

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022817\
 Data File : BE092773.D
 Acq On : 28 Feb 2017 21:27
 Operator : SJ/MA
 Sample : I1994-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 W-1

Quant Time: Mar 01 08:08:23 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

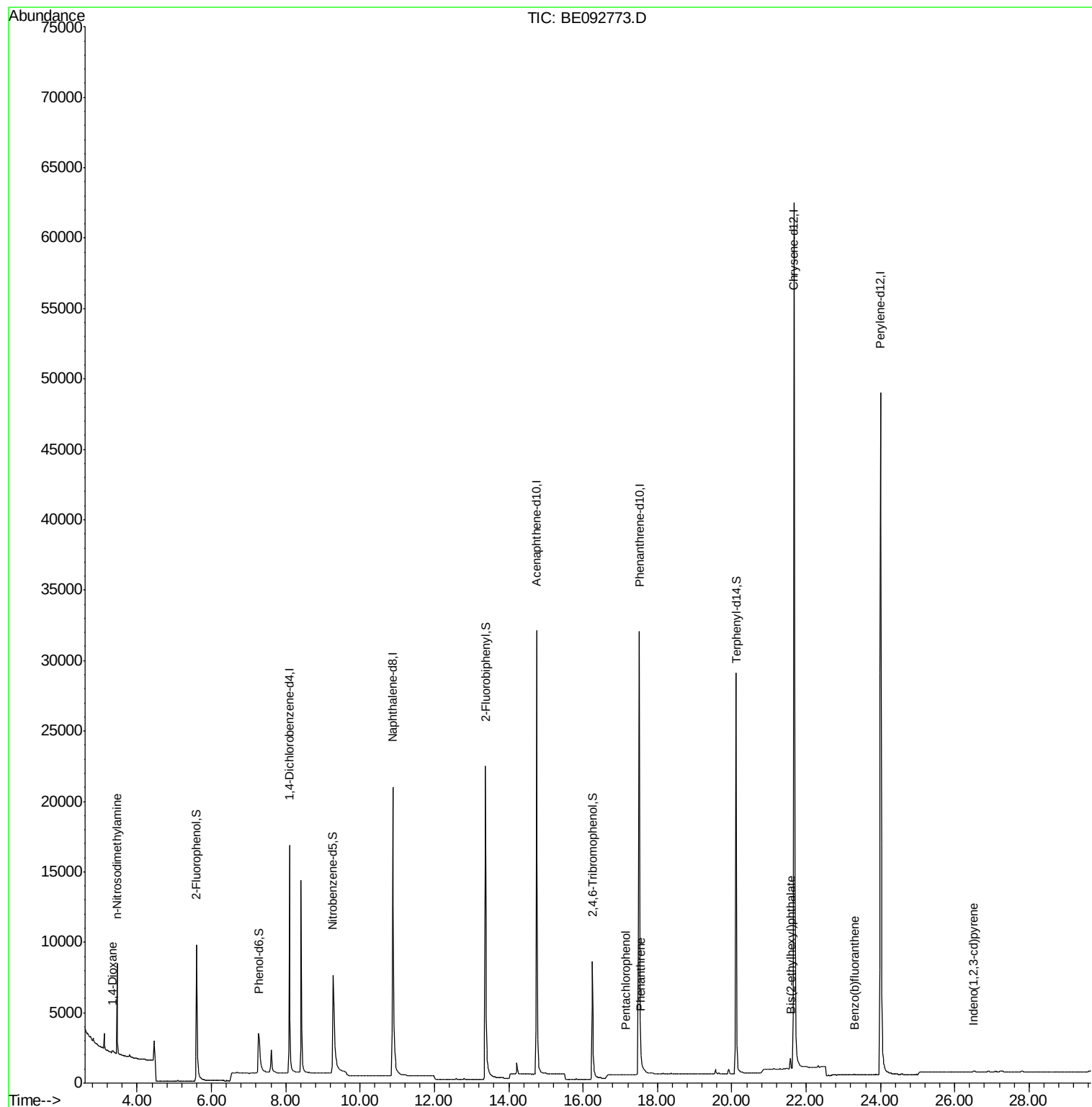
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	9687	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	39714	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	22156	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	54056	5.00	ng	0.00
24) Chrysene-d12	21.68	240	80242	5.00	ng	-0.02
31) Perylene-d12	24.01	264	74274	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.60	112	9717	5.16	ng	-0.03
5) Phenol-d6	7.29	99	6598	2.85	ng	-0.02
8) Nitrobenzene-d5	9.27	82	12317	4.60	ng	-0.05
13) 2,4,6-Tribromophenol	16.25	330	6800	14.46	ng	-0.03
14) 2-Fluorobiphenyl	13.38	172	29286	5.42	ng	-0.02
26) Terphenyl-d14	20.12	244	49293	4.81	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.34	88	336	0.23	ng	# 68
3) n-Nitrosodimethylamine	3.46	42	1572	1.05	ng	# 1
20) Pentachlorophenol	17.14	266	30	0.30	ng	# 91
21) Phenanthrene	17.56	178	285	0.02	ng	# 57
29) Bis(2-ethylhexyl)phthalate	21.59	149	1088	0.16	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.51	276	289	0.03	ng	# 86
32) Benzo(b)fluoranthene	23.30	252	158	0.04	ng	# 1

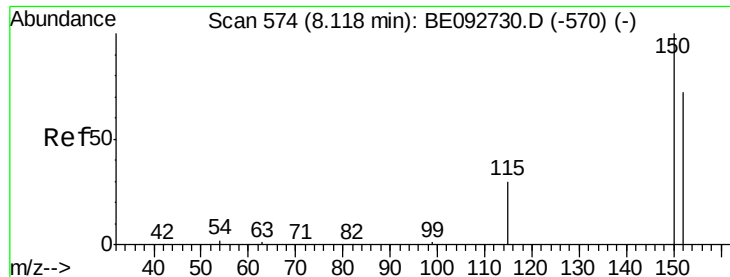
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092773.D

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BNA_E

ClientSampleId :

W-1

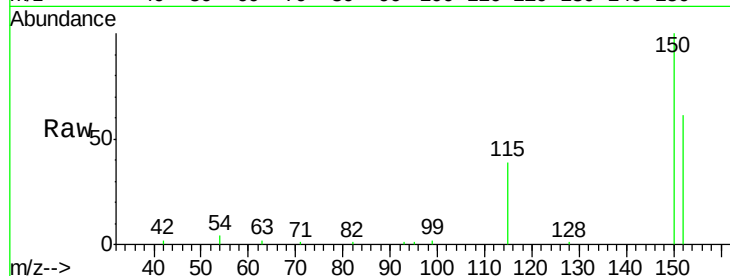
Tot Ion:152 Resp: 9687

Ion Ratio Lower Upper

152 100

150 163.0 106.0 159.0#

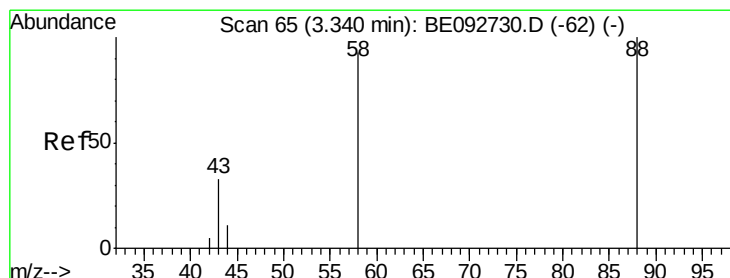
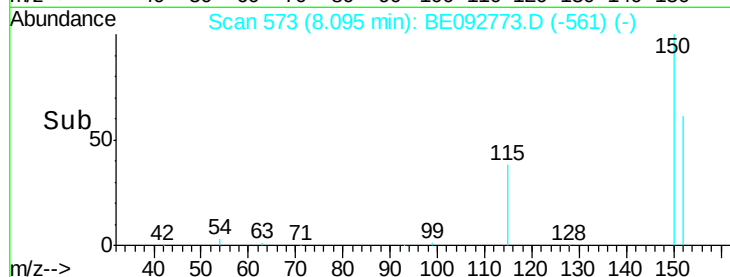
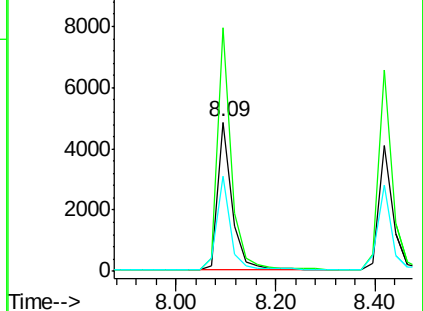
115 63.4 31.2 46.8#



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: 0.23 ng

RT: 3.34 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

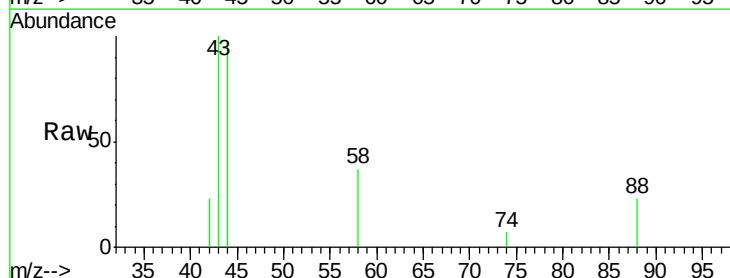
Tgt Ion: 88 Resp: 336

Ion Ratio Lower Upper

88 100

58 62.5 63.6 95.4#

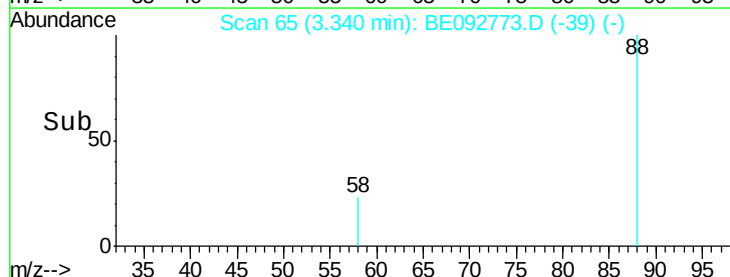
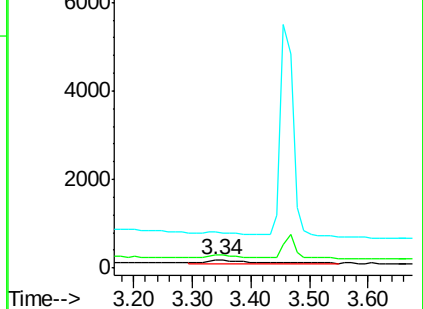
43 0.0 28.0 42.0#

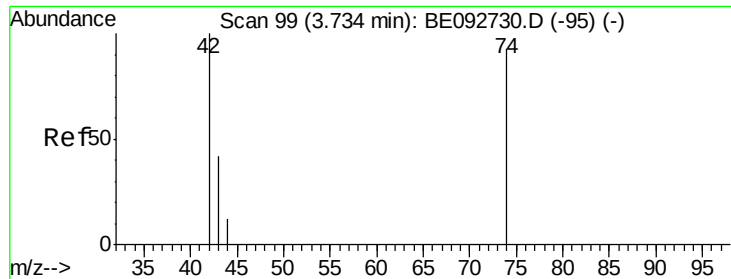


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.05 ng

RT: 3.46 min Scan# 75

Delta R.T. -0.28 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampleId :

W-1

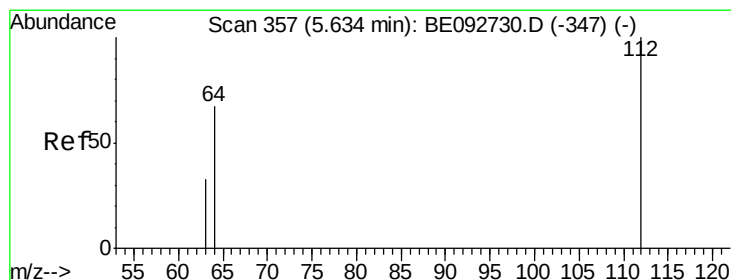
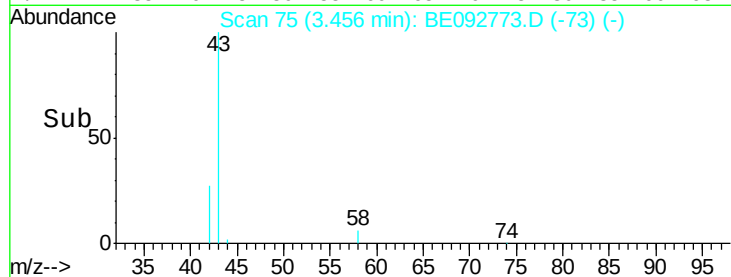
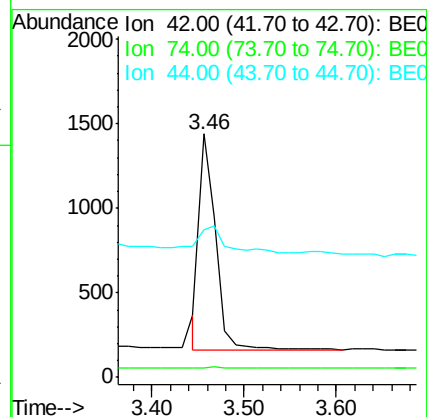
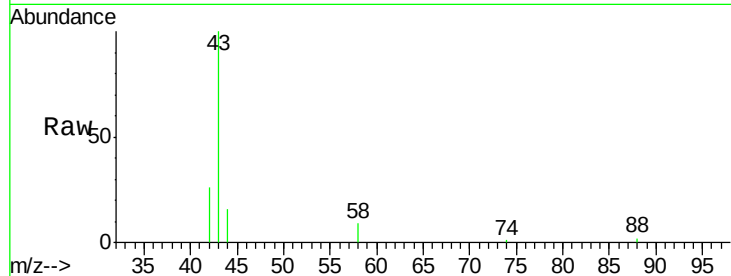
Tot Ion: 42 Resp: 1572

Ion Ratio Lower Upper

42 100

74 0.6 86.0 129.0#

44 18.1 5.1 7.7#



#4

2-Fluorophenol

Concen: 5.16 ng

RT: 5.60 min Scan# 351

Delta R.T. -0.03 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

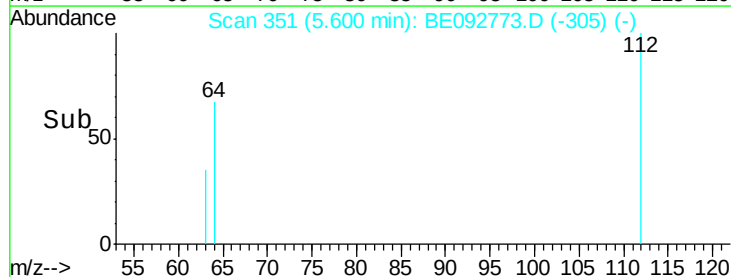
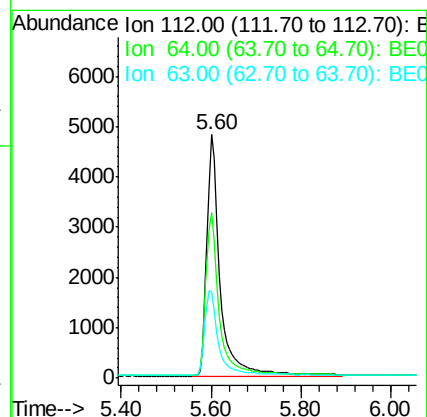
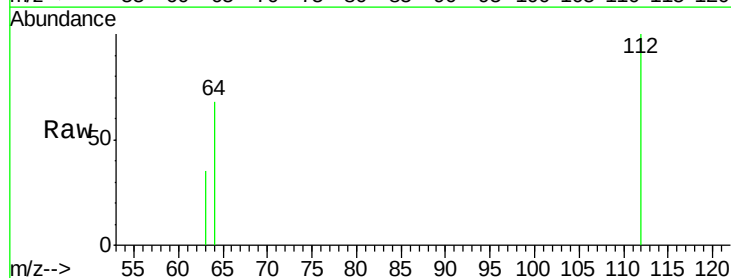
Tgt Ion: 112 Resp: 9717

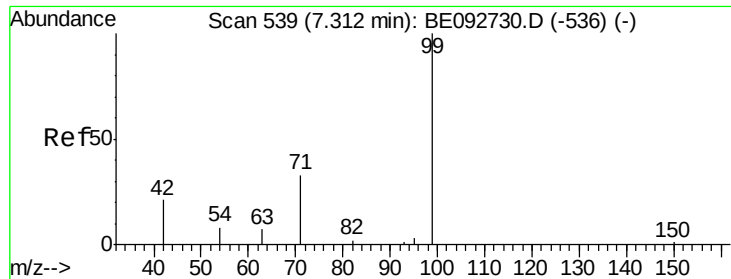
Ion Ratio Lower Upper

112 100

64 68.1 53.5 80.3

63 35.7 27.9 41.9





#5

Phenol-d6

Concen: 2.85 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampled :

W-1

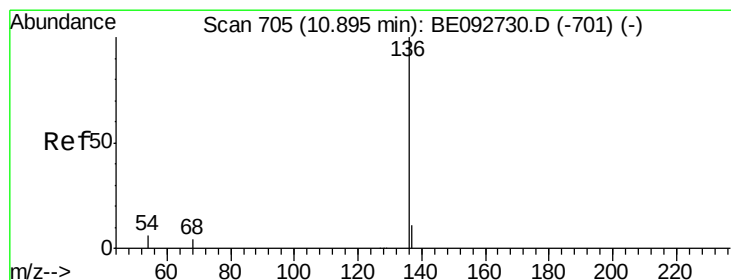
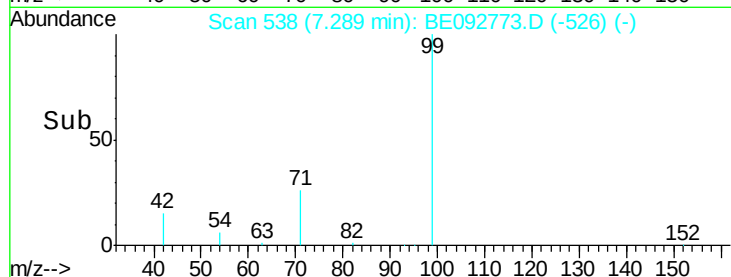
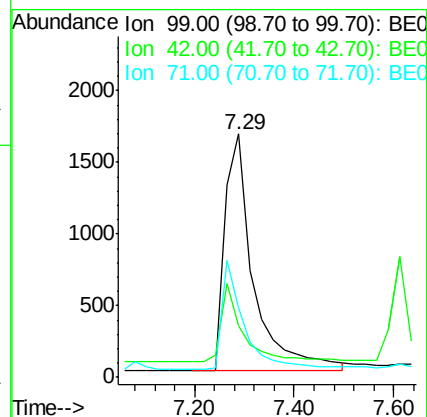
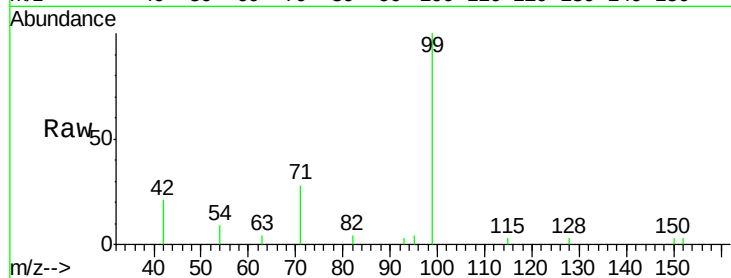
Tot Ion: 99 Resp: 6598

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 0.0 30.6 45.8#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.87 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Tgt Ion: 136 Resp: 39714

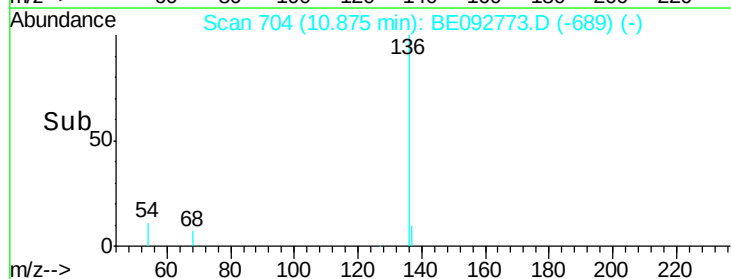
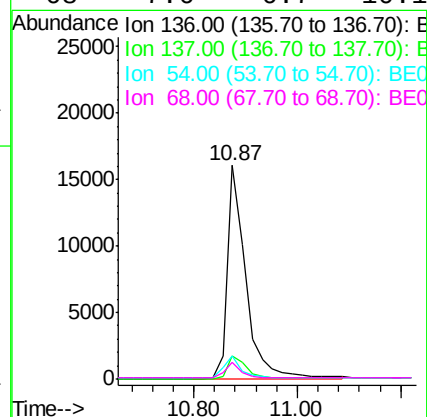
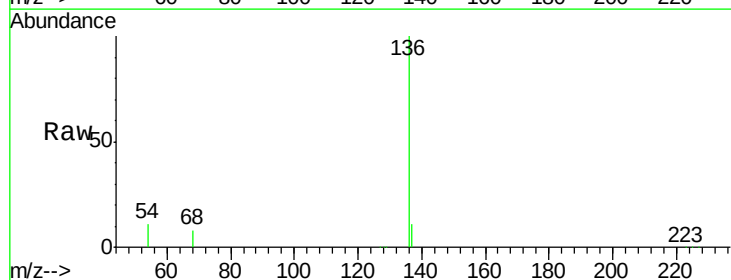
Ion Ratio Lower Upper

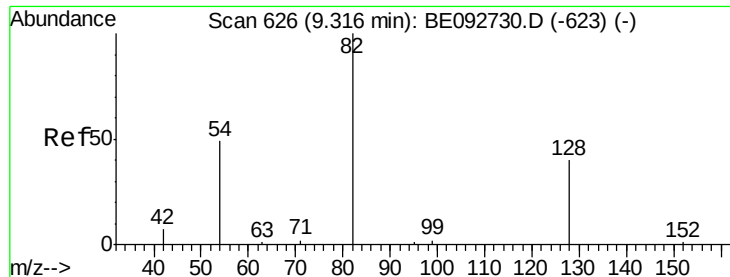
136 100

137 10.5 8.2 12.4

54 11.0 9.6 14.4

68 7.6 6.7 10.1





#8

Nitrobenzene-d5

Concen: 4.60 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampleId :

W-1

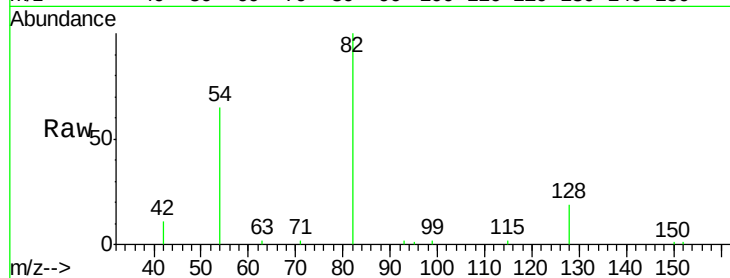
Tot Ion: 82 Resp: 12317

Ion Ratio Lower Upper

82 100

128 19.0 39.0 58.4#

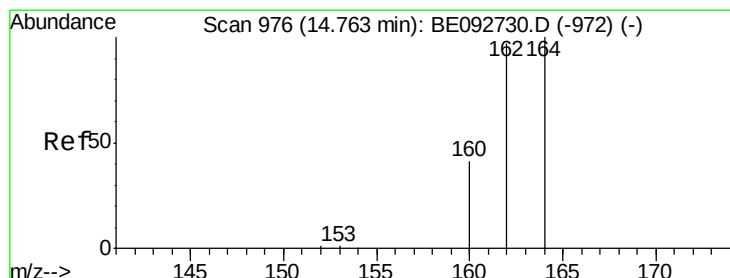
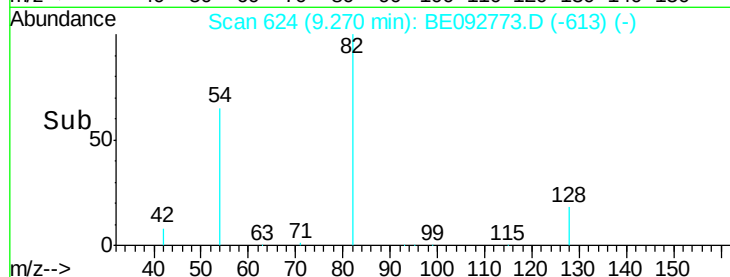
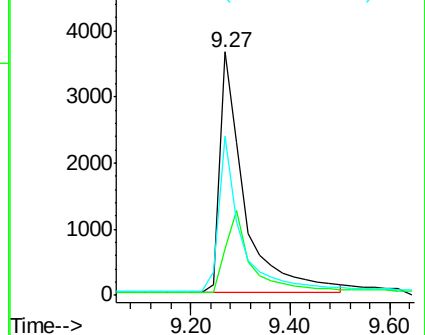
54 65.4 44.8 67.2



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

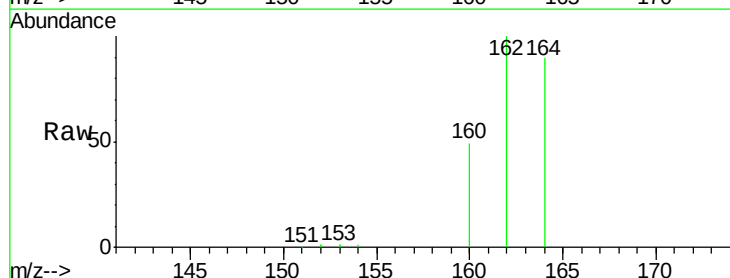
Tgt Ion: 164 Resp: 22156

Ion Ratio Lower Upper

164 100

162 111.6 71.4 107.0#

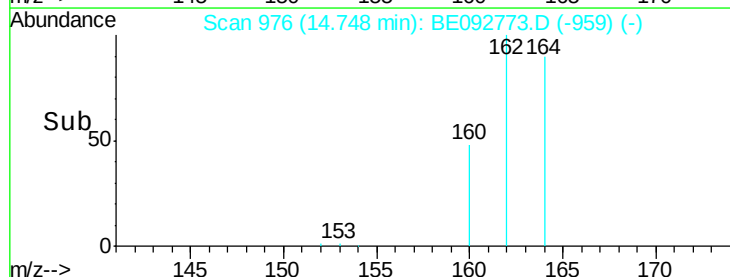
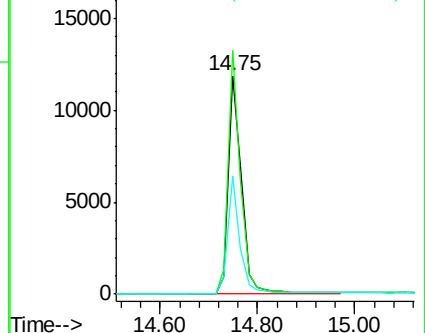
160 54.3 27.4 41.2#

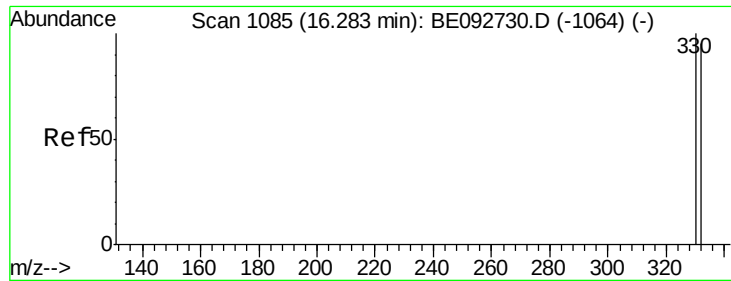


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

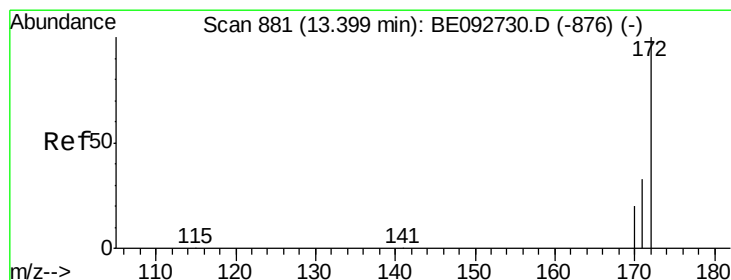
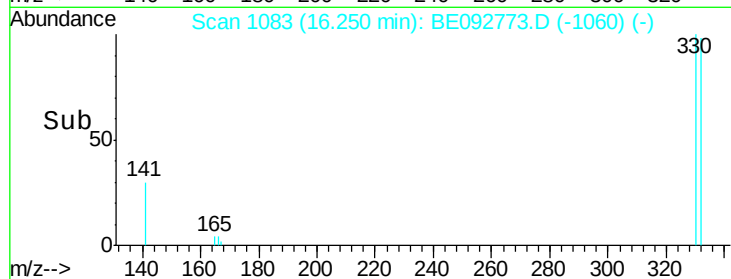
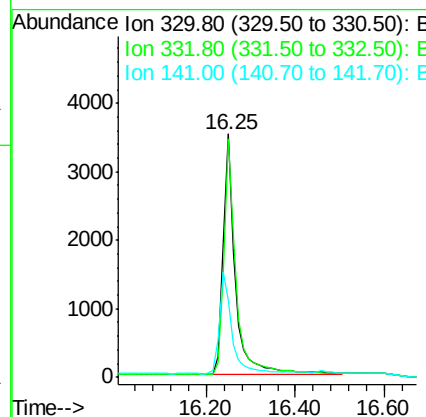
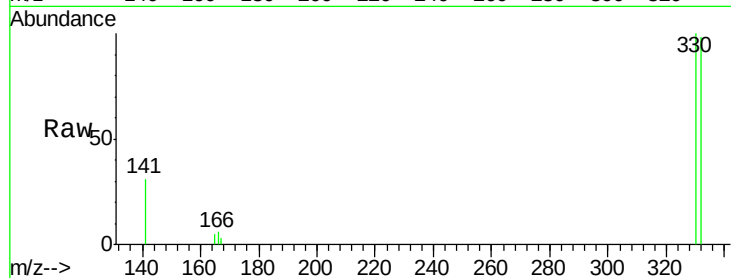




#13
 2,4,6-Tribromophenol
 Concen: 14.46 ng
 RT: 16.25 min Scan# 1083
 Delta R.T. -0.03 min
 Lab File: BE092773.D
 Acq: 28 Feb 2017 21:27

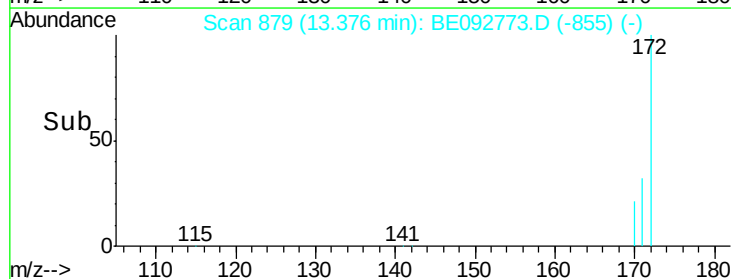
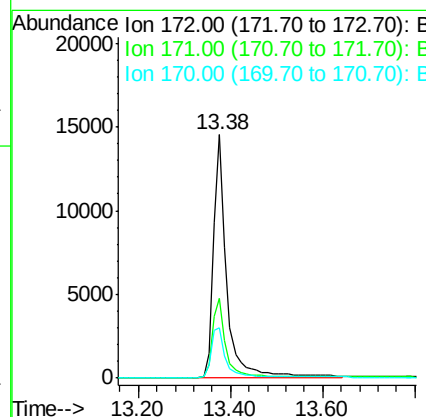
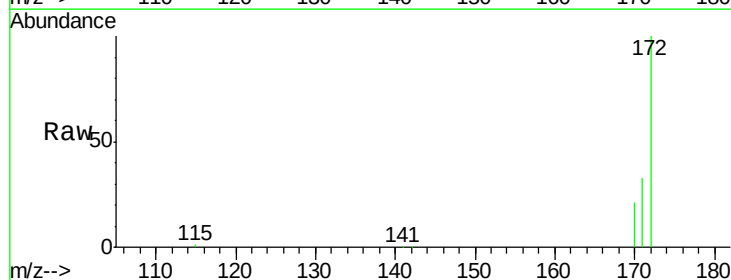
Instrument :
 BNA_E
 ClientSampleId :
 W-1

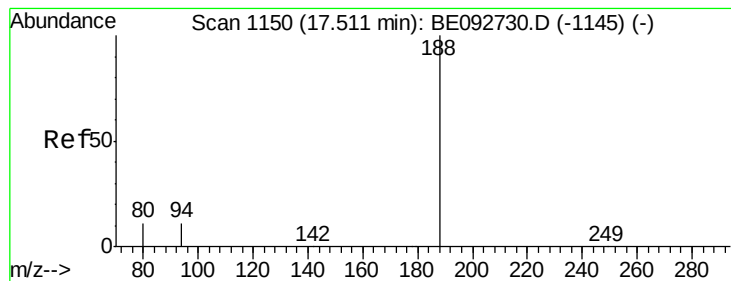
Tot Ion:330 Resp: 6800
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.4 113.0
 141 43.6 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.42 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092773.D
 Acq: 28 Feb 2017 21:27

Tgt Ion:172 Resp: 29286
 Ion Ratio Lower Upper
 172 100
 171 32.6 30.1 45.1
 170 20.9 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.51 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampleId :

W-1

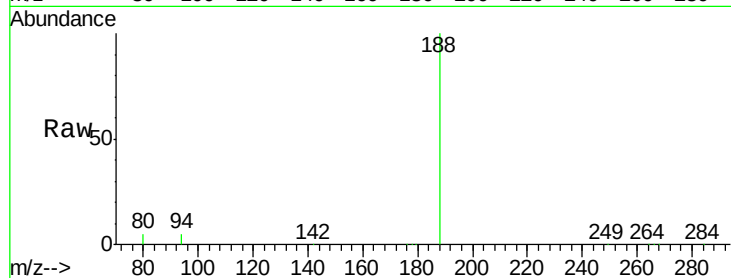
Tot Ion:188 Resp: 54056

Ion Ratio Lower Upper

188 100

94 5.4 3.2 4.8#

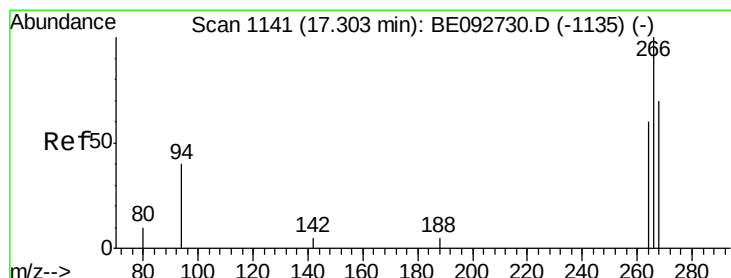
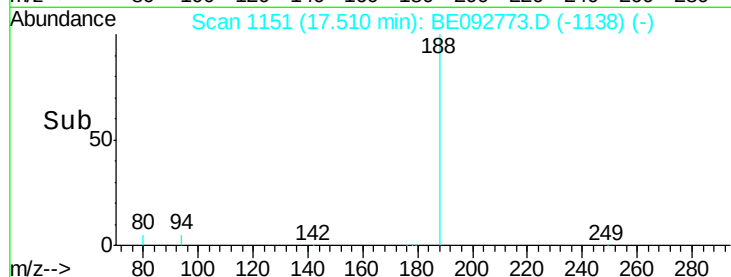
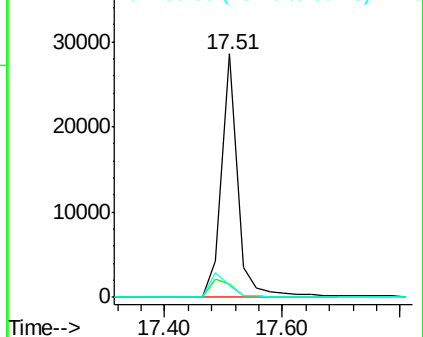
80 5.0 2.6 3.8#



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: 0.30 ng

RT: 17.14 min Scan# 1135

Delta R.T. -0.16 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

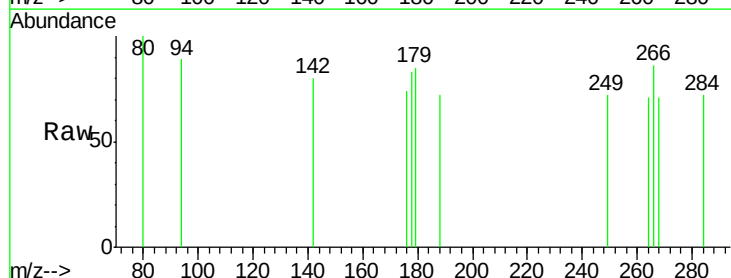
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 82.1 62.5 93.7

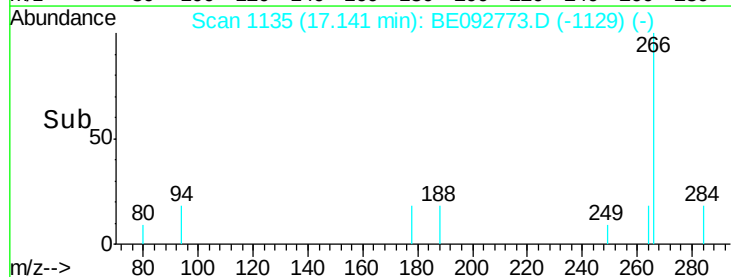
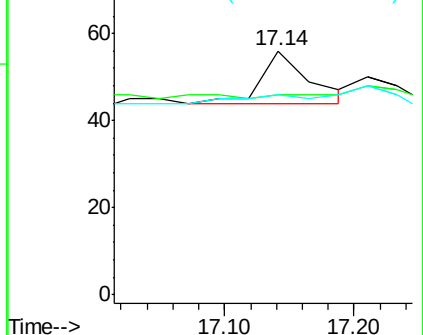
264 82.1 57.2 85.8

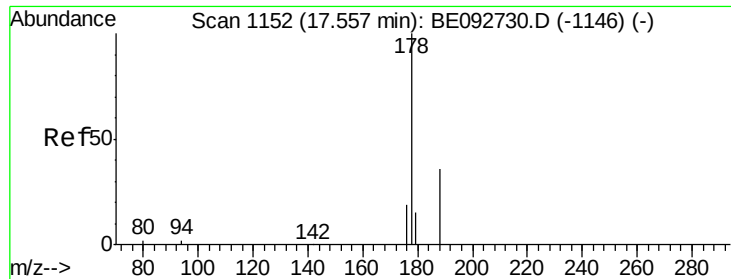


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

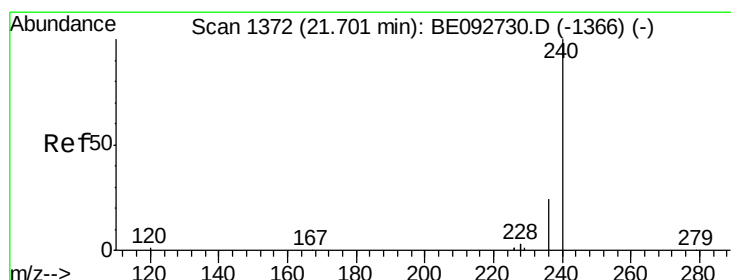
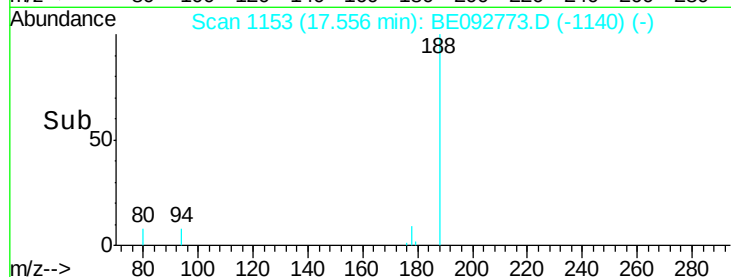
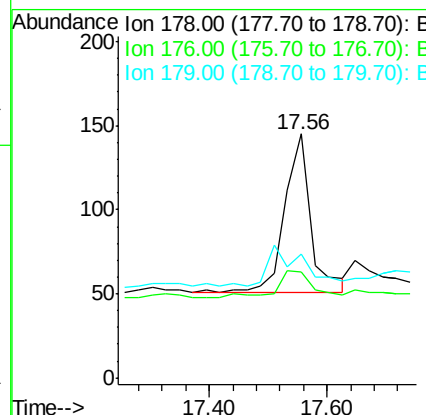
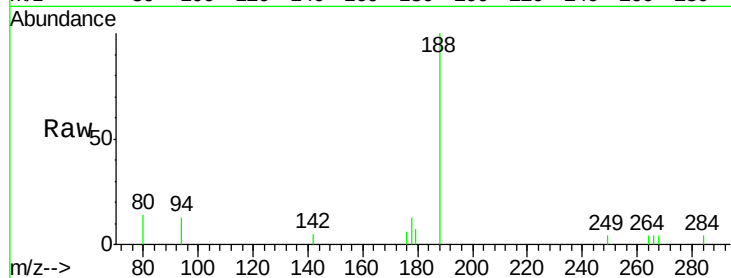




#21
Phenanthrene
Concen: 0.02 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092773.D
Acq: 28 Feb 2017 21:27

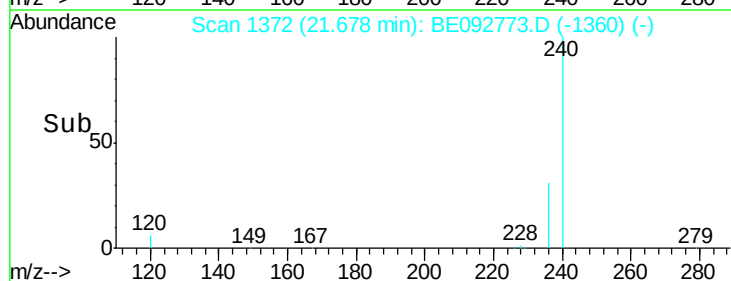
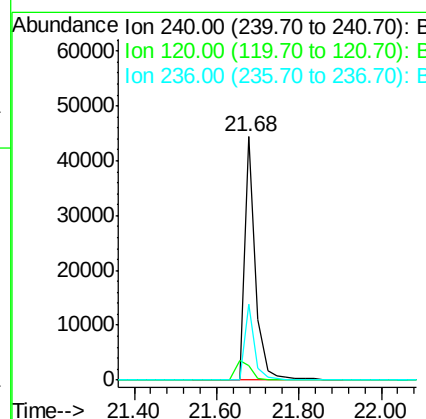
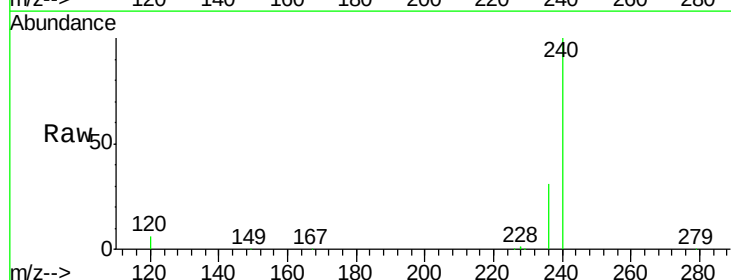
Instrument :
BNA_E
ClientSampleId :
W-1

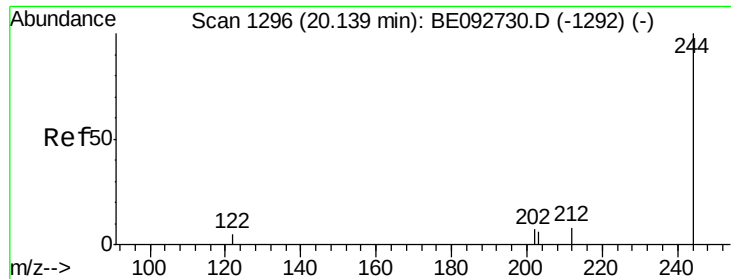
Tot Ion:178 Resp: 285
Ion Ratio Lower Upper
178 100
176 0.0 15.8 23.8#
179 0.0 16.0 24.0#



#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092773.D
Acq: 28 Feb 2017 21:27

Tgt Ion:240 Resp: 80242
Ion Ratio Lower Upper
240 100
120 5.9 2.6 4.0#
236 31.1 24.6 37.0

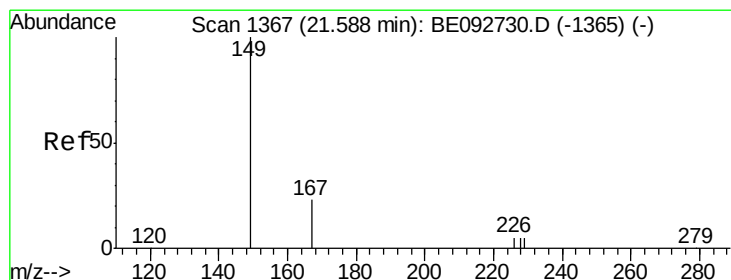
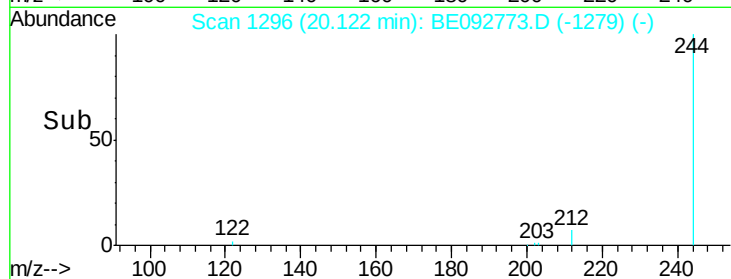
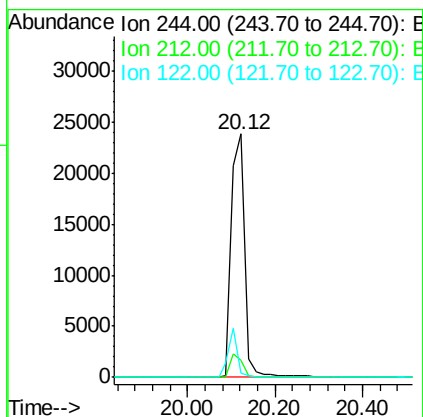
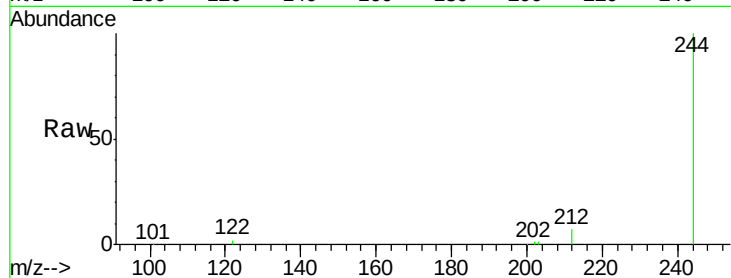




#26
 Terphenyl-d14
 Concen: 4.81 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092773.D
 Acq: 28 Feb 2017 21:27

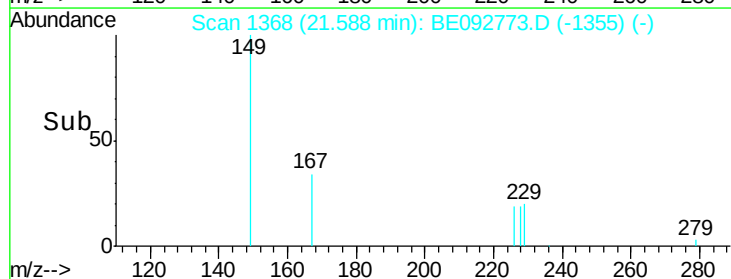
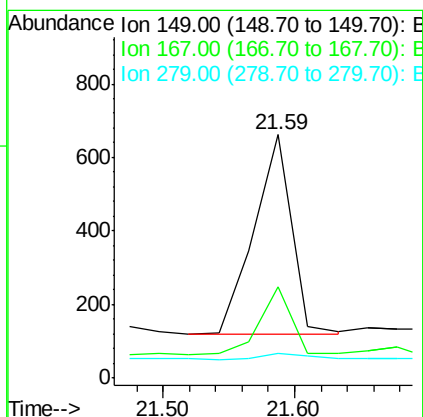
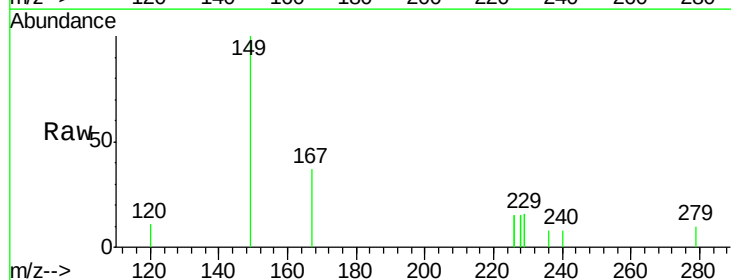
Instrument :
 BNA_E
 ClientSampleId :
 W-1

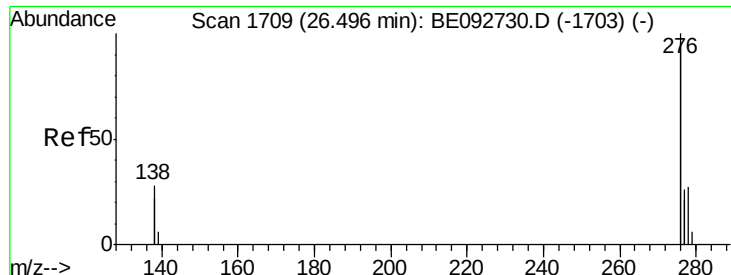
Tot Ion:244 Resp: 49293
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.7 10.1
 122 2.0 3.6 5.4#



#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.16 ng
 RT: 21.59 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE092773.D
 Acq: 28 Feb 2017 21:27

Tgt Ion:149 Resp: 1088
 Ion Ratio Lower Upper
 149 100
 167 29.2 16.0 24.0#
 279 3.5 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 26.51 min Scan# 1711

Delta R.T. 0.02 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampleId :

W-1

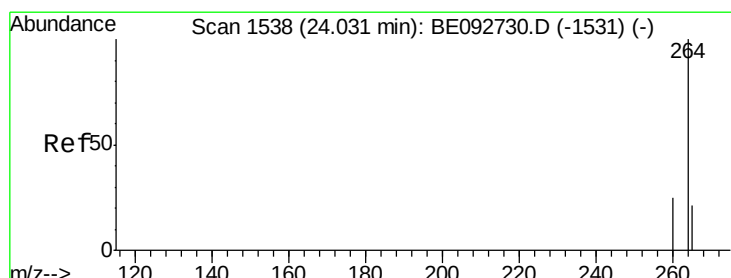
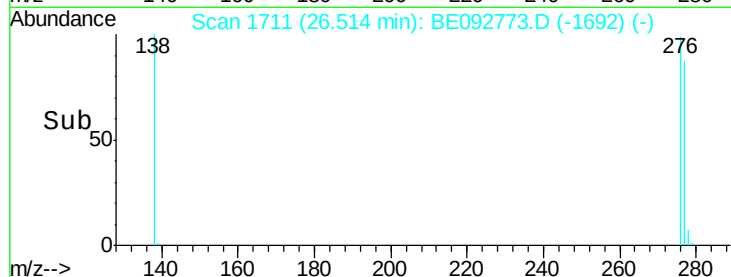
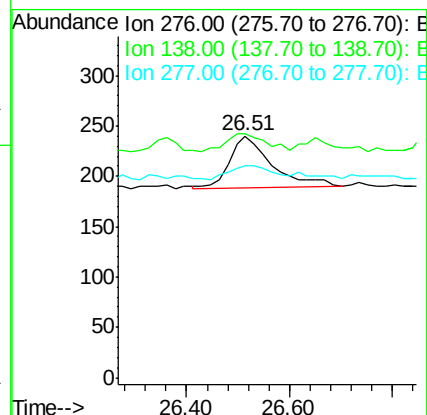
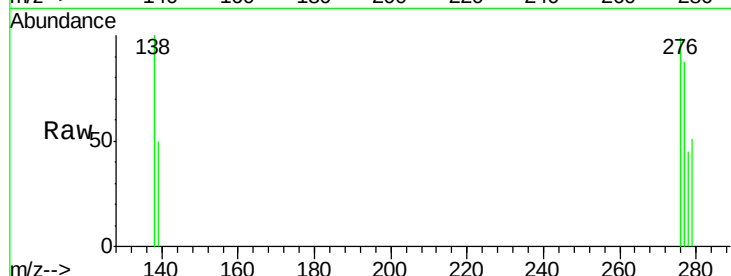
Tot Ion:276 Resp: 289

Ion Ratio Lower Upper

276 100

138 34.6 20.3 30.5#

277 29.8 19.7 29.5#



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BE092773.D

Acq: 28 Feb 2017 21:27

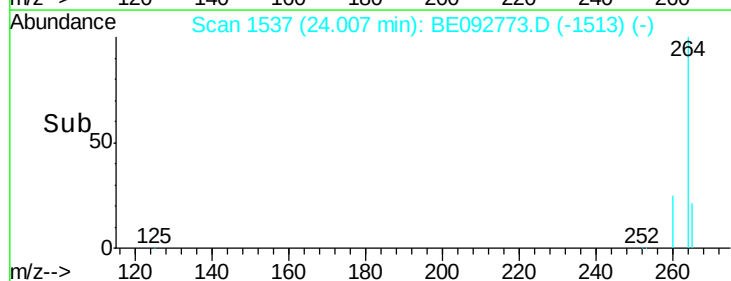
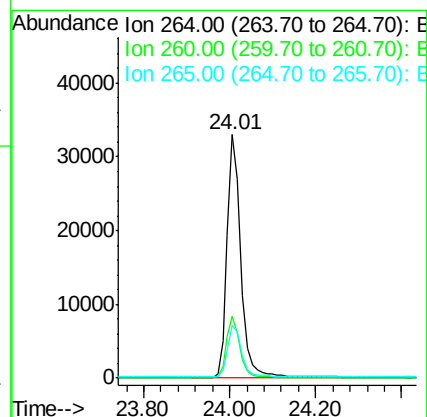
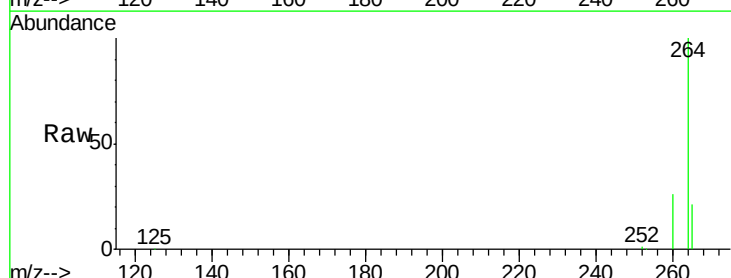
Tgt Ion:264 Resp: 74274

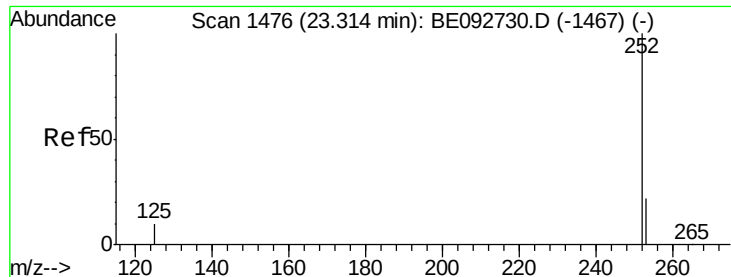
Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 21.5 17.9 26.9





#32

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092773.D

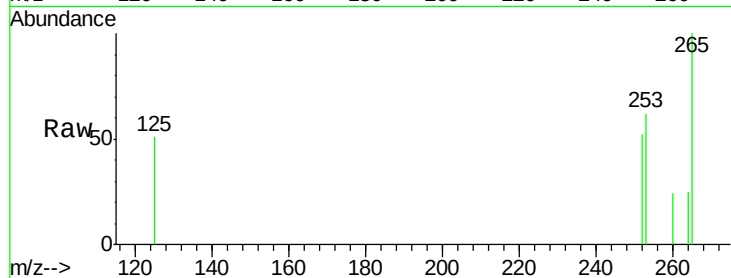
Acq: 28 Feb 2017 21:27

Instrument :

BNA_E

ClientSampleId :

W-1



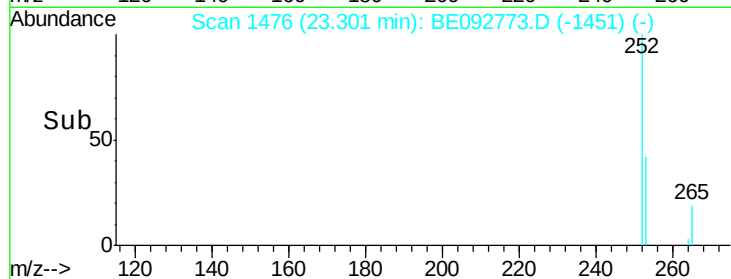
Tot Ion: 252 Resp: 158

Ion Ratio Lower Upper

252 100

253 118.3 18.7 28.1#

125 97.1 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

