

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022417\
 Data File : BE092759.D
 Acq On : 24 Feb 2017 14:25
 Operator : SJ/MA
 Sample : I1946-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 24 15:32:44 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

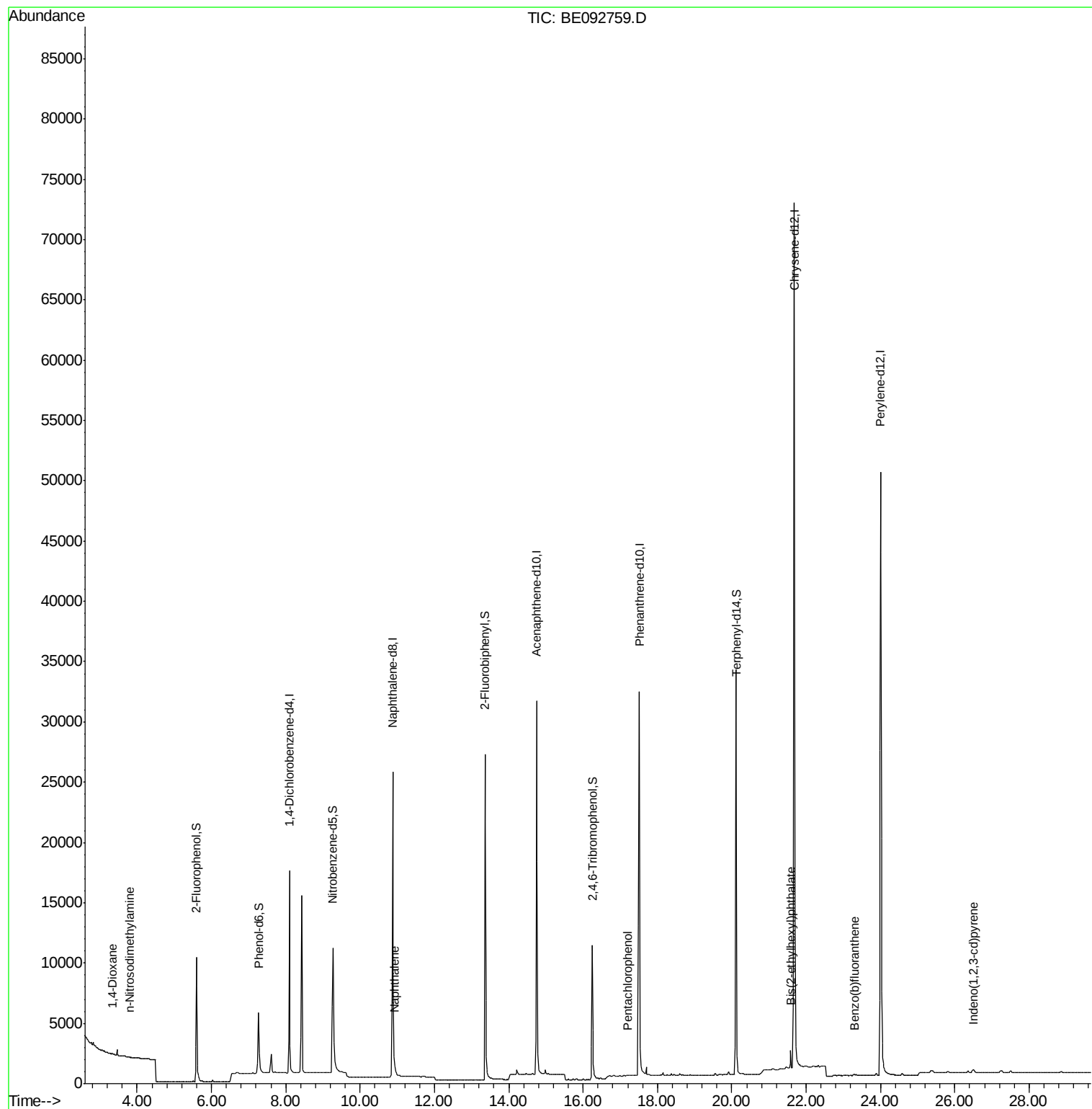
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	9369	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	39156	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	21970	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	54477	5.00	ng	0.00
24) Chrysene-d12	21.68	240	89099	5.00	ng	-0.02
31) Perylene-d12	24.01	264	77003	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.60	112	8837	4.85	ng	-0.03
5) Phenol-d6	7.27	99	6656	2.98	ng	-0.05
8) Nitrobenzene-d5	9.27	82	13902	5.25	ng	-0.05
13) 2,4,6-Tribromophenol	16.25	330	9092	19.50	ng	-0.03
14) 2-Fluorobiphenyl	13.36	172	31230	5.83	ng	-0.03
26) Terphenyl-d14	20.12	244	56070	4.93	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.33	88	88	0.02	ng	# 81
3) n-Nitrosodimethylamine	3.81	42	22	0.22	ng	# 2
9) Naphthalene	10.91	128	973	0.11	ng	# 69
20) Pentachlorophenol	17.19	266	97	0.41	ng	# 88
29) Bis(2-ethylhexyl)phthalate	21.59	149	2017	0.23	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.50	276	840	0.04	ng	# 96
32) Benzo(b)fluoranthene	23.30	252	204	0.04	ng	# 1

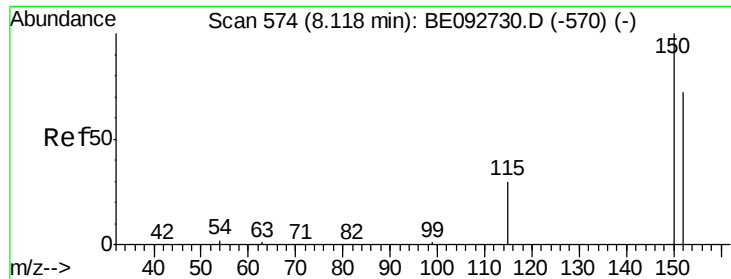
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

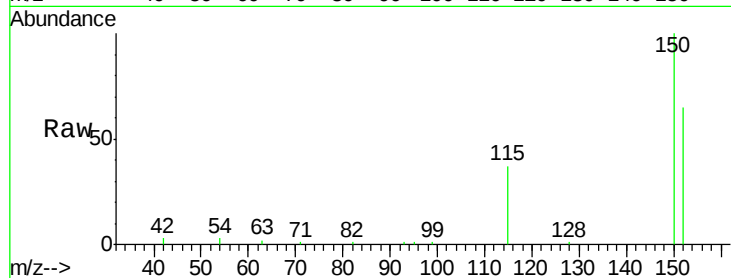
Tot Ion:152 Resp: 9369

Ion Ratio Lower Upper

152 100

150 153.4 106.0 159.0

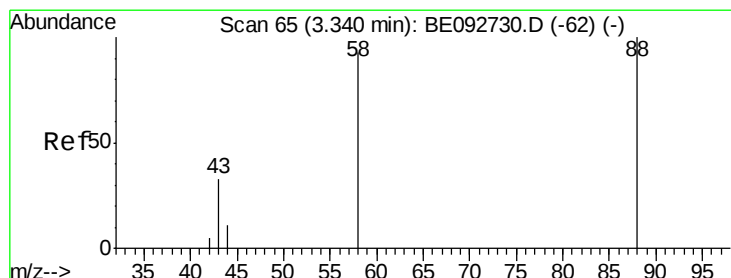
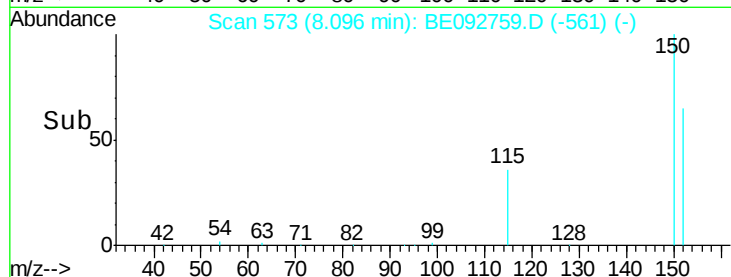
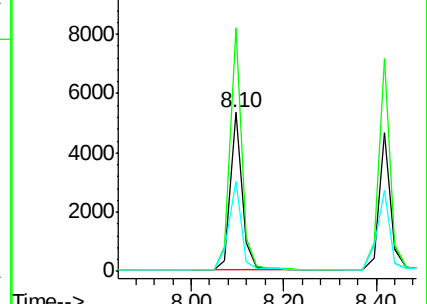
115 56.4 31.2 46.8#



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: 0.02 ng

RT: 3.33 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

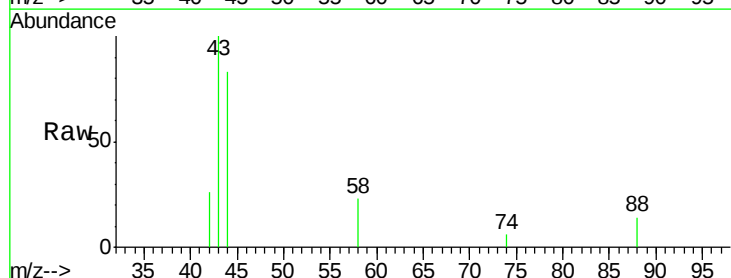
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

58 78.4 63.6 95.4

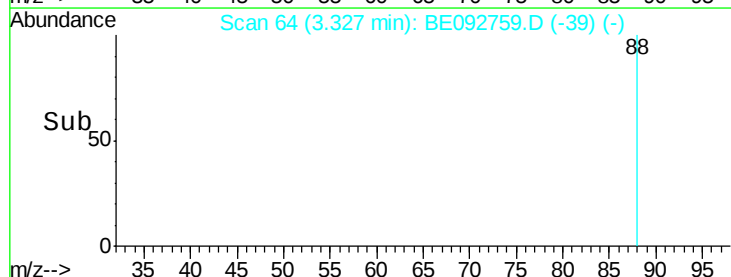
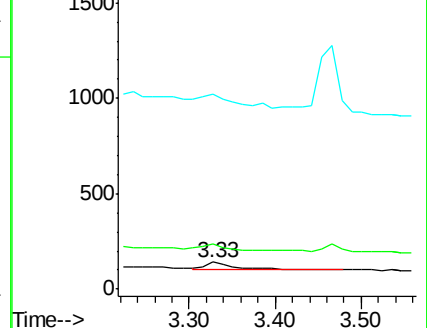
43 0.0 28.0 42.0#

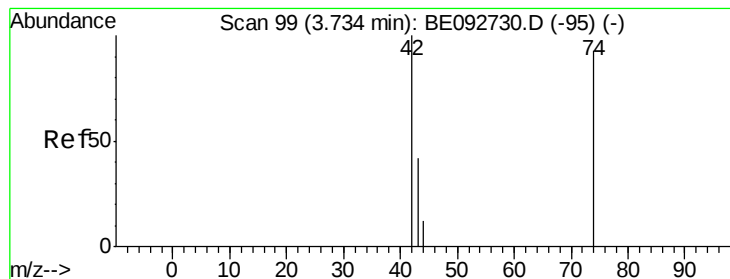


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



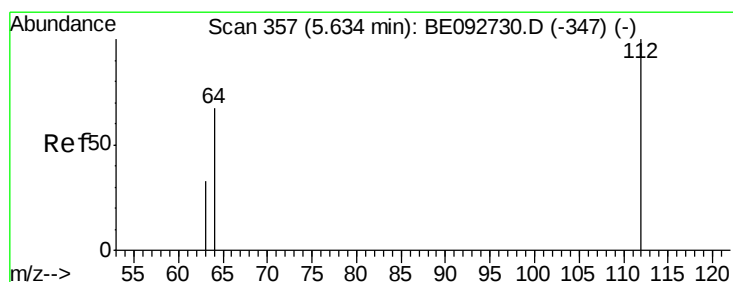
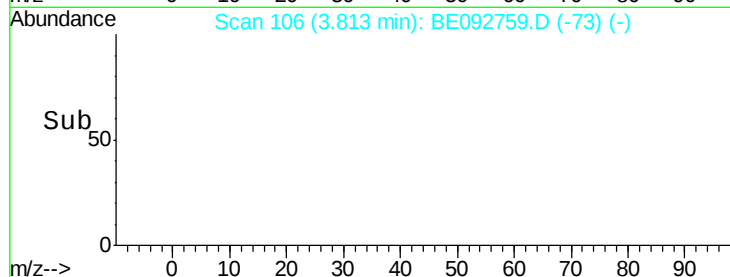
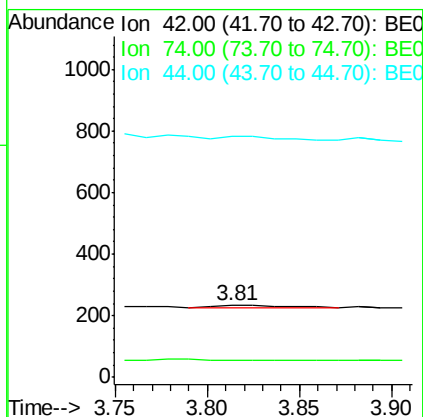
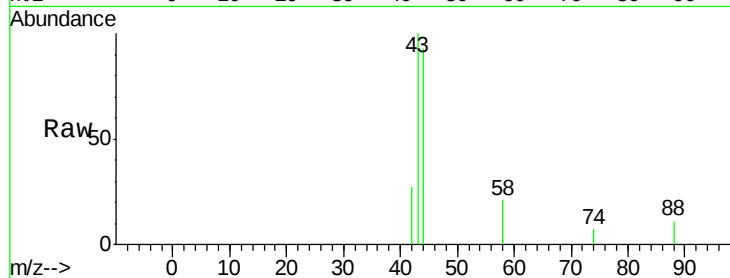


#3

n-Nitrosodimethylamine
Concen: 0.22 ng
RT: 3.81 min Scan# 106
Delta R.T. 0.08 min
Lab File: BE092759.D
Acq: 24 Feb 2017 14:25

Instrument :
BNA_E
ClientSampled :

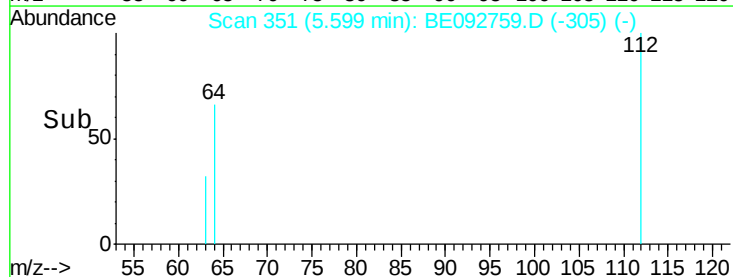
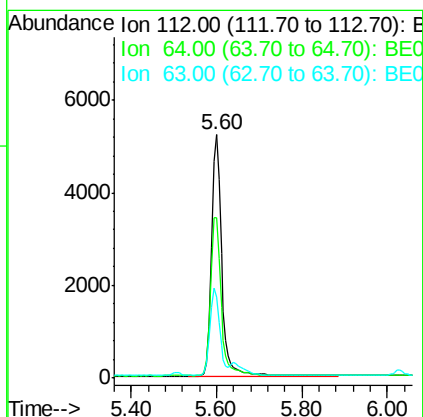
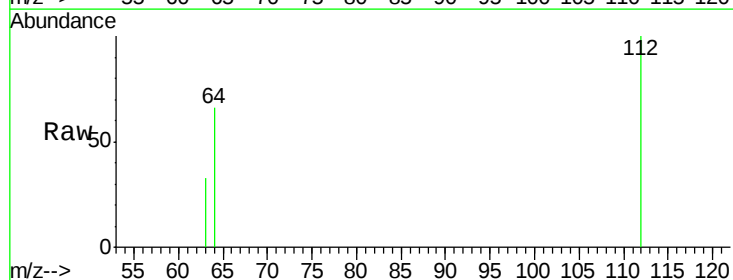
Tot Ion: 42 Resp: 22
Ion Ratio Lower Upper
42 100
74 0.0 86.0 129.0#
44 0.0 5.1 7.7#

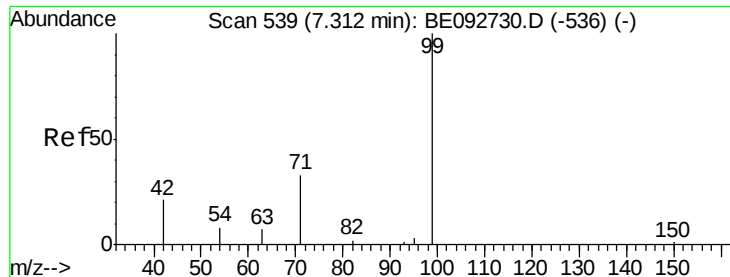


#4

2-Fluorophenol
Concen: 4.85 ng
RT: 5.60 min Scan# 351
Delta R.T. -0.03 min
Lab File: BE092759.D
Acq: 24 Feb 2017 14:25

Tgt Ion: 112 Resp: 8837
Ion Ratio Lower Upper
112 100
64 68.6 53.5 80.3
63 34.2 27.9 41.9





#5

Phenol-d6

Concen: 2.98 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

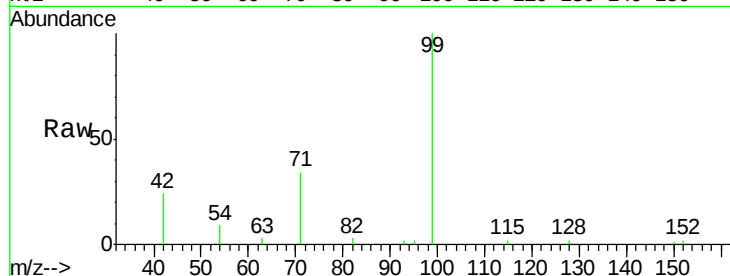
Tot Ion: 99 Resp: 6656

Ion Ratio Lower Upper

99 100

42 24.5 16.0 24.0#

71 34.0 30.6 45.8



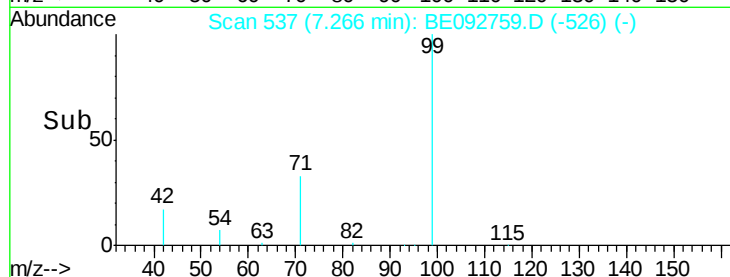
Abundance Ion 99.00 (98.70 to 99.70): BE092730.D (-536) (-)

Ion 42.00 (41.70 to 42.70): BE092730.D (-536) (-)

Ion 71.00 (70.70 to 71.70): BE092730.D (-536) (-)

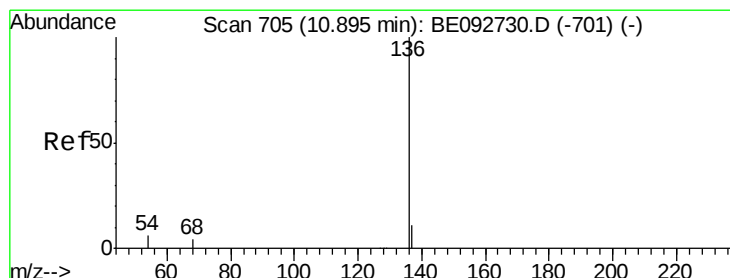
7.27

Time-->



7.27

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Tgt Ion: 136 Resp: 39156

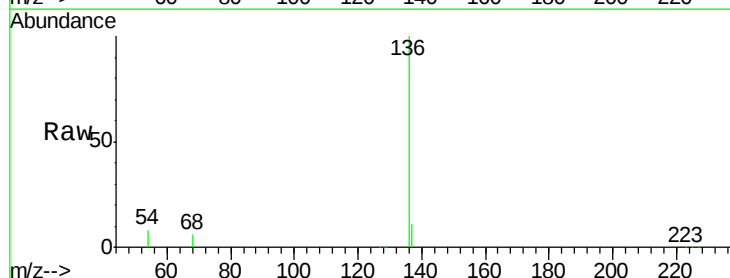
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 7.8 9.6 14.4#

68 5.9 6.7 10.1#



Abundance Ion 136.00 (135.70 to 136.70): BE092730.D (-701) (-)

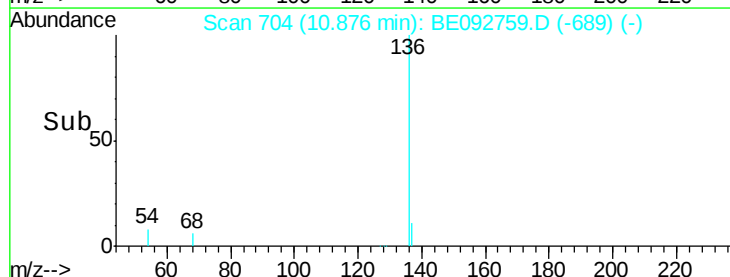
Ion 137.00 (136.70 to 137.70): BE092730.D (-701) (-)

Ion 54.00 (53.70 to 54.70): BE092730.D (-701) (-)

Ion 68.00 (67.70 to 68.70): BE092730.D (-701) (-)

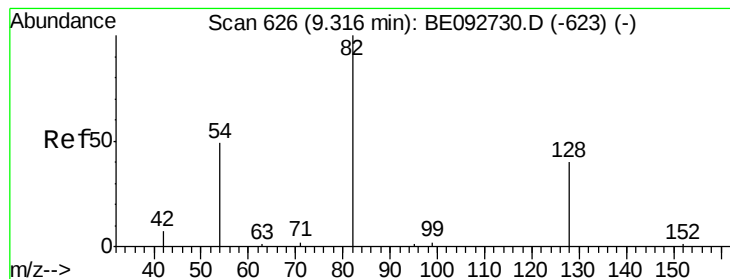
10.88

Time-->



10.88

Time-->



#8

Nitrobenzene-d5

Concen: 5.25 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

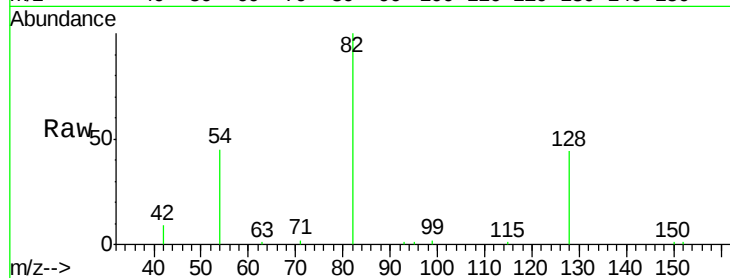
Tot Ion: 82 Resp: 13902

Ion Ratio Lower Upper

82 100

128 43.6 39.0 58.4

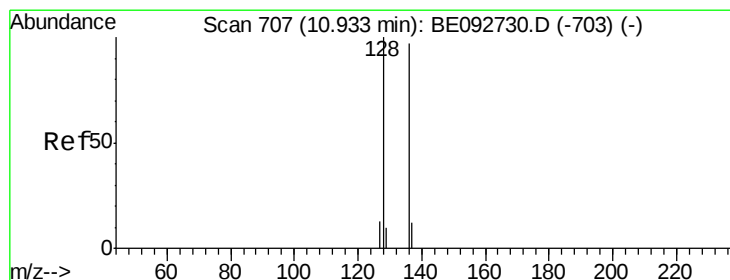
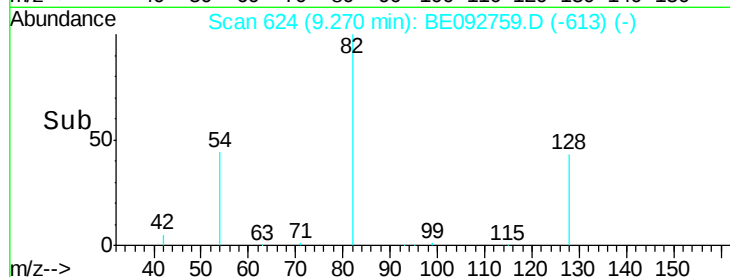
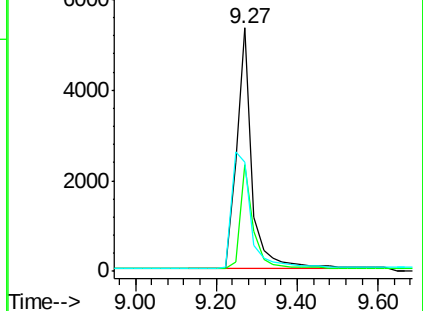
54 45.1 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.11 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

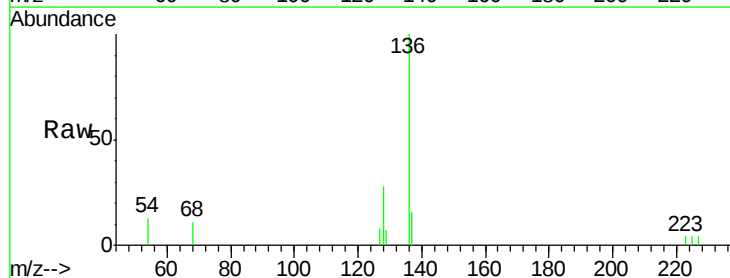
Tgt Ion: 128 Resp: 973

Ion Ratio Lower Upper

128 100

129 26.2 11.2 16.8#

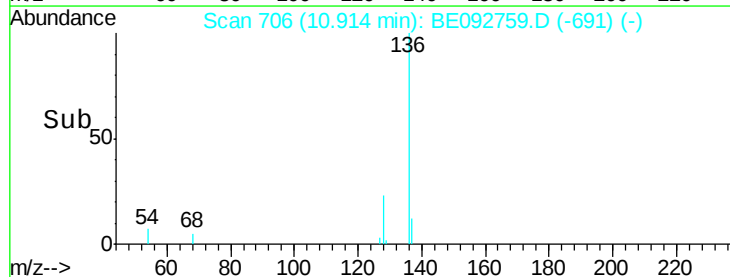
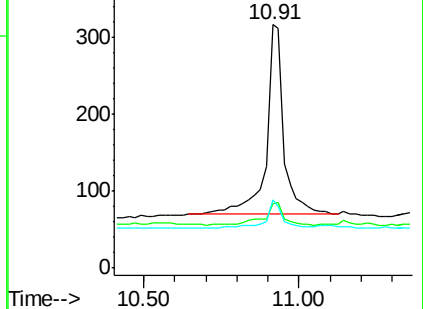
127 27.8 11.6 17.4#

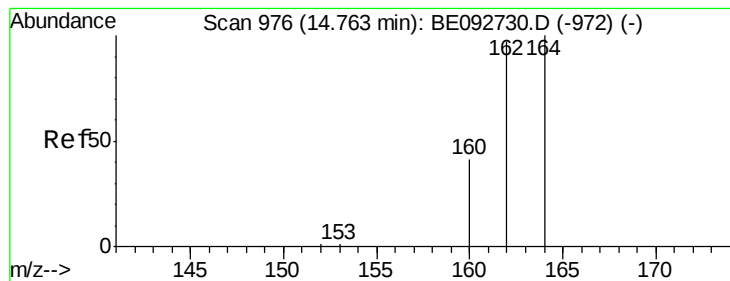


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 975

Delta R.T. -0.02 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

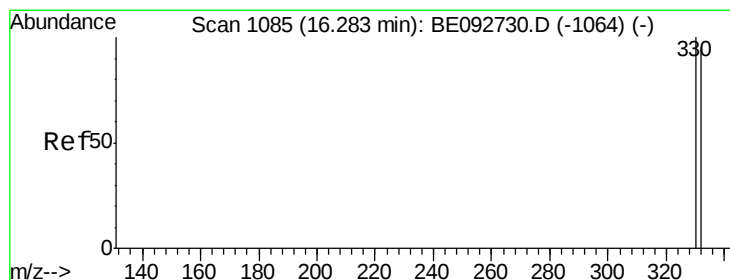
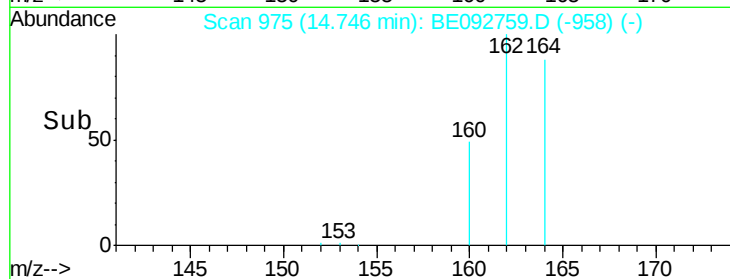
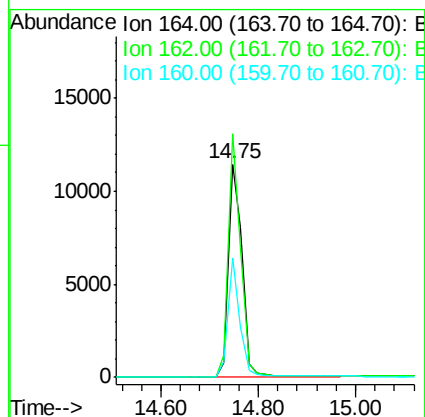
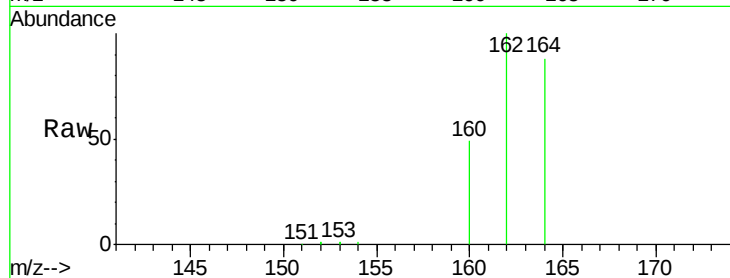
Tot Ion:164 Resp: 21970

Ion Ratio Lower Upper

164 100

162 114.2 71.4 107.0#

160 55.8 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 19.50 ng

RT: 16.25 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

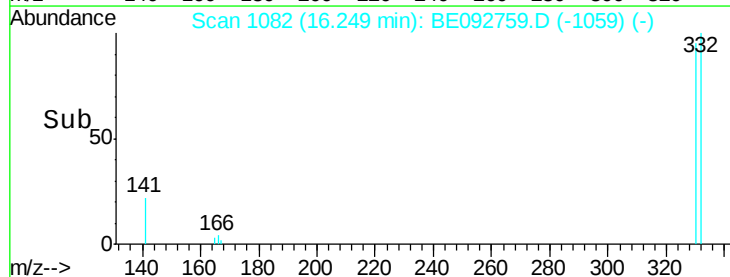
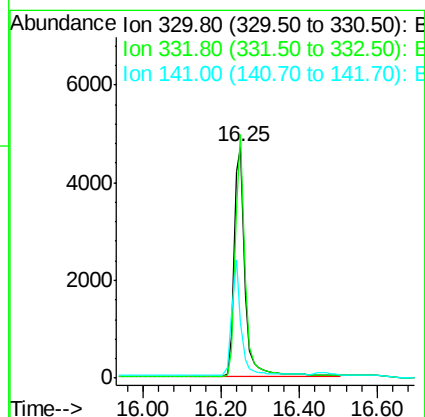
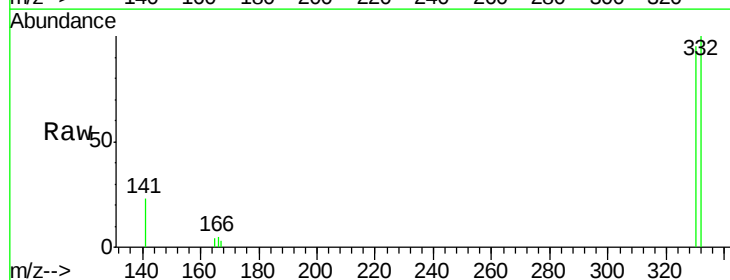
Tgt Ion:330 Resp: 9092

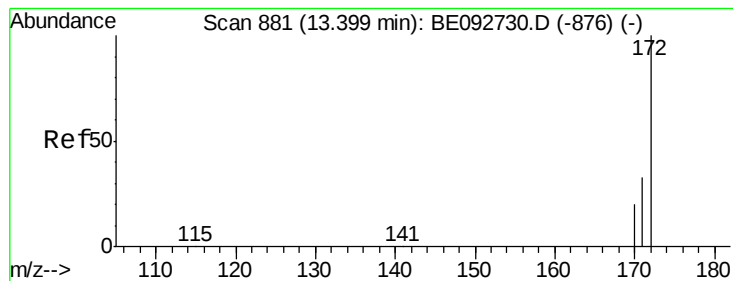
Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

141 43.5 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.83 ng

RT: 13.36 min Scan# 878

Delta R.T. -0.03 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

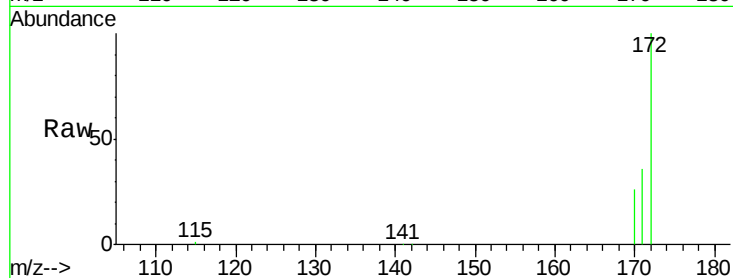
Tot Ion:172 Resp: 31230

Ion Ratio Lower Upper

172 100

171 36.5 30.1 45.1

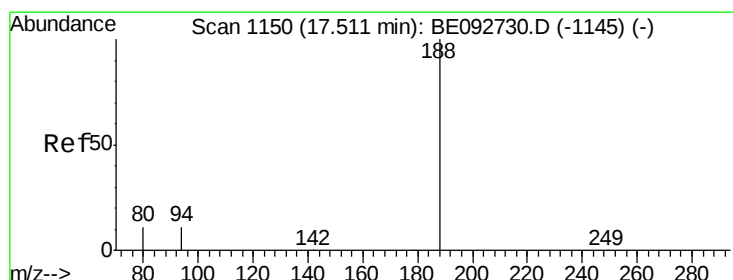
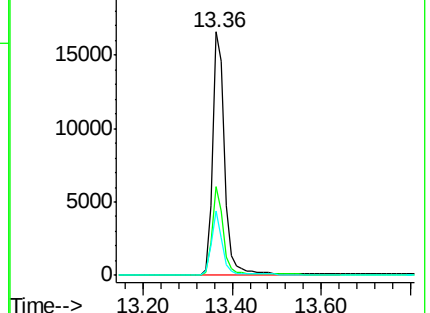
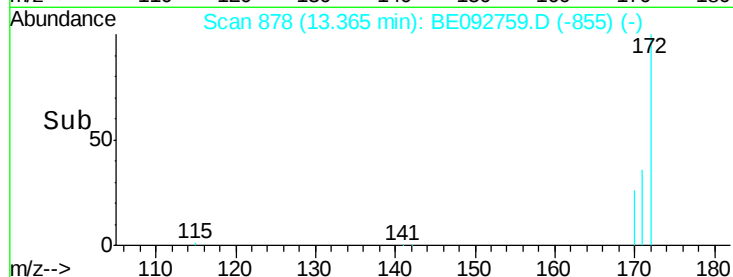
170 26.4 21.8 32.6



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# 1150

Delta R.T. 0.00 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

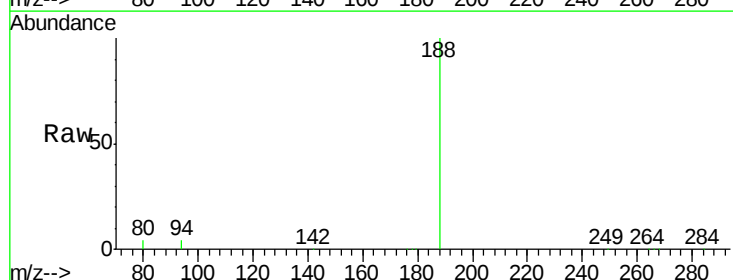
Tgt Ion:188 Resp: 54477

Ion Ratio Lower Upper

188 100

94 4.2 3.2 4.8

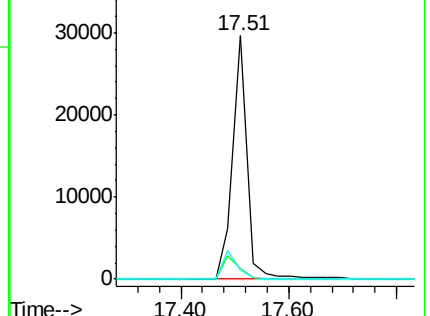
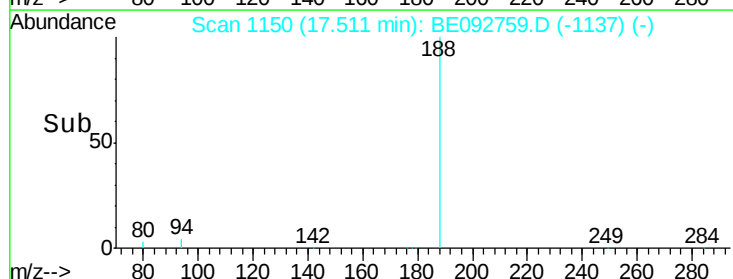
80 3.6 2.6 3.8

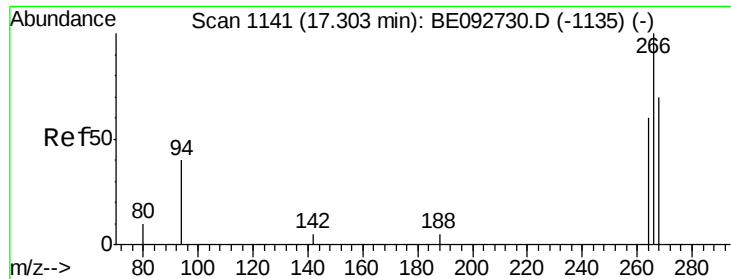


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

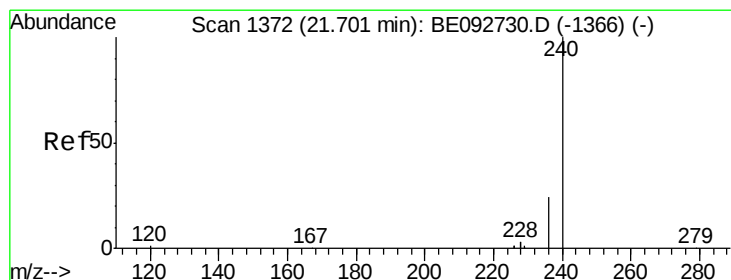
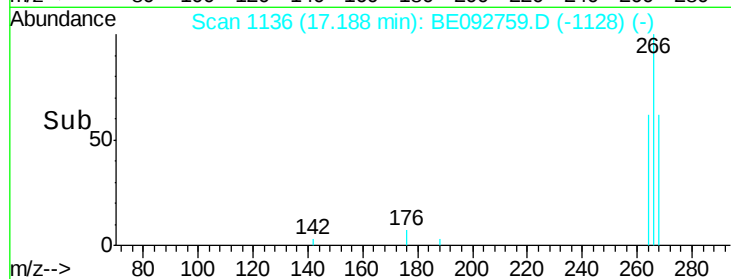
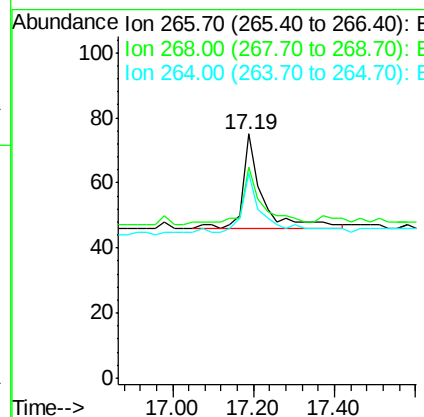
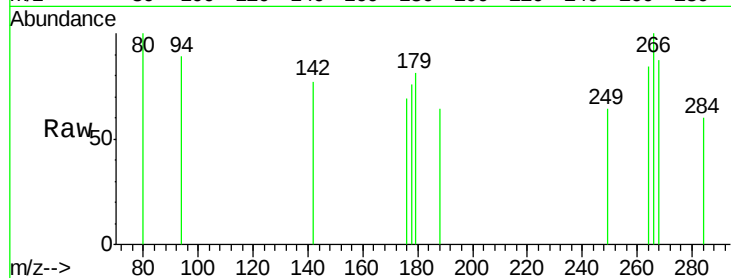




#20
 Pentachlorophenol
 Concen: 0.41 ng
 RT: 17.19 min Scan# 1136
 Delta R.T. -0.11 min
 Lab File: BE092759.D
 Acq: 24 Feb 2017 14:25

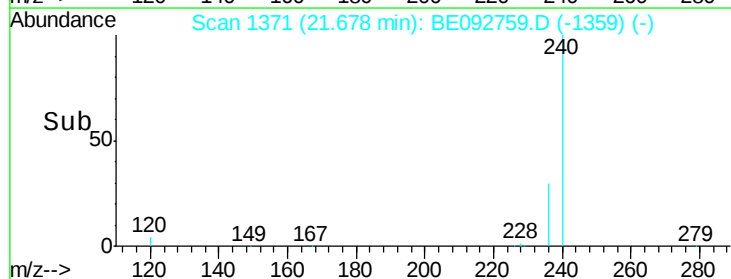
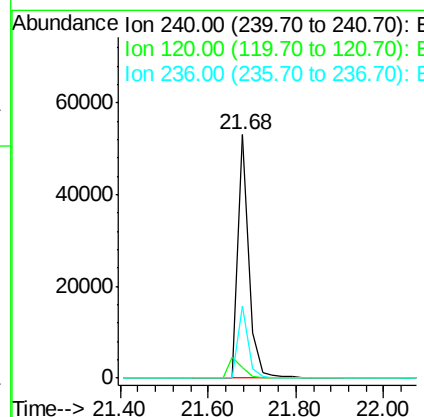
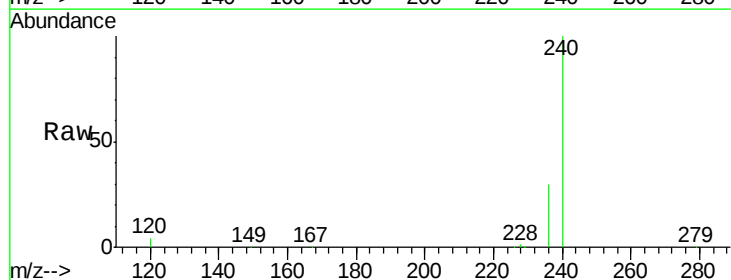
Instrument :
 BNA_E
 ClientSampled :

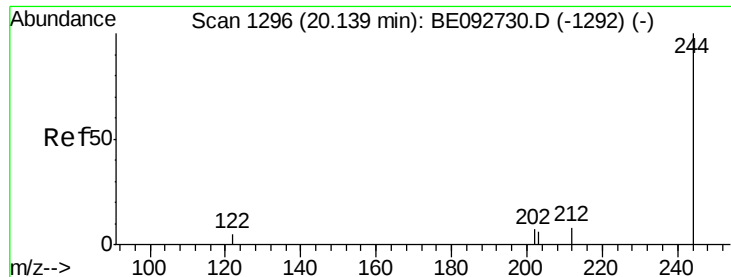
Tot Ion: 266 Resp: 97
 Ion Ratio Lower Upper
 266 100
 268 86.7 62.5 93.7
 264 84.0 57.2 85.8



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.68 min Scan# 1371
 Delta R.T. -0.02 min
 Lab File: BE092759.D
 Acq: 24 Feb 2017 14:25

Tgt Ion: 240 Resp: 89099
 Ion Ratio Lower Upper
 240 100
 120 4.3 2.6 4.0#
 236 29.6 24.6 37.0





#26

Terphenyl-d14

Concen: 4.93 ng

RT: 20.12 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

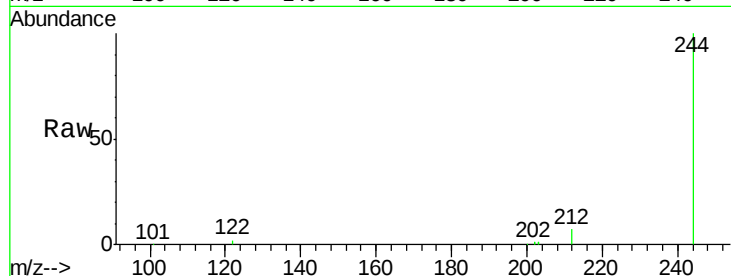
Tot Ion:244 Resp: 56070

Ion Ratio Lower Upper

244 100

212 6.8 6.7 10.1

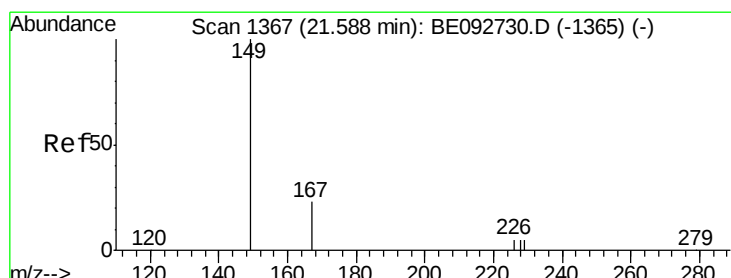
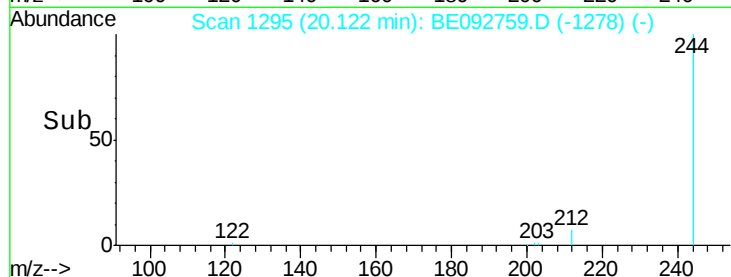
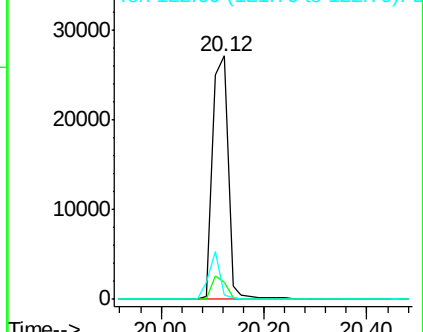
122 1.6 3.6 5.4#



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: 0.23 ng

RT: 21.59 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

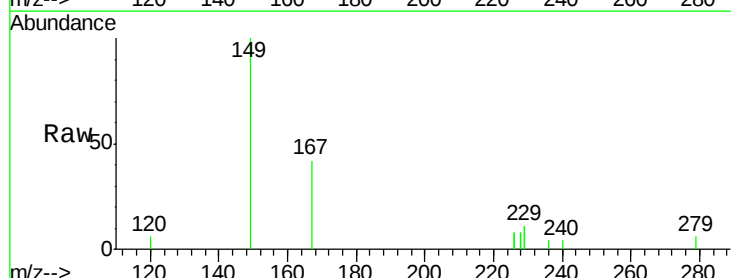
Tgt Ion:149 Resp: 2017

Ion Ratio Lower Upper

149 100

167 30.3 16.0 24.0#

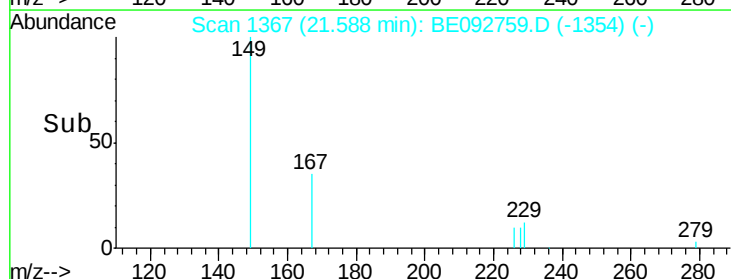
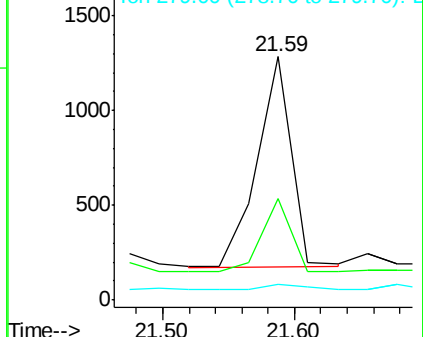
279 3.1 16.0 24.0#

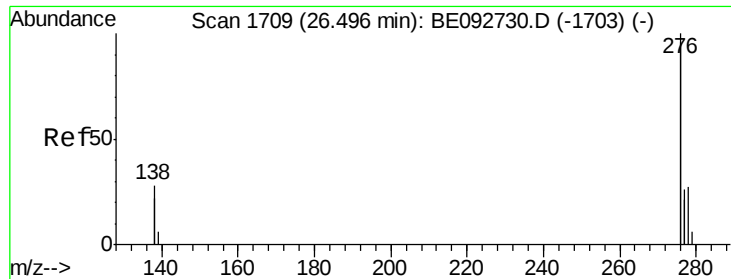


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

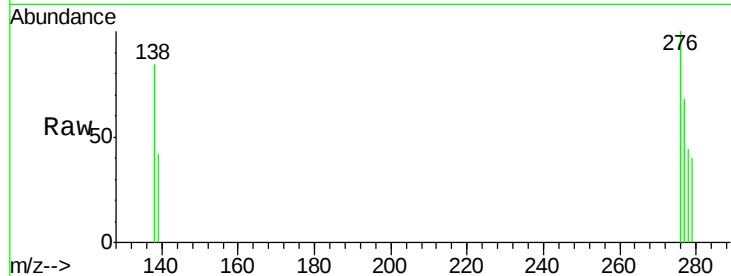




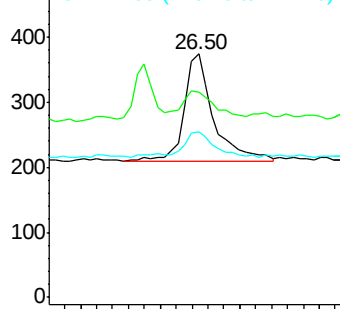
#30
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.50 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BE092759.D
Acq: 24 Feb 2017 14:25

Instrument :
BNA_E
ClientSampleId :

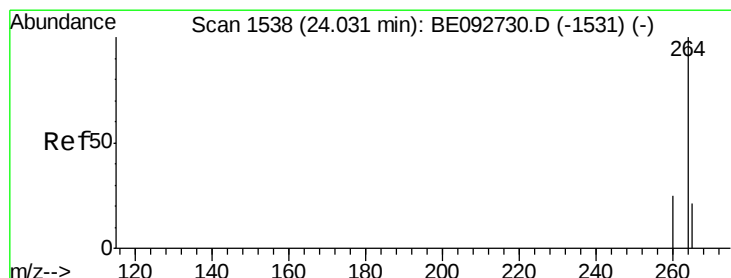
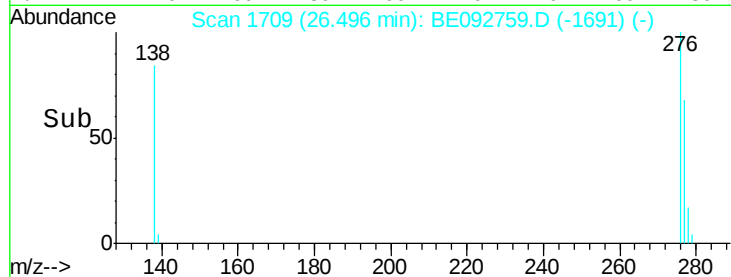
Tot Ion:276 Resp: 840
Ion Ratio Lower Upper
276 100
138 27.3 20.3 30.5
277 26.3 19.7 29.5



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

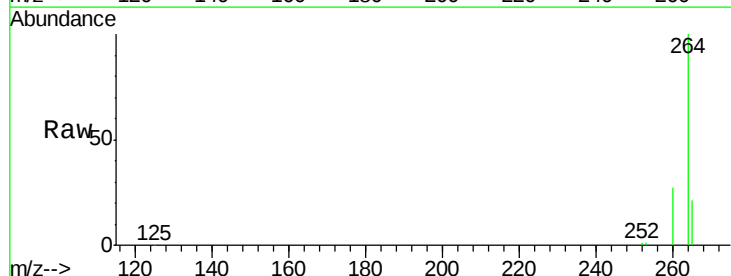


Time--> 26.20 26.40 26.60 26.80

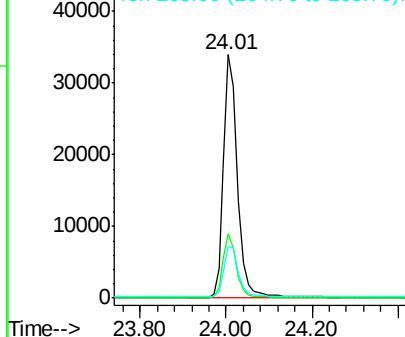


#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1536
Delta R.T. -0.03 min
Lab File: BE092759.D
Acq: 24 Feb 2017 14:25

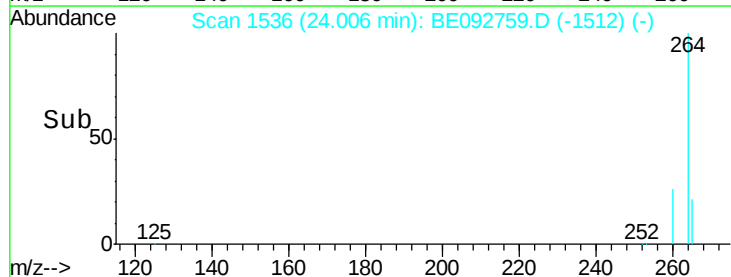
Tgt Ion:264 Resp: 77003
Ion Ratio Lower Upper
264 100
260 26.5 20.1 30.1
265 21.2 17.9 26.9

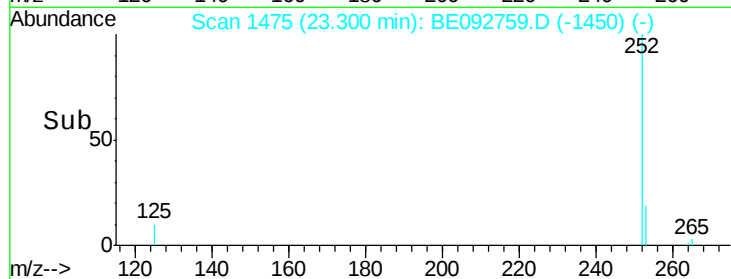
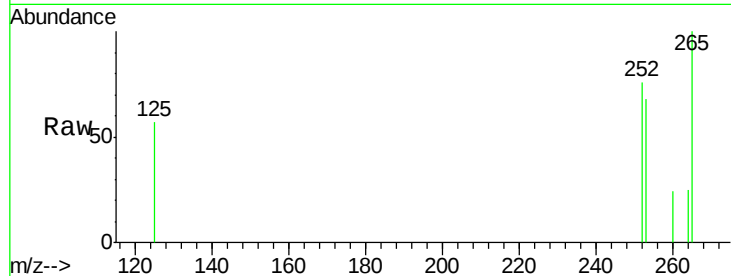
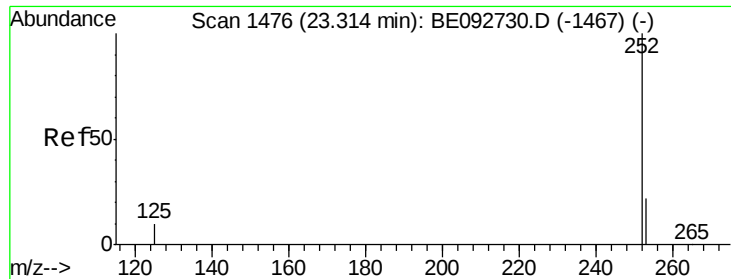


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 23.80 24.00 24.20





#32

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 23.30 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BE092759.D

Acq: 24 Feb 2017 14:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 204

Ion Ratio Lower Upper

252 100

253 90.4 18.7 28.1#

125 75.4 10.5 15.7#

