

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090869.D
 Acq On : 17 Sep 2015 17:54
 Operator : UM/IZ
 Sample : G3699-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-D549-F-D-B

Quant Time: Sep 17 18:37:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	30583	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	140785	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	76661	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	187911	5.00	ng	0.00
25) Chrysene-d12	21.07	240	219037	5.00	ng	0.00
32) Perylene-d12	23.35	264	200449	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	22612	3.80	ng	0.00
5) Phenol-d6	6.75	99	18670	2.19	ng	0.00
7) Nitrobenzene-d5	8.71	82	34222	3.68	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	18195	8.08	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	80360	3.79	ng	0.00
27) Terphenyl-d14	19.53	244	139336	5.75	ng	-0.01

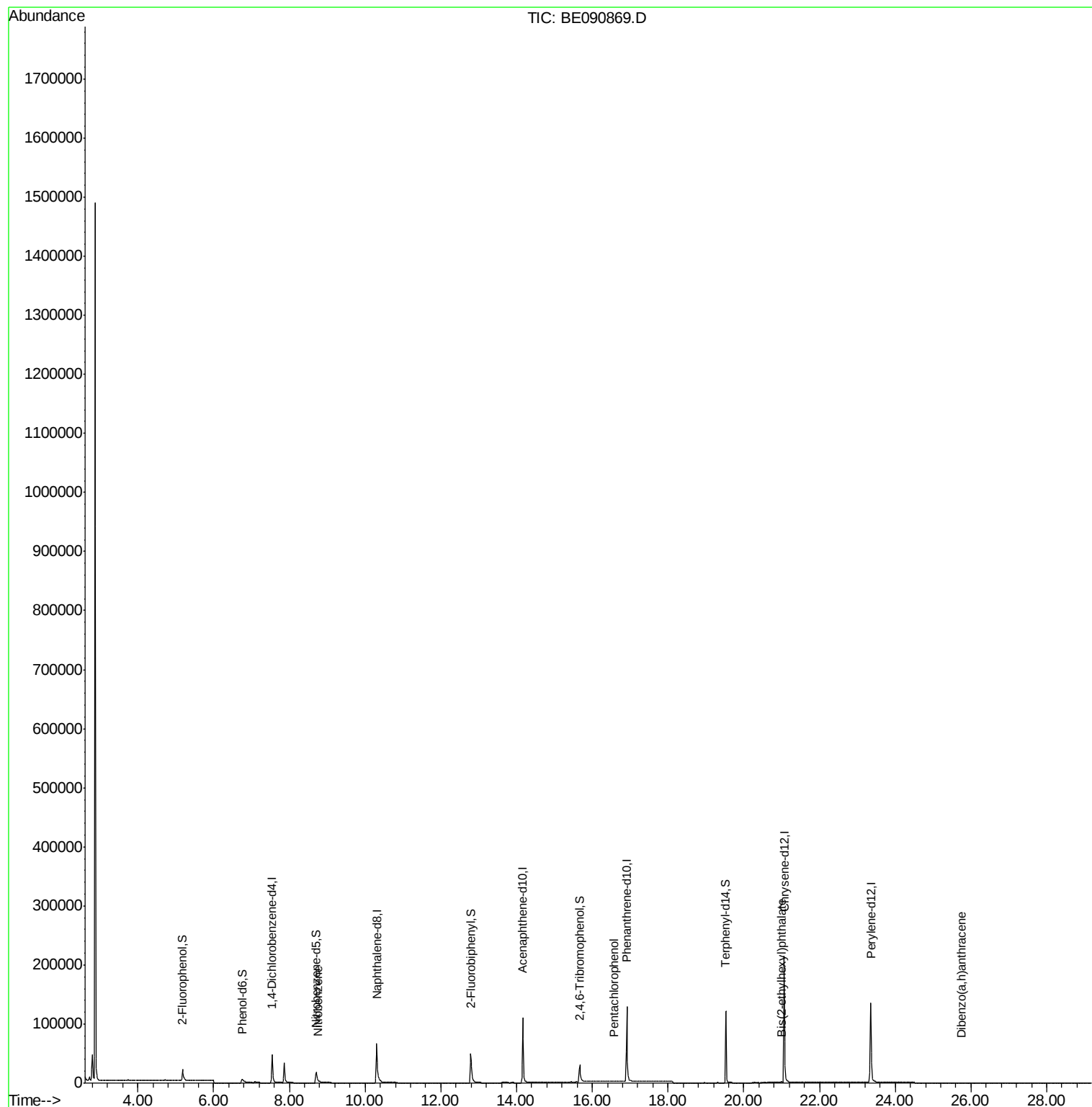
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	88	Below Cal	#	16
3) n-Nitrosodimethylamine	3.46	42	52	Below Cal	#	6
8) Nitrobenzene	8.78	77	14	0.11 ng	#	52
20) Hexachlorobenzene	16.23	284	65	Below Cal	#	1
21) Pentachlorophenol	16.58	266	20	0.47 ng	#	67
29) Chrysene	21.10	228	568	Below Cal	#	81
30) Bis(2-ethylhexyl)phthalate	20.99	149	1620	0.19 ng	#	98
36) Dibenzo(a,h)anthracene	25.75	278	193	0.14 ng	#	1

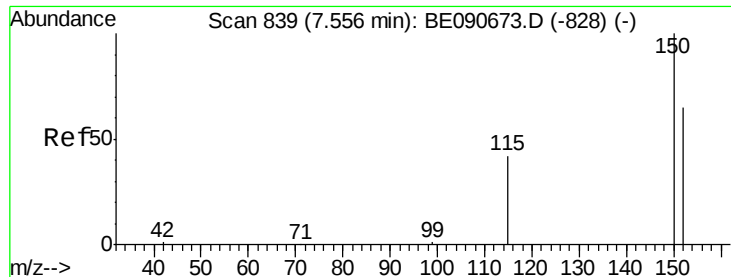
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Instrument :

BNA_E

ClientSampleId :

091515-D549-F-D-B

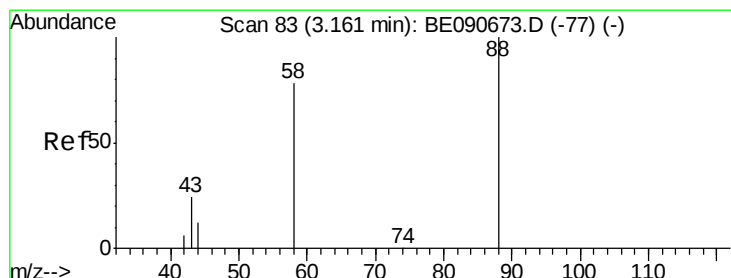
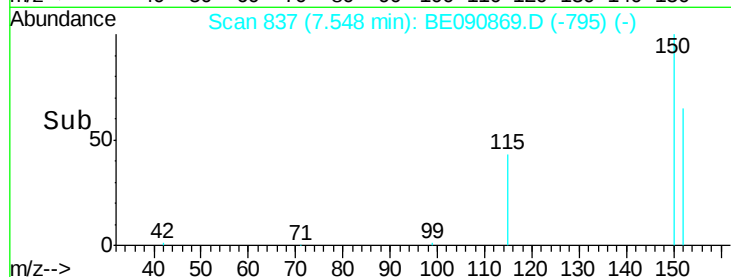
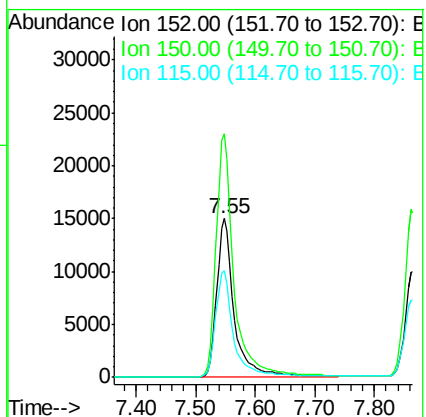
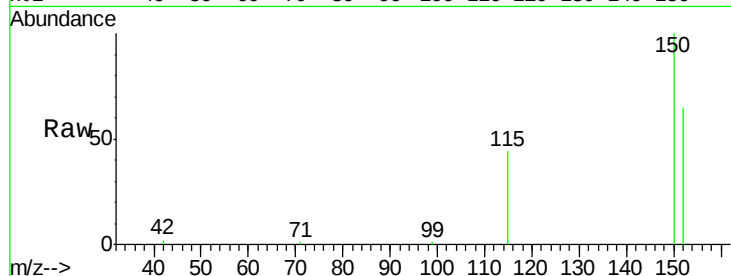
Tgt Ion: 152 Resp: 30583

Ion Ratio Lower Upper

152 100

150 153.1 122.2 183.4

115 66.7 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.13 min Scan# 78

Delta R.T. -0.03 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

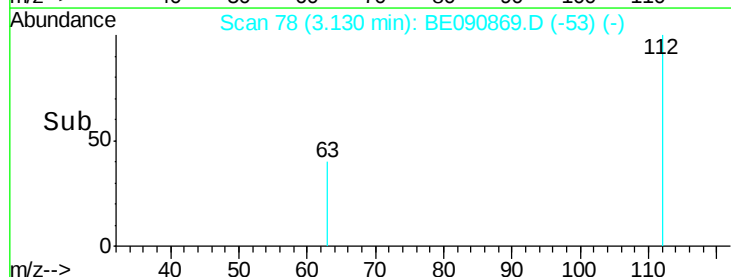
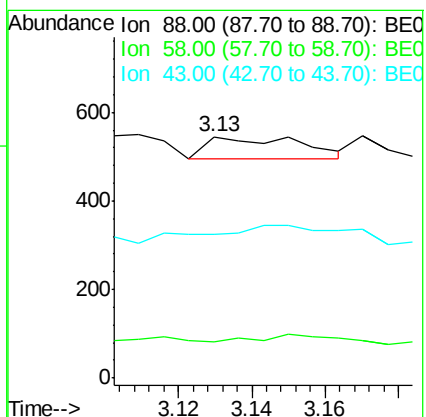
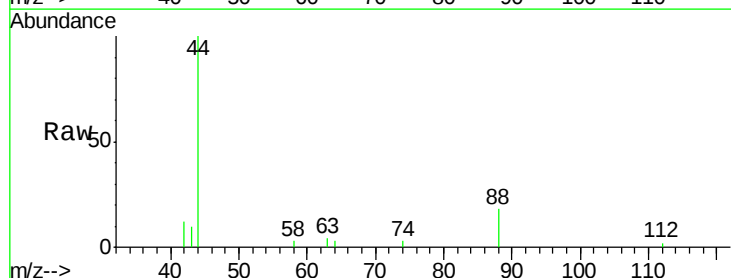
Tgt Ion: 88 Resp: 88

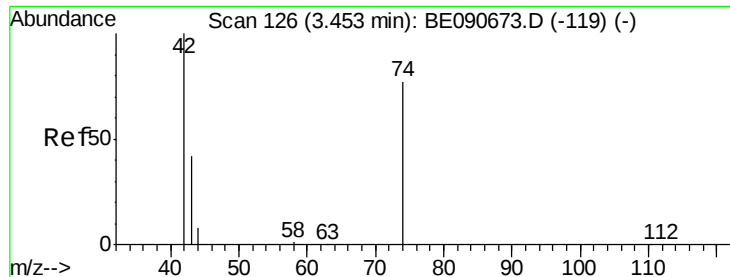
Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



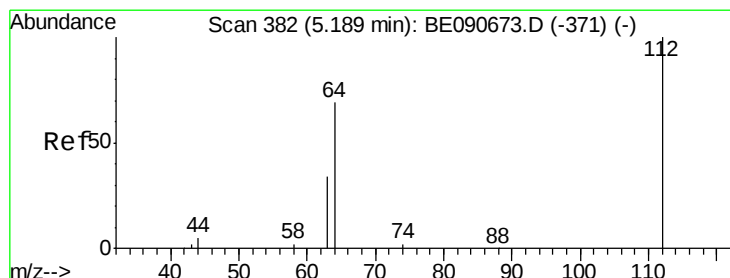
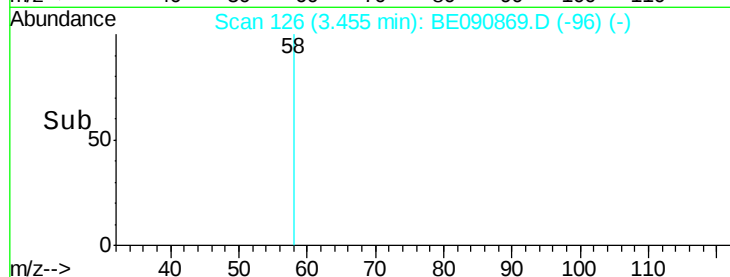
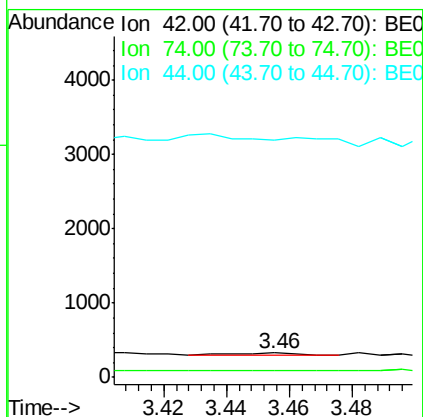
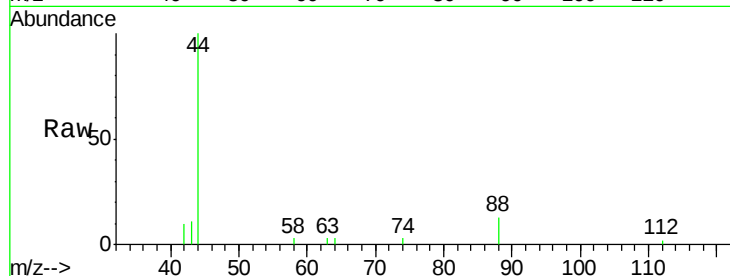


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.46 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090869.D
 Acq: 17 Sep 2015 17:54

Instrument :
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 ClientSampleId :
 091515-D549-F-D-B

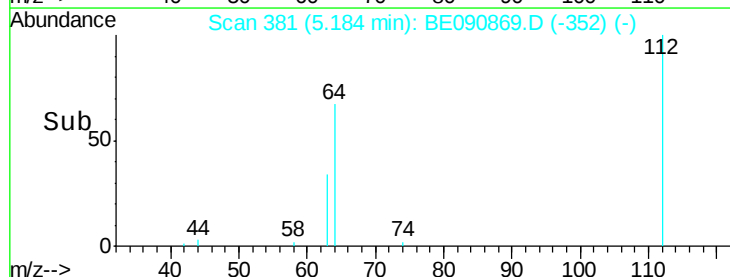
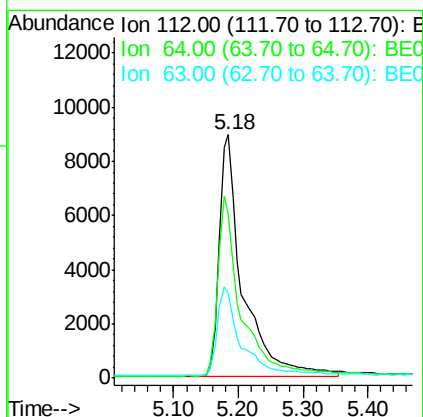
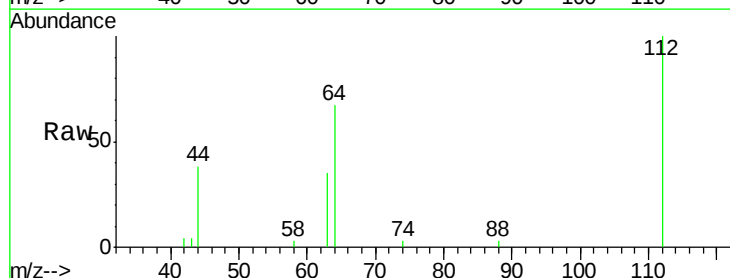
Tgt Ion: 42 Resp: 52
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 0.0 10.0 15.0#

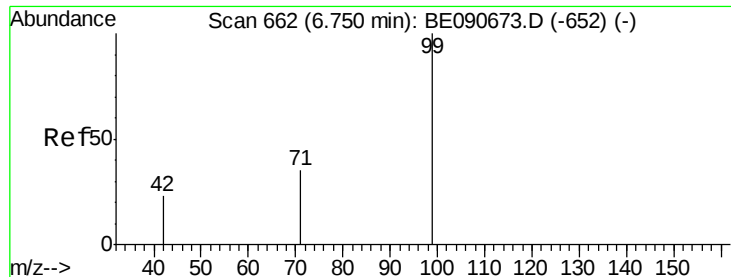


#4

2-Fluorophenol
 Concen: 3.80 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090869.D
 Acq: 17 Sep 2015 17:54

Tgt Ion: 112 Resp: 22612
 Ion Ratio Lower Upper
 112 100
 64 72.1 57.3 85.9
 63 37.2 29.2 43.8





#5

Phenol-d6

Concen: 2.19 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Instrument :

BNA_E

ClientSampleId :

091515-D549-F-D-B

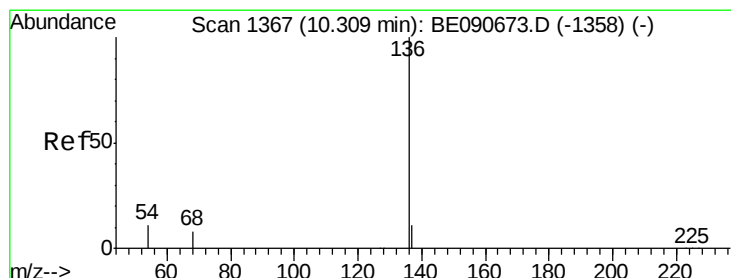
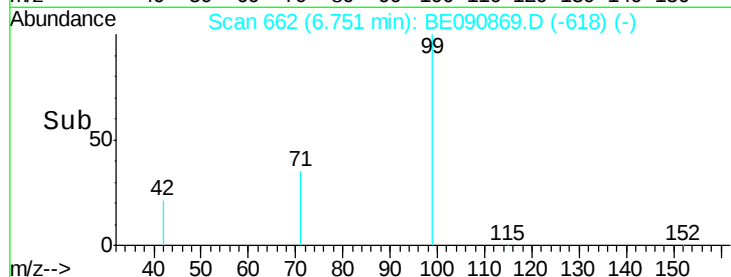
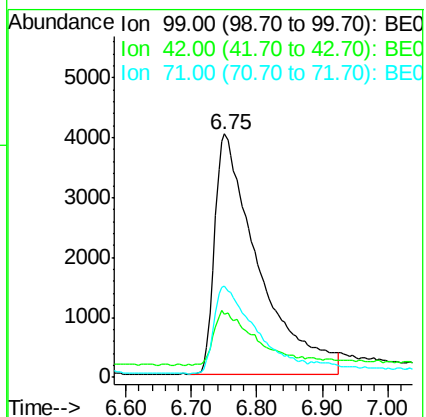
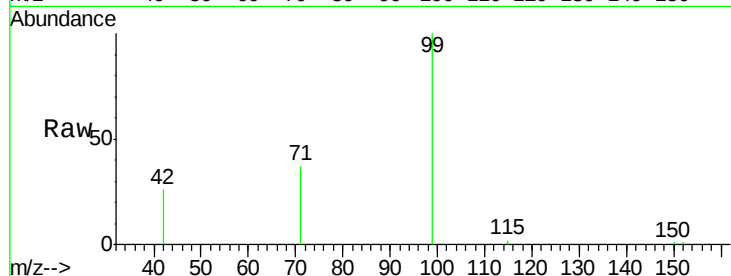
Tgt Ion: 99 Resp: 18670

Ion Ratio Lower Upper

99 100

42 21.8 16.8 25.2

71 35.3 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Tgt Ion: 136 Resp: 140785

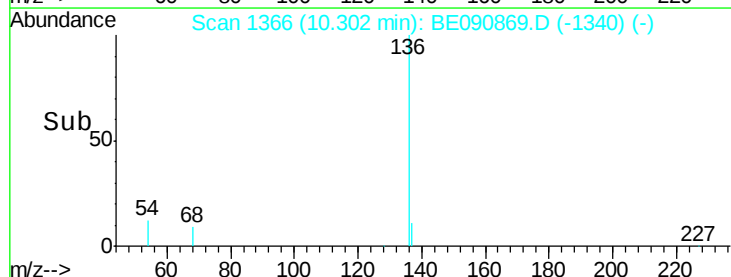
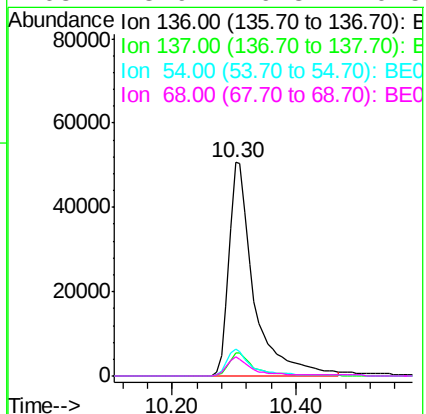
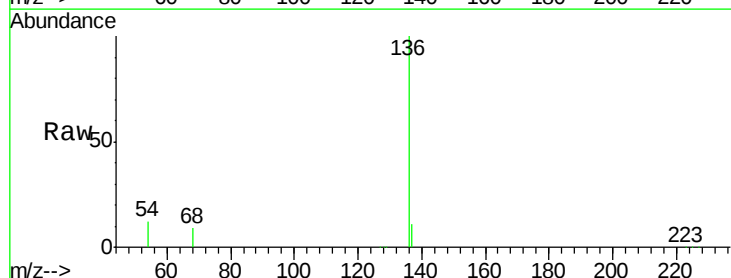
Ion Ratio Lower Upper

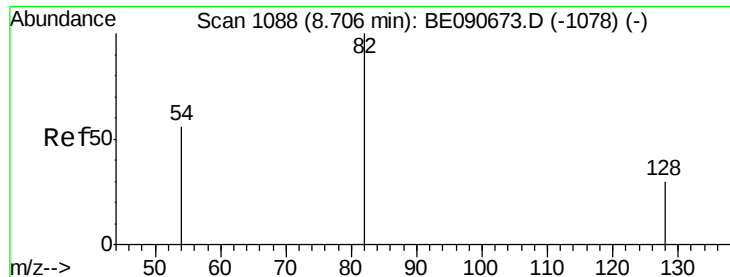
136 100

137 10.8 8.7 13.1

54 12.4 9.0 13.6

68 8.9 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.68 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Instrument :

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ClientSampleId :

091515-D549-F-D-B

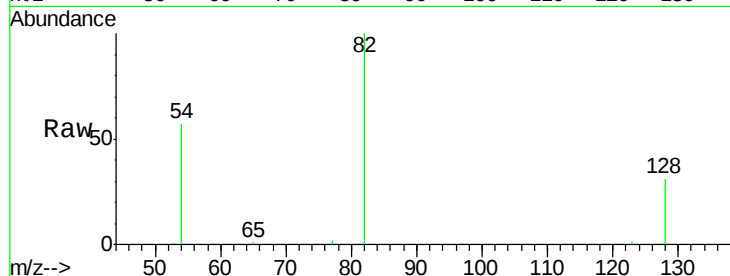
Tgt Ion: 82 Resp: 34222

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.4

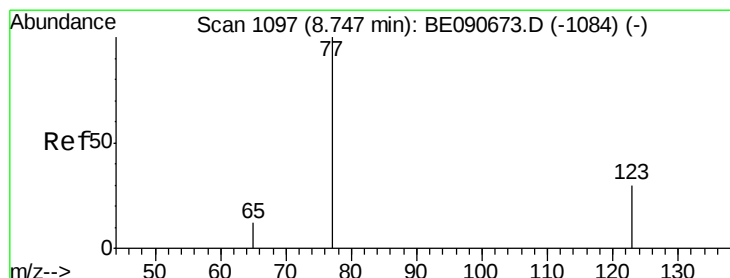
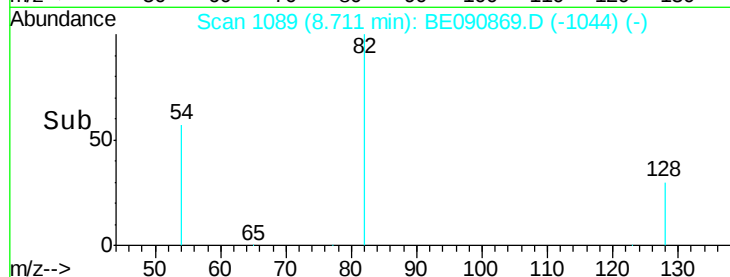
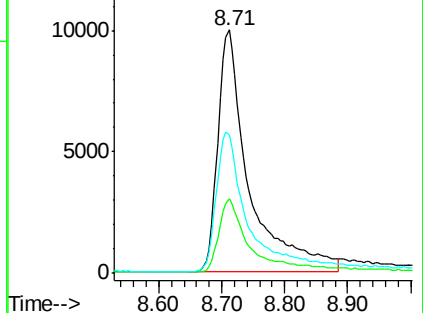
54 57.0 46.3 69.5



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



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.78 min Scan# 1103

Delta R.T. 0.03 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

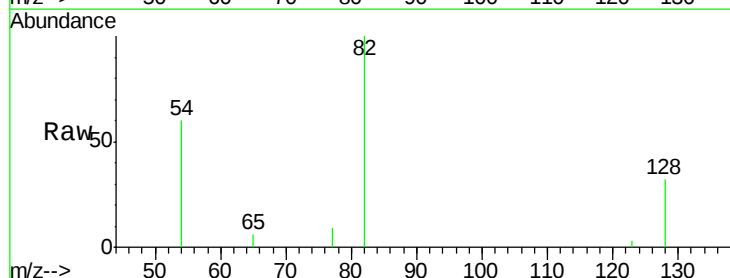
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 35.7 25.1 37.7

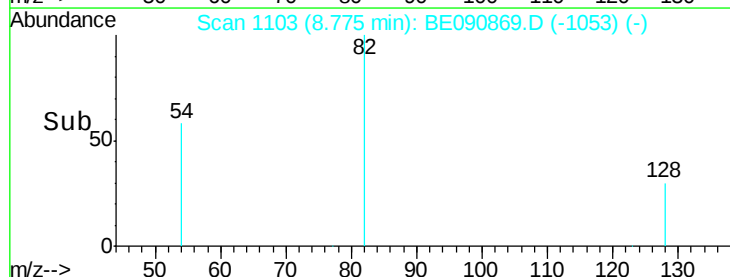
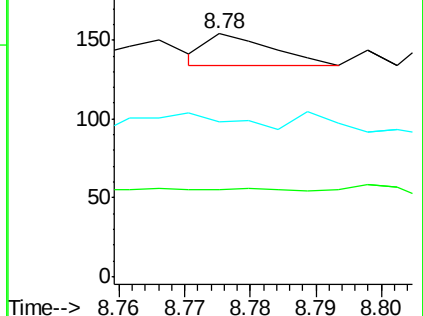
65 71.4 9.9 14.9#

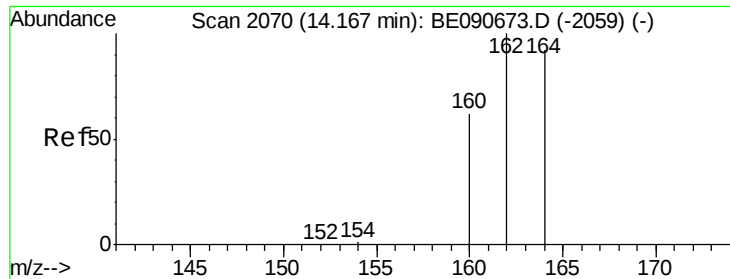


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

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ClientSampleId :

091515-D549-F-D-B

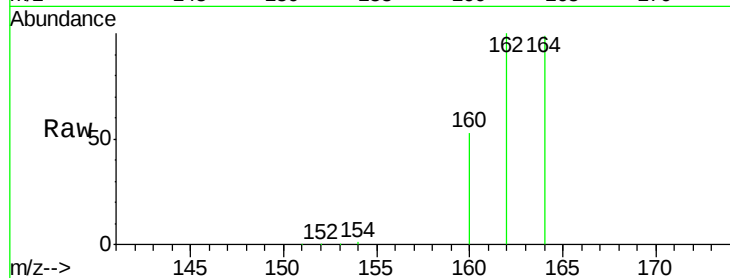
Tgt Ion:164 Resp: 76661

Ion Ratio Lower Upper

164 100

162 101.2 86.8 130.2

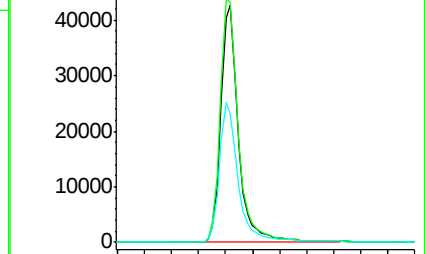
160 54.0 53.9 80.9



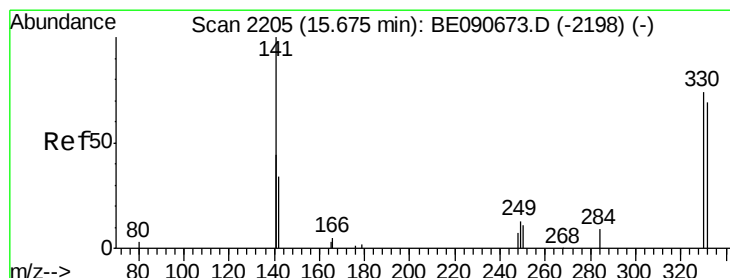
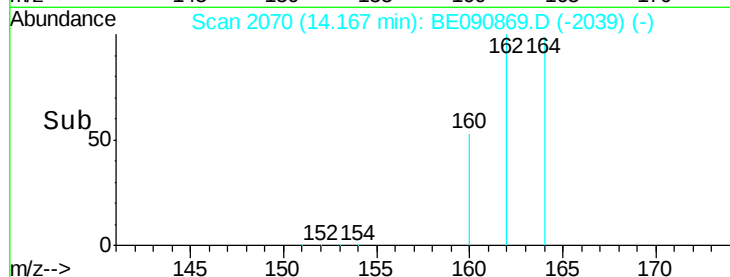
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.00 14.20 14.40



#13

2,4,6-Tribromophenol

Concen: 8.08 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

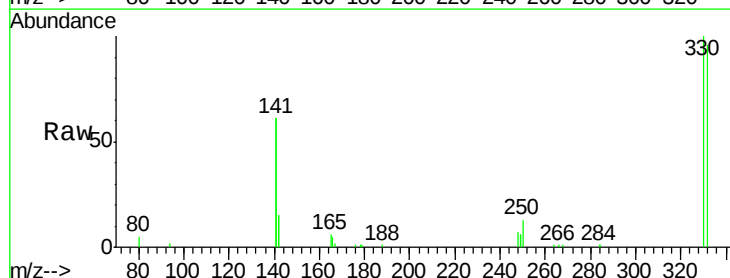
Tgt Ion:330 Resp: 18195

Ion Ratio Lower Upper

330 100

332 96.3 74.9 112.3

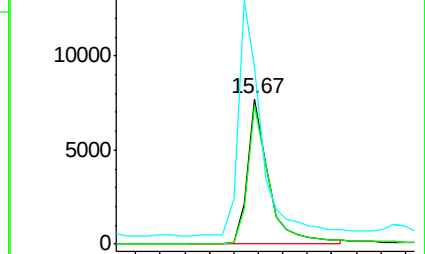
141 179.0 145.2 217.8



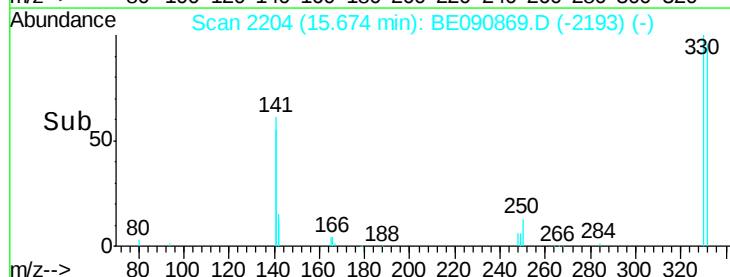
Abundance Ion 329.80 (329.50 to 330.50): E

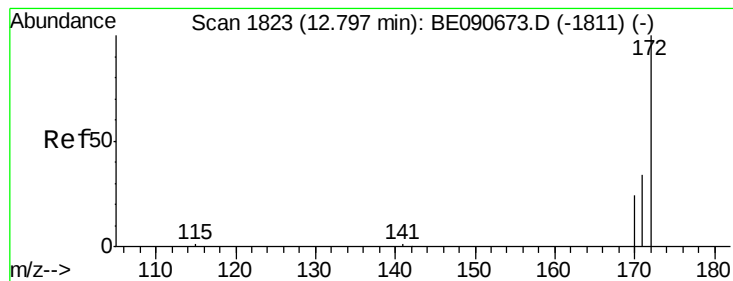
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 15.60 15.80





#14

2-Fluorobiphenyl

Concen: 3.79 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BE090869.D

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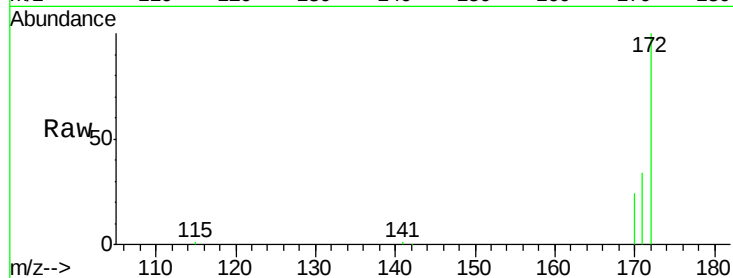
Tgt Ion:172 Resp: 80360

Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.8

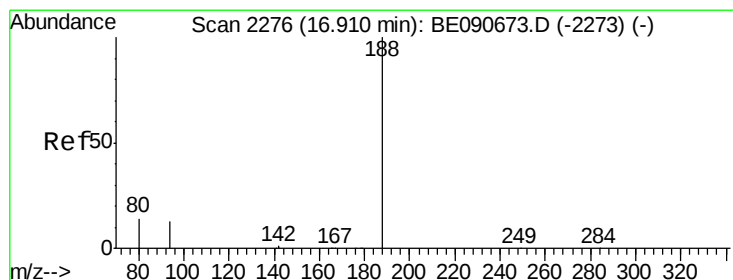
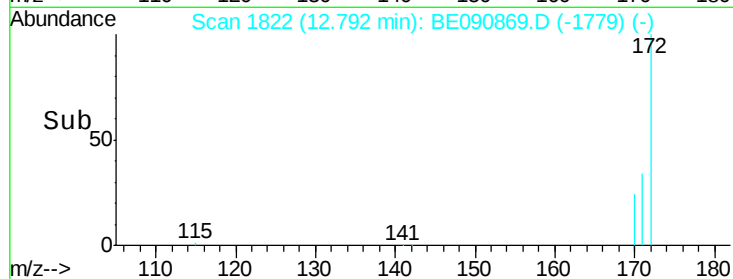
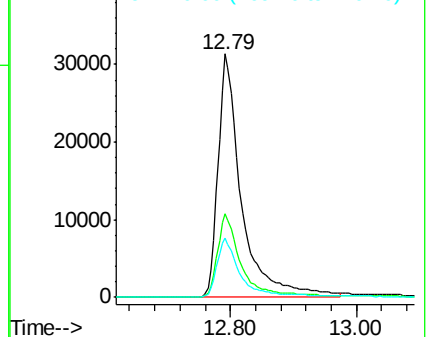
170 24.5 19.8 29.6



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: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

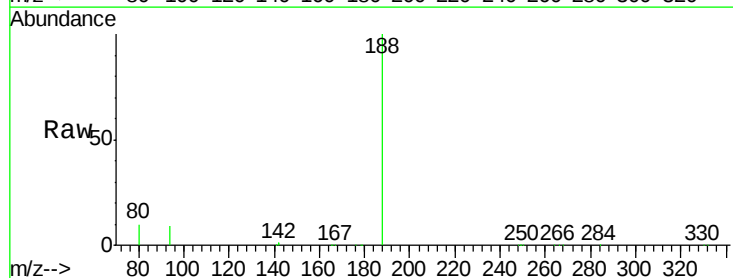
Tgt Ion:188 Resp: 187911

Ion Ratio Lower Upper

188 100

94 9.0 10.3 15.5#

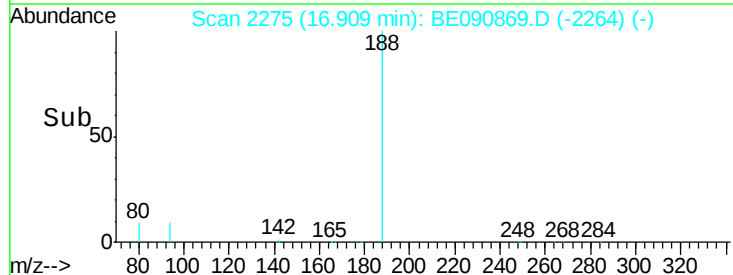
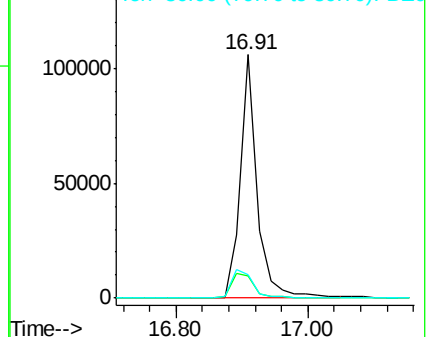
80 9.6 11.0 16.6#

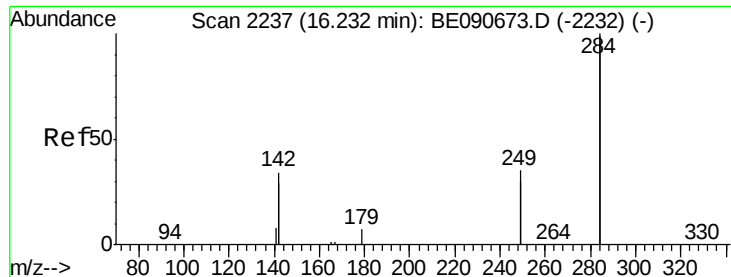


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090869.D

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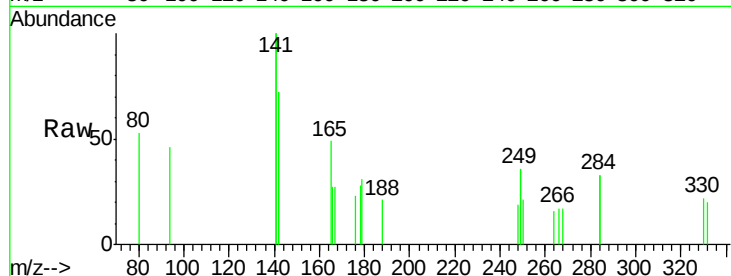
Tgt Ion:284 Resp: 65

Ion Ratio Lower Upper

284 100

142 160.0 35.0 52.4#

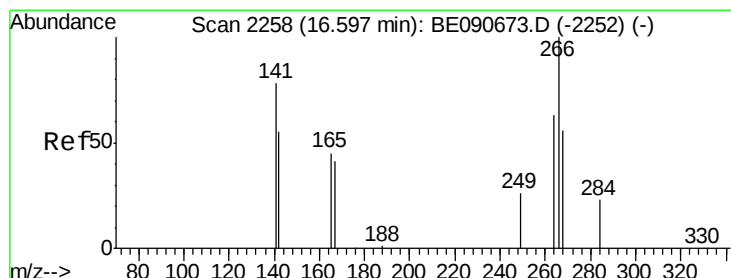
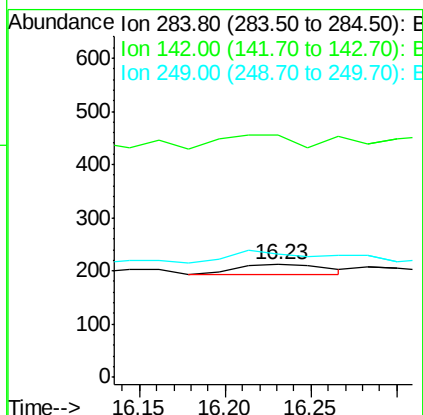
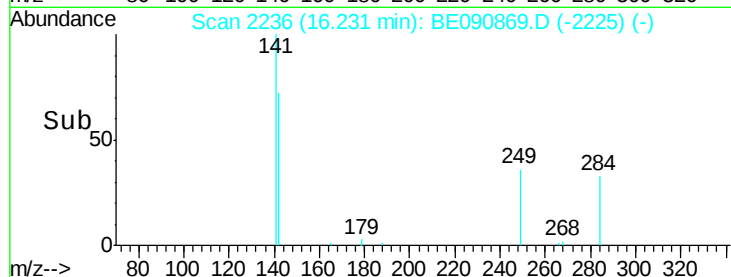
249 135.4 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

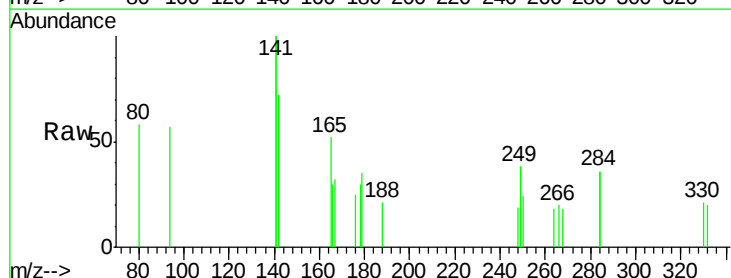
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 91.2 49.6 74.4#

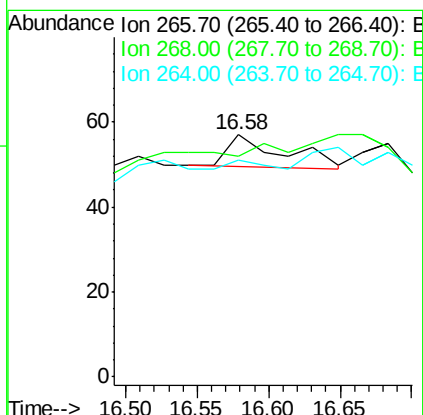
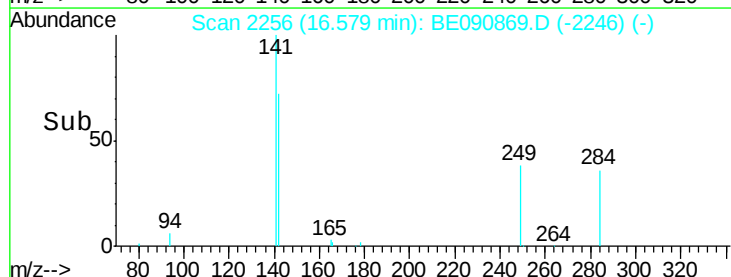
264 89.5 53.9 80.9#

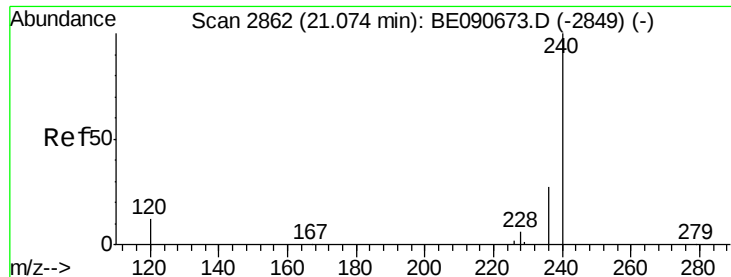


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Instrument :

BNA_E

ClientSampleId :

091515-D549-F-D-B

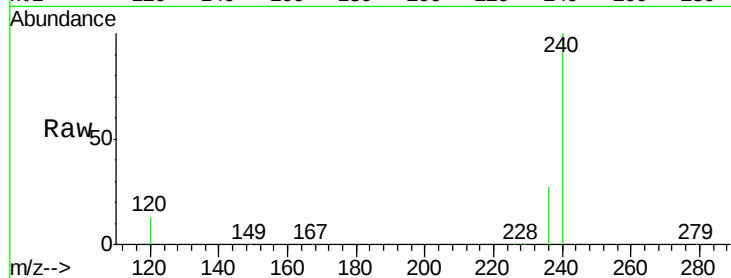
Tgt Ion:240 Resp: 219037

Ion Ratio Lower Upper

240 100

120 12.8 10.1 15.1

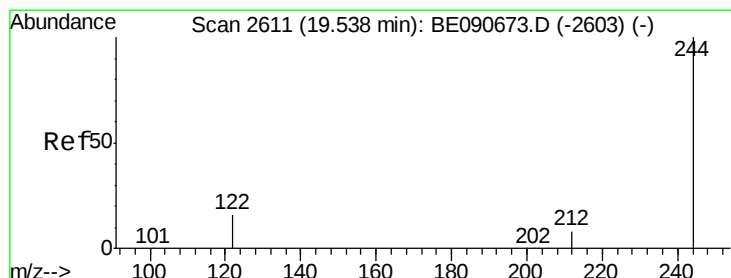
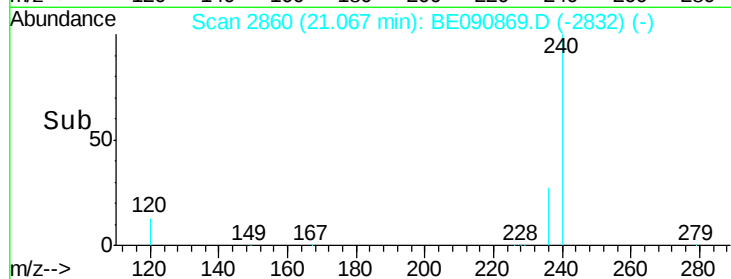
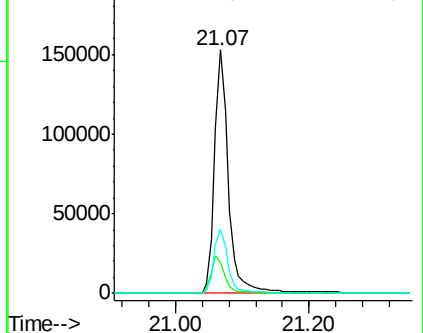
236 26.7 21.9 32.9



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



#27

Terphenyl-d14

Concen: 5.75 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

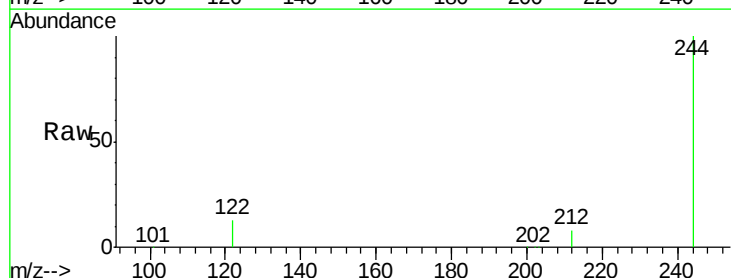
Tgt Ion:244 Resp: 139336

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

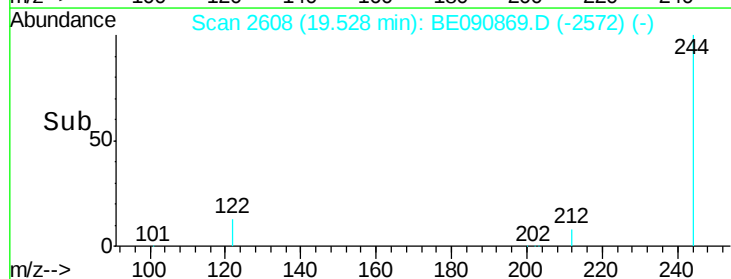
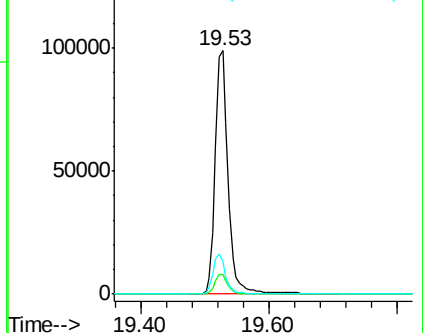
122 13.1 12.9 19.3

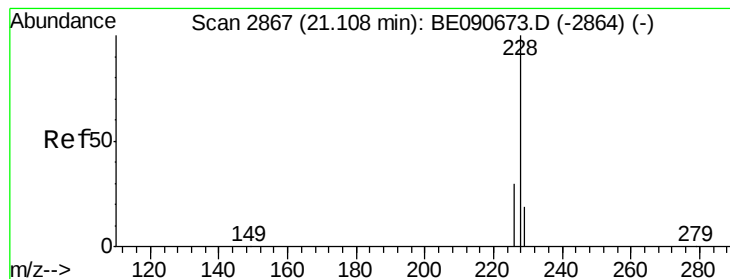


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

Instrument :

BNA_E

ClientSampleId :

091515-D549-F-D-B

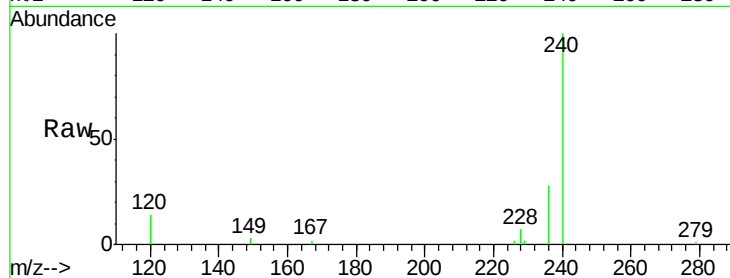
Tgt Ion:228 Resp: 568

Ion Ratio Lower Upper

228 100

226 37.2 24.2 36.4#

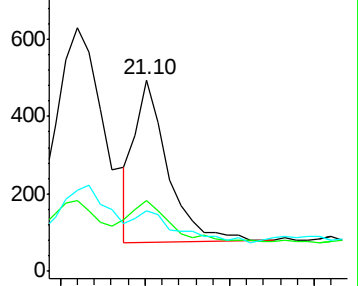
229 31.9 15.3 22.9#



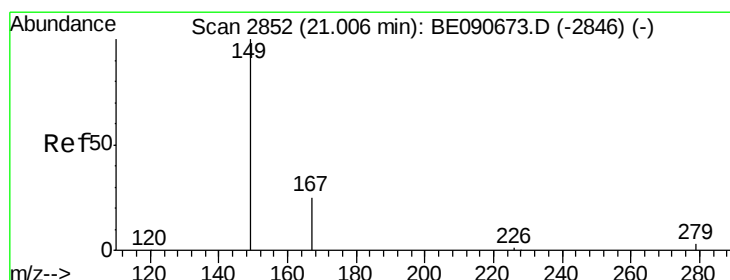
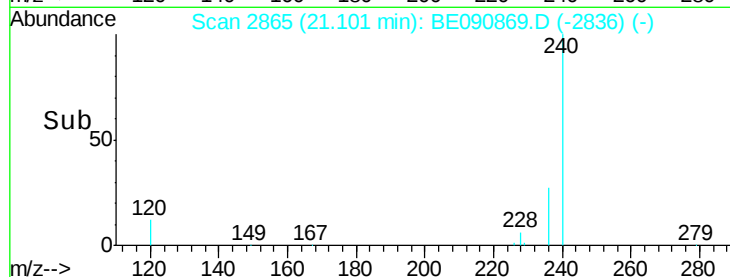
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 20.99 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090869.D

Acq: 17 Sep 2015 17:54

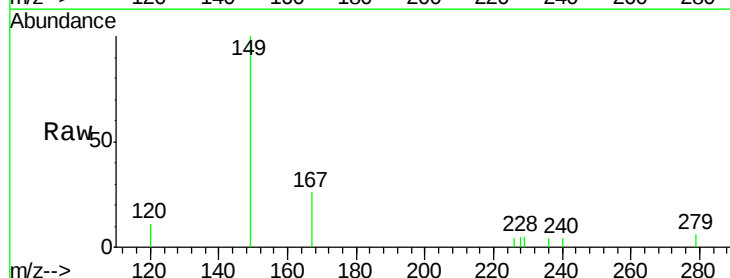
Tgt Ion:149 Resp: 1620

Ion Ratio Lower Upper

149 100

167 24.1 20.1 30.1

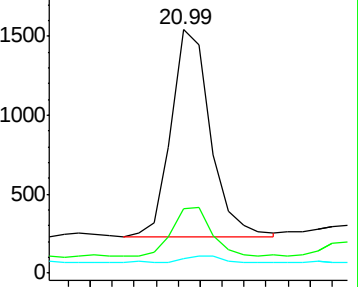
279 3.8 2.3 3.5#



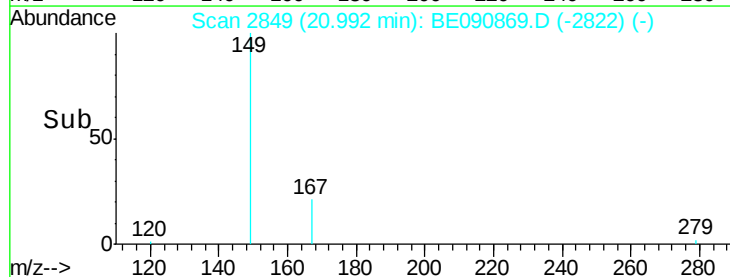
Abundance Ion 149.00 (148.70 to 149.70): E

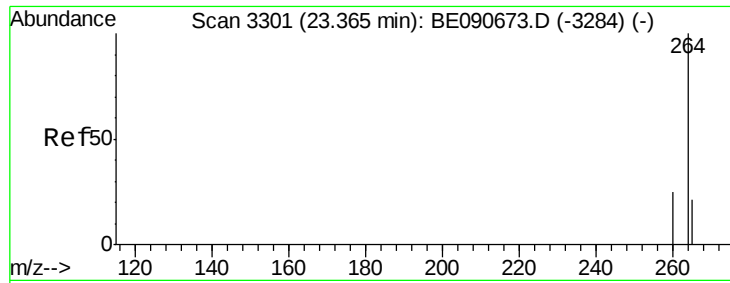
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

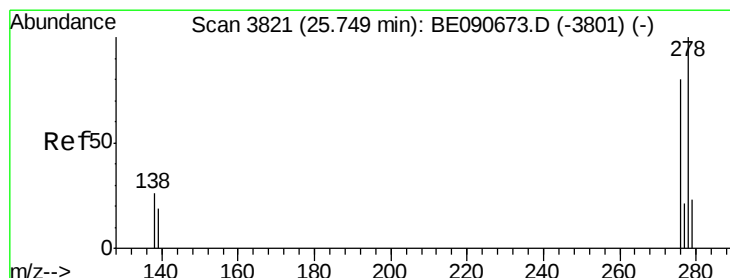
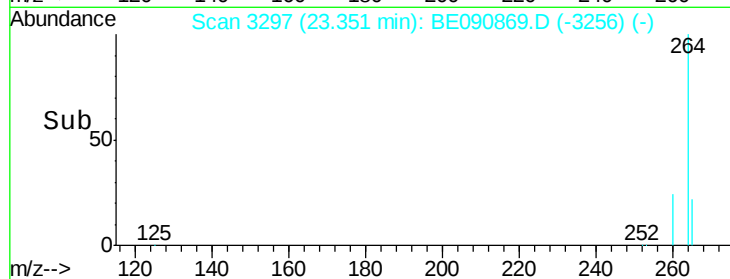
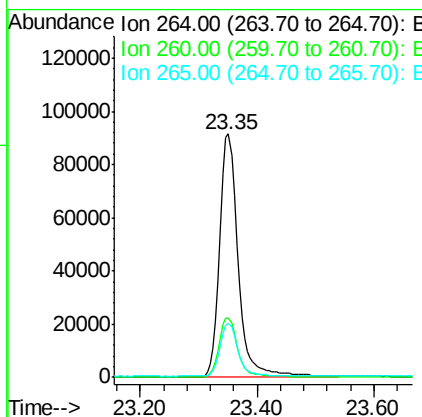
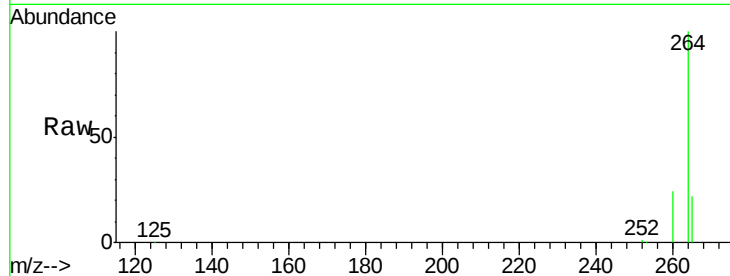




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090869.D
 Acq: 17 Sep 2015 17:54

Instrument :
 BNA_E
 ClientSampleId :
 091515-D549-F-D-B

Tgt Ion: 264 Resp: 200449
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.7 29.5
 265 22.3 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3819
 Delta R.T. -0.00 min
 Lab File: BE090869.D
 Acq: 17 Sep 2015 17:54

Tgt Ion: 278 Resp: 193
 Ion Ratio Lower Upper
 278 100
 139 100.9 15.4 23.0#
 279 86.0 18.8 28.2#

