

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091775.D
 Acq On : 16 May 2016 16:01
 Operator : UM/SJ
 Sample : H3084-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW004-160512

Quant Time: May 17 04:01:10 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

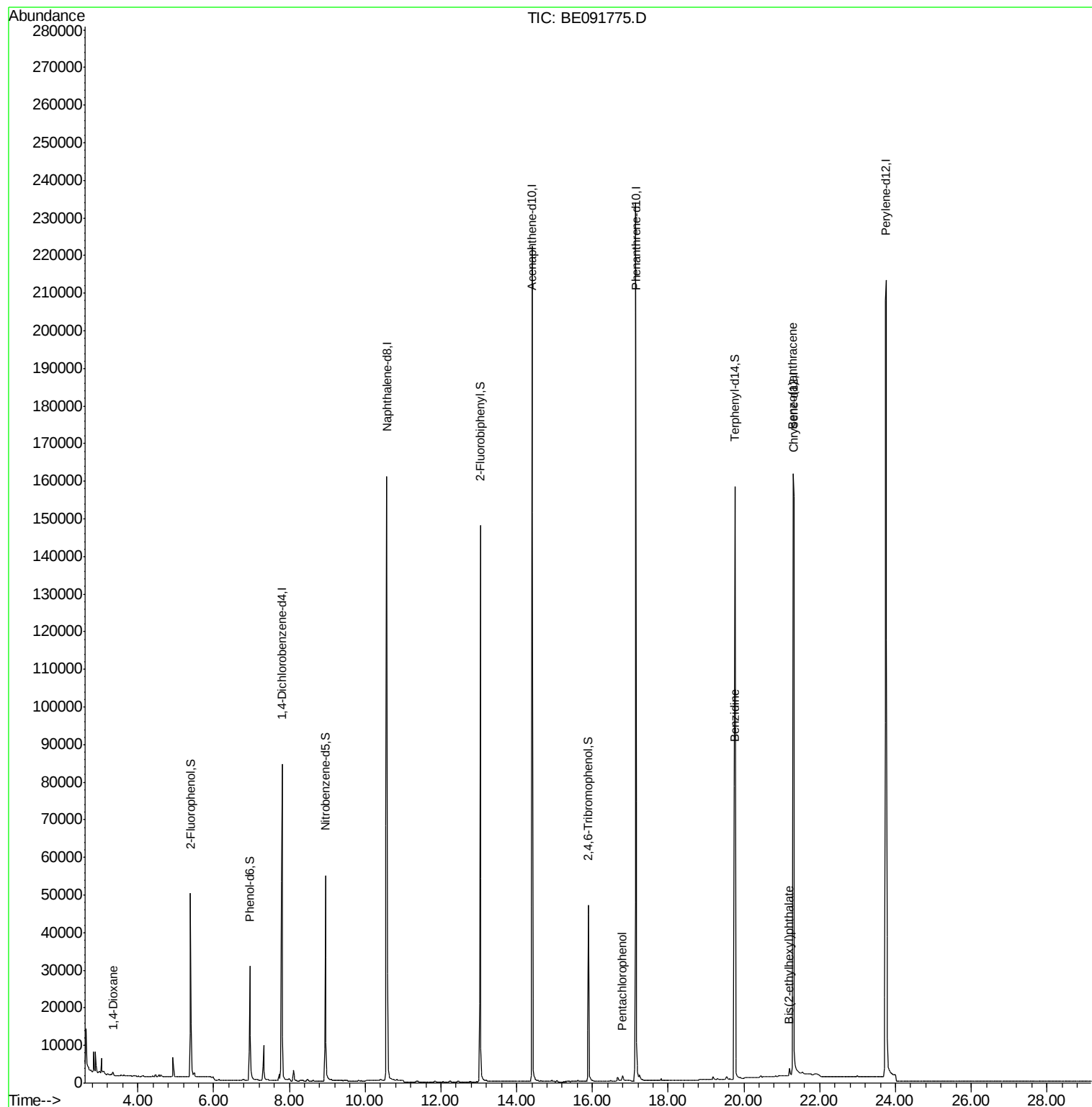
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	48312	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	238688	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	143336	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	395471	5.00	ng	0.00
26) Chrysene-d12	21.31	240	320205	5.00	ng	0.00
35) Perylene-d12	23.75	264	340160	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	38898	3.28	ng	0.00
5) Phenol-d6	6.95	99	35601	2.26	ng	0.00
8) Nitrobenzene-d5	8.95	82	53979	3.50	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	34849	6.56	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	154316	3.81	ng	0.00
29) Terphenyl-d14	19.76	244	229010	4.59	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.35	88	694	0.02	ng	# 84
22) Pentachlorophenol	16.79	266	1570	0.30	ng	94
27) Benzidine	19.74	184	4167	0.32	ng	# 87
30) Benzo(a)anthracene	21.29	228	1628	0.02	ng	# 82
33) Bis(2-ethylhexyl)phthalate	21.20	149	2362	0.10	ng	# 87

(#) = 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

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

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ClientSampleId :

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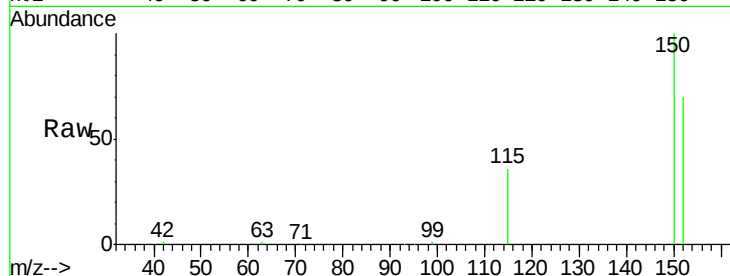
Tgt Ion:152 Resp: 48312

Ion Ratio Lower Upper

152 100

150 143.4 122.6 183.8

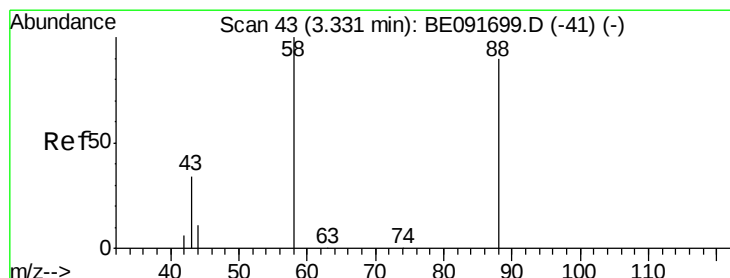
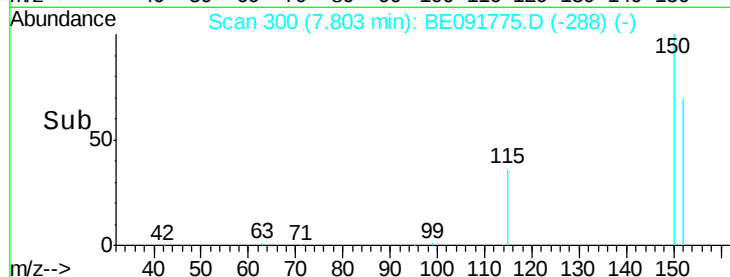
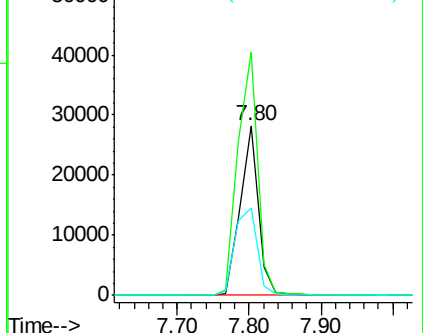
115 51.5 52.8 79.2#



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: 0.02 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

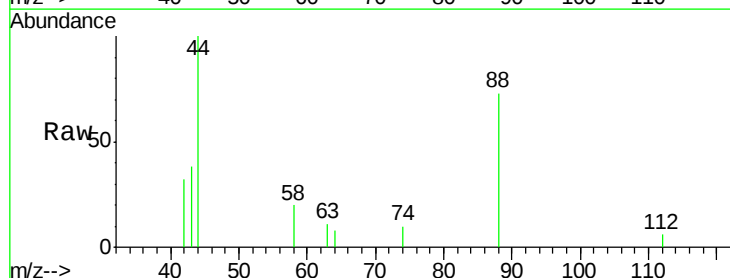
Tgt Ion: 88 Resp: 694

Ion Ratio Lower Upper

88 100

58 70.9 65.8 98.6

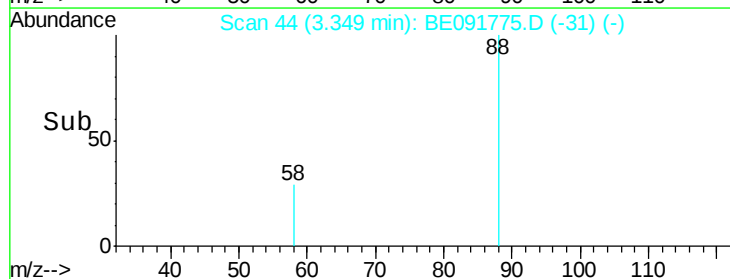
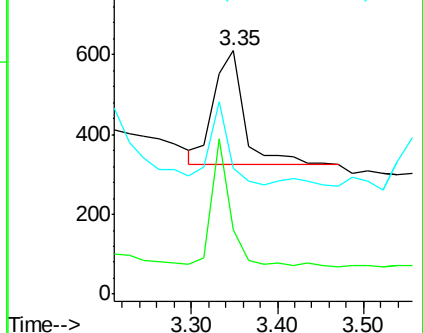
43 45.5 25.3 37.9#

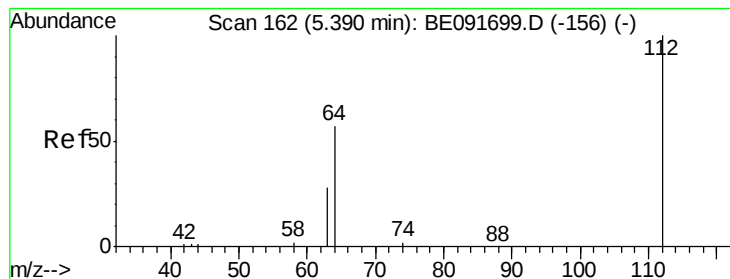


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.28 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

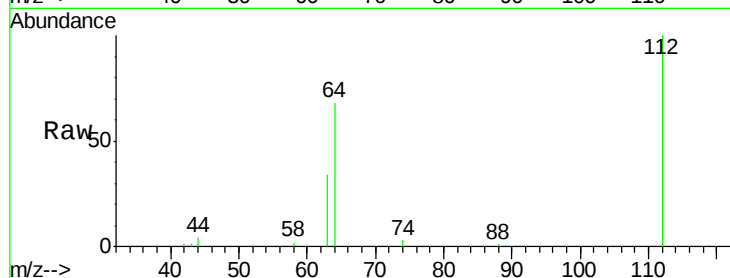
Tgt Ion: 112 Resp: 38898

Ion Ratio Lower Upper

112 100

64 66.6 30.9 46.3#

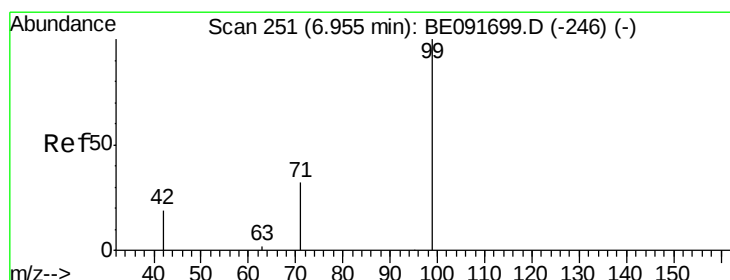
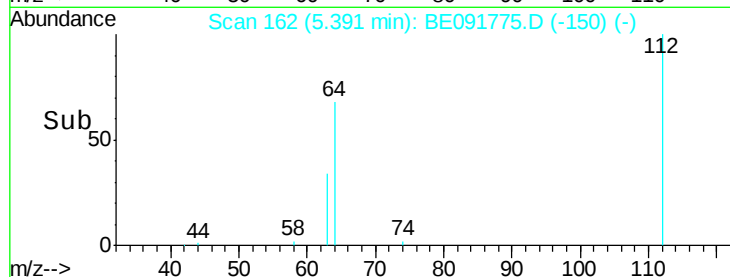
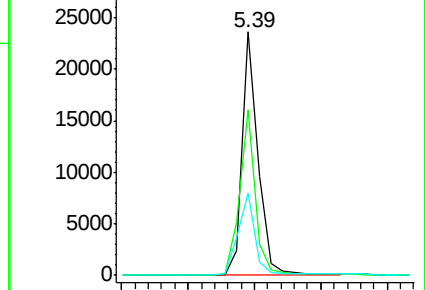
63 35.8 16.7 25.1#



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: 2.26 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

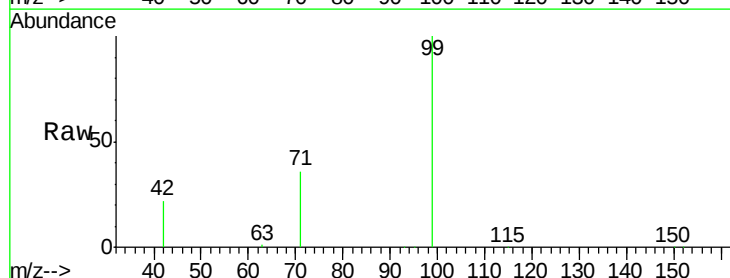
Tgt Ion: 99 Resp: 35601

Ion Ratio Lower Upper

99 100

42 23.8 16.2 24.2

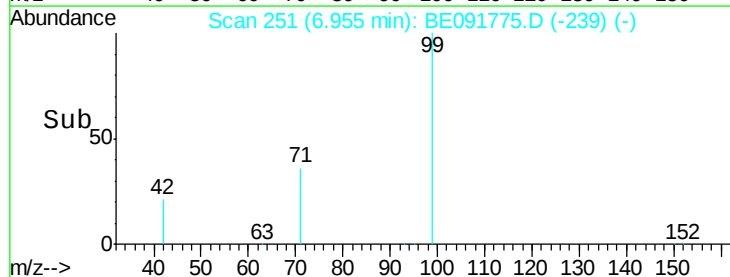
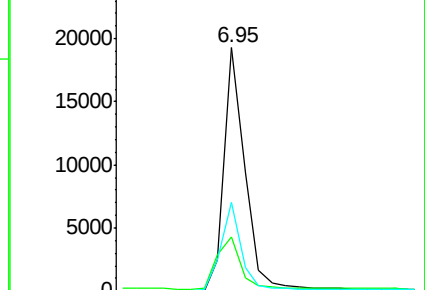
71 35.3 29.0 43.4

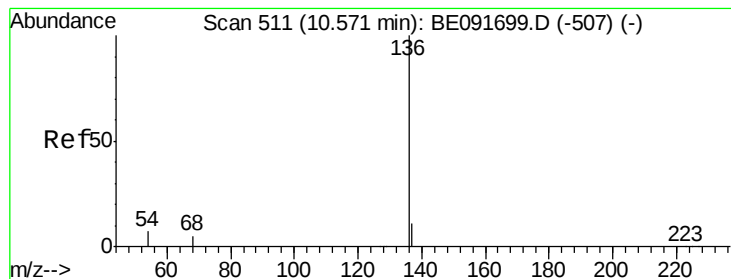


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

Tgt Ion: 136 Resp: 238688

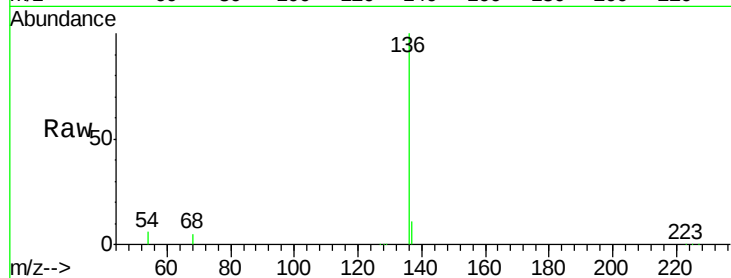
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.9 8.2 12.4#

68 4.6 6.2 9.4#

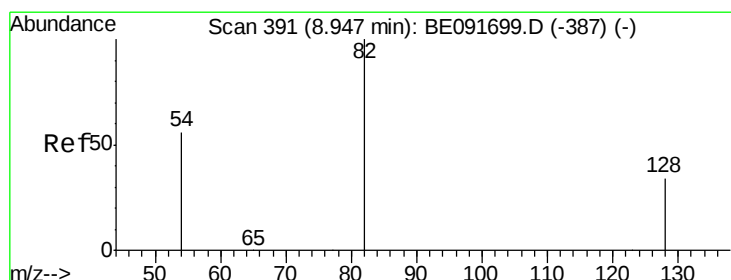
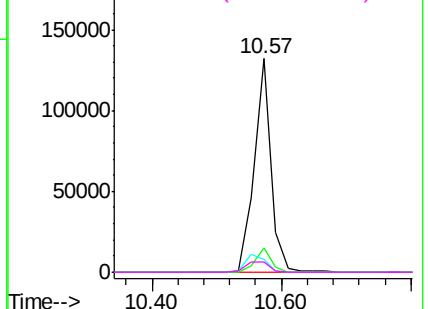
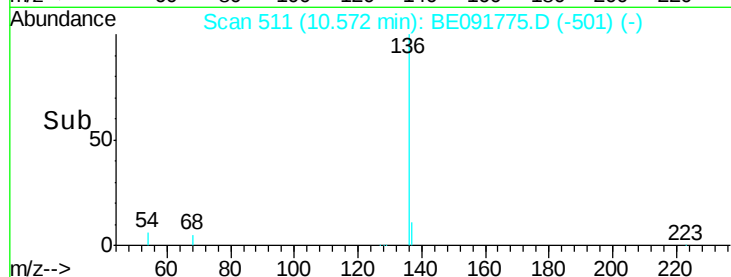


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.50 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

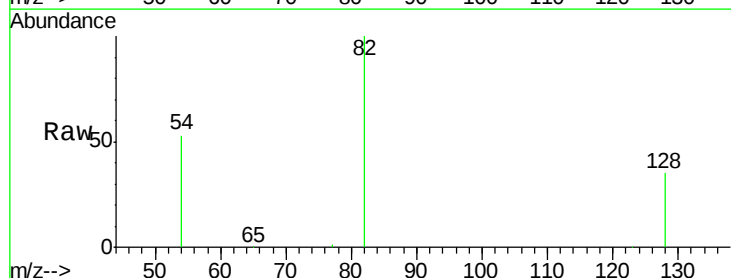
Tgt Ion: 82 Resp: 53979

Ion Ratio Lower Upper

82 100

128 34.8 25.4 38.0

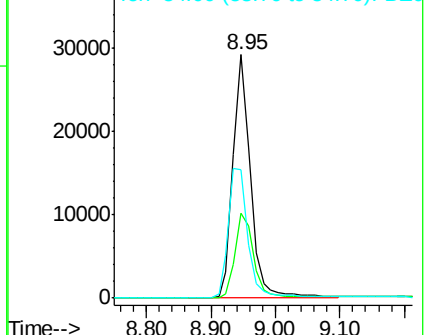
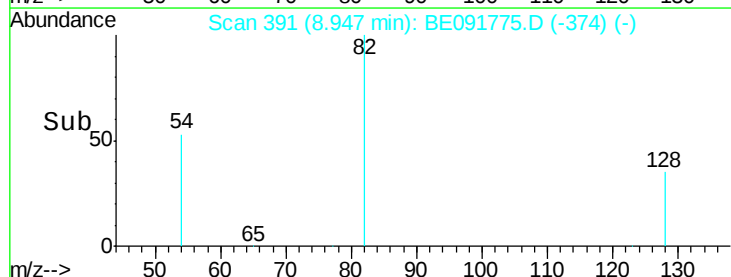
54 52.9 48.4 72.6

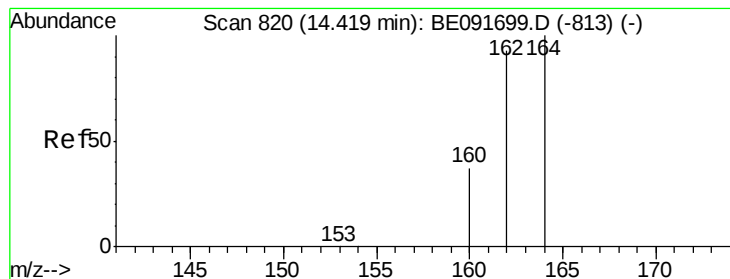


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

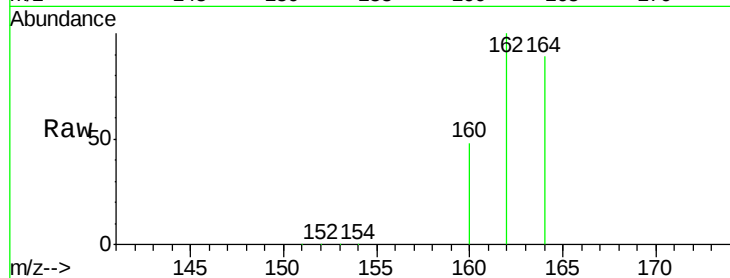
Tgt Ion:164 Resp: 143336

Ion Ratio Lower Upper

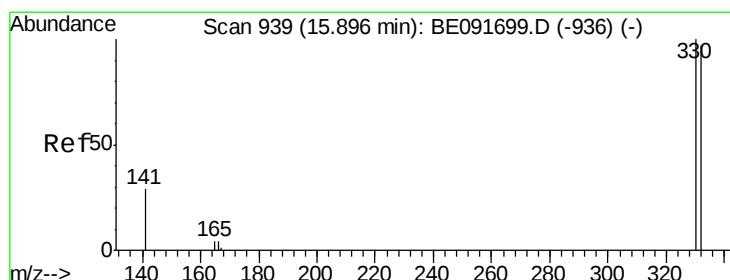
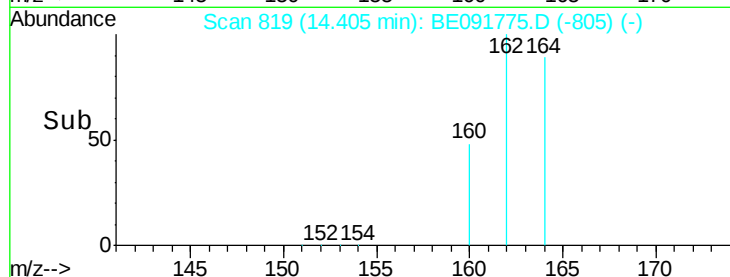
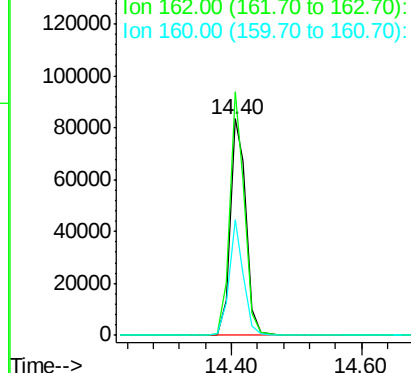
164 100

162 112.6 85.3 127.9

160 53.7 46.2 69.2



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: 6.56 ng

RT: 15.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

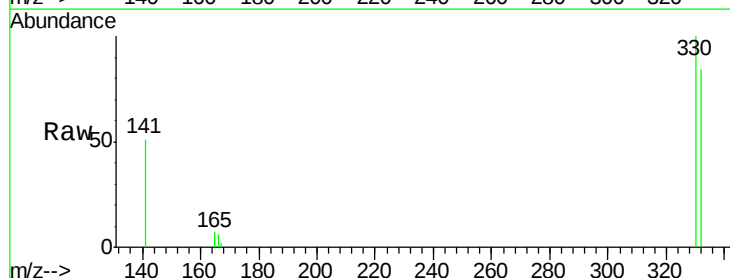
Tgt Ion:330 Resp: 34849

Ion Ratio Lower Upper

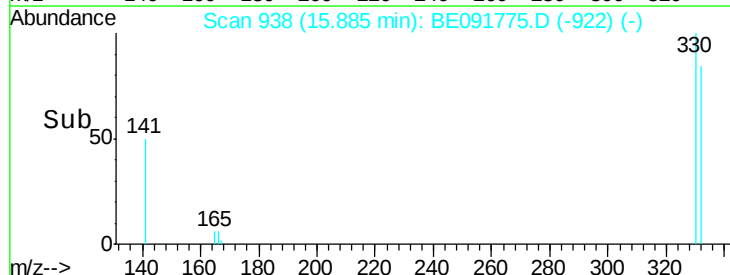
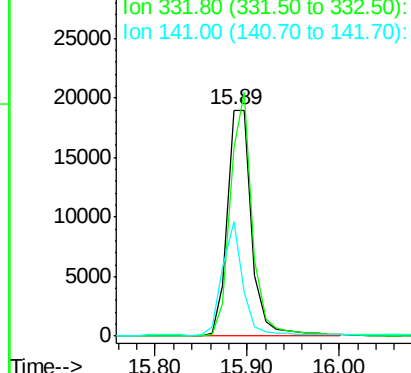
330 100

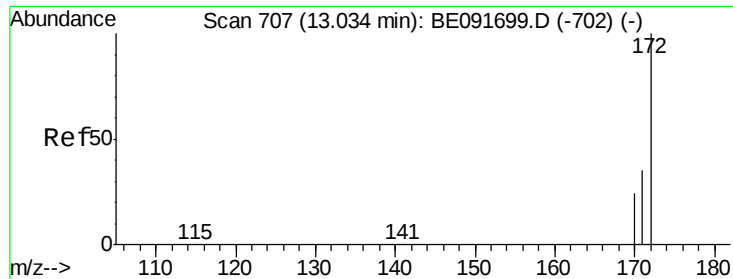
332 97.0 79.1 118.7

141 42.4 125.4 188.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

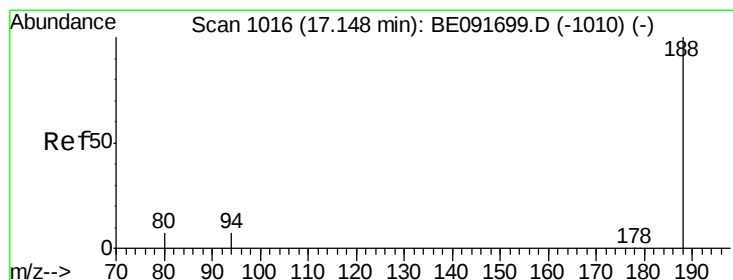
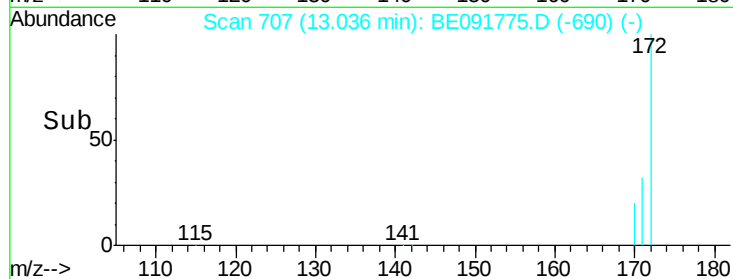
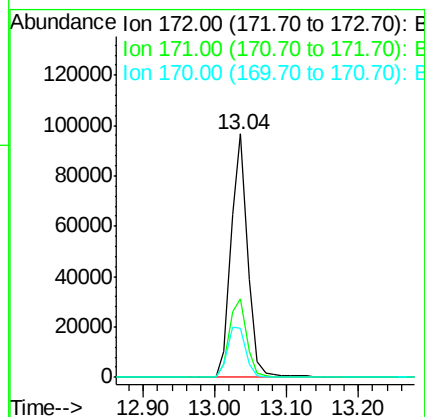
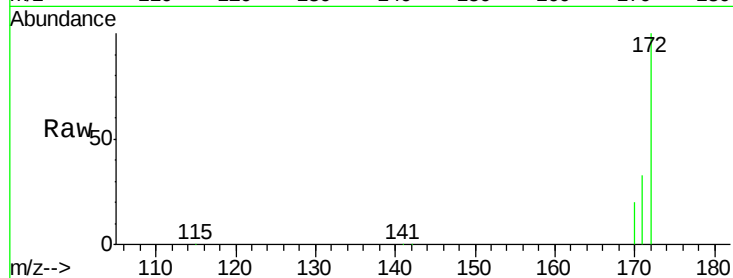




#15
2-Fluorobiphenyl
Concen: 3.81 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091775.D
Acq: 16 May 2016 16:01

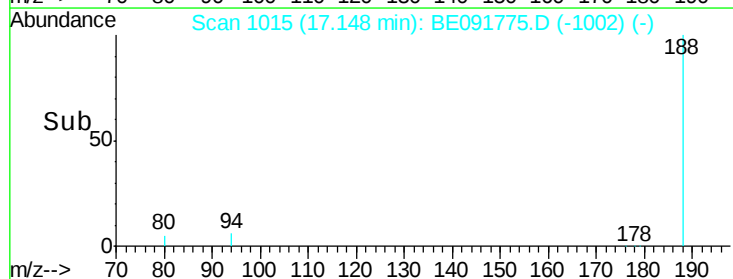
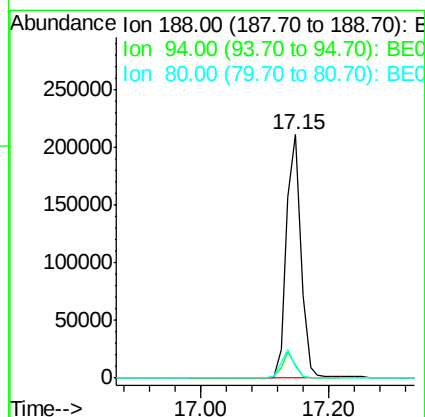
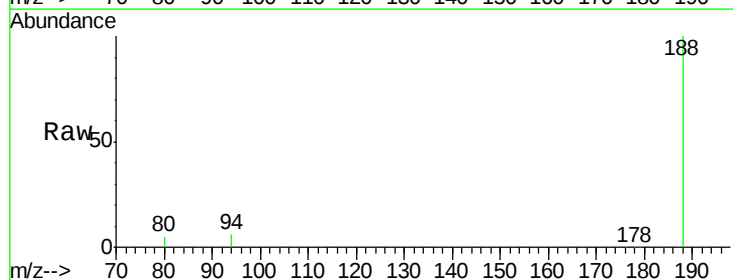
Instrument :
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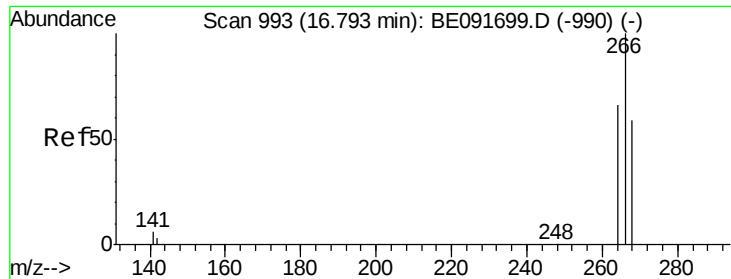
Tgt Ion:172 Resp: 154316
Ion Ratio Lower Upper
172 100
171 32.5 28.8 43.2
170 20.2 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091775.D
Acq: 16 May 2016 16:01

Tgt Ion:188 Resp: 395471
Ion Ratio Lower Upper
188 100
94 5.6 8.7 13.1#
80 4.9 9.4 14.0#





#22

Pentachlorophenol

Concen: 0.30 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

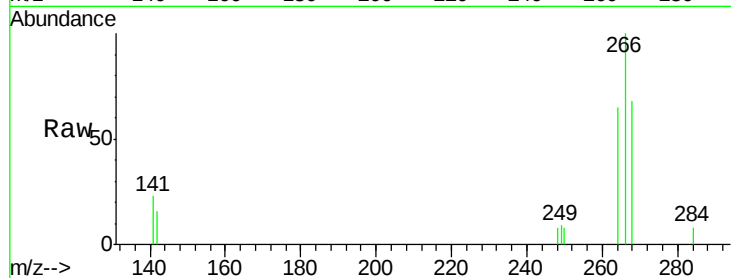
Tgt Ion:266 Resp: 1570

Ion Ratio Lower Upper

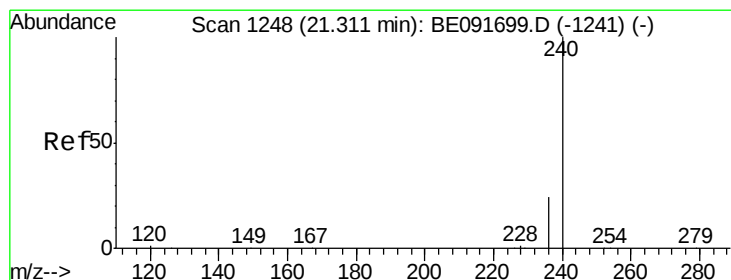
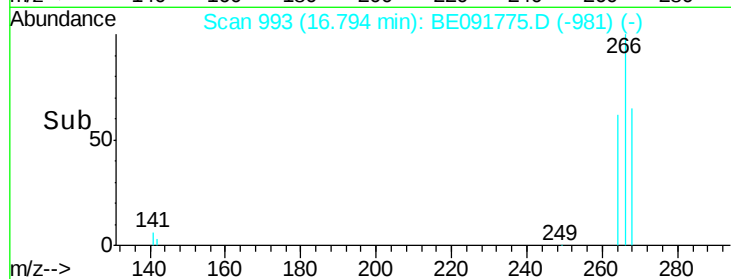
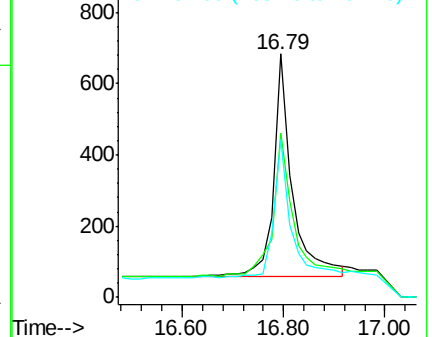
266 100

268 67.5 58.2 87.2

264 64.8 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# 1247

Delta R.T. 0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

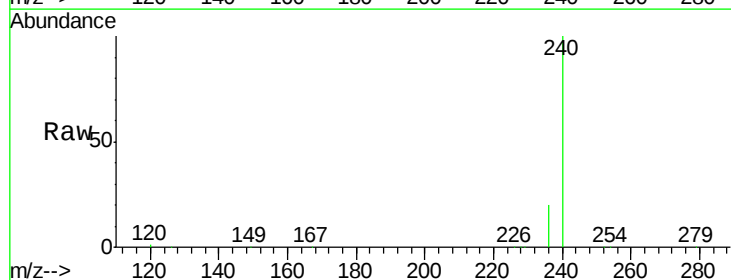
Tgt Ion:240 Resp: 320205

Ion Ratio Lower Upper

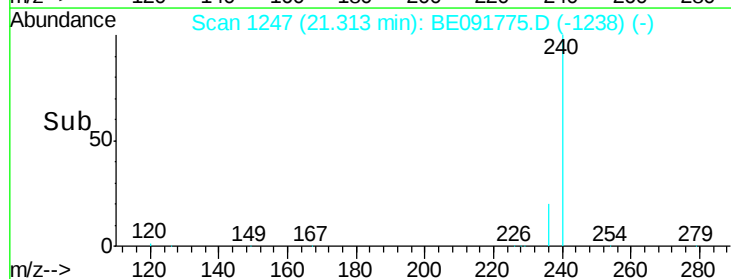
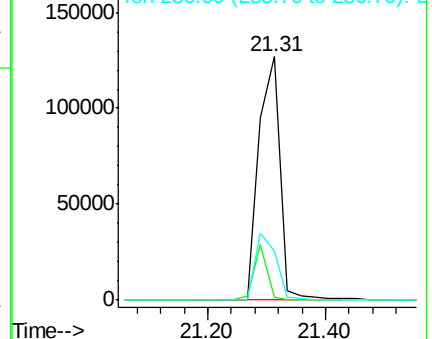
240 100

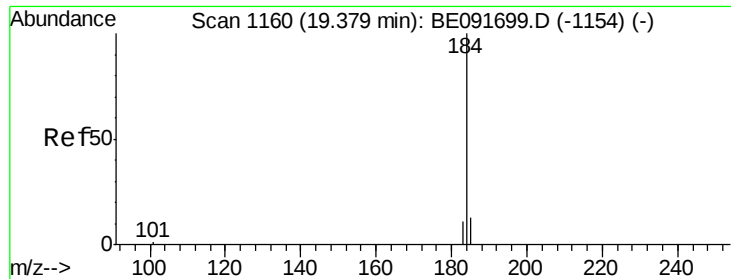
120 1.0 11.0 16.4#

236 20.1 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: 0.32 ng

RT: 19.74 min Scan# 1178

Delta R.T. 0.37 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

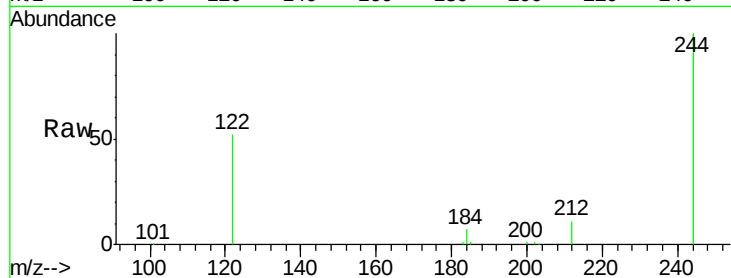
Tgt Ion:184 Resp: 4167

Ion Ratio Lower Upper

184 100

185 19.0 22.3 33.5#

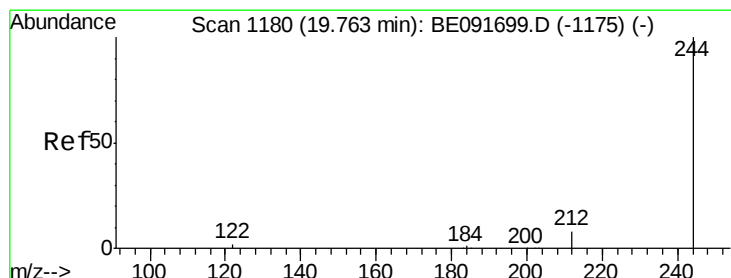
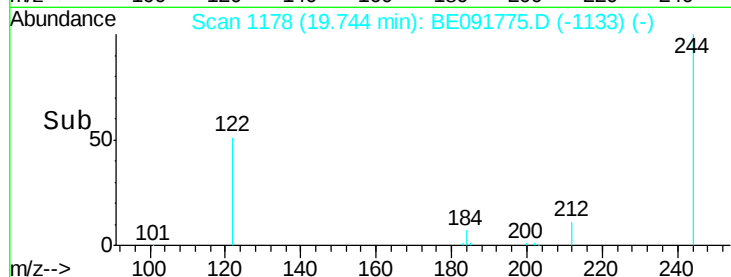
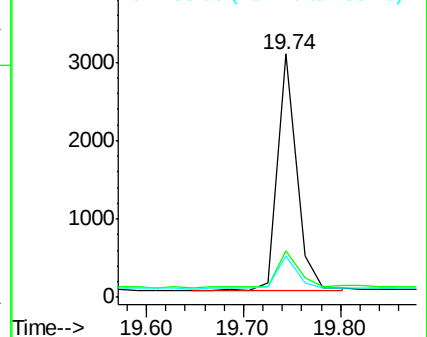
183 17.2 16.4 24.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 4.59 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

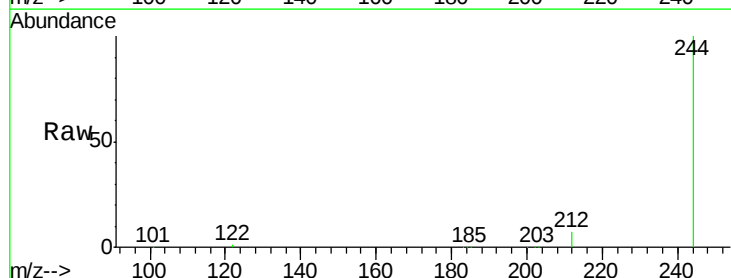
Tgt Ion:244 Resp: 229010

Ion Ratio Lower Upper

244 100

212 6.7 6.9 10.3#

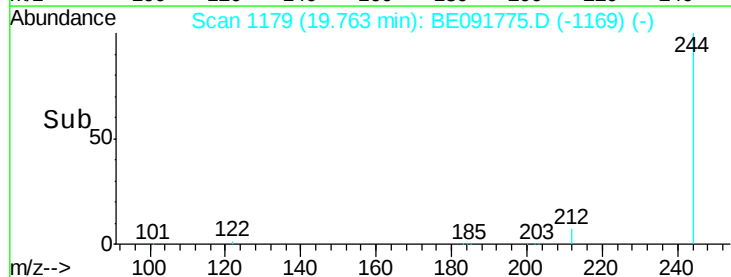
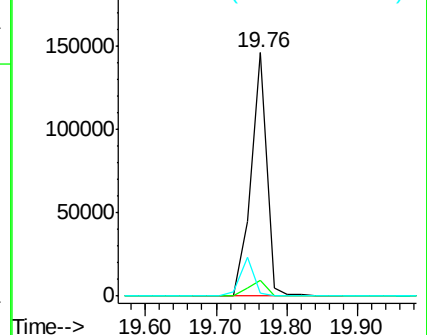
122 1.0 11.0 16.4#

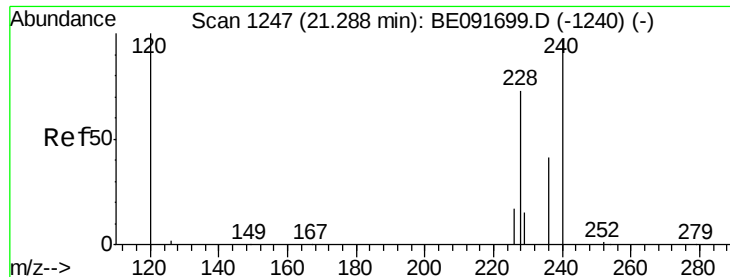


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.29 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

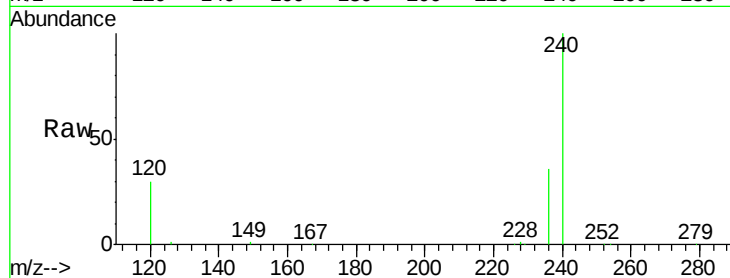
Tgt Ion:228 Resp: 1628

Ion Ratio Lower Upper

228 100

226 25.5 21.0 31.4

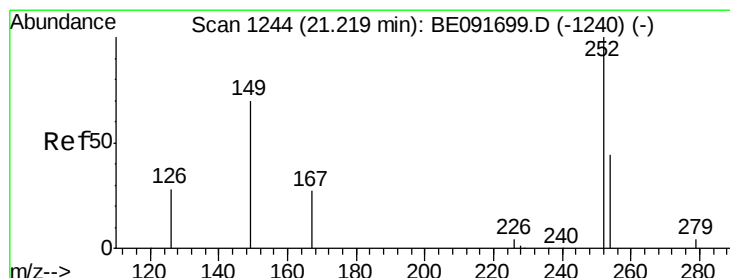
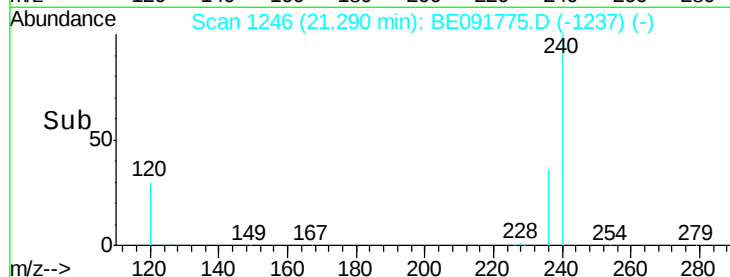
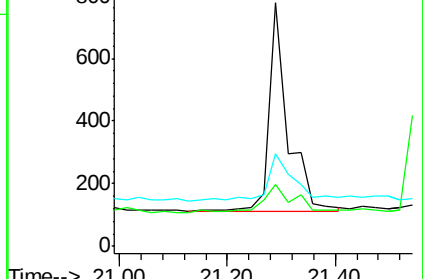
229 38.1 15.7 23.5#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

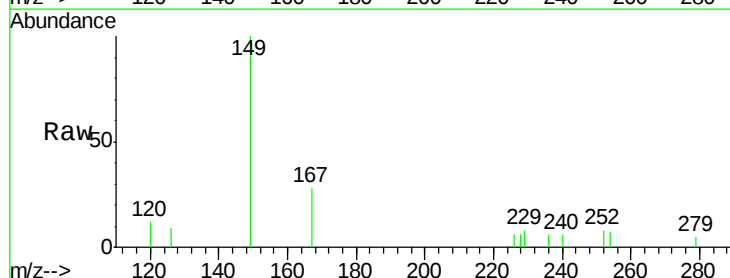
Tgt Ion:149 Resp: 2362

Ion Ratio Lower Upper

149 100

167 22.7 19.5 29.3

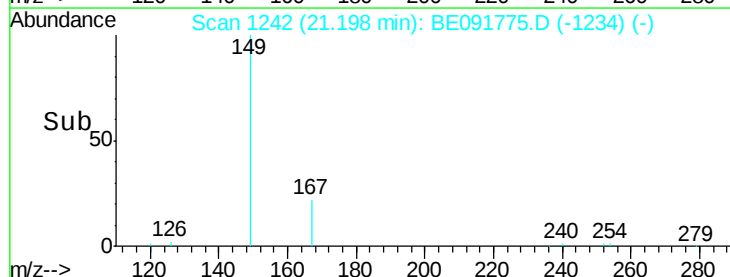
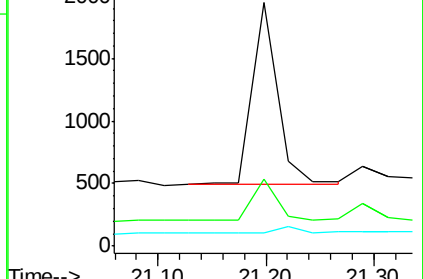
279 0.0 10.0 15.0#

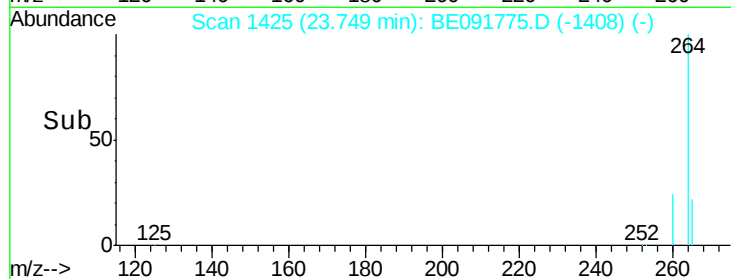
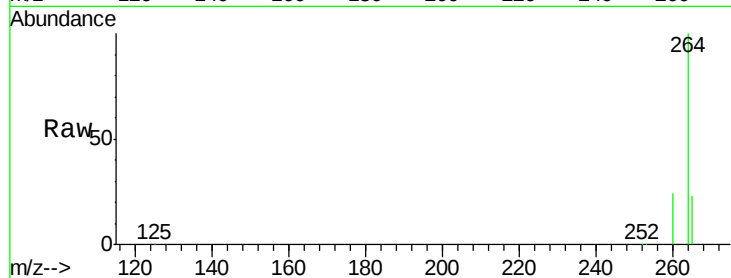
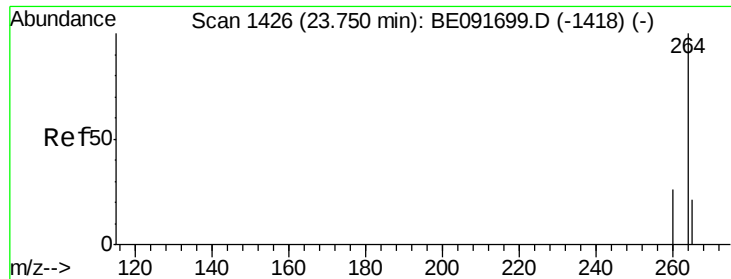


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.75 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BE091775.D

Acq: 16 May 2016 16:01

Instrument :

BNA_E

ClientSampleId :

LF017MW004-160512

Tgt Ion: 264 Resp: 340160

Ion Ratio Lower Upper

264 100

260 23.7 20.0 30.0

265 22.9 17.5 26.3

