

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093017.D
 Acq On : 12 May 2017 14:34
 Operator : SJ/MA
 Sample : I3079-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-170509

Quant Time: May 12 17:23:40 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	943	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	4017	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	2249	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	6150	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5991	0.40	ng	0.00
34) Perylene-d12	23.69	264	5012	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	493	0.19	ng	0.00
5) Phenol-d6	6.92	99	442	0.14	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1651	0.52	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1956	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	292	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	4003	0.45	ng	0.00
25) Fluoranthene-d10	19.14	212	5041	0.31	ng	-0.02
29) Terphenyl-d14	19.74	244	7166	0.67	ng	0.00

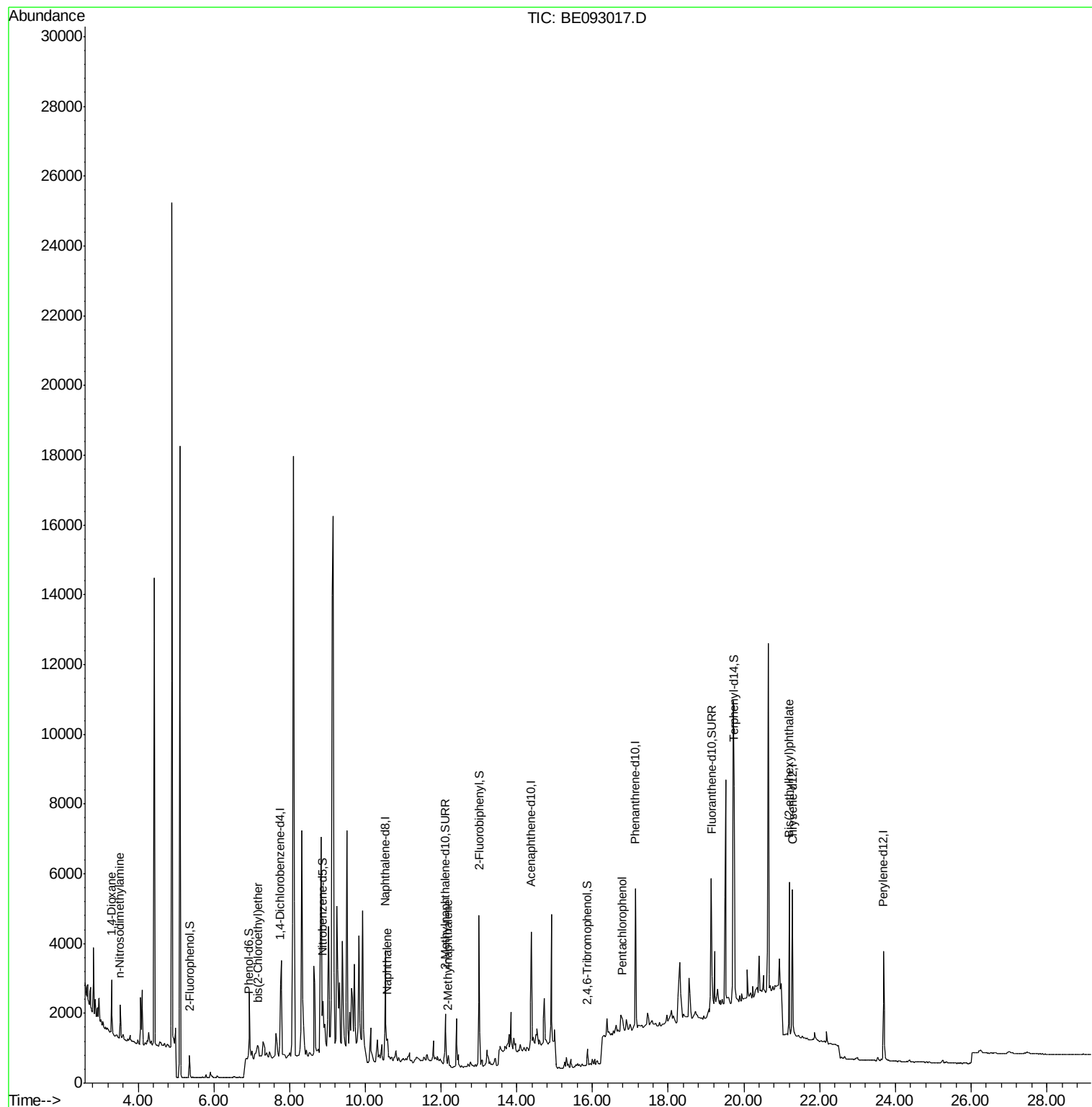
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	798	0.42	ng	# 65
3) n-Nitrosodimethylamine	3.53	42	200	0.12	ng	# 1
6) bis(2-Chloroethyl)ether	7.18	93	326	0.10	ng	# 97
9) Naphthalene	10.58	128	845	0.08	ng	# 43
12) 2-Methylnaphthalene	12.19	142	255	0.04	ng	# 83
22) Pentachlorophenol	16.79	266	17	0.10	ng	# 82
23) Phenanthrene	17.16	178	154	Below Cal		# 1
32) Bis(2-ethylhexyl)phthalate	21.20	149	4065	0.65	ng	98

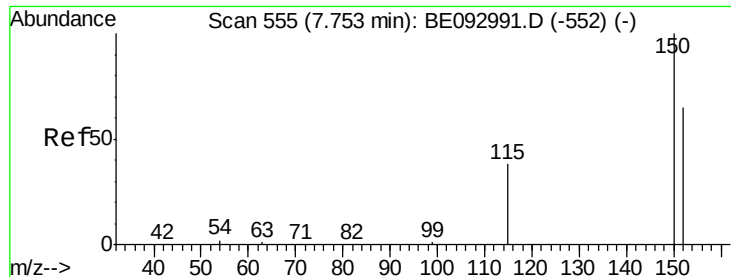
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093017.D

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ClientSampleId :

LF001MW002-170509

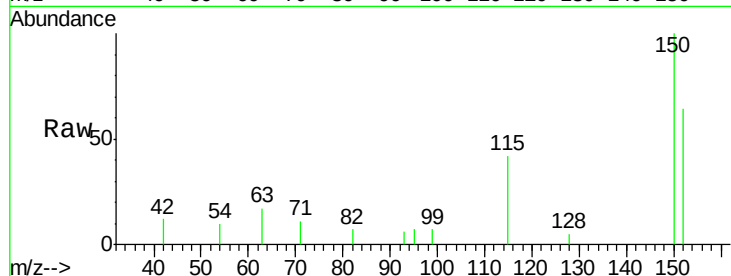
Tgt Ion: 152 Resp: 943

Ion Ratio Lower Upper

152 100

150 157.4 125.1 187.7

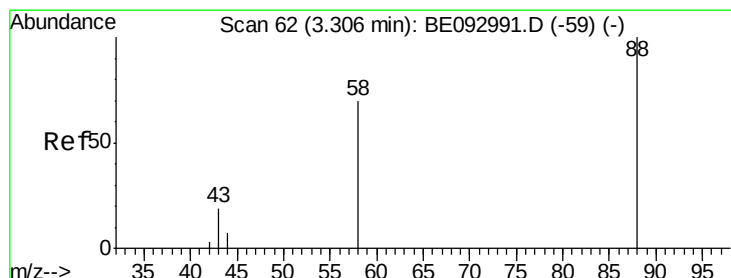
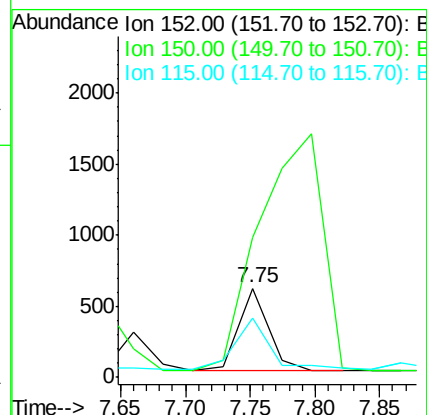
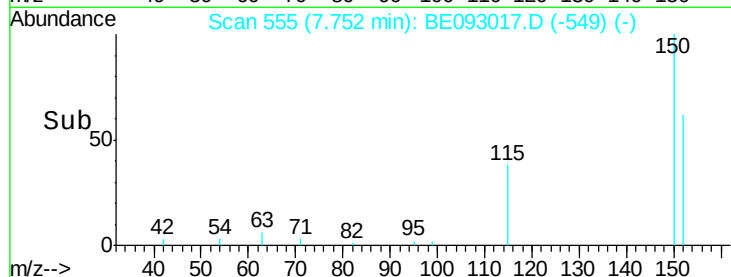
115 66.4 55.7 83.5



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: 0.42 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

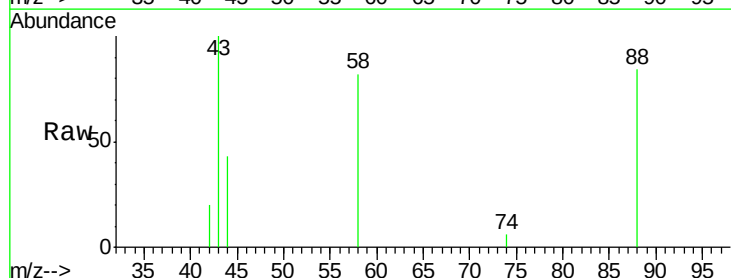
Tgt Ion: 88 Resp: 798

Ion Ratio Lower Upper

88 100

58 87.0 62.2 93.4

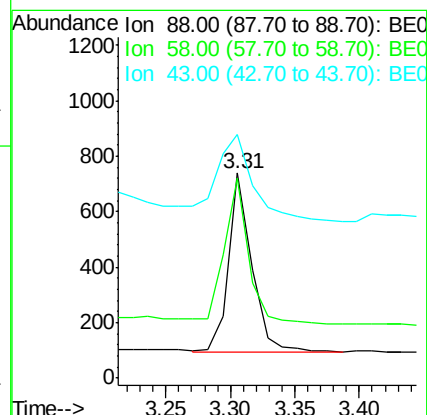
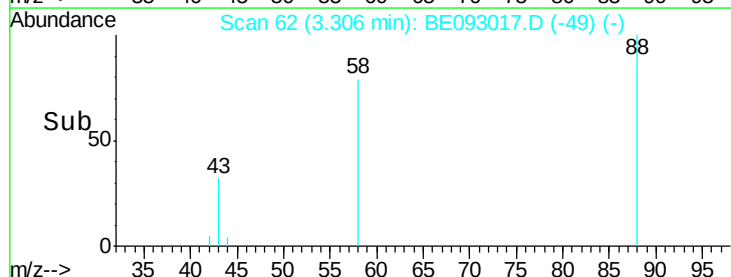
43 83.1 23.2 34.8#

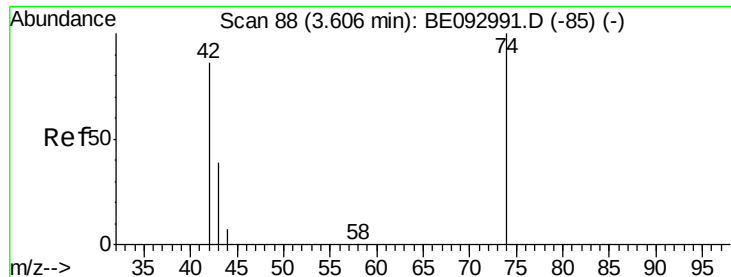


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.53 min Scan# 81

Delta R.T. -0.08 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

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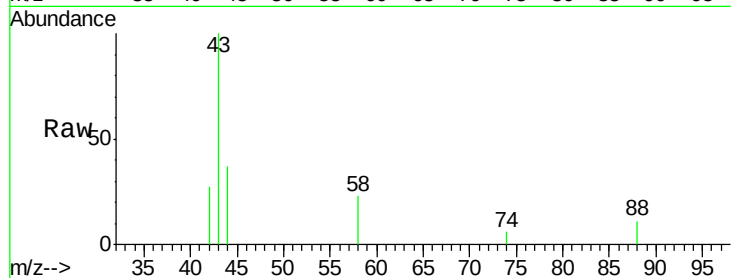
Tgt Ion: 42 Resp: 200

Ion Ratio Lower Upper

42 100

74 2.5 99.1 148.7#

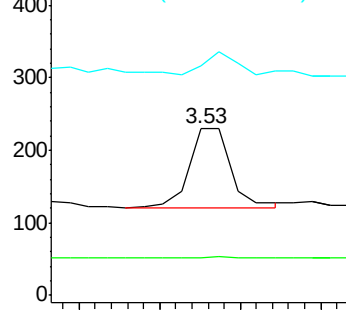
44 80.0 7.4 11.2#



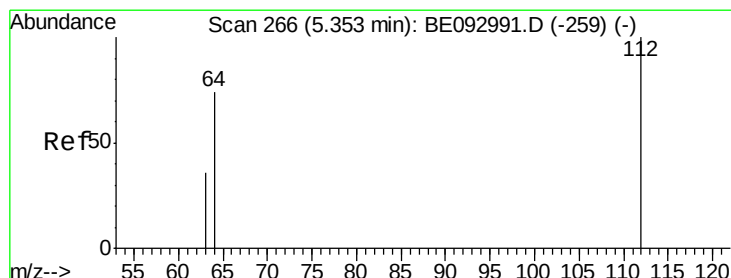
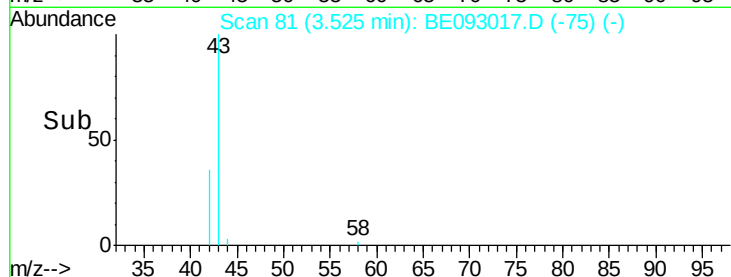
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.19 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

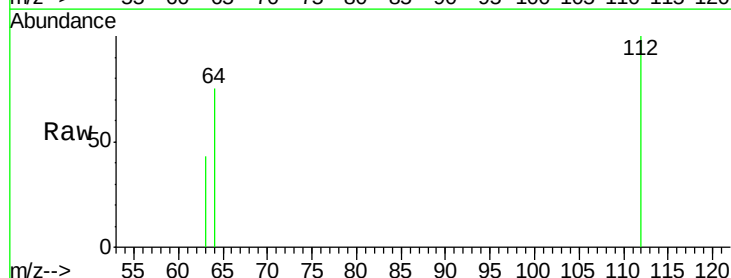
Tgt Ion: 112 Resp: 493

Ion Ratio Lower Upper

112 100

64 66.5 56.4 84.6

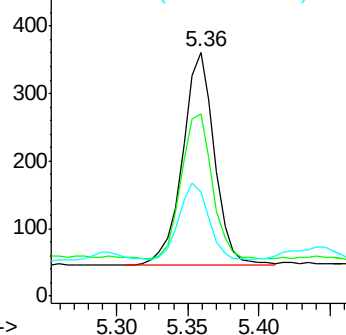
63 33.3 29.3 43.9



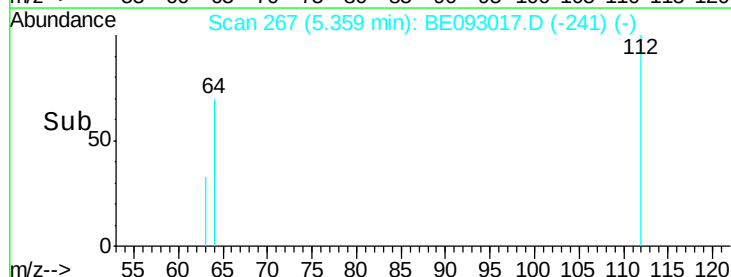
Abundance Ion 112.00 (111.70 to 112.70): E

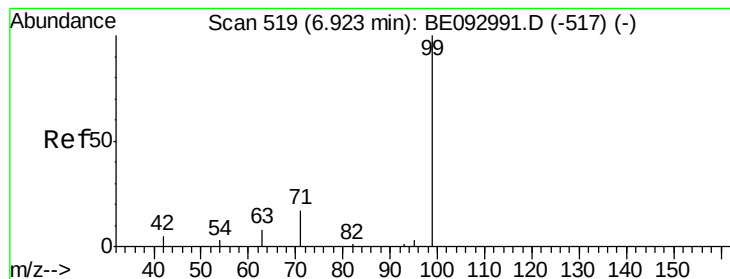
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.14 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

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ClientSampleId :

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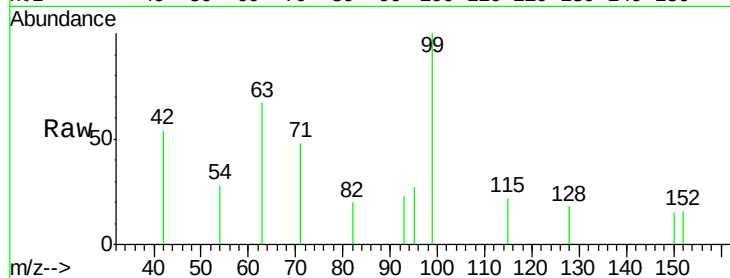
Tgt Ion: 99 Resp: 442

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

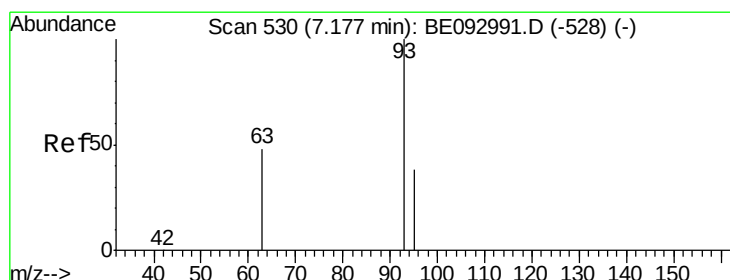
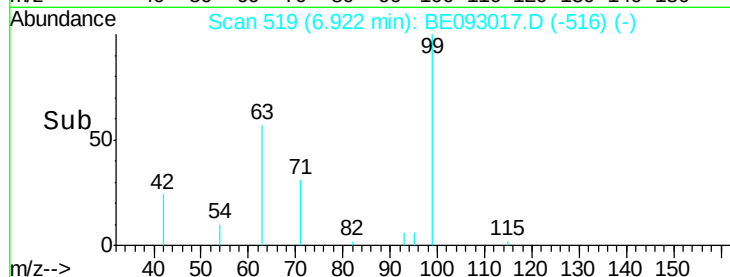
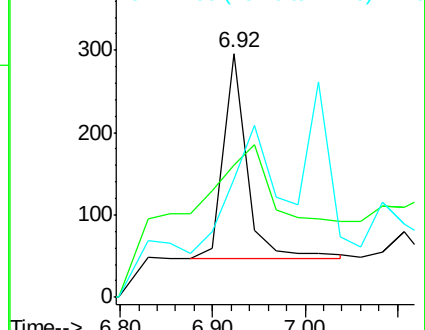
71 0.0 0.0 0.0



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: 0.10 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

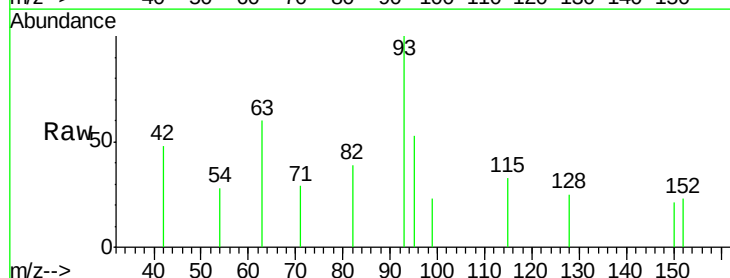
Tgt Ion: 93 Resp: 326

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

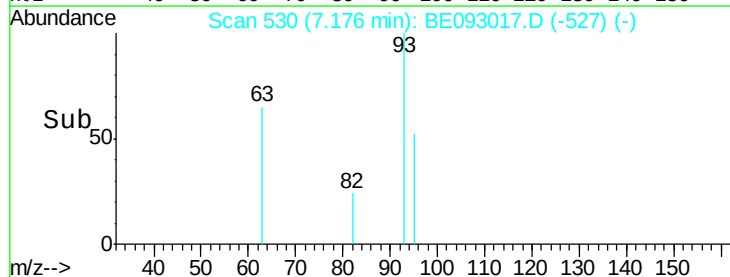
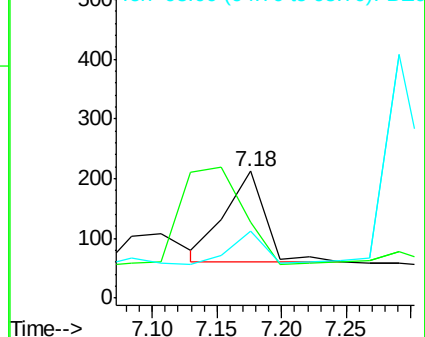
95 33.1 25.4 38.0

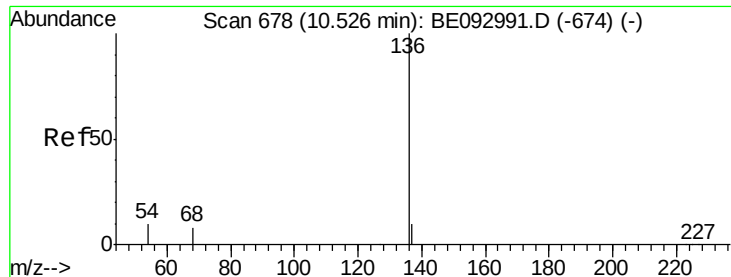


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

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LF001MW002-170509

Tgt Ion: 136 Resp: 4017

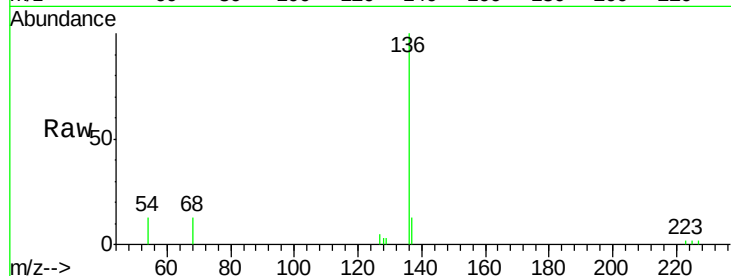
Ion Ratio Lower Upper

136 100

137 13.3 9.8 14.8

54 12.8 10.3 15.5

68 12.7 9.0 13.4

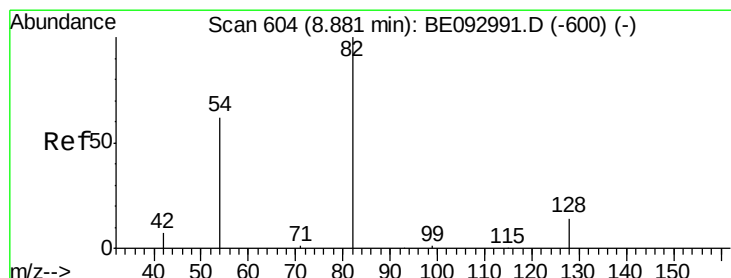
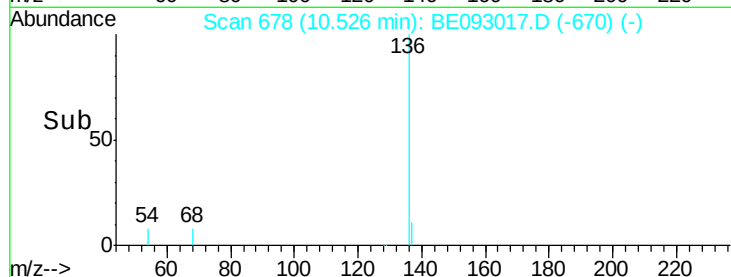
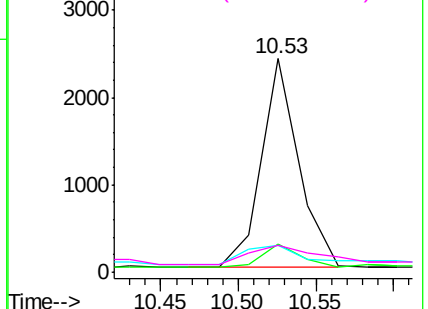


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.52 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

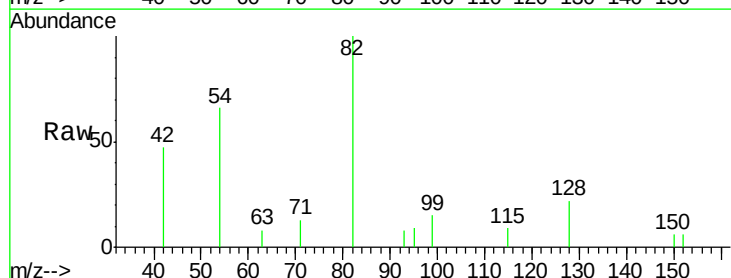
Tgt Ion: 82 Resp: 1651

Ion Ratio Lower Upper

82 100

128 21.7 17.0 25.4

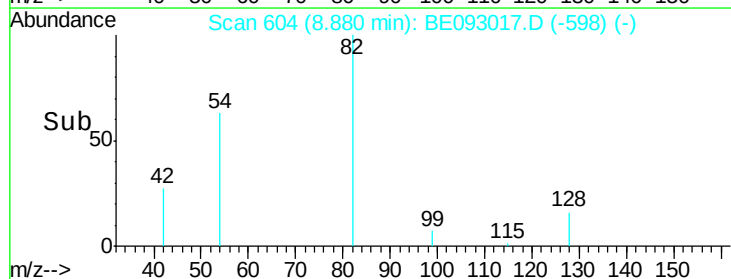
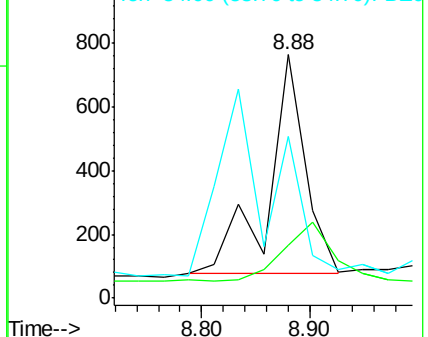
54 66.3 53.8 80.6

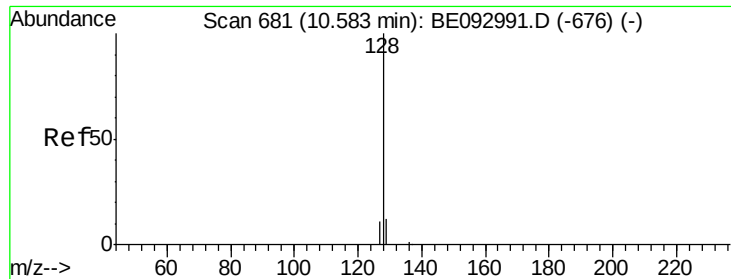


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.08 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

BNA_E

ClientSampleId :

LF001MW002-170509

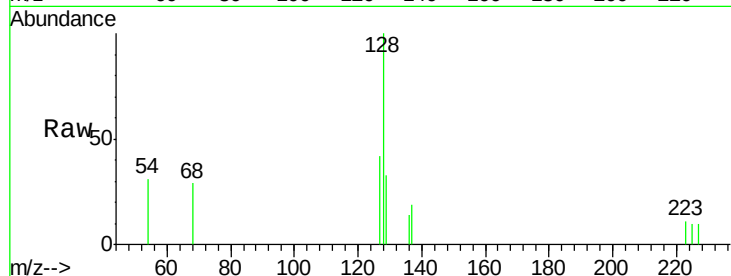
Tgt Ion:128 Resp: 845

Ion Ratio Lower Upper

128 100

129 33.0 11.4 17.0#

127 41.6 11.2 16.8#



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

10.58

400

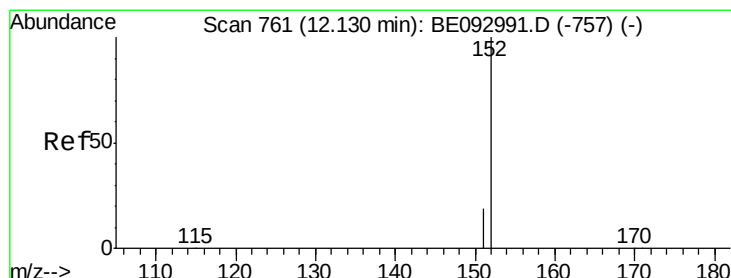
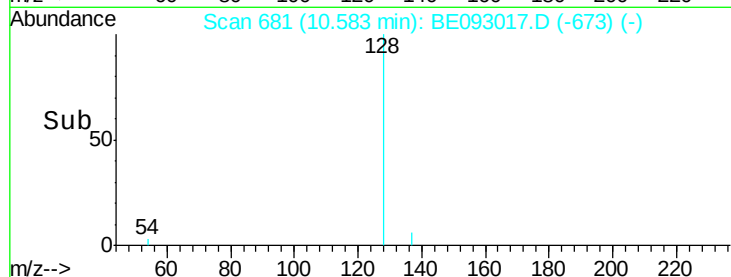
300

200

100

0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093017.D

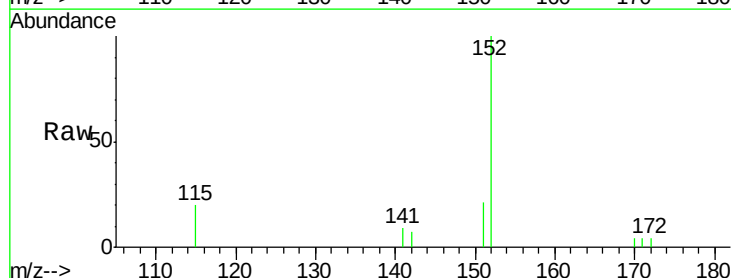
Acq: 12 May 2017 14:34

Tgt Ion:152 Resp: 1956

Ion Ratio Lower Upper

152 100

151 23.7 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

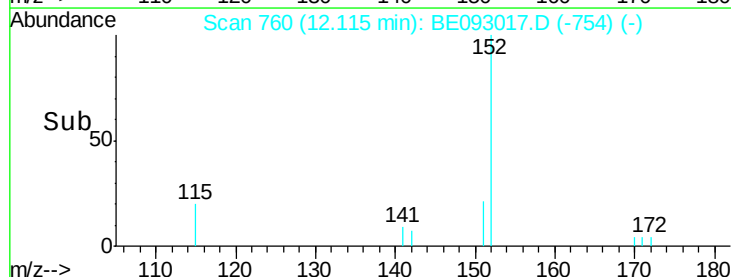
12.11

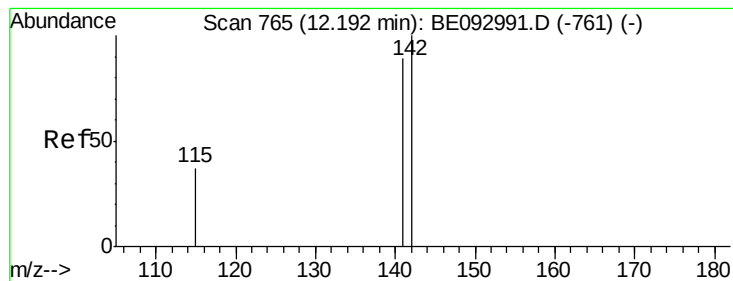
1000

500

0

Time-->





#12

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

BNA_E

ClientSampleId :

LF001MW002-170509

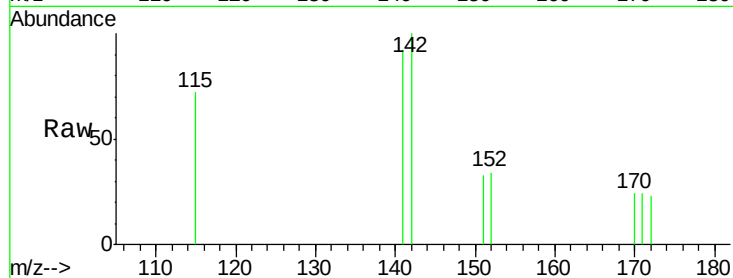
Tgt Ion:142 Resp: 255

Ion Ratio Lower Upper

142 100

141 92.0 72.6 108.8

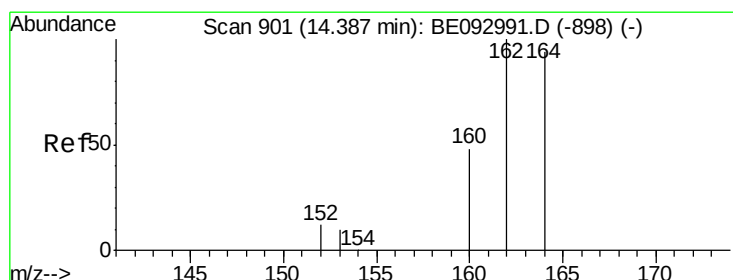
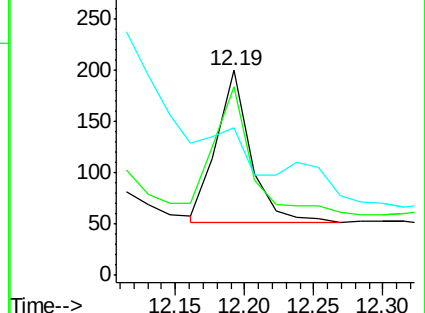
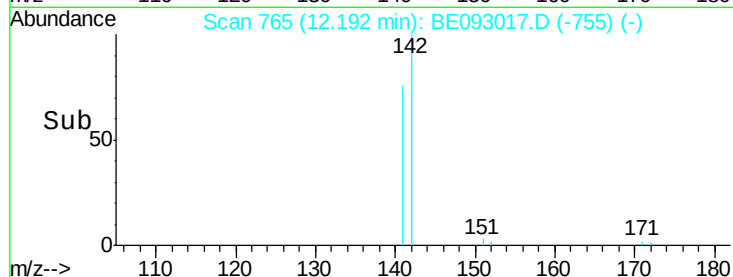
115 72.0 32.2 48.2#



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: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

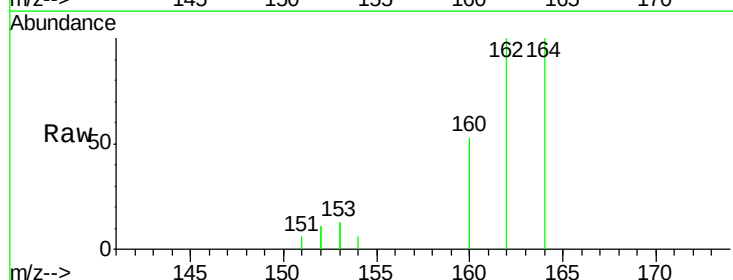
Tgt Ion:164 Resp: 2249

Ion Ratio Lower Upper

164 100

162 100.4 84.6 127.0

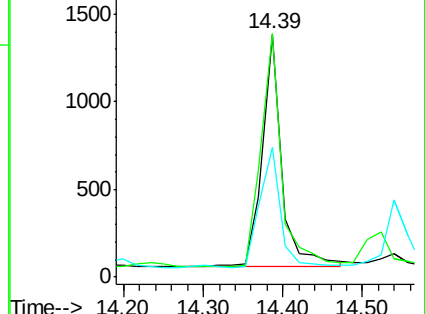
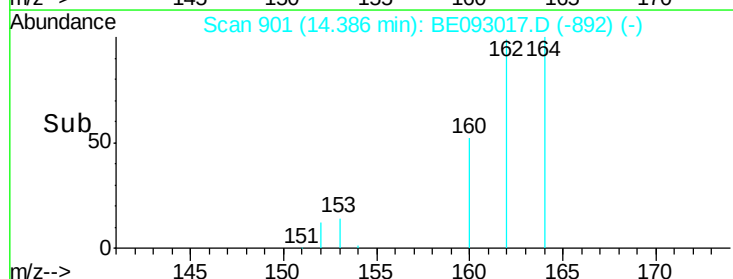
160 53.3 41.8 62.6

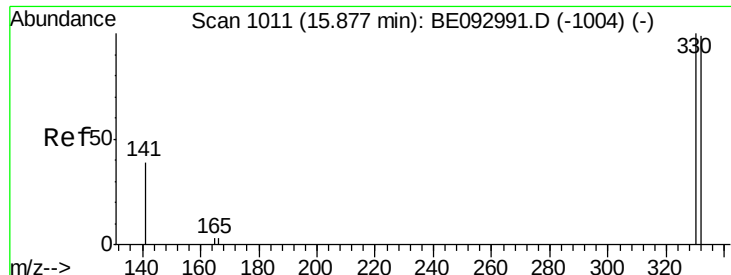


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

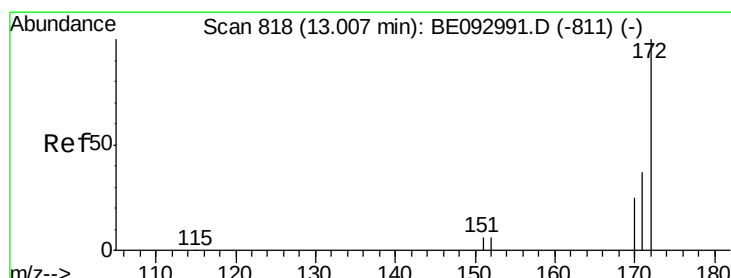
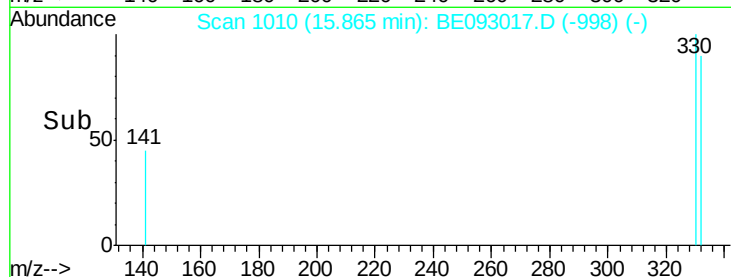
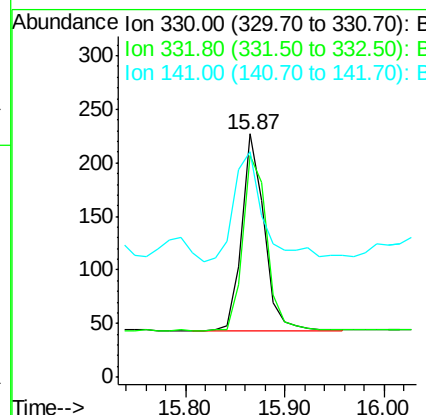
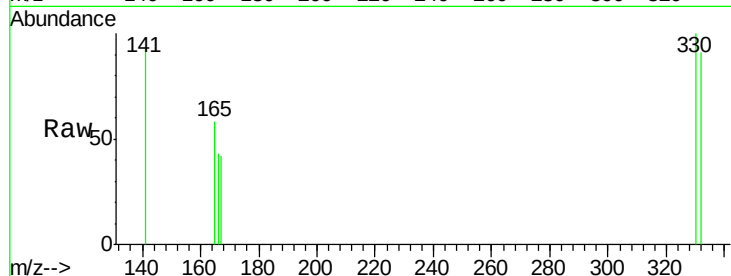




#14
 2,4,6-Tribromophenol
 Concen: 0.48 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093017.D
 Acq: 12 May 2017 14:34

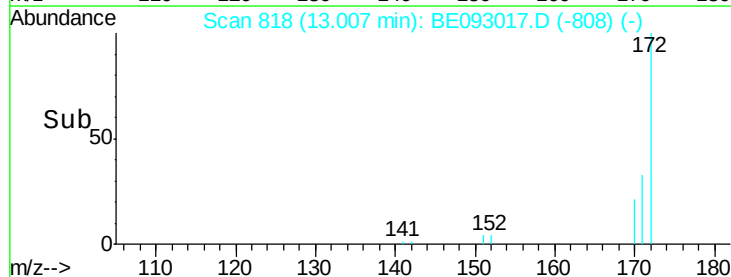
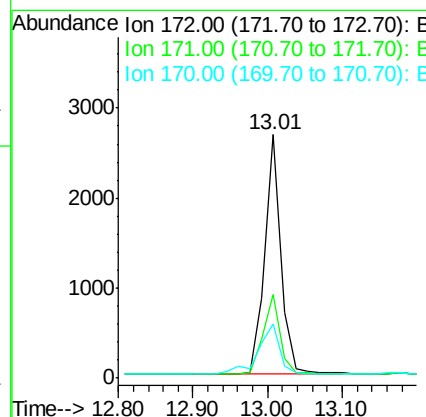
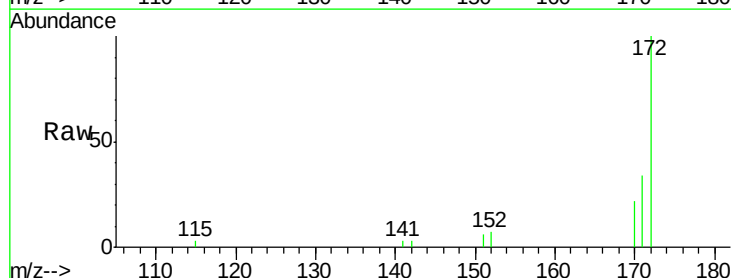
Instrument :
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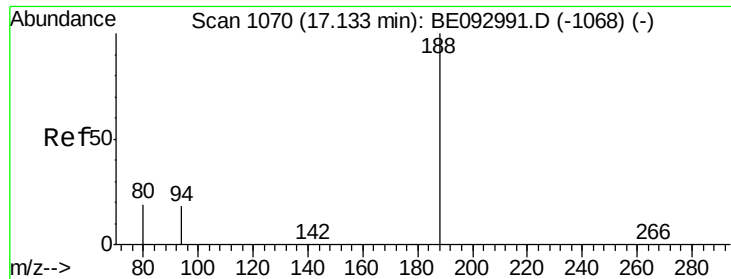
Tgt Ion: 330 Resp: 292
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.7 116.5
 141 75.0 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.45 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093017.D
 Acq: 12 May 2017 14:34

Tgt Ion: 172 Resp: 4003
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.8 44.6
 170 22.3 20.7 31.1

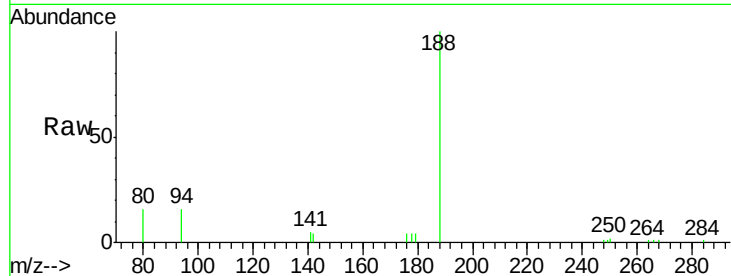




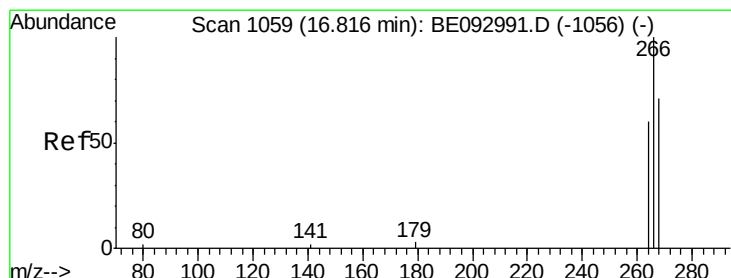
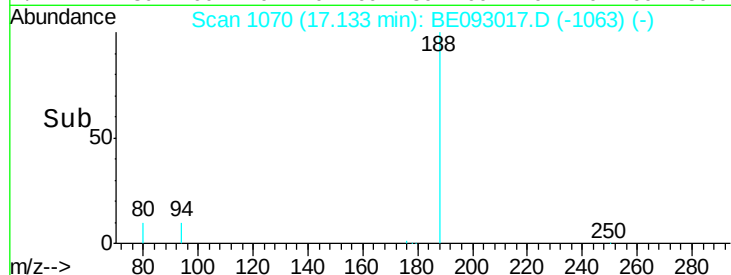
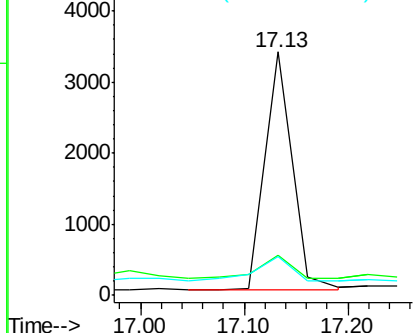
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093017.D
Acq: 12 May 2017 14:34

Instrument :
BNA_E
ClientSampleId :
LF001MW002-170509

Tgt Ion:188 Resp: 6150
Ion Ratio Lower Upper
188 100
94 16.5 11.3 16.9
80 15.8 11.7 17.5

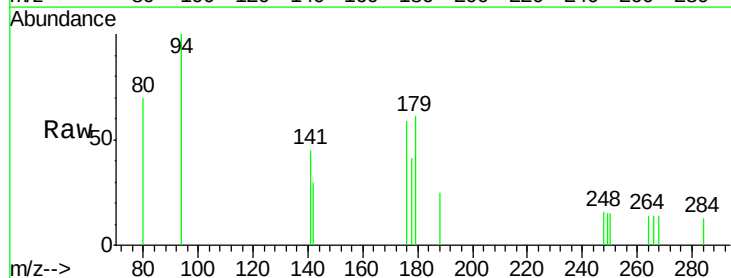


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

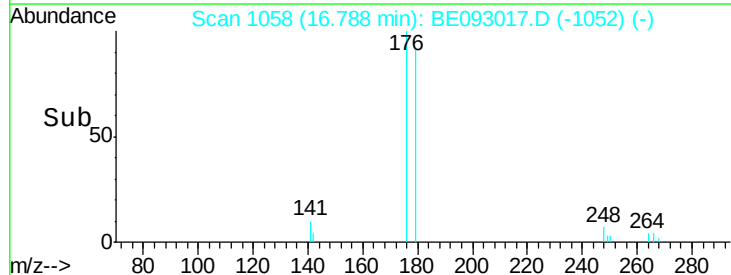
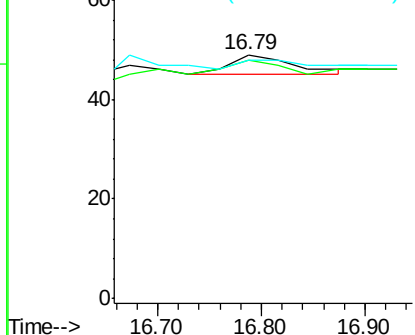


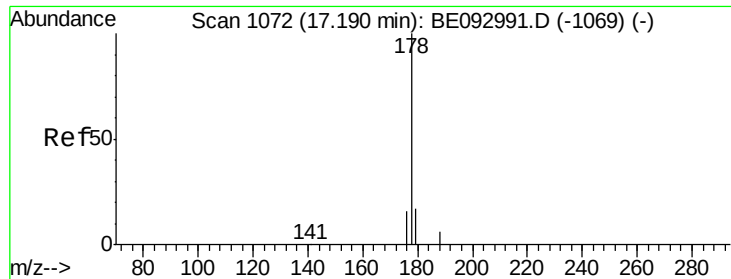
#22
Pentachlorophenol
Concen: 0.10 ng
RT: 16.79 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BE093017.D
Acq: 12 May 2017 14:34

Tgt Ion:266 Resp: 17
Ion Ratio Lower Upper
266 100
264 98.0 58.2 87.2#
268 98.0 71.9 107.9



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





#23

Phenanthrene

Concen: Below Cal

RT: 17.16 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

BNA_E

ClientSampleId :

LF001MW002-170509

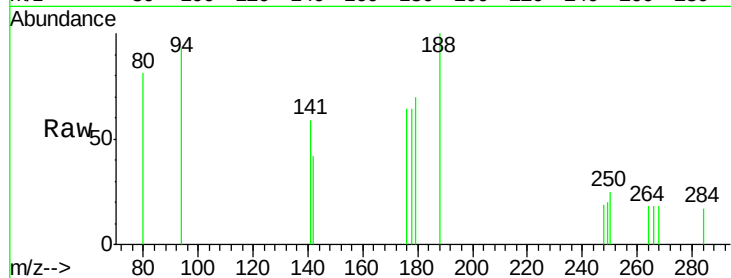
Tgt Ion:178 Resp: 154

Ion Ratio Lower Upper

178 100

176 90.9 15.0 22.4#

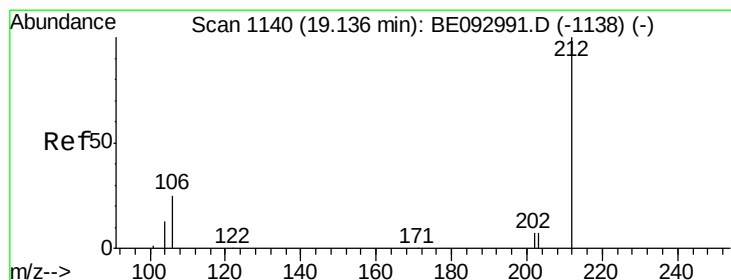
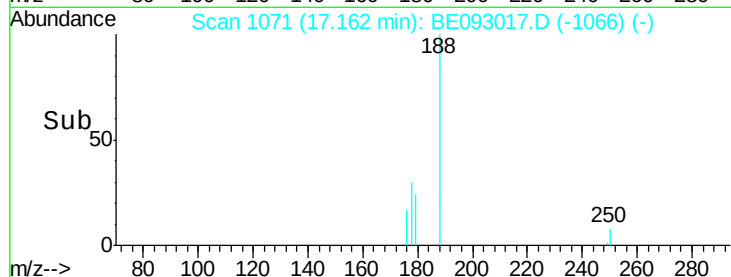
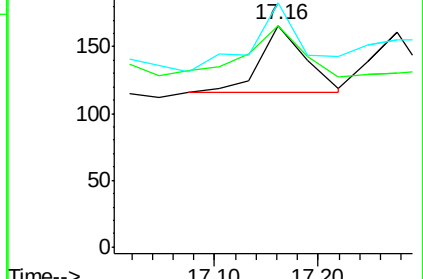
179 116.9 12.7 19.1#



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: 0.31 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

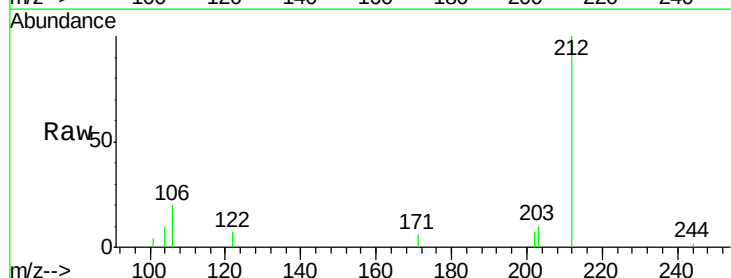
Tgt Ion:212 Resp: 5041

Ion Ratio Lower Upper

212 100

106 17.4 0.0 0.0#

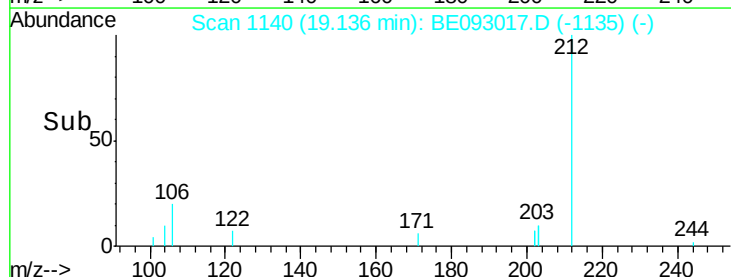
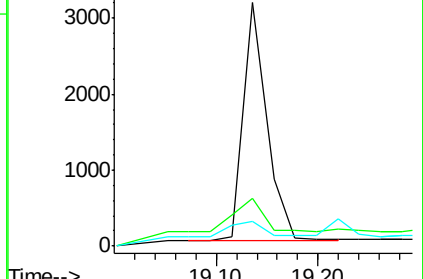
104 9.0 0.0 0.0#

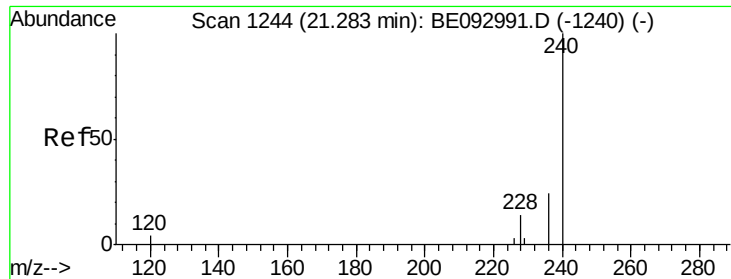


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

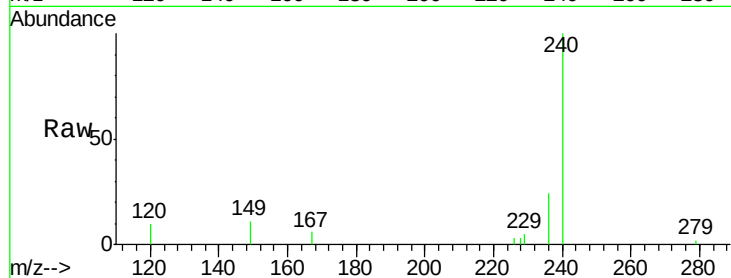
BNA_E

ClientSampleId :

LF001MW002-170509

Tgt Ion:240 Resp: 5991

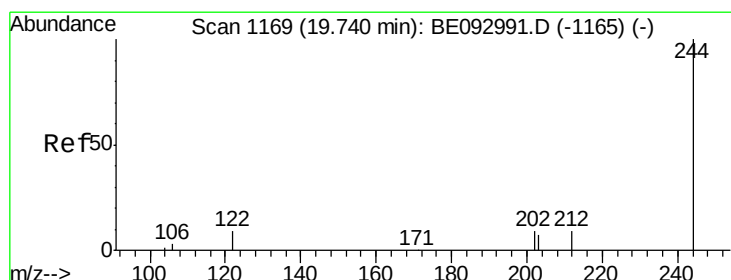
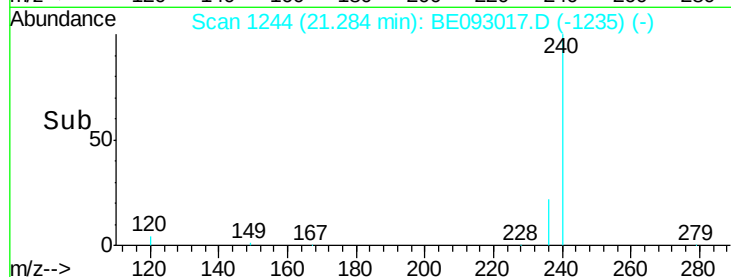
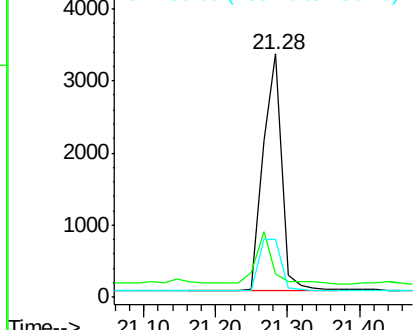
Ion	Ratio	Lower	Upper
240	100		
120	9.8	4.6	7.0#
236	24.0	20.8	31.2



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: 0.67 ng

RT: 19.74 min Scan# 1169

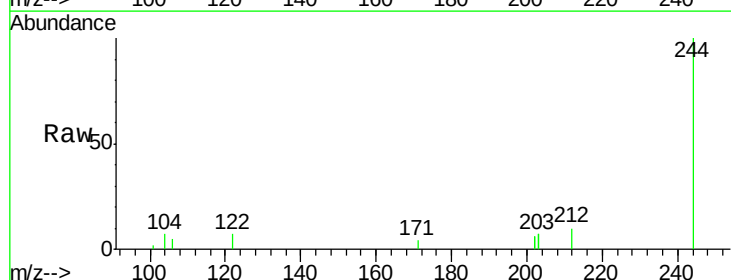
Delta R.T. 0.01 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Tgt Ion:244 Resp: 7166

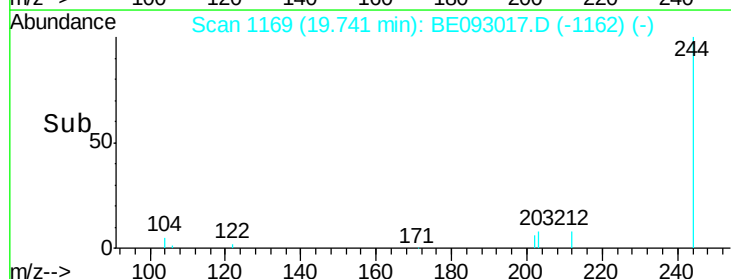
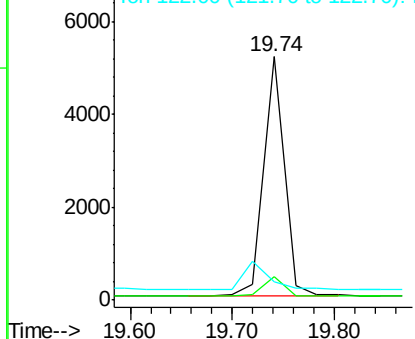
Ion	Ratio	Lower	Upper
244	100		
212	9.6	10.6	16.0#
122	7.5	15.4	23.0#

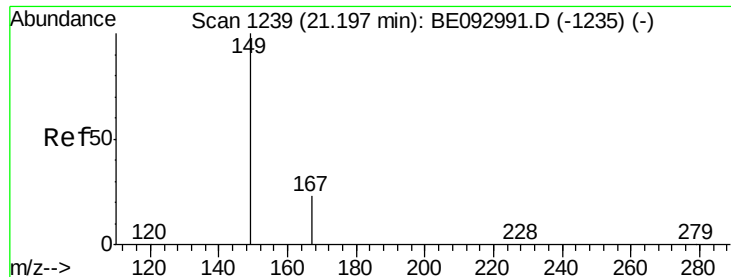


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.65 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

Instrument :

BNA_E

ClientSampleId :

LF001MW002-170509

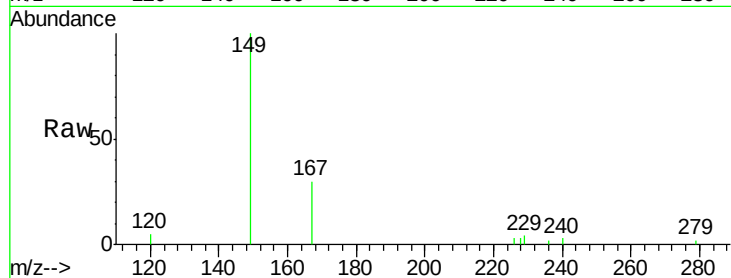
Tgt Ion:149 Resp: 4065

Ion Ratio Lower Upper

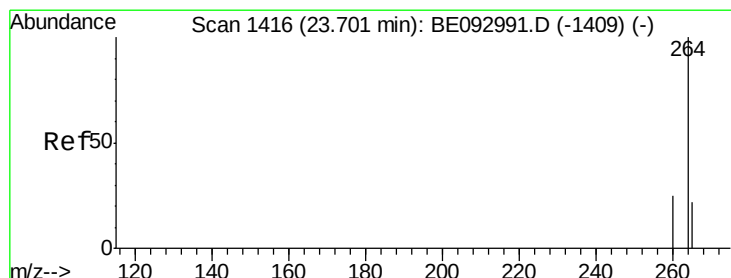
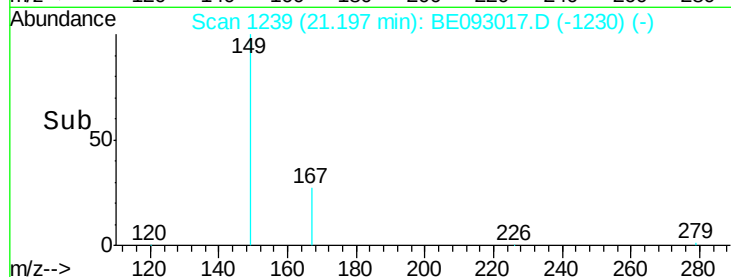
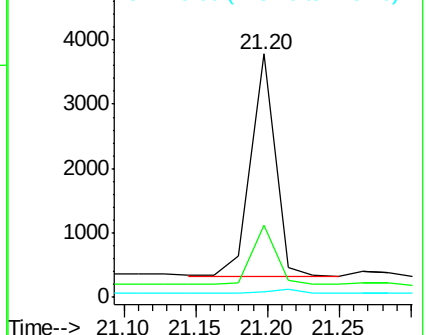
149 100

167 26.3 20.1 30.1

279 2.5 2.2 3.4



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: 0.40 ng

RT: 23.69 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE093017.D

Acq: 12 May 2017 14:34

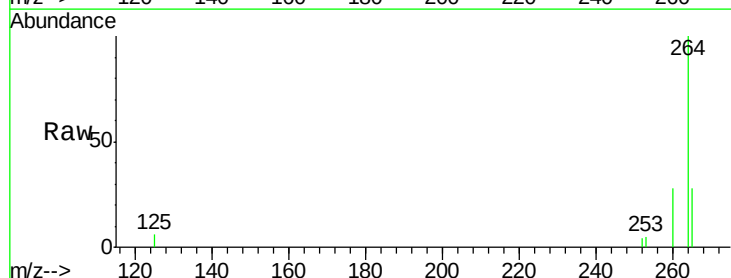
Tgt Ion:264 Resp: 5012

Ion Ratio Lower Upper

264 100

260 27.5 21.0 31.4

265 28.4 24.6 36.8



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

