

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
 Data File : BE090700.D
 Acq On : 2 Sep 2015 12:29
 Operator : UM/IZ
 Sample : G3495-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-U-S

Quant Time: Sep 02 13:41:45 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	41903	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	185618	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	101434	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	261730	5.00	ng	0.00
25) Chrysene-d12	21.07	240	325111	5.00	ng	0.00
32) Perylene-d12	23.36	264	310215	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	36101	4.43	ng	0.00
5) Phenol-d6	6.75	99	32581	2.79	ng	0.00
7) Nitrobenzene-d5	8.71	82	52189	4.25	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	30204	10.10	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	114346	4.07	ng	0.00
27) Terphenyl-d14	19.53	244	235826	6.56	ng	-0.01

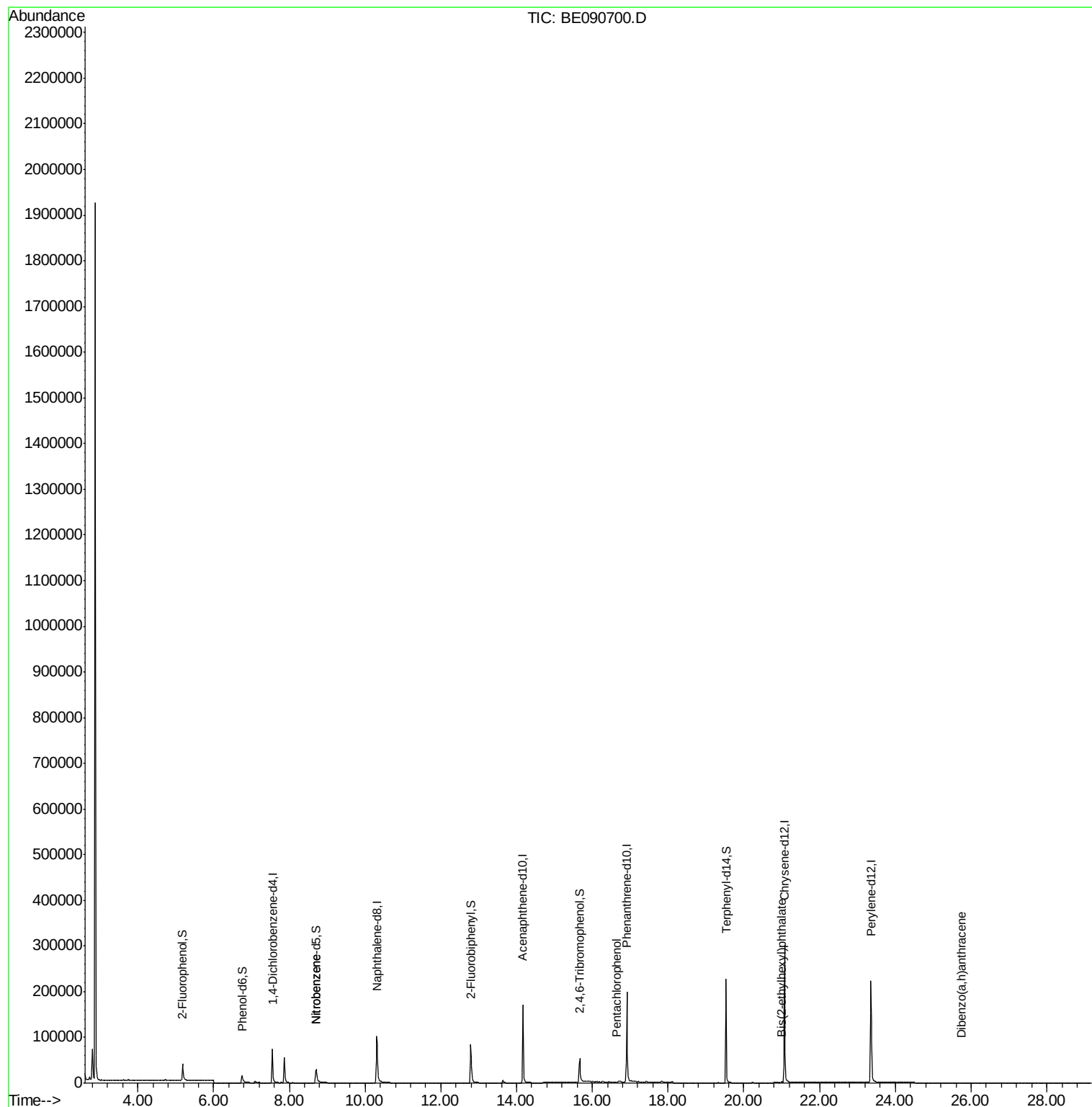
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	323	Below Cal	#	30
3) n-Nitrosodimethylamine	3.41	42	260	Below Cal	#	2
8) Nitrobenzene	8.71	77	257	0.13	ng	58
20) Hexachlorobenzene	16.23	284	119	Below Cal	#	60
21) Pentachlorophenol	16.65	266	13	0.46	ng	63
29) Chrysene	21.07	228	1269	Below Cal	#	73
30) Bis(2-ethylhexyl)phthalate	21.00	149	2409	0.19	ng	99
36) Dibenzo(a,h)anthracene	25.75	278	9	0.14	ng	1

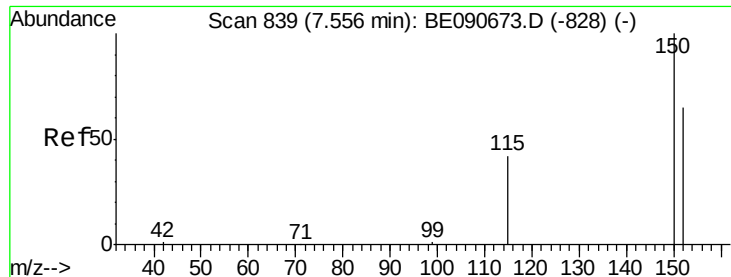
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

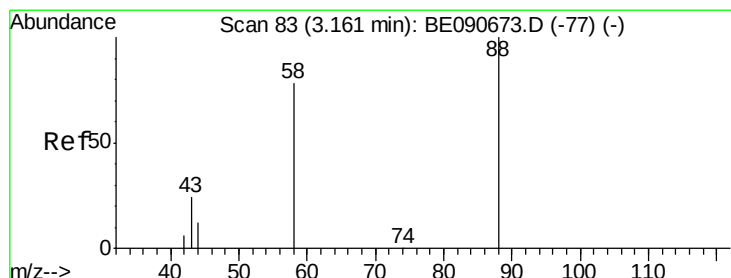
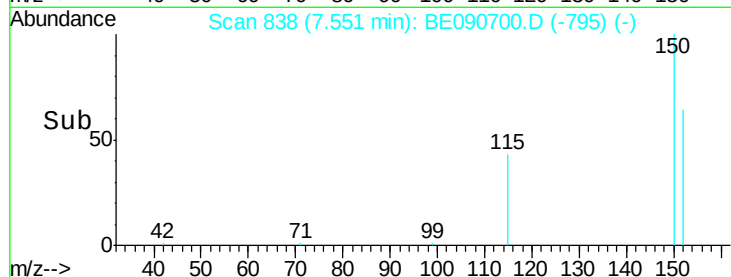
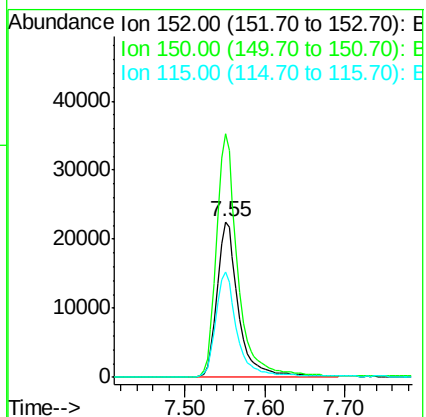
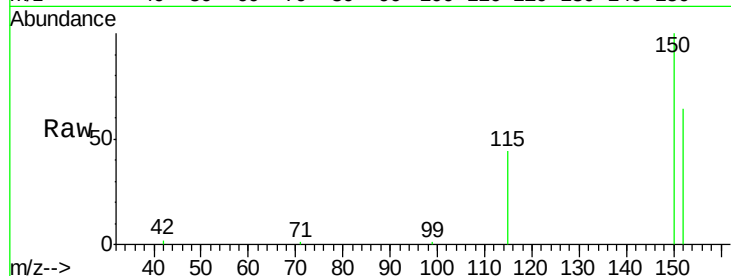
Tgt Ion:152 Resp: 41903

Ion Ratio Lower Upper

152 100

150 156.5 122.2 183.4

115 68.1 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 82

Delta R.T. -0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

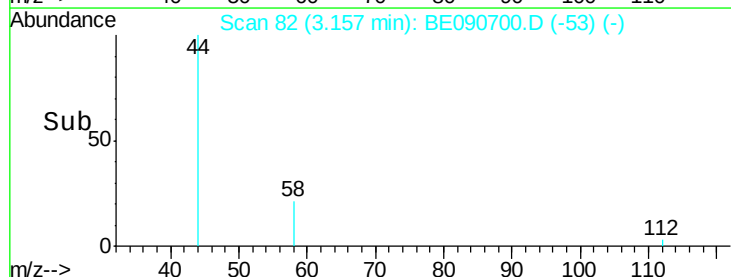
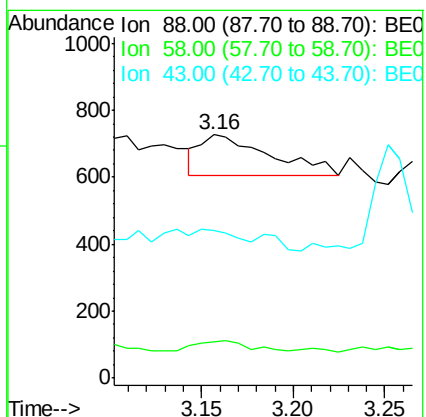
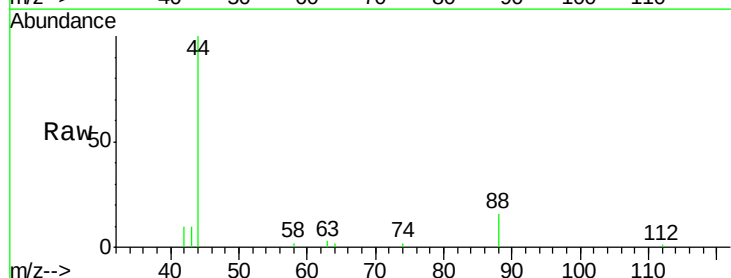
Tgt Ion: 88 Resp: 323

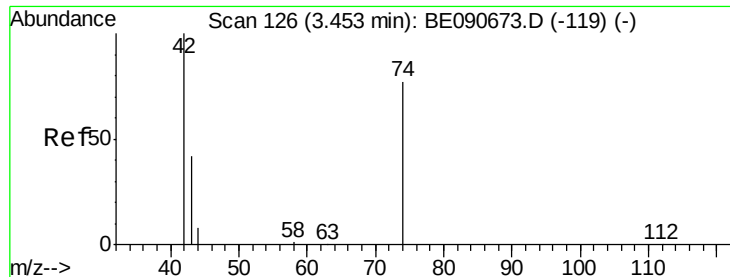
Ion Ratio Lower Upper

88 100

58 17.0 68.4 102.6#

43 0.0 26.9 40.3#



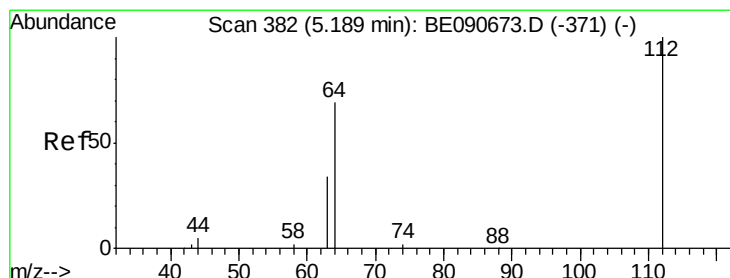
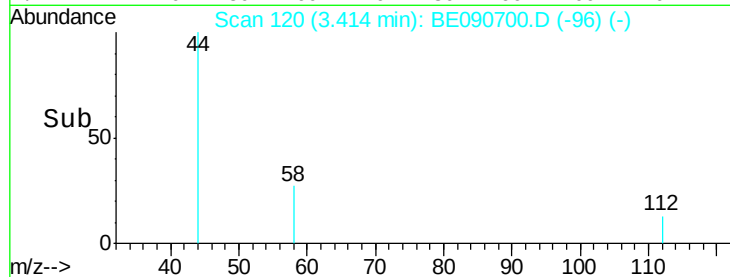
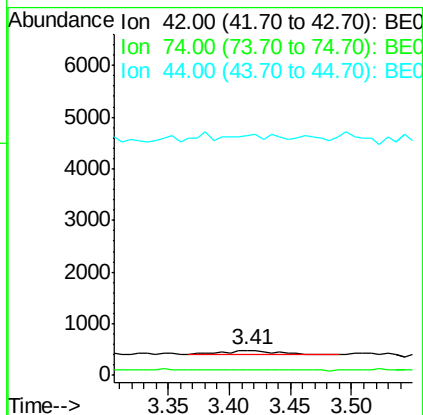
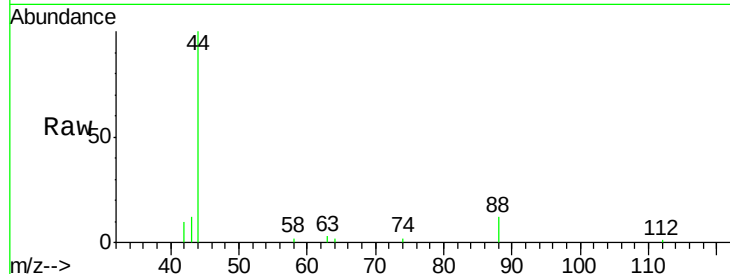


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.41 min Scan# 120
 Delta R.T. -0.04 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-U-S

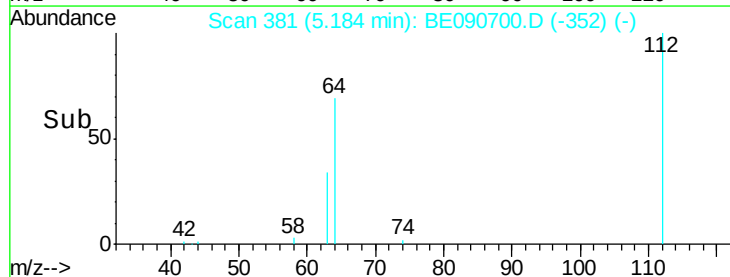
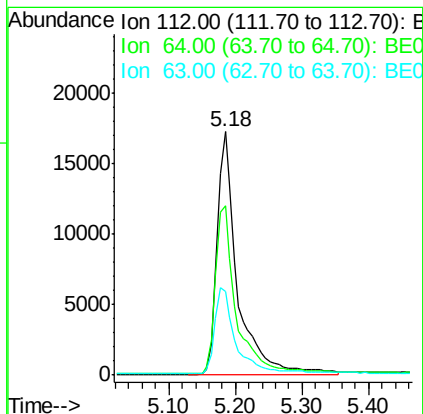
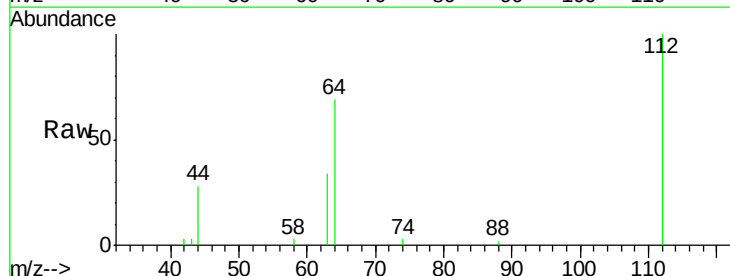
Tgt Ion: 42 Resp: 260
 Ion Ratio Lower Upper
 42 100
 74 7.7 83.7 125.5#
 44 61.9 10.0 15.0#

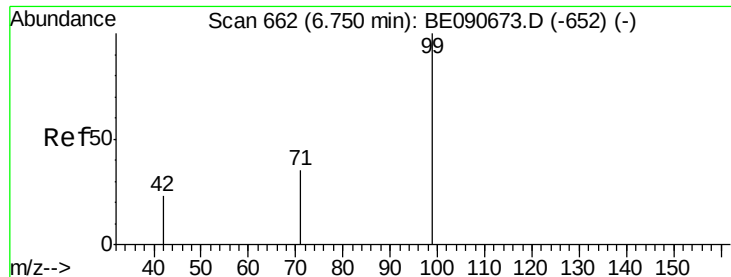


#4

2-Fluorophenol
 Concen: 4.43 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

Tgt Ion: 112 Resp: 36101
 Ion Ratio Lower Upper
 112 100
 64 71.9 57.3 85.9
 63 37.0 29.2 43.8





#5

Phenol-d6

Concen: 2.79 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

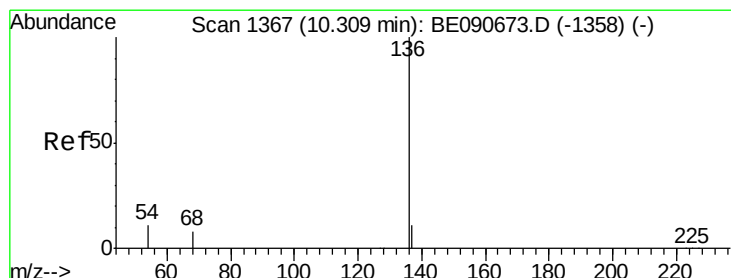
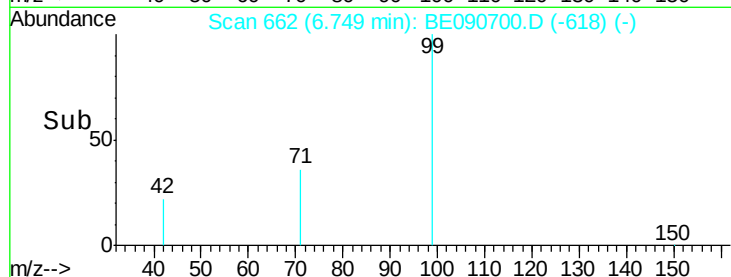
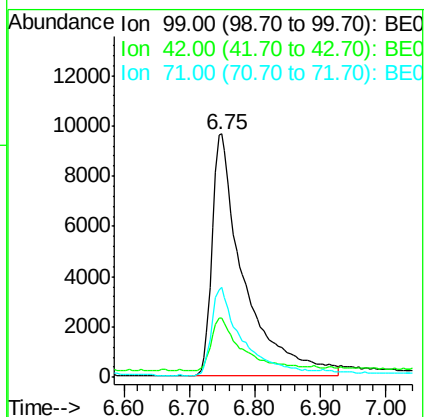
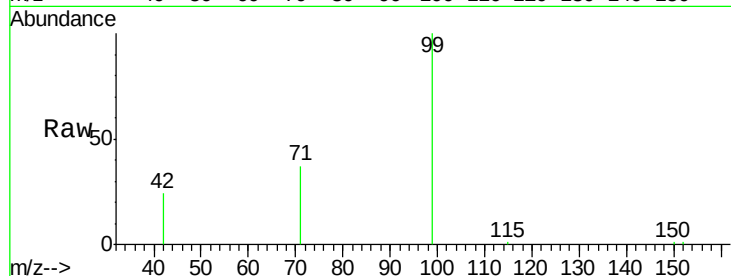
Tgt Ion: 99 Resp: 32581

Ion Ratio Lower Upper

99 100

42 21.6 16.8 25.2

71 35.1 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: BE090700.D

Acq: 2 Sep 2015 12:29

Tgt Ion: 136 Resp: 185618

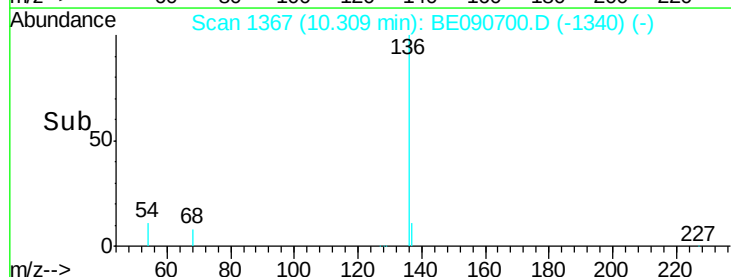
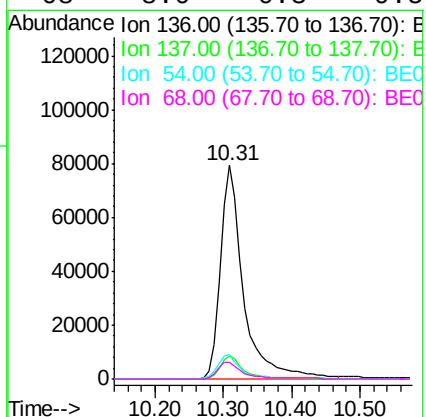
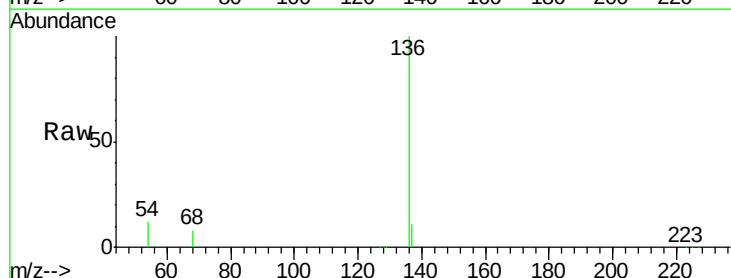
Ion Ratio Lower Upper

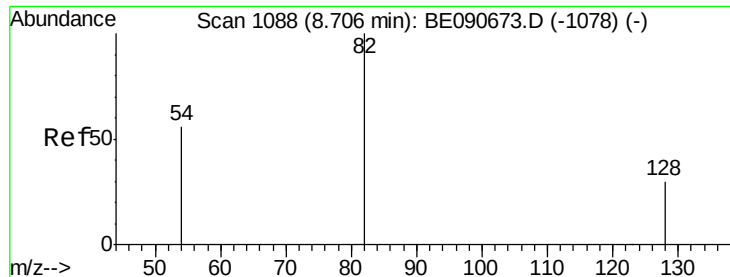
136 100

137 10.7 8.7 13.1

54 11.6 9.0 13.6

68 8.0 6.3 9.5





#7

Nitrobenzene-d5

Concen: 4.25 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

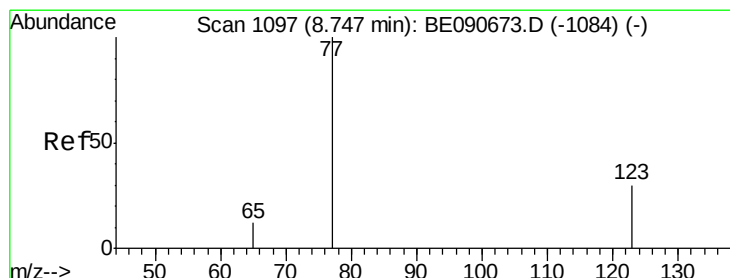
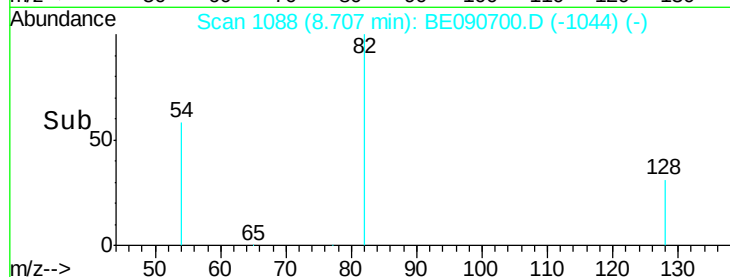
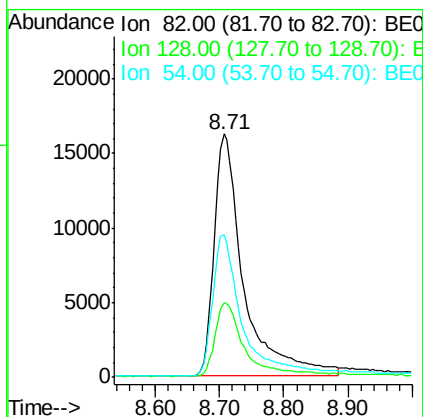
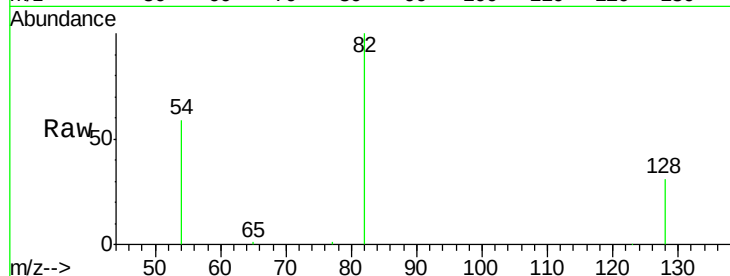
Tgt Ion: 82 Resp: 52189

Ion Ratio Lower Upper

82 100

128 30.9 25.0 37.4

54 58.5 46.3 69.5



#8

Nitrobenzene

Concen: 0.13 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

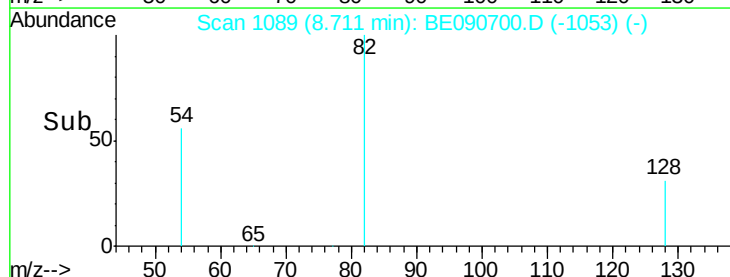
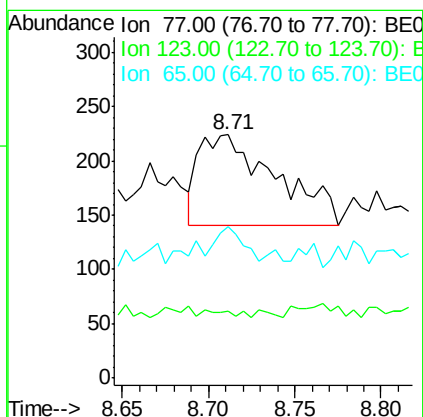
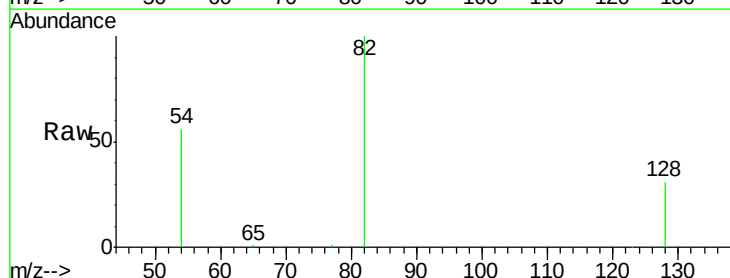
Tgt Ion: 77 Resp: 257

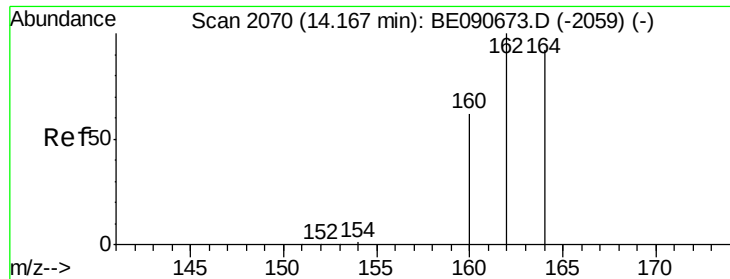
Ion Ratio Lower Upper

77 100

123 1.9 25.1 37.7#

65 18.3 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

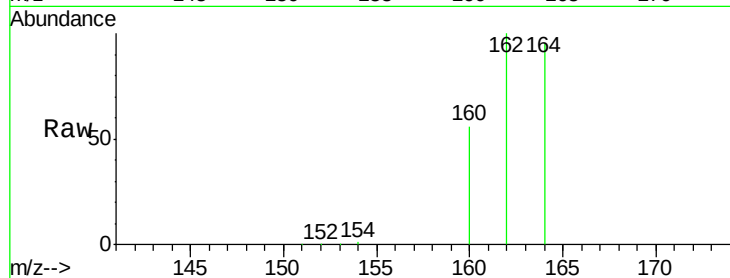
Tgt Ion:164 Resp: 101434

Ion Ratio Lower Upper

164 100

162 105.2 86.8 130.2

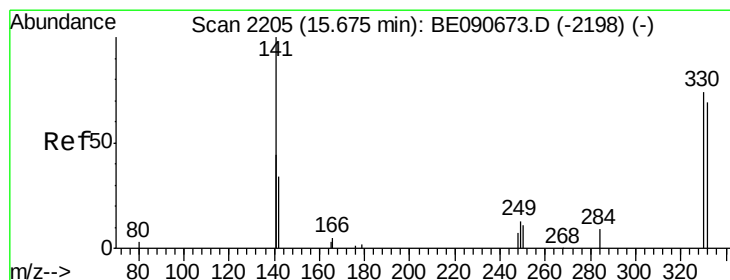
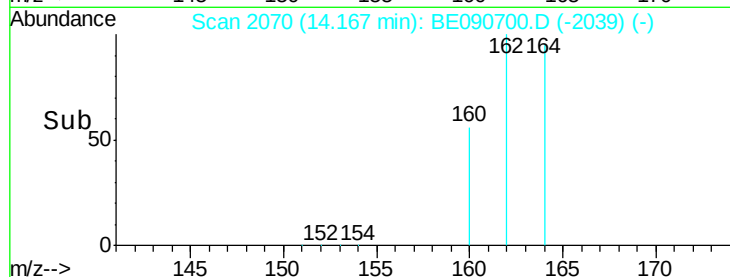
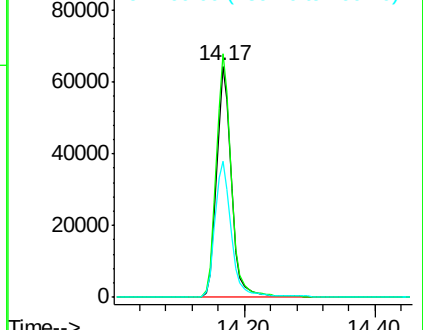
160 59.0 53.9 80.9



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



#13

2,4,6-Tribromophenol

Concen: 10.10 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

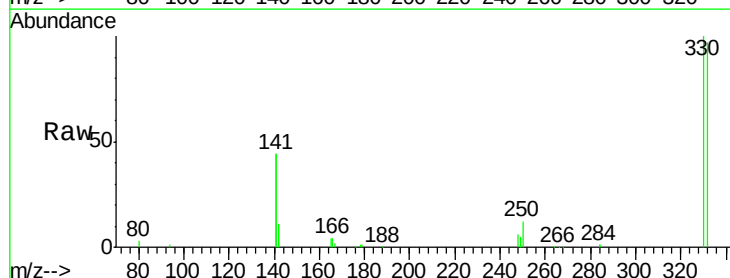
Tgt Ion:330 Resp: 30204

Ion Ratio Lower Upper

330 100

332 97.3 74.9 112.3

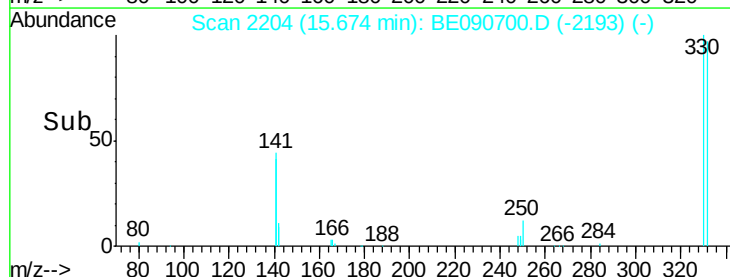
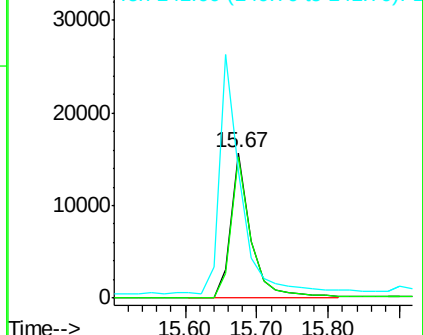
141 178.4 145.2 217.8

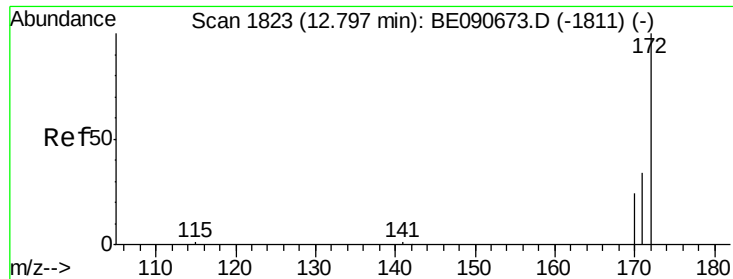


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

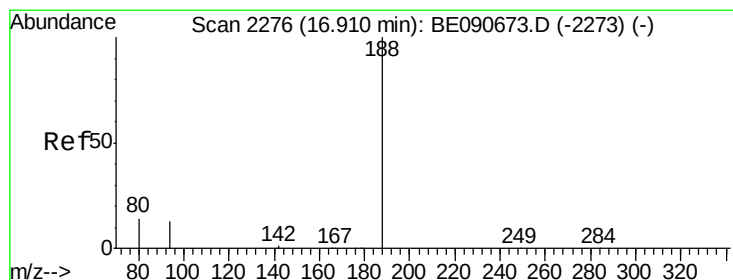
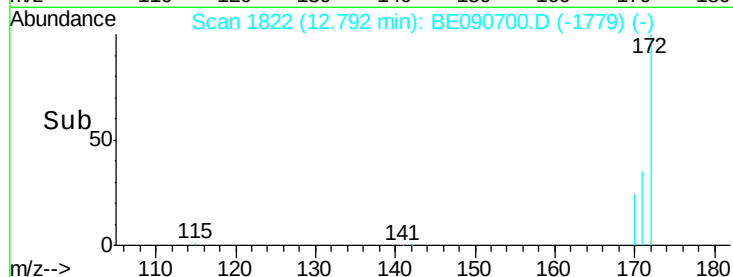
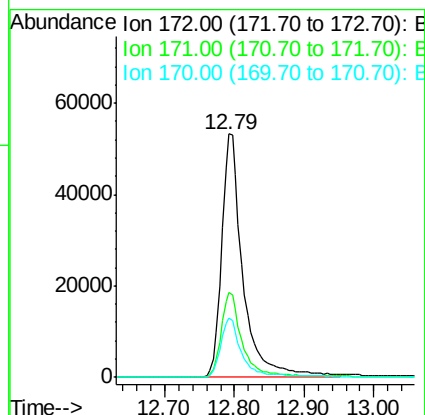
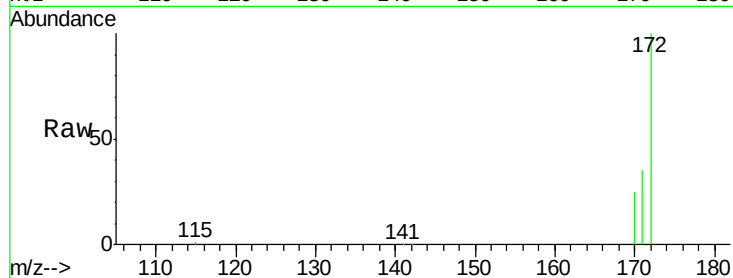




#14
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090700.D
Acq: 2 Sep 2015 12:29

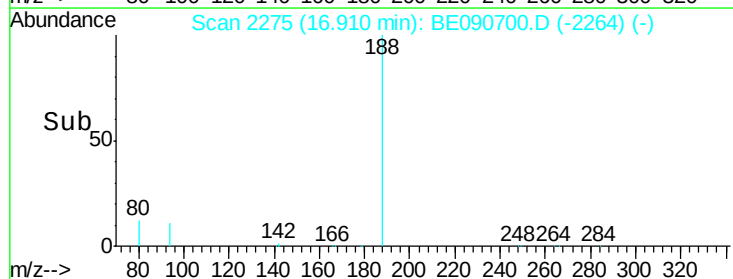
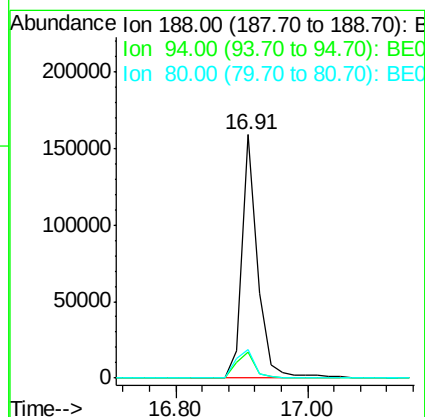
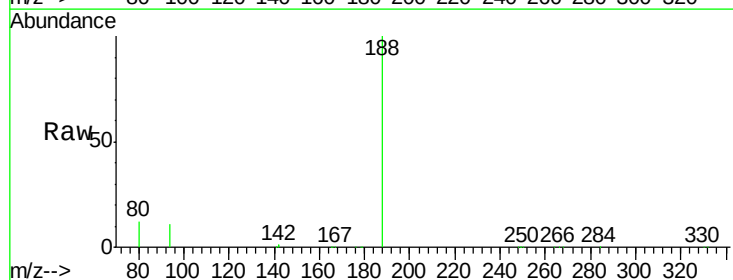
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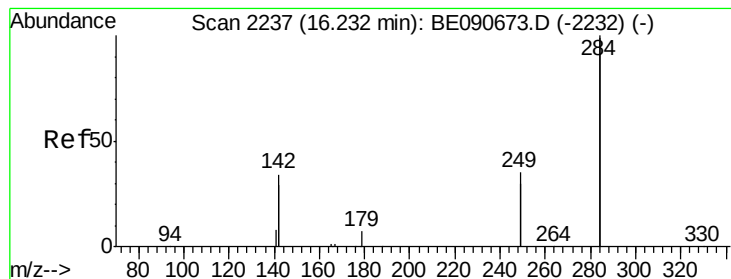
Tgt Ion:172 Resp: 114346
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 24.5 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090700.D
Acq: 2 Sep 2015 12:29

Tgt Ion:188 Resp: 261730
Ion Ratio Lower Upper
188 100
94 10.8 10.3 15.5
80 11.7 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

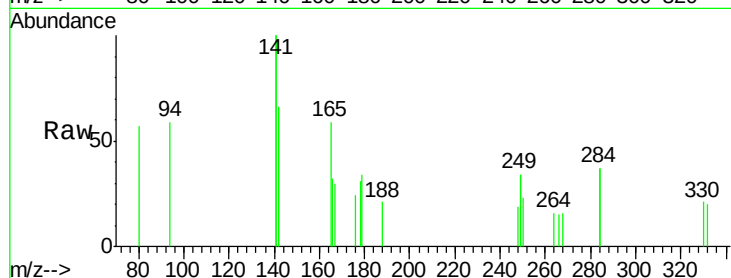
Tgt Ion:284 Resp: 119

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

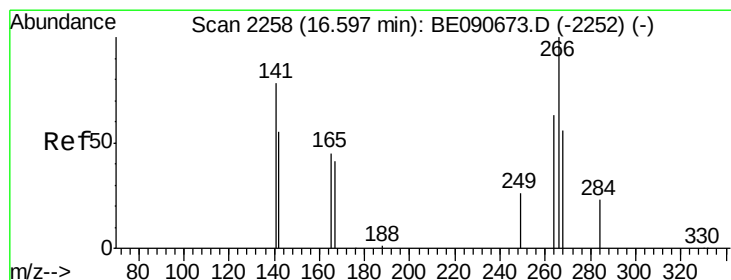
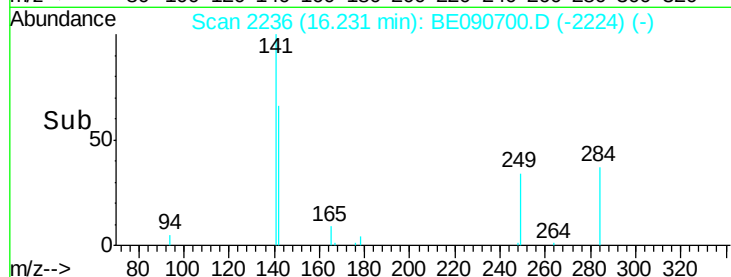
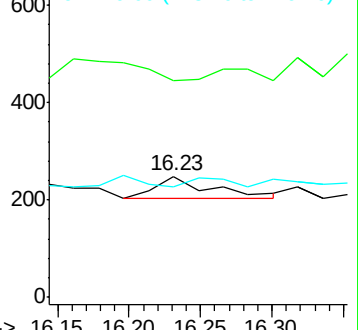
249 33.6 25.5 38.3



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: 16.65 min Scan# 2260

Delta R.T. 0.05 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

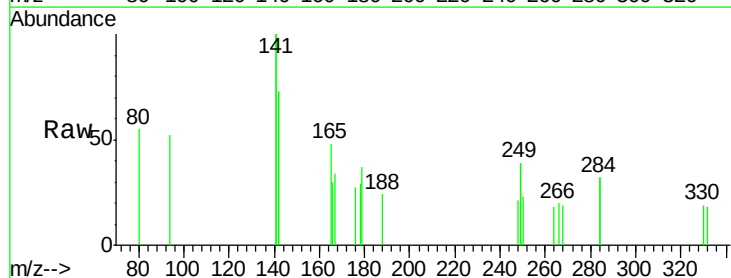
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

268 95.2 49.6 74.4#

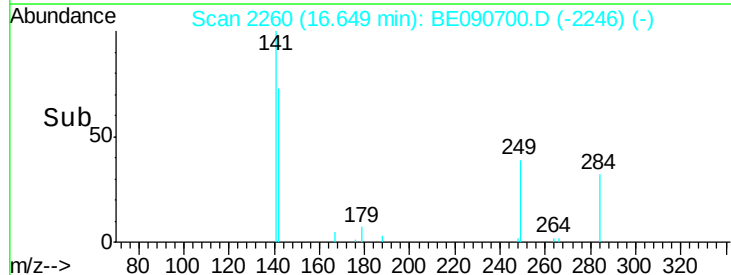
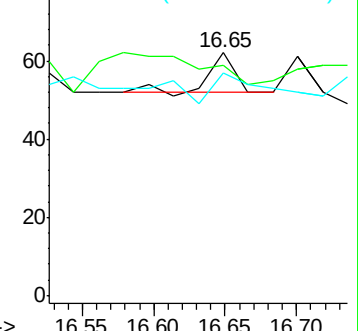
264 91.9 53.9 80.9#

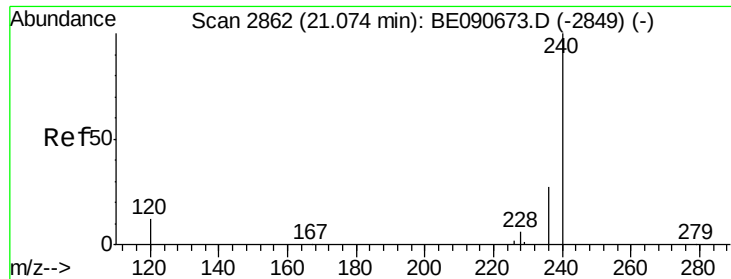


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

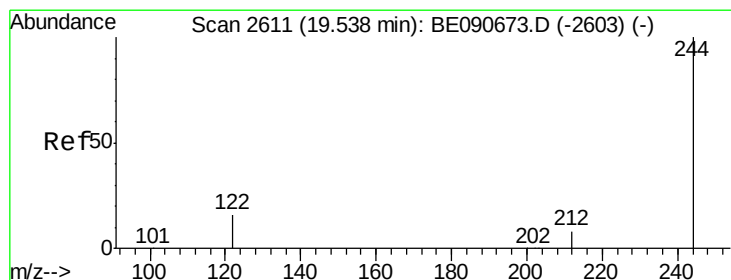
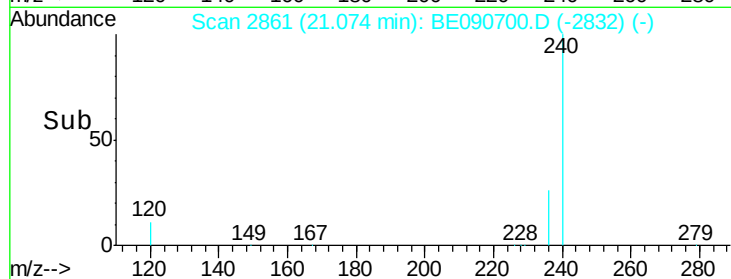
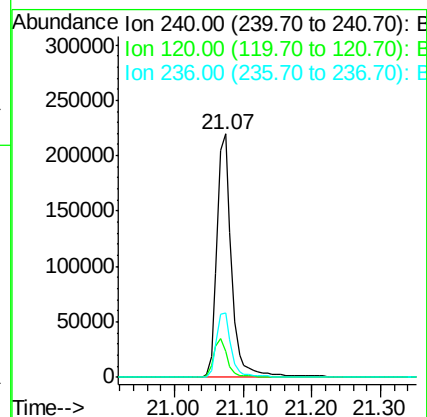
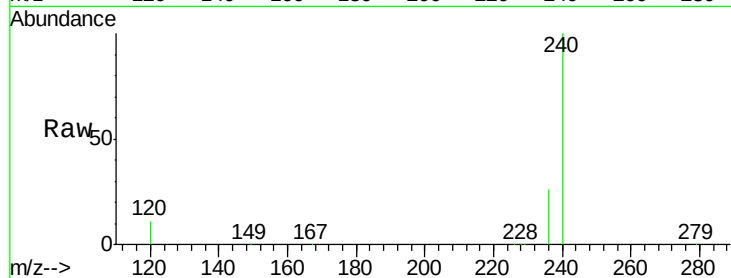




#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

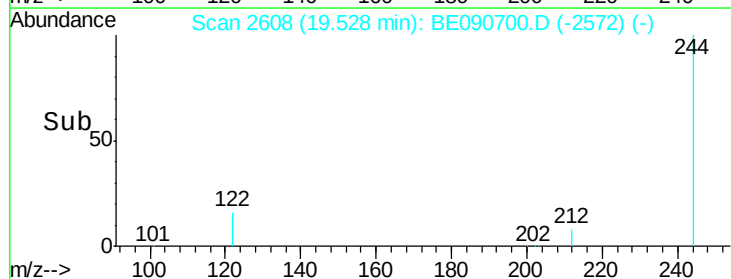
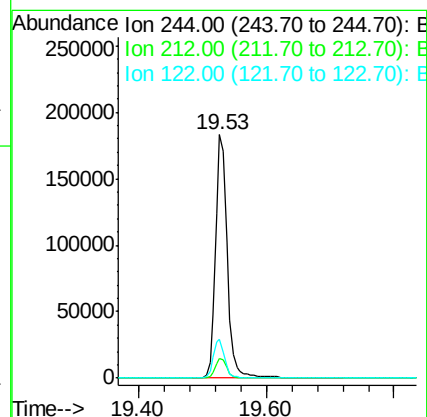
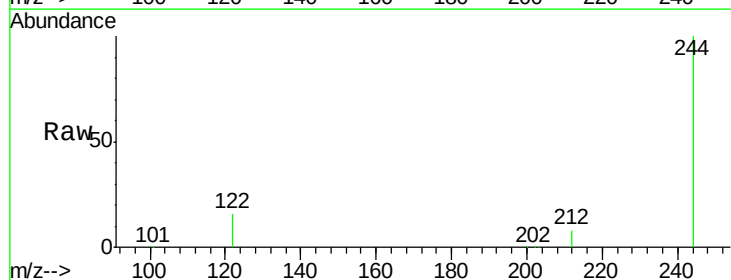
Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-U-S

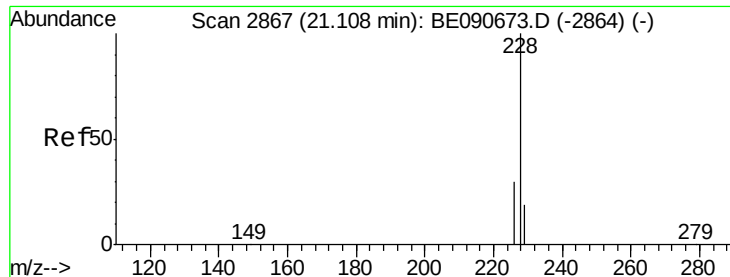
Tgt Ion:240 Resp: 325111
 Ion Ratio Lower Upper
 240 100
 120 10.8 10.1 15.1
 236 26.4 21.9 32.9



#27
 Terphenyl-d14
 Concen: 6.56 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

Tgt Ion:244 Resp: 235826
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.9 10.3
 122 15.7 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2860

Delta R.T. -0.04 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-U-S

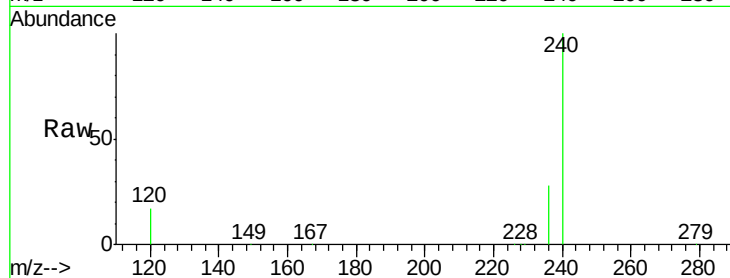
Tgt Ion:228 Resp: 1269

Ion Ratio Lower Upper

228 100

226 22.6 24.2 36.4#

229 41.1 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

21.07

800

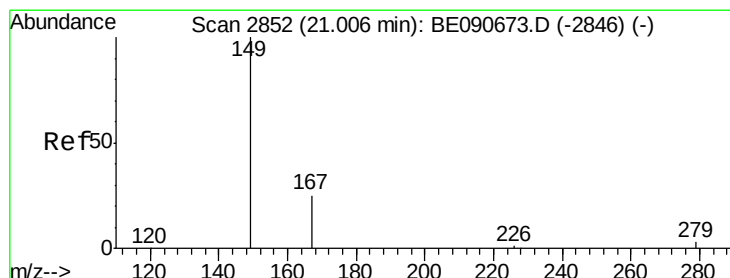
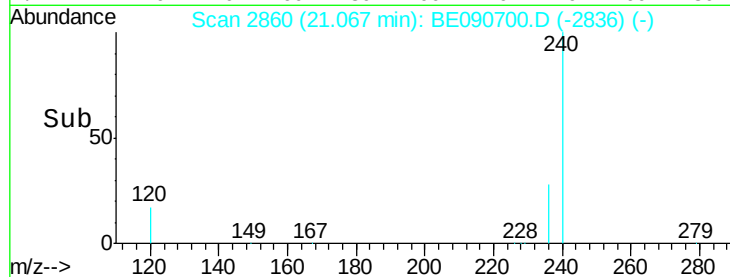
600

400

200

0

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090700.D

Acq: 2 Sep 2015 12:29

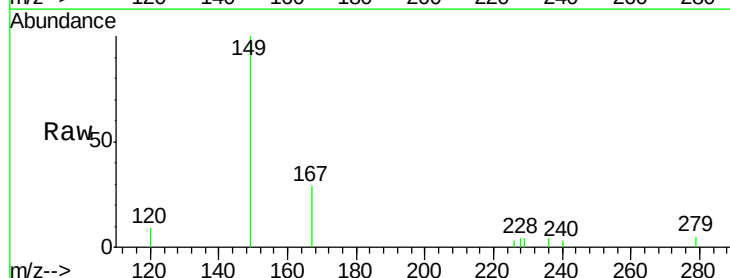
Tgt Ion:149 Resp: 2409

Ion Ratio Lower Upper

149 100

167 24.4 20.1 30.1

279 3.9 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

21.00

3000

2500

2000

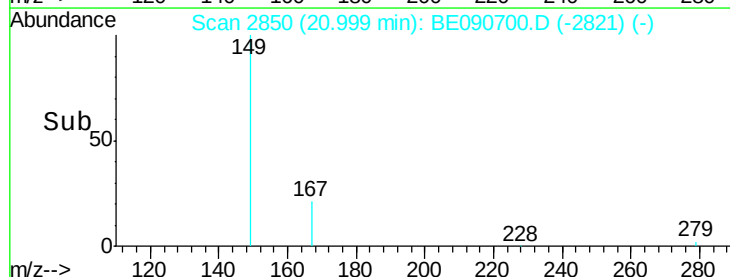
1500

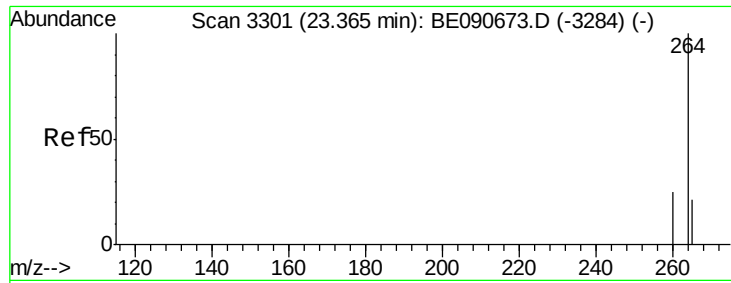
1000

500

0

Time-->

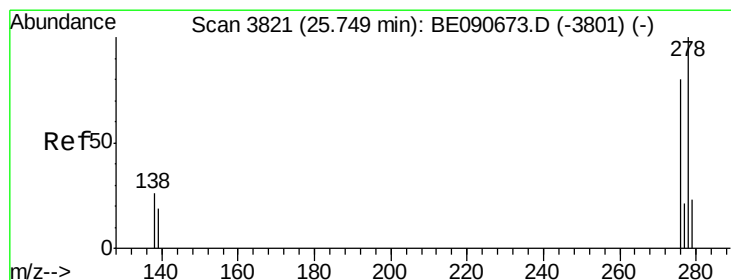
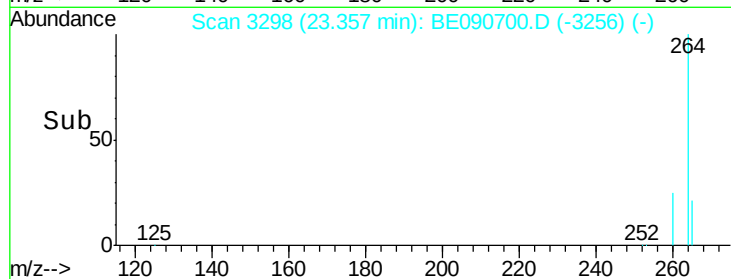
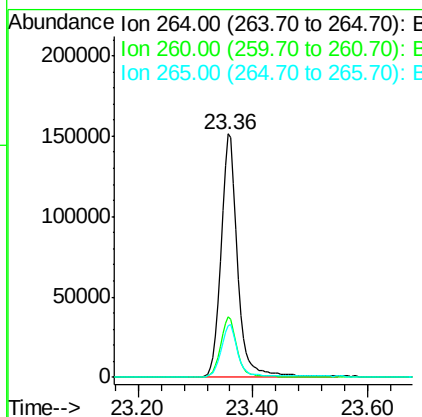
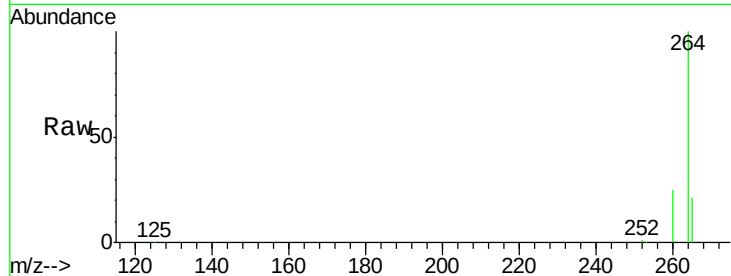




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-U-S

Tgt Ion: 264 Resp: 310215
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.3 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: BE090700.D
 Acq: 2 Sep 2015 12:29

Tgt Ion: 278 Resp: 9
 Ion Ratio Lower Upper
 278 100
 139 168.5 15.4 23.0#
 279 131.5 18.8 28.2#

