

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051816\
 Data File : BE091797.D
 Acq On : 18 May 2016 20:20
 Operator : UM/SJ
 Sample : H3065-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC50MW002-160511

Quant Time: May 19 00:39:15 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

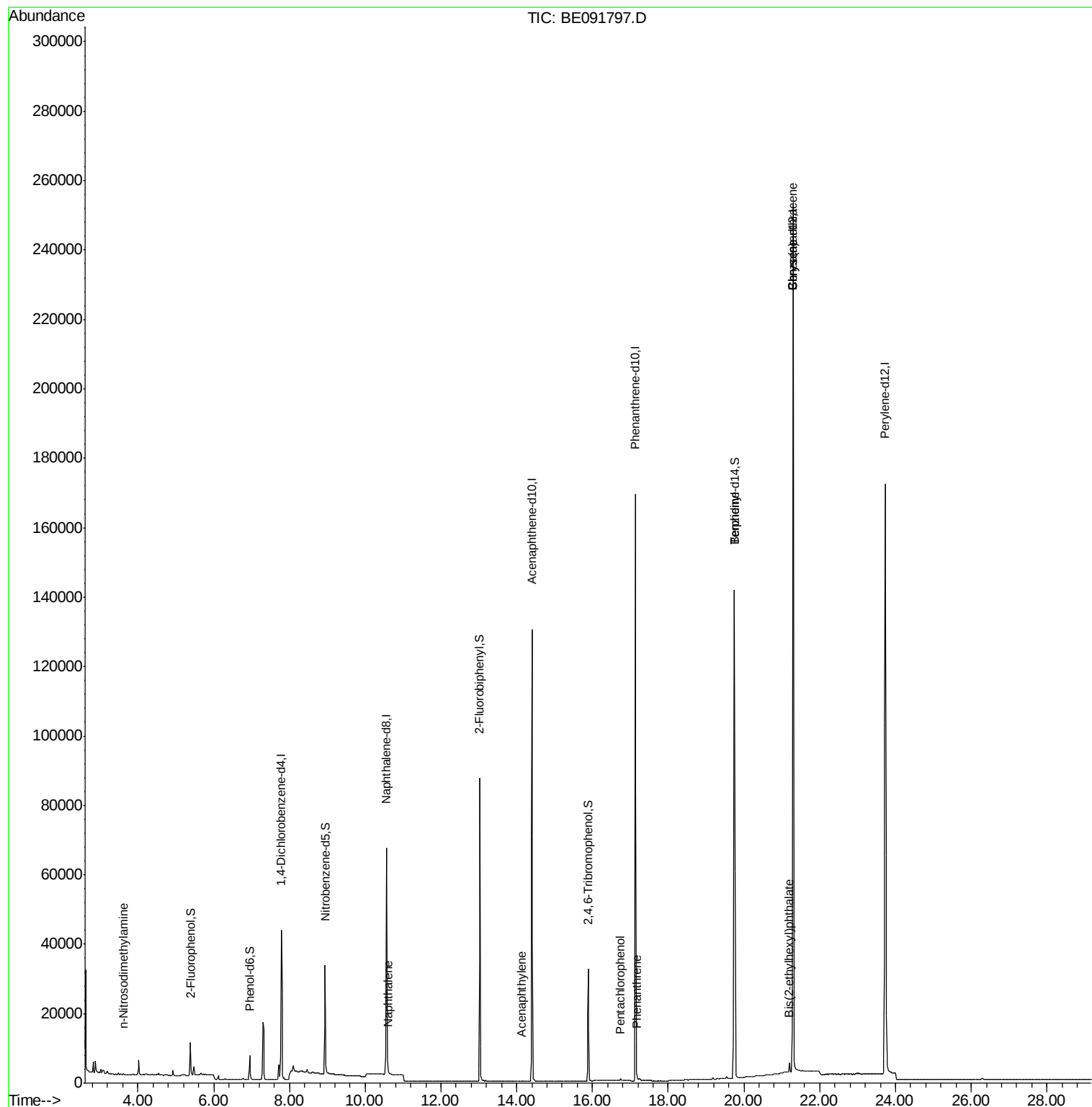
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	23811	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	119940	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	80210	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	212241	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	291240	5.00	ng	-0.02
35) Perylene-d12	23.73	264	258261	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	9225	1.58	ng	0.00
5) Phenol-d6	6.95	99	8257	1.06	ng	0.00
8) Nitrobenzene-d5	8.93	82	31472	4.07	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	20588	6.92	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	84390	3.72	ng	-0.01
29) Terphenyl-d14	19.74	244	198523	4.37	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.40	88	36	Below Cal	#	1
3) n-Nitrosodimethylamine	3.61	42	231	0.05 ng	#	1
10) Naphthalene	10.61	128	529	0.02 ng	#	41
16) Acenaphthylene	14.12	152	1076	0.03 ng	#	21
22) Pentachlorophenol	16.74	266	575	0.23 ng	#	15
23) Phenanthrene	17.17	178	1038	0.02 ng	#	83
27) Benzidine	19.74	184	3506	0.31 ng		95
30) Benzo(a)anthracene	21.29	228	2000	0.03 ng	#	59
32) Chrysene	21.29	228	2043	0.03 ng	#	66
33) Bis(2-ethylhexyl)phthalate	21.20	149	3273	0.15 ng	#	73

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

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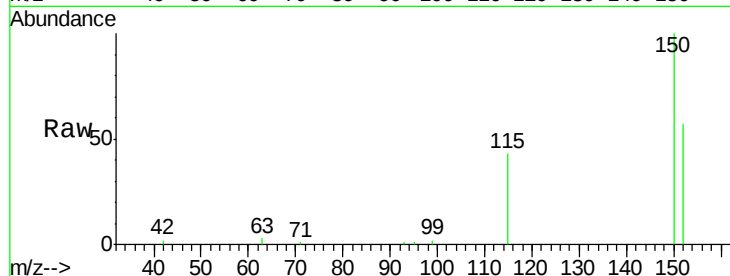
Tgt Ion:152 Resp: 23811

Ion Ratio Lower Upper

152 100

150 174.9 122.6 183.8

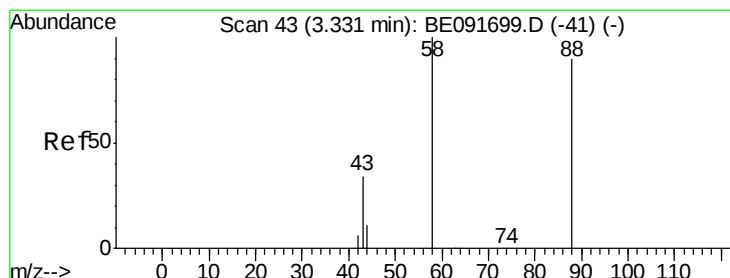
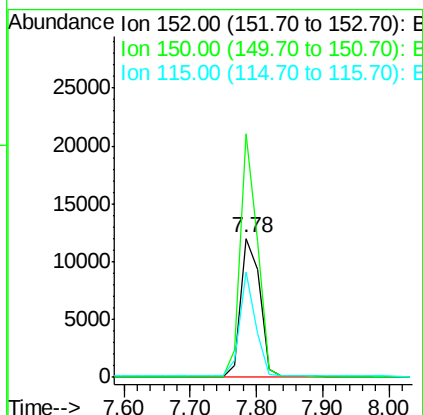
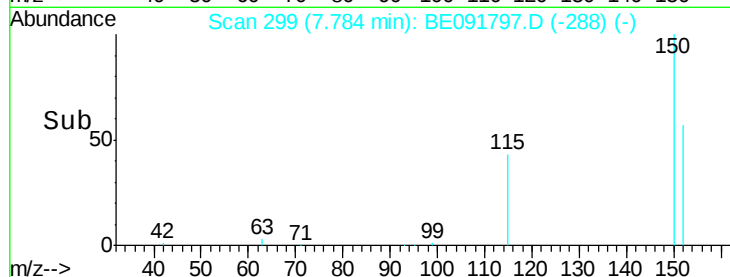
115 75.9 52.8 79.2



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: Below Cal

RT: 3.40 min Scan# 47

Delta R.T. 0.07 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

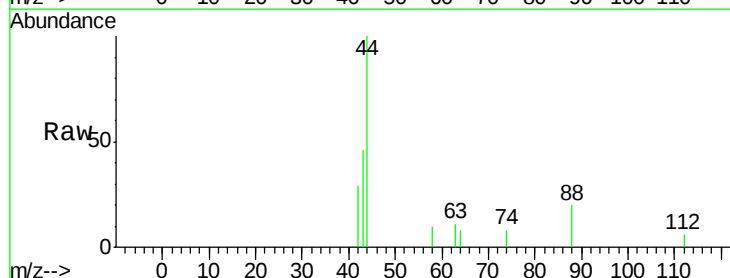
Tgt Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

58 36.1 65.8 98.6#

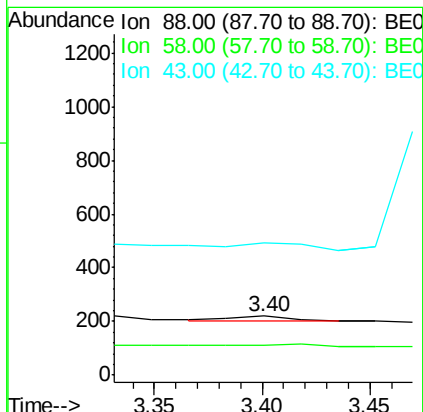
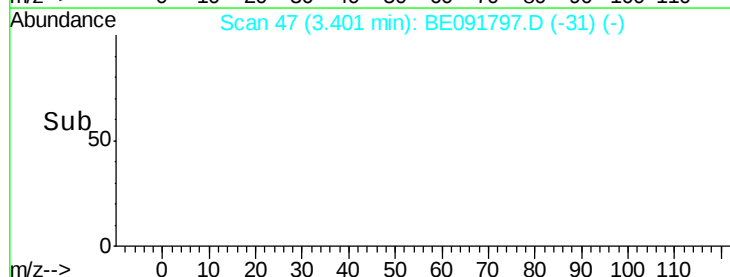
43 155.6 25.3 37.9#

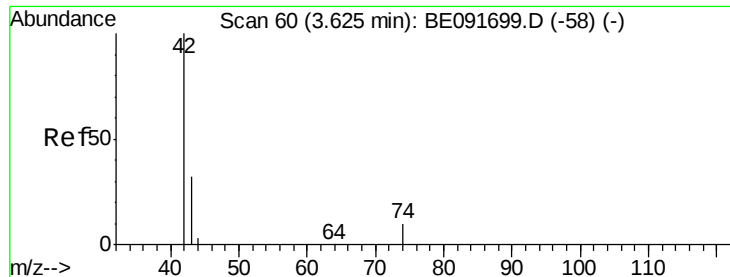


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

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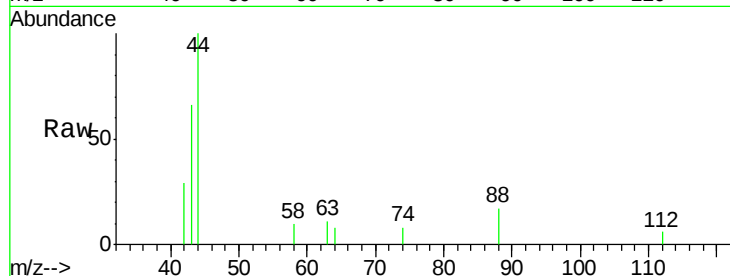
Tgt Ion: 42 Resp: 231

Ion Ratio Lower Upper

42 100

74 3.5 87.9 131.9#

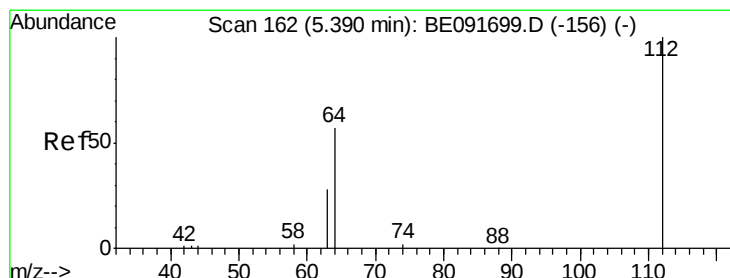
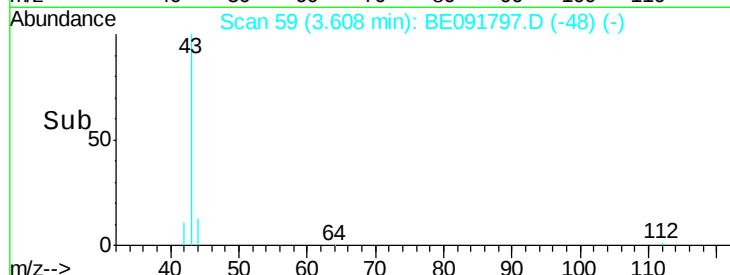
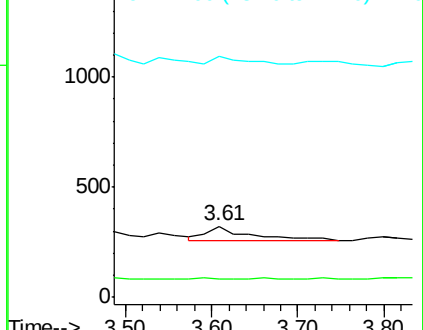
44 39.0 6.6 9.8#



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: 1.58 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

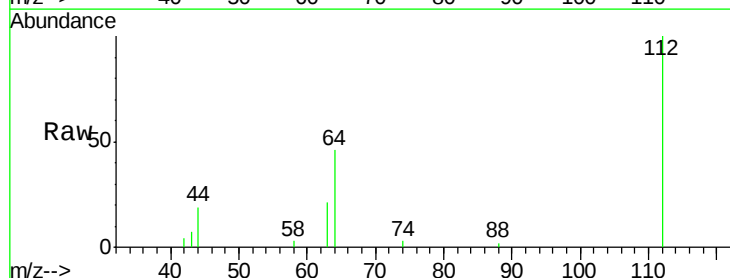
Tgt Ion: 112 Resp: 9225

Ion Ratio Lower Upper

112 100

64 66.9 30.9 46.3#

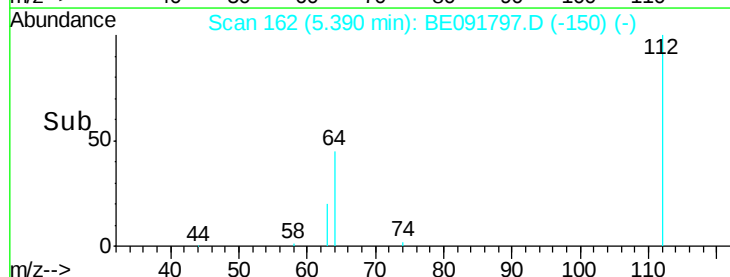
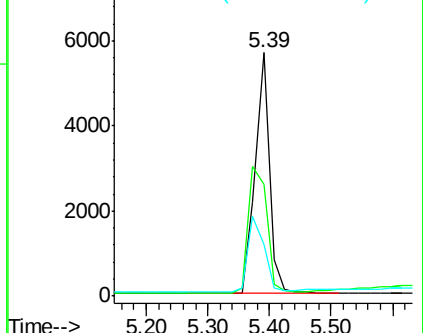
63 35.1 16.7 25.1#

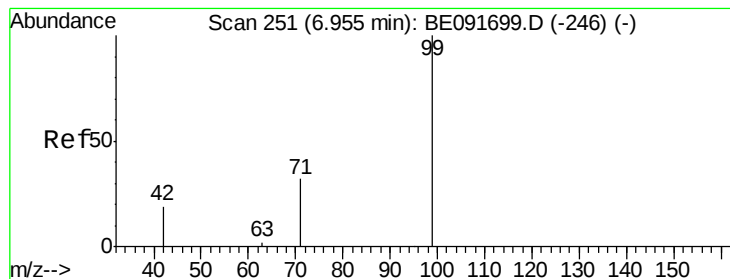


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.06 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

Instrument :

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AOC50MW002-160511

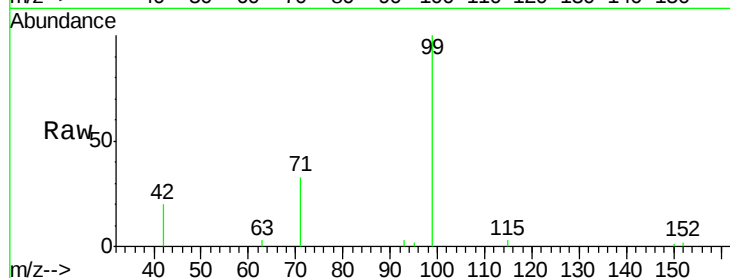
Tgt Ion: 99 Resp: 8257

Ion Ratio Lower Upper

99 100

42 22.9 16.2 24.2

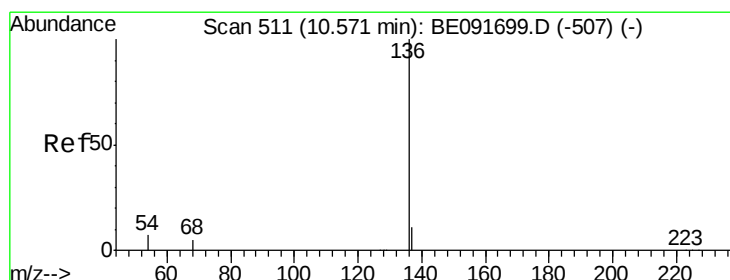
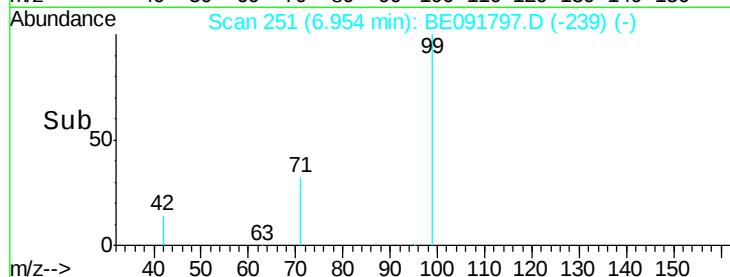
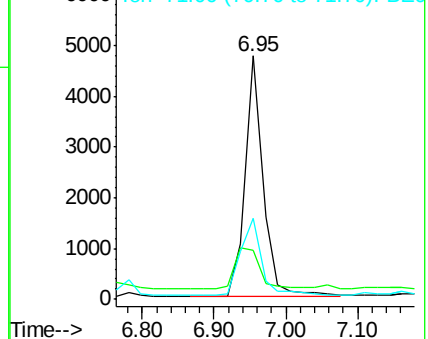
71 36.6 29.0 43.4



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: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

Tgt Ion: 136 Resp: 119940

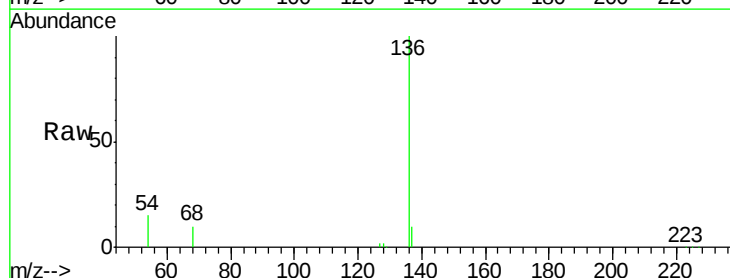
Ion Ratio Lower Upper

136 100

137 9.9 8.9 13.3

54 14.6 8.2 12.4#

68 10.0 6.2 9.4#

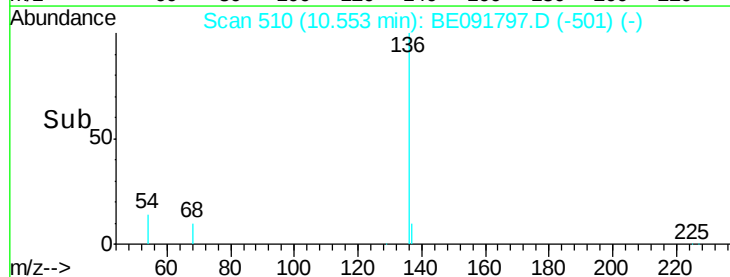
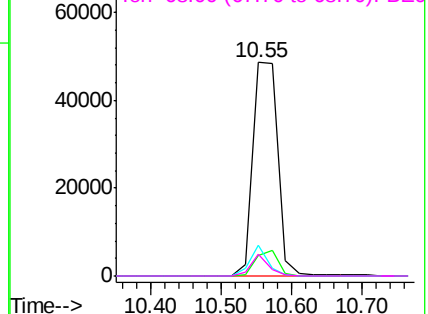


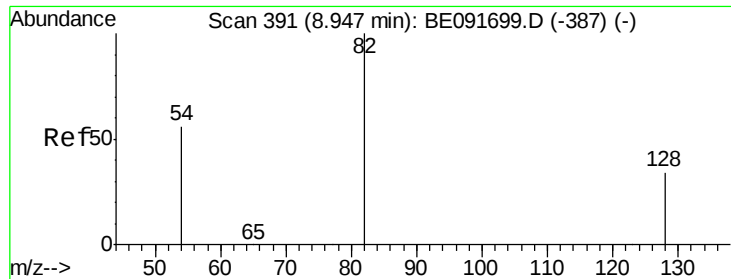
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.07 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

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AOC50MW002-160511

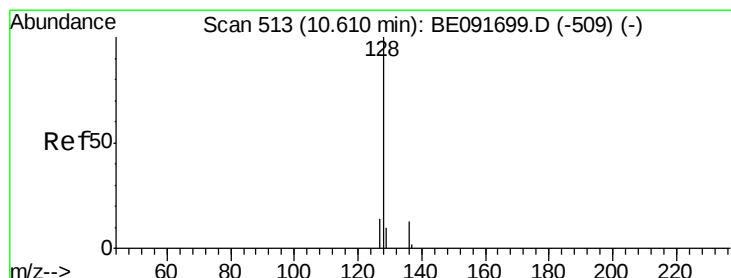
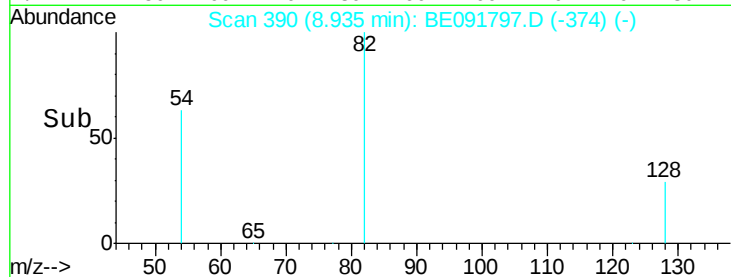
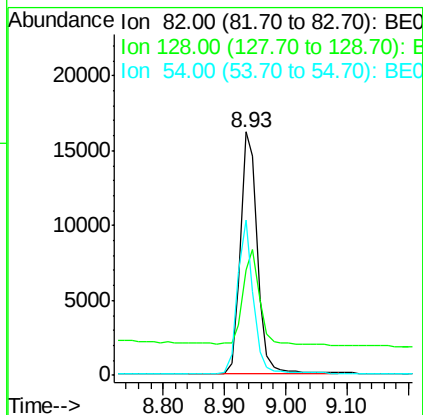
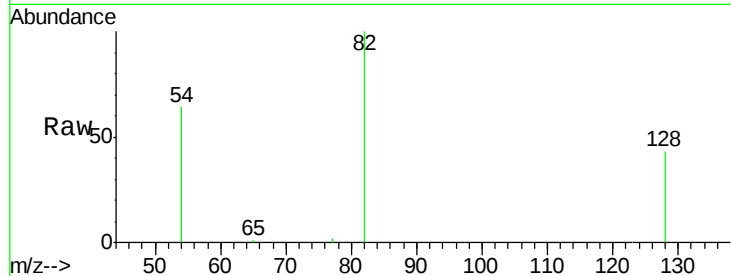
Tgt Ion: 82 Resp: 31472

Ion Ratio Lower Upper

82 100

128 43.2 25.4 38.0#

54 63.6 48.4 72.6



#10

Naphthalene

Concen: 0.02 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

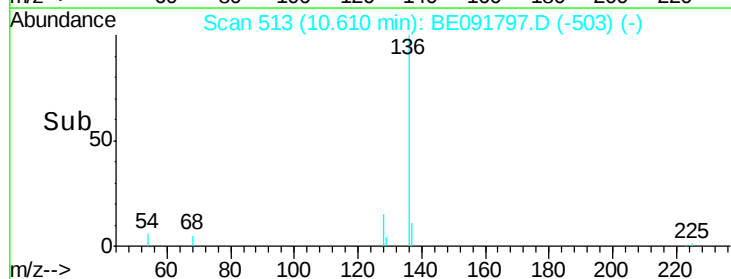
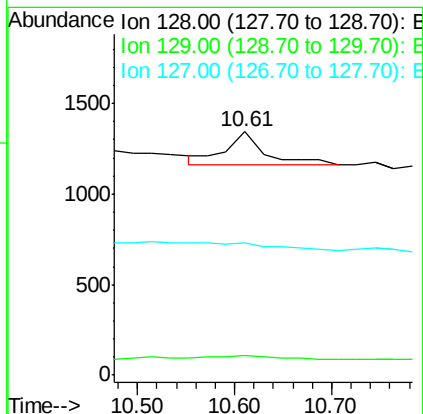
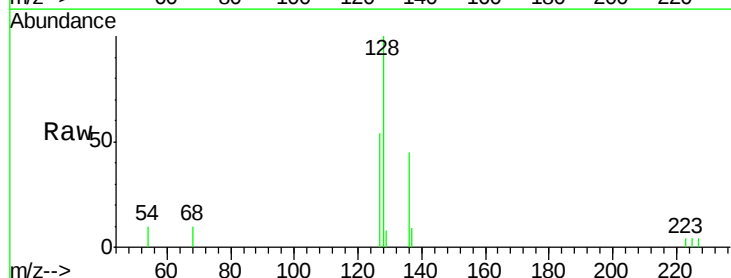
Tgt Ion: 128 Resp: 529

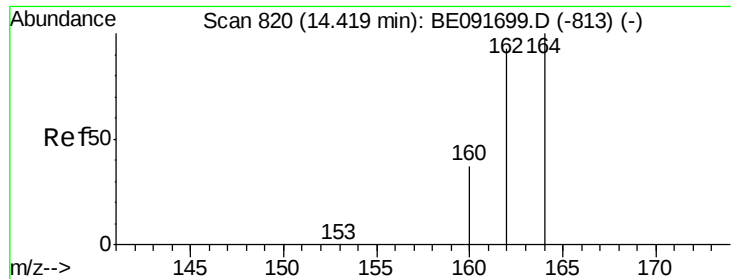
Ion Ratio Lower Upper

128 100

129 8.0 9.3 13.9#

127 54.3 10.7 16.1#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

Instrument :

BNA_E

ClientSampleId :

AOC50MW002-160511

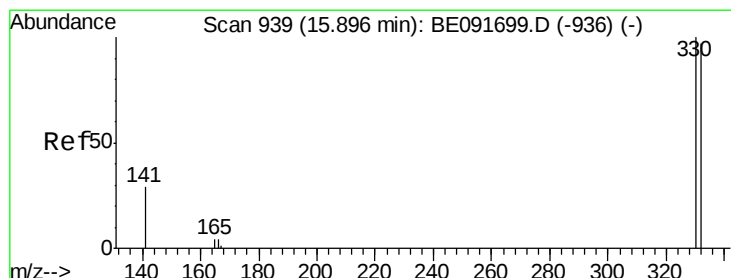
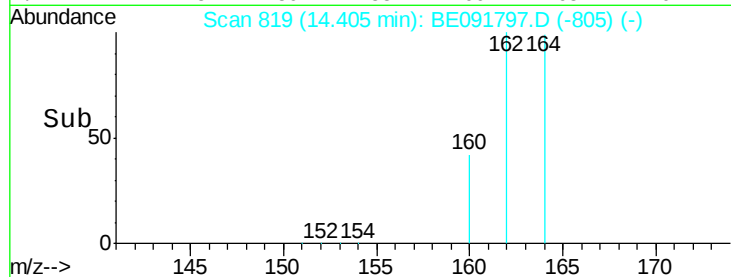
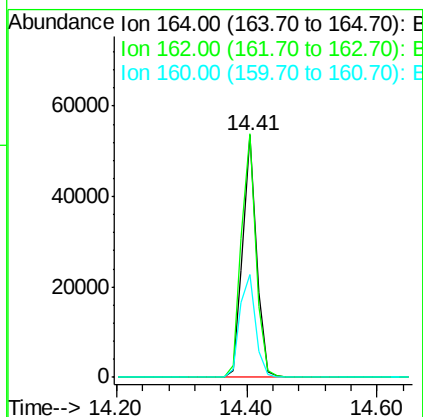
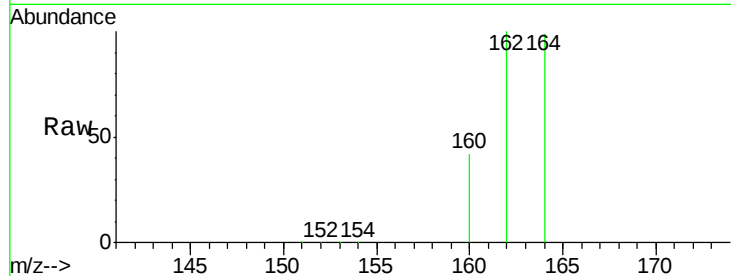
Tgt Ion:164 Resp: 80210

Ion Ratio Lower Upper

164 100

162 100.6 85.3 127.9

160 42.7 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 6.92 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

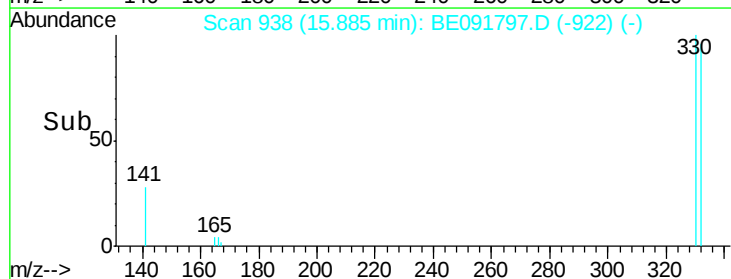
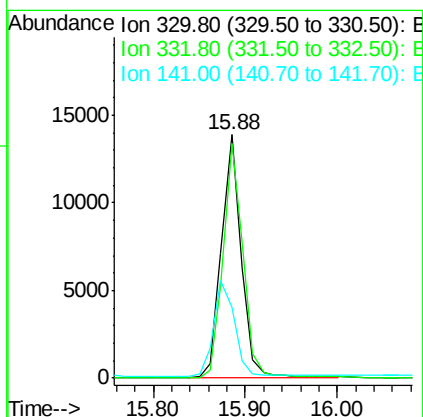
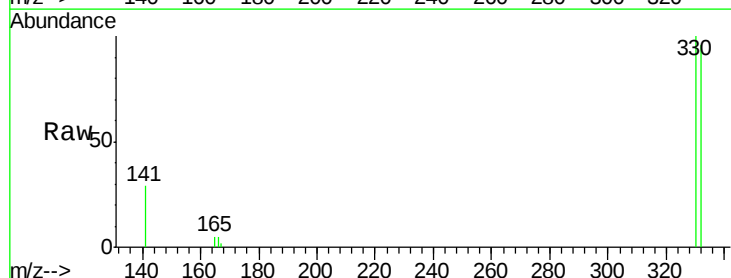
Tgt Ion:330 Resp: 20588

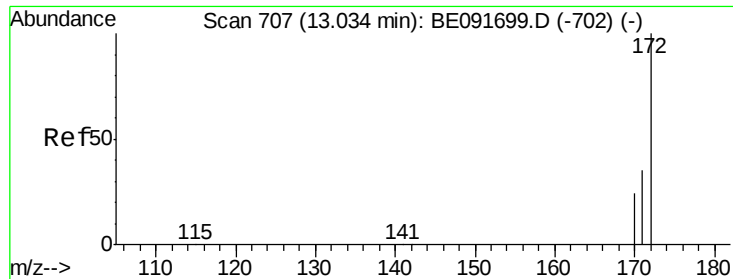
Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

141 41.8 125.4 188.0#

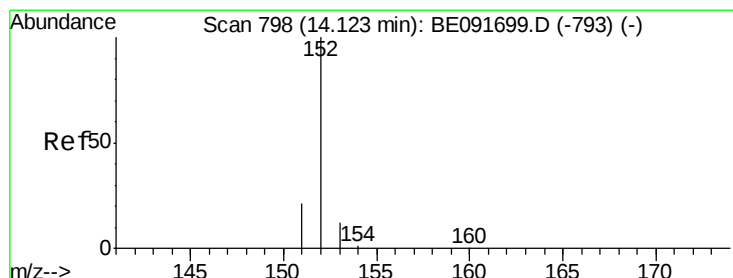
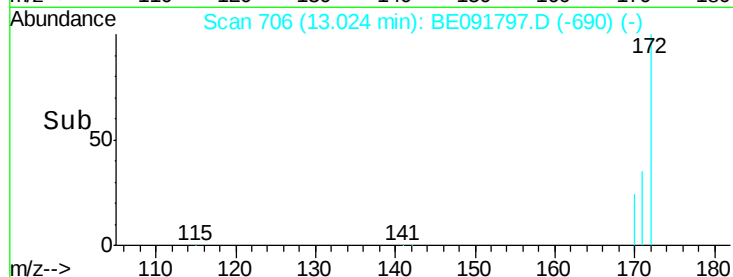
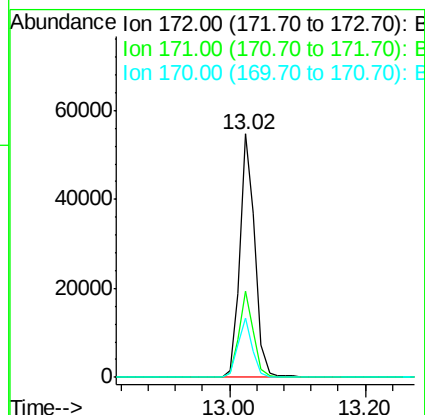
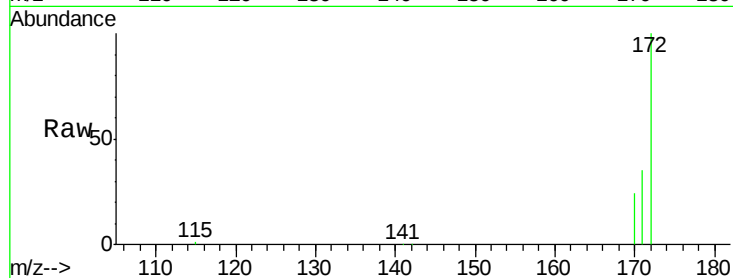




#15
2-Fluorobiphenyl
Concen: 3.72 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

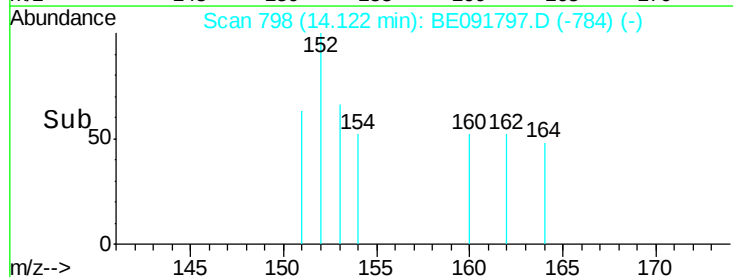
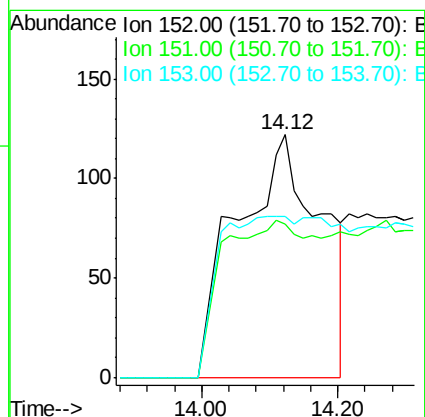
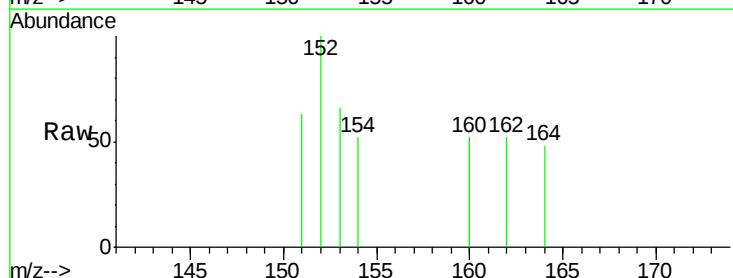
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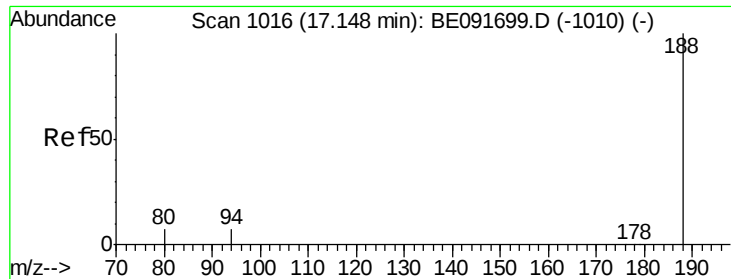
Tgt Ion:172 Resp: 84390
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.2 19.3 28.9



#16
Acenaphthylene
Concen: 0.03 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

Tgt Ion:152 Resp: 1076
Ion Ratio Lower Upper
152 100
151 71.3 3.9 5.9#
153 0.0 10.3 15.5#

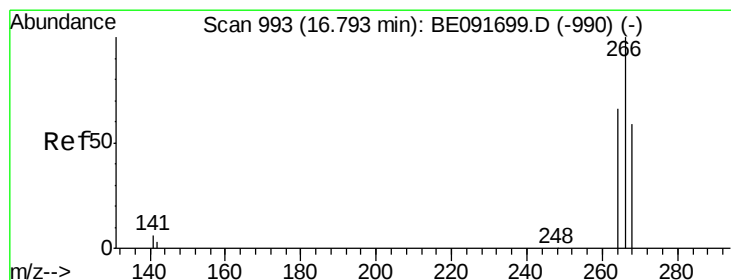
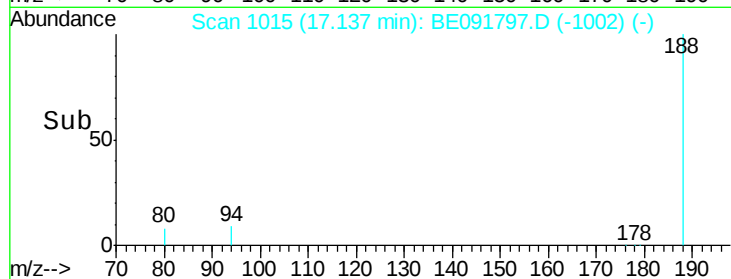
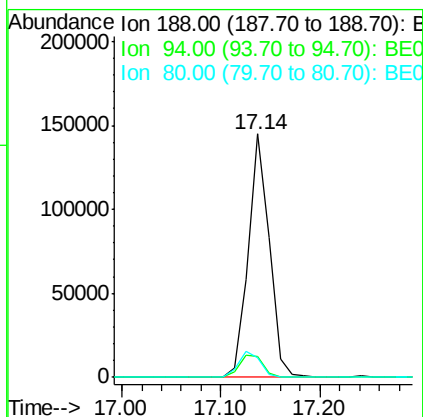
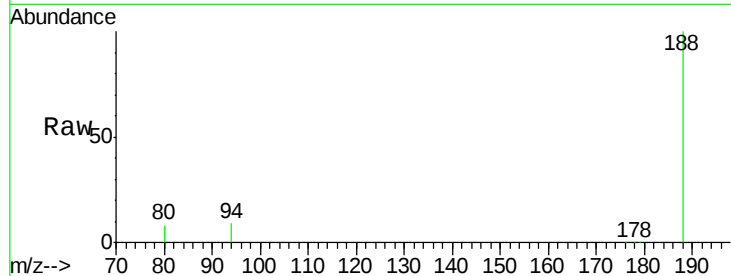




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

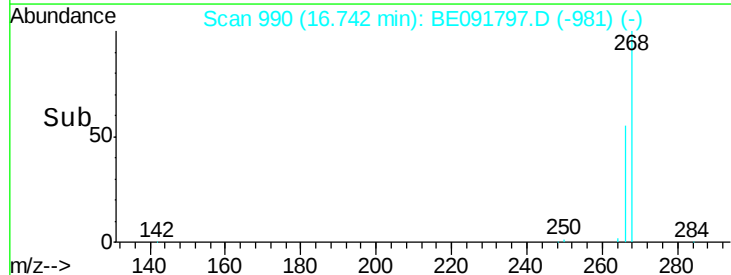
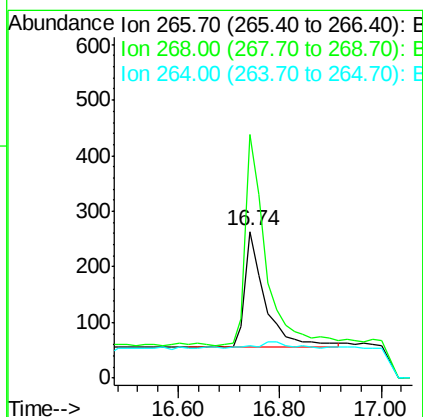
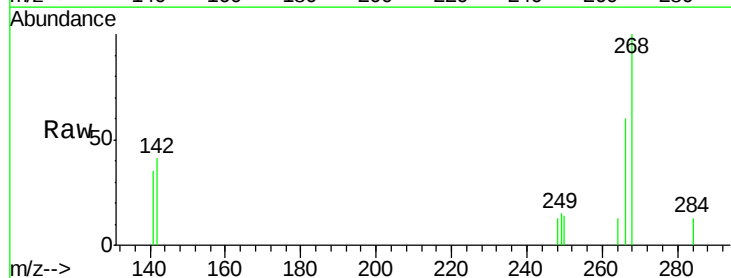
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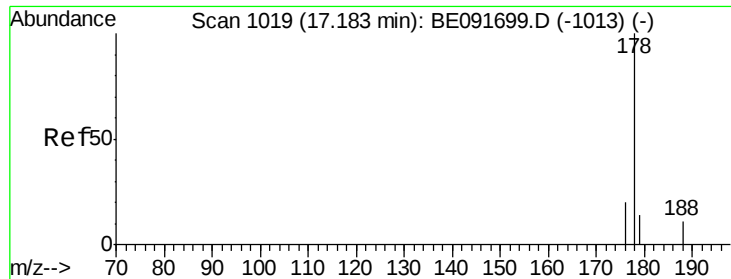
Tgt Ion:188 Resp: 212241
Ion Ratio Lower Upper
188 100
94 8.6 8.7 13.1#
80 8.1 9.4 14.0#



#22
Pentachlorophenol
Concen: 0.23 ng
RT: 16.74 min Scan# 990
Delta R.T. -0.05 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

Tgt Ion:266 Resp: 575
Ion Ratio Lower Upper
266 100
268 165.9 58.2 87.2#
264 22.3 56.2 84.4#





#23

Phenanthrene

Concen: 0.02 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

Instrument :

BNA_E

ClientSampleId :

AOC50MW002-160511

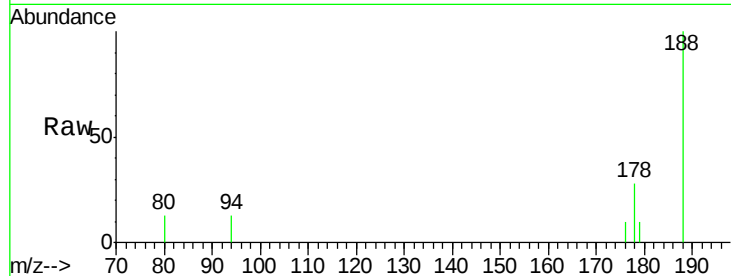
Tgt Ion:178 Resp: 1038

Ion Ratio Lower Upper

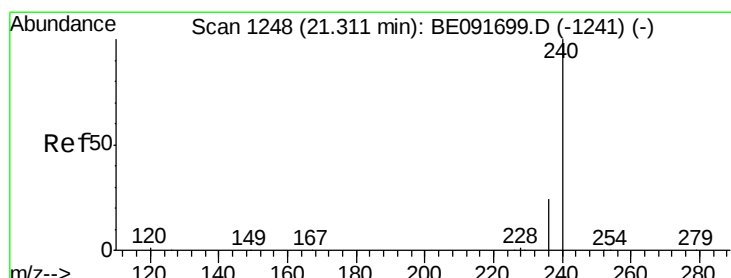
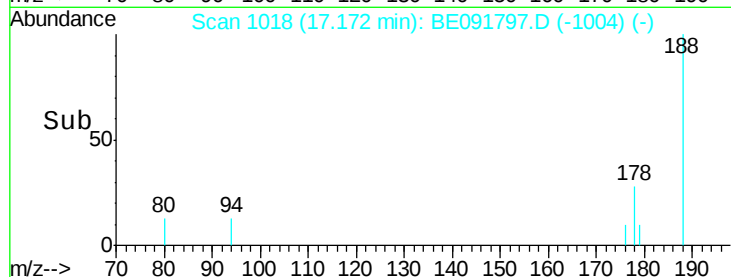
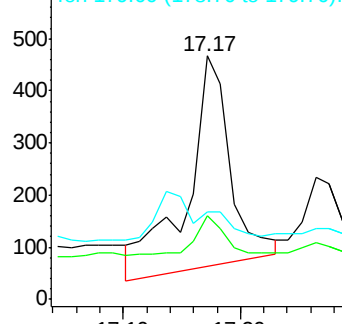
178 100

176 18.8 15.3 22.9

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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

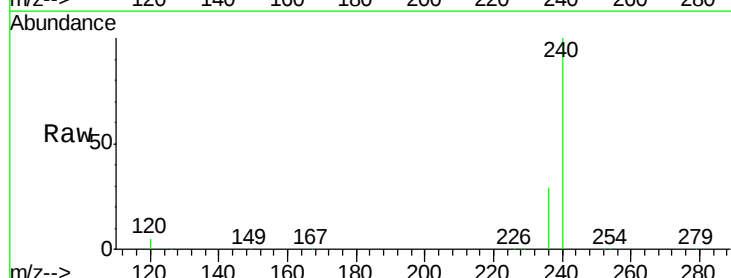
Tgt Ion:240 Resp: 291240

Ion Ratio Lower Upper

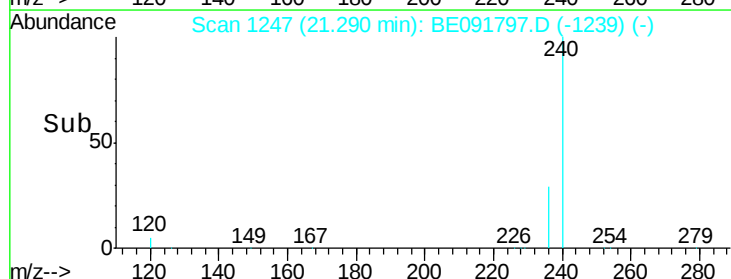
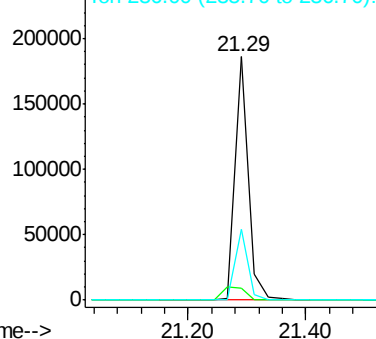
240 100

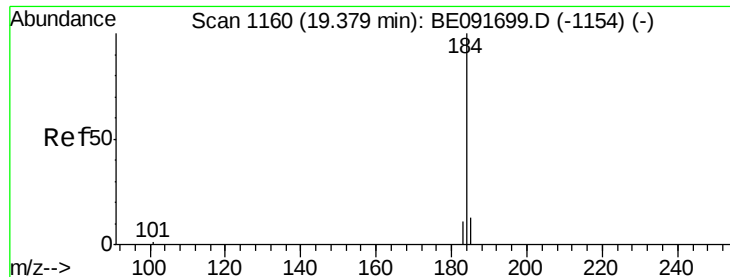
120 5.0 11.0 16.4#

236 29.2 21.7 32.5



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

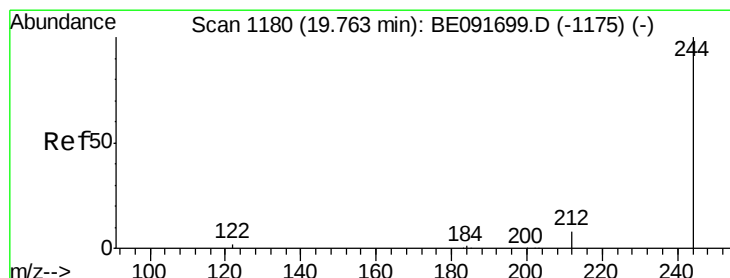
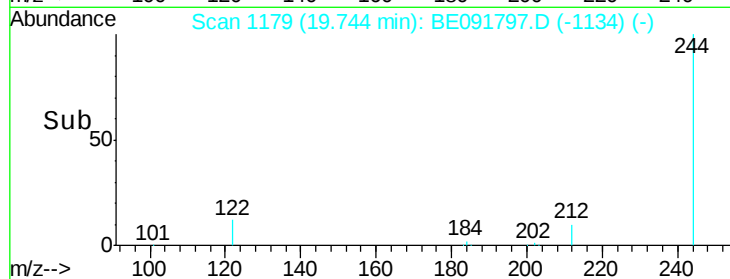
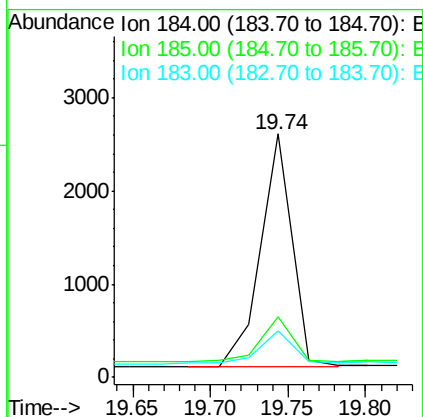
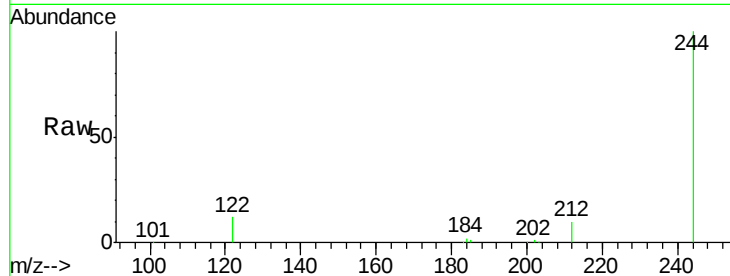




#27
Benzidine
Concen: 0.31 ng
RT: 19.74 min Scan# 1179
Delta R.T. 0.37 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

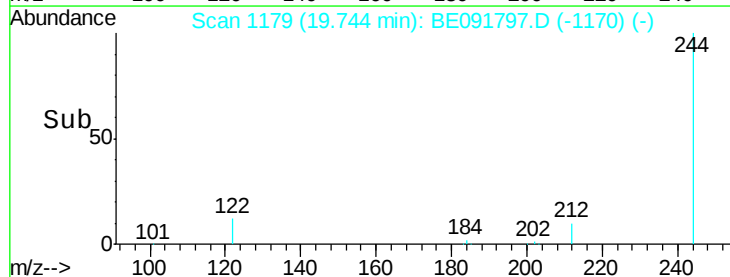
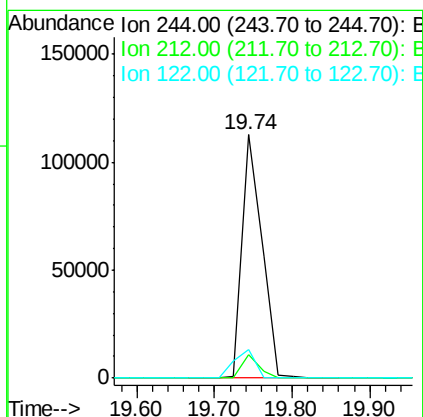
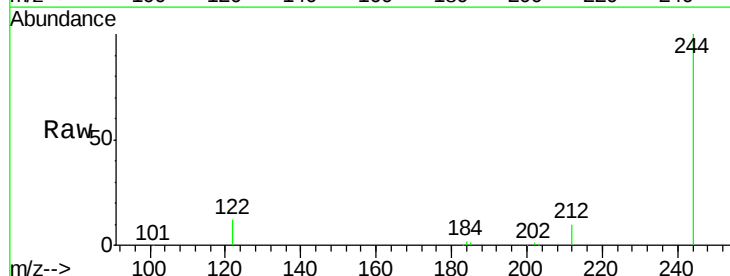
Instrument :
BNA_E
ClientSampleId :
AOC50MW002-160511

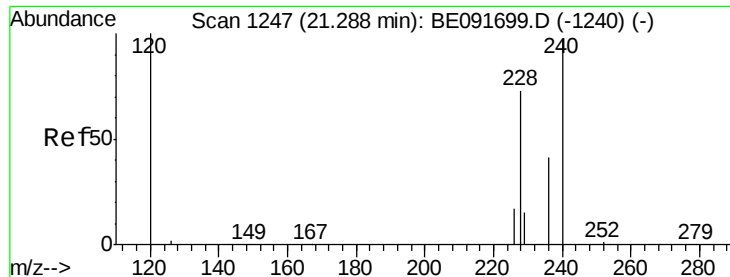
Tgt Ion:184 Resp: 3506
Ion Ratio Lower Upper
184 100
185 24.7 22.3 33.5
183 19.2 16.4 24.6



#29
Terphenyl-d14
Concen: 4.37 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091797.D
Acq: 18 May 2016 20:20

Tgt Ion:244 Resp: 198523
Ion Ratio Lower Upper
244 100
212 9.7 6.9 10.3
122 11.6 11.0 16.4





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

Instrument :

BNA_E

ClientSampleId :

AOC50MW002-160511

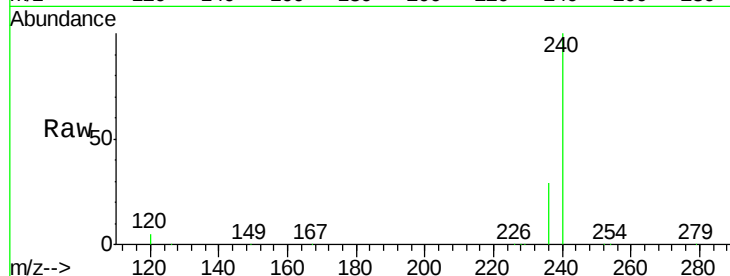
Tgt Ion:228 Resp: 2000

Ion Ratio Lower Upper

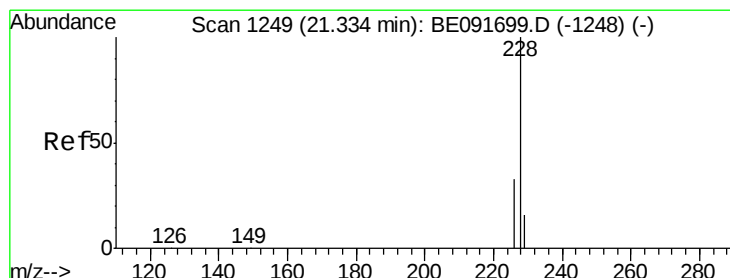
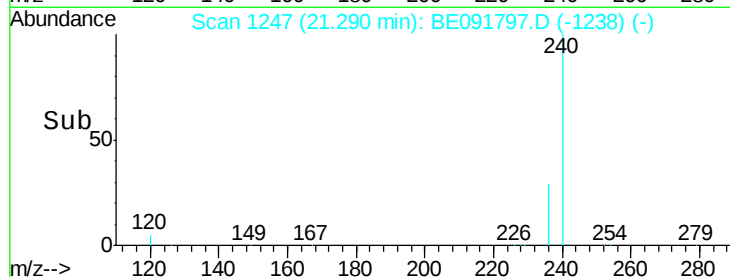
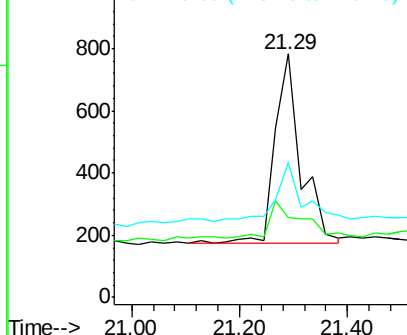
228 100

226 33.0 21.0 31.4#

229 55.2 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Chrysene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091797.D

Acq: 18 May 2016 20:20

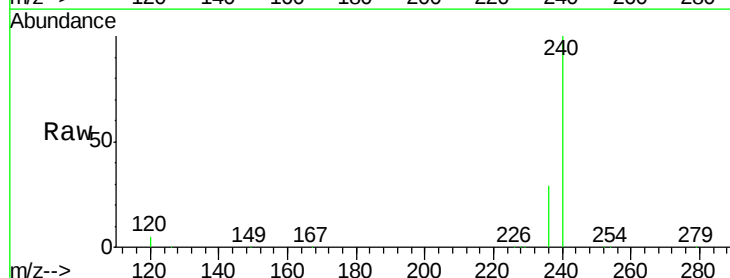
Tgt Ion:228 Resp: 2043

Ion Ratio Lower Upper

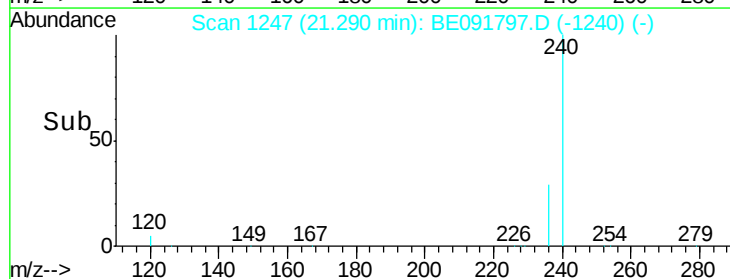
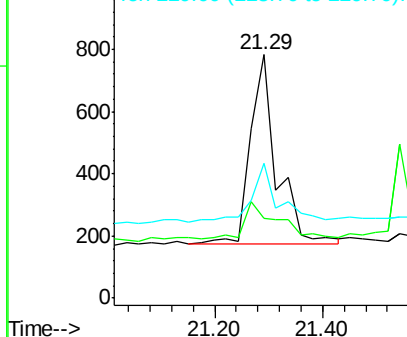
228 100

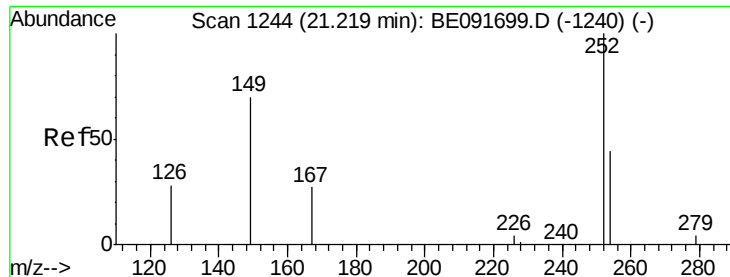
226 33.0 24.0 36.0

229 55.2 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

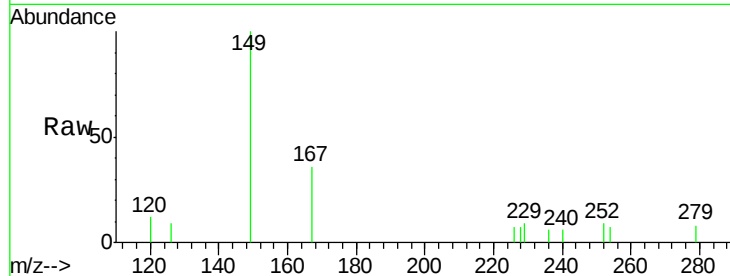




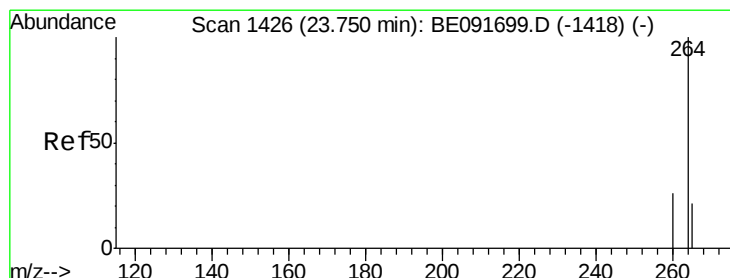
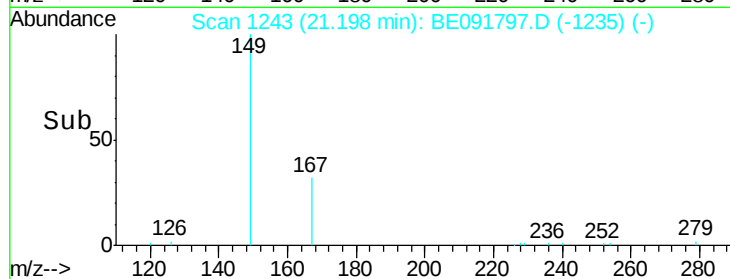
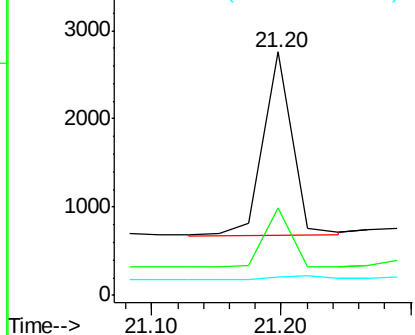
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.15 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091797.D
 Acq: 18 May 2016 20:20

Instrument :
 BNA_E
 ClientSampleId :
 AOC50MW002-160511

Tgt Ion:149 Resp: 3273
 Ion Ratio Lower Upper
 149 100
 167 36.9 19.5 29.3#
 279 0.0 10.0 15.0#

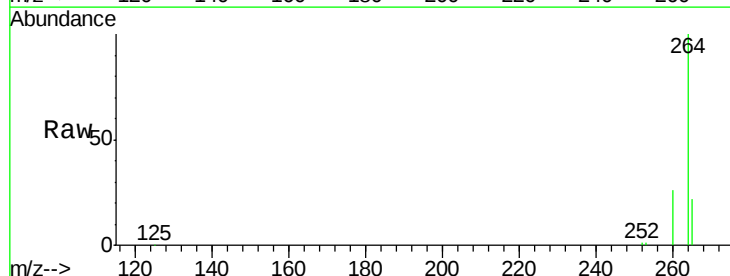


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091797.D
 Acq: 18 May 2016 20:20

Tgt Ion:264 Resp: 258261
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.0 30.0
 265 21.6 17.5 26.3



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

