

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051816\
 Data File : BE091795.D
 Acq On : 18 May 2016 19:06
 Operator : UM/SJ
 Sample : H3065-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW005-160511

Quant Time: May 19 00:38:51 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

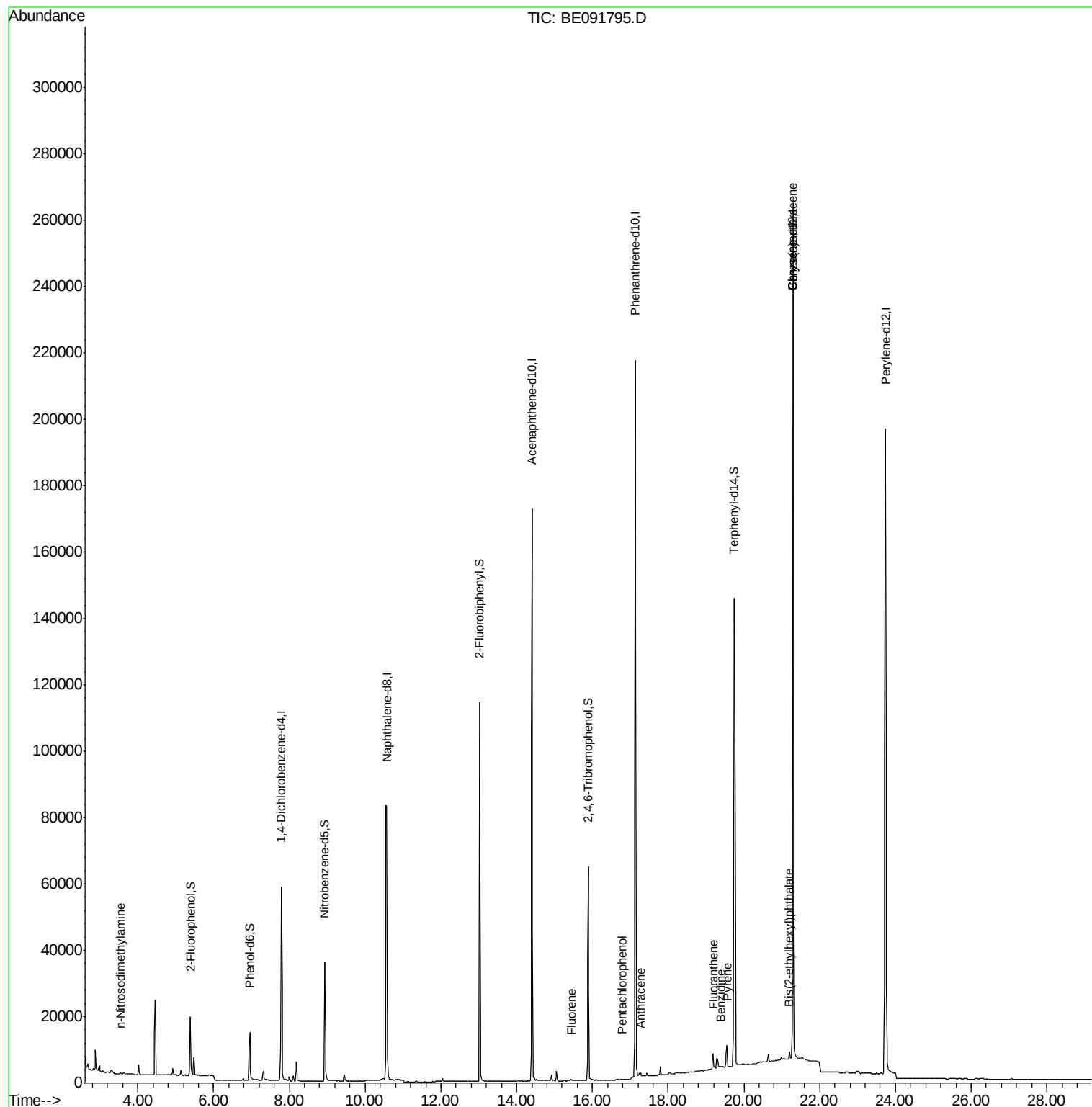
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	30959	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	162969	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	107675	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	272547	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	310529	5.00	ng	-0.02
35) Perylene-d12	23.74	264	307292	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	18908	2.49	ng	0.00
5) Phenol-d6	6.96	99	19423	1.93	ng	0.00
8) Nitrobenzene-d5	8.93	82	37180	3.53	ng	-0.01
14) 2,4,6-Tribromophenol	15.89	330	39321	9.77	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	113210	3.72	ng	-0.01
29) Terphenyl-d14	19.74	244	222473	4.59	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.33	88	296	Below Cal	#	1
3) n-Nitrosodimethylamine	3.54	42	260	0.05 ng	#	2
18) Fluorene	15.45	166	759	0.02 ng	#	45
22) Pentachlorophenol	16.79	266	196	0.13 ng	#	88
24) Anthracene	17.26	178	1440	0.03 ng	#	81
25) Fluoranthene	19.19	202	4751	0.07 ng	#	92
27) Benzydine	19.38	184	305	0.17 ng	#	1
28) Pyrene	19.55	202	7773	0.11 ng	#	95
30) Benzo(a)anthracene	21.29	228	2721	0.04 ng	#	34
32) Chrysene	21.29	228	2675	0.03 ng	#	42
33) Bis(2-ethylhexyl)phthalate	21.20	149	2864	0.12 ng	#	75

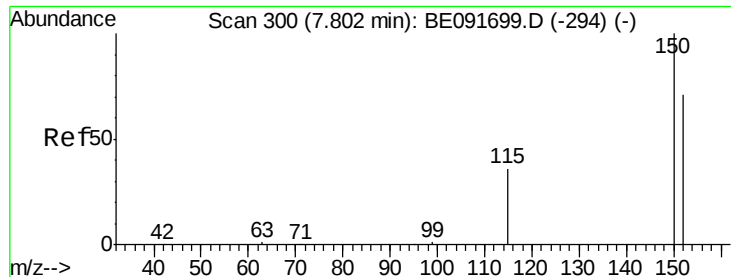
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

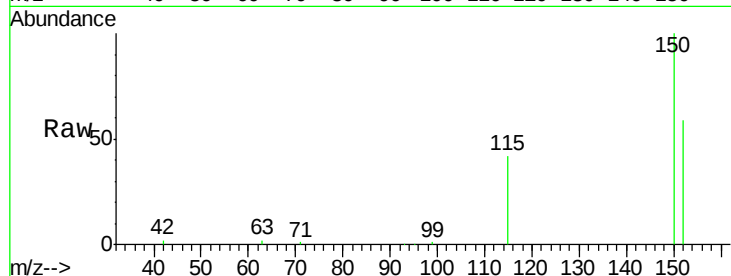
Tgt Ion:152 Resp: 30959

Ion Ratio Lower Upper

152 100

150 169.7 122.6 183.8

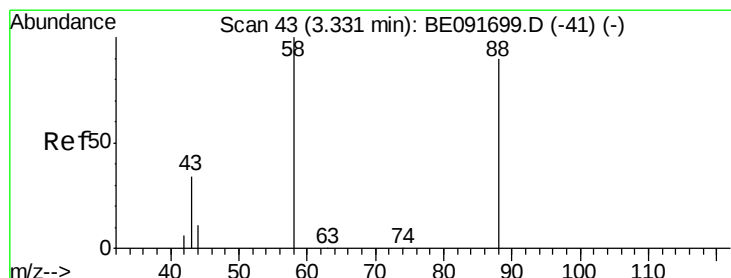
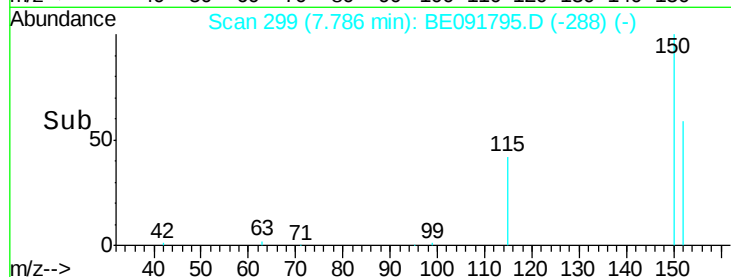
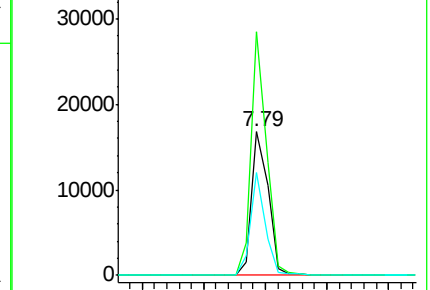
115 71.7 52.8 79.2



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: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

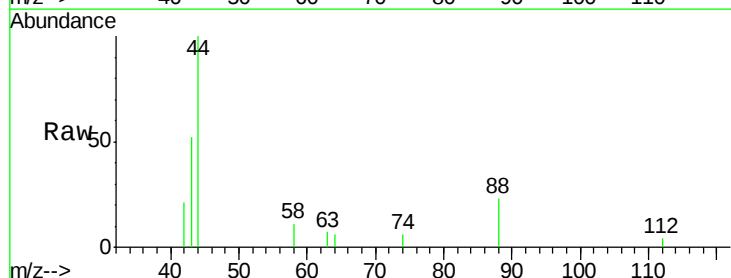
Tgt Ion: 88 Resp: 296

Ion Ratio Lower Upper

88 100

58 95.3 65.8 98.6

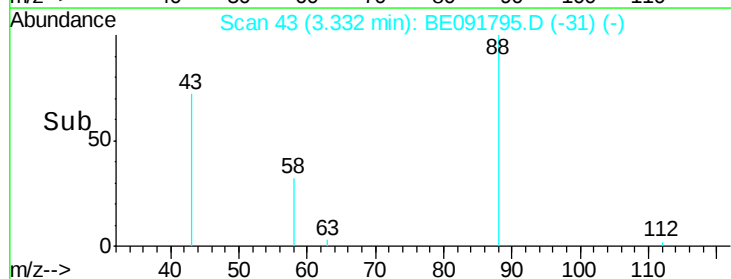
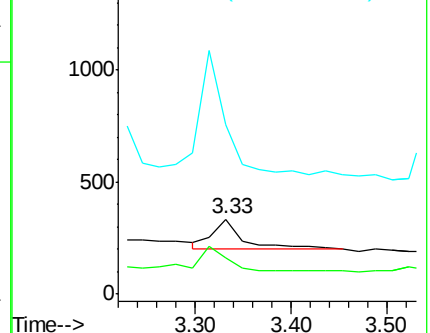
43 363.5 25.3 37.9#

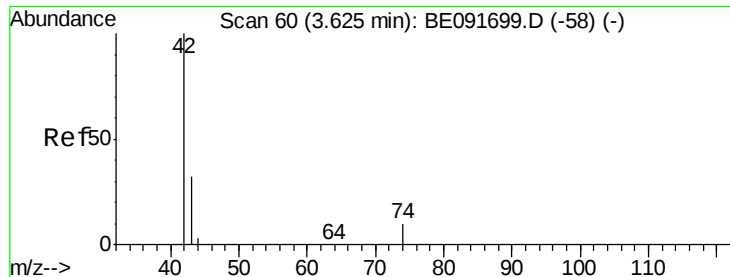


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.54 min Scan# 55

Delta R.T. -0.09 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

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ClientSampleId :

LF017MW005-160511

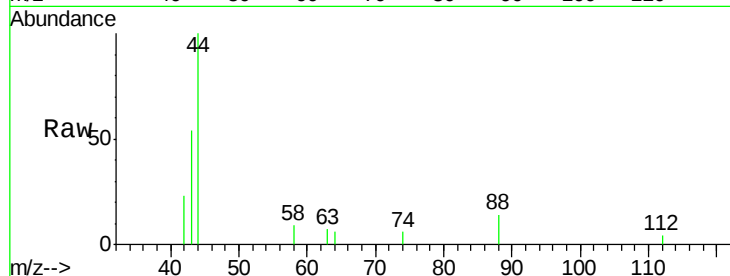
Tgt Ion: 42 Resp: 260

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

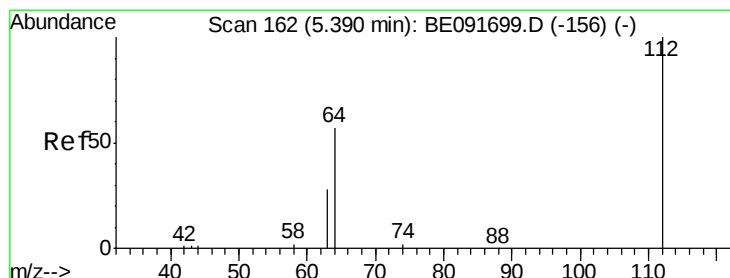
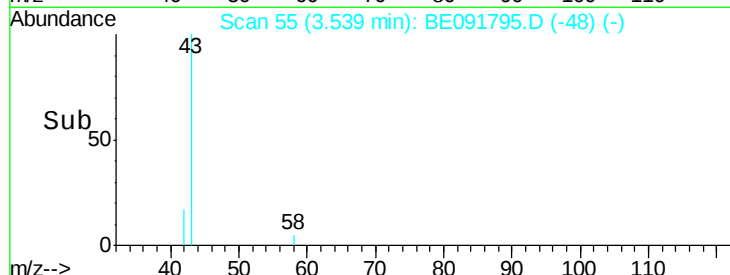
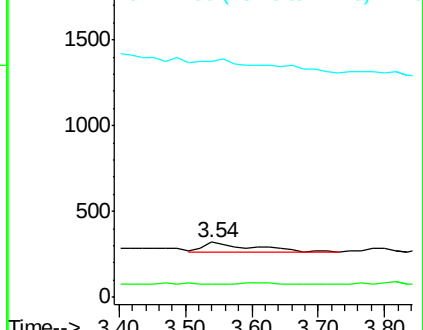
44 0.0 6.6 9.8#



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: 2.49 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

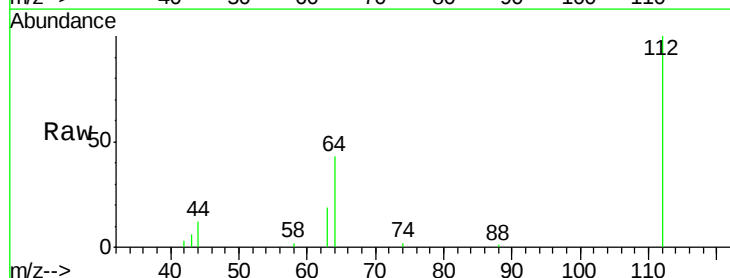
Tgt Ion: 112 Resp: 18908

Ion Ratio Lower Upper

112 100

64 67.2 30.9 46.3#

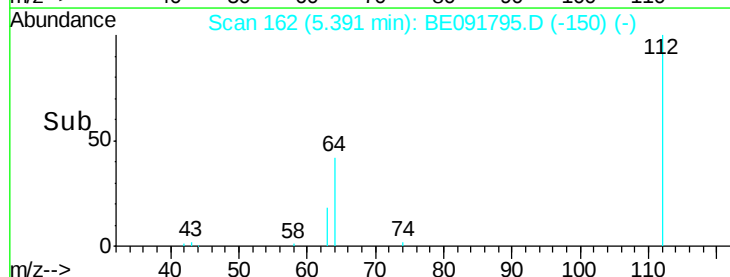
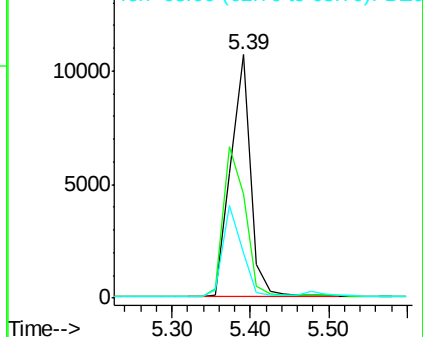
63 35.5 16.7 25.1#

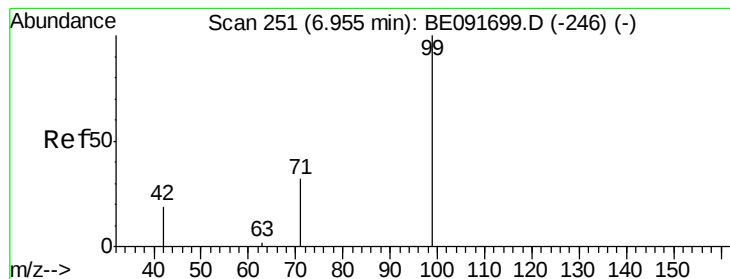


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.93 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

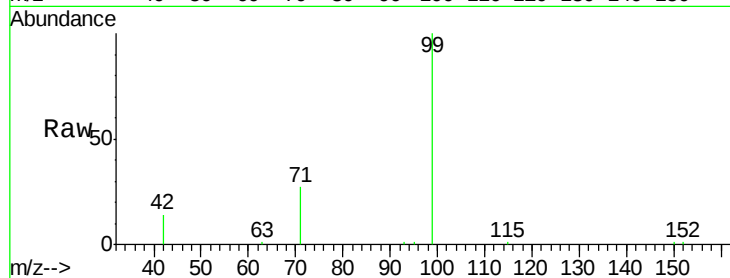
Tgt Ion: 99 Resp: 19423

Ion Ratio Lower Upper

99 100

42 22.4 16.2 24.2

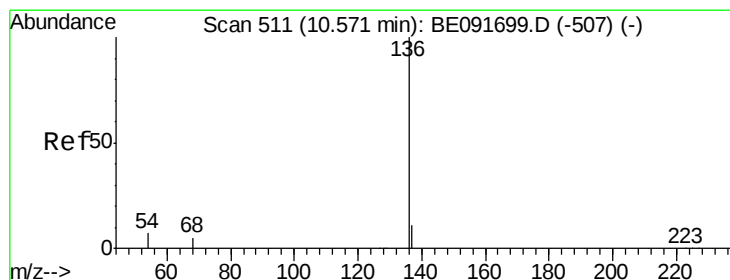
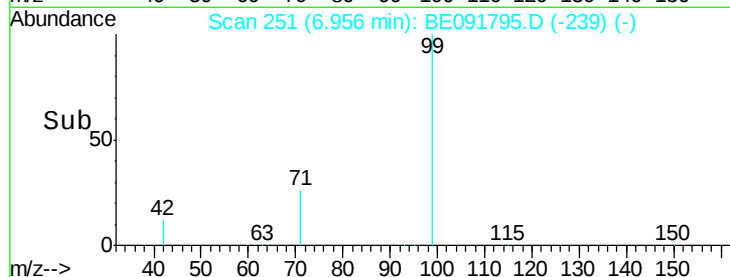
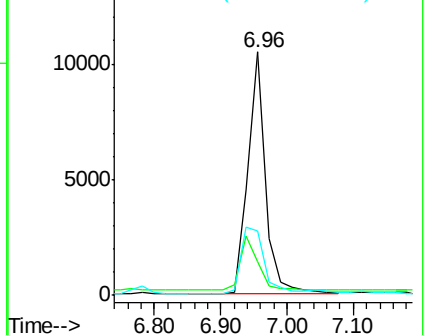
71 37.7 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

Ion 42.00 (41.70 to 42.70): BE091699.D (-246) (-)

Ion 71.00 (70.70 to 71.70): BE091699.D (-246) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Tgt Ion: 136 Resp: 162969

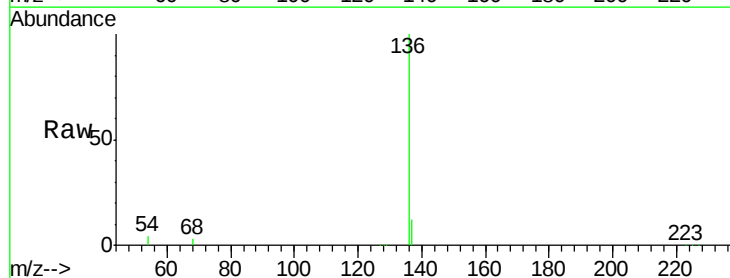
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 3.9 8.2 12.4#

68 3.5 6.2 9.4#

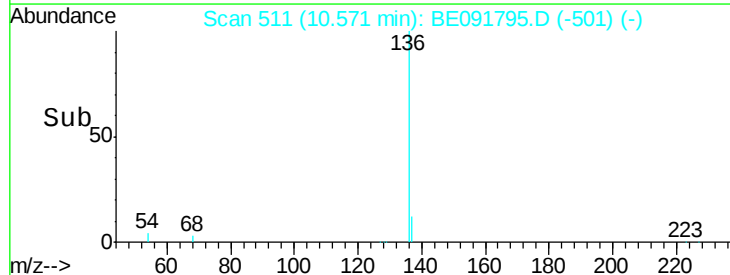
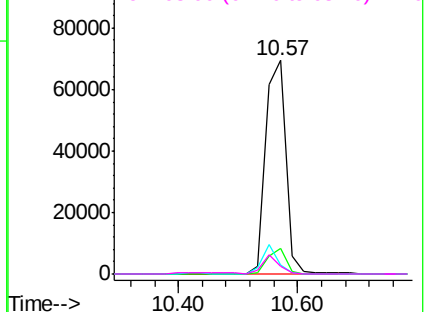


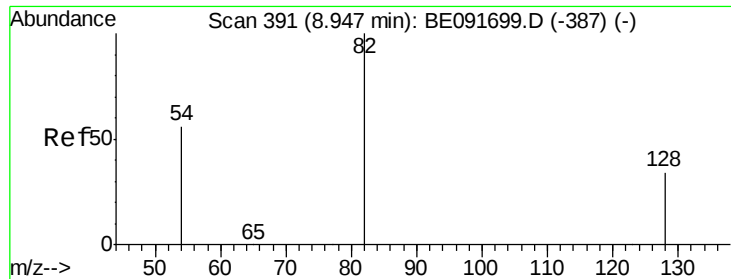
Abundance Ion 136.00 (135.70 to 136.70): BE091699.D (-507) (-)

Ion 137.00 (136.70 to 137.70): BE091699.D (-507) (-)

Ion 54.00 (53.70 to 54.70): BE091699.D (-507) (-)

Ion 68.00 (67.70 to 68.70): BE091699.D (-507) (-)

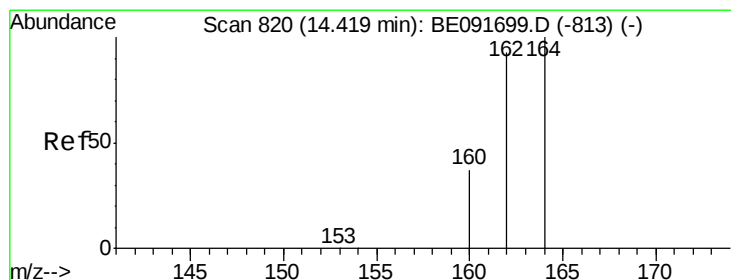
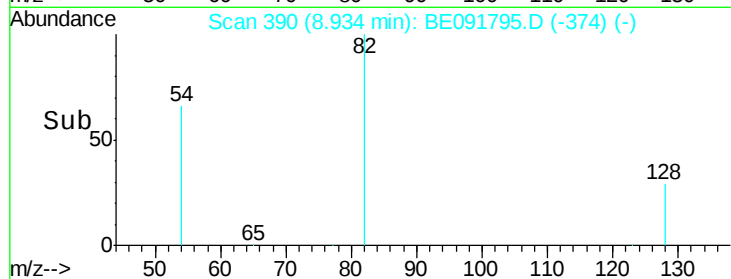
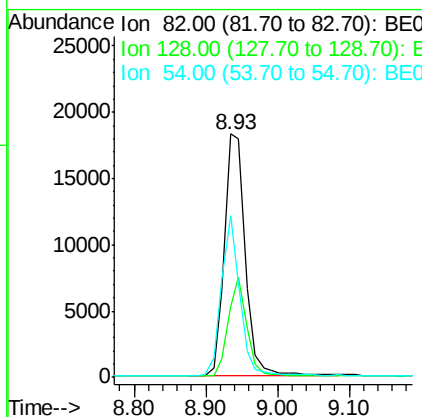
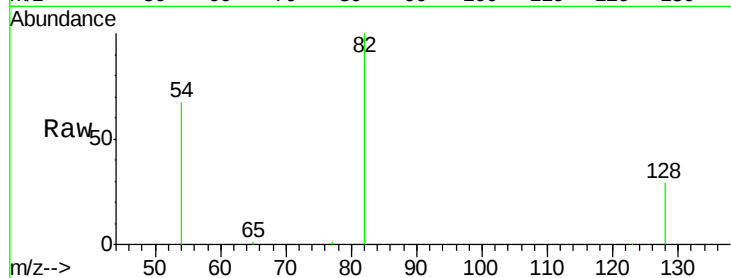




#8
 Nitrobenzene-d5
 Concen: 3.53 ng
 RT: 8.93 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: BE091795.D
 Acq: 18 May 2016 19:06

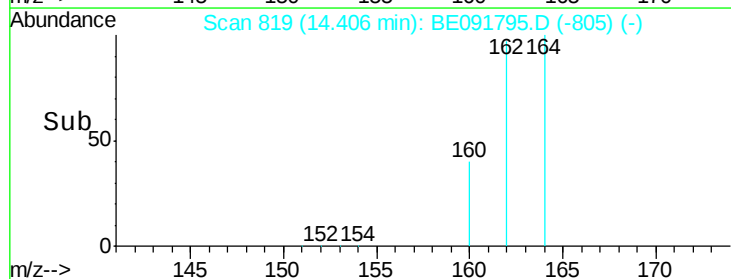
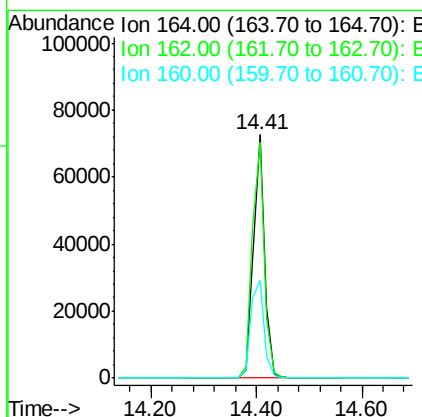
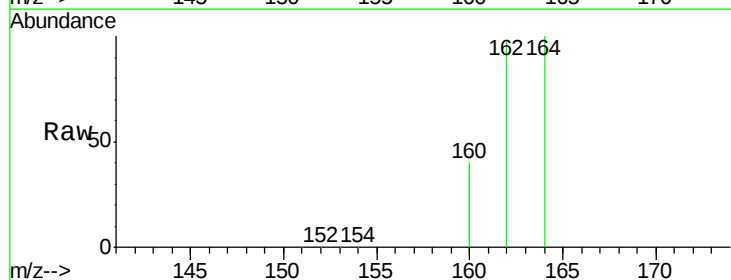
Instrument :
 BNA_E
 ClientSampleId :
 LF017MW005-160511

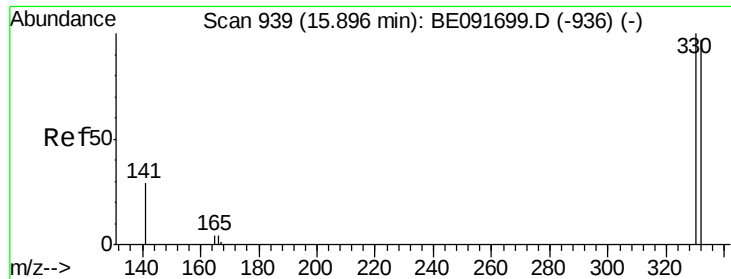
Tgt Ion: 82 Resp: 37180
 Ion Ratio Lower Upper
 82 100
 128 29.3 25.4 38.0
 54 66.7 48.4 72.6



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.41 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE091795.D
 Acq: 18 May 2016 19:06

Tgt Ion: 164 Resp: 107675
 Ion Ratio Lower Upper
 164 100
 162 96.9 85.3 127.9
 160 40.2 46.2 69.2

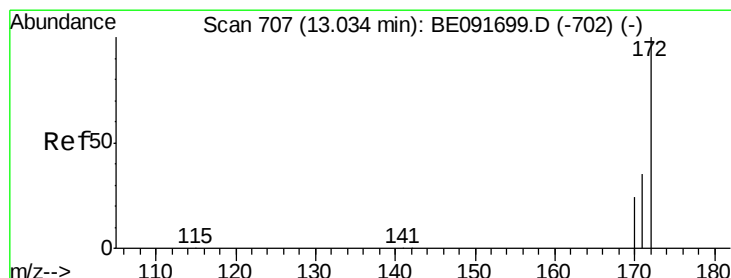
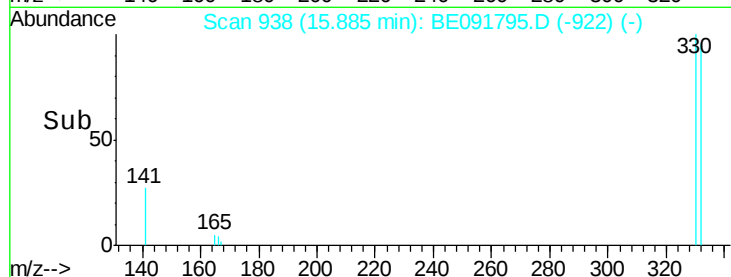
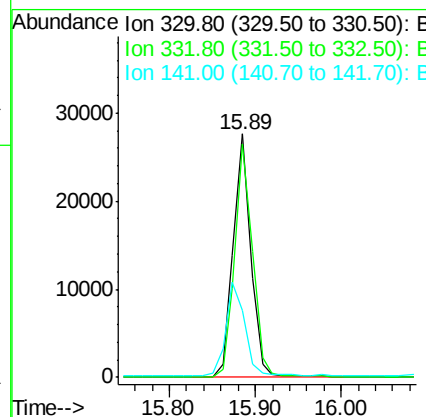
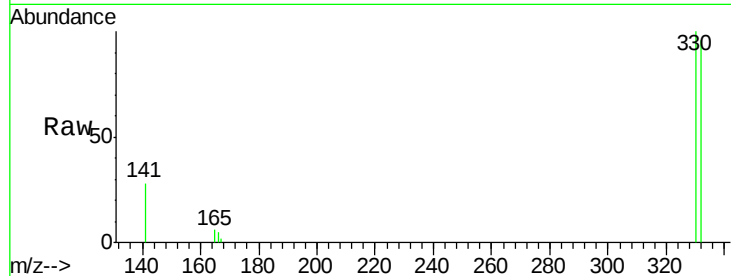




#14
 2,4,6-Tribromophenol
 Concen: 9.77 ng
 RT: 15.89 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091795.D
 Acq: 18 May 2016 19:06

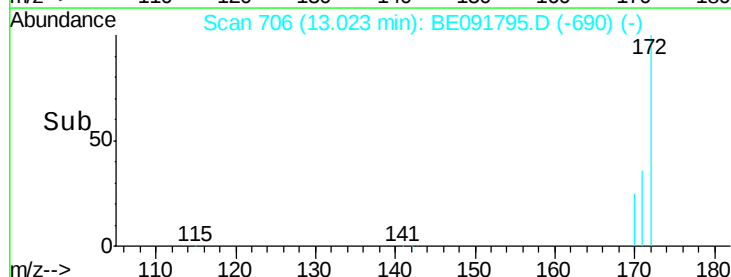
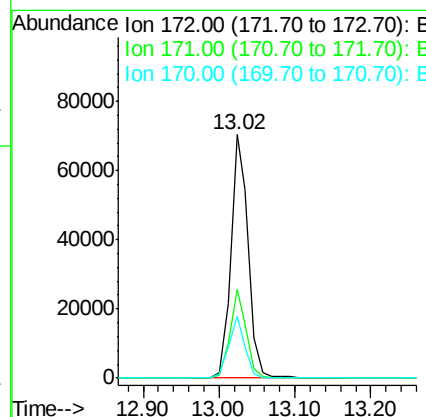
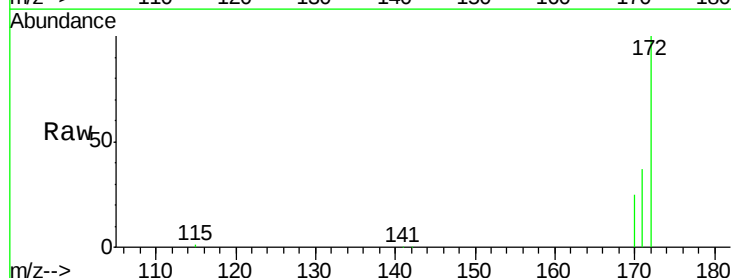
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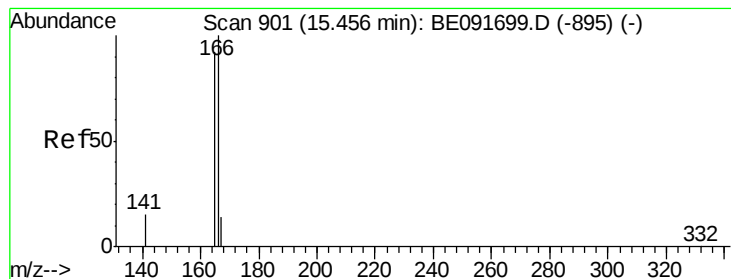
Tgt Ion:330 Resp: 39321
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.1 118.7
 141 41.2 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.72 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091795.D
 Acq: 18 May 2016 19:06

Tgt Ion:172 Resp: 113210
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.8 43.2
 170 25.5 19.3 28.9





#18

Fluorene

Concen: 0.02 ng

RT: 15.45 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

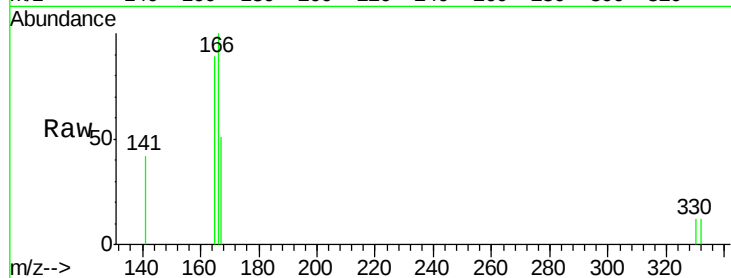
Tgt Ion:166 Resp: 759

Ion Ratio Lower Upper

166 100

165 39.1 80.8 121.2#

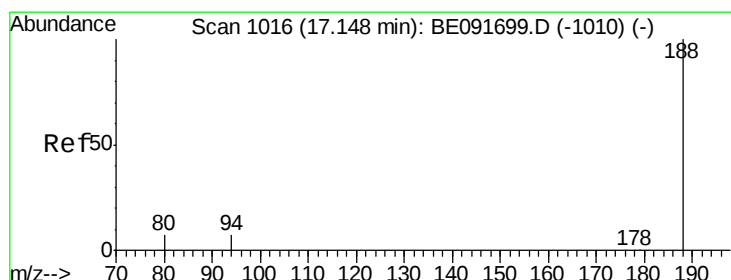
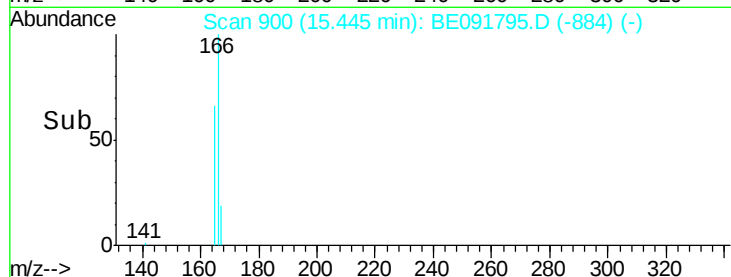
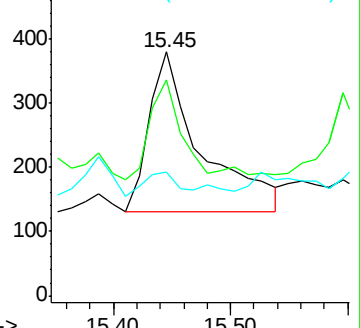
167 10.0 10.9 16.3#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

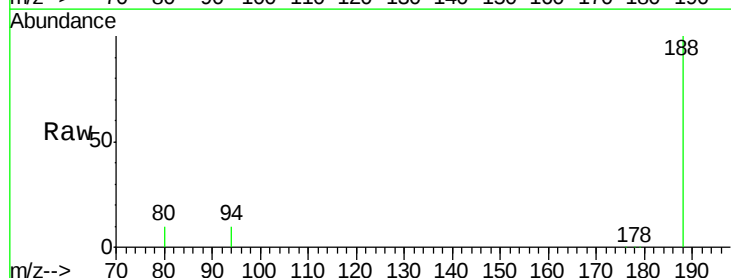
Tgt Ion:188 Resp: 272547

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

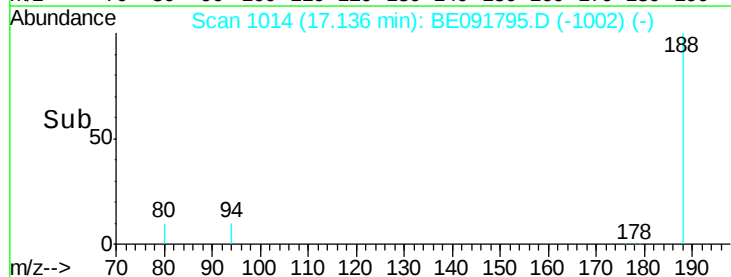
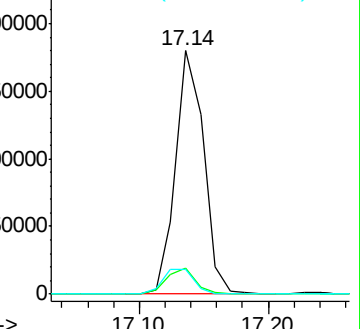
80 10.0 9.4 14.0

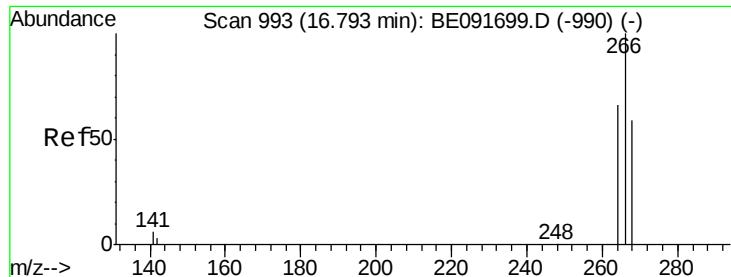


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.13 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

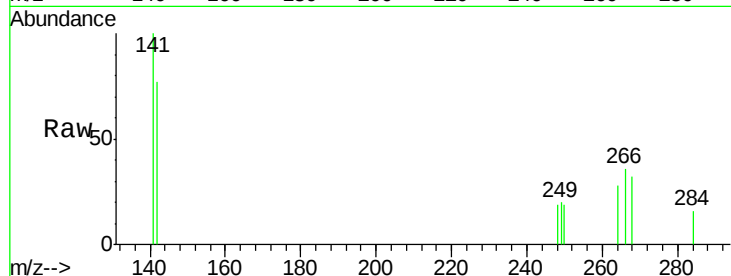
Tgt Ion:266 Resp: 196

Ion Ratio Lower Upper

266 100

268 86.6 58.2 87.2

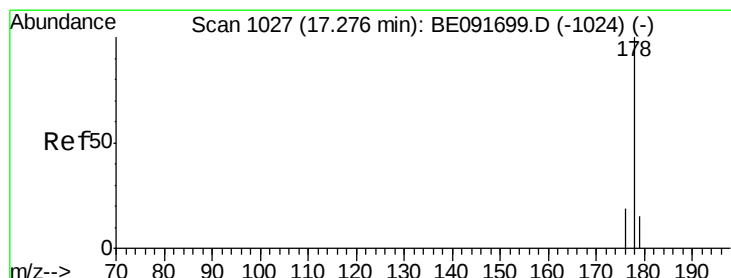
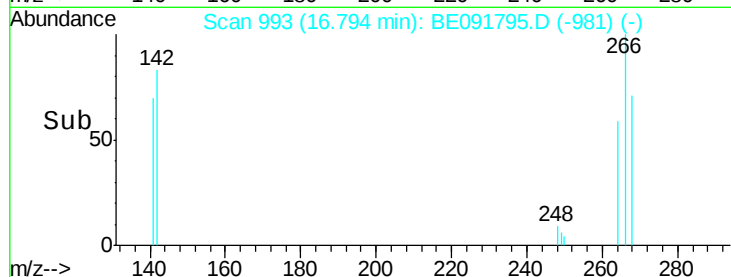
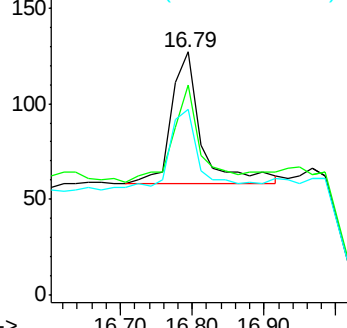
264 76.4 56.2 84.4



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



#24

Anthracene

Concen: 0.03 ng

RT: 17.26 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

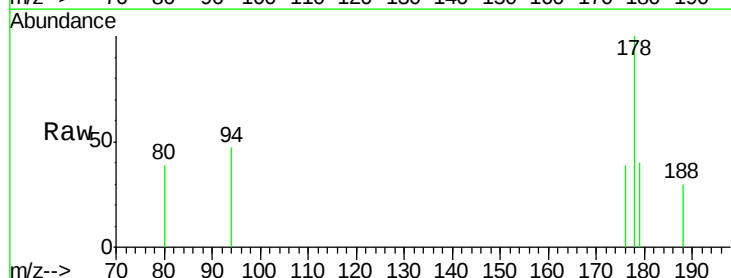
Tgt Ion:178 Resp: 1440

Ion Ratio Lower Upper

178 100

176 32.1 14.6 21.8#

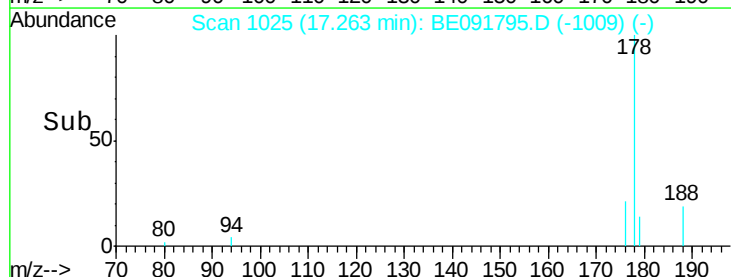
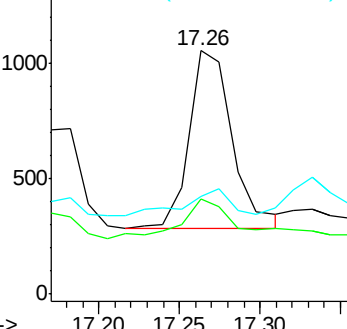
179 16.2 11.8 17.6

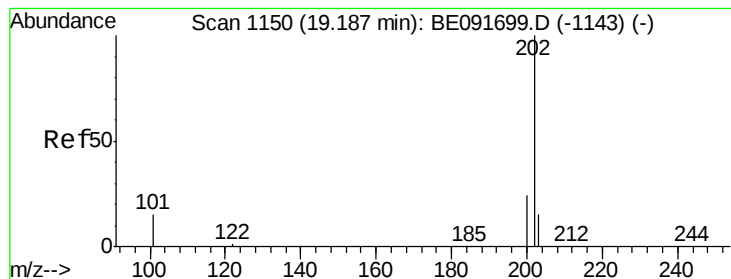


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.07 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

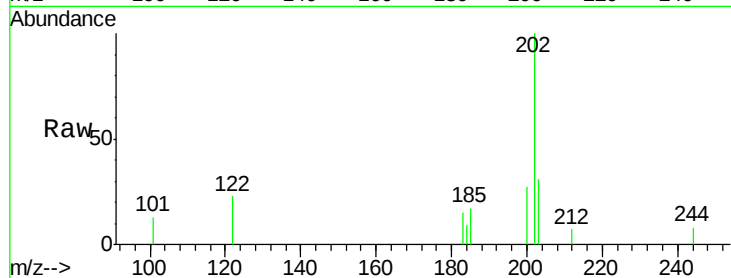
Tgt Ion:202 Resp: 4751

Ion Ratio Lower Upper

202 100

101 17.7 11.0 16.6#

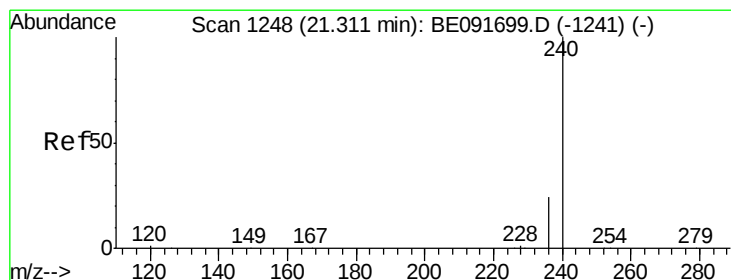
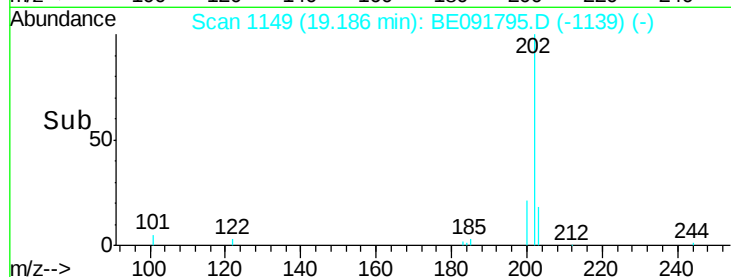
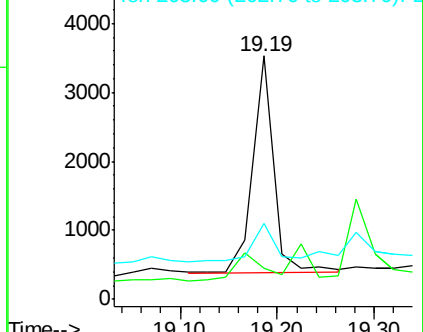
203 20.1 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

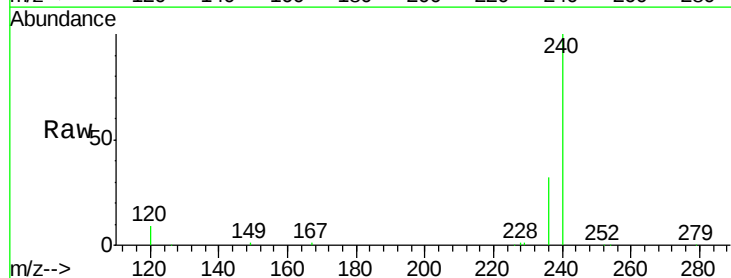
Tgt Ion:240 Resp: 310529

Ion Ratio Lower Upper

240 100

120 9.3 11.0 16.4#

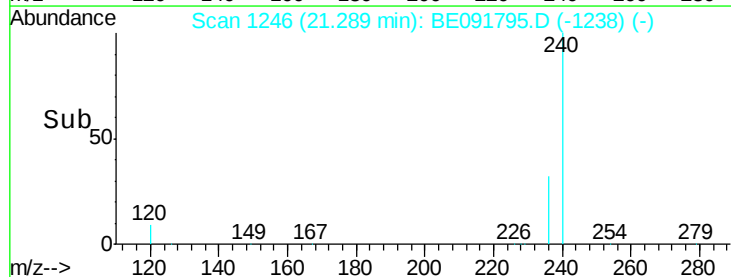
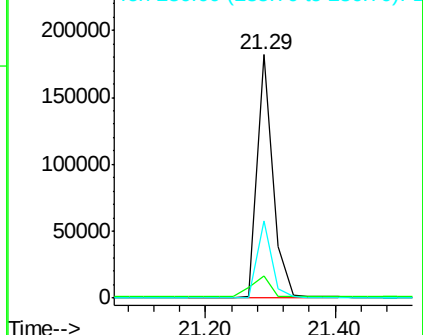
236 31.9 21.7 32.5

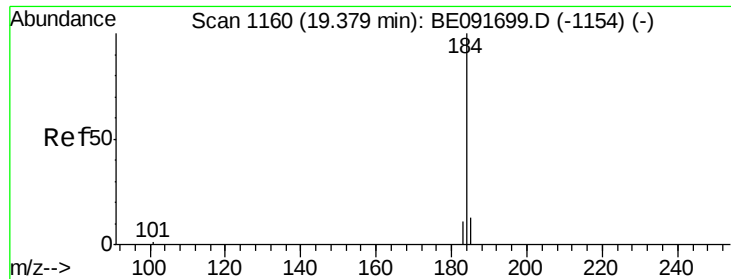


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.17 ng

RT: 19.38 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

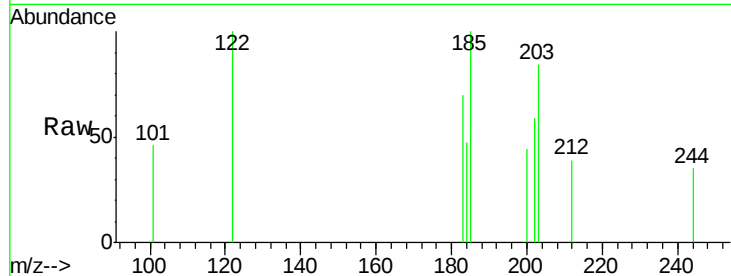
Tgt Ion:184 Resp: 305

Ion Ratio Lower Upper

184 100

185 212.2 22.3 33.5#

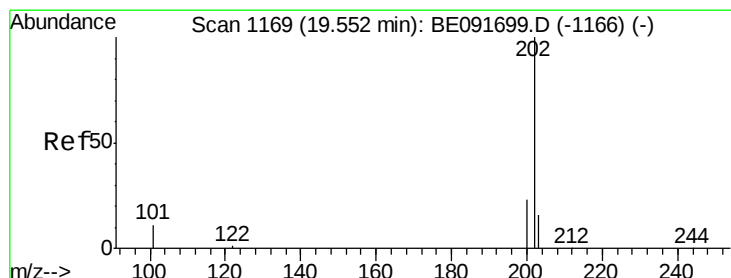
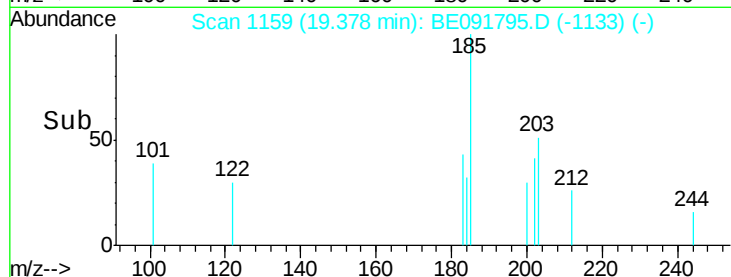
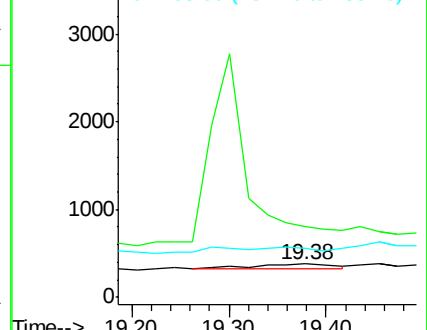
183 148.3 16.4 24.6#



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



#28

Pyrene

Concen: 0.11 ng

RT: 19.55 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

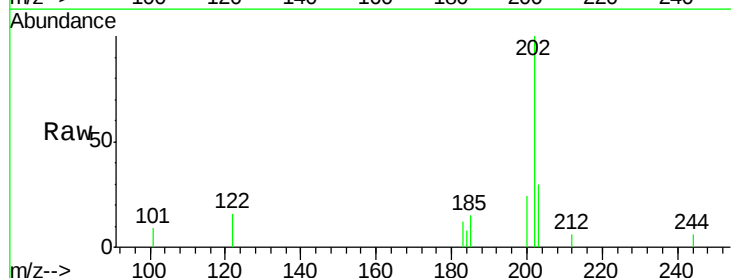
Tgt Ion:202 Resp: 7773

Ion Ratio Lower Upper

202 100

200 22.5 16.8 25.2

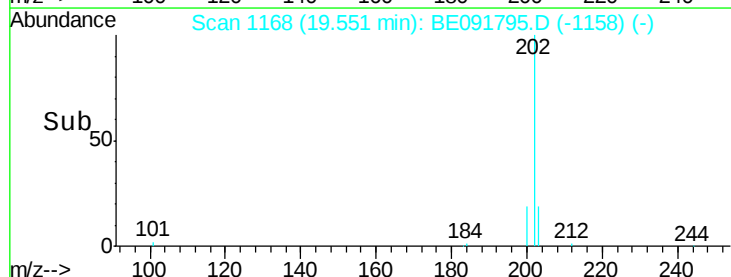
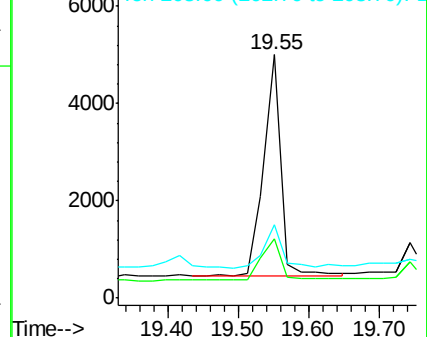
203 20.2 14.0 21.0

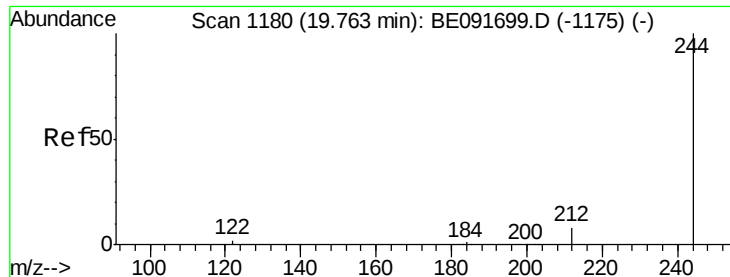


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.59 ng

RT: 19.74 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

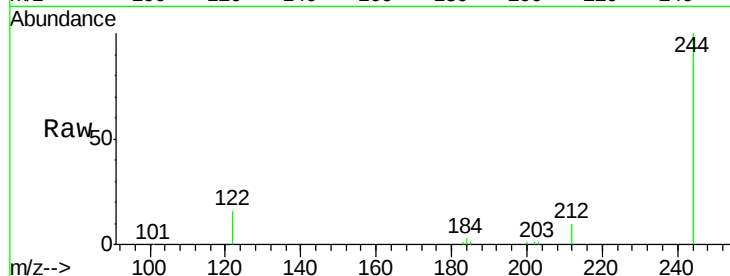
Tgt Ion:244 Resp: 222473

Ion Ratio Lower Upper

244 100

212 10.0 6.9 10.3

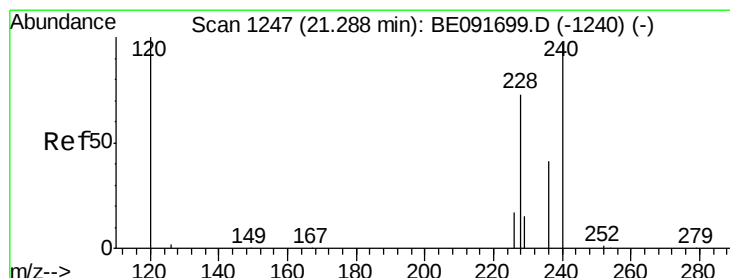
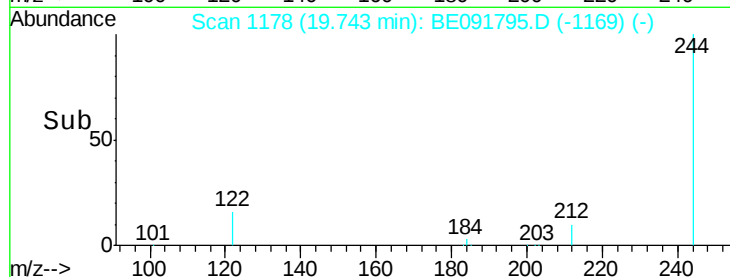
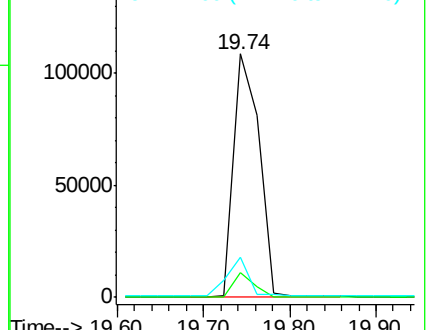
122 16.3 11.0 16.4



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: 0.04 ng

RT: 21.29 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

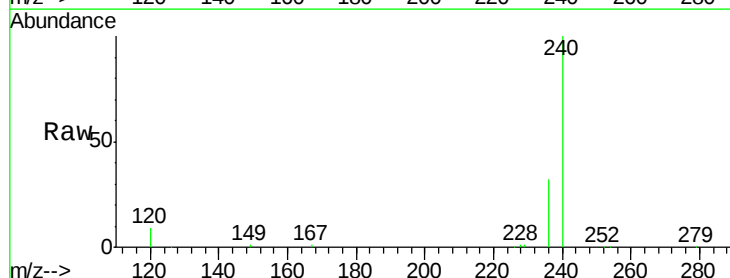
Tgt Ion:228 Resp: 2721

Ion Ratio Lower Upper

228 100

226 42.1 21.0 31.4#

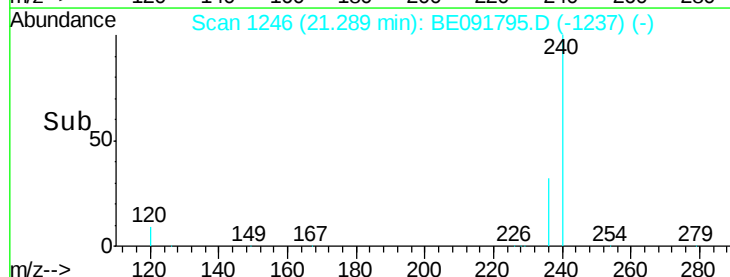
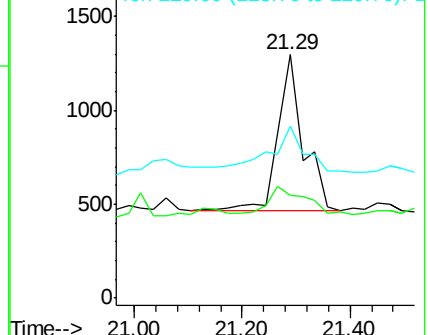
229 70.6 15.7 23.5#

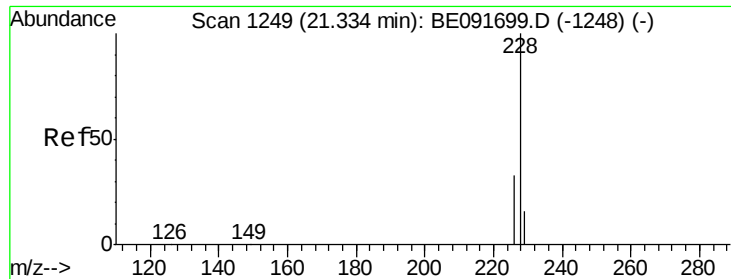


Abundance Ion 228.00 (227.70 to 228.70): E

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# 1246

Delta R.T. -0.05 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

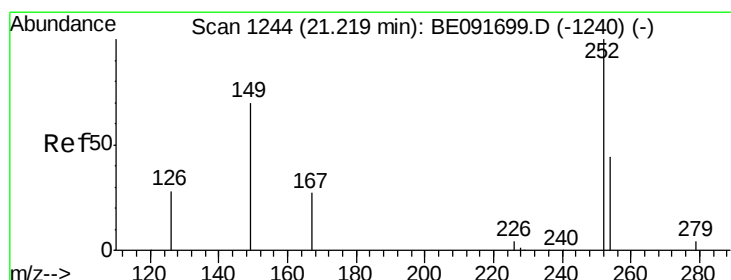
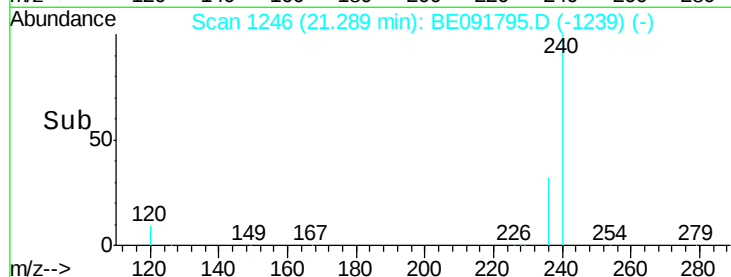
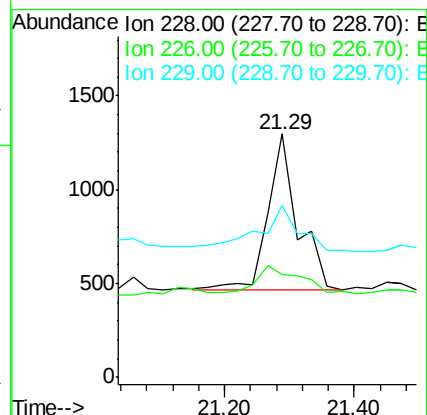
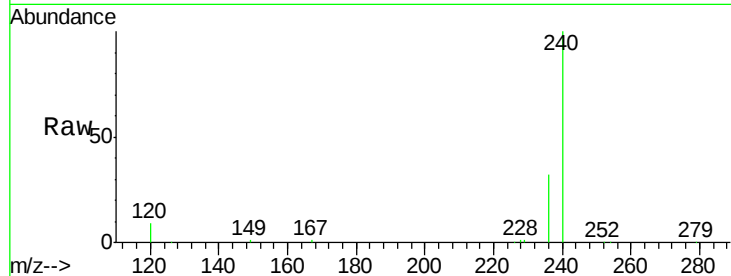
Tgt Ion:228 Resp: 2675

Ion Ratio Lower Upper

228 100

226 42.1 24.0 36.0#

229 70.6 15.9 23.9#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

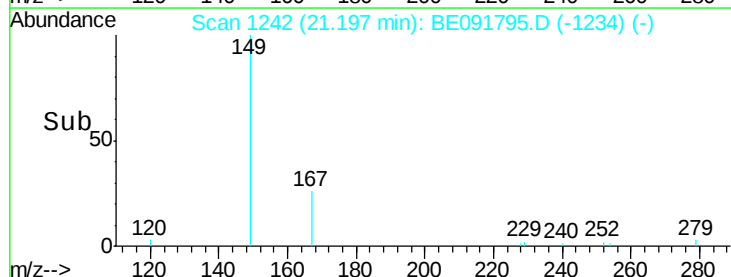
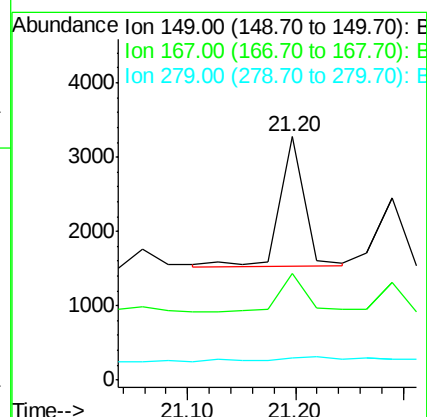
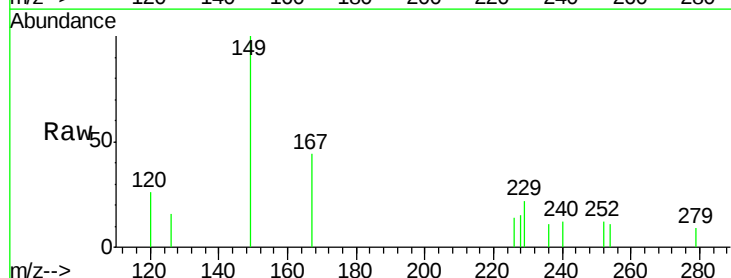
Tgt Ion:149 Resp: 2864

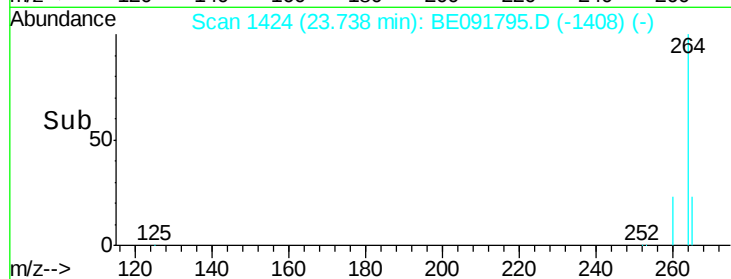
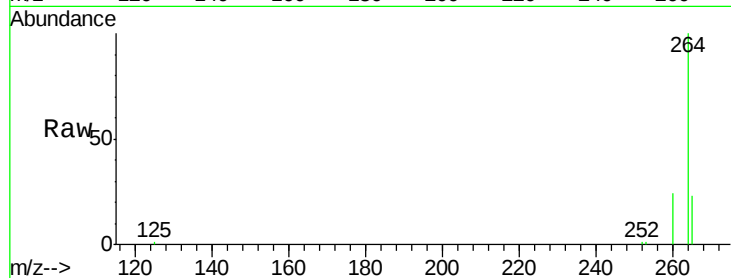
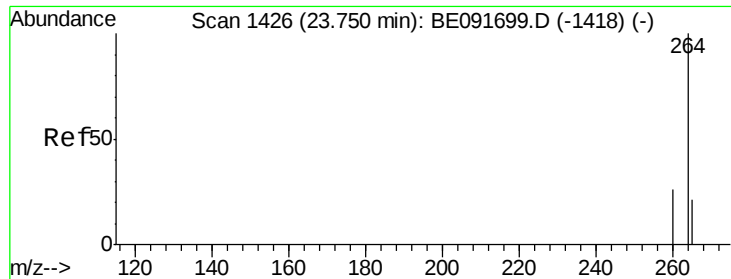
Ion Ratio Lower Upper

149 100

167 35.4 19.5 29.3#

279 0.0 10.0 15.0#





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.74 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BE091795.D

Acq: 18 May 2016 19:06

Instrument :

BNA_E

ClientSampleId :

LF017MW005-160511

Tgt Ion: 264 Resp: 307292

Ion Ratio Lower Upper

264 100

260 23.6 20.0 30.0

265 23.2 17.5 26.3

