

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091715\
 Data File : BE090880.D
 Acq On : 18 Sep 2015 00:30
 Operator : UM/IZ
 Sample : G3700-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-U-S

Quant Time: Sep 18 01:15:43 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	32755	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	146855	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	78625	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	193577	5.00	ng	0.00
25) Chrysene-d12	21.07	240	228629	5.00	ng	0.00
32) Perylene-d12	23.35	264	202334	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	29222	4.58	ng	0.00
5) Phenol-d6	6.75	99	23706	2.60	ng	0.00
7) Nitrobenzene-d5	8.71	82	39895	4.11	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	18608	8.06	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	90939	4.18	ng	0.00
27) Terphenyl-d14	19.52	244	149787	5.92	ng	-0.02

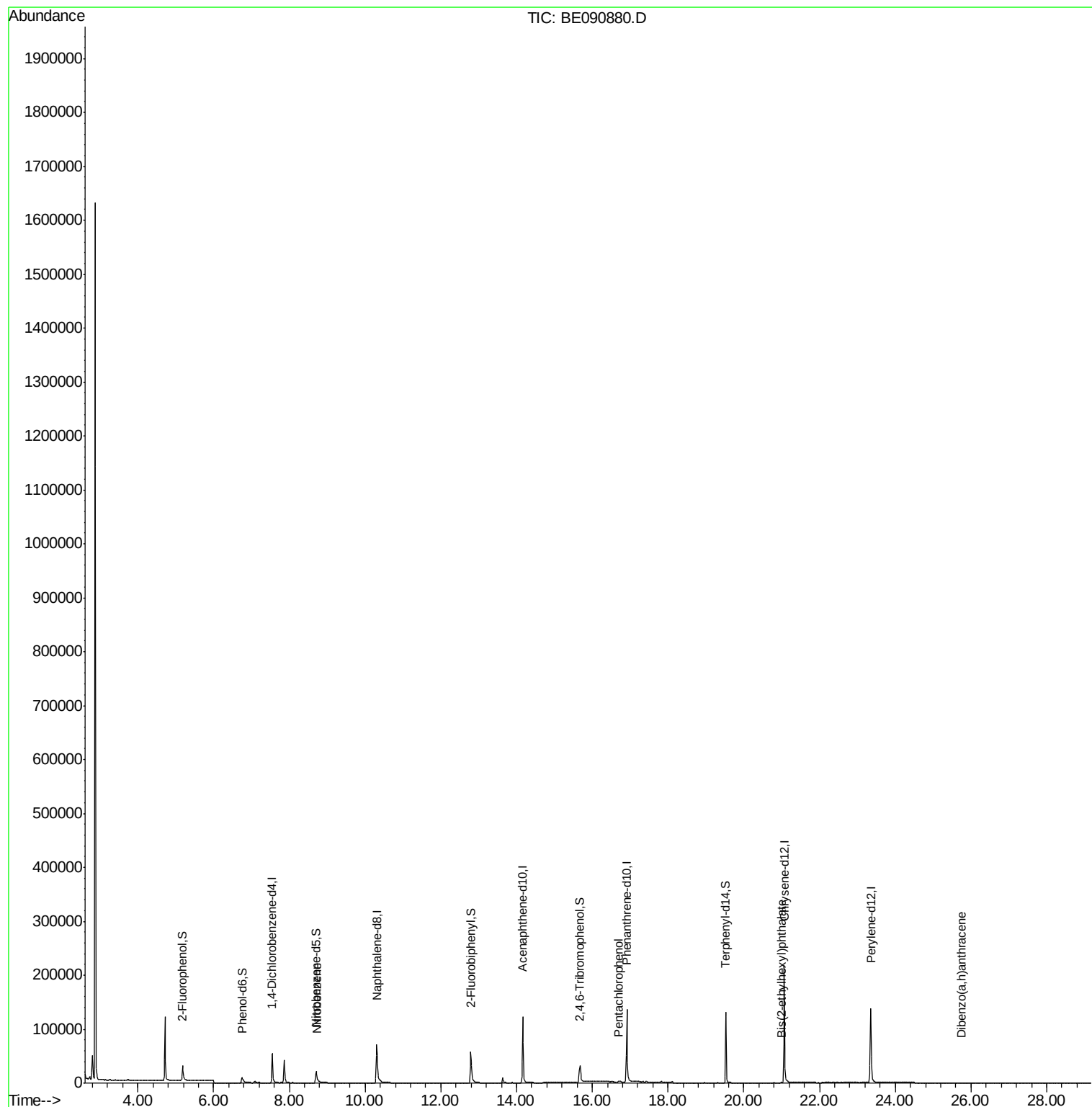
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	64	Below Cal	#	69
3) n-Nitrosodimethylamine	3.49	42	31	Below Cal	#	1
8) Nitrobenzene	8.74	77	21	0.11 ng	#	1
20) Hexachlorobenzene	16.23	284	269	Below Cal	#	1
21) Pentachlorophenol	16.68	266	44	0.47 ng	#	58
29) Chrysene	21.10	228	979	Below Cal	#	83
30) Bis(2-ethylhexyl)phthalate	20.99	149	689	0.12 ng	#	93
36) Dibenzo(a,h)anthracene	25.75	278	325	0.15 ng	#	1

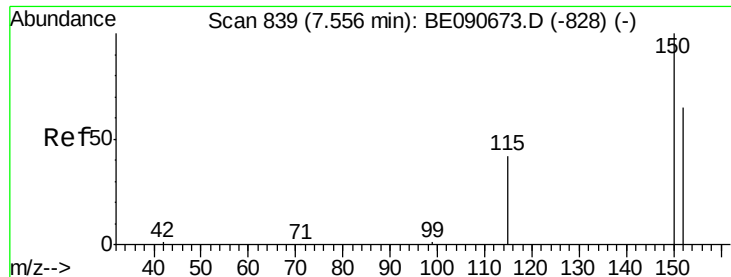
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091715\
Data File : BE090880.D
Acq On : 18 Sep 2015 00:30
Operator : UM/IZ
Sample : G3700-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-S

Quant Time: Sep 18 01:15:43 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

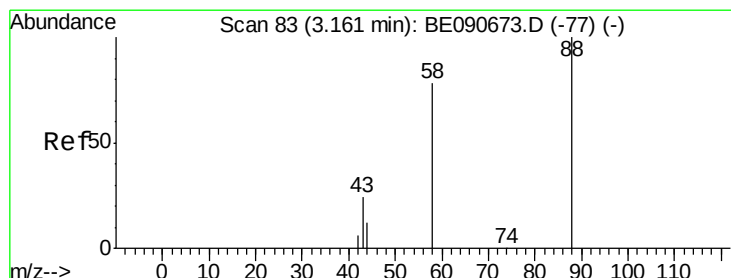
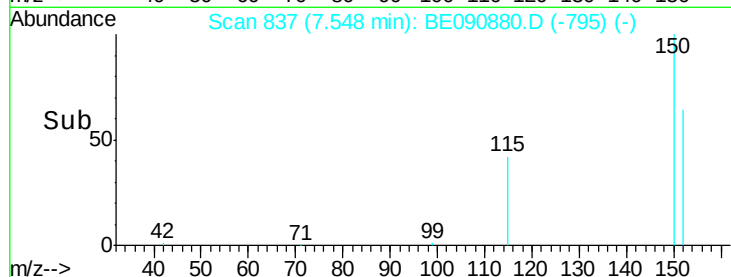
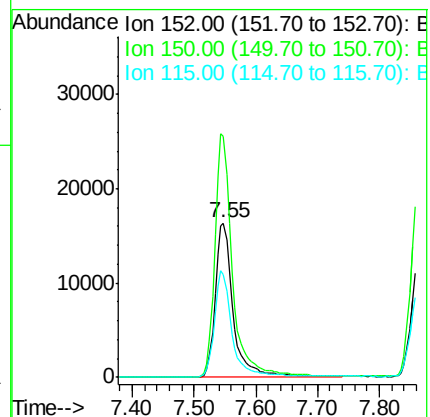
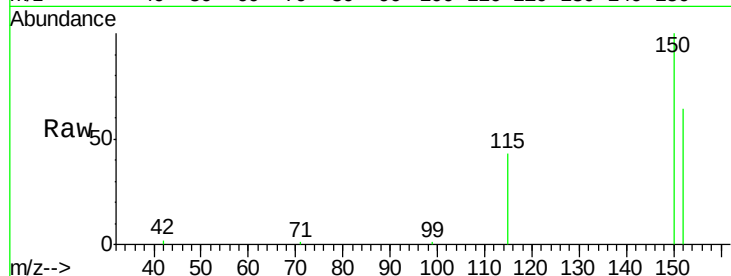
Tot Ion:152 Resp: 32755

Ion Ratio Lower Upper

152 100

150 156.2 122.2 183.4

115 66.8 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.20 min Scan# 88

Delta R.T. 0.03 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

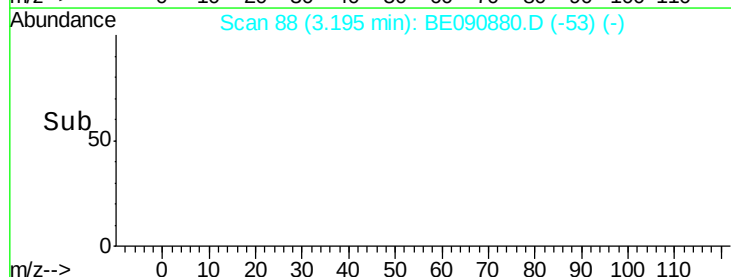
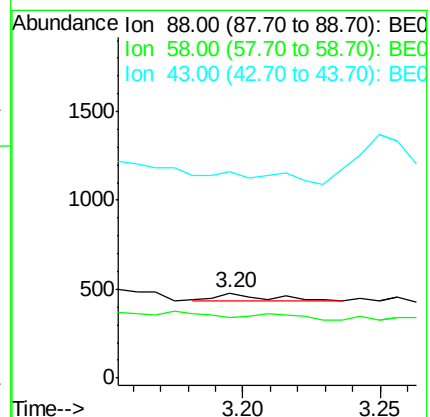
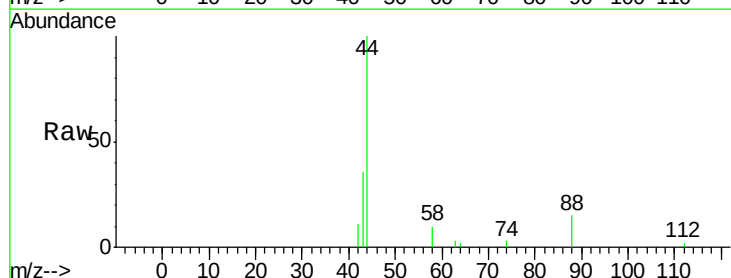
Tgt Ion: 88 Resp: 64

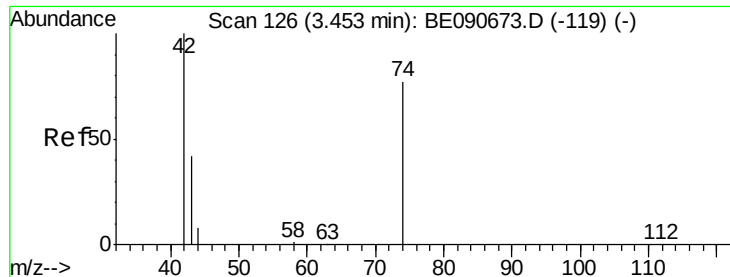
Ion Ratio Lower Upper

88 100

58 67.2 68.4 102.6#

43 0.0 26.9 40.3#



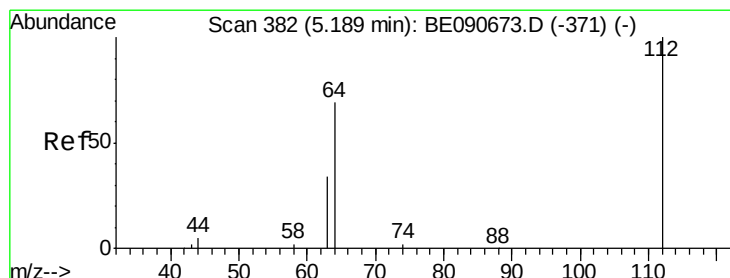
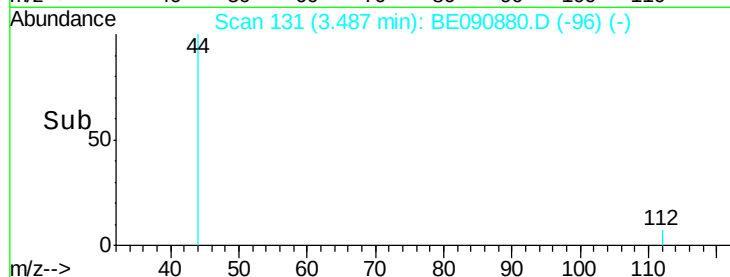
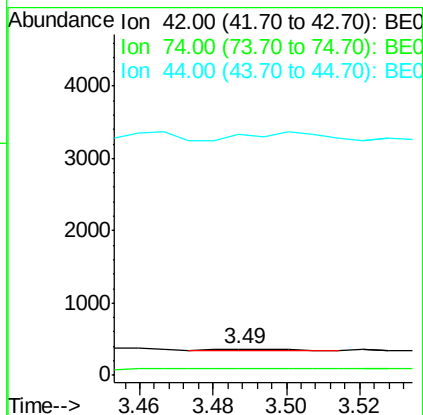
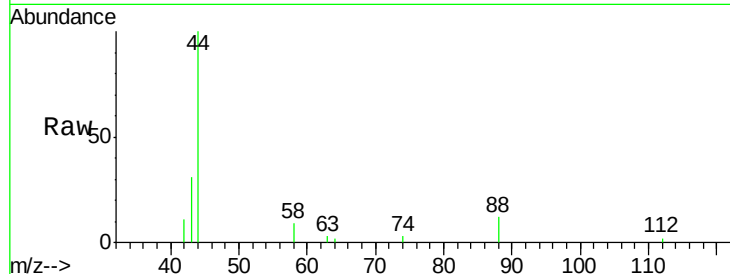


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.49 min Scan# 131
 Delta R.T. 0.03 min
 Lab File: BE090880.D
 Acq: 18 Sep 2015 00:30

Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-U-S

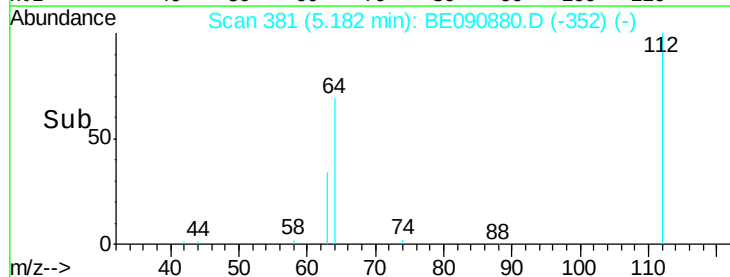
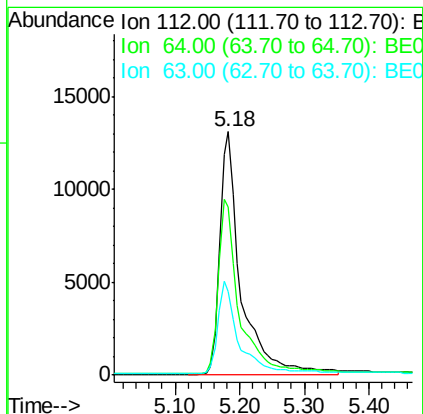
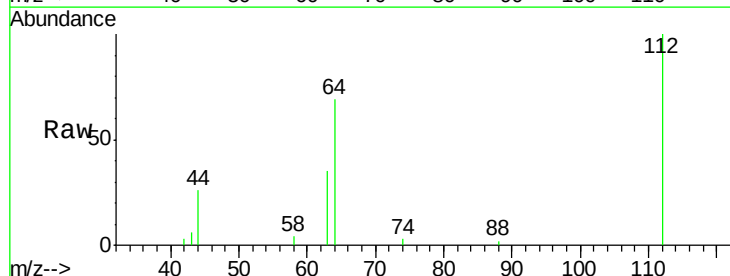
Tot Ion: 42 Resp: 31
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 493.5 10.0 15.0#

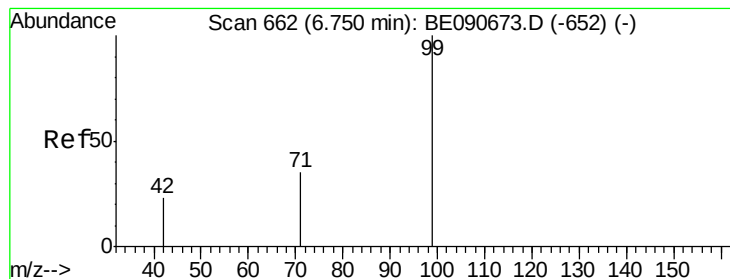


#4

2-Fluorophenol
 Concen: 4.58 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090880.D
 Acq: 18 Sep 2015 00:30

Tgt Ion: 112 Resp: 29222
 Ion Ratio Lower Upper
 112 100
 64 72.4 57.3 85.9
 63 37.7 29.2 43.8





#5

Phenol-d6

Concen: 2.60 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

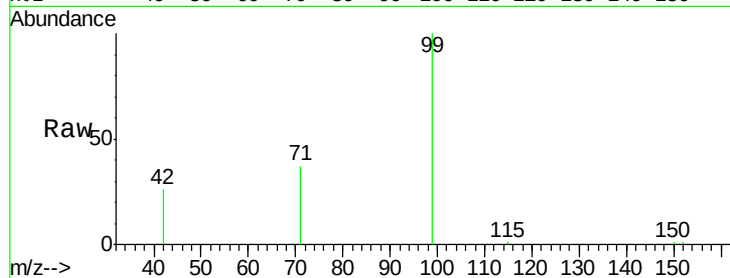
Tot Ion: 99 Resp: 23706

Ion Ratio Lower Upper

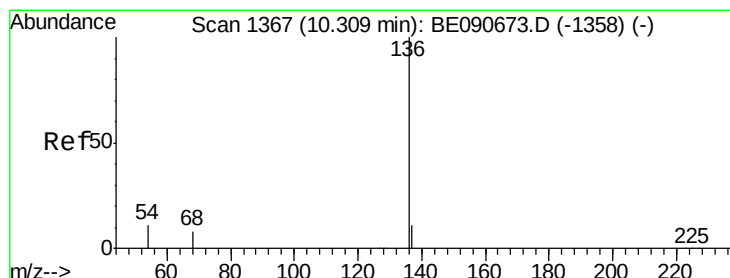
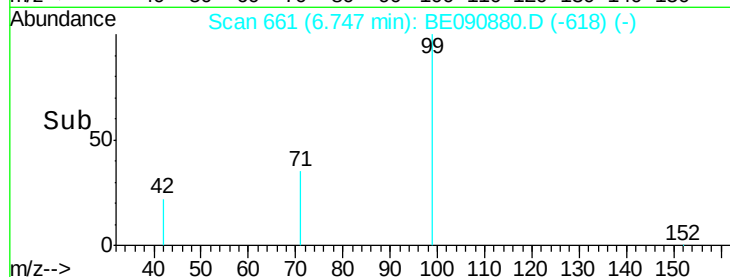
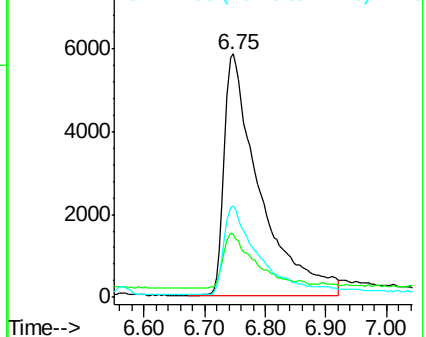
99 100

42 20.3 16.8 25.2

71 35.5 28.3 42.5



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Tgt Ion: 136 Resp: 146855

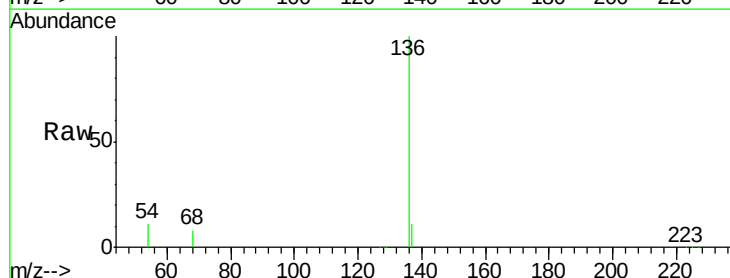
Ion Ratio Lower Upper

136 100

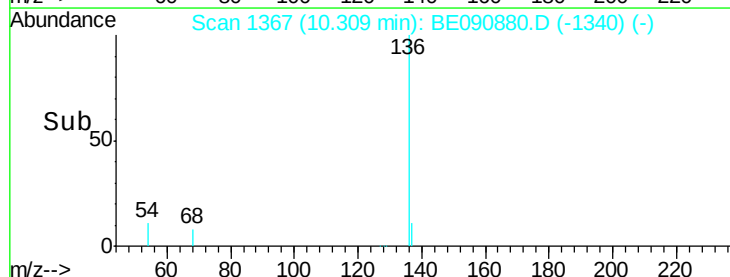
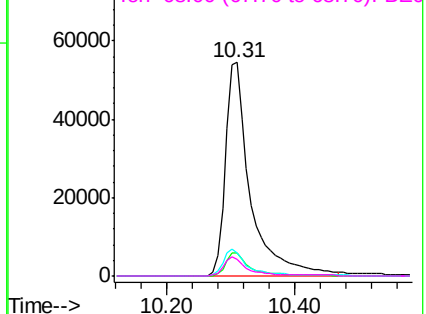
137 11.0 8.7 13.1

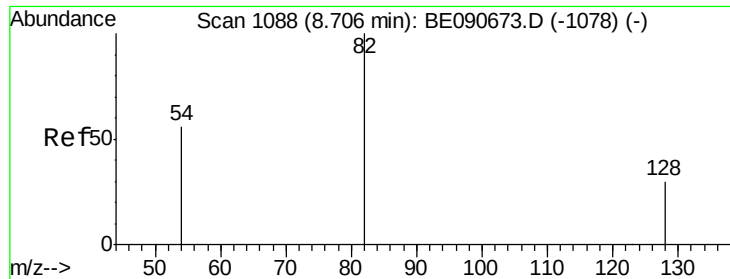
54 10.8 9.0 13.6

68 8.0 6.3 9.5



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





#7

Nitrobenzene-d5

Concen: 4.11 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

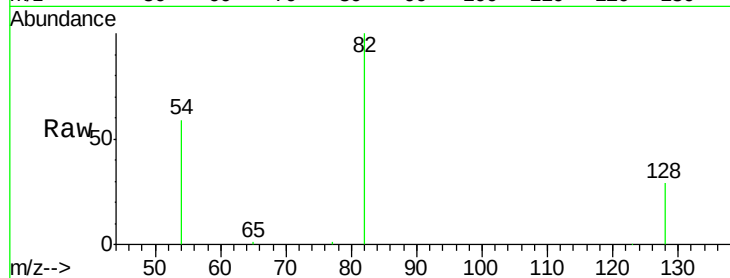
Tot Ion: 82 Resp: 39895

Ion Ratio Lower Upper

82 100

128 29.3 25.0 37.4

54 58.9 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

8.71

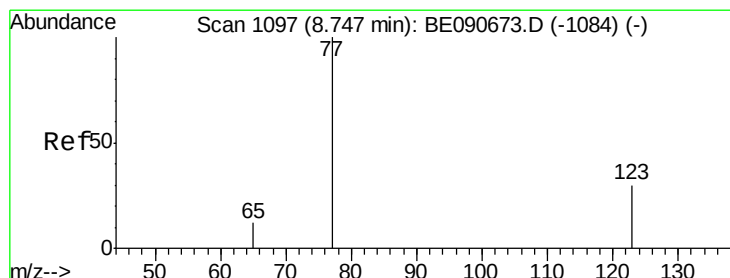
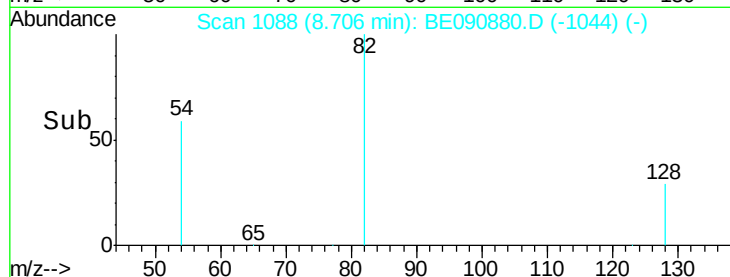
15000

10000

5000

0

Time-->



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.74 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

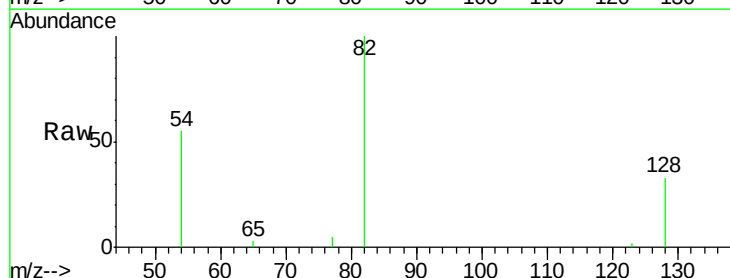
Tgt Ion: 77 Resp: 21

Ion Ratio Lower Upper

77 100

123 81.0 25.1 37.7#

65 109.5 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

8.74

250

200

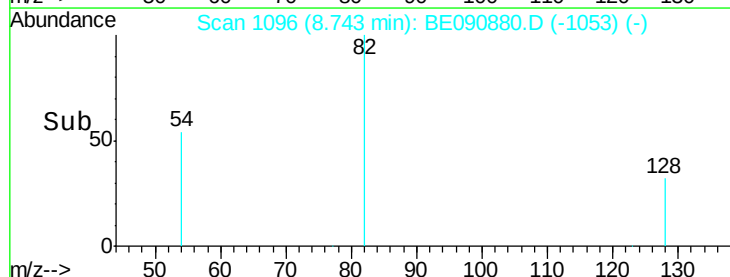
150

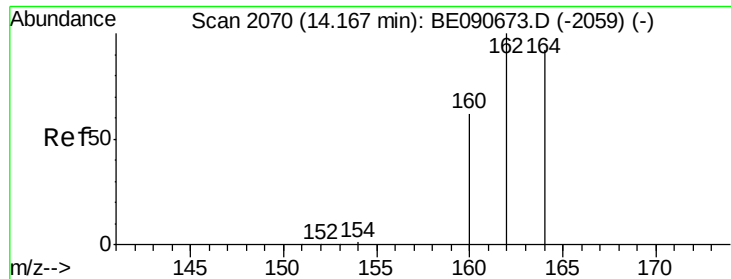
100

50

0

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

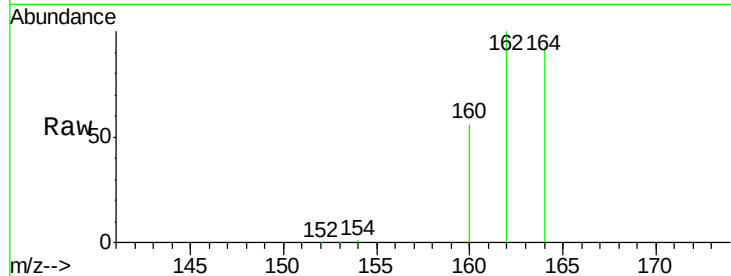
Tot Ion:164 Resp: 78625

Ion Ratio Lower Upper

164 100

162 107.4 86.8 130.2

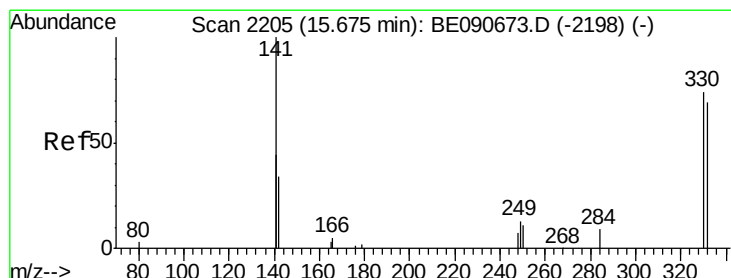
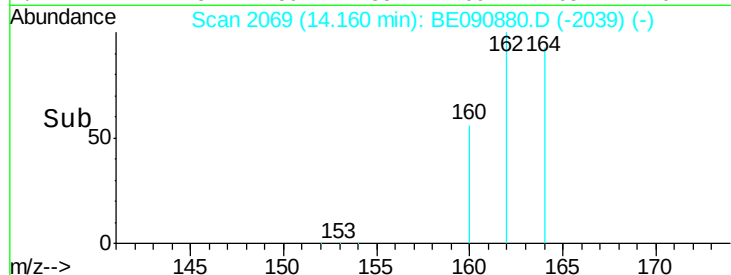
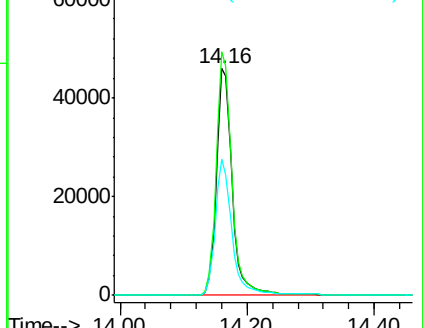
160 60.1 53.9 80.9



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: 8.06 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

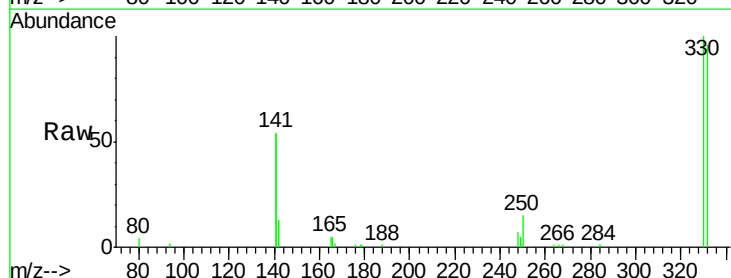
Tgt Ion:330 Resp: 18608

Ion Ratio Lower Upper

330 100

332 97.2 74.9 112.3

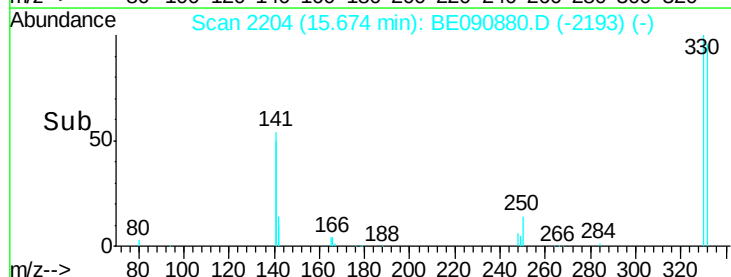
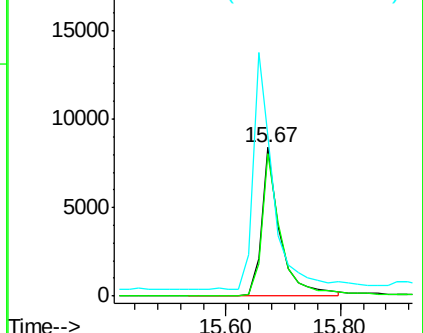
141 174.7 145.2 217.8

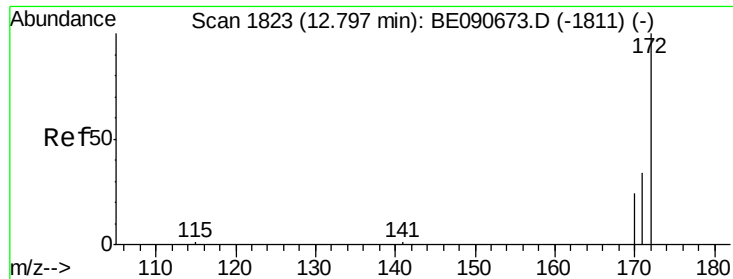


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

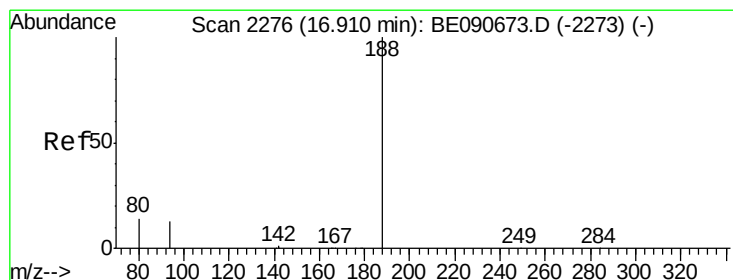
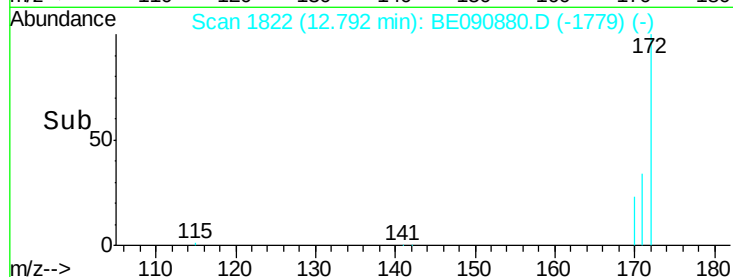
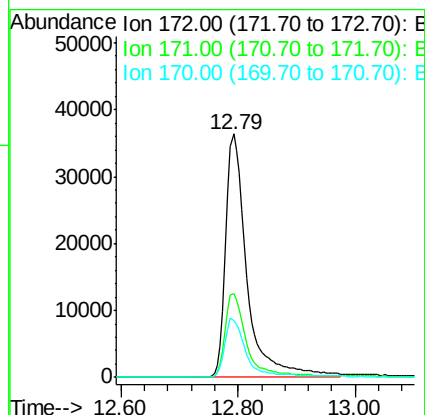
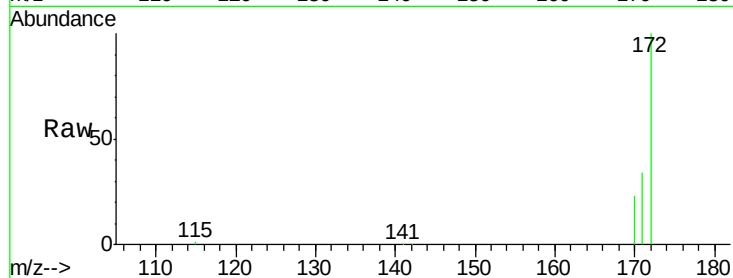




#14
2-Fluorobiphenyl
Concen: 4.18 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090880.D
Acq: 18 Sep 2015 00:30

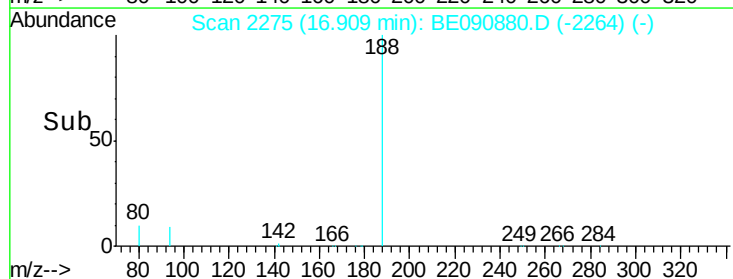
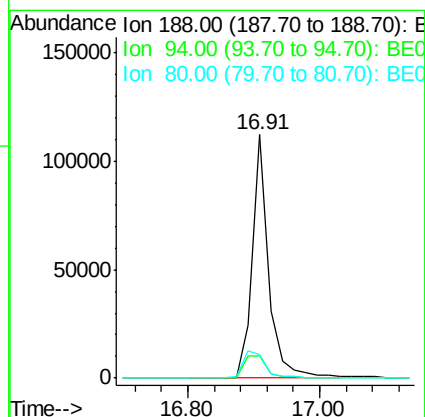
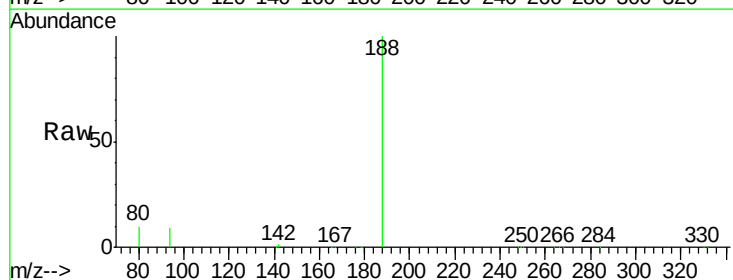
Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-S

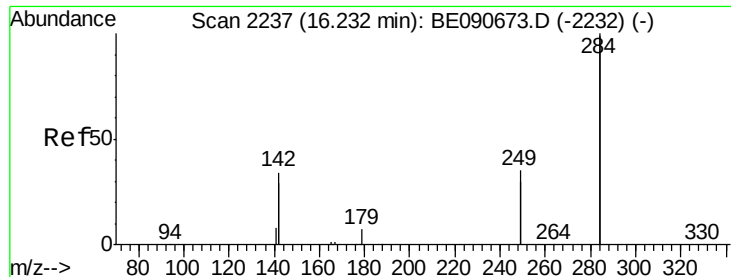
Tot Ion:172 Resp: 90939
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.4 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090880.D
Acq: 18 Sep 2015 00:30

Tgt Ion:188 Resp: 193577
Ion Ratio Lower Upper
188 100
94 8.9 10.3 15.5#
80 9.8 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

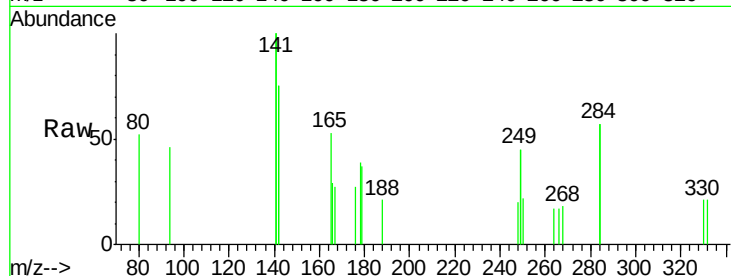
Tot Ion:284 Resp: 269

Ion Ratio Lower Upper

284 100

142 161.3 35.0 52.4#

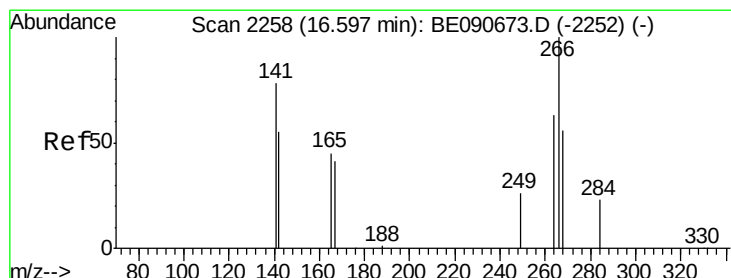
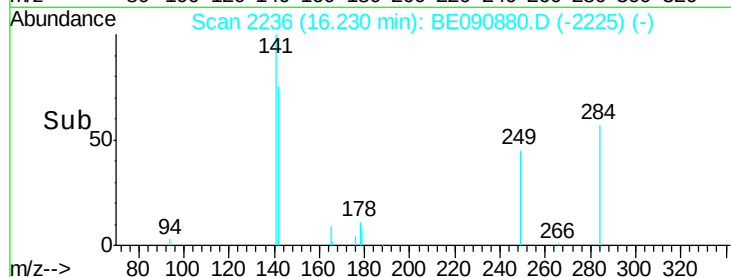
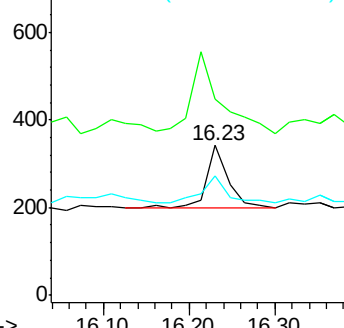
249 49.8 25.5 38.3#



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: 16.68 min Scan# 2262

Delta R.T. 0.09 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

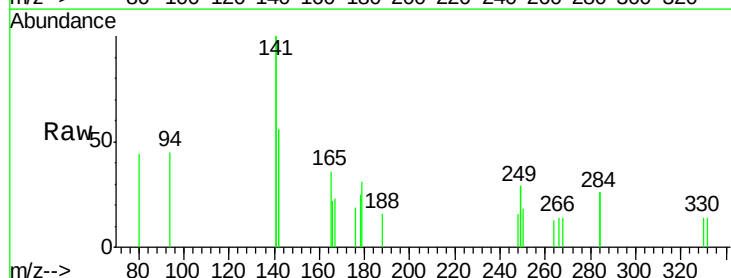
Tgt Ion:266 Resp: 44

Ion Ratio Lower Upper

266 100

268 101.9 49.6 74.4#

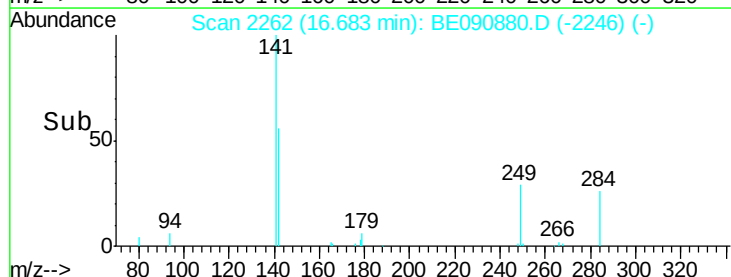
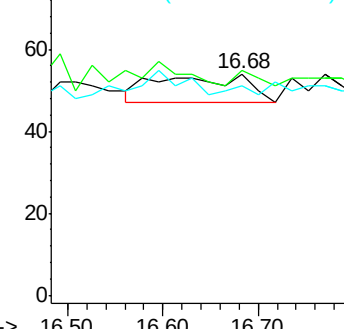
264 94.4 53.9 80.9#

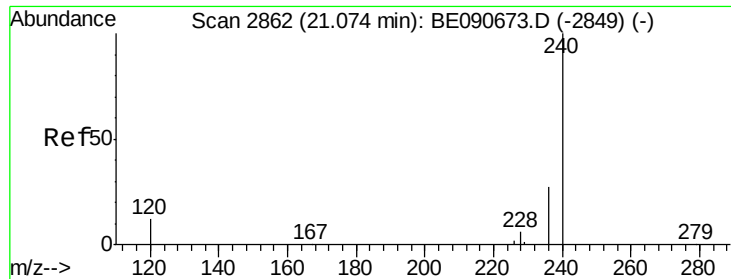


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

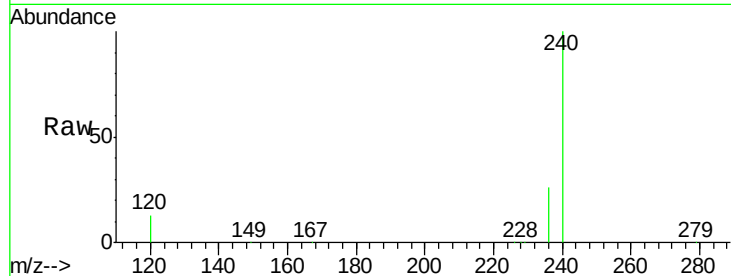
Tot Ion:240 Resp: 228629

Ion Ratio Lower Upper

240 100

120 12.8 10.1 15.1

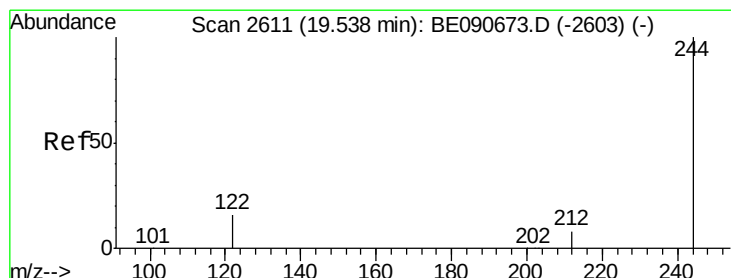
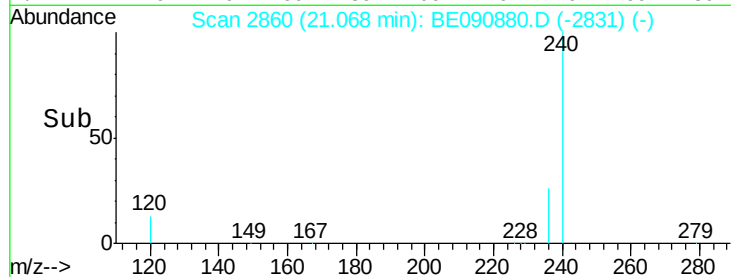
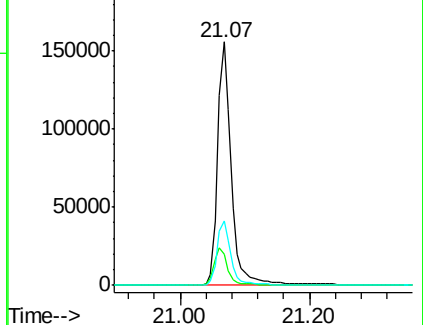
236 26.4 21.9 32.9



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: 5.92 ng

RT: 19.52 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

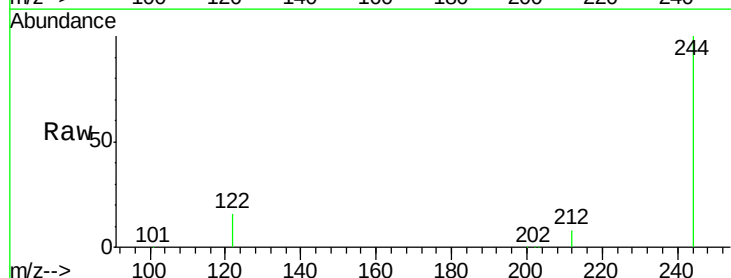
Tgt Ion:244 Resp: 149787

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

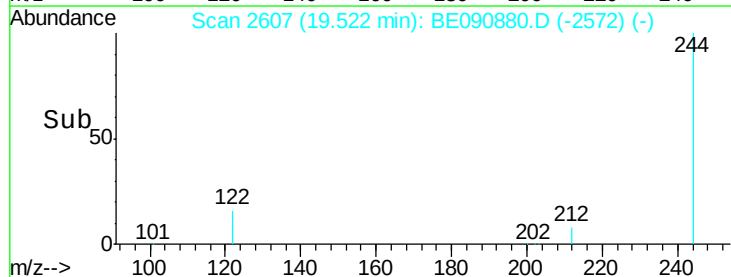
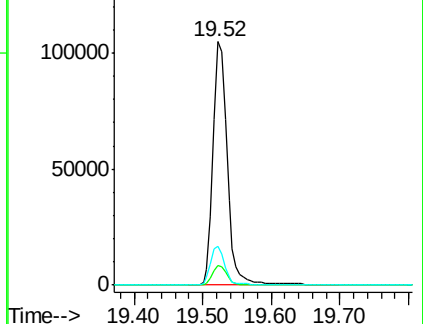
122 15.7 12.9 19.3

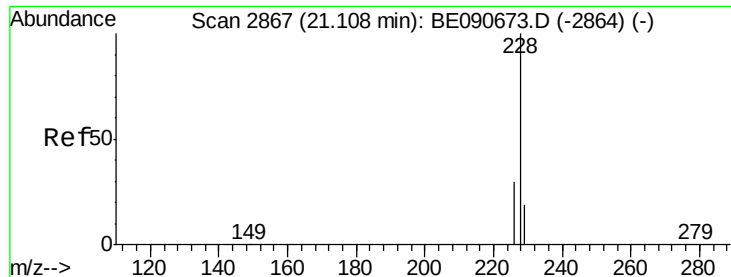


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE090880.D

Acq: 18 Sep 2015 00:30

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-U-S

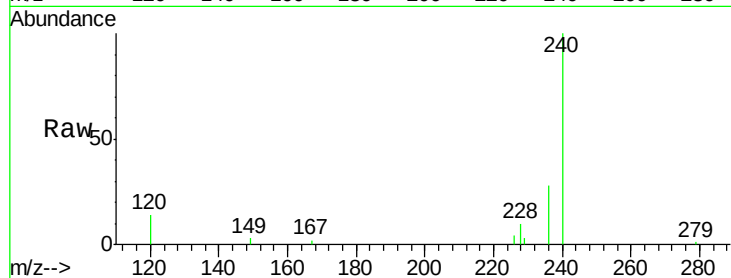
Tot Ion:228 Resp: 979

Ion Ratio Lower Upper

228 100

226 38.5 24.2 36.4#

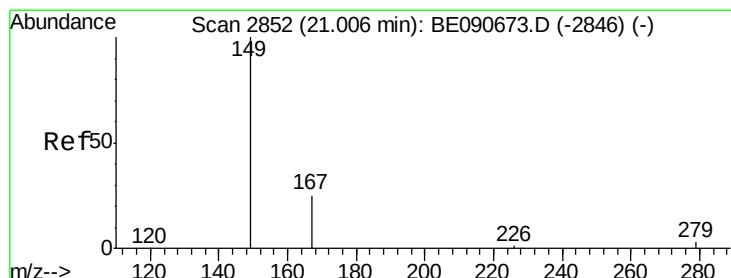
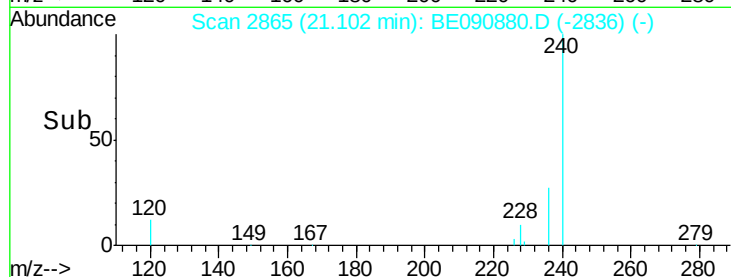
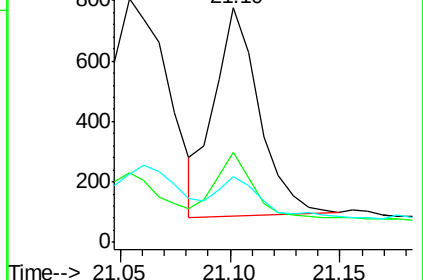
229 28.0 15.3 22.9#



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: 20.99 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090880.D

Acq: 18 Sep 2015 00:30

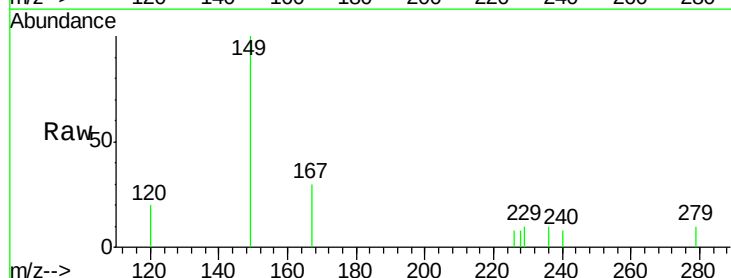
Tgt Ion:149 Resp: 689

Ion Ratio Lower Upper

149 100

167 28.6 20.1 30.1

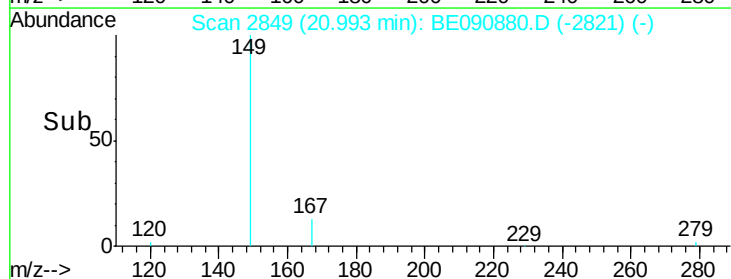
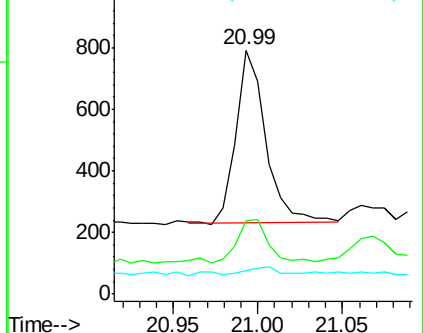
279 4.5 2.3 3.5#

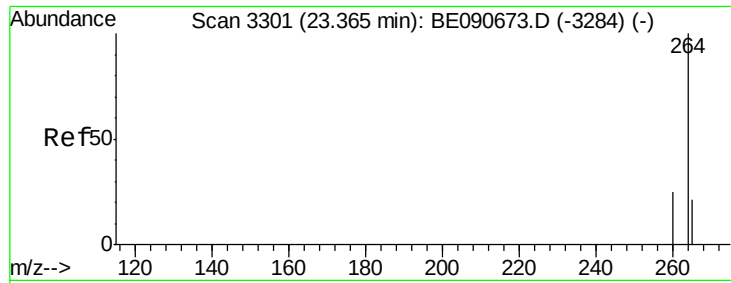


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

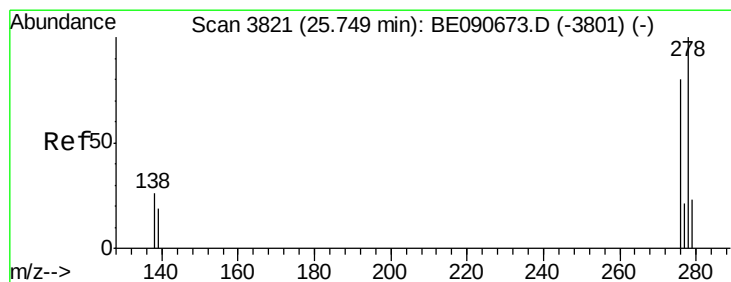
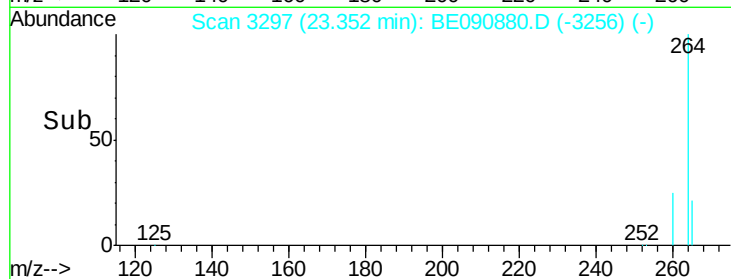
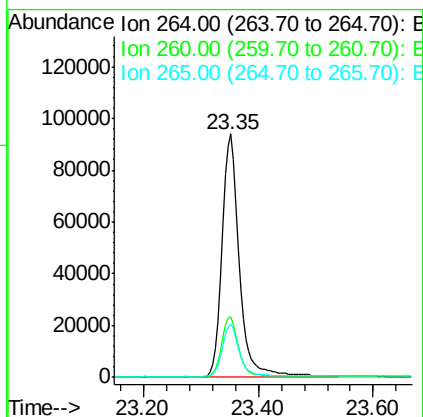
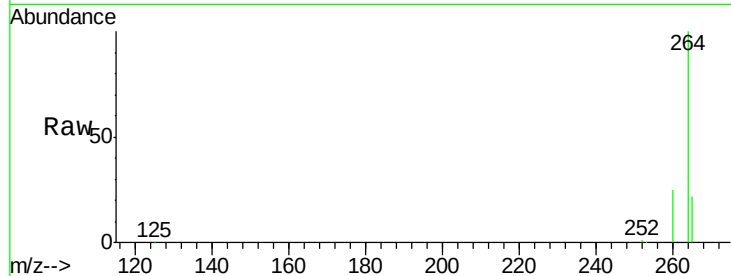




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090880.D
Acq: 18 Sep 2015 00:30

Instrument :
BNA_E
ClientSampleId :
091515-P004-E-U-S

Tot Ion:264 Resp: 202334
Ion Ratio Lower Upper
264 100
260 24.8 19.7 29.5
265 21.8 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 25.75 min Scan# 3819
Delta R.T. -0.00 min
Lab File: BE090880.D
Acq: 18 Sep 2015 00:30

Tgt Ion:278 Resp: 325
Ion Ratio Lower Upper
278 100
139 81.0 15.4 23.0#
279 66.0 18.8 28.2#

