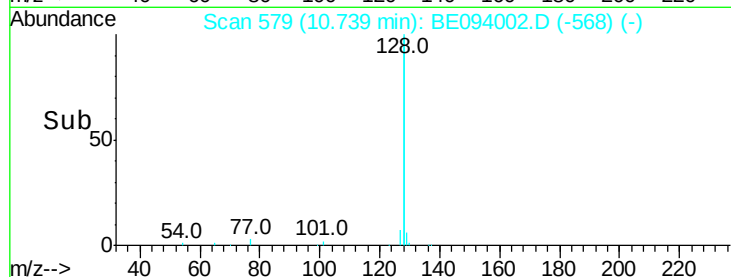
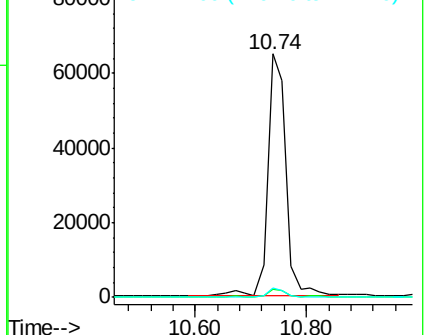
127 3.6 2.6 4.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE094002.D

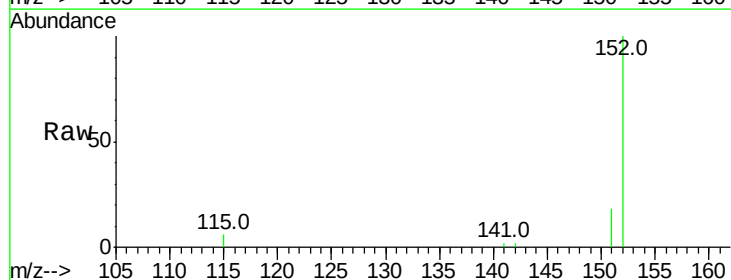
Acq: 14 Sep 2017 12:54

Tgt Ion:152 Resp: 6008

Ion Ratio Lower Upper

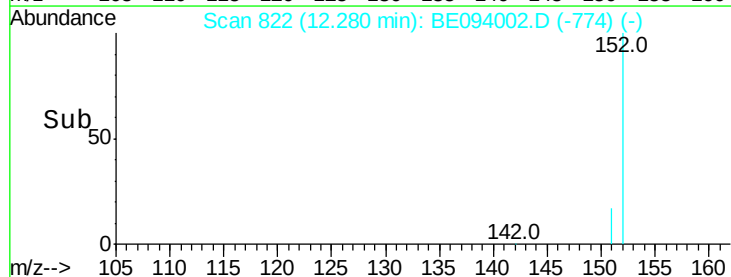
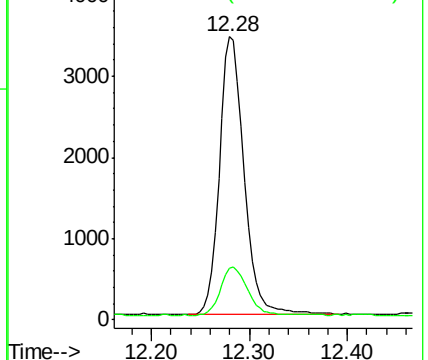
152 100

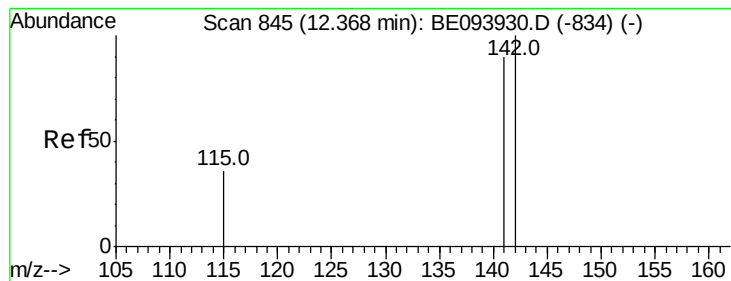
151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.105 ng

RT: 12.36 min Scan# 842

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

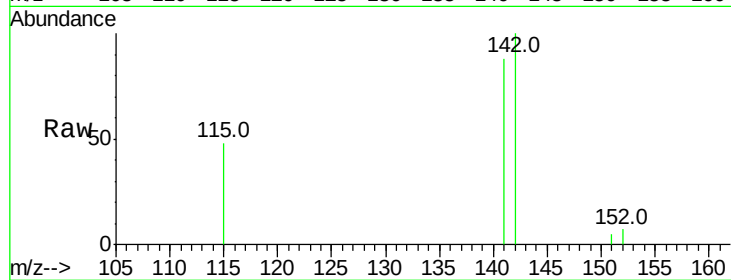
Tot Ion:142 Resp: 2163

Ion Ratio Lower Upper

142 100

141 88.3 71.4 107.2

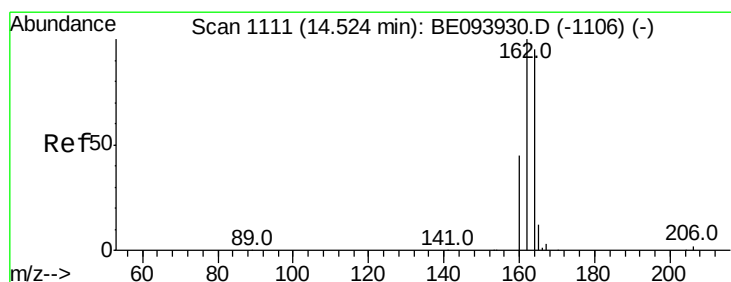
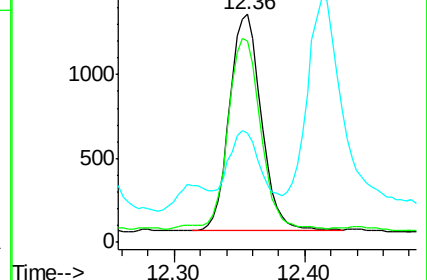
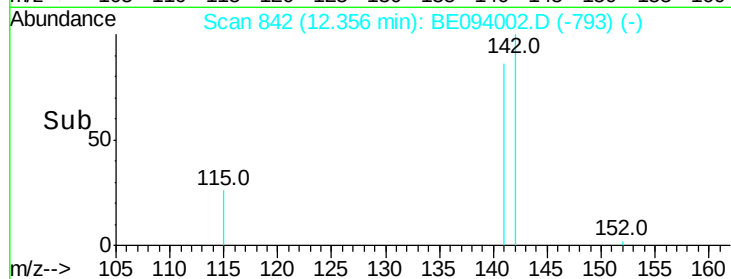
115 47.8 29.4 44.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

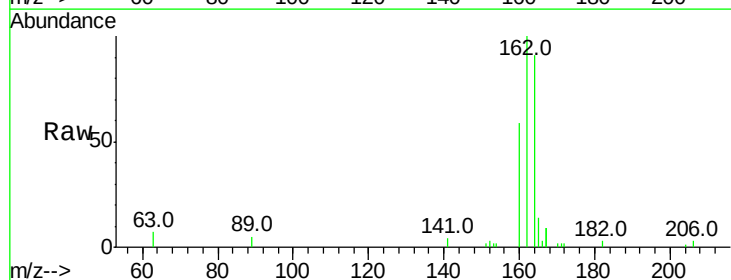
Tgt Ion:164 Resp: 6693

Ion Ratio Lower Upper

164 100

162 109.7 80.8 121.2

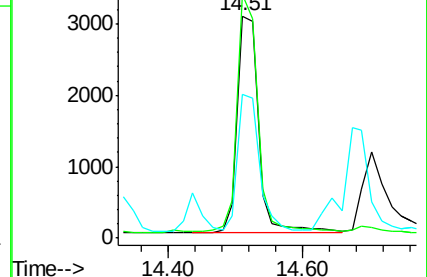
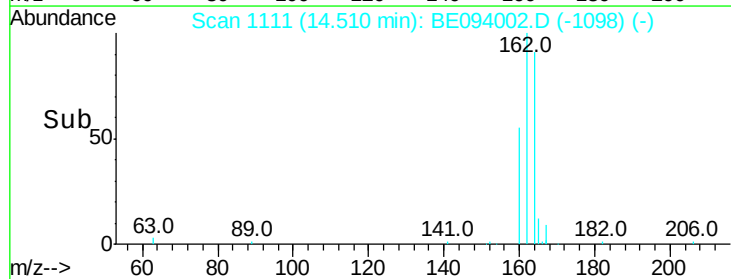
160 64.5 37.0 55.4#

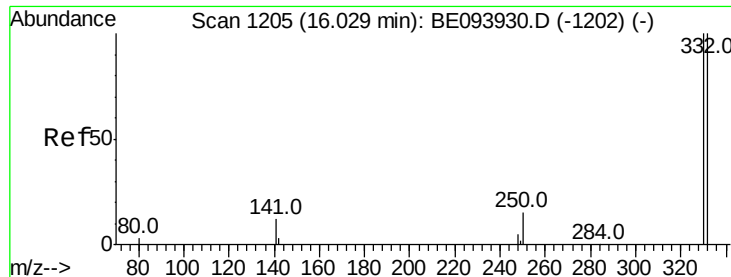


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.762 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

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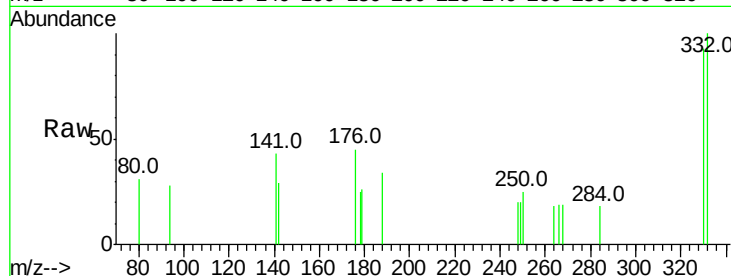
Tot Ion:330 Resp: 1578

Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

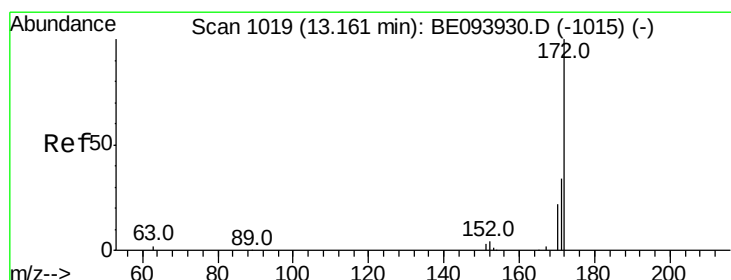
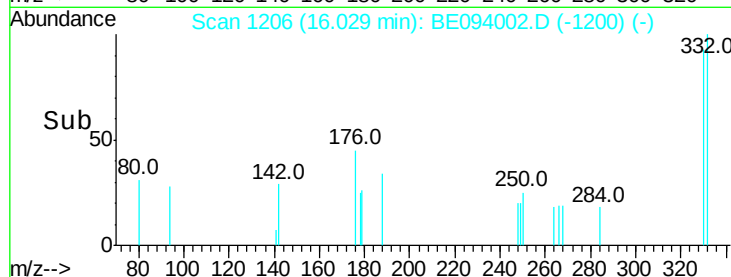
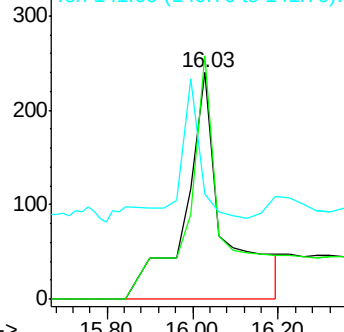
141 0.0 0.0 0.0



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: 0.340 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

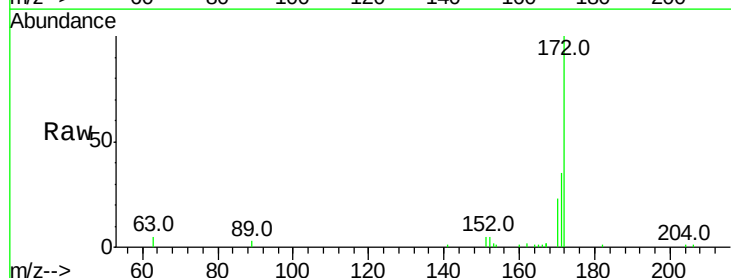
Tgt Ion:172 Resp: 8989

Ion Ratio Lower Upper

172 100

171 34.5 26.9 40.3

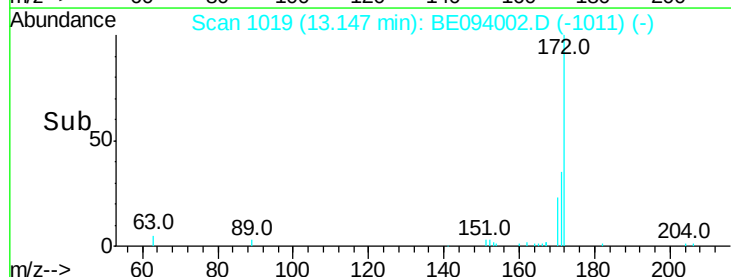
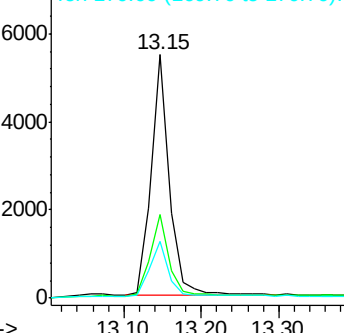
170 23.1 17.3 25.9

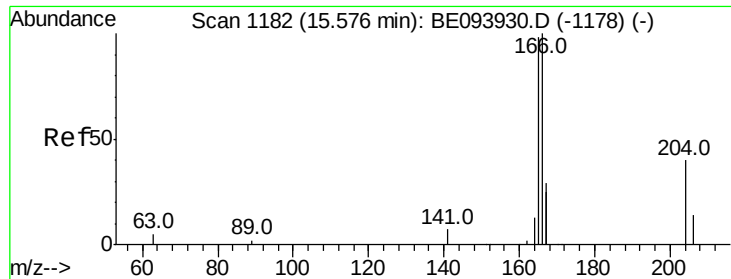


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#18

Fluorene

Concen: 0.020 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

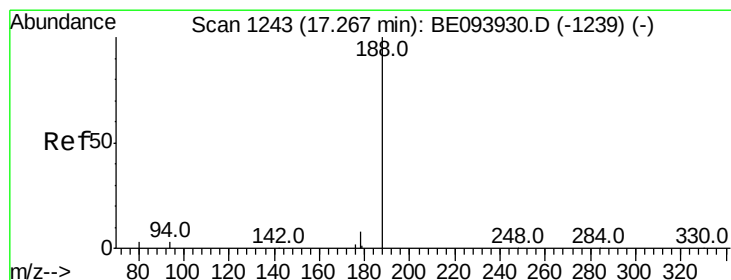
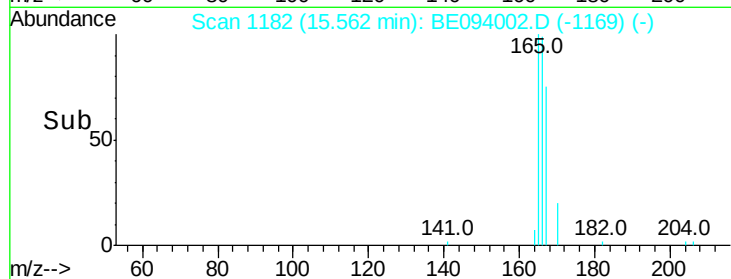
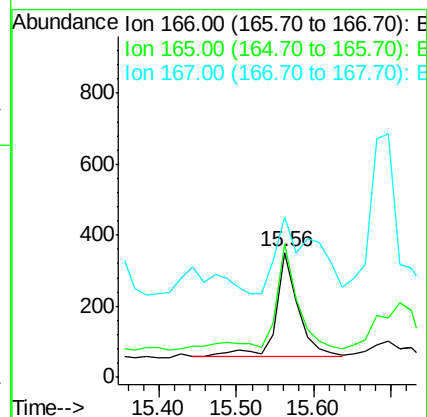
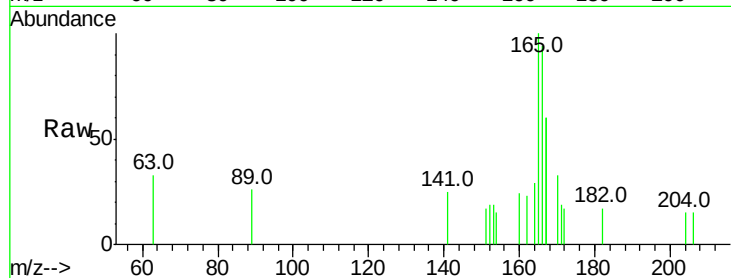
Tot Ion:166 Resp: 594

Ion Ratio Lower Upper

166 100

165 92.9 79.4 119.0

167 125.8 43.5 65.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

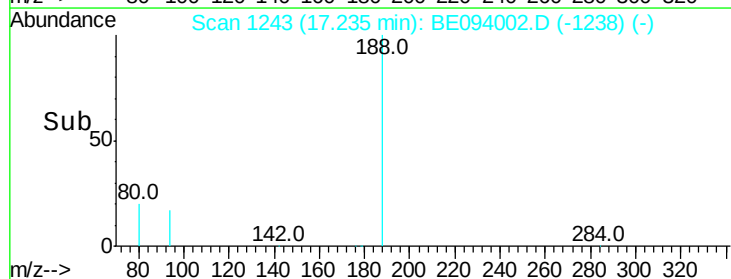
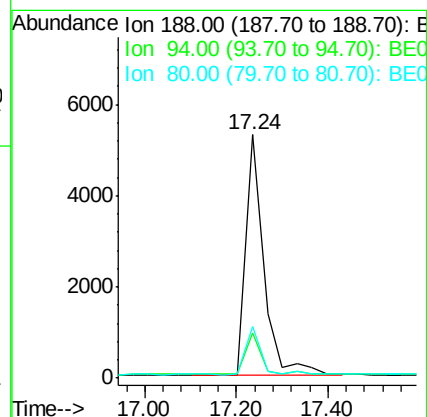
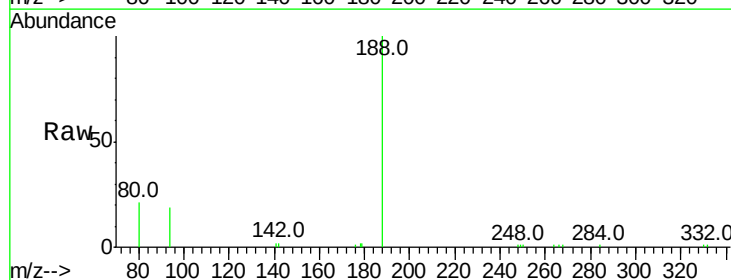
Tgt Ion:188 Resp: 14290

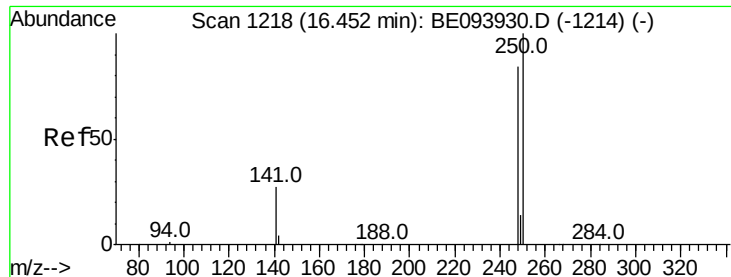
Ion Ratio Lower Upper

188 100

94 18.6 16.1 24.1

80 21.0 18.2 27.2

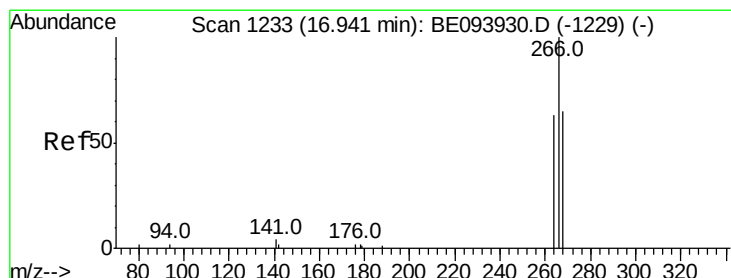
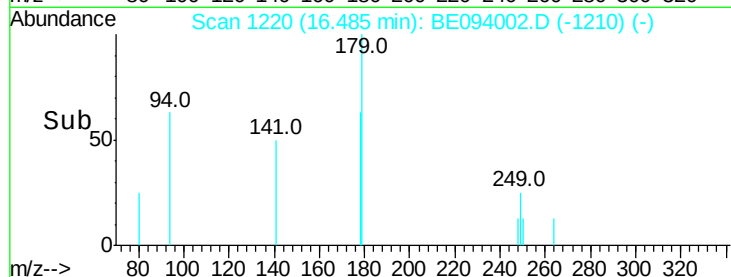
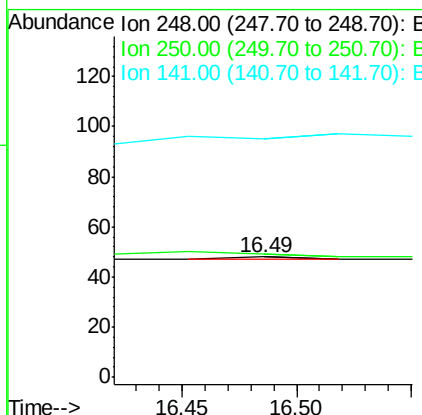
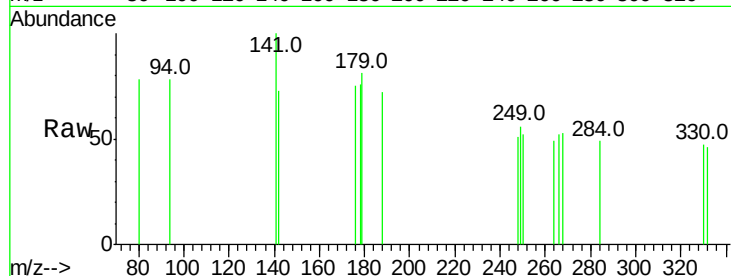




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.49 min Scan# 1220
Delta R.T. 0.03 min
Lab File: BE094002.D
Acq: 14 Sep 2017 12:54

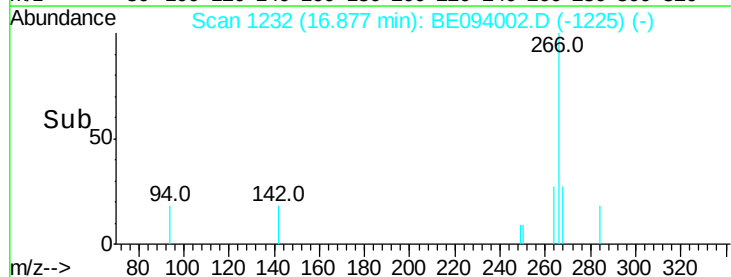
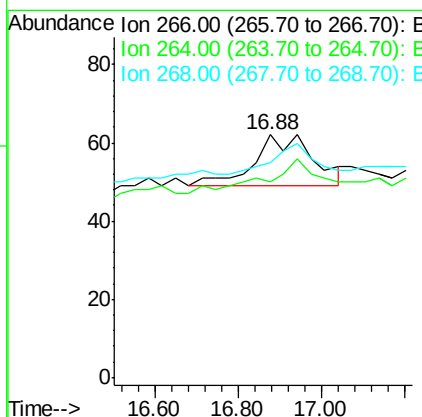
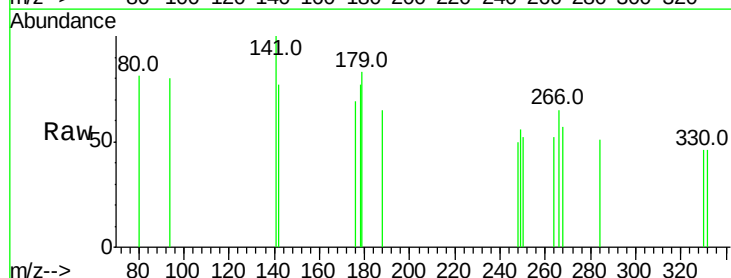
Instrument :
BNA_E
ClientSampleId :
PR-MW-05-090717

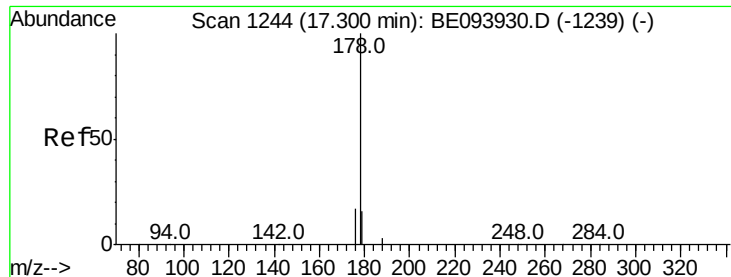
Tot Ion:248 Resp: 2
Ion Ratio Lower Upper
248 100
250 102.1 111.8 167.8#
141 197.9 27.1 40.7#



#22
Pentachlorophenol
Concen: 0.057 ng
RT: 16.88 min Scan# 1232
Delta R.T. -0.06 min
Lab File: BE094002.D
Acq: 14 Sep 2017 12:54

Tgt Ion:266 Resp: 129
Ion Ratio Lower Upper
266 100
264 80.6 53.5 80.3#
268 88.7 60.0 90.0





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

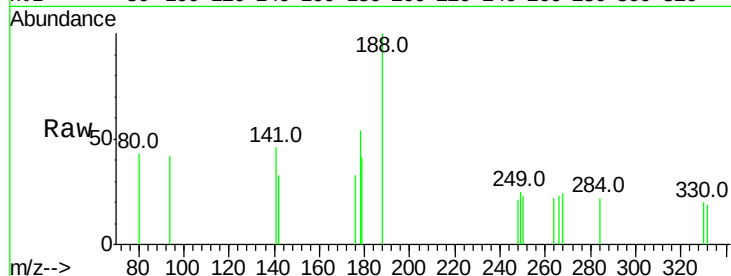
Tot Ion:178 Resp: 370

Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

179 0.0 12.6 18.8#



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

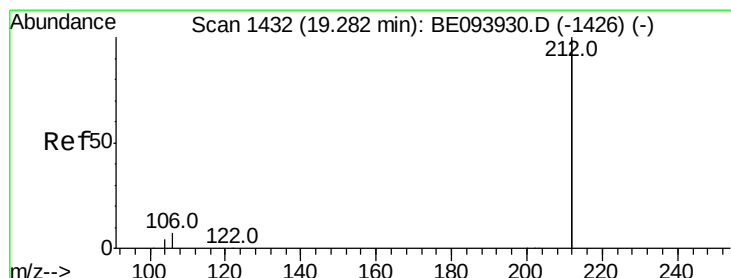
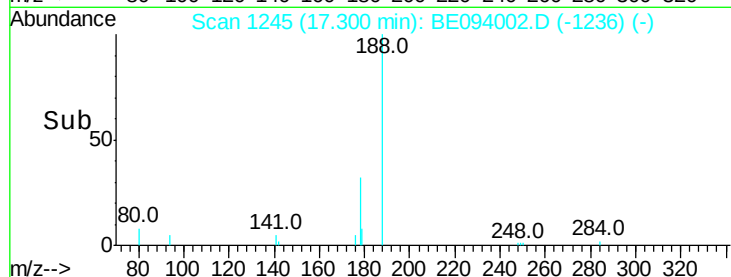
17.30

100

50

0

Time--> 17.00 17.20 17.40



#25

Fluoranthene-d10

Concen: 0.279 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

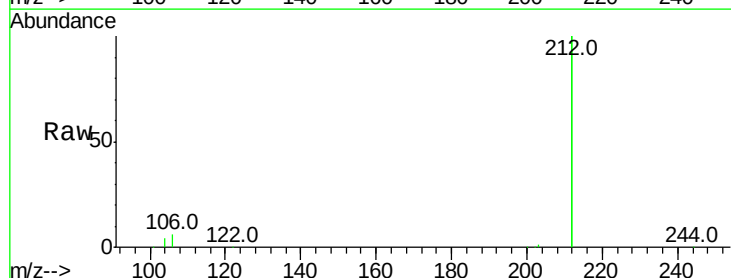
Tgt Ion:212 Resp: 59468

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

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

19.28

40000

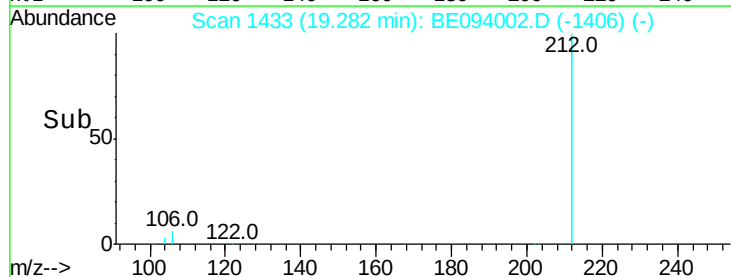
30000

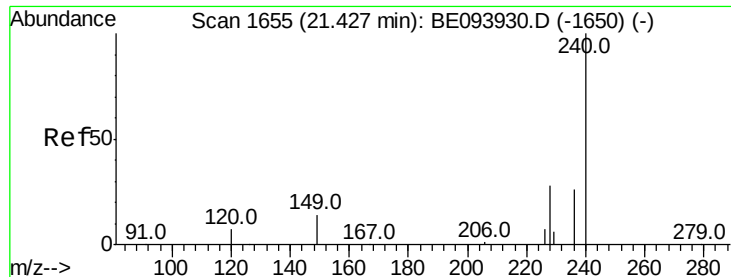
20000

10000

0

Time--> 19.20 19.30 19.40





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

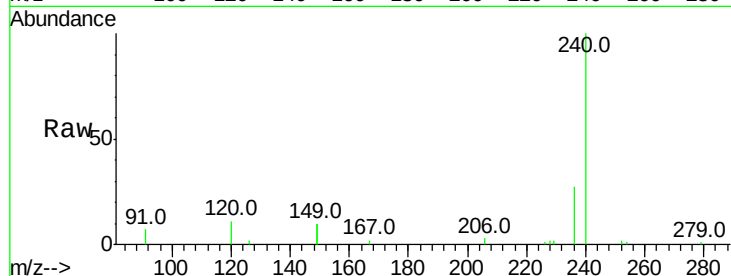
Tot Ion:240 Resp: 13631

Ion Ratio Lower Upper

240 100

120 10.6 8.7 13.1

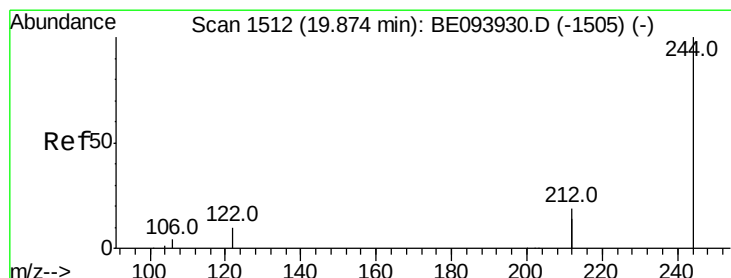
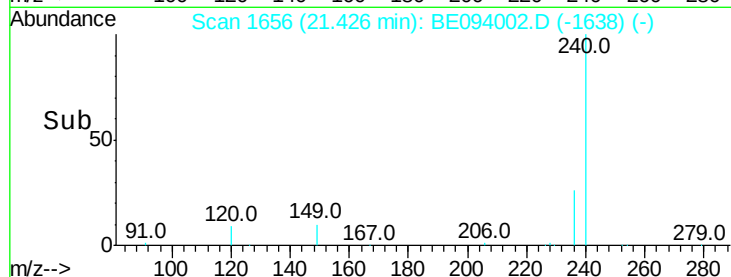
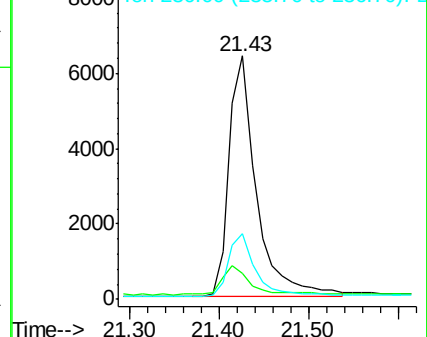
236 26.8 21.3 31.9



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: 0.519 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

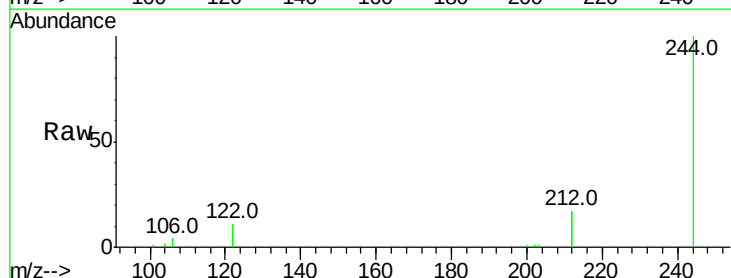
Tgt Ion:244 Resp: 13026

Ion Ratio Lower Upper

244 100

212 33.2 28.3 42.5

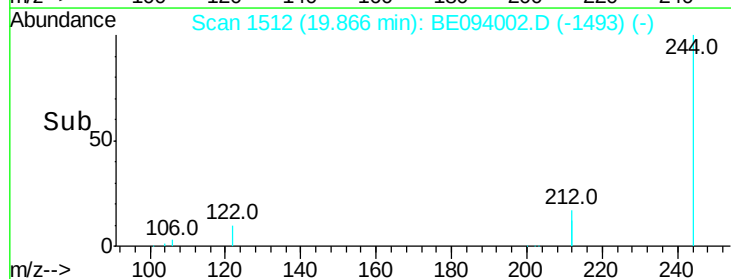
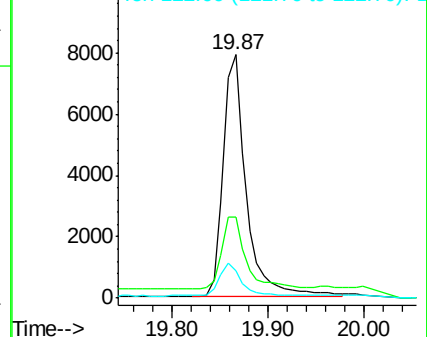
122 11.0 9.4 14.0

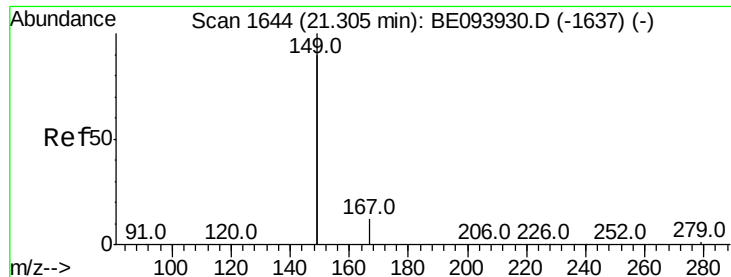


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.029 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-090717

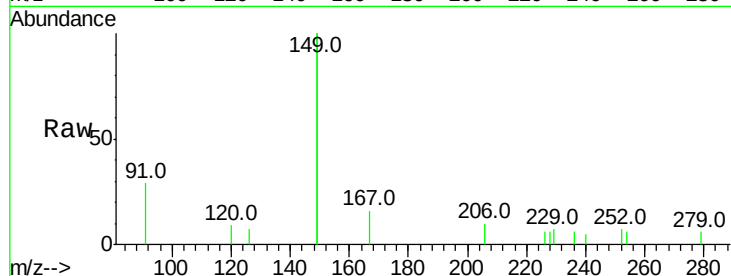
Tot Ion:149 Resp: 2962

Ion Ratio Lower Upper

149 100

167 8.5 5.4 8.0#

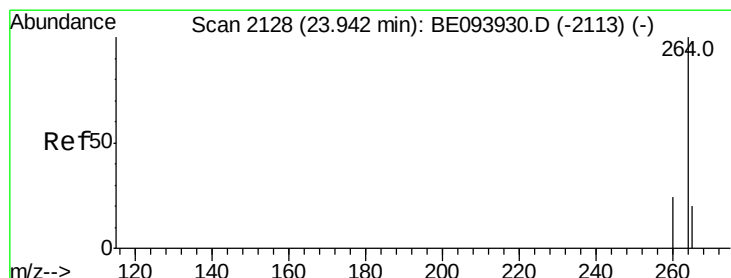
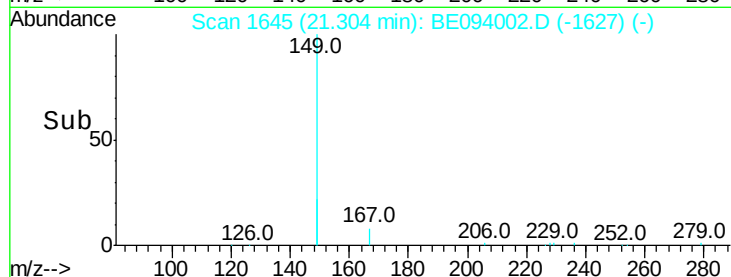
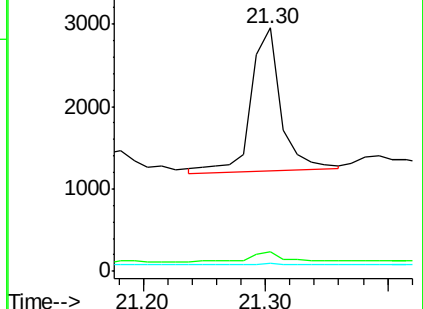
279 1.2 0.7 1.1#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE094002.D

Acq: 14 Sep 2017 12:54

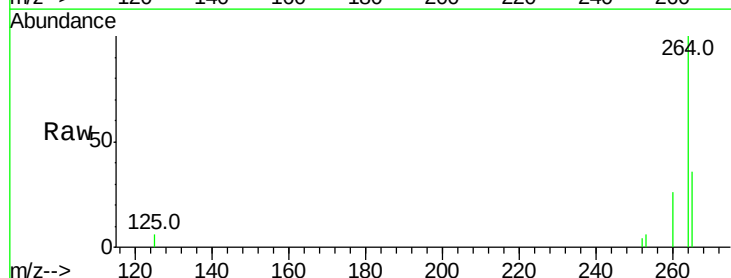
Tgt Ion:264 Resp: 10394

Ion Ratio Lower Upper

264 100

260 25.8 20.0 30.0

265 35.8 24.0 36.0



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

