

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022417\
 Data File : BE092756.D
 Acq On : 24 Feb 2017 12:32
 Operator : SJ/MA
 Sample : PB97149BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 24 15:32:05 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

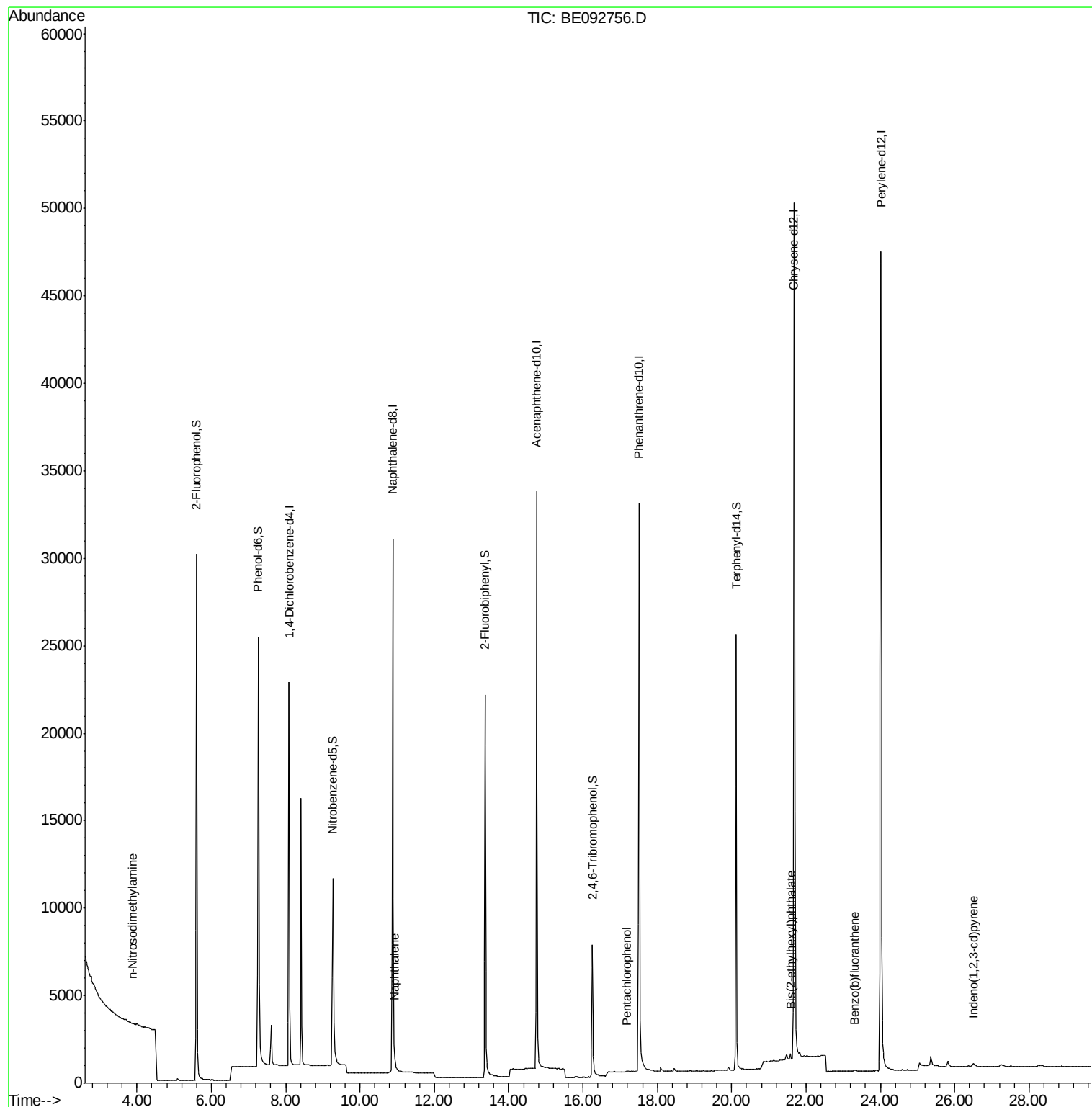
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	11701	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	46073	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	22735	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	53641	5.00	ng	0.00
24) Chrysene-d12	21.68	240	66315	5.00	ng	-0.02
31) Perylene-d12	24.02	264	76377	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.60	112	24309	10.68	ng	-0.03
5) Phenol-d6	7.27	99	31098	11.13	ng	-0.05
8) Nitrobenzene-d5	9.27	82	13504	4.35	ng	-0.05
13) 2,4,6-Tribromophenol	16.25	330	6505	13.48	ng	-0.03
14) 2-Fluorobiphenyl	13.36	172	26766	4.83	ng	-0.04
26) Terphenyl-d14	20.12	244	36973	4.37	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.89	42	3	0.21	ng	# 2
9) Naphthalene	10.91	128	755	0.08	ng	# 38
20) Pentachlorophenol	17.19	266	69	0.36	ng	# 82
29) Bis(2-ethylhexyl)phthalate	21.59	149	455	0.11	ng	# 60
30) Indeno(1,2,3-cd)pyrene	26.50	276	507	0.04	ng	95
32) Benzo(b)fluoranthene	23.30	252	142	0.04	ng	# 1

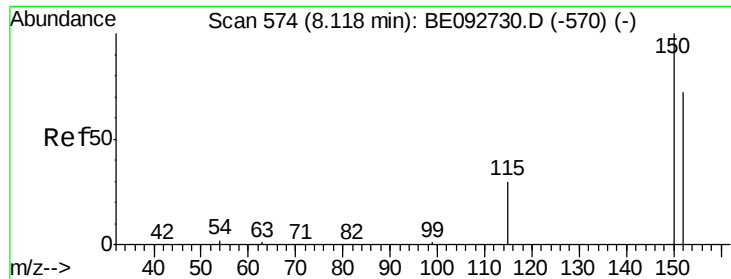
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

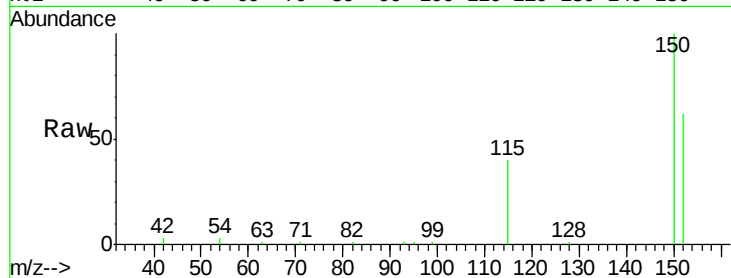
Tot Ion:152 Resp: 11701

Ion Ratio Lower Upper

152 100

150 160.7 106.0 159.0#

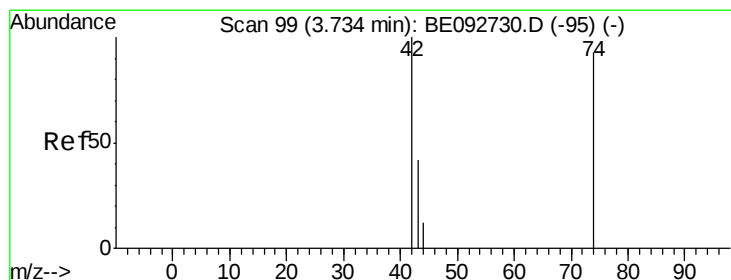
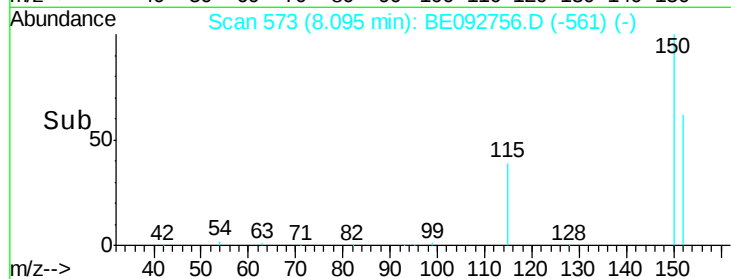
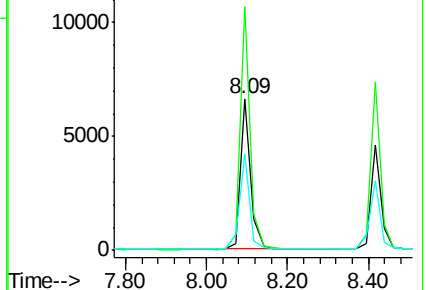
115 63.6 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.89 min Scan# 112

Delta R.T. 0.15 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

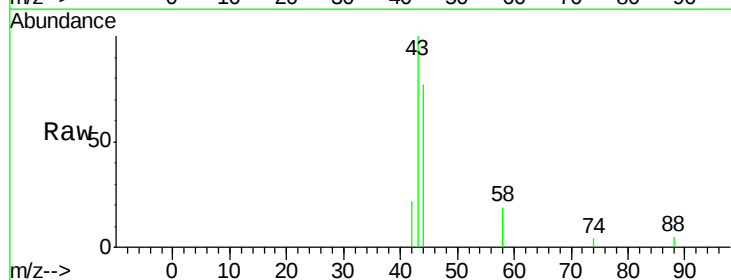
Tgt Ion: 42 Resp: 3

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

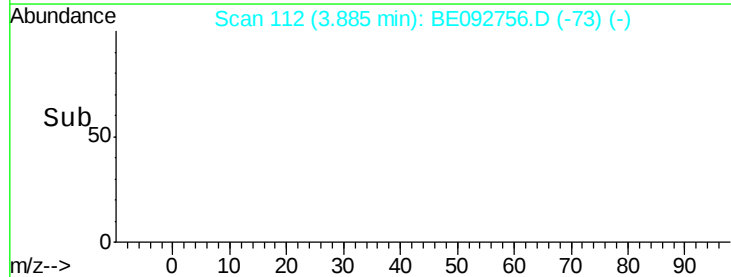
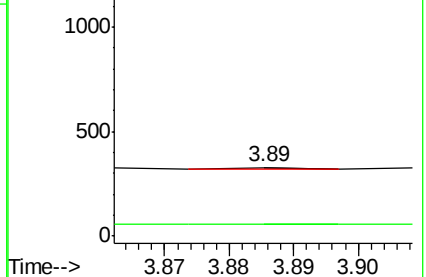
44 0.0 5.1 7.7#

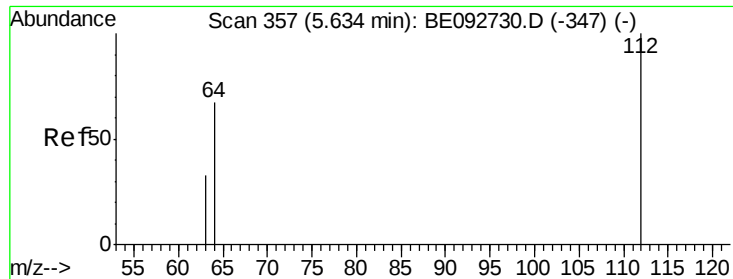


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 10.68 ng

RT: 5.60 min Scan# 351

Delta R.T. -0.03 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

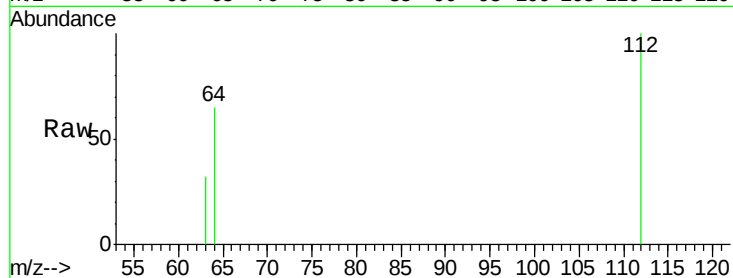
Tot Ion:112 Resp: 24309

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

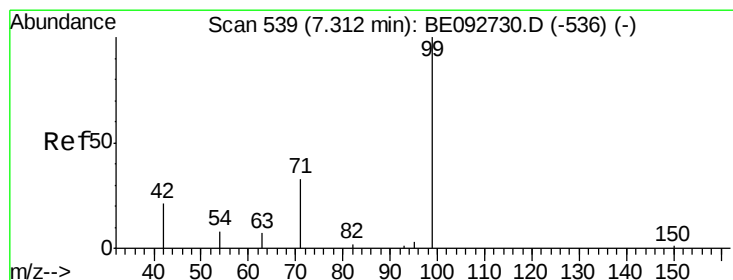
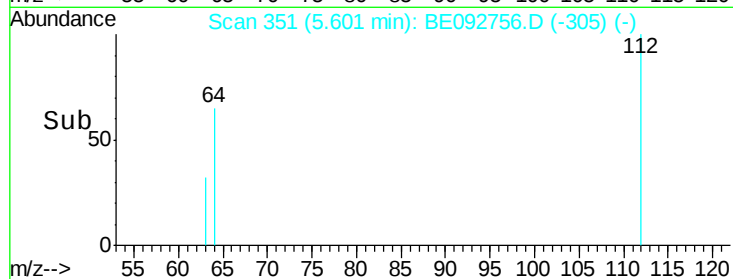
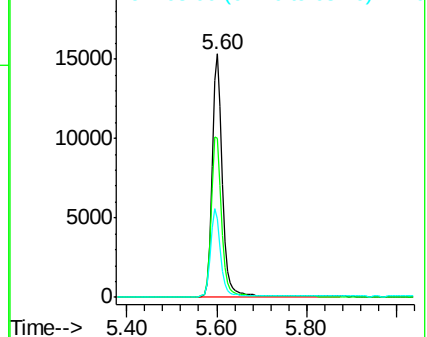
63 36.0 27.9 41.9



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: 11.13 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

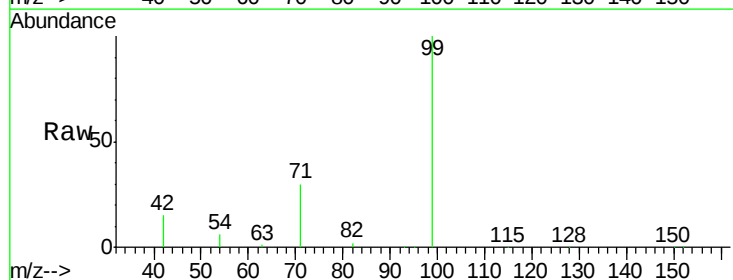
Tgt Ion: 99 Resp: 31098

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

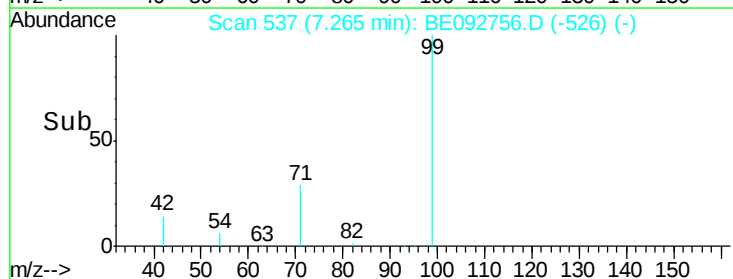
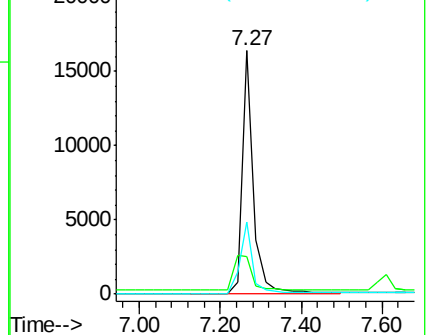
71 32.9 30.6 45.8

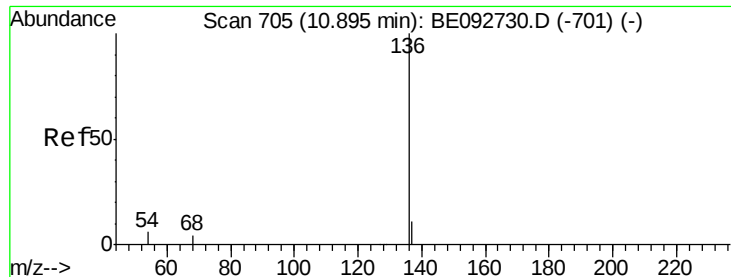


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.87 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 46073

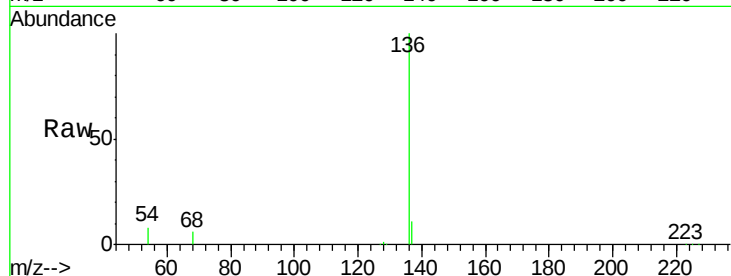
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 8.5 9.6 14.4#

68 6.3 6.7 10.1#

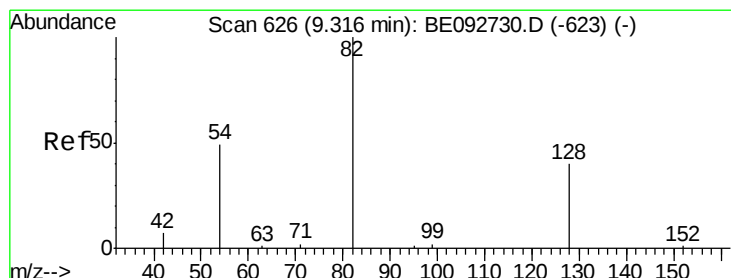
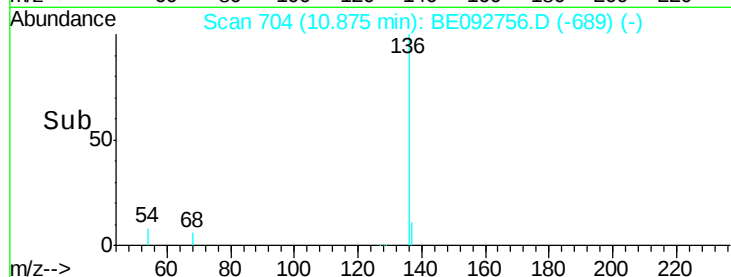
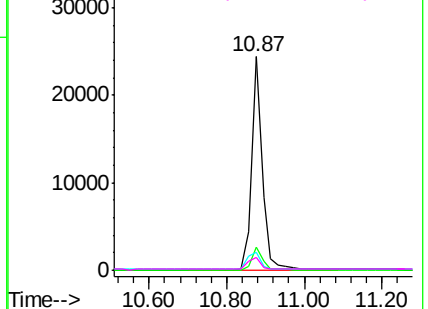


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.35 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

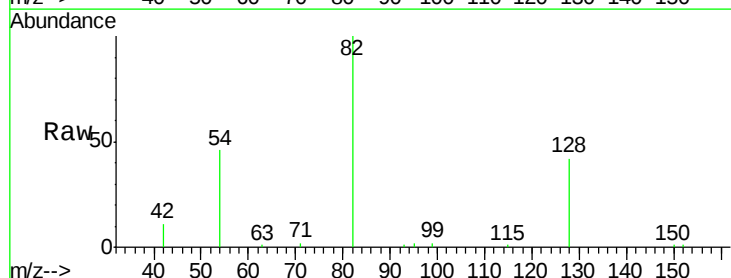
Tgt Ion: 82 Resp: 13504

Ion Ratio Lower Upper

82 100

128 41.8 39.0 58.4

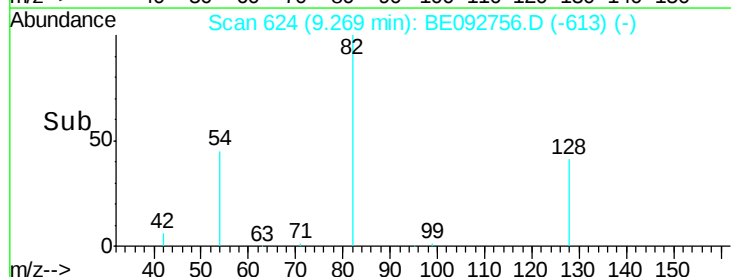
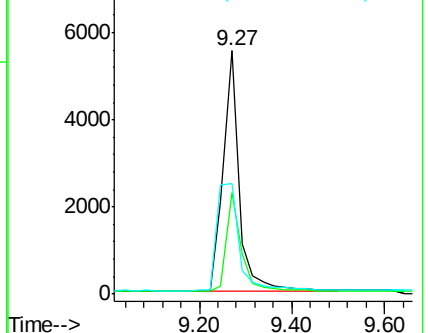
54 45.6 44.8 67.2

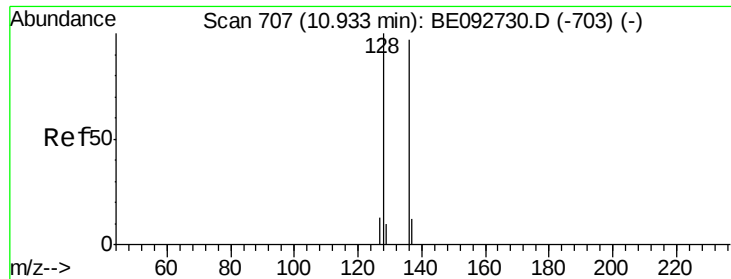


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.08 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

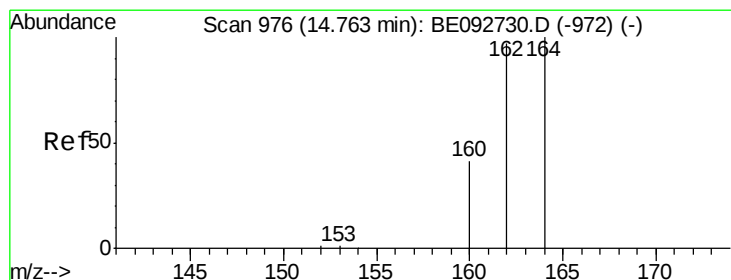
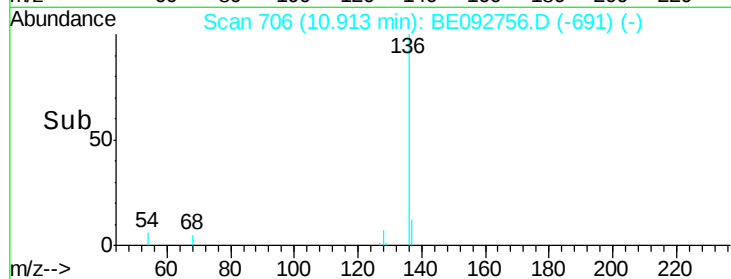
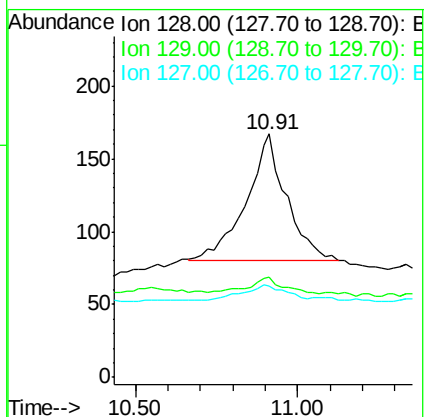
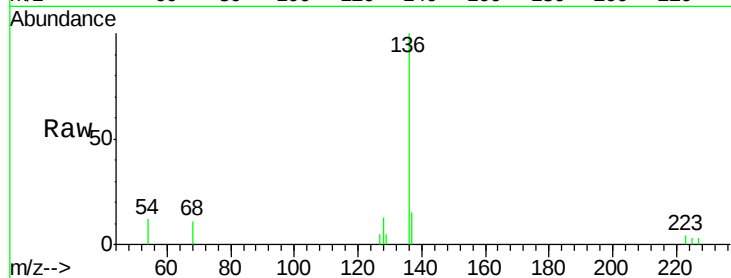
Tot Ion:128 Resp: 755

Ion Ratio Lower Upper

128 100

129 41.3 11.2 16.8#

127 37.7 11.6 17.4#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

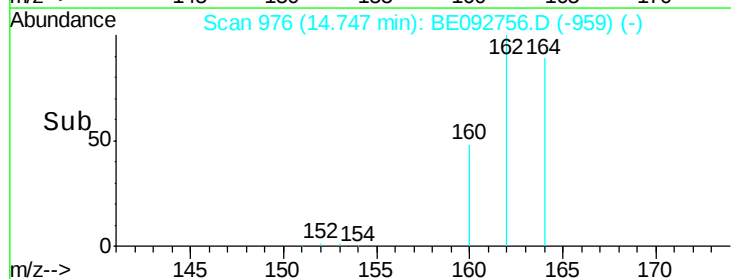
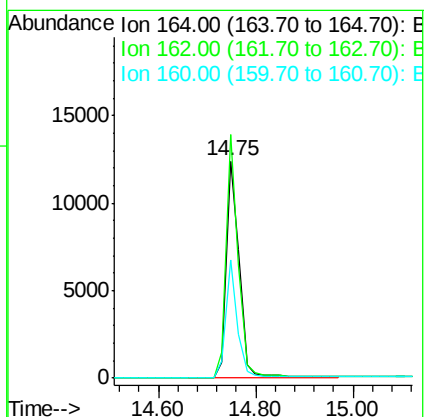
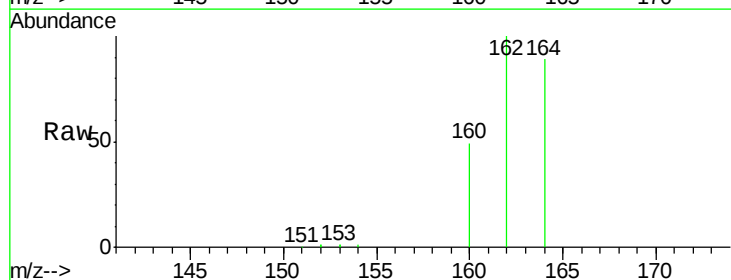
Tgt Ion:164 Resp: 22735

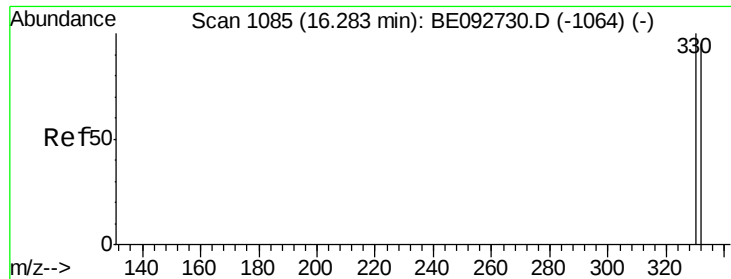
Ion Ratio Lower Upper

164 100

162 112.1 71.4 107.0#

160 54.4 27.4 41.2#

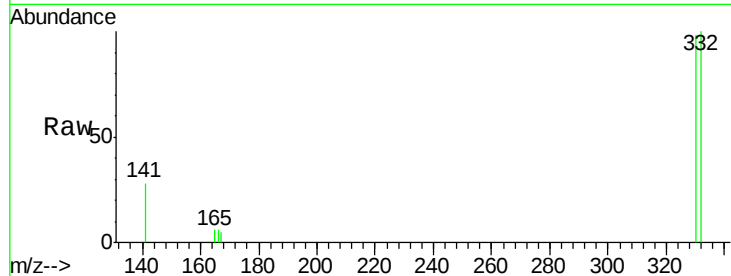




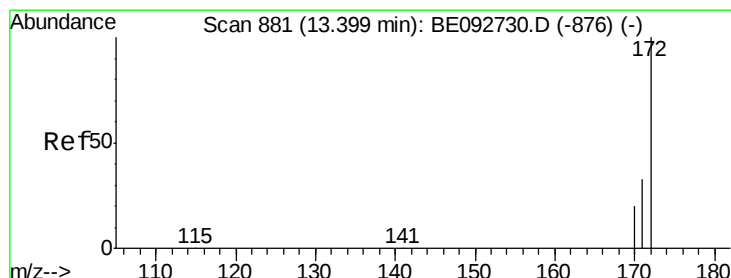
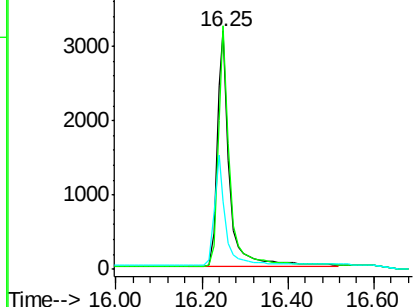
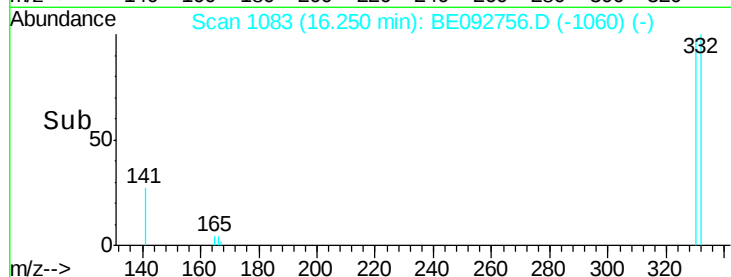
#13
 2,4,6-Tribromophenol
 Concen: 13.48 ng
 RT: 16.25 min Scan# 1083
 Delta R.T. -0.03 min
 Lab File: BE092756.D
 Acq: 24 Feb 2017 12:32

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 6505
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.4 113.0
 141 43.4 31.0 46.6

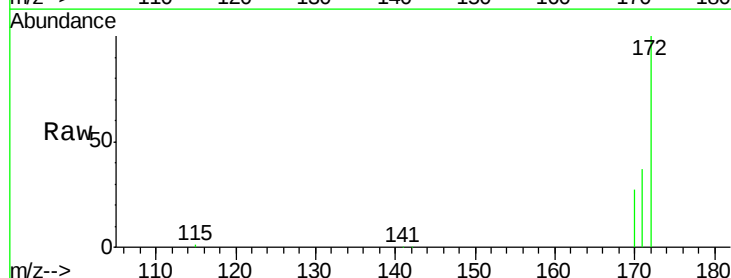


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

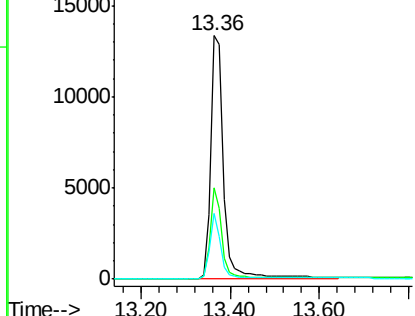
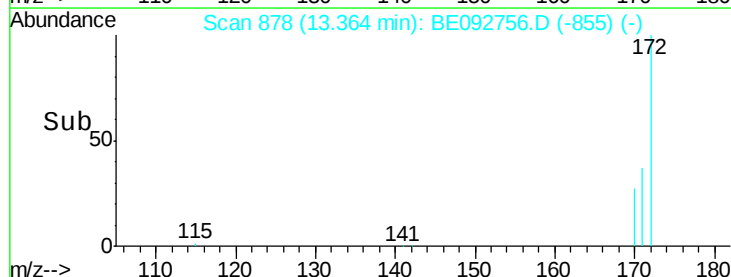


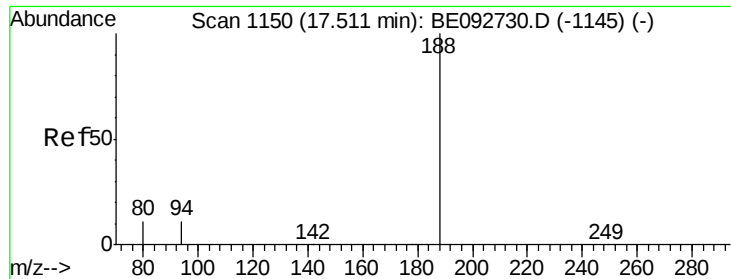
#14
 2-Fluorobiphenyl
 Concen: 4.83 ng
 RT: 13.36 min Scan# 878
 Delta R.T. -0.04 min
 Lab File: BE092756.D
 Acq: 24 Feb 2017 12:32

Tgt Ion:172 Resp: 26766
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.1 45.1
 170 27.1 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: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

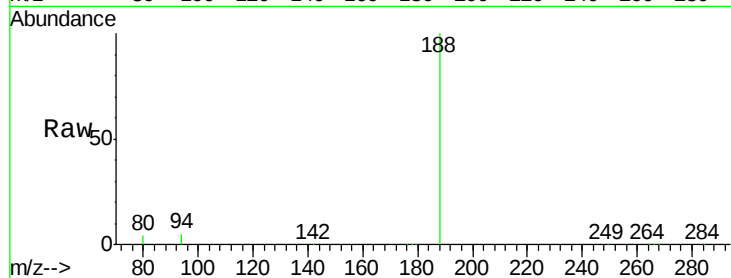
Tot Ion:188 Resp: 53641

Ion Ratio Lower Upper

188 100

94 4.9 3.2 4.8#

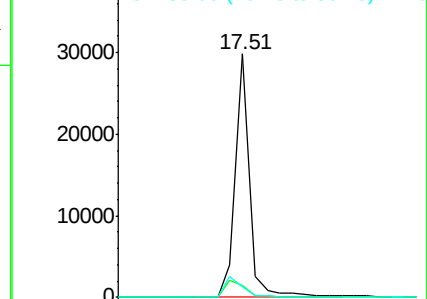
80 4.3 2.6 3.8#



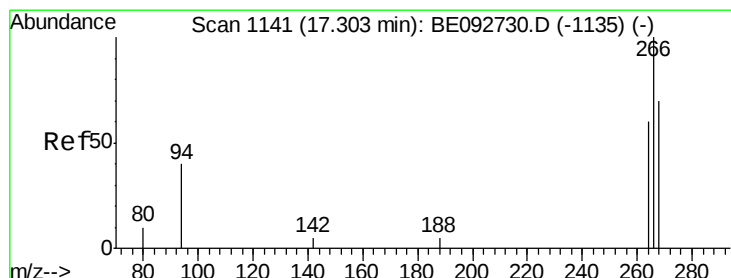
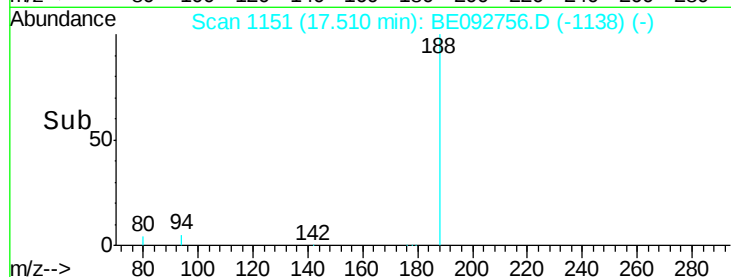
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

Pentachlorophenol

Concen: 0.36 ng

RT: 17.19 min Scan# 1137

Delta R.T. -0.12 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

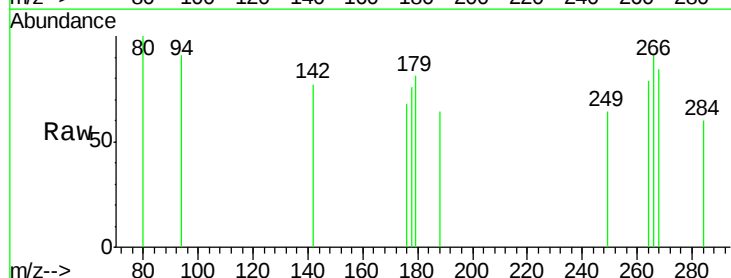
Tgt Ion:266 Resp: 69

Ion Ratio Lower Upper

266 100

268 92.6 62.5 93.7

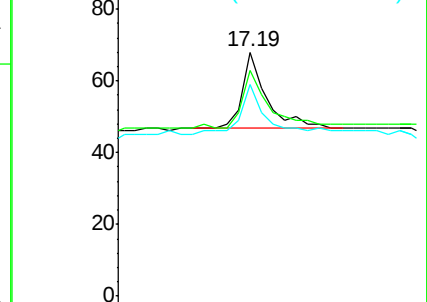
264 86.8 57.2 85.8#



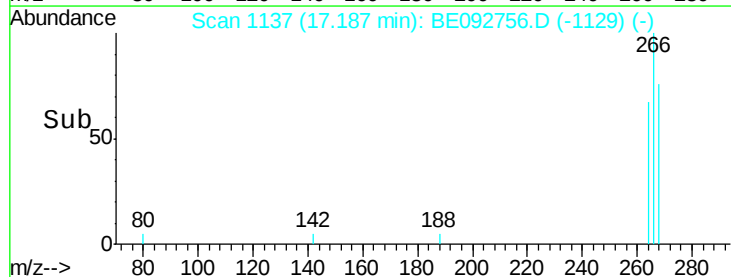
Abundance Ion 265.70 (265.40 to 266.40): E

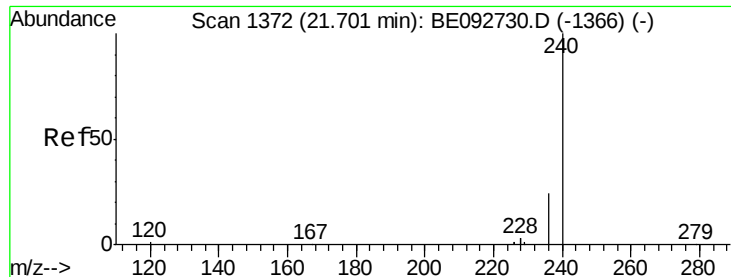
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time-->





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

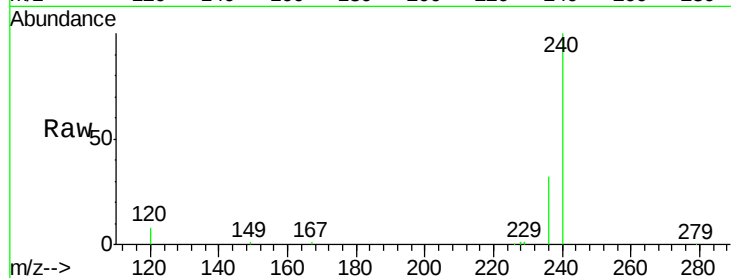
Tot Ion:240 Resp: 66315

Ion Ratio Lower Upper

240 100

120 8.0 2.6 4.0#

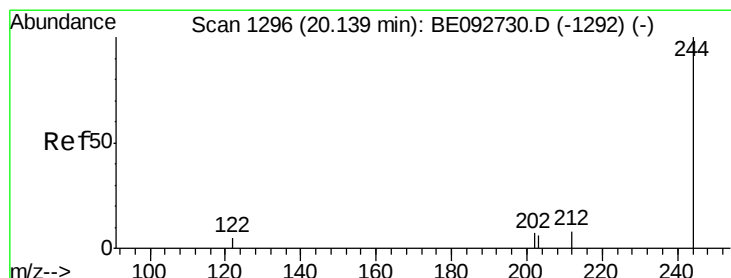
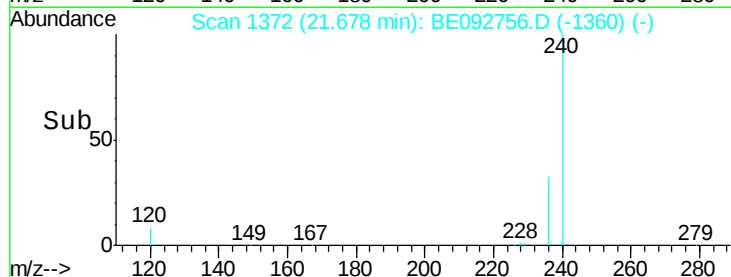
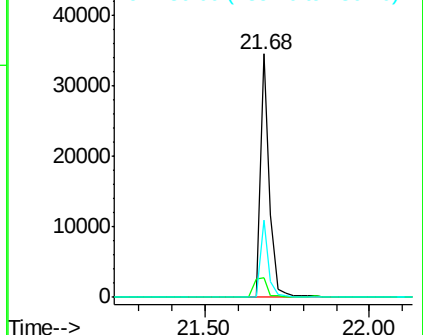
236 31.9 24.6 37.0



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: 4.37 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

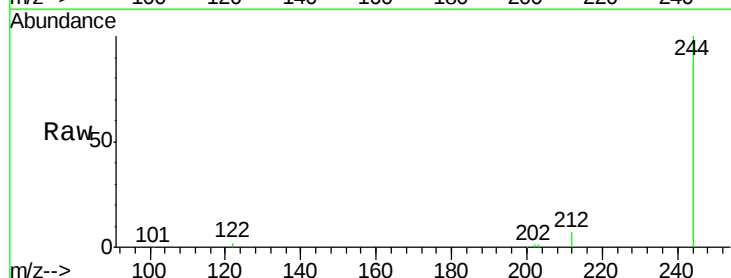
Tgt Ion:244 Resp: 36973

Ion Ratio Lower Upper

244 100

212 7.0 6.7 10.1

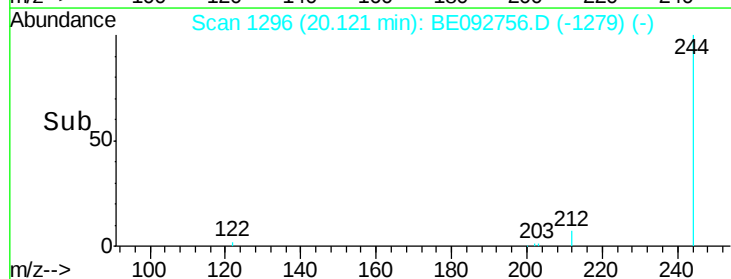
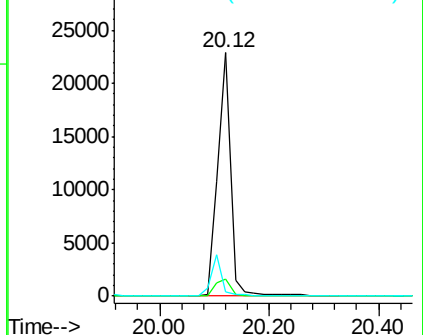
122 2.0 3.6 5.4#

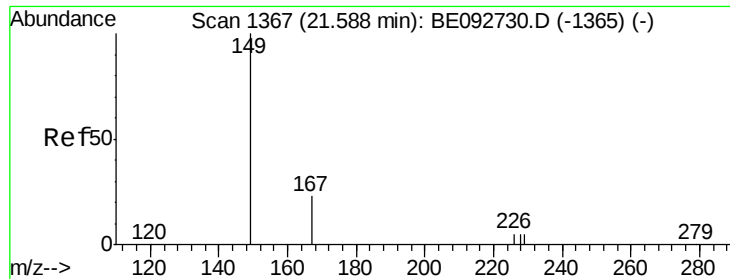


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampled :

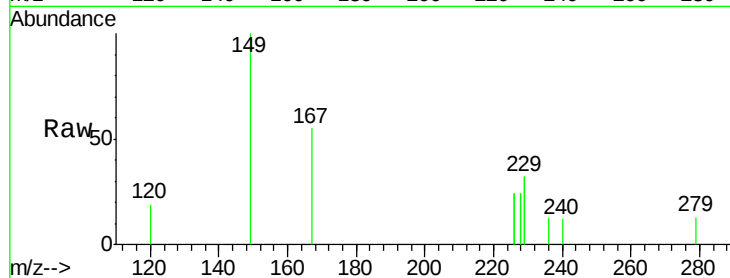
Tot Ion:149 Resp: 455

Ion Ratio Lower Upper

149 100

167 40.0 16.0 24.0#

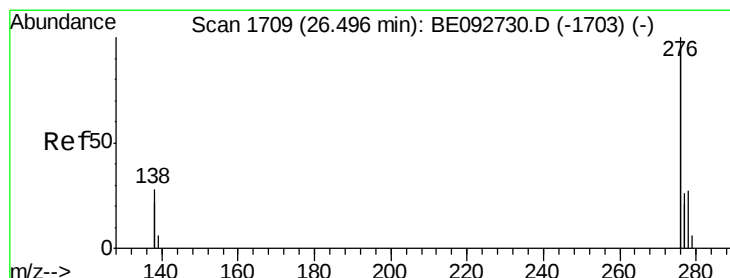
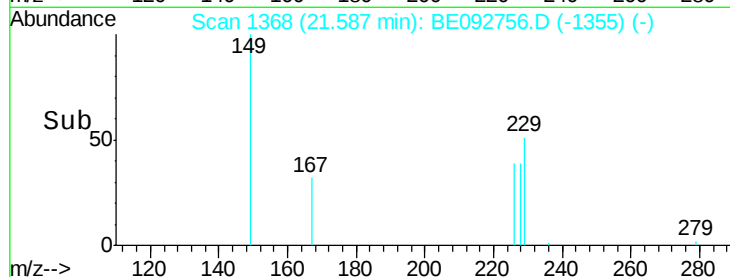
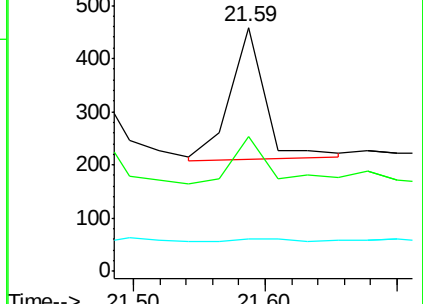
279 3.3 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.50 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

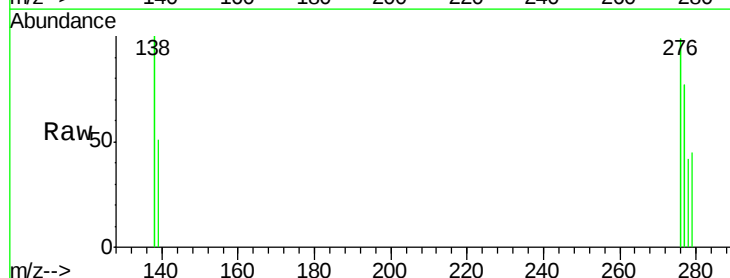
Tgt Ion:276 Resp: 507

Ion Ratio Lower Upper

276 100

138 27.2 20.3 30.5

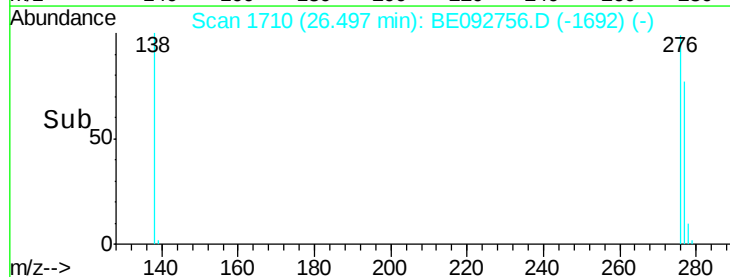
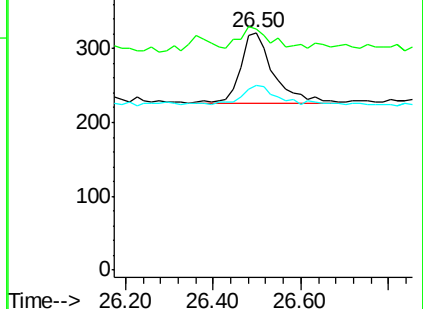
277 27.8 19.7 29.5

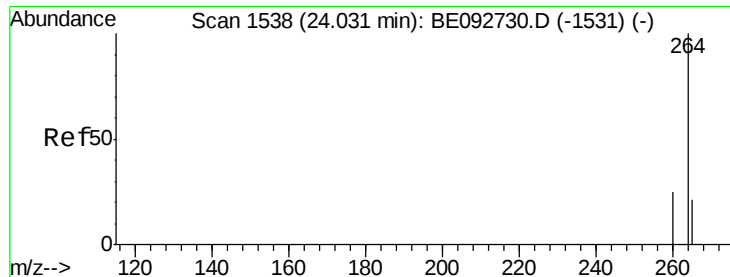


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.02 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

Instrument :

BNA_E

ClientSampleId :

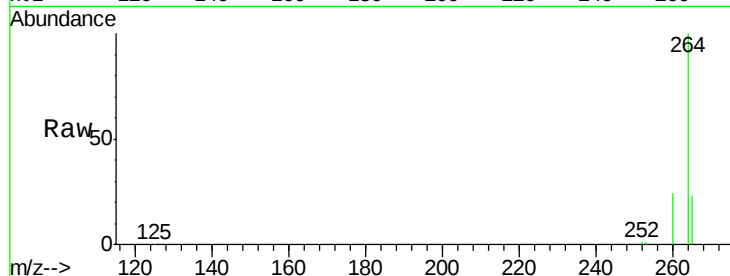
Tot Ion:264 Resp: 76377

Ion Ratio Lower Upper

264 100

260 23.6 20.1 30.1

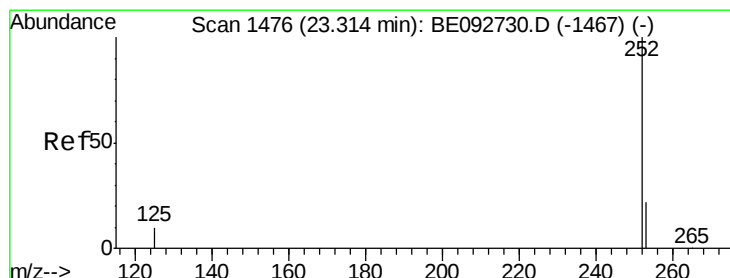
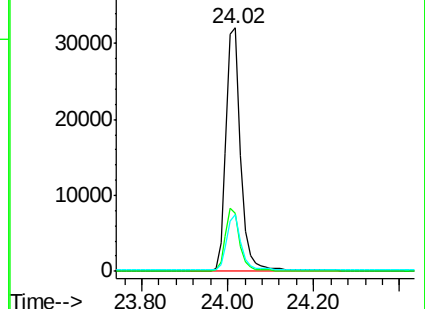
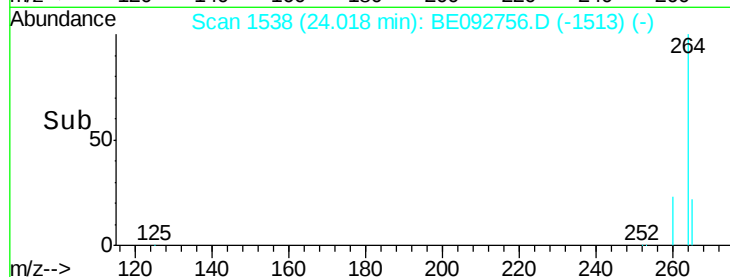
265 23.1 17.9 26.9



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: 0.04 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092756.D

Acq: 24 Feb 2017 12:32

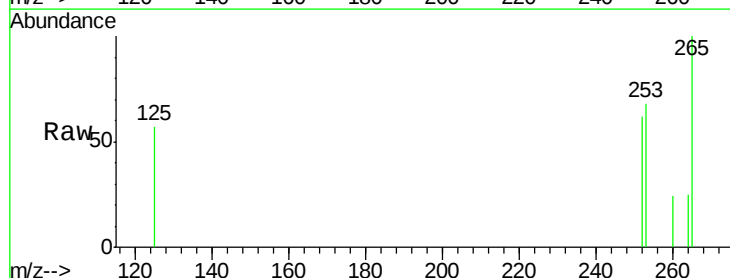
Tgt Ion:252 Resp: 142

Ion Ratio Lower Upper

252 100

253 108.5 18.7 28.1#

125 90.8 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

