

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090867.D
 Acq On : 17 Sep 2015 16:39
 Operator : UM/IZ
 Sample : G3698-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-D534-E-U-B

Quant Time: Sep 17 18:30:40 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	32875	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	151081	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	82622	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	195441	5.00	ng	0.00
25) Chrysene-d12	21.07	240	228421	5.00	ng	0.00
32) Perylene-d12	23.35	264	207102	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	25221	3.94	ng	0.00
5) Phenol-d6	6.75	99	20831	2.28	ng	0.00
7) Nitrobenzene-d5	8.71	82	37926	3.80	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	19713	8.13	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	89835	3.93	ng	0.00
27) Terphenyl-d14	19.53	244	152110	6.02	ng	-0.01

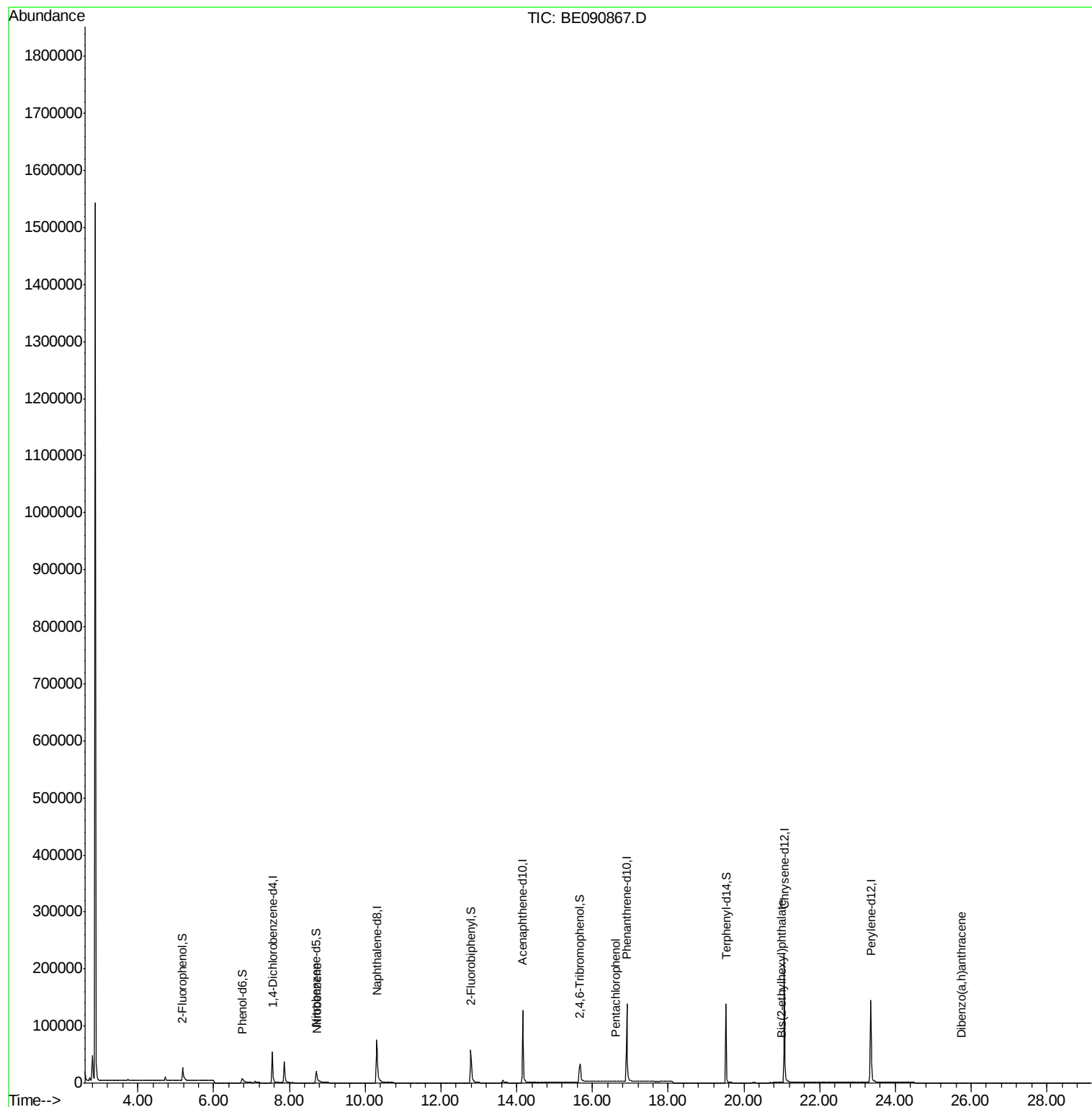
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	70	Below Cal	#	29
3) n-Nitrosodimethylamine	3.45	42	18	Below Cal	#	1
8) Nitrobenzene	8.74	77	28	0.11 ng	#	59
20) Hexachlorobenzene	16.23	284	81	Below Cal	#	37
21) Pentachlorophenol	16.61	266	6	0.46 ng	#	58
29) Chrysene	21.10	228	495	Below Cal	#	66
30) Bis(2-ethylhexyl)phthalate	21.00	149	735	0.12 ng	#	93
36) Dibenzo(a,h)anthracene	25.74	278	51	0.14 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: 7.55 min Scan# 837

Delta R.T. -0.01 min

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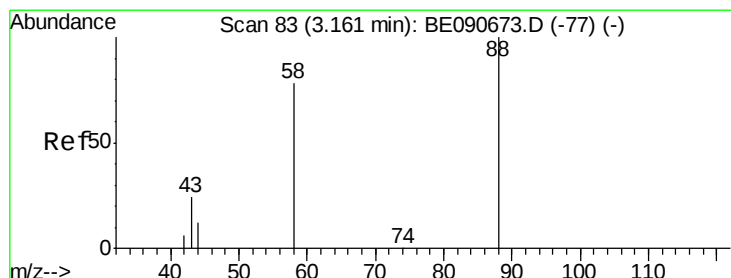
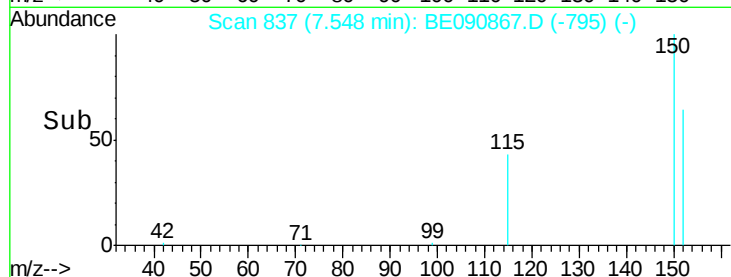
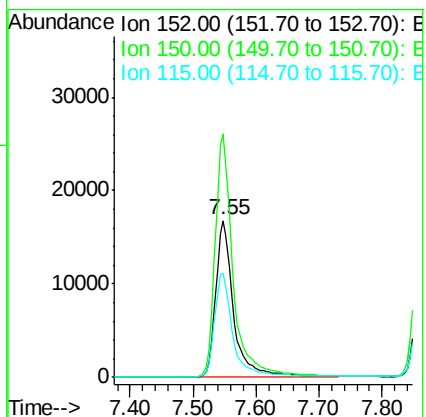
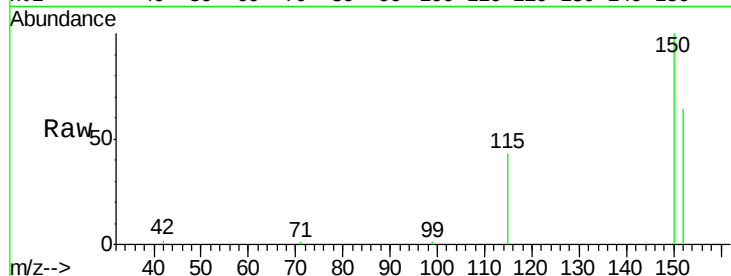
Tgt Ion:152 Resp: 32875

Ion Ratio Lower Upper

152 100

150 155.5 122.2 183.4

115 66.8 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.12 min Scan# 77

Delta R.T. -0.04 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

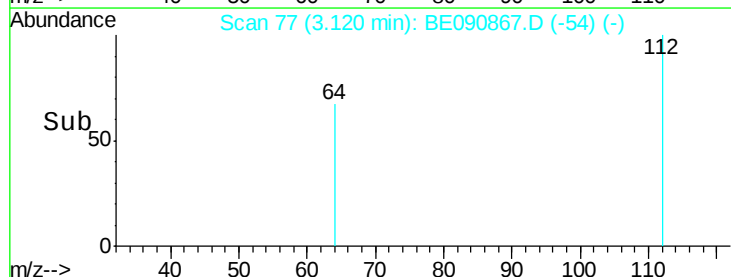
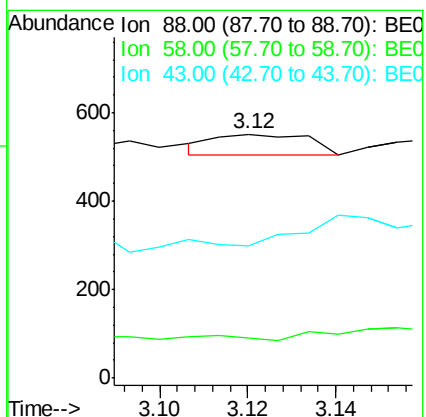
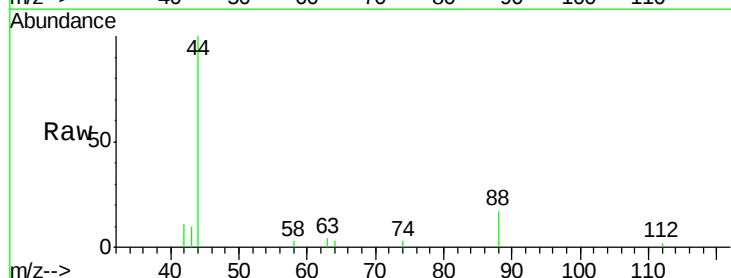
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

58 15.7 68.4 102.6#

43 0.0 26.9 40.3#



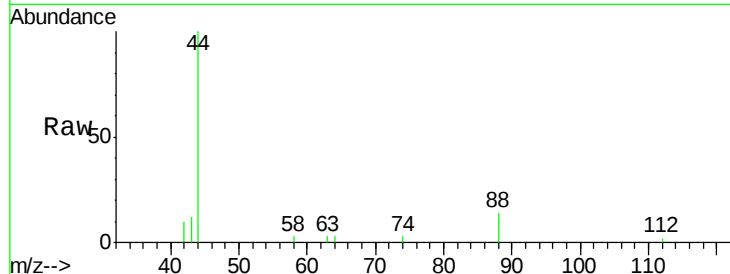


#3

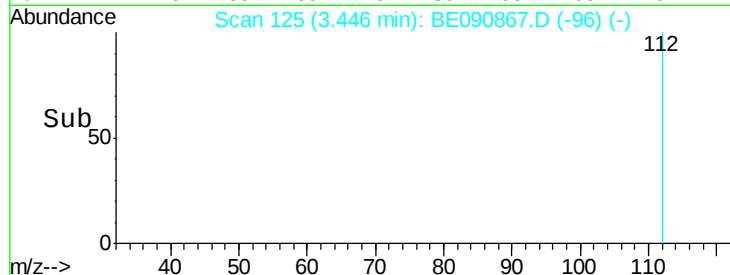
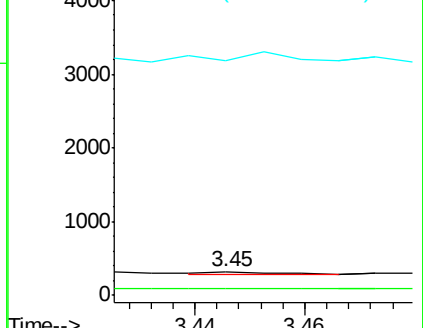
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: BE090867.D
 Acq: 17 Sep 2015 16:39

Instrument :
 BNA_E
 ClientSampleId :
 091515-D534-E-U-B

Tgt Ion: 42 Resp: 18
 Ion Ratio Lower Upper
 42 100
 74 100.0 83.7 125.5
 44 916.7 10.0 15.0#



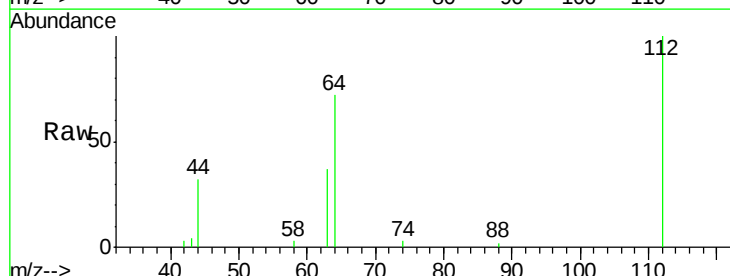
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



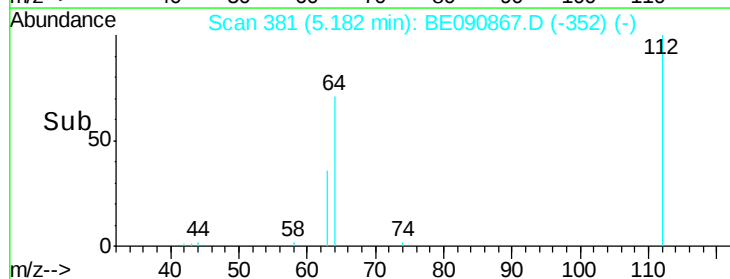
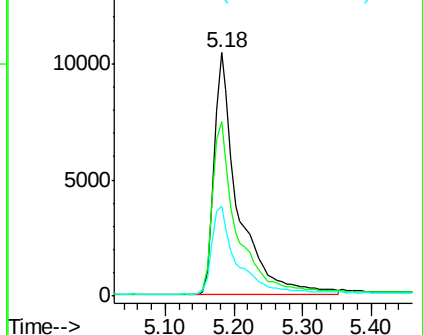
#4

2-Fluorophenol
 Concen: 3.94 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090867.D
 Acq: 17 Sep 2015 16:39

Tgt Ion: 112 Resp: 25221
 Ion Ratio Lower Upper
 112 100
 64 73.4 57.3 85.9
 63 38.2 29.2 43.8



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





#5

Phenol-d6

Concen: 2.28 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-B

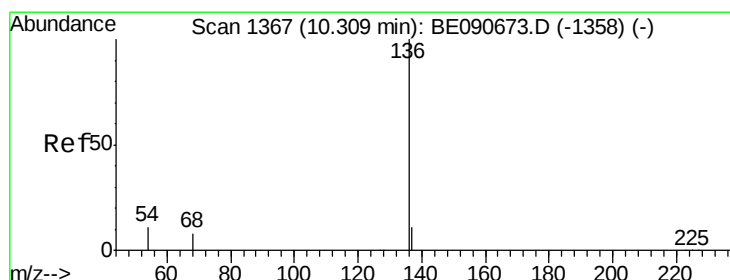
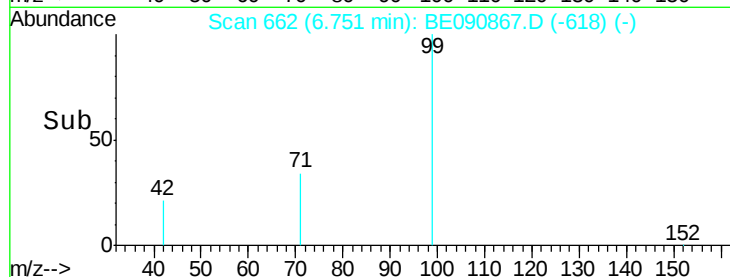
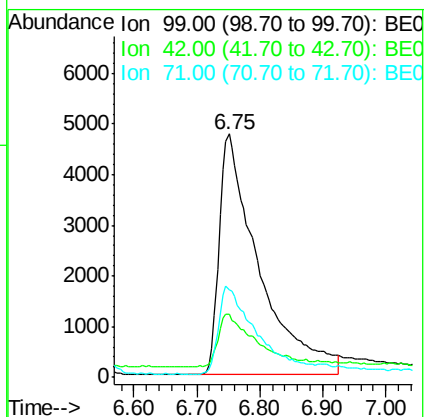
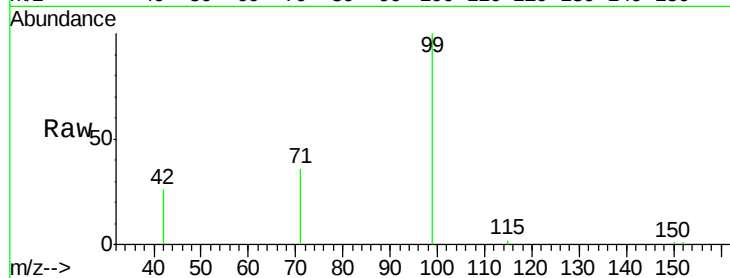
Tgt Ion: 99 Resp: 20831

Ion Ratio Lower Upper

99 100

42 22.0 16.8 25.2

71 35.3 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

Tgt Ion: 136 Resp: 151081

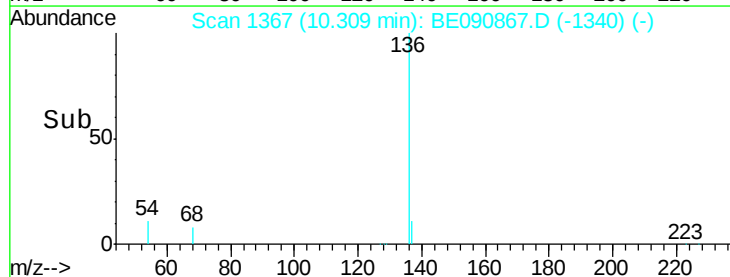
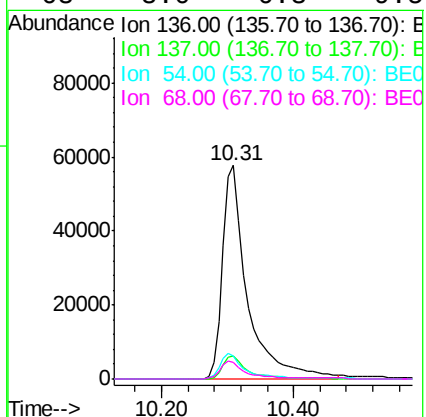
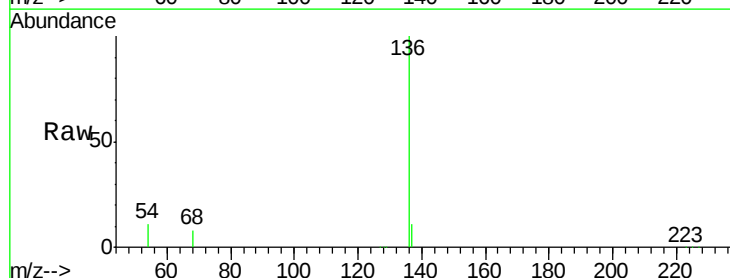
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.8 9.0 13.6

68 8.0 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.80 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-B

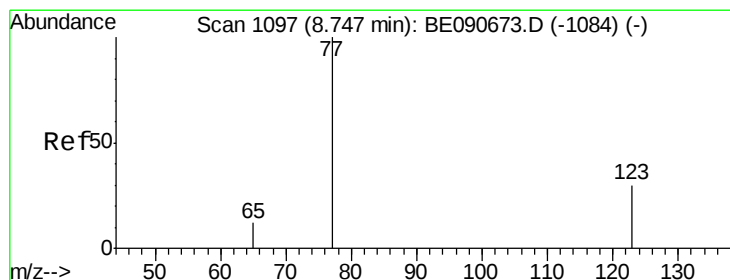
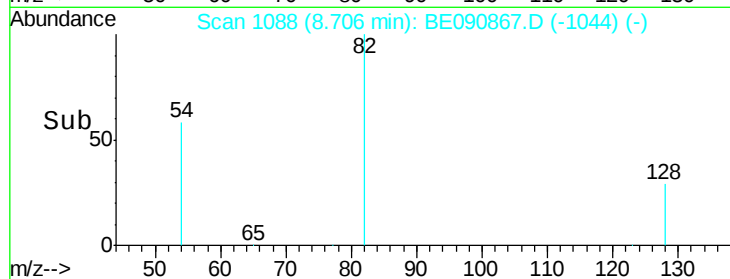
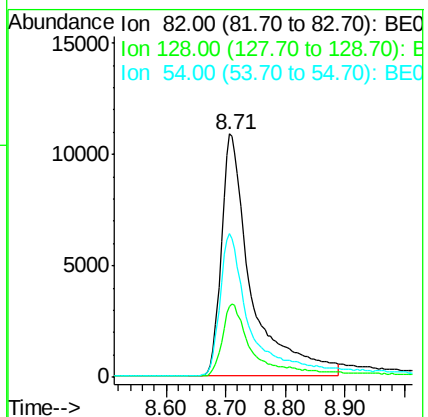
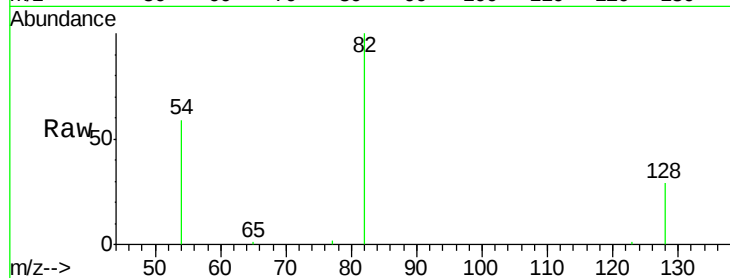
Tgt Ion: 82 Resp: 37926

Ion Ratio Lower Upper

82 100

128 29.3 25.0 37.4

54 58.9 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.74 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

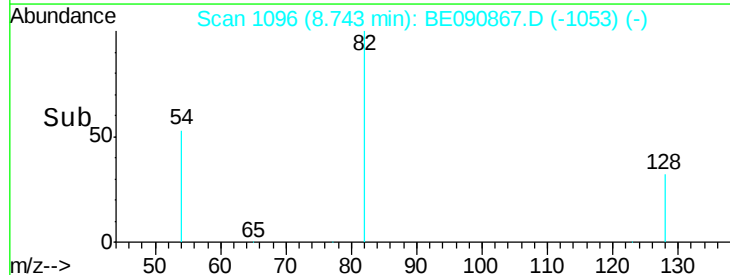
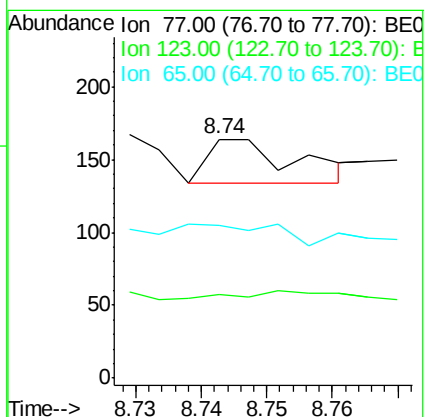
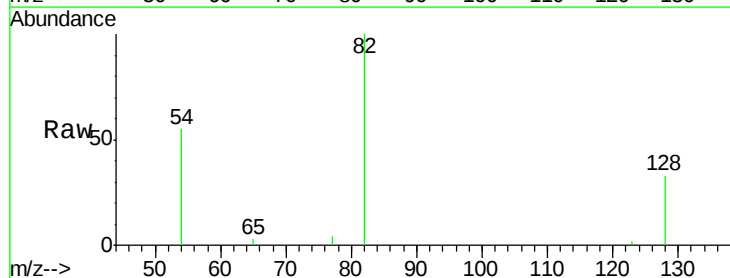
Tgt Ion: 77 Resp: 28

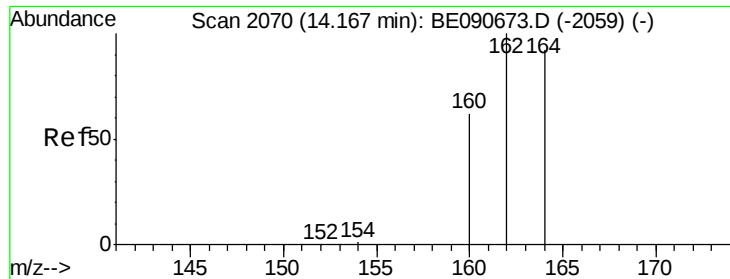
Ion Ratio Lower Upper

77 100

123 10.7 25.1 37.7#

65 32.1 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

Instrument :

BNA_E

ClientSampleId :

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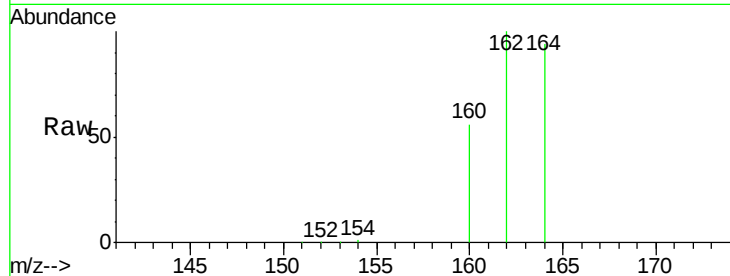
Tgt Ion:164 Resp: 82622

Ion Ratio Lower Upper

164 100

162 106.8 86.8 130.2

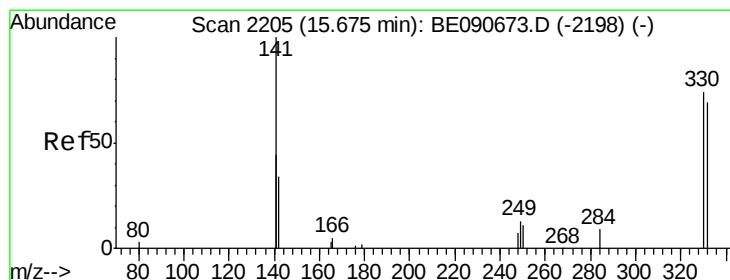
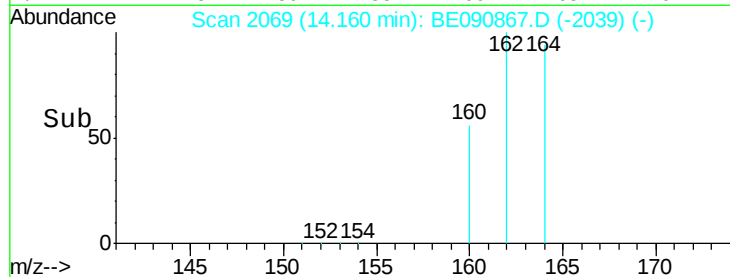
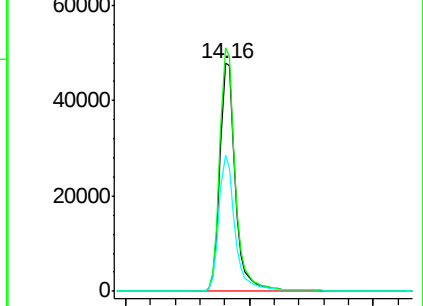
160 59.5 53.9 80.9



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



#13

2,4,6-Tribromophenol

Concen: 8.13 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

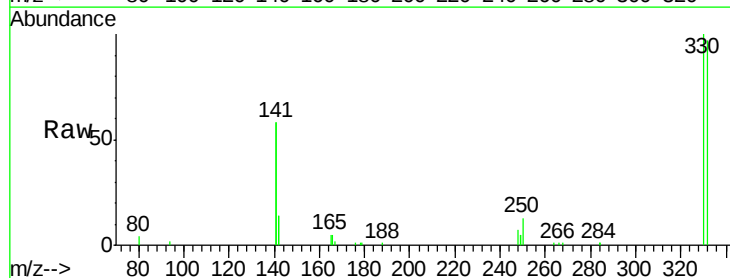
Tgt Ion:330 Resp: 19713

Ion Ratio Lower Upper

330 100

332 97.1 74.9 112.3

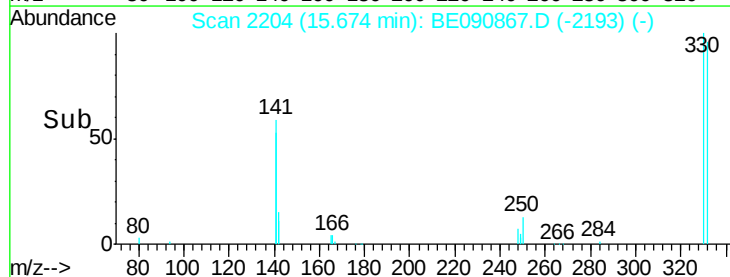
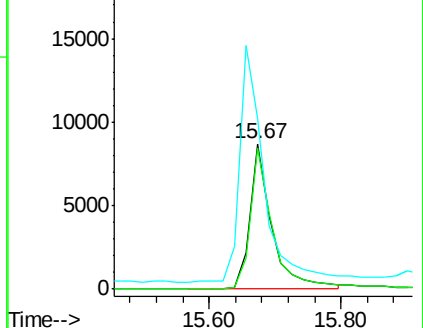
141 181.6 145.2 217.8

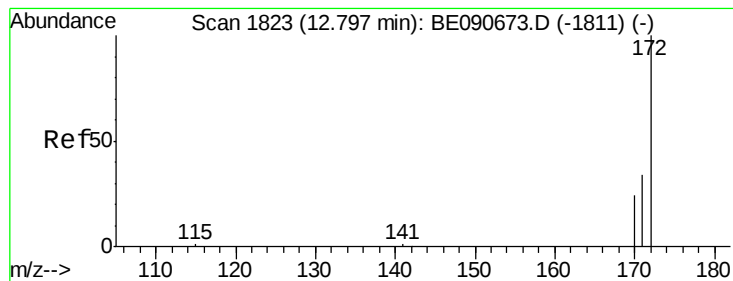


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.93 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.00 min

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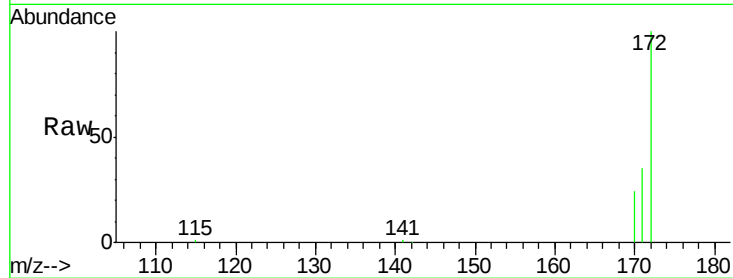
Tgt Ion:172 Resp: 89835

Ion Ratio Lower Upper

172 100

171 35.4 27.8 41.8

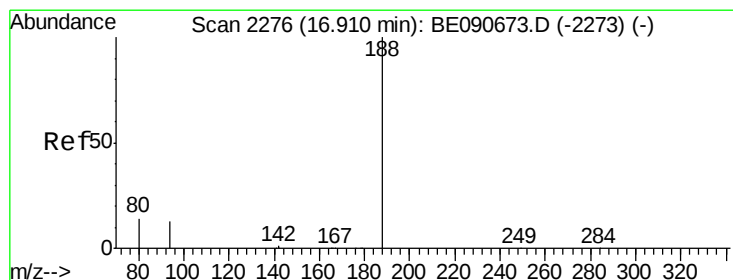
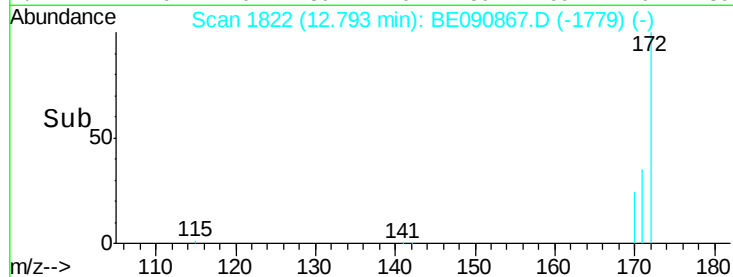
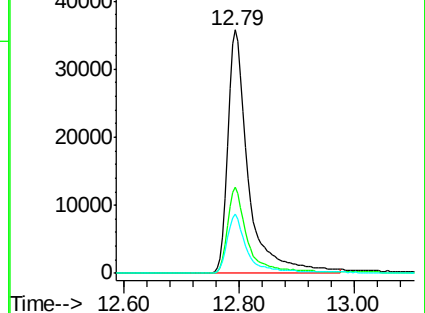
170 24.2 19.8 29.6



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: BE090867.D

Acq: 17 Sep 2015 16:39

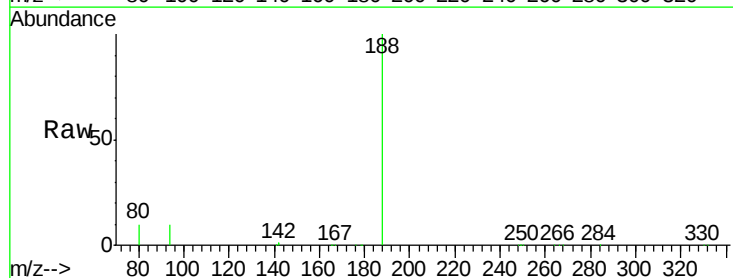
Tgt Ion:188 Resp: 195441

Ion Ratio Lower Upper

188 100

94 9.6 10.3 15.5#

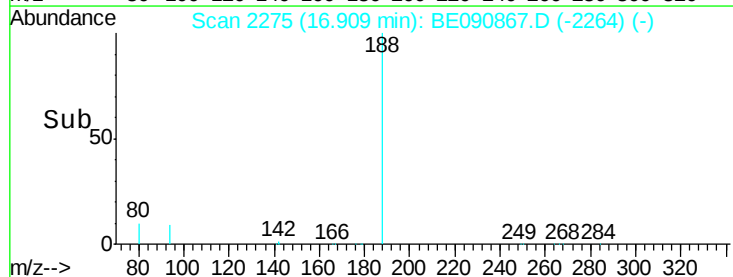
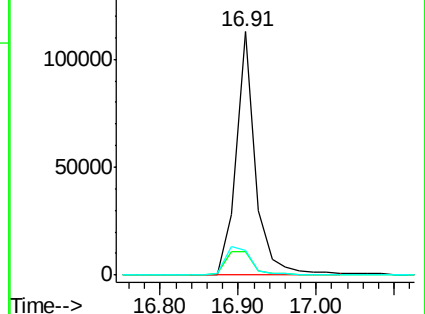
80 10.4 11.0 16.6#



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

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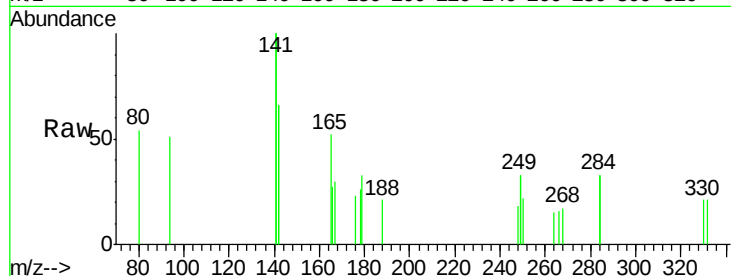
Tgt Ion:284 Resp: 81

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

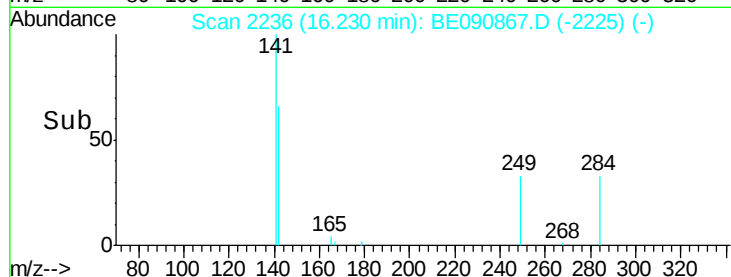
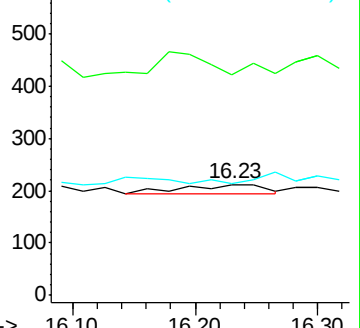
249 0.0 25.5 38.3#



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: 0.46 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

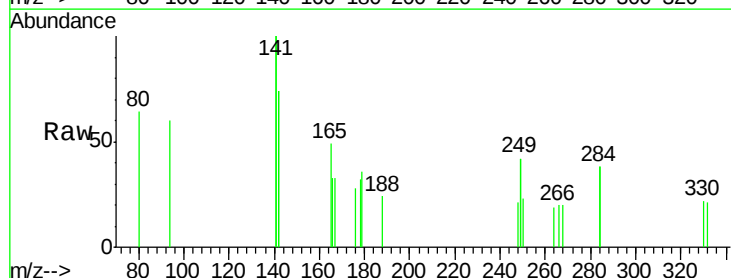
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

268 101.9 49.6 74.4#

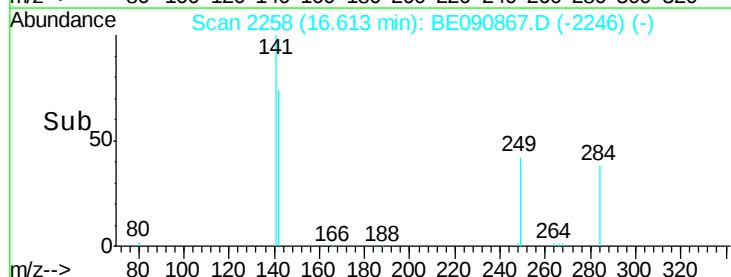
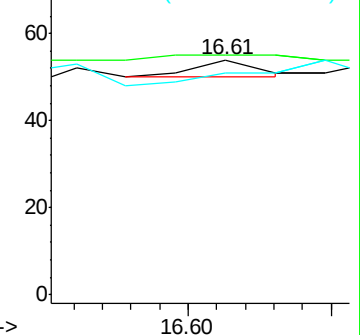
264 94.4 53.9 80.9#

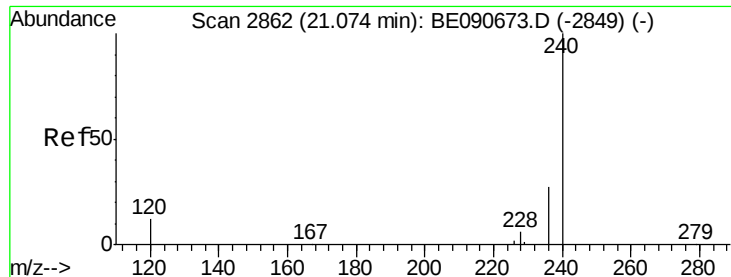


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

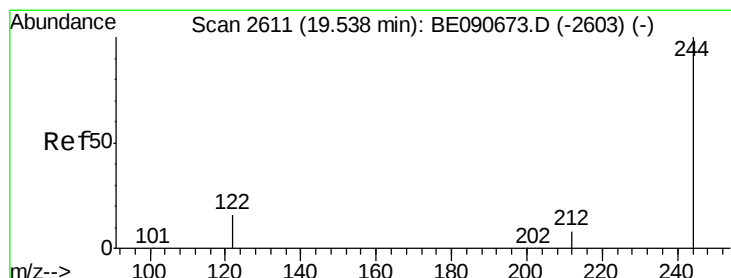
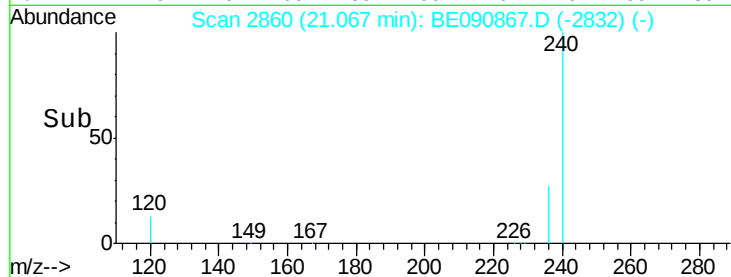
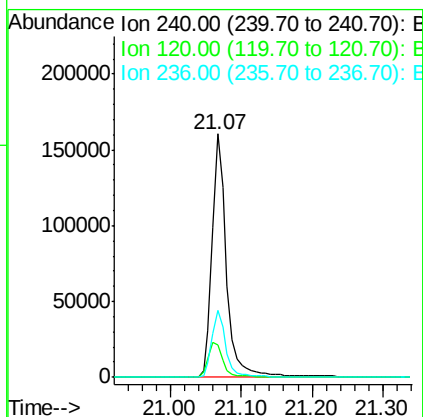
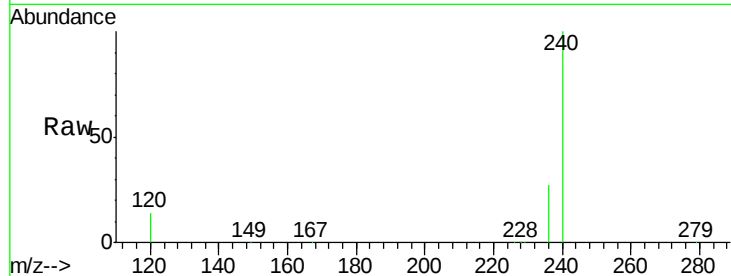




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BE090867.D
Acq: 17 Sep 2015 16:39

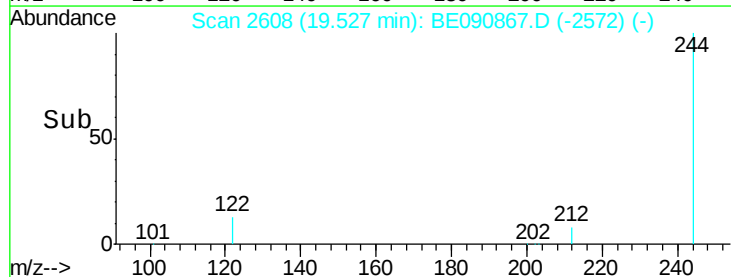
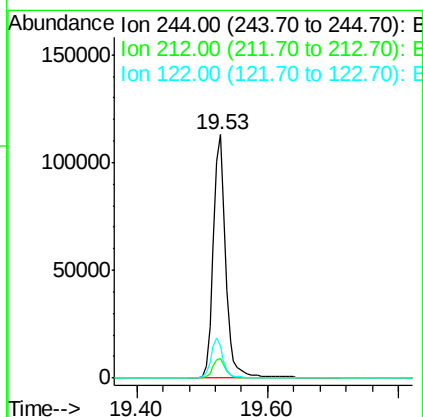
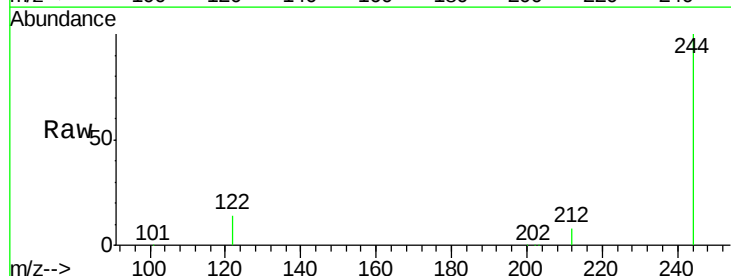
Instrument :
BNA_E
ClientSampleId :
091515-D534-E-U-B

Tgt Ion:240 Resp: 228421
Ion Ratio Lower Upper
240 100
120 13.6 10.1 15.1
236 27.3 21.9 32.9



#27
Terphenyl-d14
Concen: 6.02 ng
RT: 19.53 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BE090867.D
Acq: 17 Sep 2015 16:39

Tgt Ion:244 Resp: 152110
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 13.6 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-B

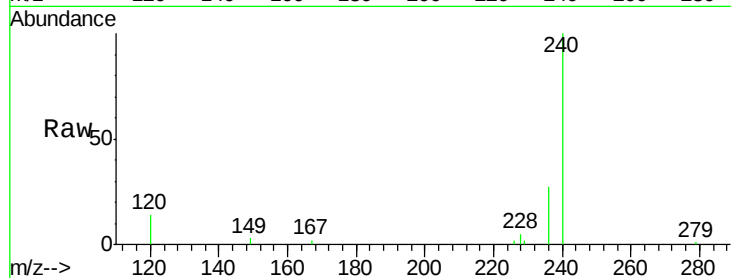
Tgt Ion:228 Resp: 495

Ion Ratio Lower Upper

228 100

226 46.0 24.2 36.4#

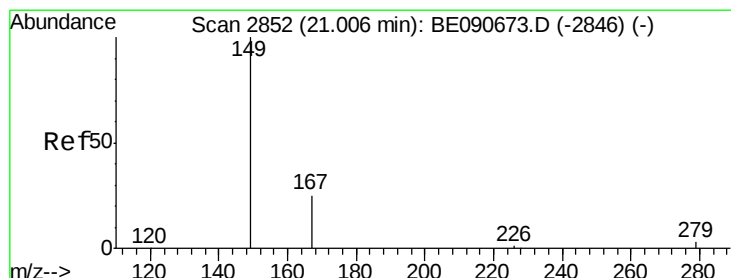
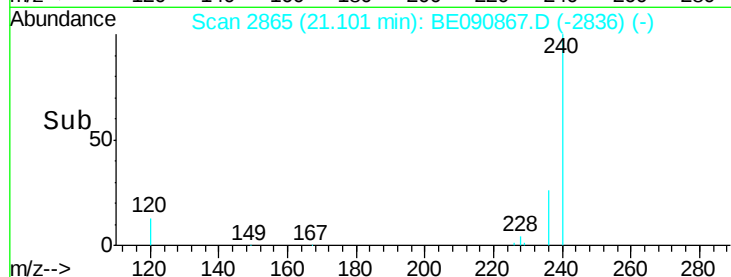
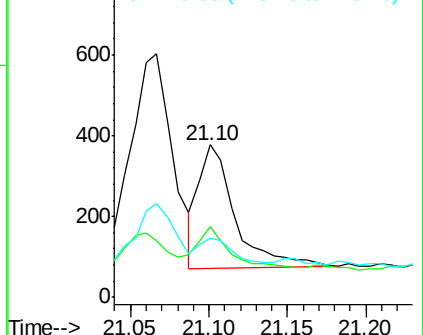
229 38.6 15.3 22.9#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090867.D

Acq: 17 Sep 2015 16:39

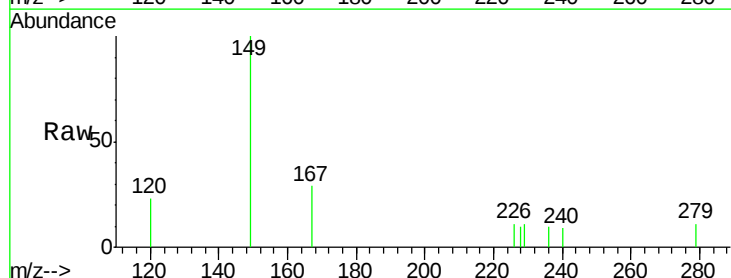
Tgt Ion:149 Resp: 735

Ion Ratio Lower Upper

149 100

167 21.6 20.1 30.1

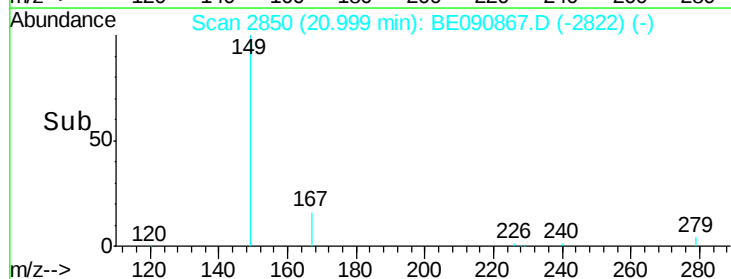
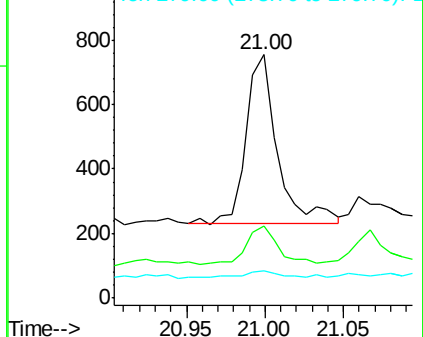
279 4.2 2.3 3.5#



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

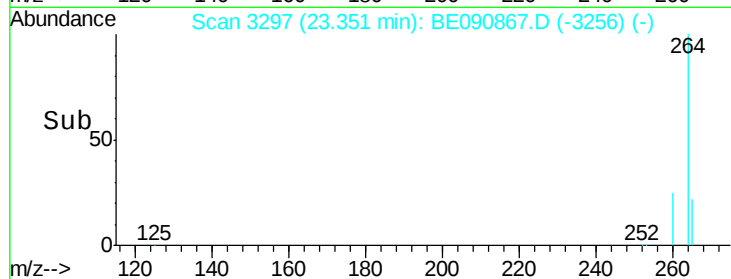
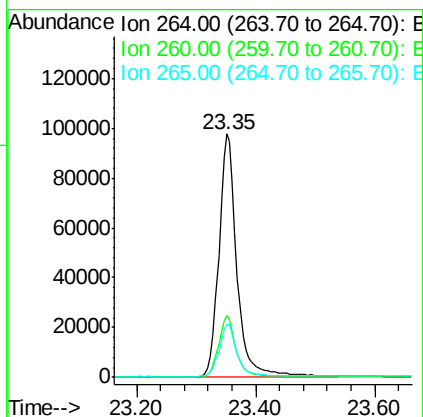




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090867.D
 Acq: 17 Sep 2015 16:39

Instrument :
 BNA_E
 ClientSampleId :
 091515-D534-E-U-B

Tgt Ion: 264 Resp: 207102
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 21.9 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.74 min Scan# 3818
 Delta R.T. -0.01 min
 Lab File: BE090867.D
 Acq: 17 Sep 2015 16:39

Tgt Ion: 278 Resp: 51
 Ion Ratio Lower Upper
 278 100
 139 120.5 15.4 23.0#
 279 109.1 18.8 28.2#

