

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091774.D
 Acq On : 16 May 2016 15:22
 Operator : UM/SJ
 Sample : H3084-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW001-160512

Quant Time: May 17 04:01:01 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

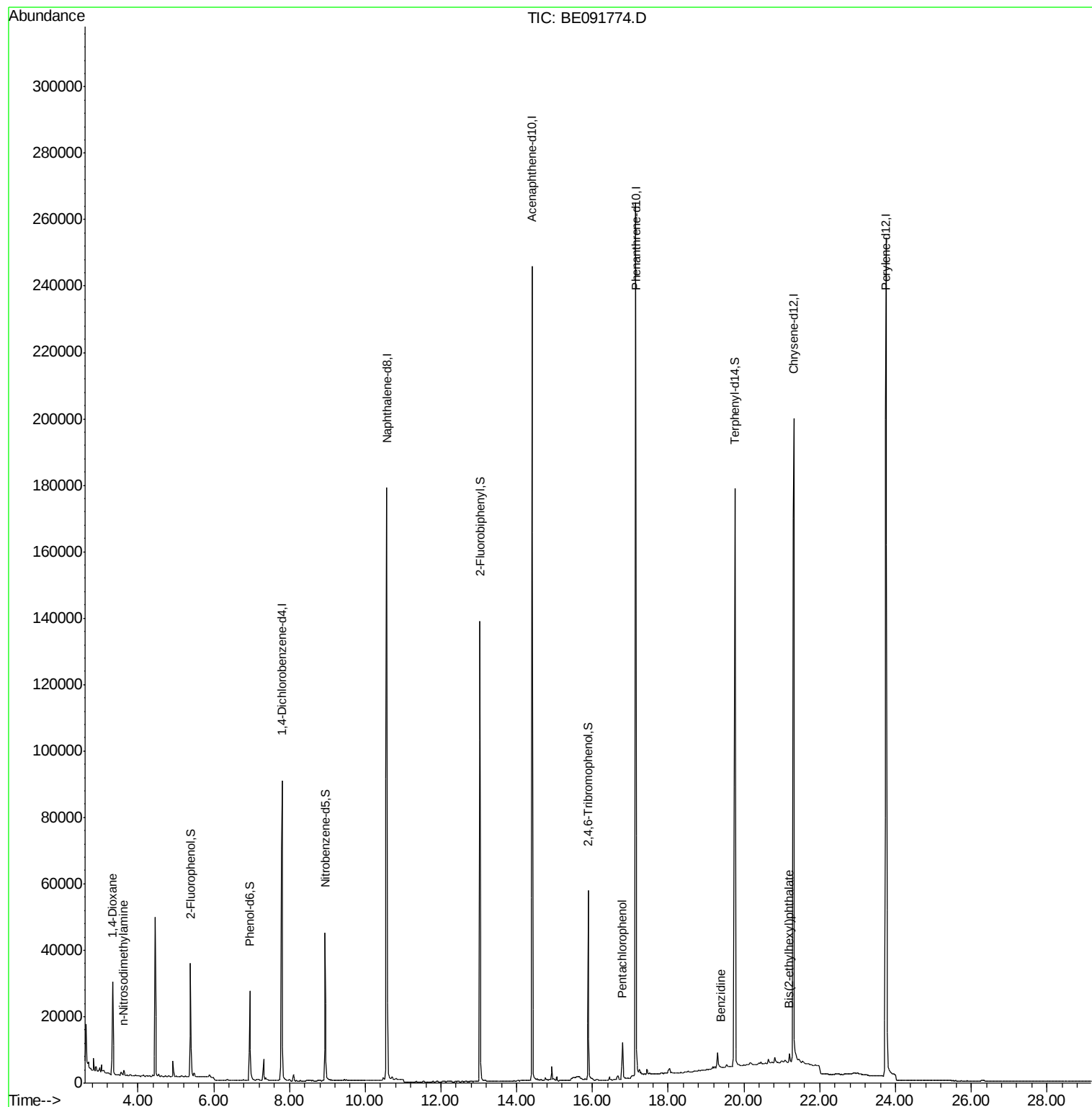
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	55858	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	270990	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	157476	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	418234	5.00	ng	0.00
26) Chrysene-d12	21.31	240	364017	5.00	ng	0.00
35) Perylene-d12	23.75	264	373603	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	28512	2.08	ng	0.00
5) Phenol-d6	6.95	99	31425	1.73	ng	0.00
8) Nitrobenzene-d5	8.95	82	43624	2.49	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	39824	6.82	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	139237	3.13	ng	0.00
29) Terphenyl-d14	19.76	244	250611	4.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	18247	2.76	ng	# 93
3) n-Nitrosodimethylamine	3.63	42	254	0.03	ng	# 2
22) Pentachlorophenol	16.79	266	9220	1.22	ng	89
27) Benzidine	19.38	184	712	0.19	ng	# 1
33) Bis(2-ethylhexyl)phthalate	21.20	149	3537	0.13	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

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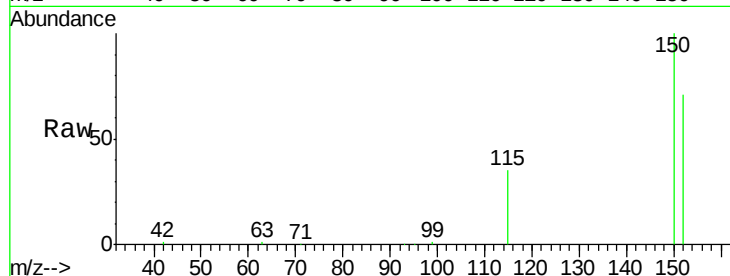
Tgt Ion:152 Resp: 55858

Ion Ratio Lower Upper

152 100

150 140.1 122.6 183.8

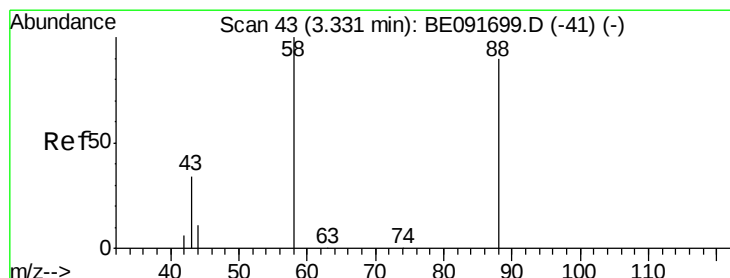
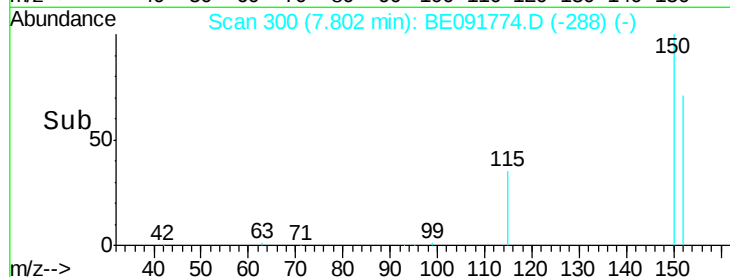
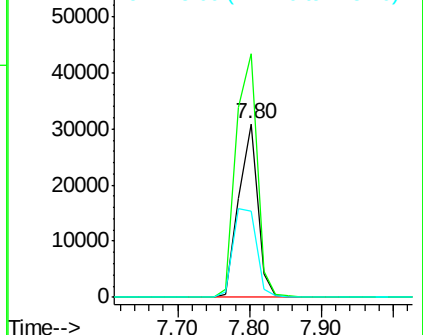
115 49.5 52.8 79.2#



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: 2.76 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

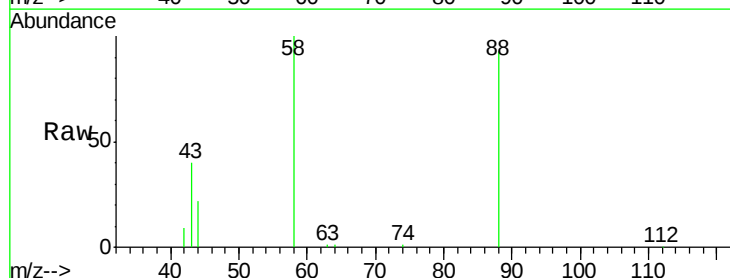
Tgt Ion: 88 Resp: 18247

Ion Ratio Lower Upper

88 100

58 85.7 65.8 98.6

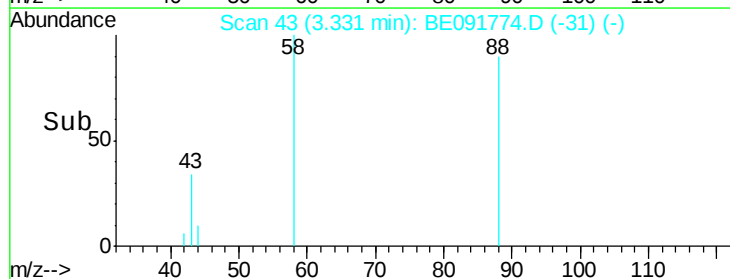
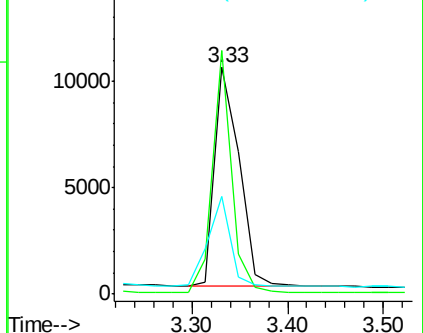
43 39.3 25.3 37.9#

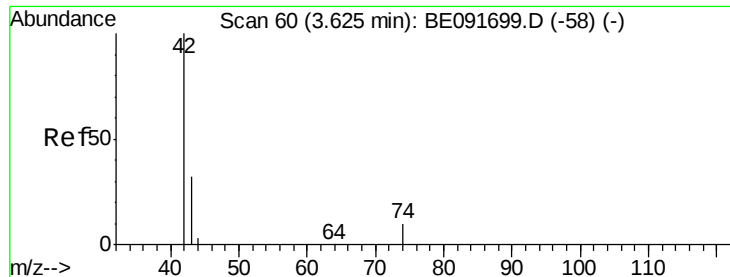


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091774.D

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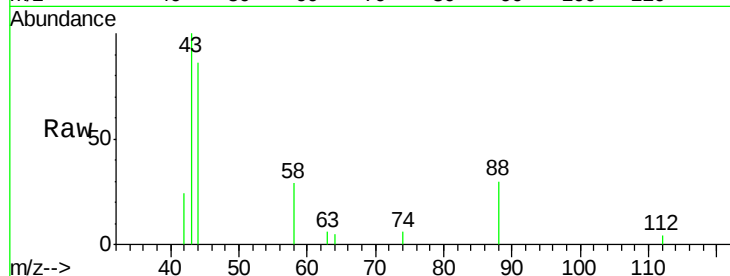
Tgt Ion: 42 Resp: 254

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

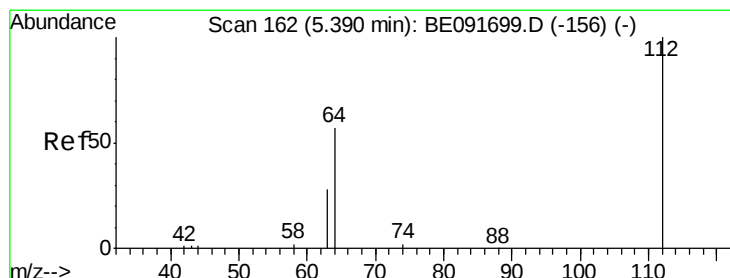
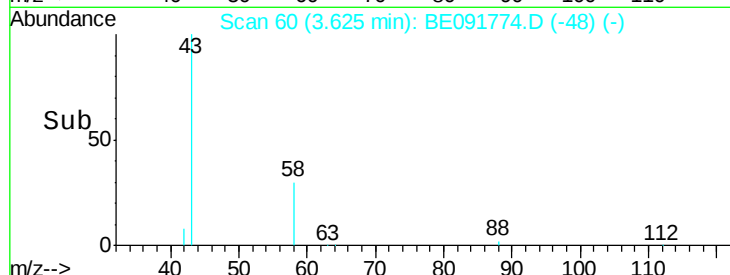
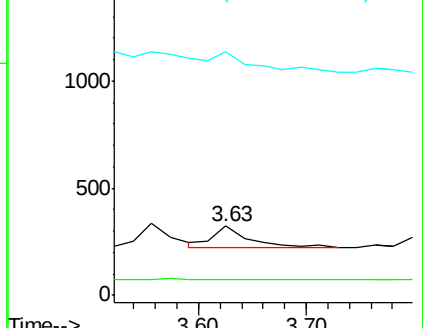
44 0.0 6.6 9.8#



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: 2.08 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

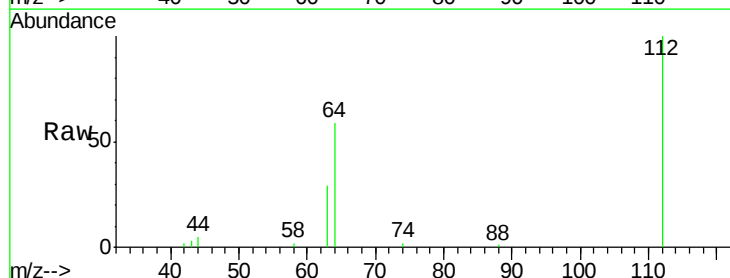
Tgt Ion: 112 Resp: 28512

Ion Ratio Lower Upper

112 100

64 66.2 30.9 46.3#

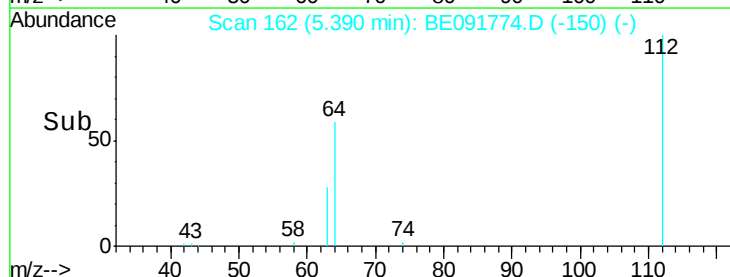
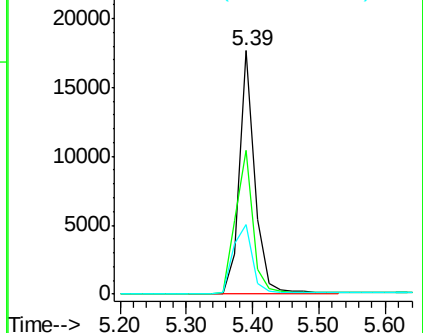
63 35.7 16.7 25.1#

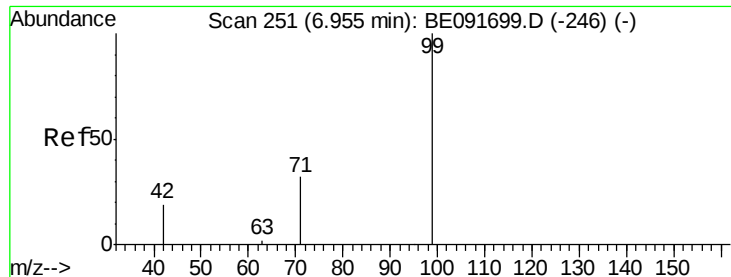


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.73 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

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LF017MW001-160512

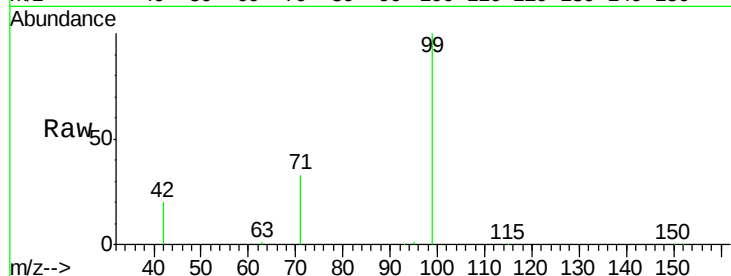
Tgt Ion: 99 Resp: 31425

Ion Ratio Lower Upper

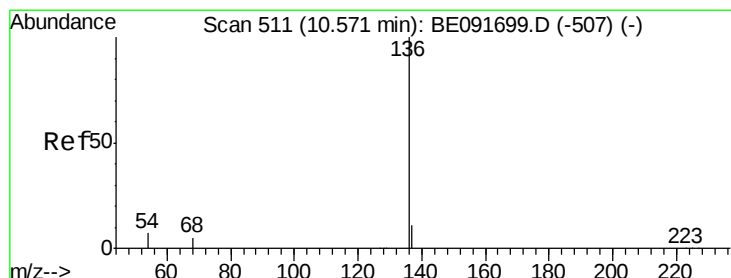
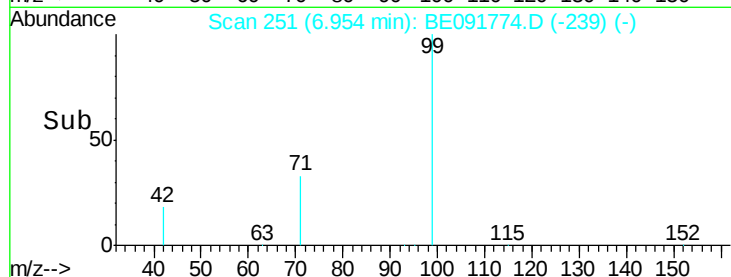
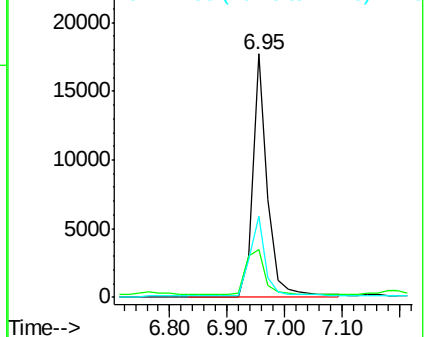
99 100

42 23.9 16.2 24.2

71 35.9 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: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Tgt Ion: 136 Resp: 270990

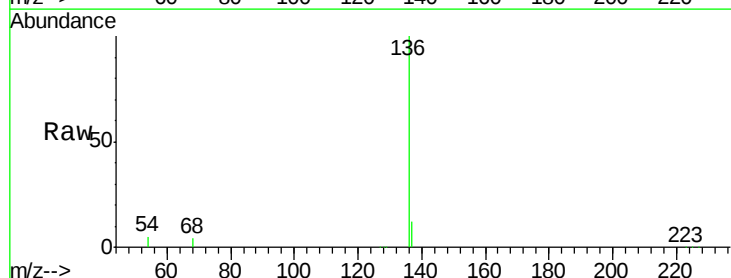
Ion Ratio Lower Upper

136 100

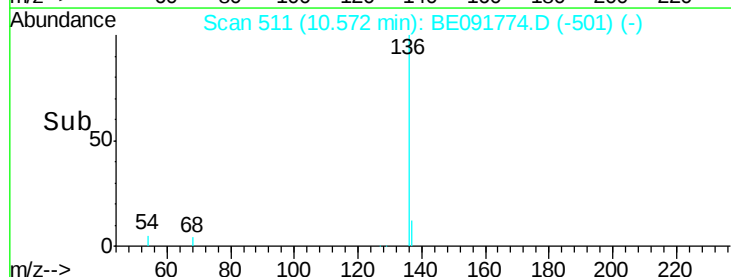
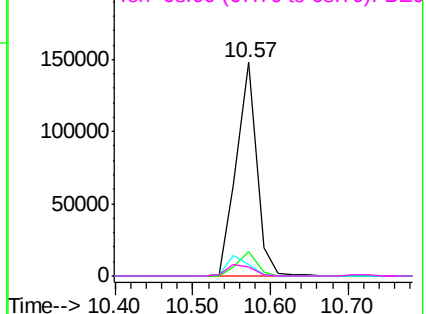
137 11.5 8.9 13.3

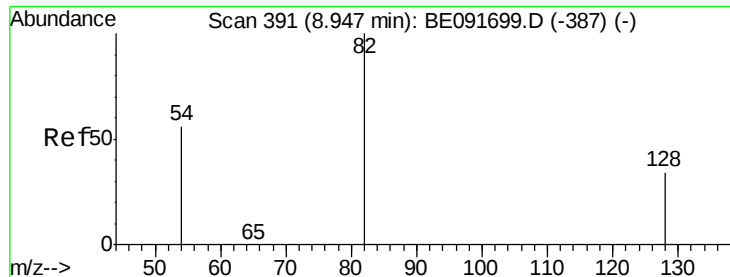
54 5.2 8.2 12.4#

68 4.2 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

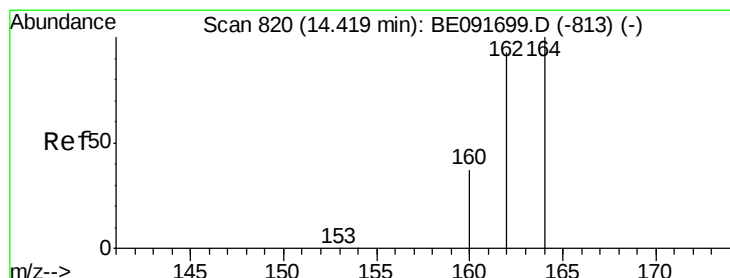
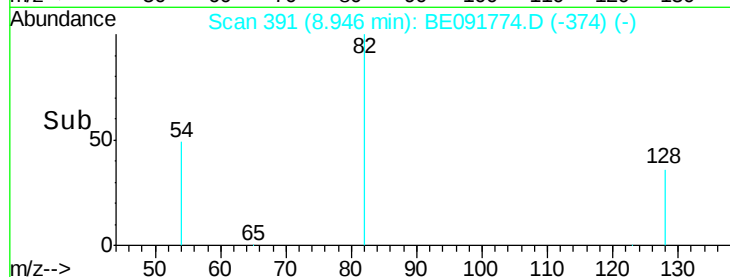
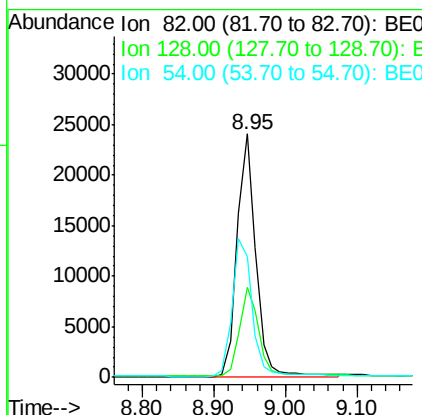
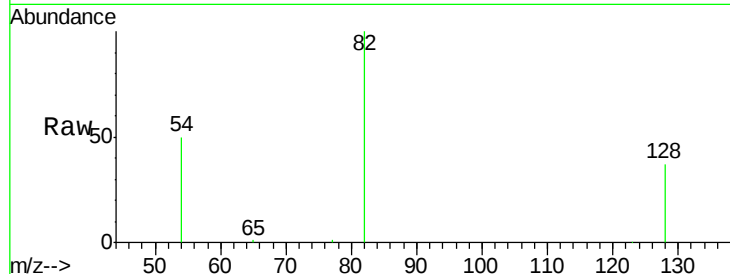




#8
 Nitrobenzene-d5
 Concen: 2.49 ng
 RT: 8.95 min Scan# 391
 Delta R.T. -0.00 min
 Lab File: BE091774.D
 Acq: 16 May 2016 15:22

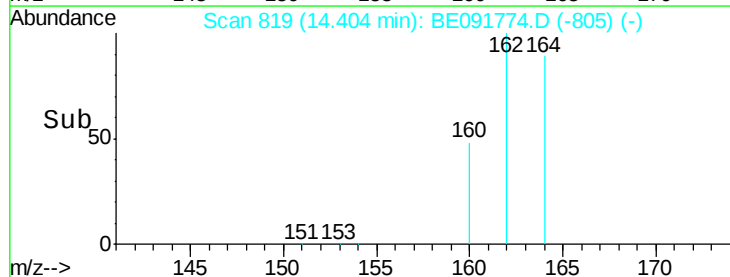
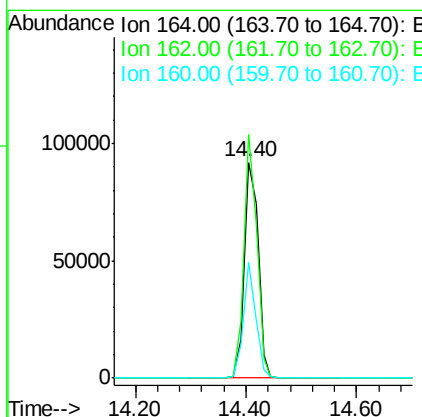
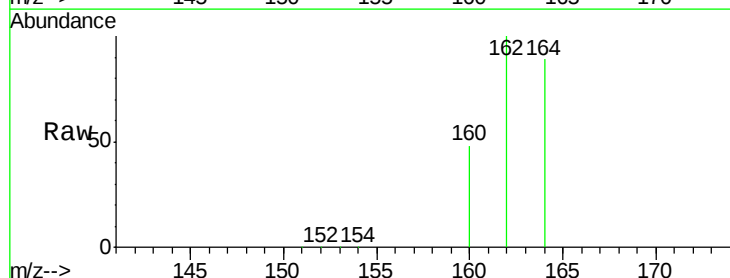
Instrument :
 BNA_E
 ClientSampleId :
 LF017MW001-160512

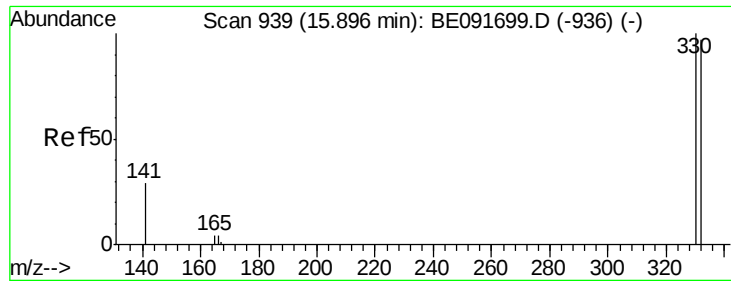
Tgt Ion: 82 Resp: 43624
 Ion Ratio Lower Upper
 82 100
 128 37.0 25.4 38.0
 54 49.6 48.4 72.6



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.40 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE091774.D
 Acq: 16 May 2016 15:22

Tgt Ion: 164 Resp: 157476
 Ion Ratio Lower Upper
 164 100
 162 112.8 85.3 127.9
 160 53.7 46.2 69.2

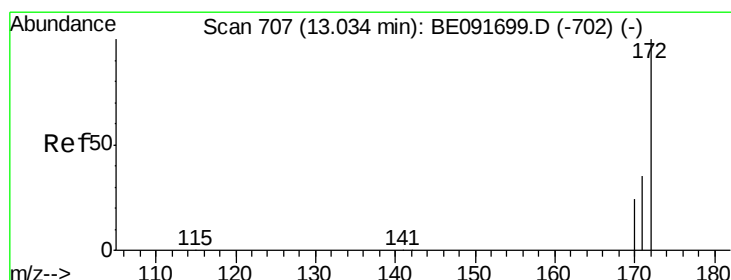
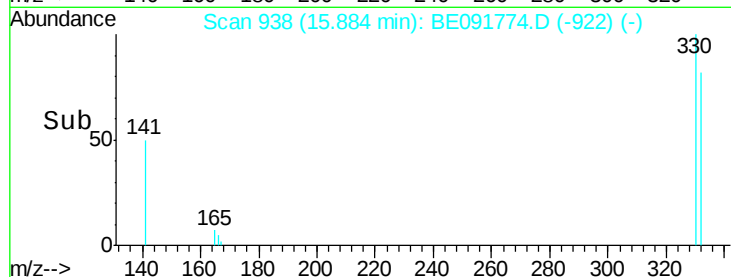
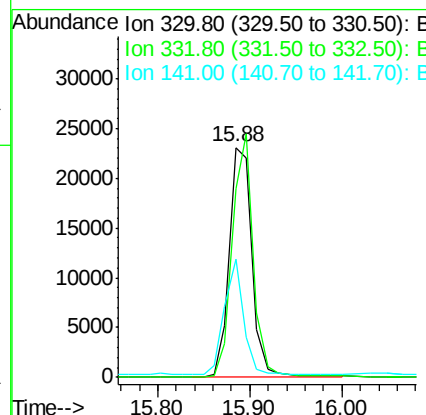
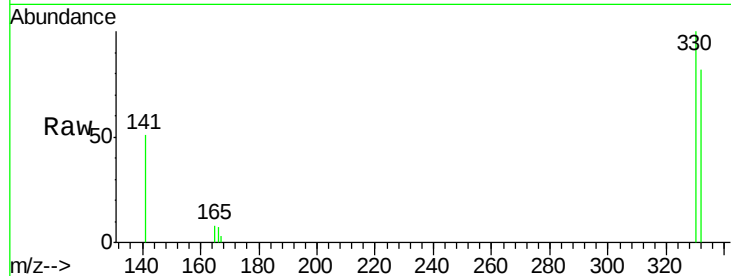




#14
 2,4,6-Tribromophenol
 Concen: 6.82 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091774.D
 Acq: 16 May 2016 15:22

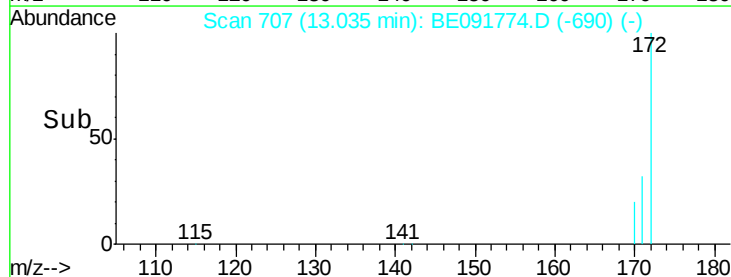
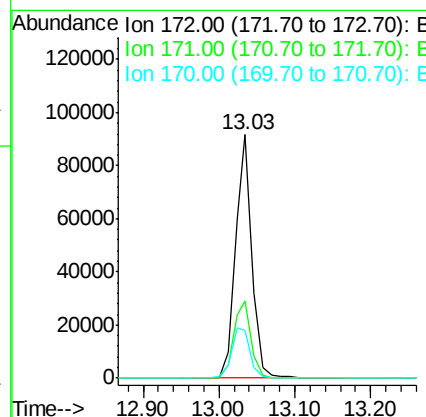
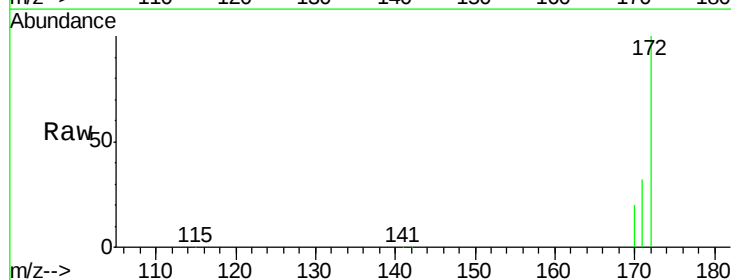
Instrument :
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 LF017MW001-160512

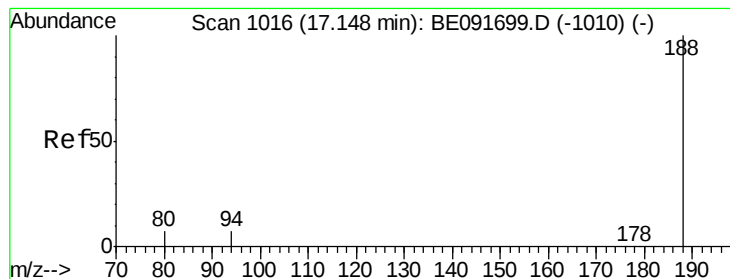
Tgt Ion: 330 Resp: 39824
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.1 118.7
 141 43.1 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.13 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091774.D
 Acq: 16 May 2016 15:22

Tgt Ion: 172 Resp: 139237
 Ion Ratio Lower Upper
 172 100
 171 31.6 28.8 43.2
 170 19.6 19.3 28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

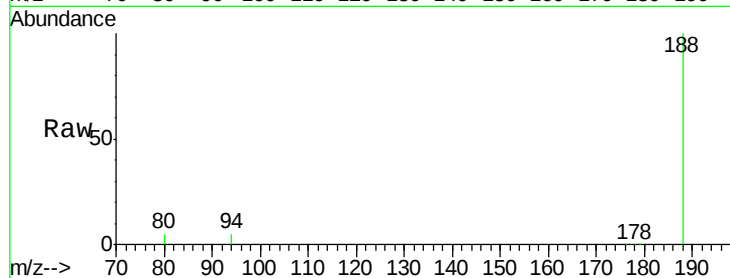
Tgt Ion:188 Resp: 418234

Ion Ratio Lower Upper

188 100

94 5.5 8.7 13.1#

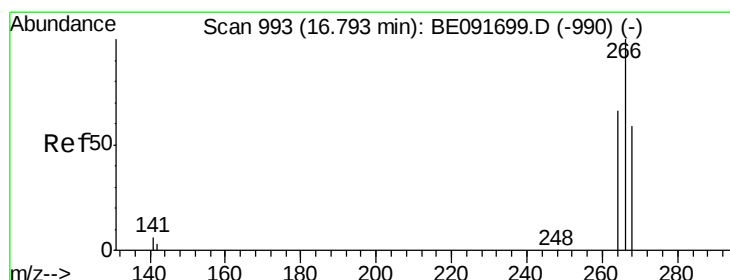
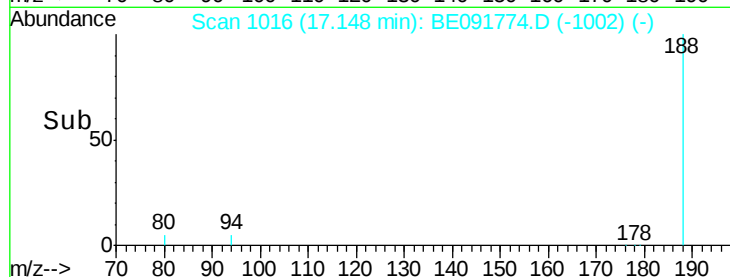
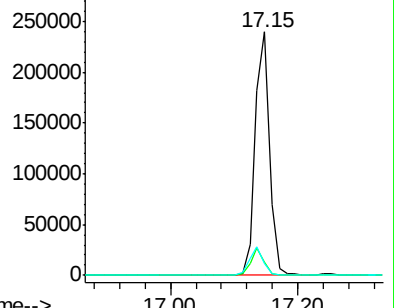
80 4.6 9.4 14.0#



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: 1.22 ng

RT: 16.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

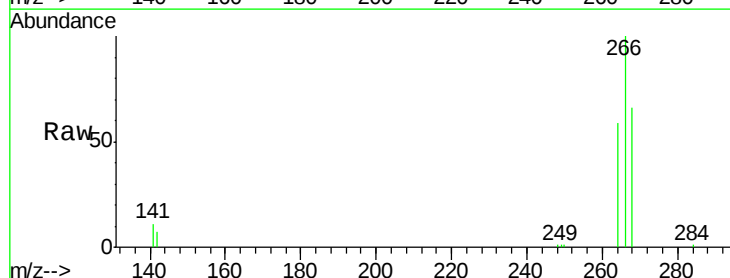
Tgt Ion:266 Resp: 9220

Ion Ratio Lower Upper

266 100

268 66.1 58.2 87.2

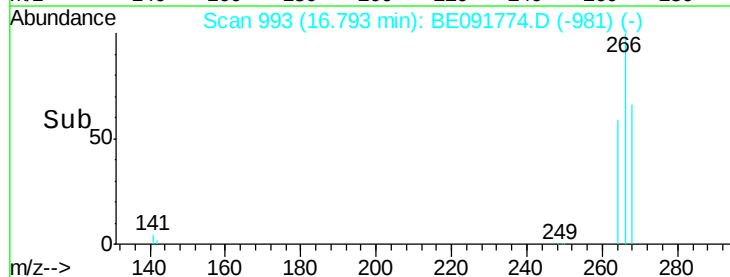
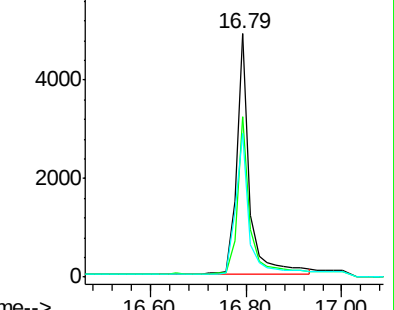
264 59.0 56.2 84.4

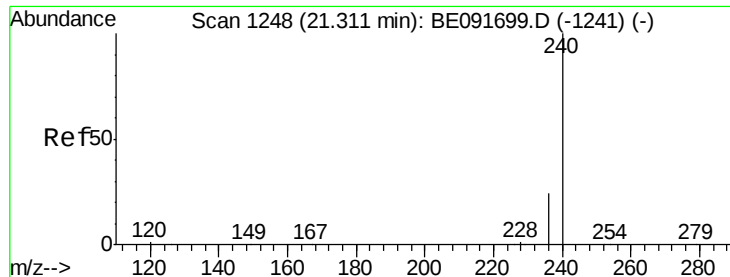


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

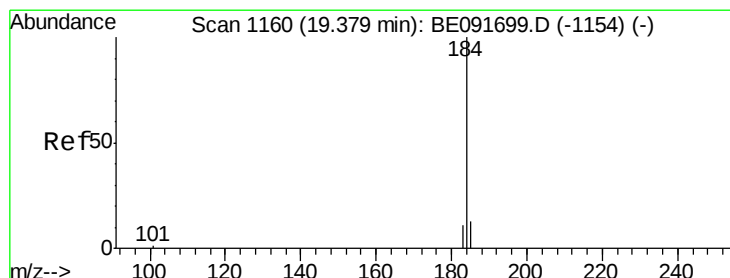
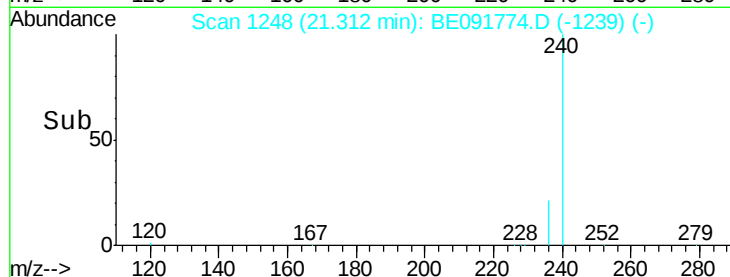
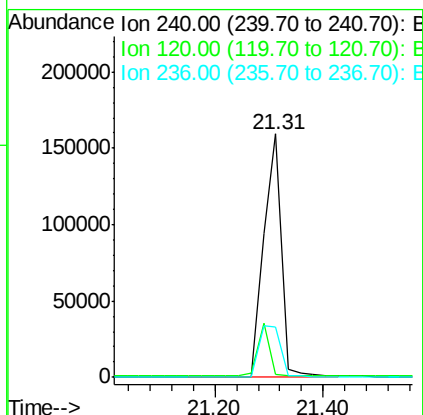
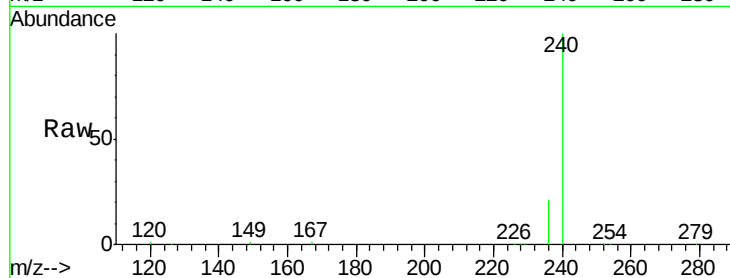




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091774.D
Acq: 16 May 2016 15:22

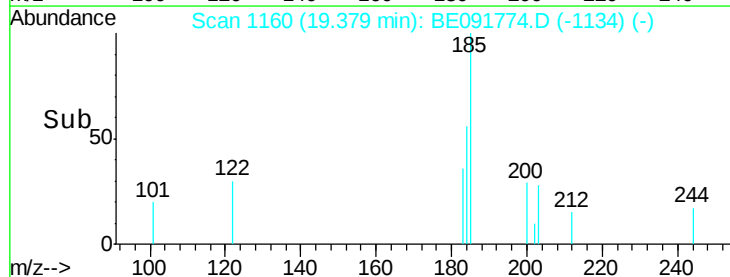
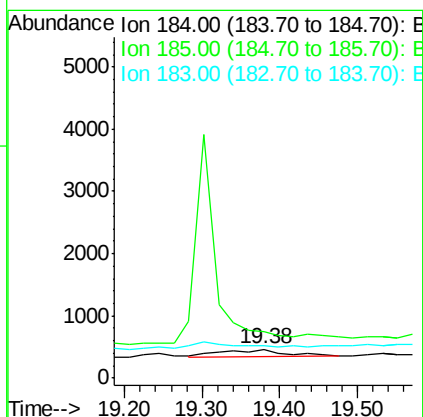
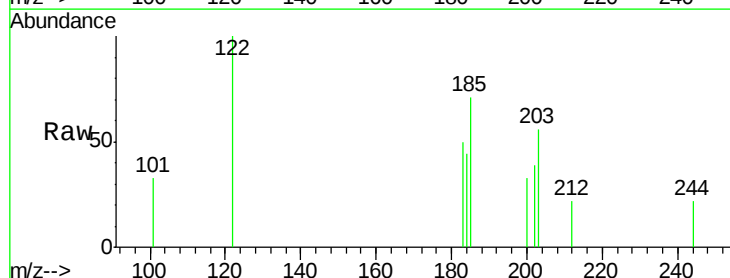
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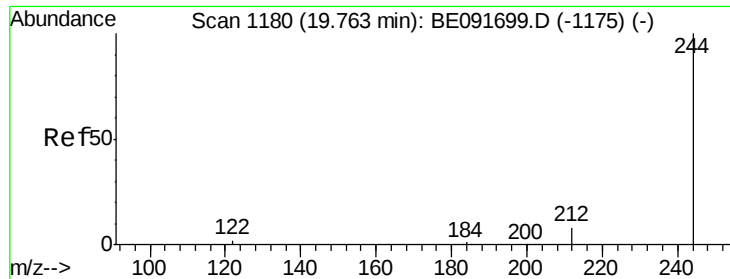
Tgt Ion:240 Resp: 364017
Ion Ratio Lower Upper
240 100
120 1.3 11.0 16.4#
236 20.8 21.7 32.5#



#27
Benzidine
Concen: 0.19 ng
RT: 19.38 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091774.D
Acq: 16 May 2016 15:22

Tgt Ion:184 Resp: 712
Ion Ratio Lower Upper
184 100
185 159.9 22.3 33.5#
183 112.4 16.4 24.6#





#29

Terphenyl-d14

Concen: 4.41 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

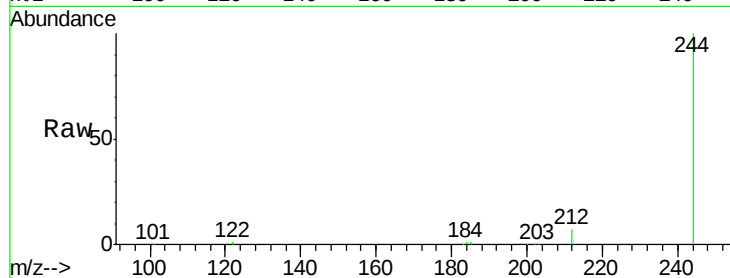
Tgt Ion:244 Resp: 250611

Ion Ratio Lower Upper

244 100

212 7.0 6.9 10.3

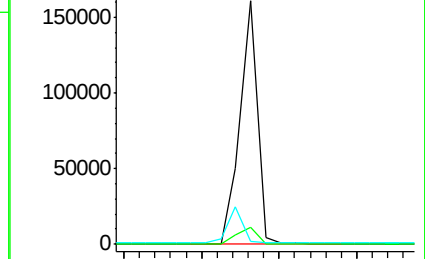
122 1.5 11.0 16.4#



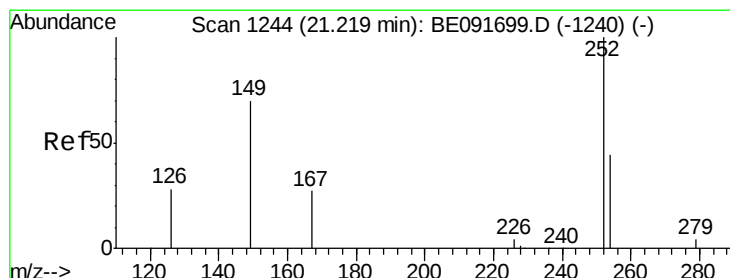
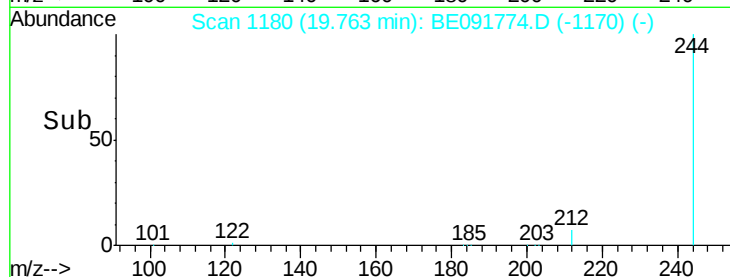
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.60 19.70 19.80 19.90



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

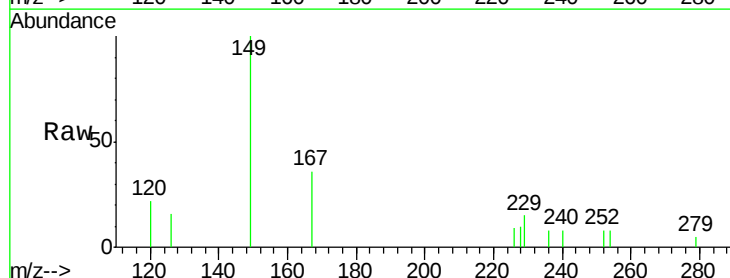
Tgt Ion:149 Resp: 3537

Ion Ratio Lower Upper

149 100

167 24.5 19.5 29.3

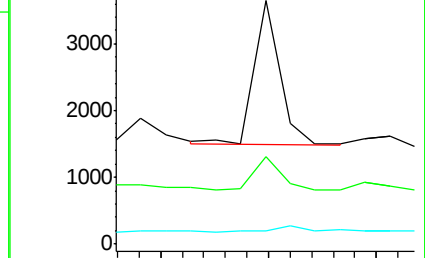
279 0.0 10.0 15.0#



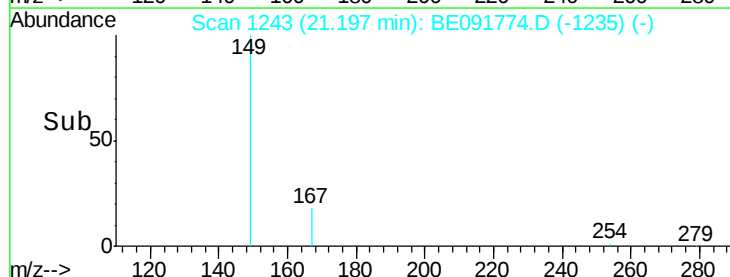
Abundance Ion 149.00 (148.70 to 149.70): E

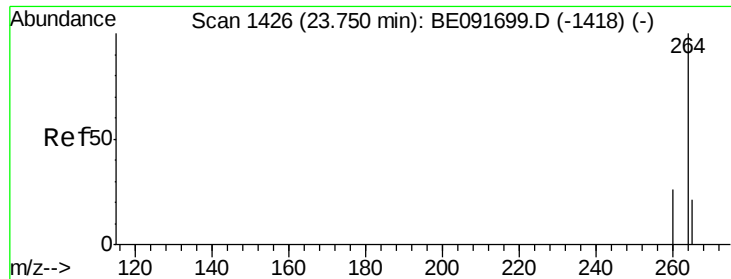
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.10 21.20 21.30





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE091774.D
Acq: 16 May 2016 15:22

Instrument :
BNA_E
ClientSampleId :
LF017MW001-160512

Tgt Ion: 264 Resp: 373603
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 21.9 17.5 26.3

