

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030617\
 Data File : BE092794.D
 Acq On : 6 Mar 2017 19:31
 Operator : SJ/MA
 Sample : PB97375BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB97375BL

Quant Time: Mar 07 02:18:25 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 15:46:01 2017
 Response via : Initial Calibration

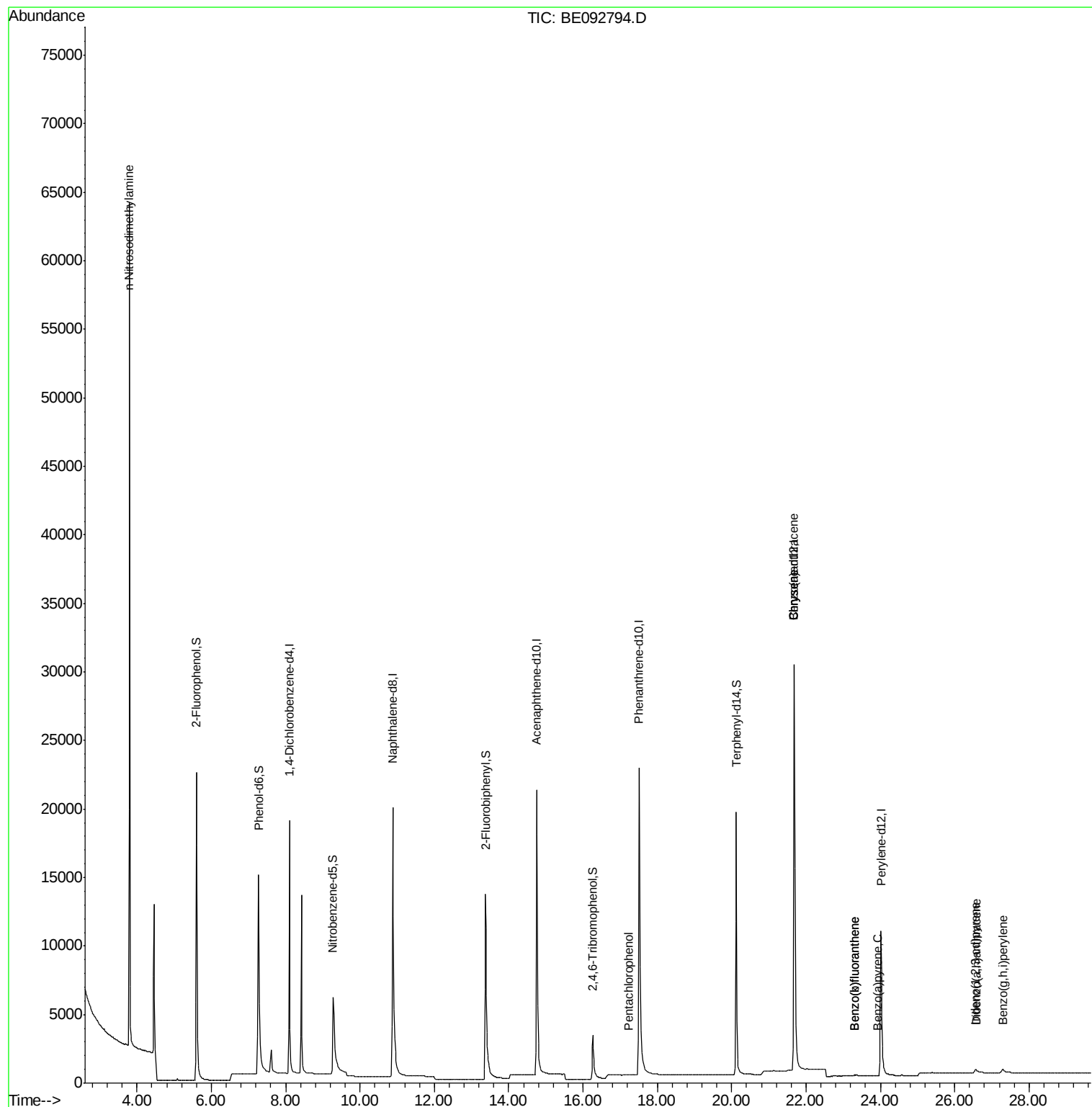
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	11056	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	43088	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	20225	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	46588	5.00	ng	0.00
24) Chrysene-d12	21.68	240	49795	5.00	ng	-0.02
31) Perylene-d12	24.02	264	20141	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.60	112	21151	9.04	ng	-0.03
5) Phenol-d6	7.27	99	23410	8.40	ng	-0.04
8) Nitrobenzene-d5	9.27	82	11051	4.20	ng	-0.04
13) 2,4,6-Tribromophenol	16.26	330	4222	7.93	ng	-0.02
14) 2-Fluorobiphenyl	13.38	172	23977	5.03	ng	-0.02
26) Terphenyl-d14	20.12	244	31344	5.22	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.34	88	74	Below Cal	#	19
3) n-Nitrosodimethylamine	3.79	42	2057	1.11 ng	#	1
20) Pentachlorophenol	17.23	266	12	0.10 ng	#	70
27) Benzo(a)anthracene	21.68	228	1195	0.09 ng	#	58
28) Chrysene	21.68	228	1206	0.03 ng	#	72
30) Indeno(1,2,3-cd)pyrene	26.57	276	1067	0.02 ng		98
32) Benzo(b)fluoranthene	23.31	252	177	0.03 ng	#	1
33) Benzo(k)fluoranthene	23.31	252	177	0.03 ng	#	1
34) Benzo(a)pyrene	23.93	252	100	0.02 ng	#	1
35) Dibenzo(a,h)anthracene	26.58	278	193	0.04 ng	#	1
36) Benzo(g,h,i)perylene	27.30	276	1143	0.06 ng	#	17

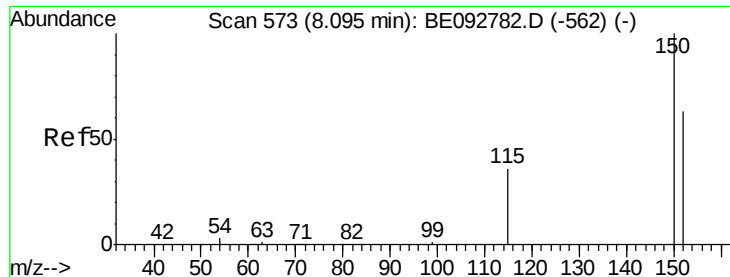
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

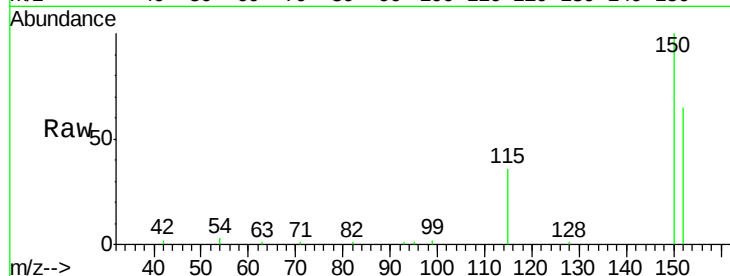
Tgt Ion:152 Resp: 11056

Ion Ratio Lower Upper

152 100

150 154.6 106.0 159.0

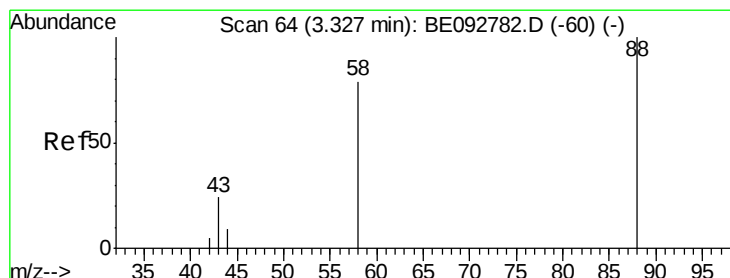
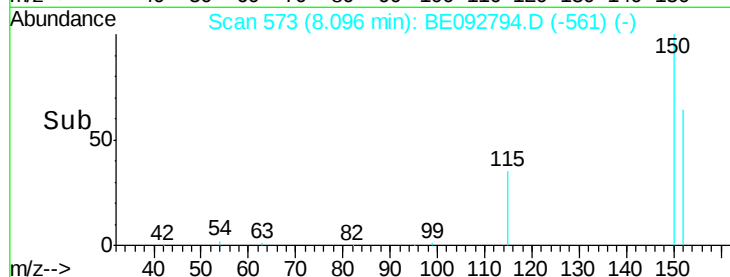
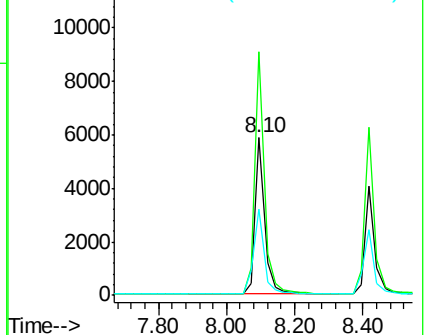
115 55.0 31.2 46.8#



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: 3.34 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

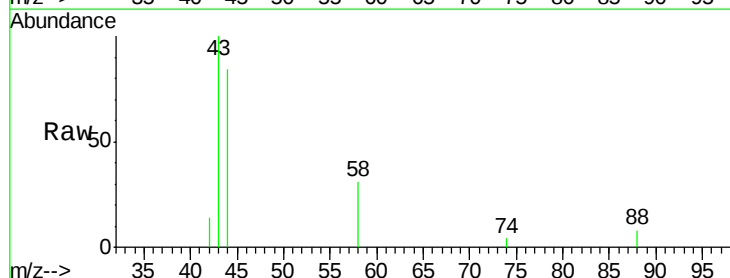
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

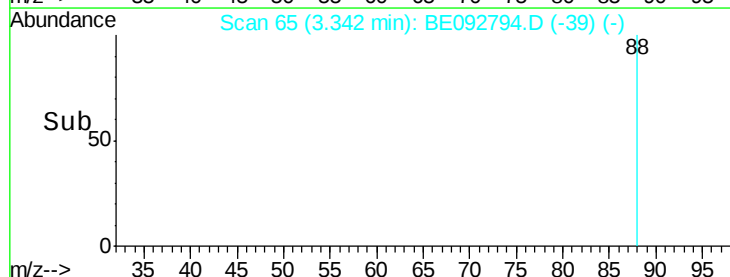
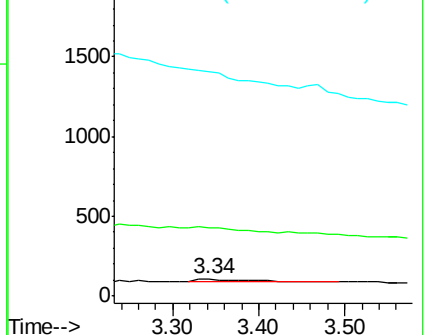
43 0.0 28.0 42.0#

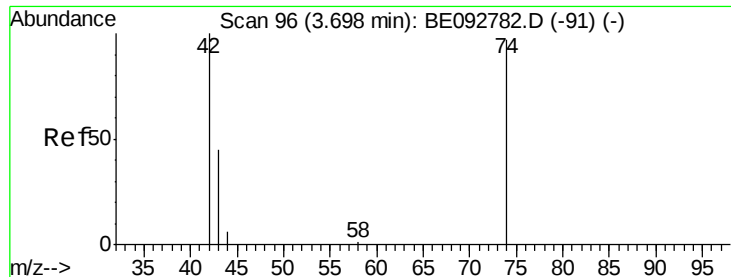


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.11 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.06 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

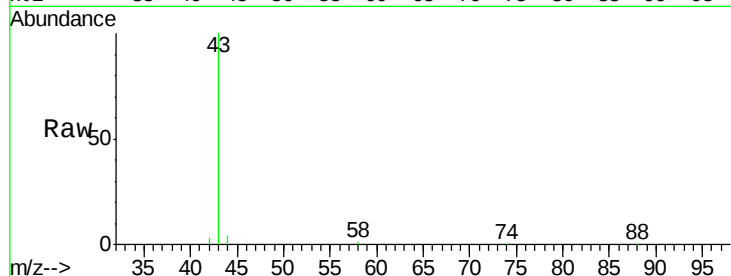
Tgt Ion: 42 Resp: 2057

Ion Ratio Lower Upper

42 100

74 2.6 86.0 129.0#

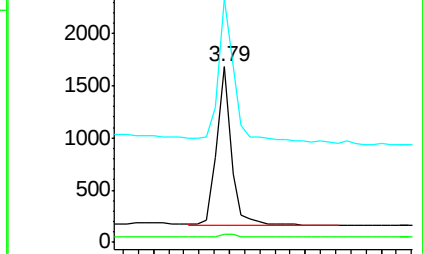
44 108.0 5.1 7.7#



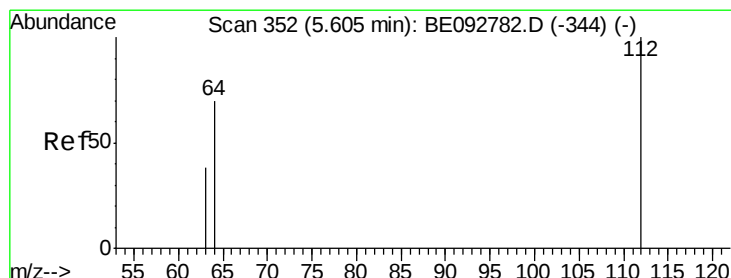
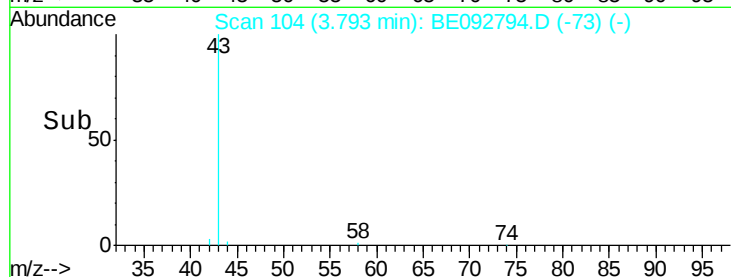
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 9.04 ng

RT: 5.60 min Scan# 351

Delta R.T. -0.03 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

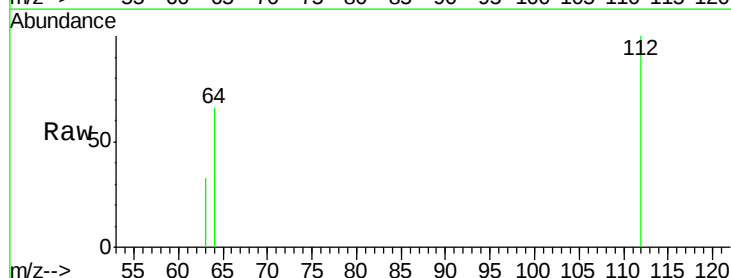
Tgt Ion: 112 Resp: 21151

Ion Ratio Lower Upper

112 100

64 68.5 53.5 80.3

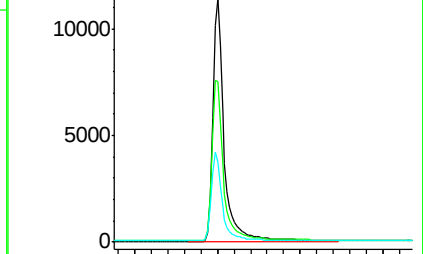
63 36.2 27.9 41.9



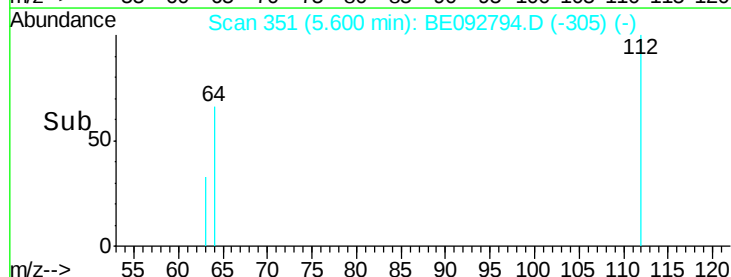
Abundance Ion 112.00 (111.70 to 112.70): E

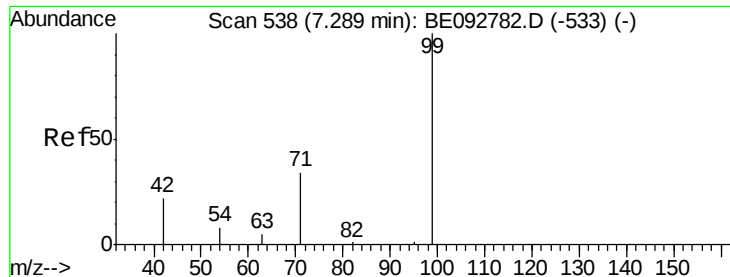
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 8.40 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.04 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

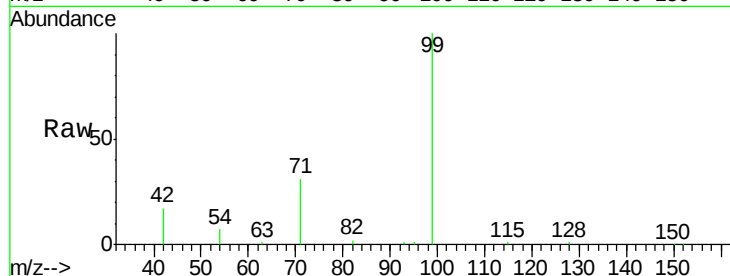
Tgt Ion: 99 Resp: 23410

Ion Ratio Lower Upper

99 100

42 23.8 16.0 24.0

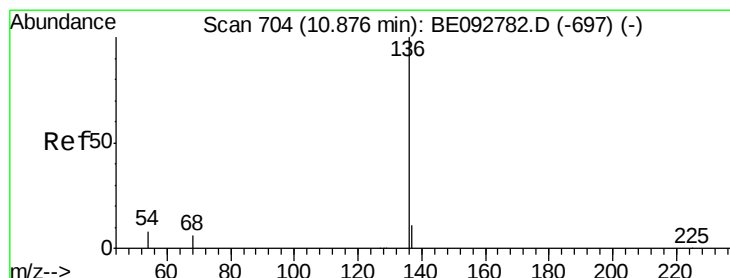
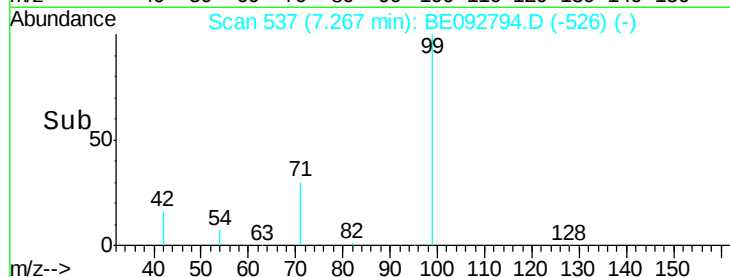
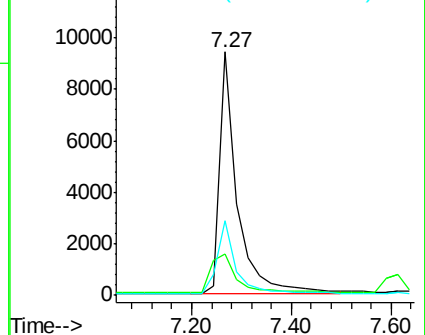
71 33.0 30.6 45.8



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: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Tgt Ion: 136 Resp: 43088

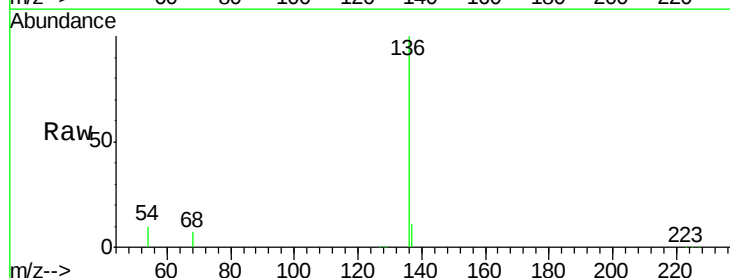
Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.4

54 10.4 9.6 14.4

68 7.2 6.7 10.1

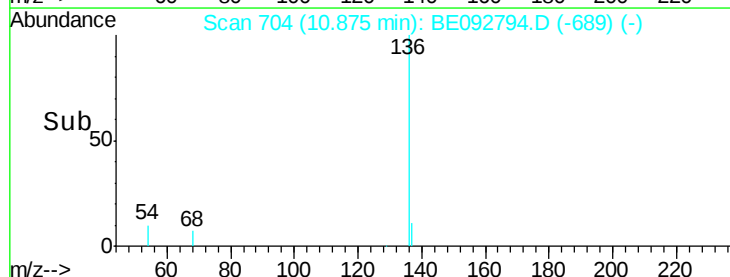
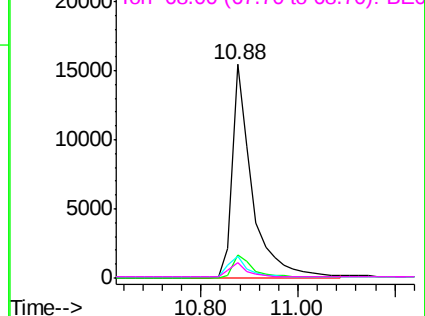


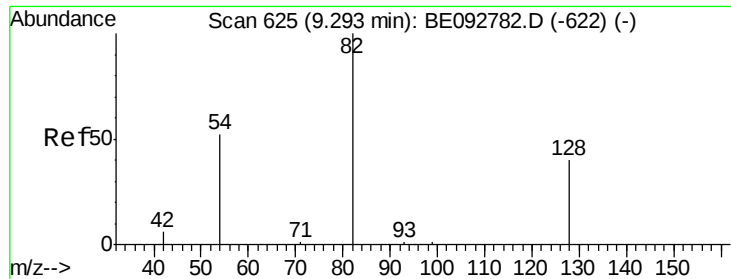
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.20 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.04 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

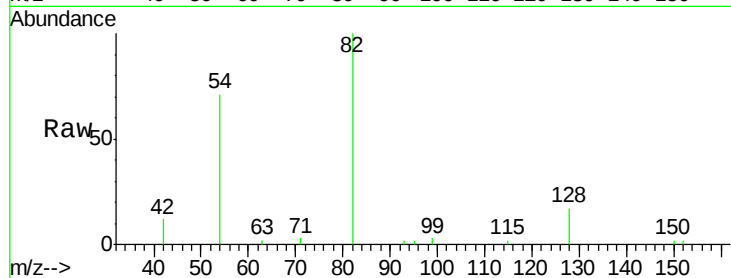
Tgt Ion: 82 Resp: 11051

Ion Ratio Lower Upper

82 100

128 16.9 39.0 58.4#

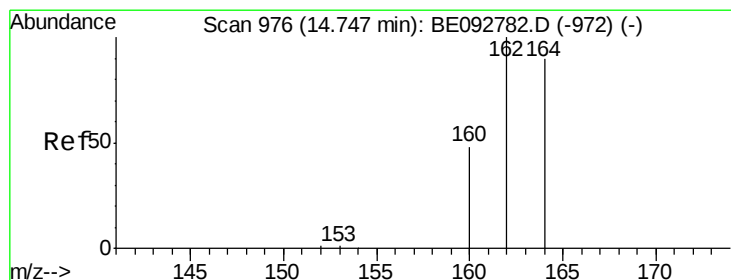
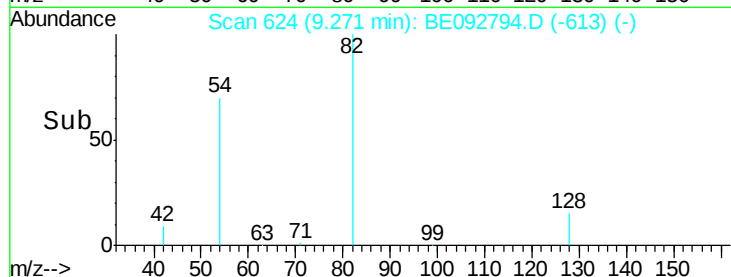
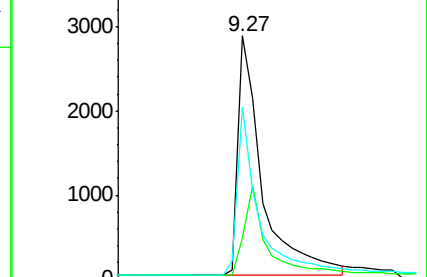
54 70.6 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE092782.D (-622) (-)

Ion 128.00 (127.70 to 128.70): BE092782.D (-622) (-)

Ion 54.00 (53.70 to 54.70): BE092782.D (-622) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

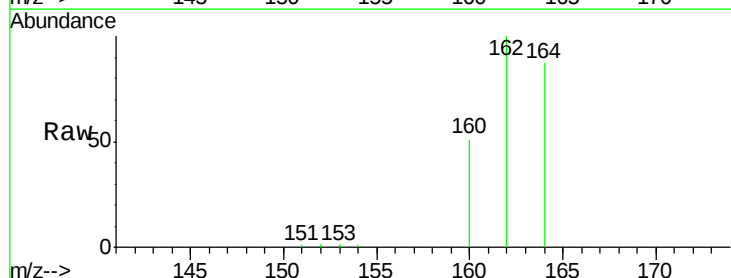
Tgt Ion: 164 Resp: 20225

Ion Ratio Lower Upper

164 100

162 115.3 71.4 107.0#

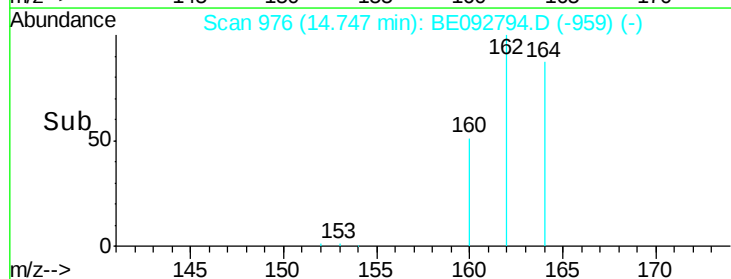
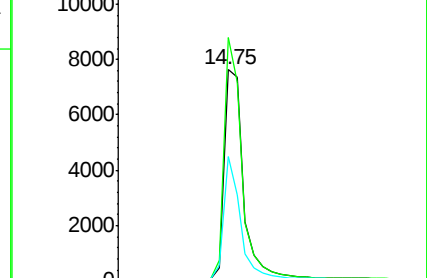
160 58.7 27.4 41.2#

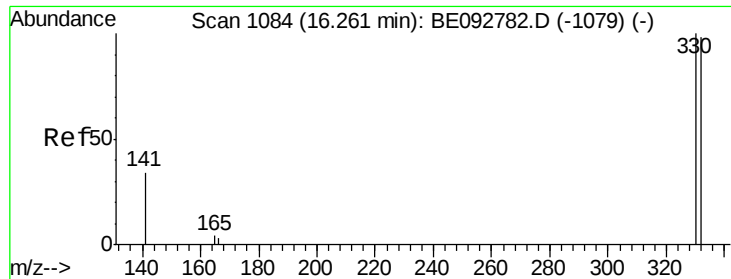


Abundance Ion 164.00 (163.70 to 164.70): BE092782.D (-972) (-)

Ion 162.00 (161.70 to 162.70): BE092782.D (-972) (-)

Ion 160.00 (159.70 to 160.70): BE092782.D (-972) (-)

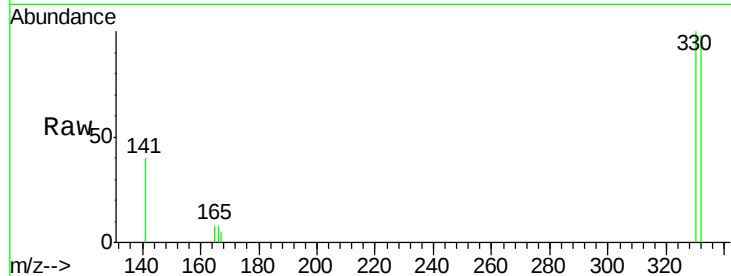




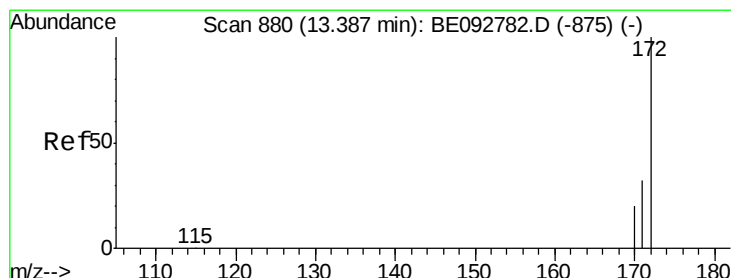
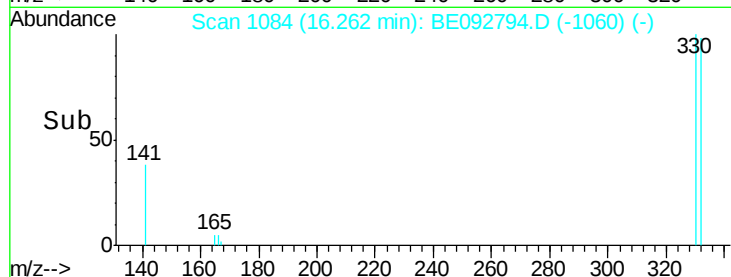
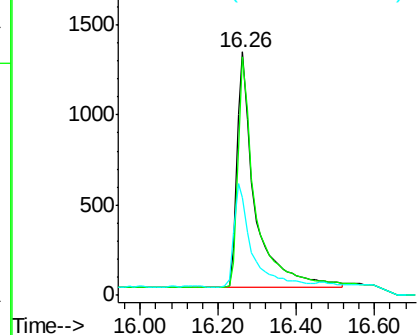
#13
 2,4,6-Tribromophenol
 Concen: 7.93 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092794.D
 Acq: 6 Mar 2017 19:31

Instrument :
 BNA_E
 ClientSampleId :
 PB97375BL

Tgt Ion: 330 Resp: 4222
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.4 113.0
 141 43.3 31.0 46.6

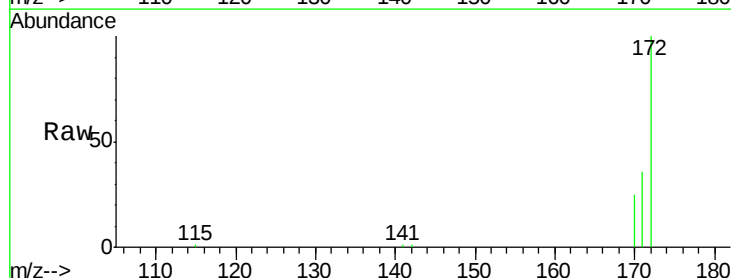


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

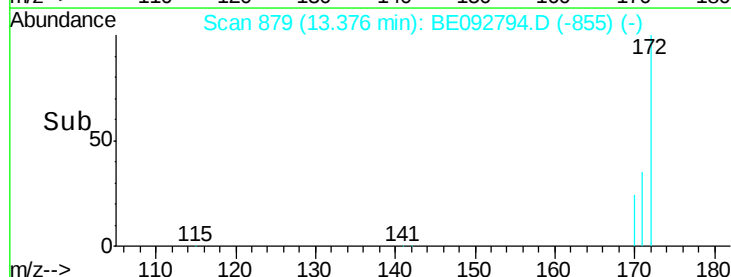
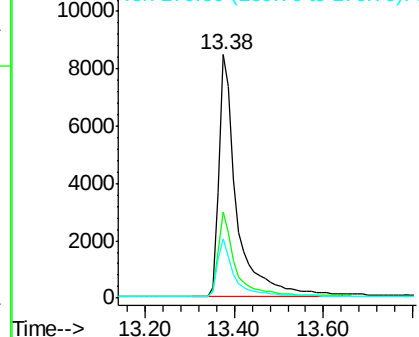


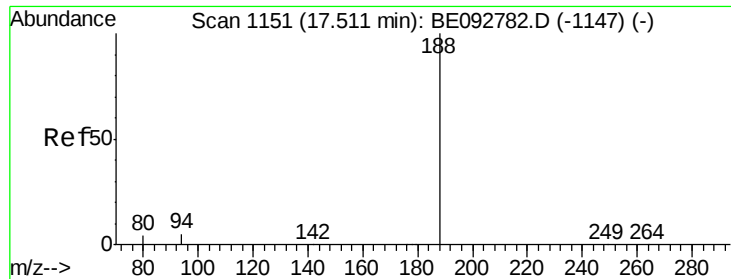
#14
 2-Fluorobiphenyl
 Concen: 5.03 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092794.D
 Acq: 6 Mar 2017 19:31

Tgt Ion: 172 Resp: 23977
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.1 45.1
 170 24.5 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

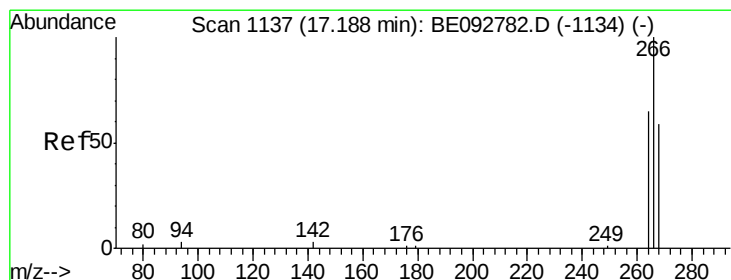
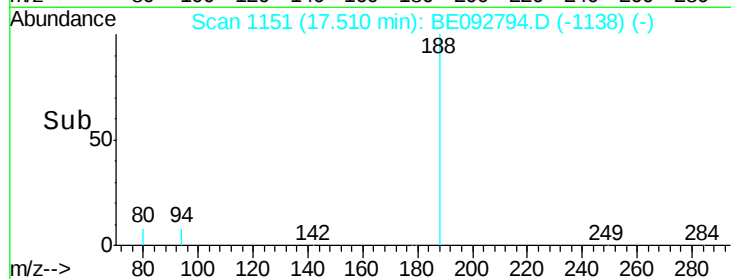
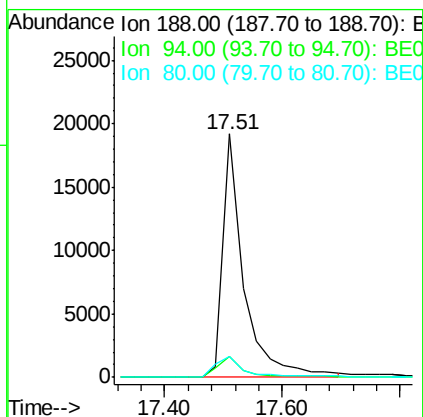
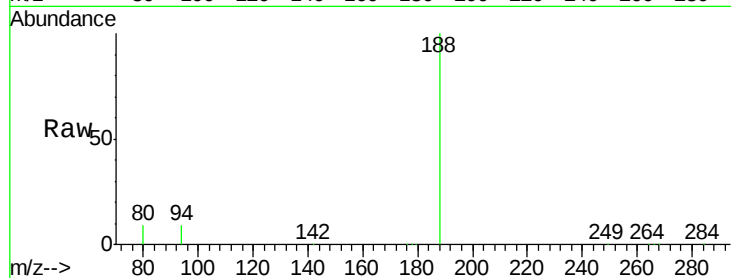




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092794.D
Acq: 6 Mar 2017 19:31

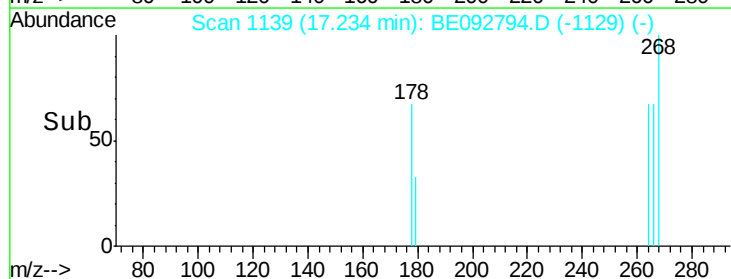
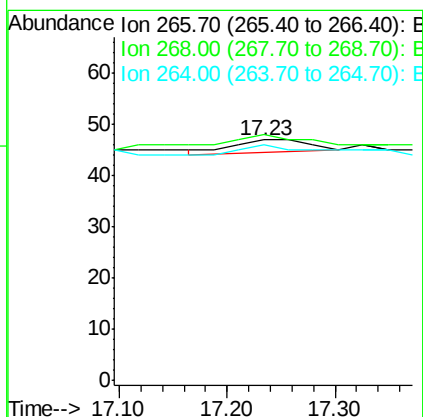
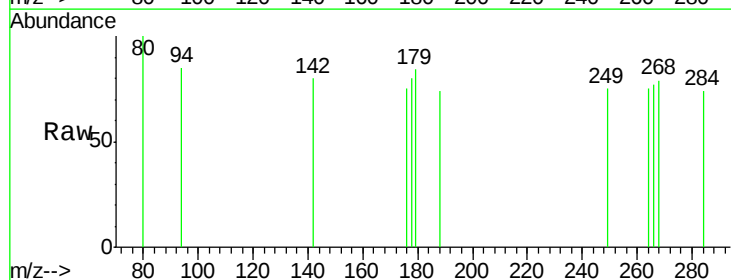
Instrument :
BNA_E
ClientSampleId :
PB97375BL

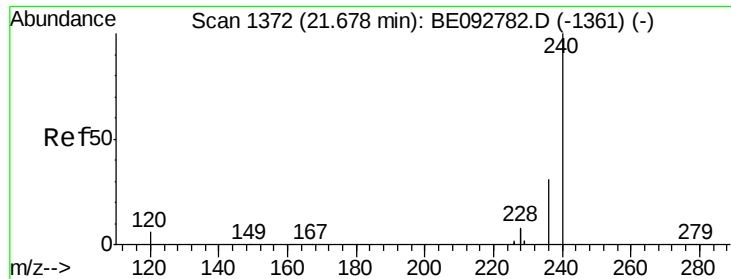
Tgt Ion:188 Resp: 46588
Ion Ratio Lower Upper
188 100
94 8.7 3.2 4.8#
80 8.6 2.6 3.8#



#20
Pentachlorophenol
Concen: 0.10 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BE092794.D
Acq: 6 Mar 2017 19:31

Tgt Ion:266 Resp: 12
Ion Ratio Lower Upper
266 100
268 102.1 62.5 93.7#
264 97.9 57.2 85.8#





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

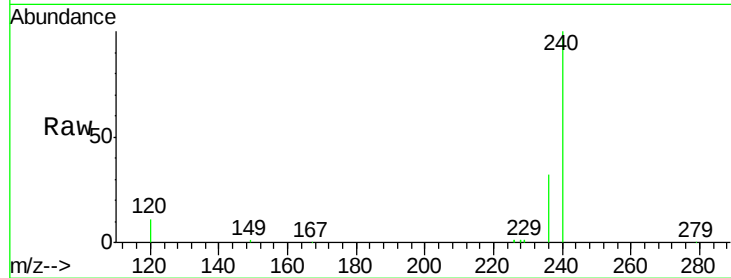
Tgt Ion:240 Resp: 49795

Ion Ratio Lower Upper

240 100

120 10.8 2.6 4.0#

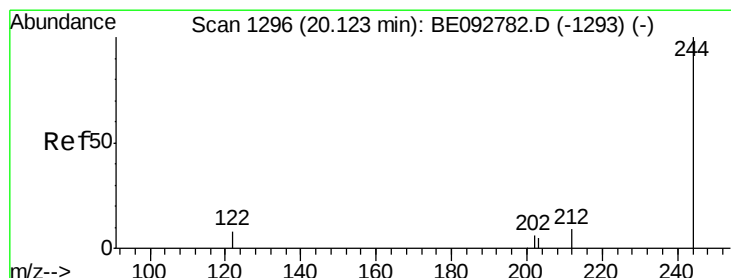
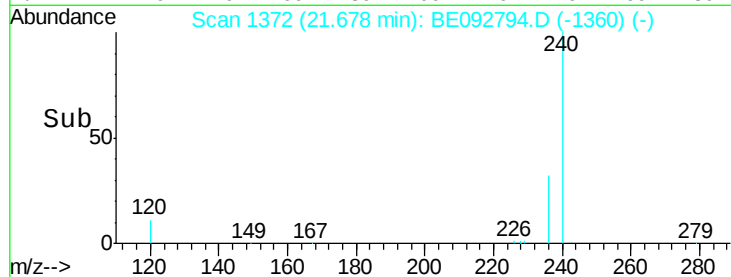
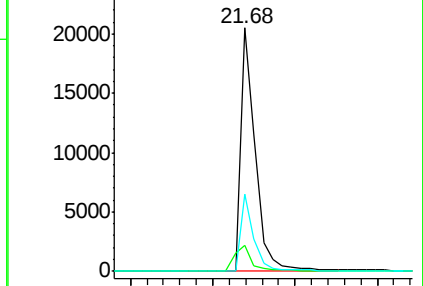
236 31.8 24.6 37.0



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



#26

Terphenyl-d14

Concen: 5.22 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

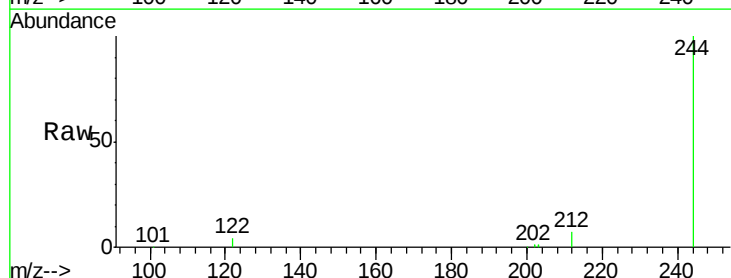
Tgt Ion:244 Resp: 31344

Ion Ratio Lower Upper

244 100

212 7.5 6.7 10.1

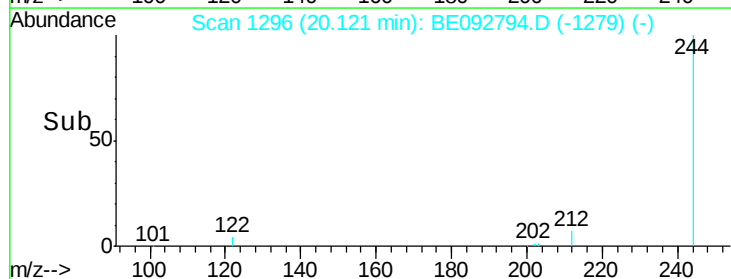
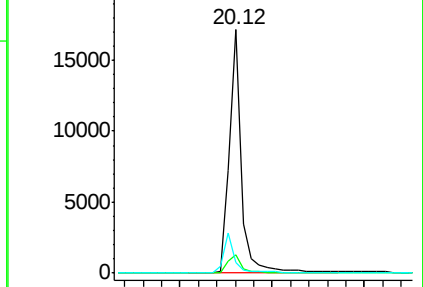
122 4.4 3.6 5.4

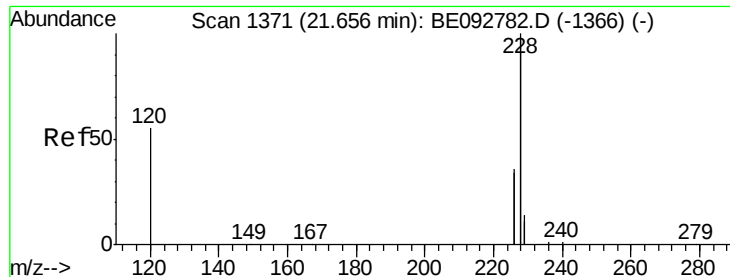


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

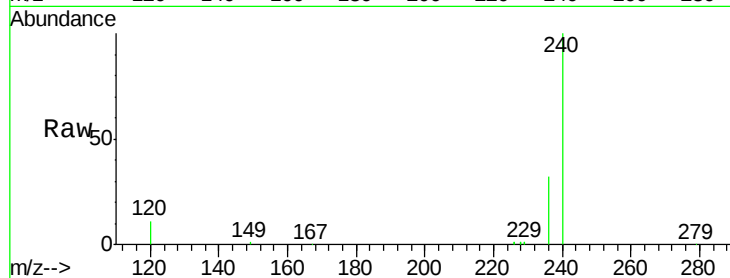




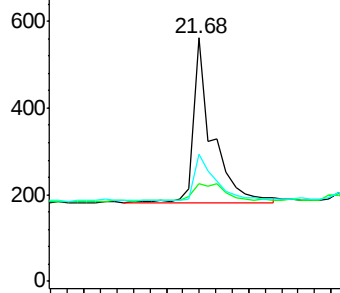
#27
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092794.D
Acq: 6 Mar 2017 19:31

Instrument :
BNA_E
ClientSampleId :
PB97375BL

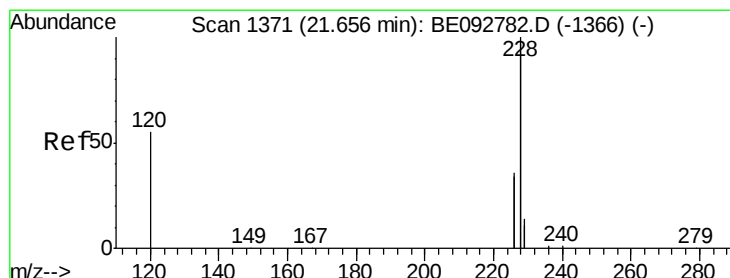
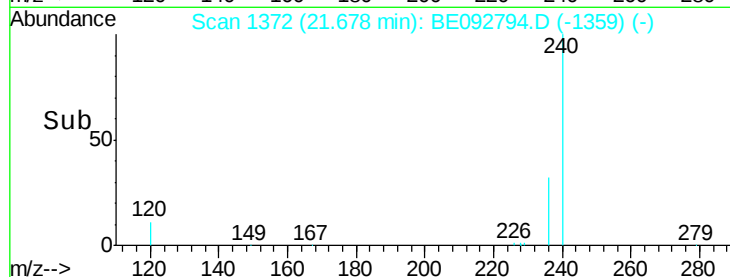
Tgt Ion:228 Resp: 1195
Ion Ratio Lower Upper
228 100
226 39.9 23.6 35.4#
229 52.0 13.3 19.9#



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

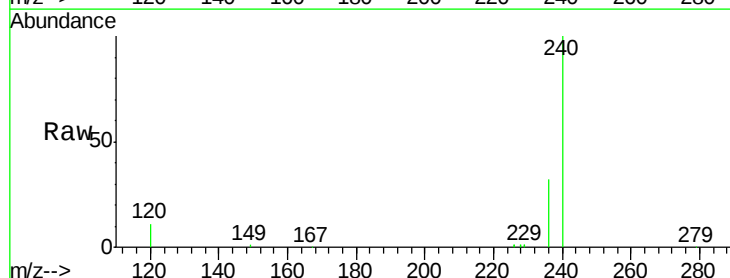


Time--> 21.40 21.60 21.80

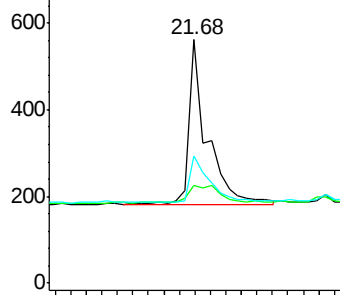


#28
Chrysene
Concen: 0.03 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.05 min
Lab File: BE092794.D
Acq: 6 Mar 2017 19:31

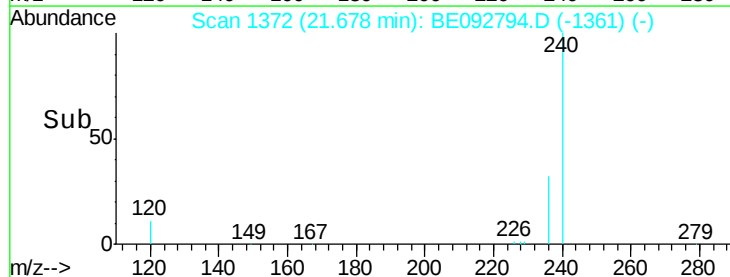
Tgt Ion:228 Resp: 1206
Ion Ratio Lower Upper
228 100
226 39.9 36.3 54.5
229 52.0 10.6 16.0#

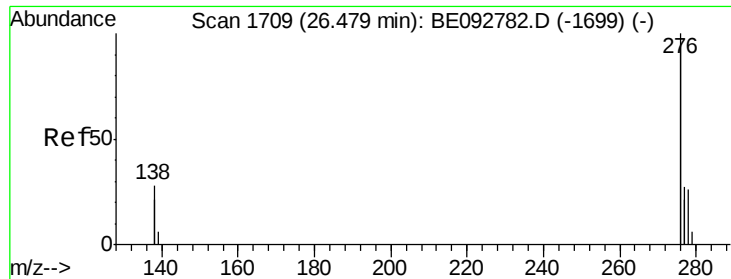


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.40 21.60 21.80 22.00





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.57 min Scan# 1714

Delta R.T. 0.07 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

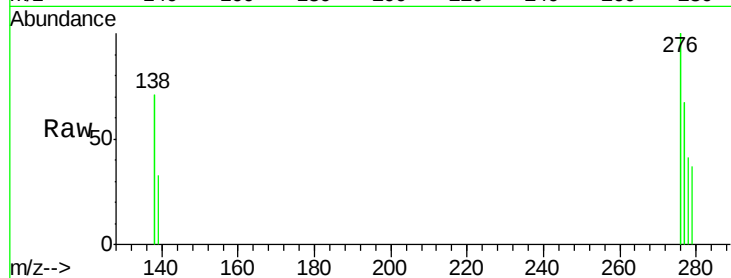
Tgt Ion:276 Resp: 1067

Ion Ratio Lower Upper

276 100

138 27.0 20.3 30.5

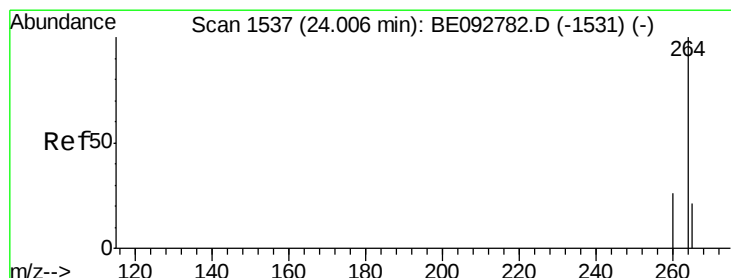
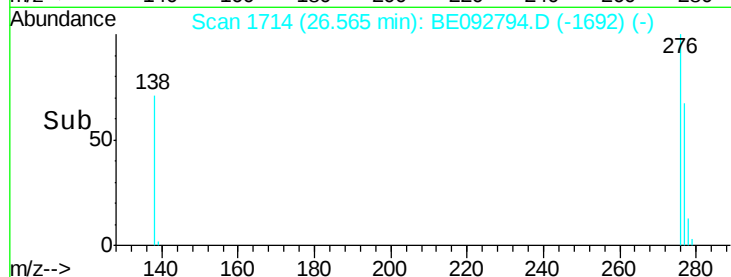
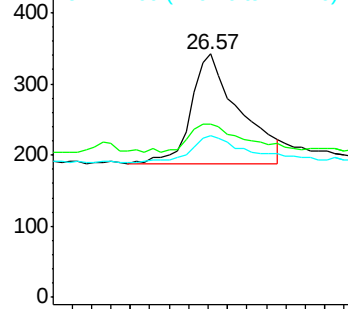
277 25.3 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.02 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

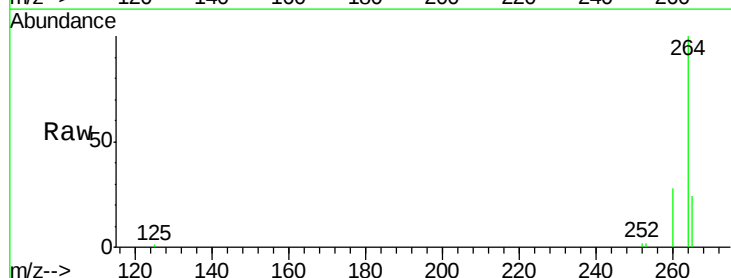
Tgt Ion:264 Resp: 20141

Ion Ratio Lower Upper

264 100

260 28.4 20.1 30.1

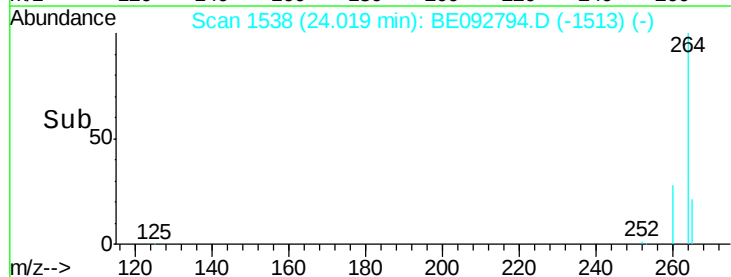
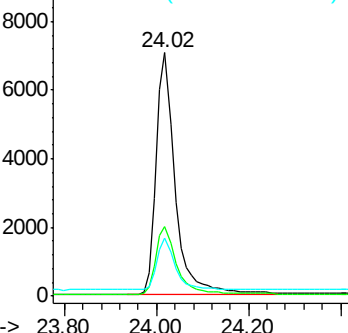
265 23.7 17.9 26.9

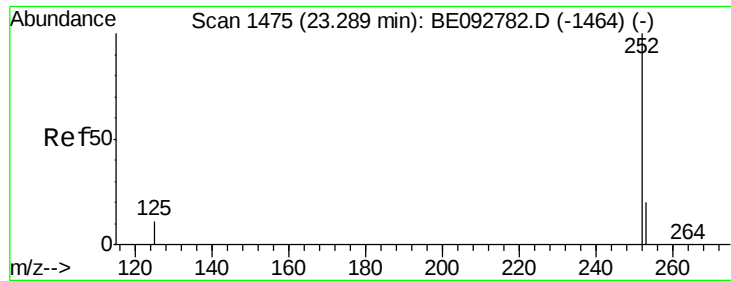


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#32

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 23.31 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

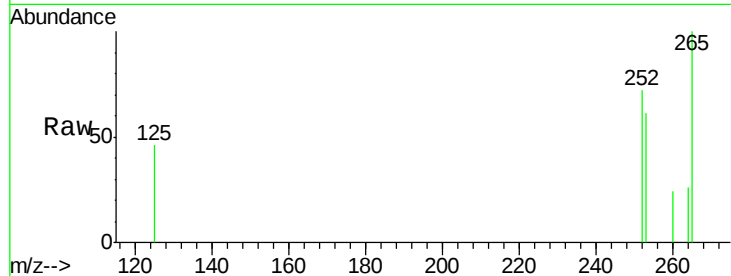
Tgt Ion: 252 Resp: 177

Ion Ratio Lower Upper

252 100

253 84.2 18.7 28.1#

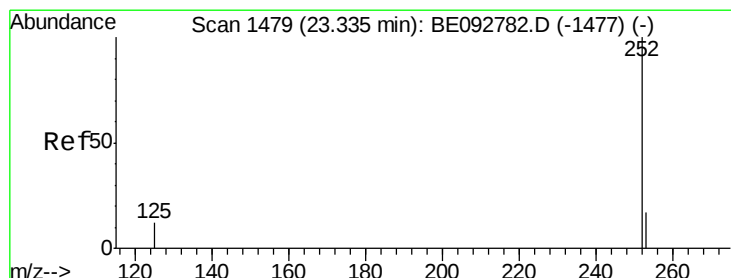
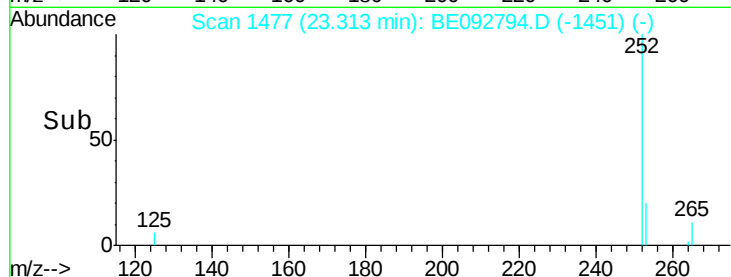
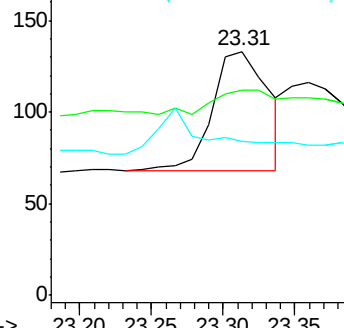
125 63.2 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#33

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 23.31 min Scan# 1477

Delta R.T. -0.05 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

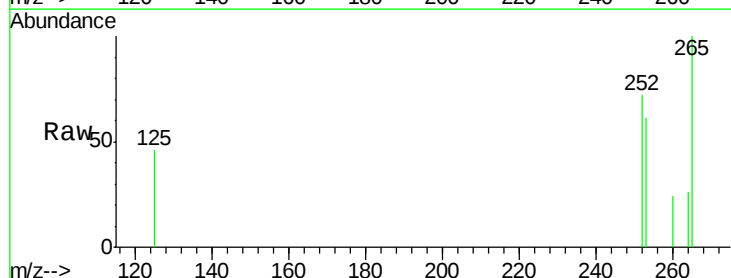
Tgt Ion: 252 Resp: 177

Ion Ratio Lower Upper

252 100

253 84.2 20.3 30.5#

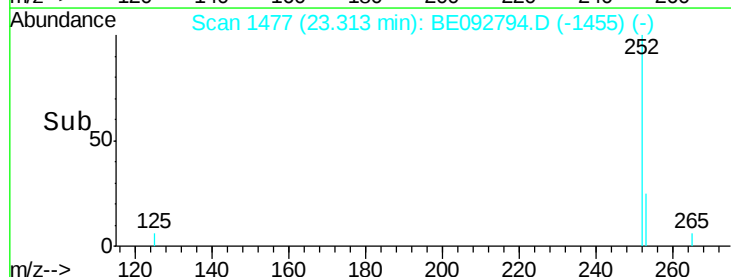
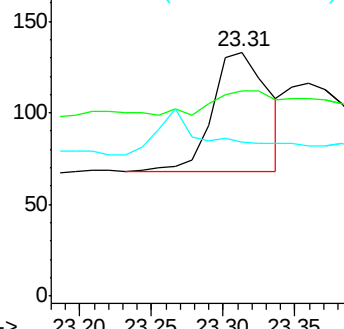
125 63.2 9.6 14.4#

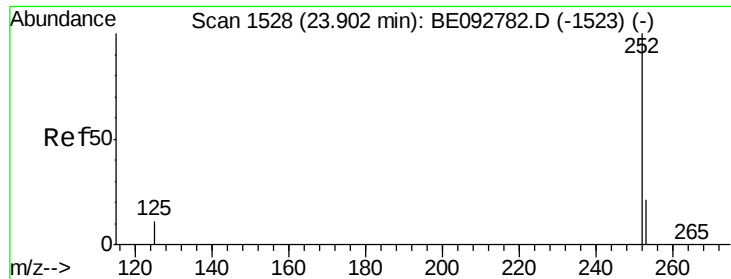


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.93 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL

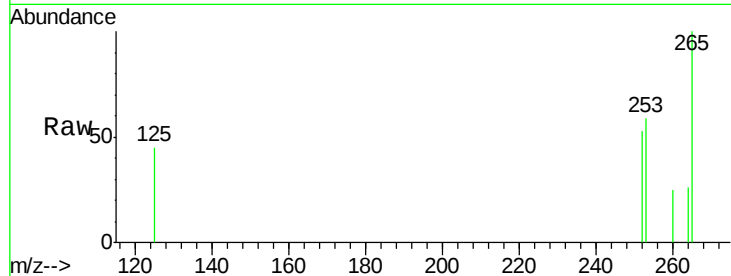
Tgt Ion: 252 Resp: 100

Ion Ratio Lower Upper

252 100

253 112.5 19.0 28.6#

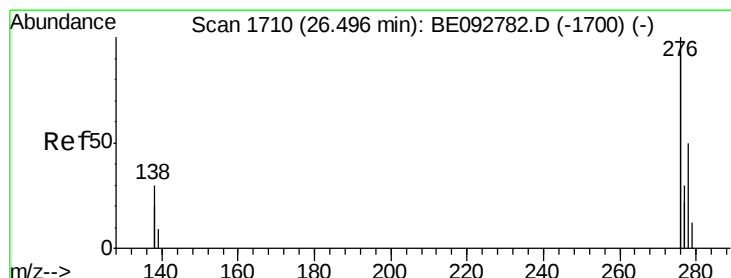
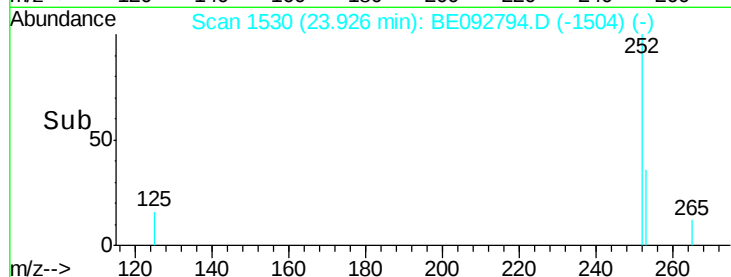
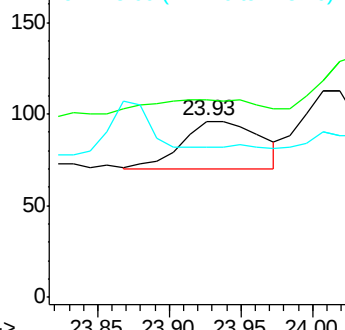
125 85.4 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#35

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.07 min

Lab File: BE092794.D

Acq: 6 Mar 2017 19:31

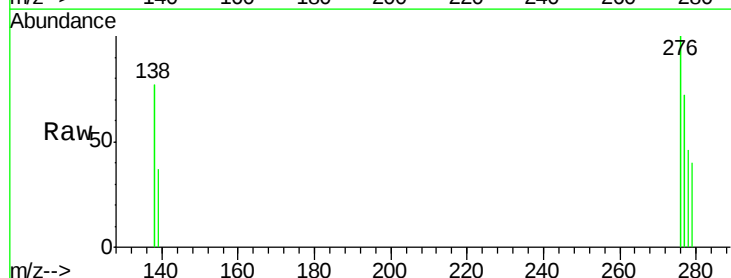
Tgt Ion: 278 Resp: 193

Ion Ratio Lower Upper

278 100

139 80.3 13.8 20.8#

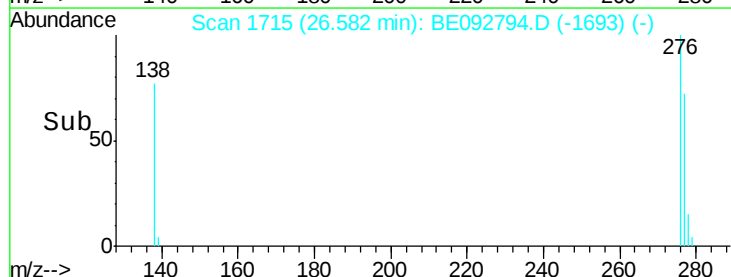
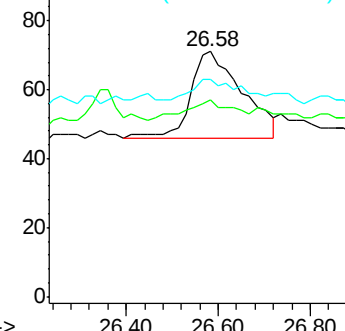
279 88.7 21.4 32.2#

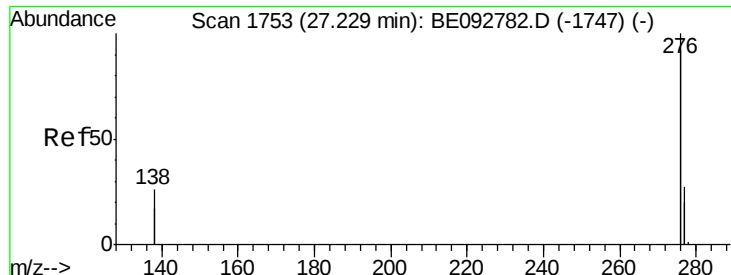


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#36

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 27.30 min Scan# 1757

Delta R.T. 0.05 min

Lab File: BE092794.D

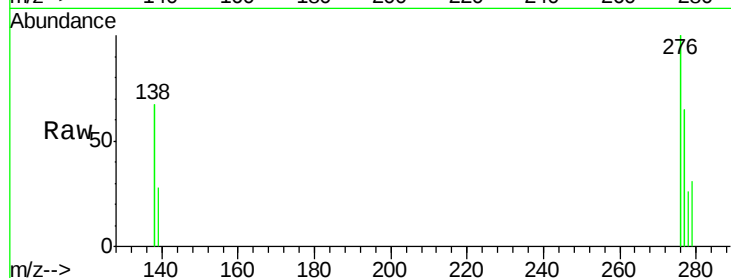
Acq: 6 Mar 2017 19:31

Instrument :

BNA_E

ClientSampleId :

PB97375BL



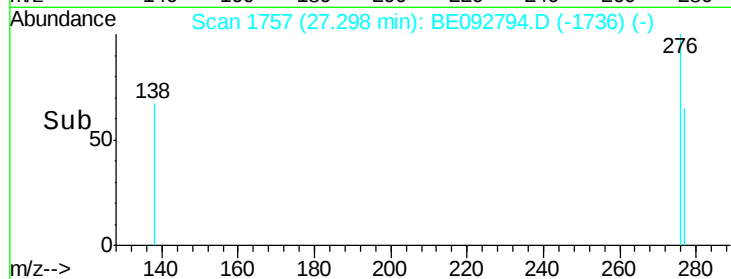
Tgt Ion: 276 Resp: 1143

Ion Ratio Lower Upper

276 100

277 65.0 19.8 29.8#

138 67.2 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

