

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051916\
 Data File : BE091835.D
 Acq On : 20 May 2016 13:31
 Operator : UM/SJ
 Sample : PB90761BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90761BL

Quant Time: May 20 16:56:40 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

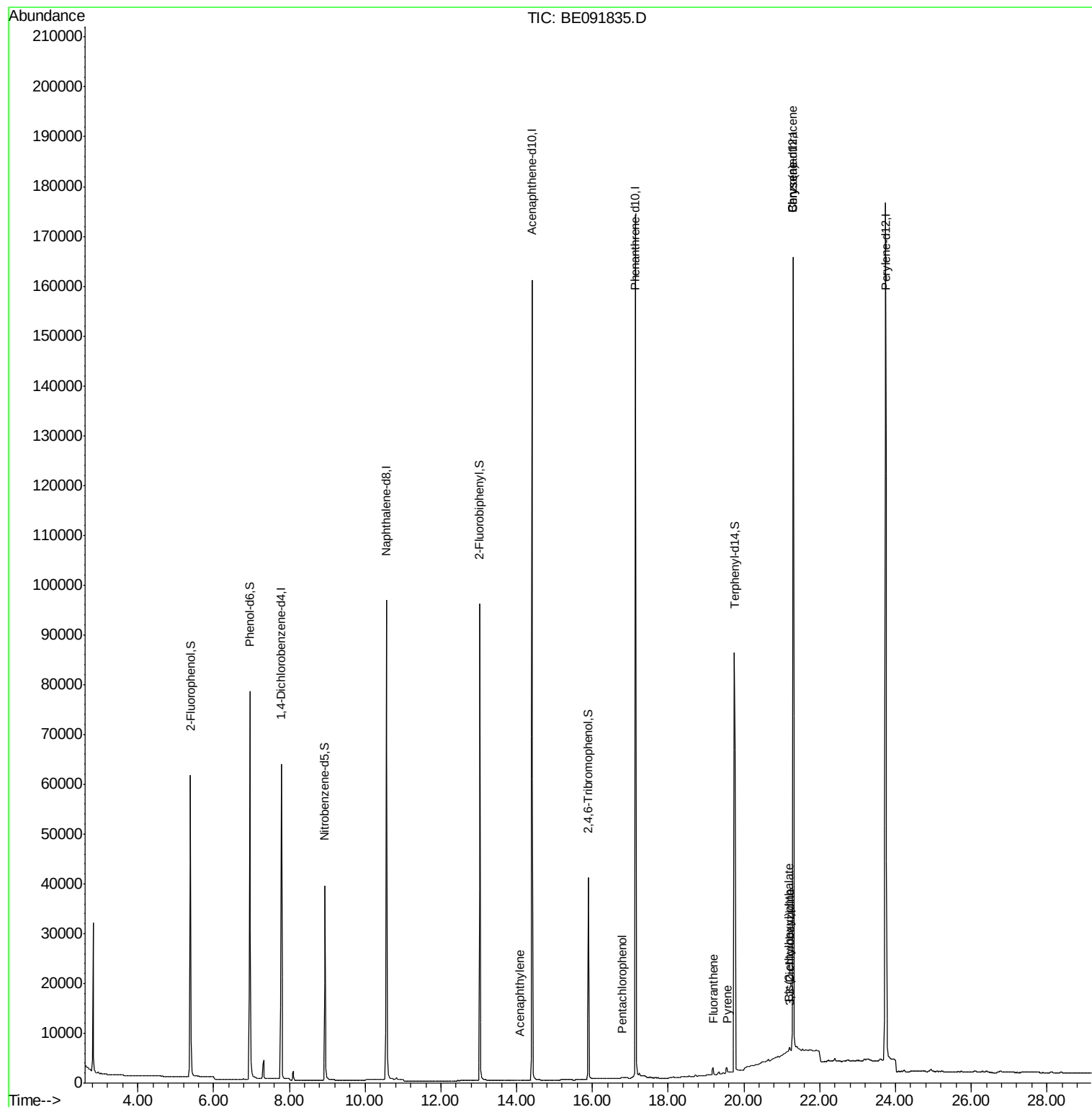
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	31568	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	160181	5.00	ng	-0.02
13) Acenaphthene-d10	14.40	164	97634	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	260802	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	227166	5.00	ng	-0.02
35) Perylene-d12	23.74	264	250272	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	56545	6.85	ng	0.00
5) Phenol-d6	6.95	99	85535	7.36	ng	0.00
8) Nitrobenzene-d5	8.93	82	38446	3.62	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	27728	7.31	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	94392	3.42	ng	-0.01
29) Terphenyl-d14	19.74	244	144767	4.50	ng	-0.02
Target Compounds						
16) Acenaphthylene	14.10	152	1123	0.03	ng	# 72
22) Pentachlorophenol	16.79	266	139	0.03	ng	# 86
23) Phenanthrene	17.14	178	4729	Below Cal	#	60
25) Fluoranthene	19.19	202	1954	0.03	ng	# 96
27) Benzidine	19.36	184	312	Below Cal	#	1
28) Pyrene	19.55	202	1950	0.04	ng	# 85
30) Benzo(a)anthracene	21.29	228	2471	0.05	ng	# 1
31) 3,3'-Dichlorobenzidine	21.22	252	1690	0.05	ng	# 60
32) Chrysene	21.29	228	2171	0.09	ng	# 1
33) Bis(2-ethylhexyl)phthalate	21.20	149	2129	0.31	ng	# 44

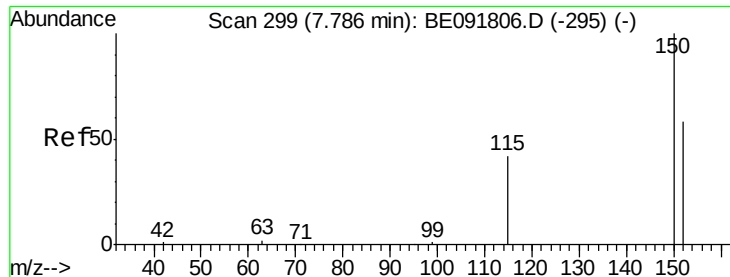
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

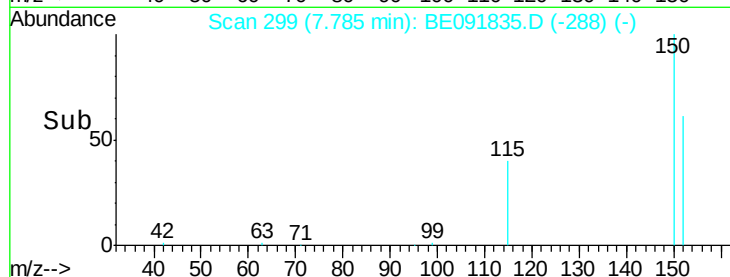
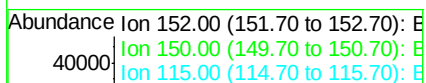
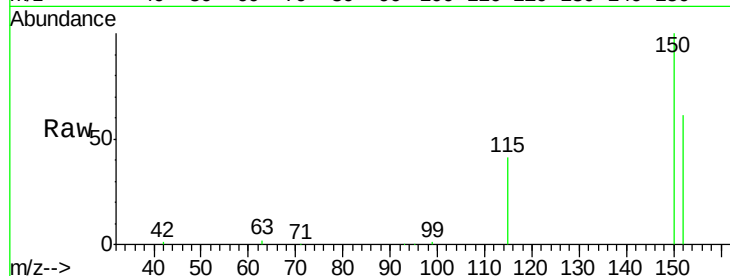
Tgt Ion:152 Resp: 31568

Ion Ratio Lower Upper

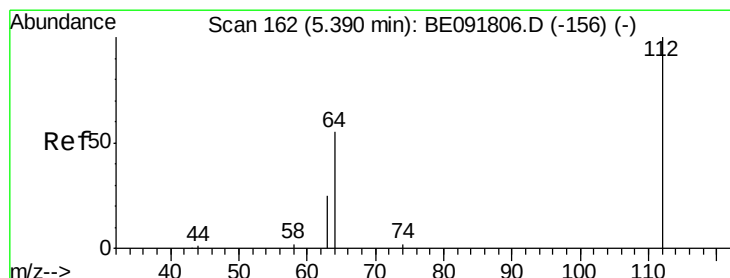
152 100

150 163.2 122.6 183.8

115 66.2 52.8 79.2



Time-->



#4

2-Fluorophenol

Concen: 6.85 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

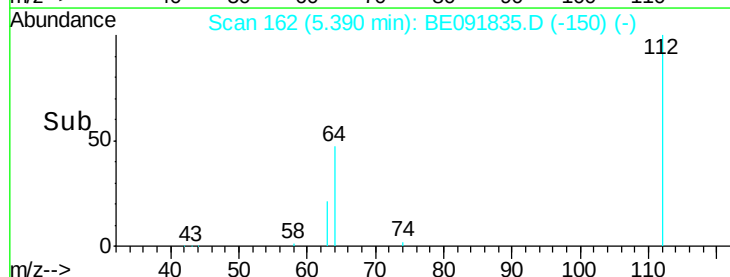
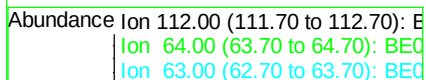
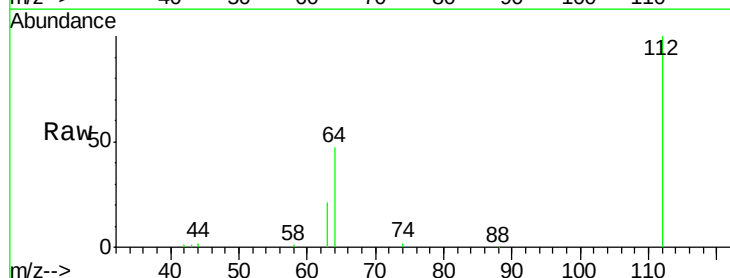
Tgt Ion:112 Resp: 56545

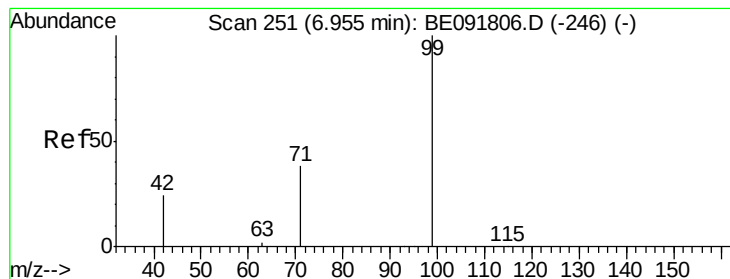
Ion Ratio Lower Upper

112 100

64 67.2 30.9 46.3#

63 35.8 16.7 25.1#





#5

Phenol-d6

Concen: 7.36 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

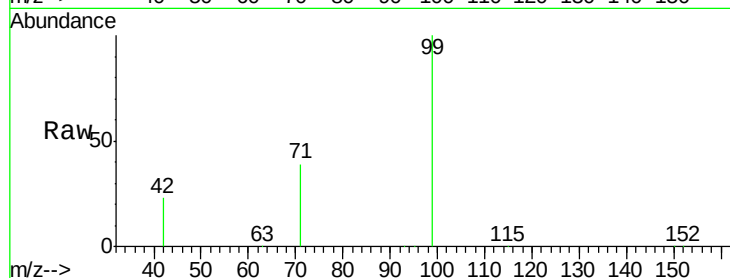
Tgt Ion: 99 Resp: 85535

Ion Ratio Lower Upper

99 100

42 23.5 16.2 24.2

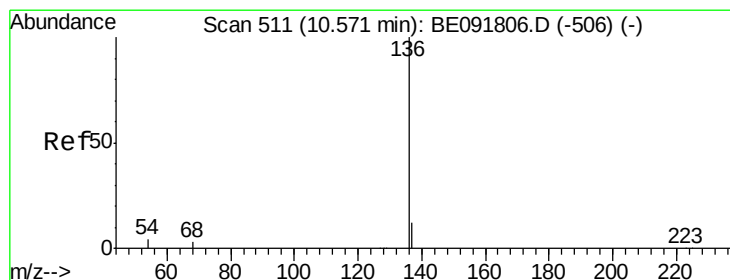
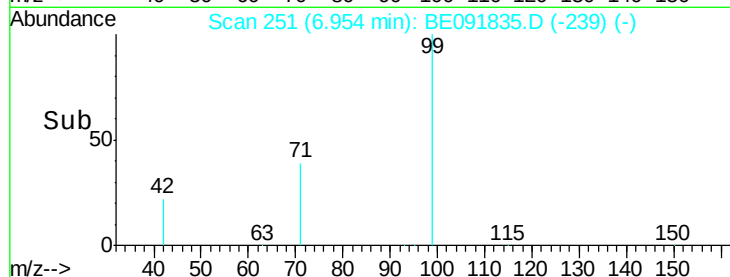
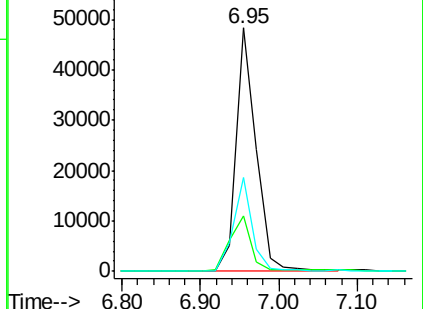
71 36.0 29.0 43.4



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: BE091835.D

Acq: 20 May 2016 13:31

Tgt Ion: 136 Resp: 160181

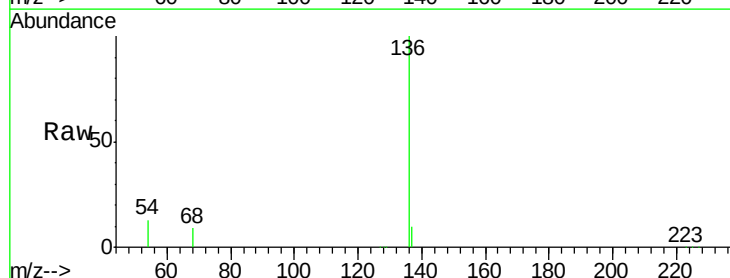
Ion Ratio Lower Upper

136 100

137 9.9 8.9 13.3

54 13.2 8.2 12.4#

68 9.2 6.2 9.4

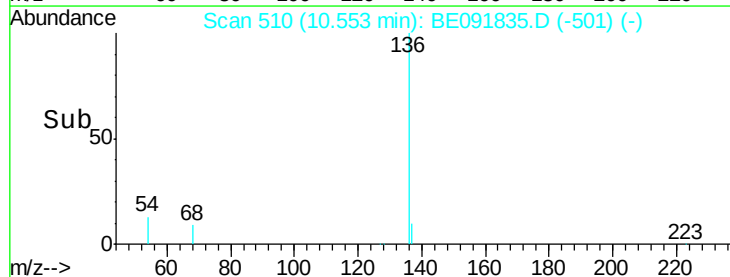
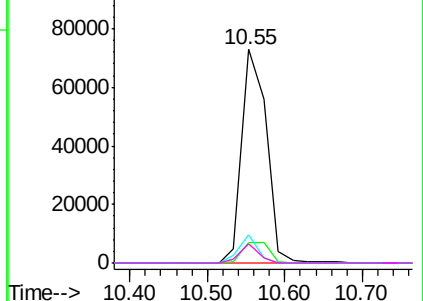


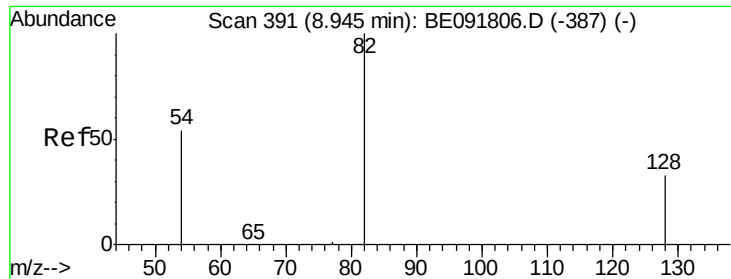
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.62 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

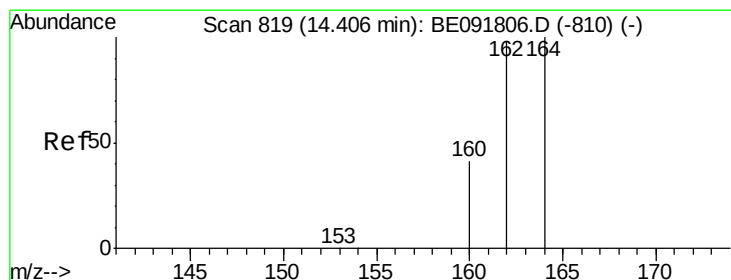
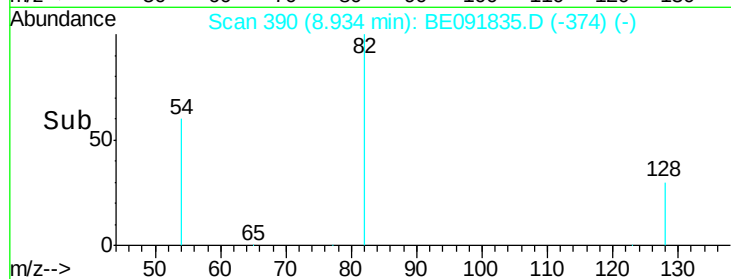
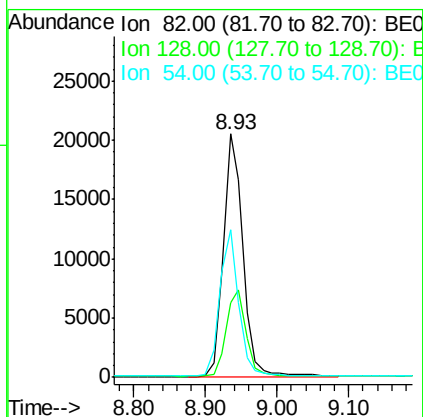
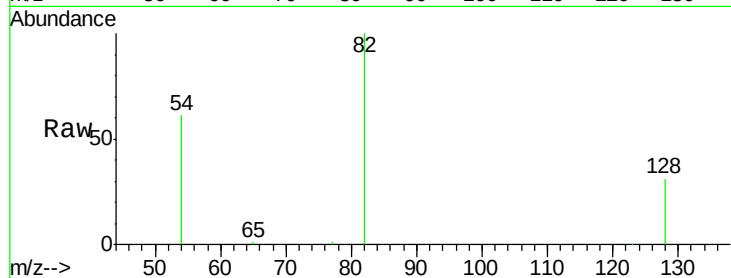
Tgt Ion: 82 Resp: 38446

Ion Ratio Lower Upper

82 100

128 30.7 25.4 38.0

54 60.5 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: BE091835.D

Acq: 20 May 2016 13:31

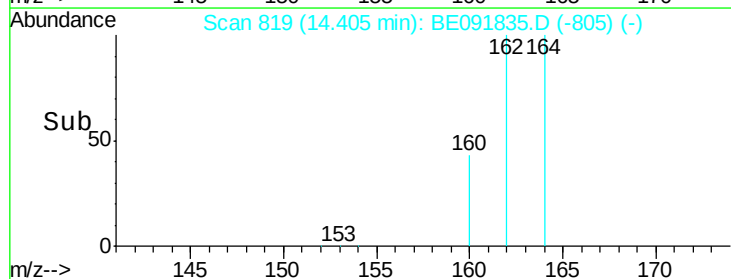
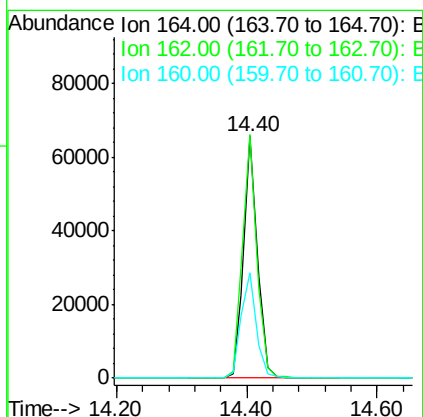
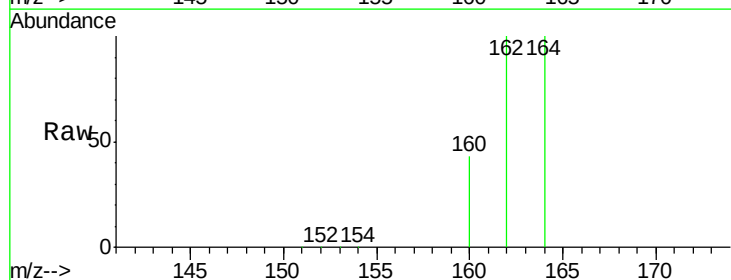
Tgt Ion: 164 Resp: 97634

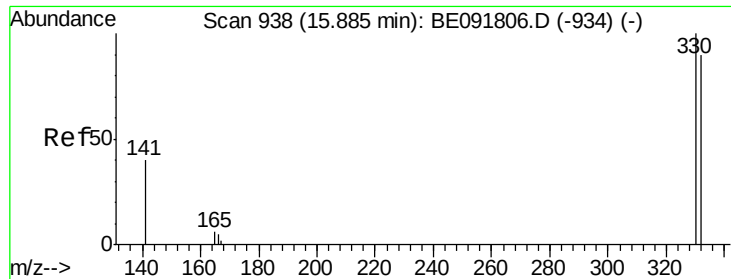
Ion Ratio Lower Upper

164 100

162 100.5 85.3 127.9

160 43.5 46.2 69.2#

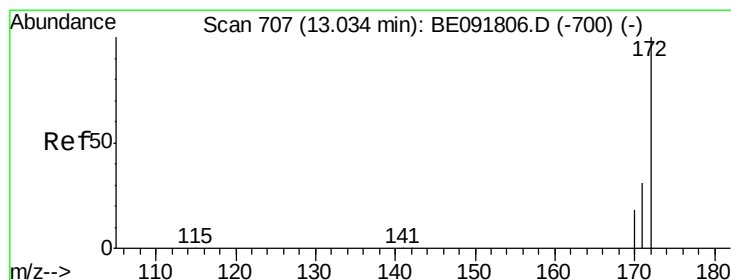
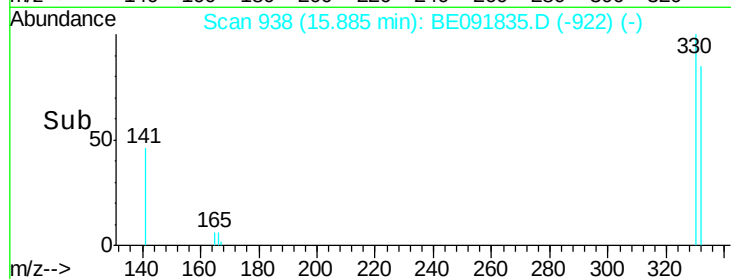
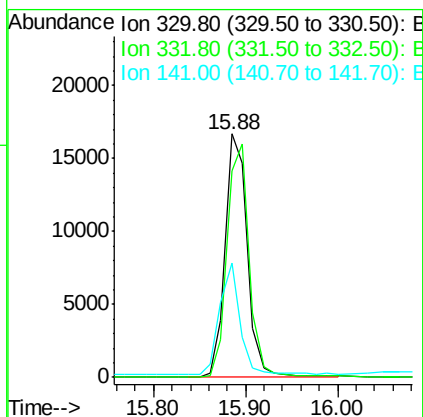
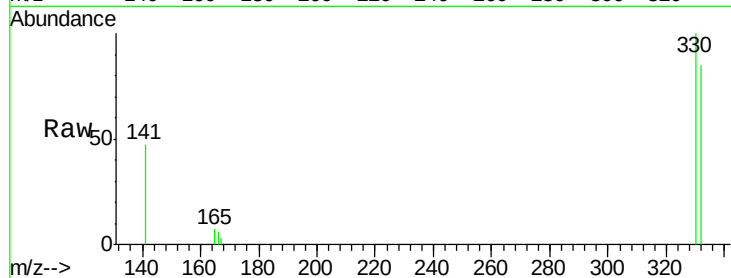




#14
 2,4,6-Tribromophenol
 Concen: 7.31 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091835.D
 Acq: 20 May 2016 13:31

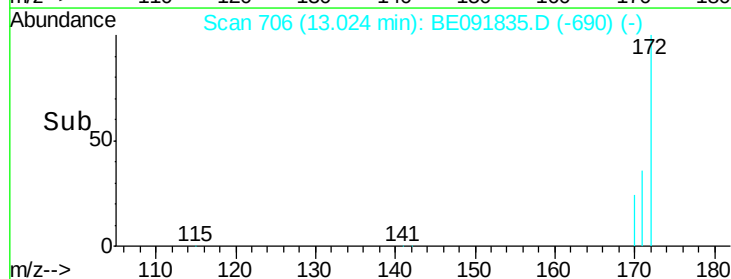
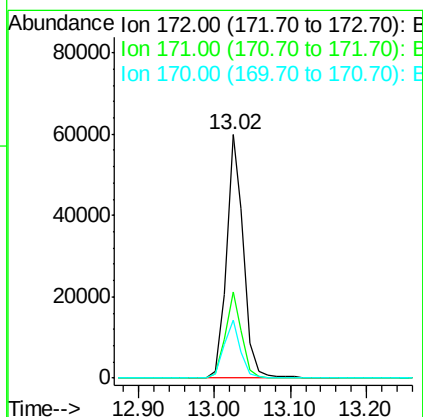
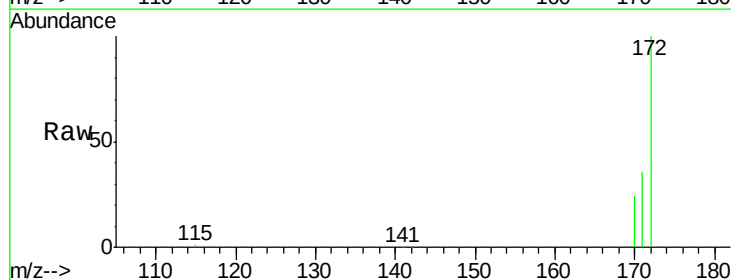
Instrument :
 BNA_E
 ClientSampleId :
 PB90761BL

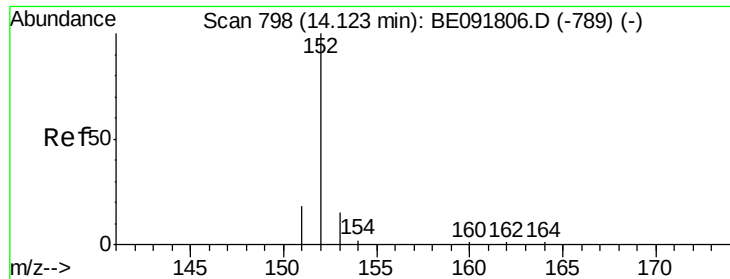
Tgt Ion:330 Resp: 27728
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.1 118.7
 141 41.6 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.42 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091835.D
 Acq: 20 May 2016 13:31

Tgt Ion:172 Resp: 94392
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.8 43.2
 170 24.1 19.3 28.9





#16

Acenaphthylene

Concen: 0.03 ng

RT: 14.10 min Scan# 796

Delta R.T. -0.03 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

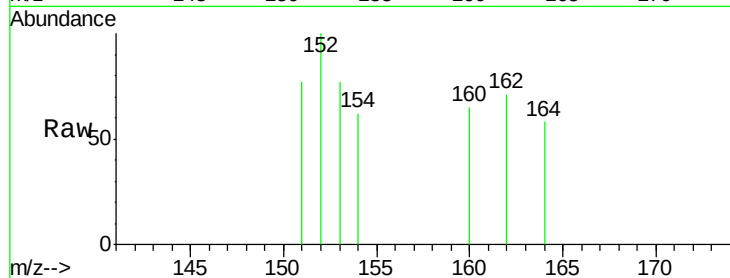
Tgt Ion:152 Resp: 1123

Ion Ratio Lower Upper

152 100

151 0.0 3.9 5.9#

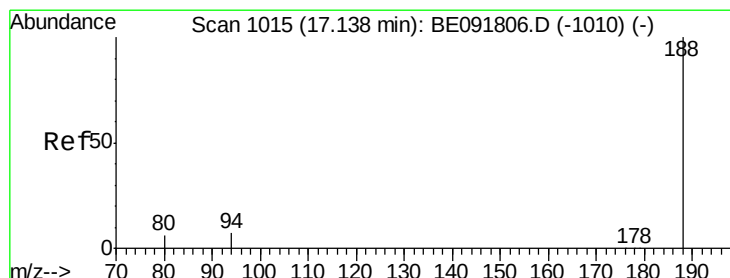
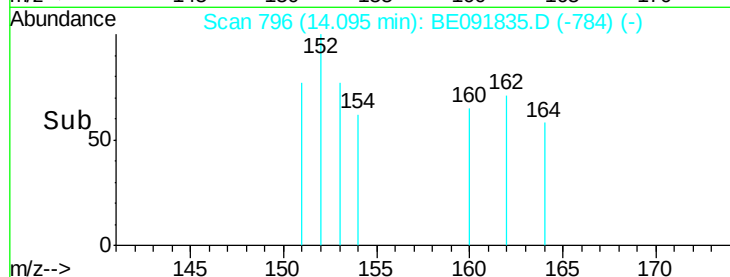
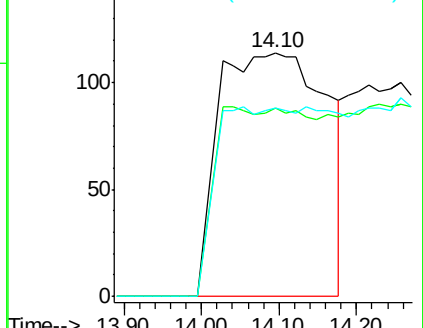
153 0.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

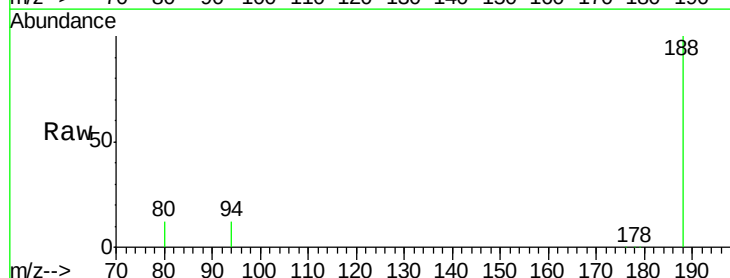
Tgt Ion:188 Resp: 260802

Ion Ratio Lower Upper

188 100

94 11.8 8.7 13.1

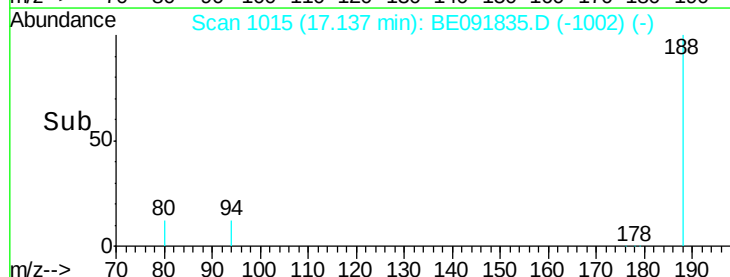
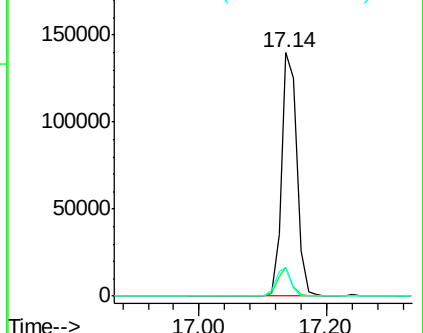
80 12.0 9.4 14.0

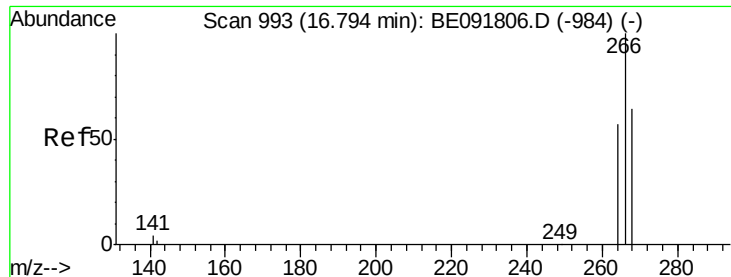


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.03 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

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PB90761BL

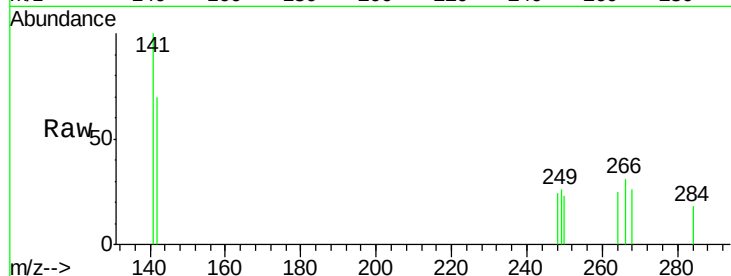
Tgt Ion:266 Resp: 139

Ion Ratio Lower Upper

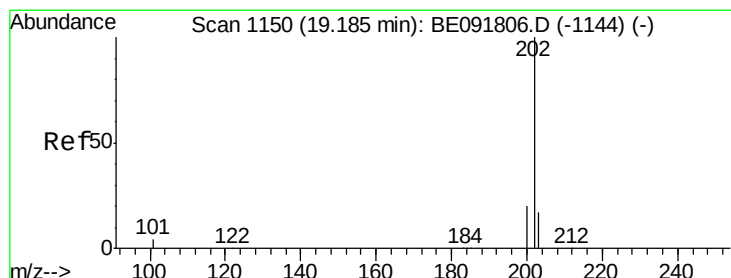
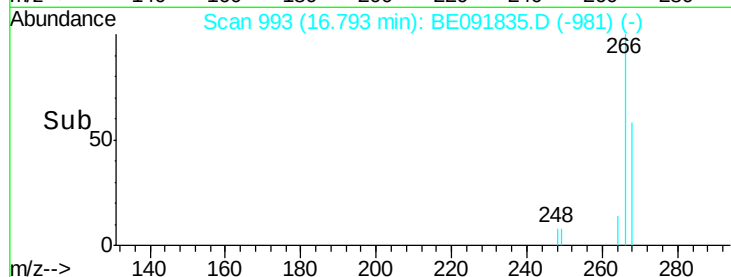
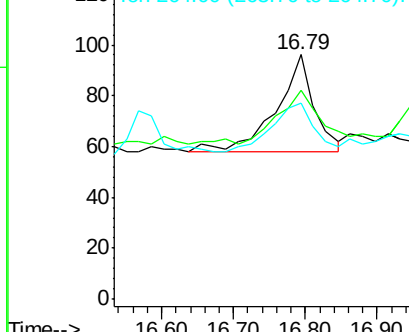
266 100

268 85.4 58.2 87.2

264 80.2 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



#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

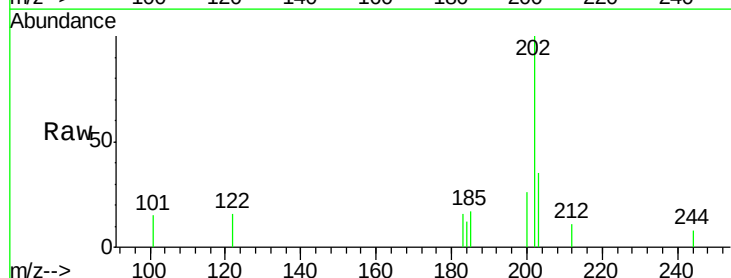
Tgt Ion:202 Resp: 1954

Ion Ratio Lower Upper

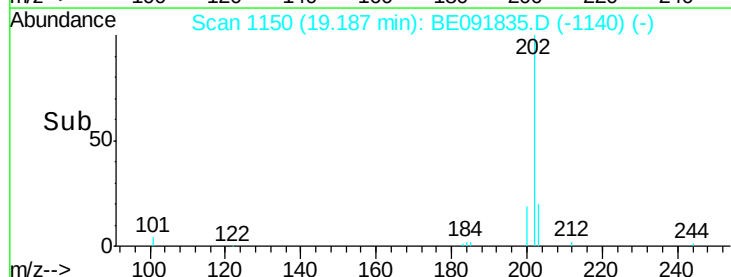
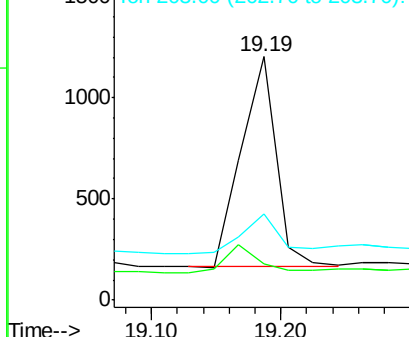
202 100

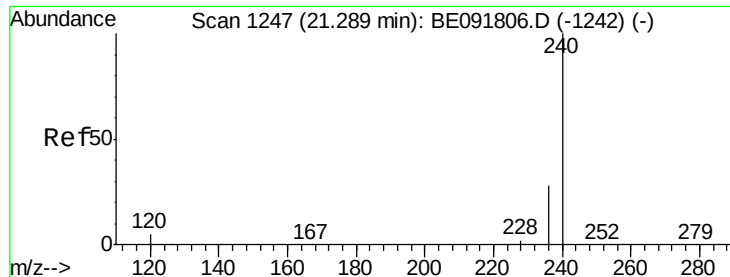
101 12.7 11.0 16.6

203 20.0 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

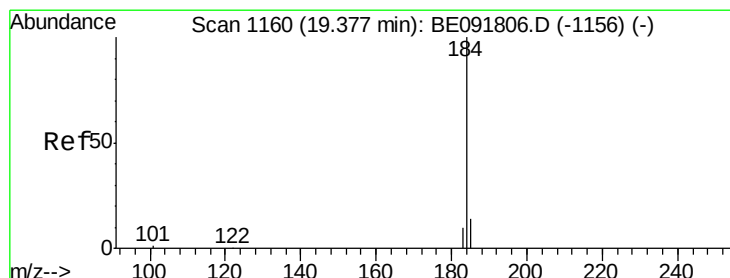
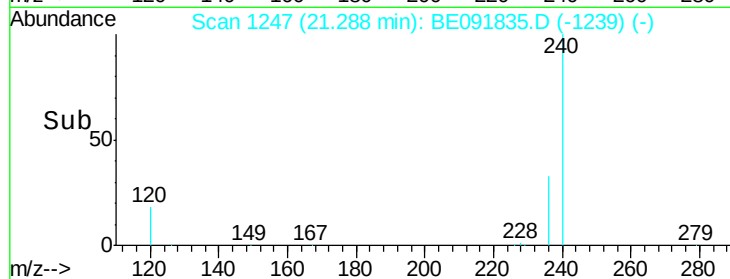
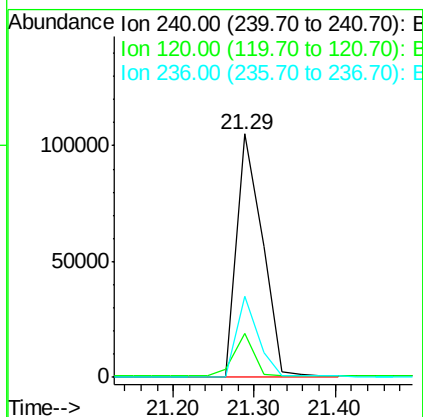
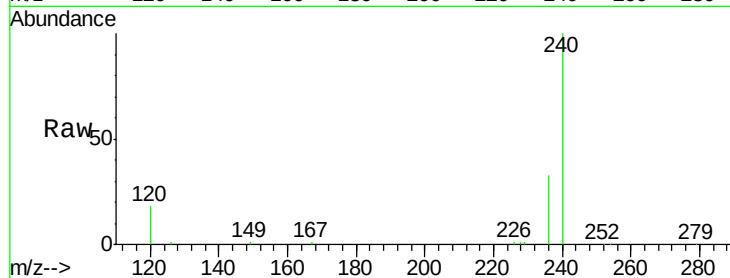




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BE091835.D
 Acq: 20 May 2016 13:31

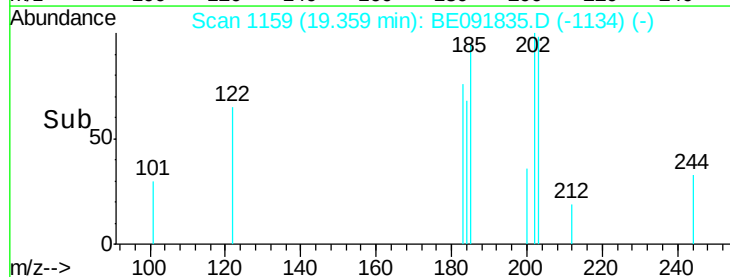
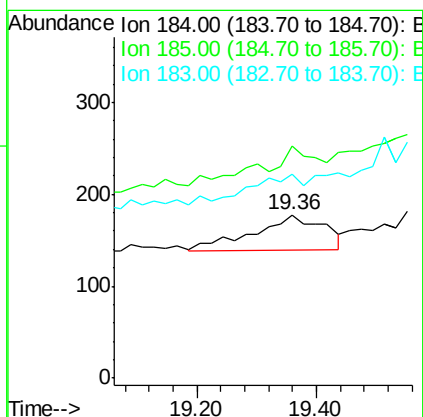
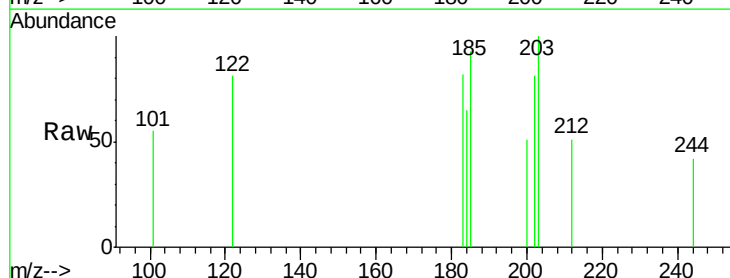
Instrument :
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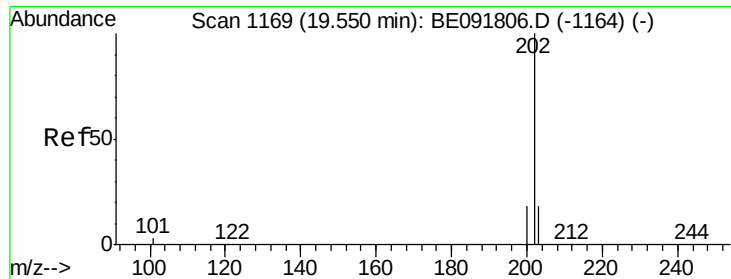
Tgt Ion:240 Resp: 227166
 Ion Ratio Lower Upper
 240 100
 120 18.1 11.0 16.4#
 236 33.3 21.7 32.5#



#27
 Benzidine
 Concen: Below Cal
 RT: 19.36 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BE091835.D
 Acq: 20 May 2016 13:31

Tgt Ion:184 Resp: 312
 Ion Ratio Lower Upper
 184 100
 185 142.1 22.3 33.5#
 183 124.7 16.4 24.6#





#28

Pyrene

Concen: 0.04 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

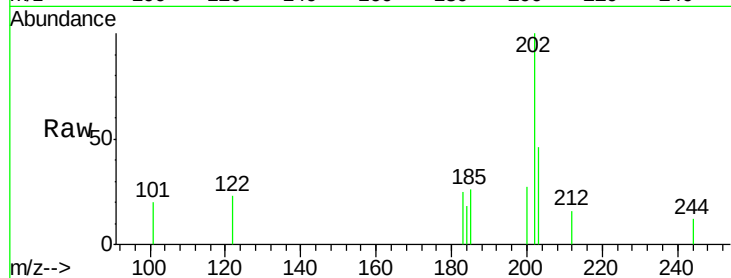
Tgt Ion:202 Resp: 1950

Ion Ratio Lower Upper

202 100

200 23.3 16.8 25.2

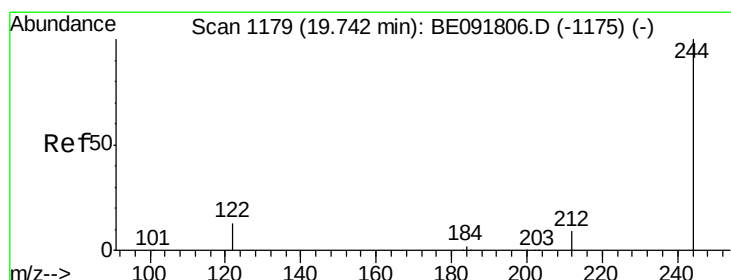
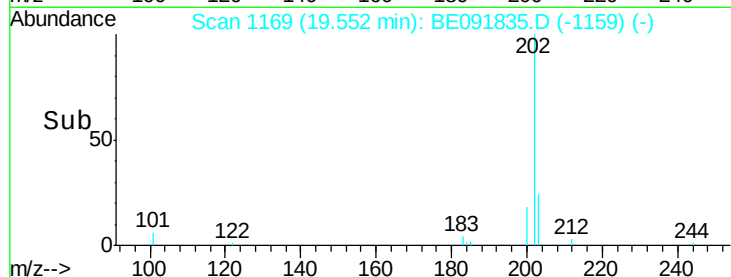
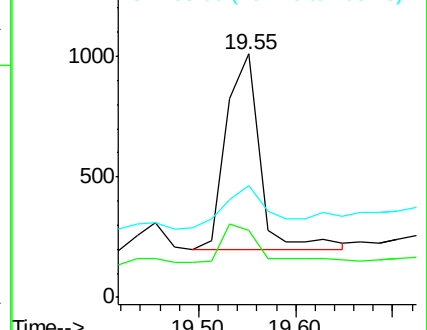
203 29.1 14.0 21.0#



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: 4.50 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

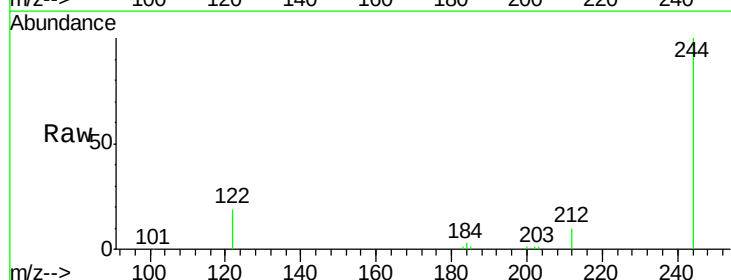
Tgt Ion:244 Resp: 144767

Ion Ratio Lower Upper

244 100

212 10.0 6.9 10.3

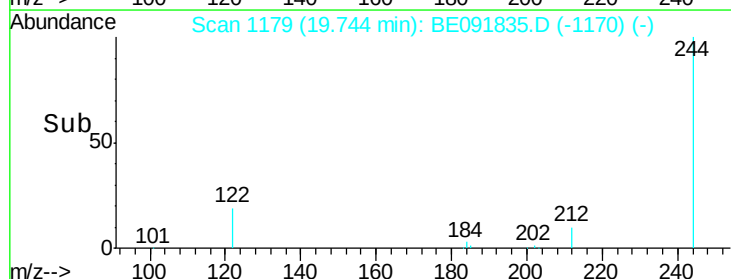
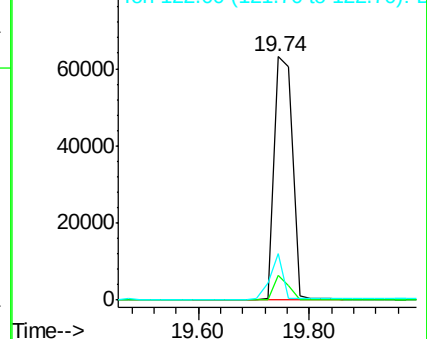
122 19.2 11.0 16.4#

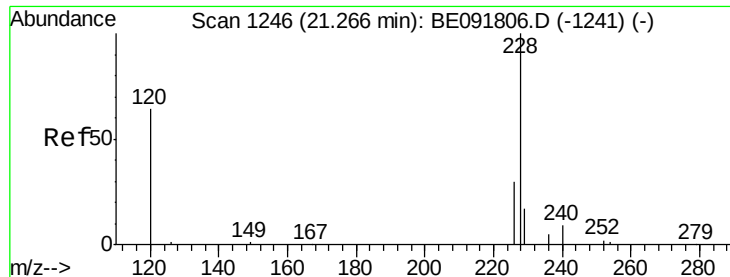


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampled :

PB90761BL

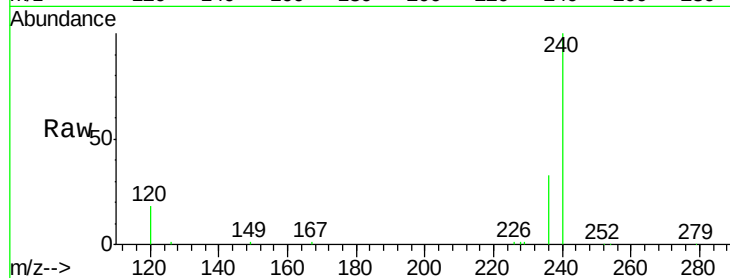
Tgt Ion:228 Resp: 2471

Ion Ratio Lower Upper

228 100

226 86.1 21.0 31.4#

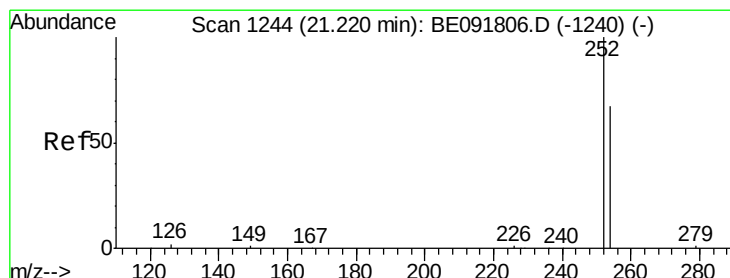
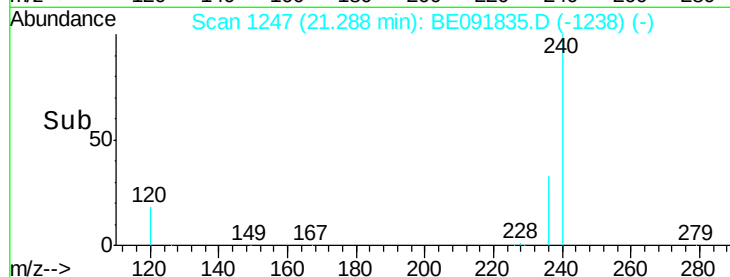
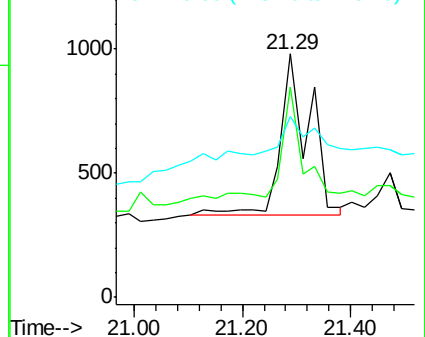
229 74.1 15.7 23.5#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.05 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

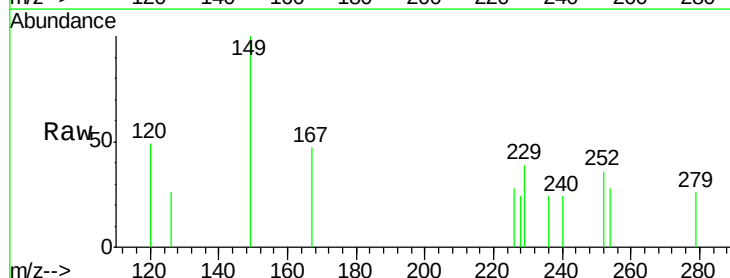
Tgt Ion:252 Resp: 1690

Ion Ratio Lower Upper

252 100

254 76.9 51.1 76.7#

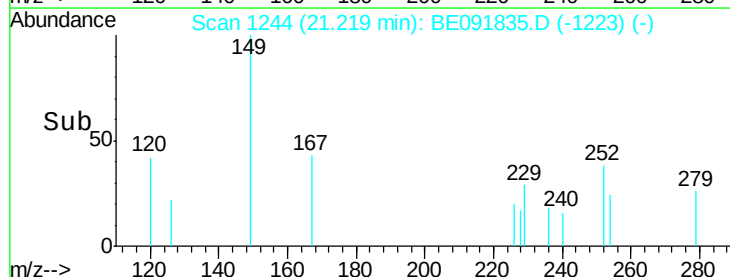
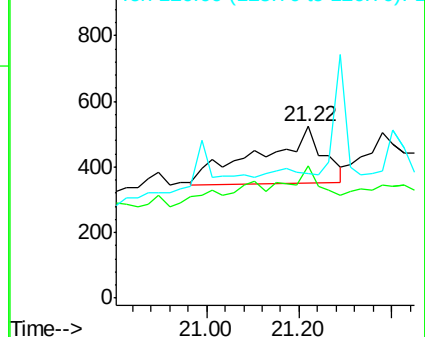
126 72.5 12.6 18.8#

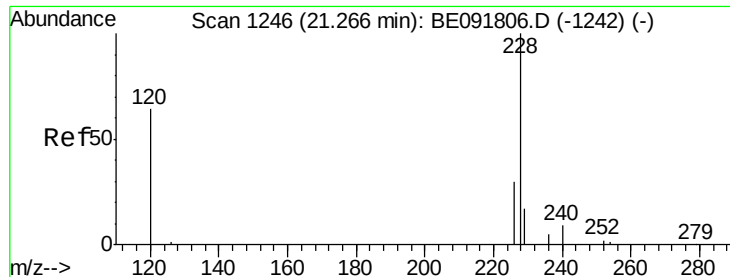


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.09 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

Instrument :

BNA_E

ClientSampleId :

PB90761BL

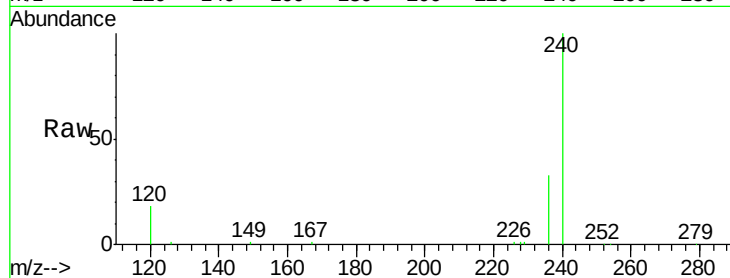
Tgt Ion:228 Resp: 2171

Ion Ratio Lower Upper

228 100

226 86.1 24.0 36.0#

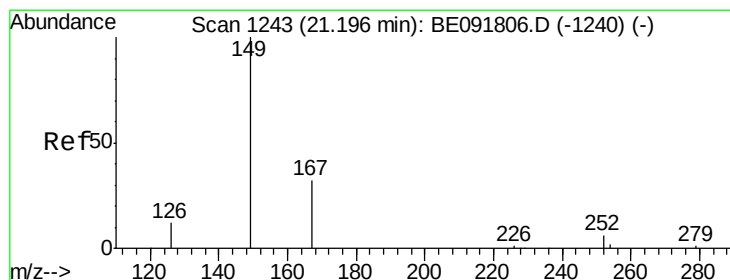
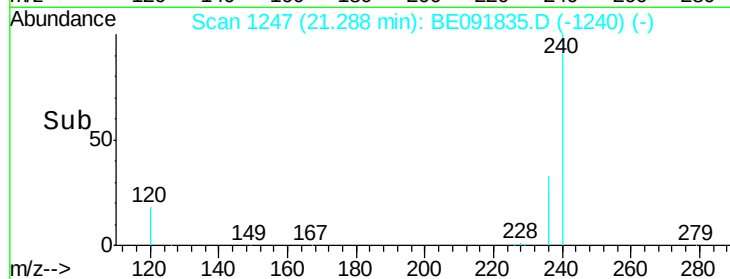
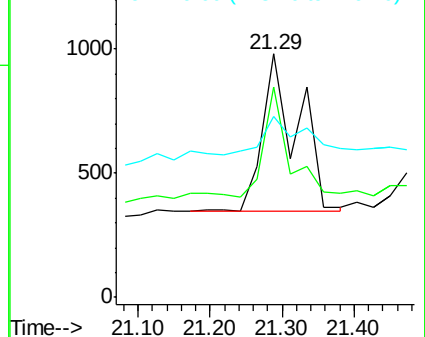
229 74.1 15.9 23.9#



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: 0.31 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091835.D

Acq: 20 May 2016 13:31

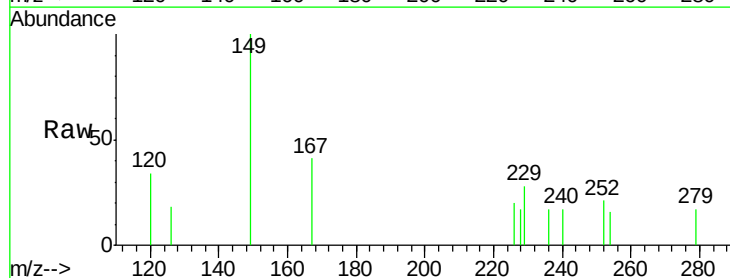
Tgt Ion:149 Resp: 2129

Ion Ratio Lower Upper

149 100

167 58.3 19.5 29.3#

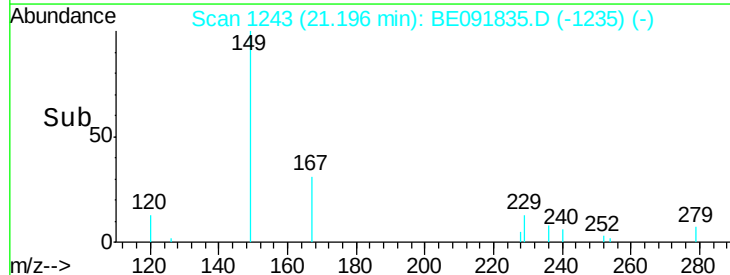
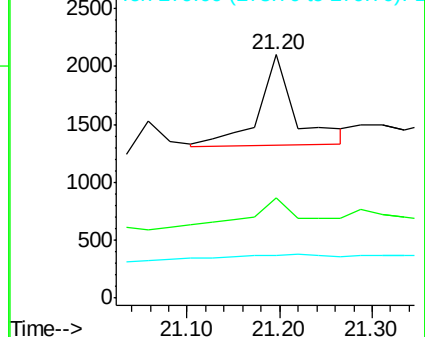
279 0.0 10.0 15.0#

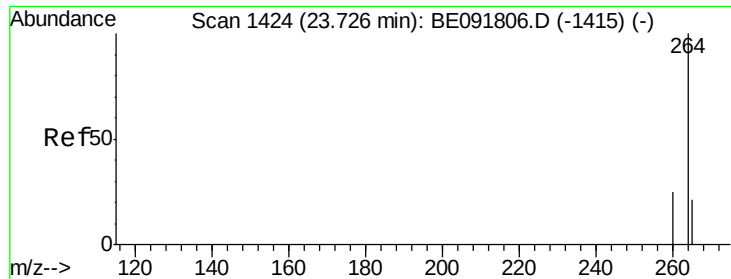


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

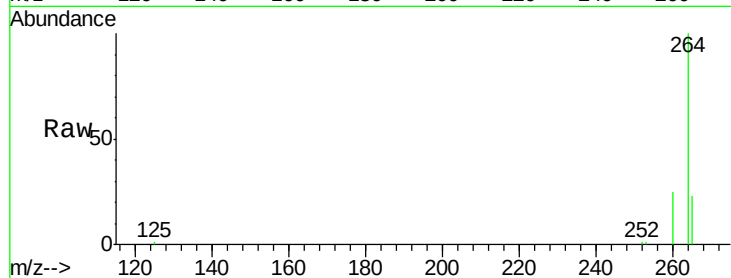




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091835.D
Acq: 20 May 2016 13:31

Instrument :
BNA_E
ClientSampleId :
PB90761BL

Tgt Ion: 264 Resp: 250272
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.7 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

