

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
 Data File : BE090779.D
 Acq On : 11 Sep 2015 1:58
 Operator : UM/IZ
 Sample : G3599-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090415-D534-F-U-M

Quant Time: Sep 11 03:38:03 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

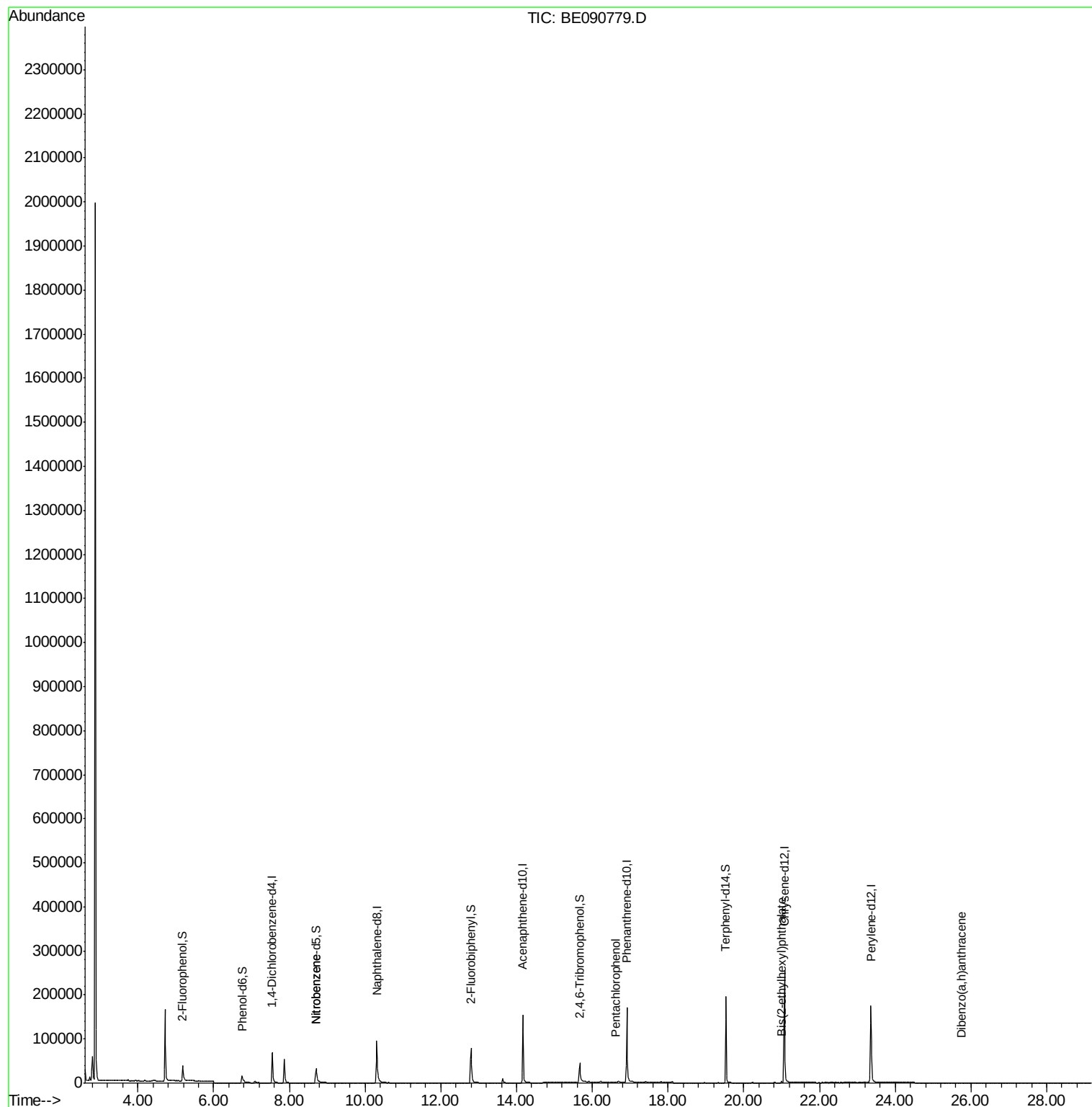
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	41210	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	179817	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	90379	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	225637	5.00	ng	0.00
25) Chrysene-d12	21.07	240	277376	5.00	ng	0.00
32) Perylene-d12	23.36	264	249209	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	35871	4.47	ng	0.00
5) Phenol-d6	6.75	99	34809	3.03	ng	0.00
7) Nitrobenzene-d5	8.71	82	54987	4.63	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	24804	9.32	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	116967	4.67	ng	0.00
27) Terphenyl-d14	19.53	244	202407	6.60	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.15	88	279	Below Cal	#	46
3) n-Nitrosodimethylamine	3.41	42	213	Below Cal	#	1
8) Nitrobenzene	8.71	77	181	0.12 ng	#	43
20) Hexachlorobenzene	16.23	284	75	Below Cal	#	1
21) Pentachlorophenol	16.61	266	19	0.47 ng	#	61
29) Chrysene	21.10	228	711	Below Cal	#	72
30) Bis(2-ethylhexyl)phthalate	21.00	149	3986	0.31 ng		98
36) Dibenzo(a,h)anthracene	25.75	278	65	0.14 ng	#	1

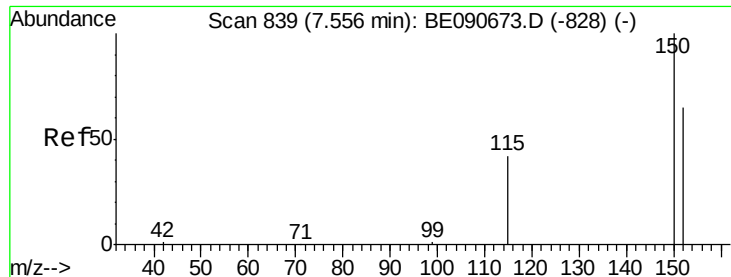
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

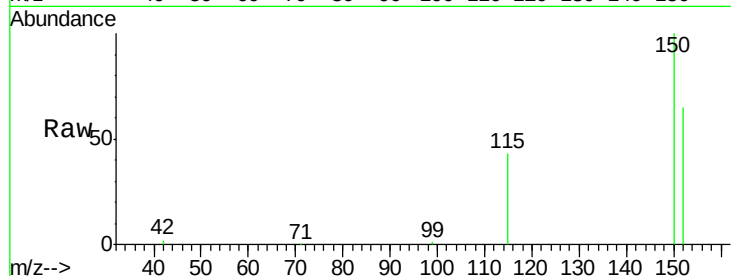
Tot Ion:152 Resp: 41210

Ion Ratio Lower Upper

152 100

150 153.8 122.2 183.4

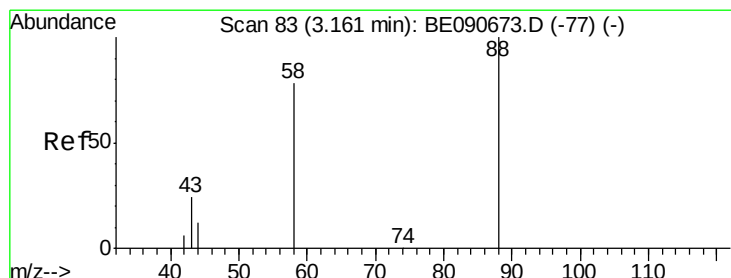
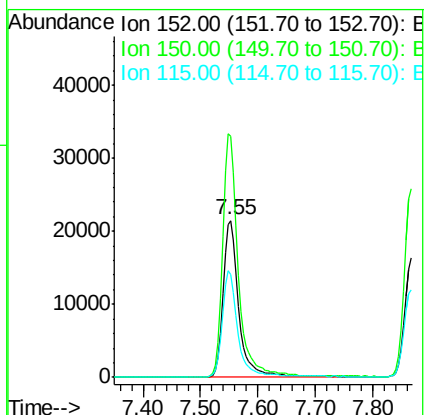
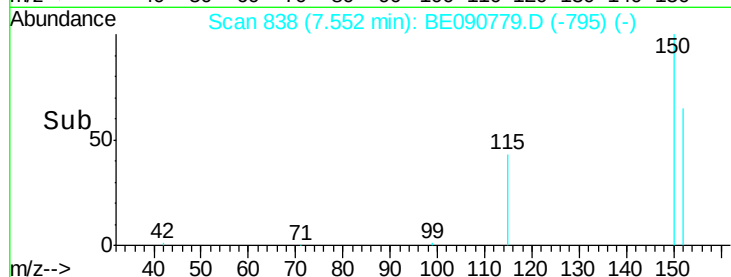
115 66.0 51.0 76.4



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: Below Cal

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

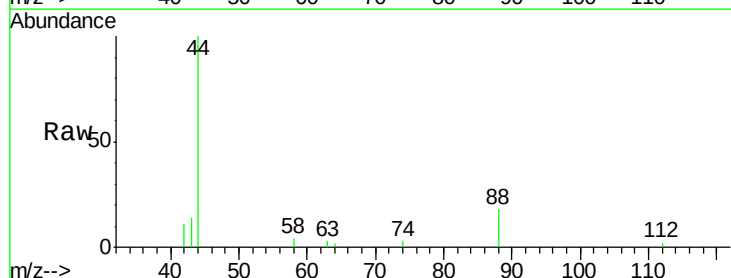
Tgt Ion: 88 Resp: 279

Ion Ratio Lower Upper

88 100

58 41.9 68.4 102.6#

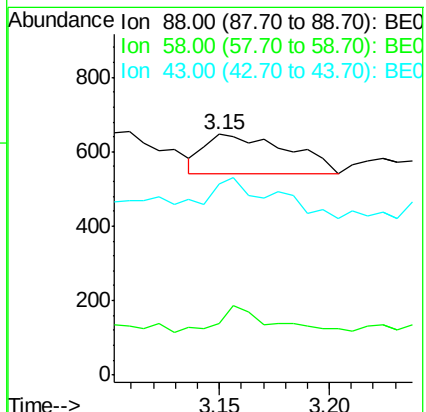
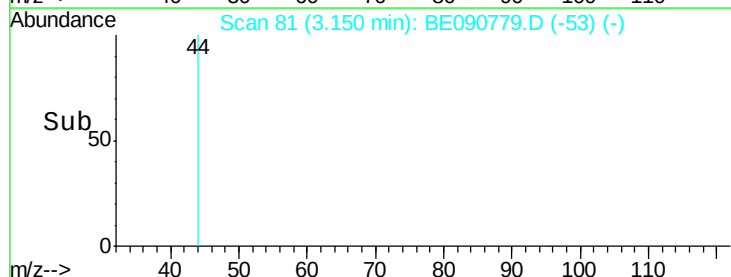
43 72.8 26.9 40.3#

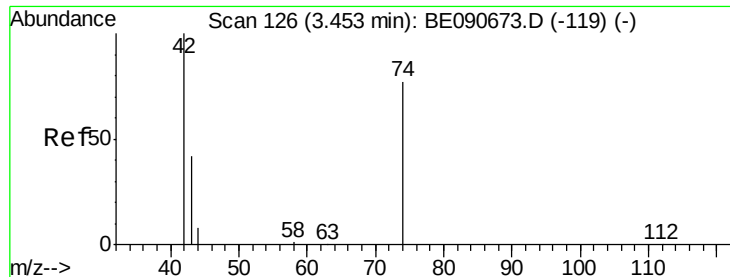


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: Below Cal

RT: 3.41 min Scan# 120

Delta R.T. -0.04 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

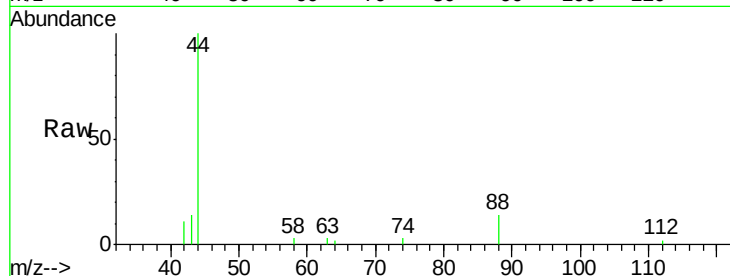
Tot Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

74 11.3 83.7 125.5#

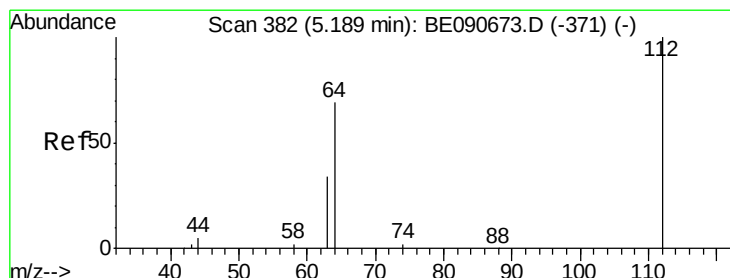
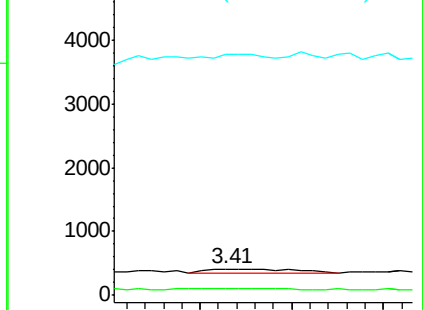
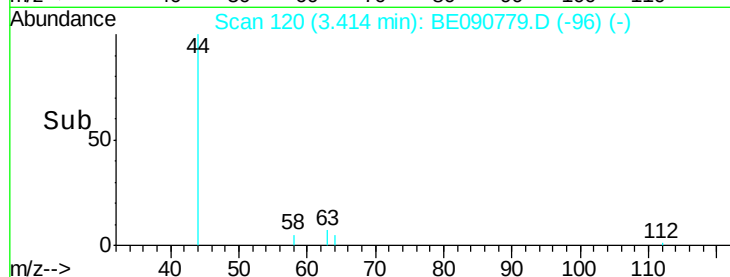
44 77.9 10.0 15.0#



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: 4.47 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

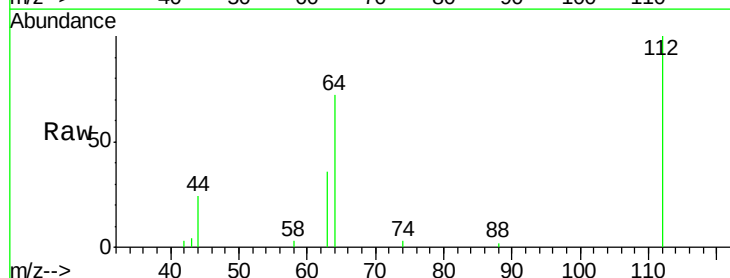
Tgt Ion: 112 Resp: 35871

Ion Ratio Lower Upper

112 100

64 72.6 57.3 85.9

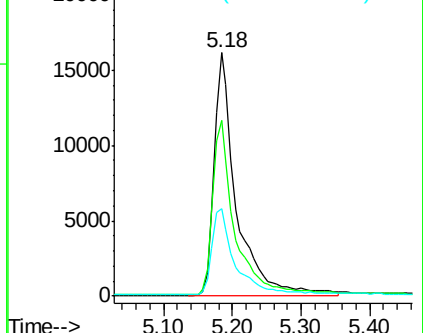
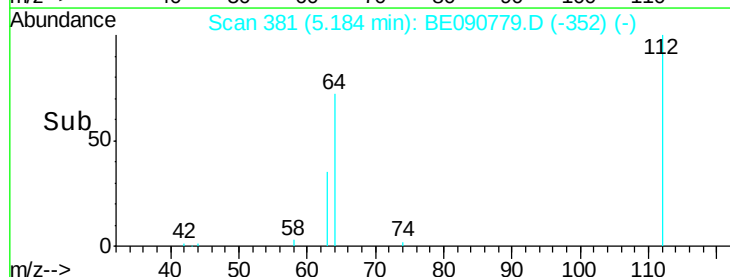
63 37.7 29.2 43.8

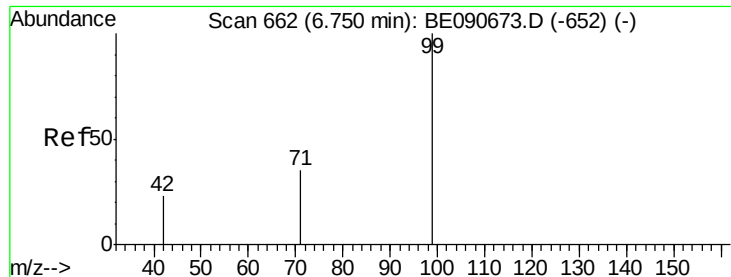


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.03 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

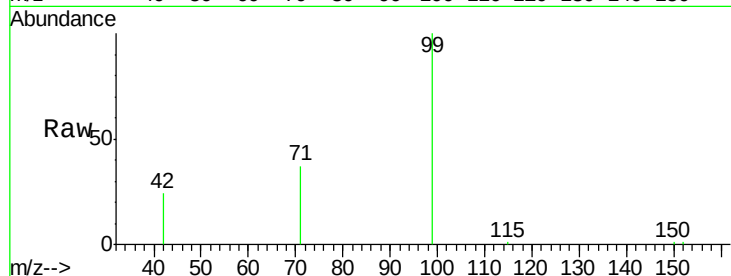
Tot Ion: 99 Resp: 34809

Ion Ratio Lower Upper

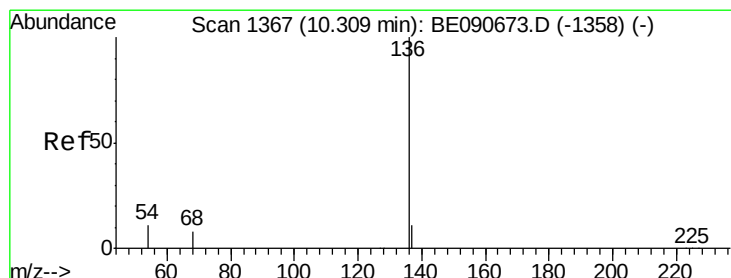
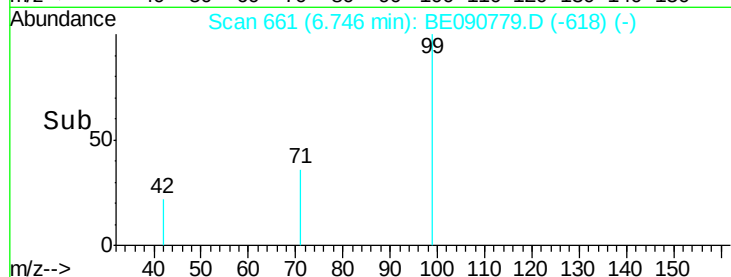
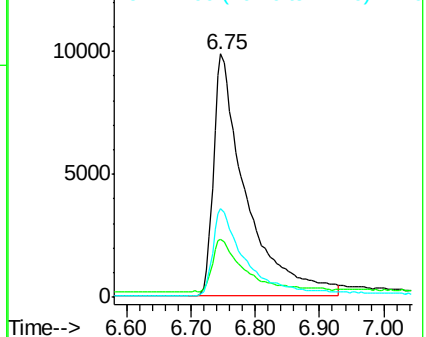
99 100

42 22.6 16.8 25.2

71 36.2 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: BE090779.D

Acq: 11 Sep 2015 1:58

Tgt Ion: 136 Resp: 179817

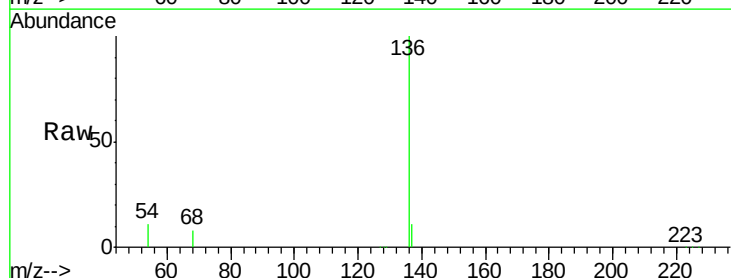
Ion Ratio Lower Upper

136 100

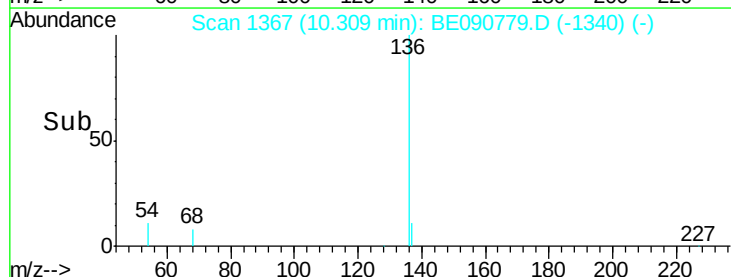
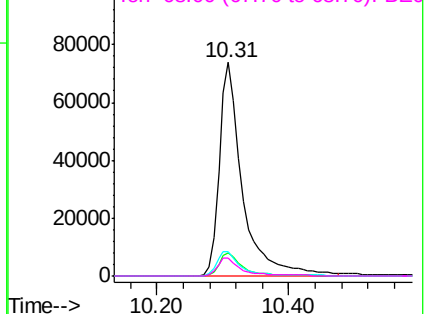
137 10.9 8.7 13.1

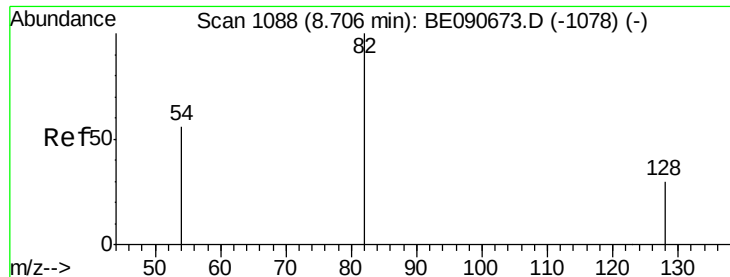
54 11.5 9.0 13.6

68 8.1 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: 4.63 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

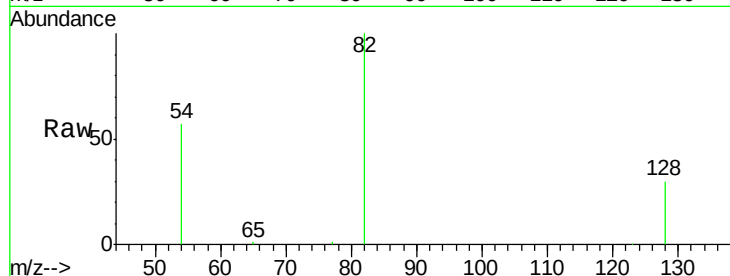
Tot Ion: 82 Resp: 54987

Ion Ratio Lower Upper

82 100

128 30.3 25.0 37.4

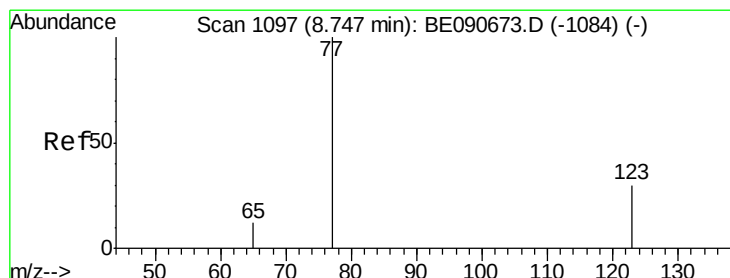
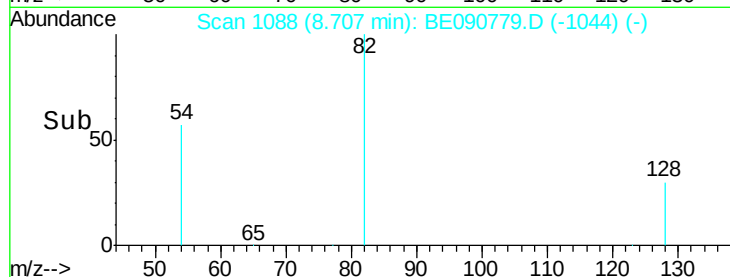
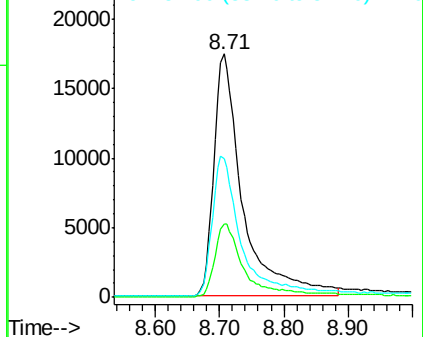
54 57.1 46.3 69.5



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: 0.12 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

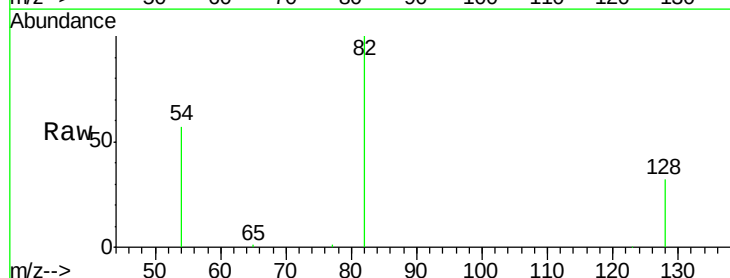
Tgt Ion: 77 Resp: 181

Ion Ratio Lower Upper

77 100

123 3.3 25.1 37.7#

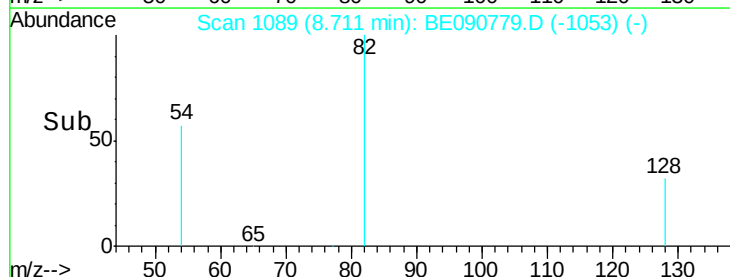
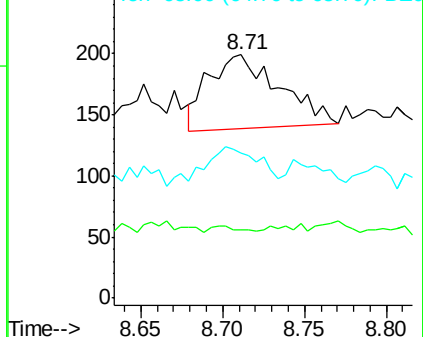
65 41.4 9.9 14.9#

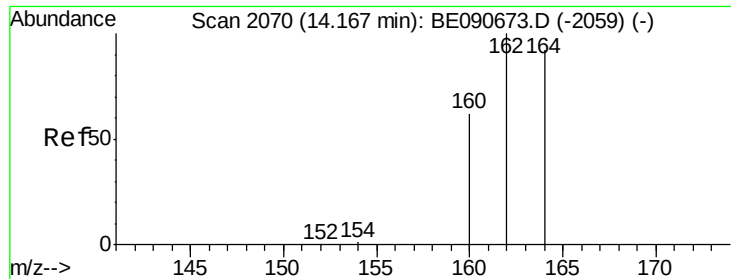


Abundance Ion 77.00 (76.70 to 77.70): BE0

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: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

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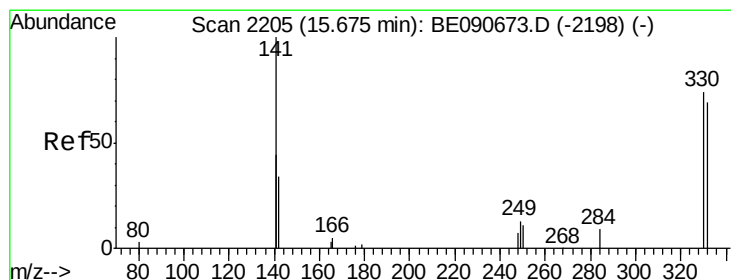
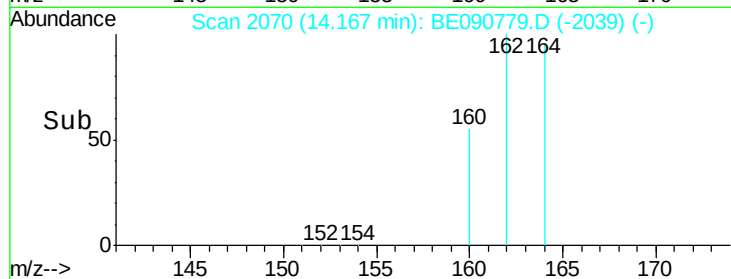
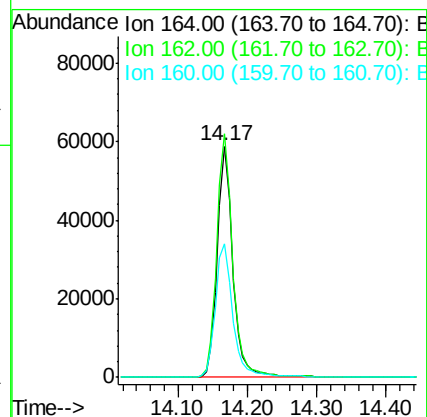
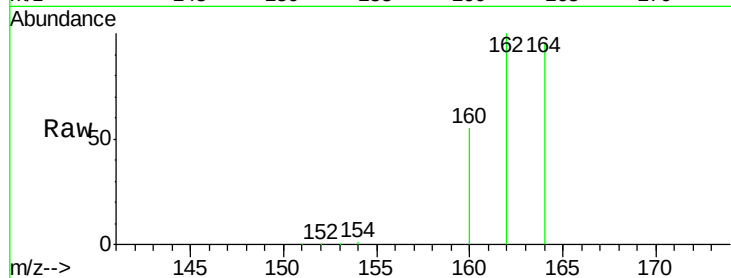
Tot Ion:164 Resp: 90379

Ion Ratio Lower Upper

164 100

162 105.5 86.8 130.2

160 58.0 53.9 80.9



#13

2,4,6-Tribromophenol

Concen: 9.32 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

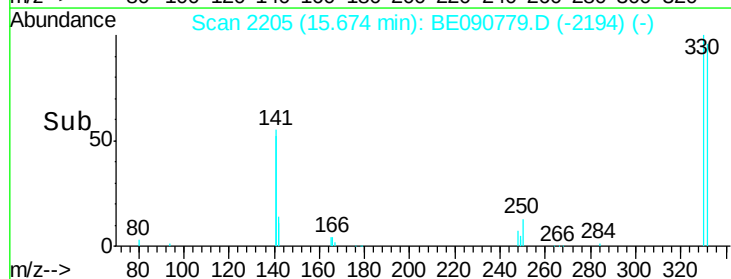
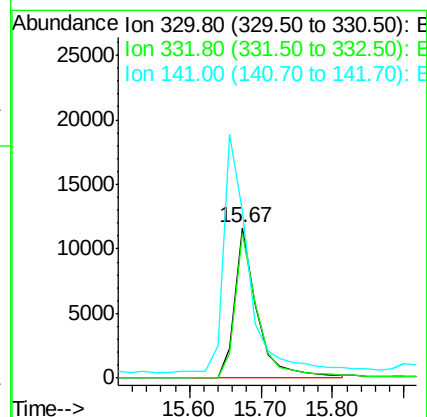
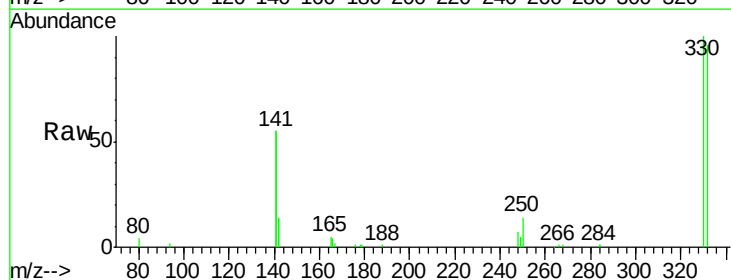
Tgt Ion:330 Resp: 24804

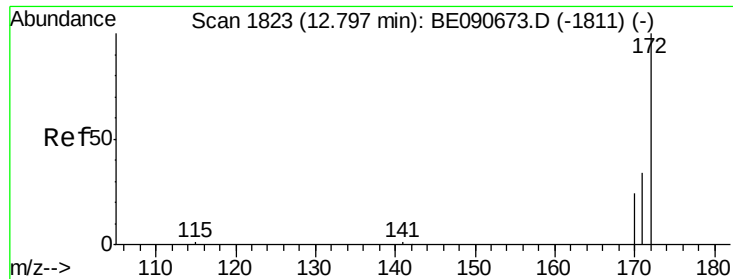
Ion Ratio Lower Upper

330 100

332 97.1 74.9 112.3

141 177.3 145.2 217.8

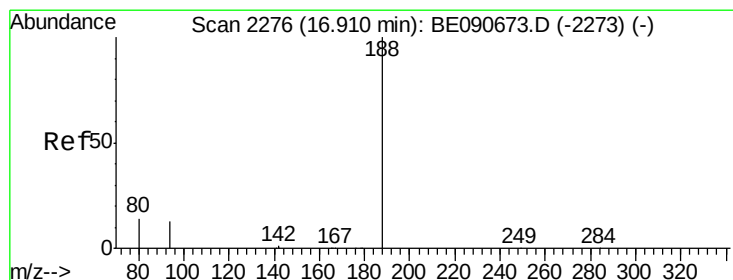
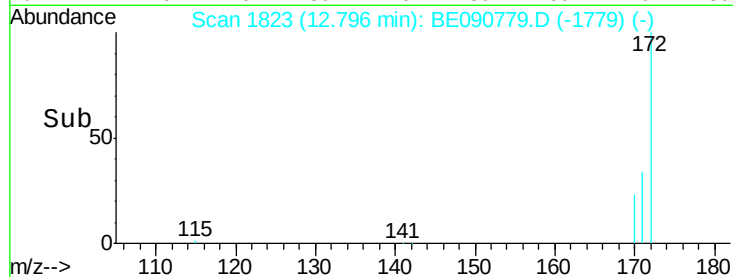
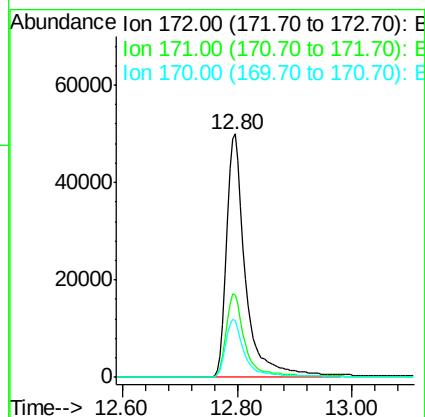
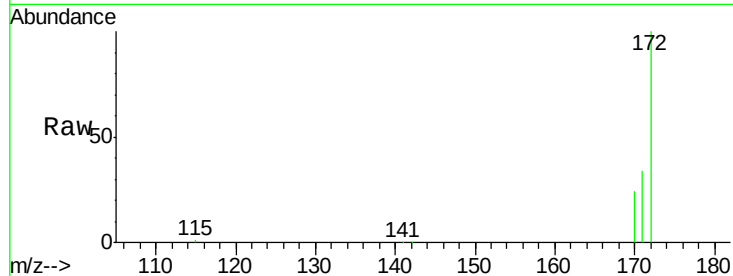




#14
2-Fluorobiphenyl
Concen: 4.67 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090779.D
Acq: 11 Sep 2015 1:58

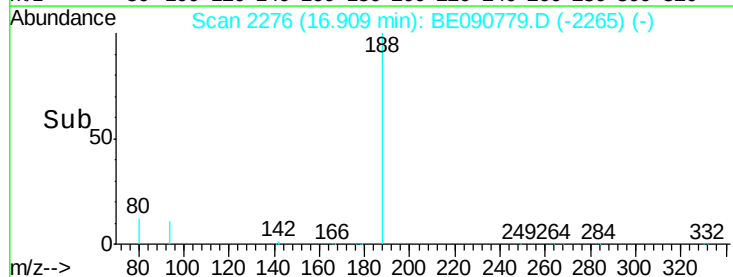
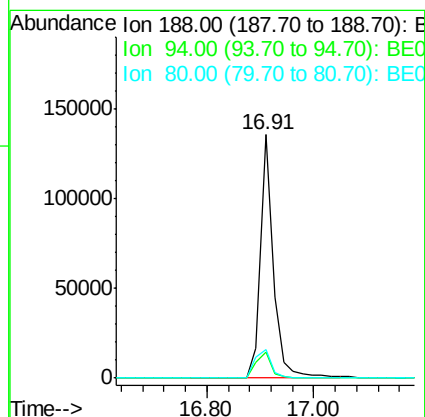
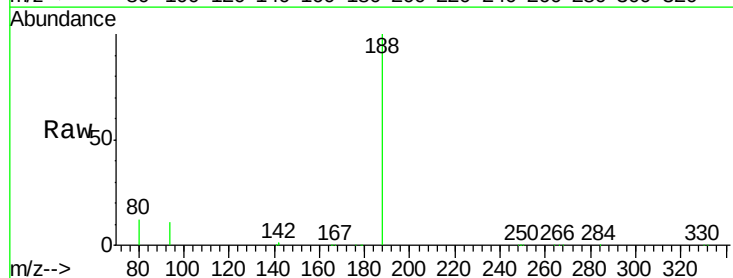
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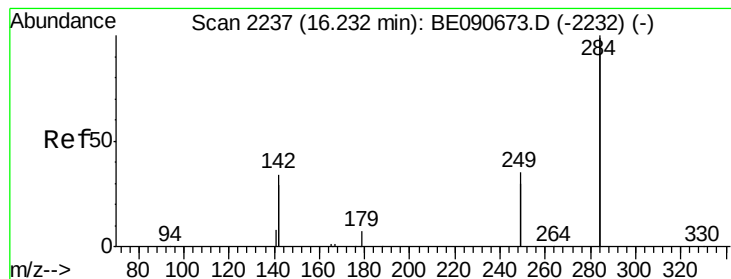
Tot Ion:172 Resp: 116967
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.8
170 23.6 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090779.D
Acq: 11 Sep 2015 1:58

Tgt Ion:188 Resp: 225637
Ion Ratio Lower Upper
188 100
94 10.9 10.3 15.5
80 11.9 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

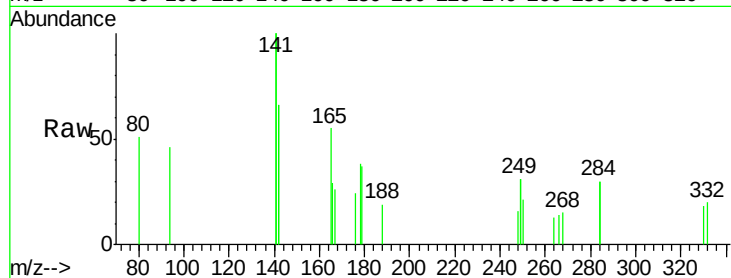
Tot Ion:284 Resp: 75

Ion Ratio Lower Upper

284 100

142 422.7 35.0 52.4#

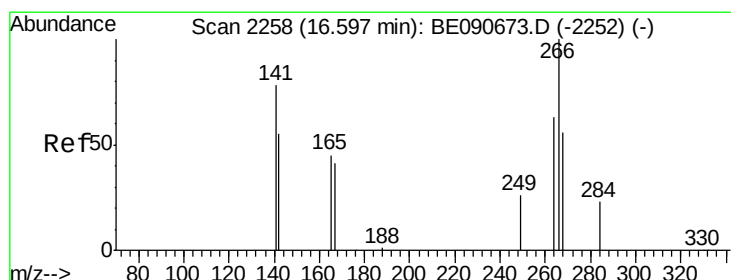
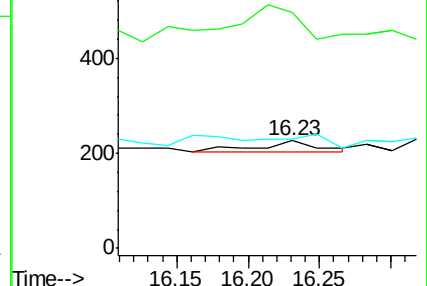
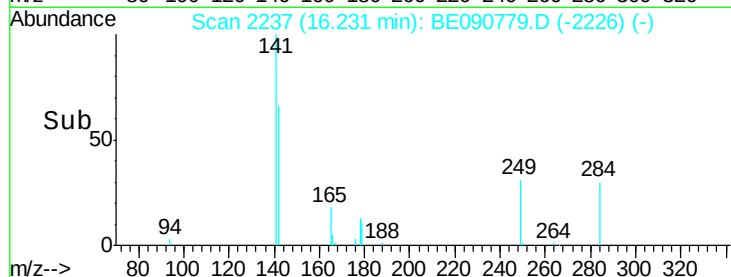
249 0.0 25.5 38.3#



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: 0.47 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

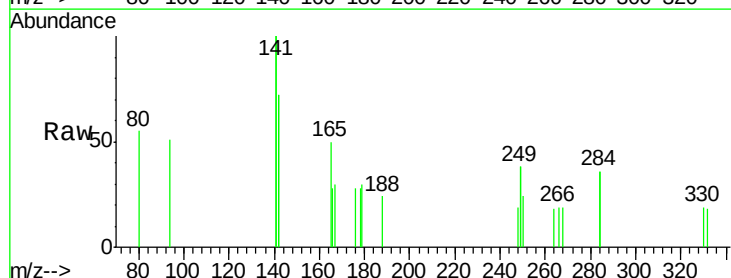
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

268 98.3 49.6 74.4#

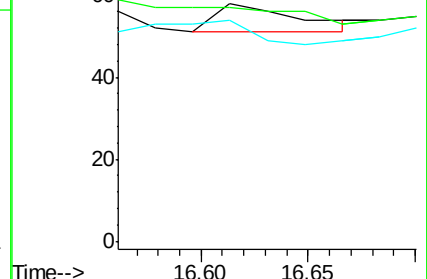
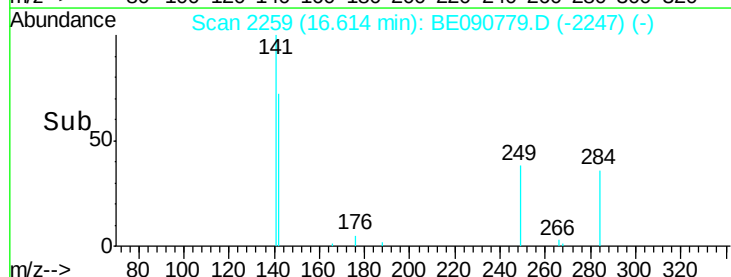
264 93.1 53.9 80.9#

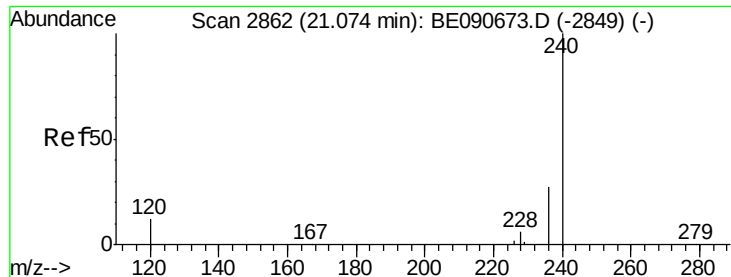


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

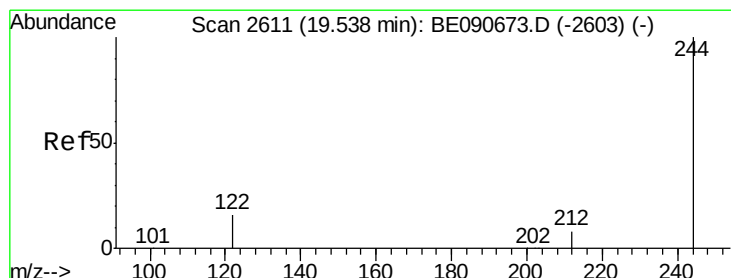
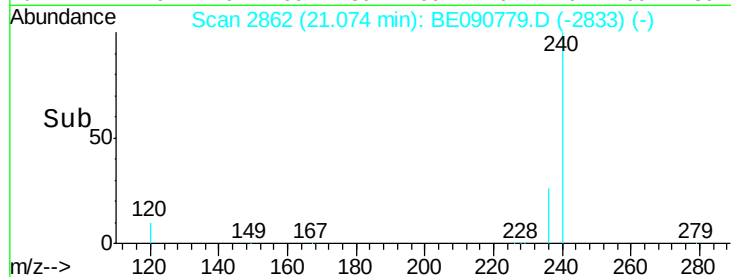
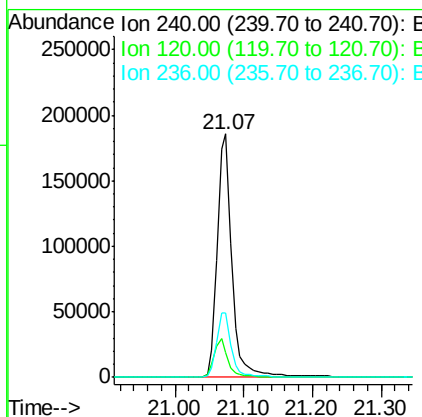
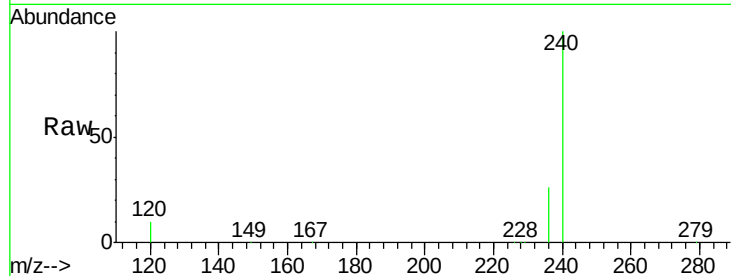




#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: BE090779.D
 Acq: 11 Sep 2015 1:58

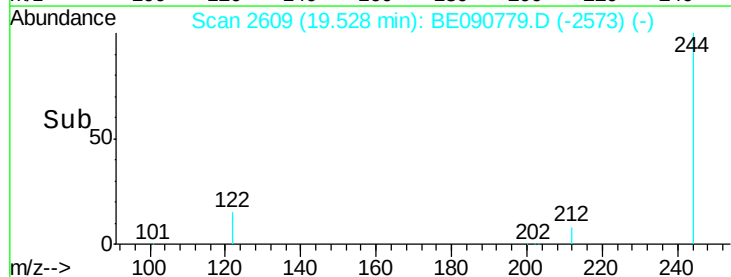
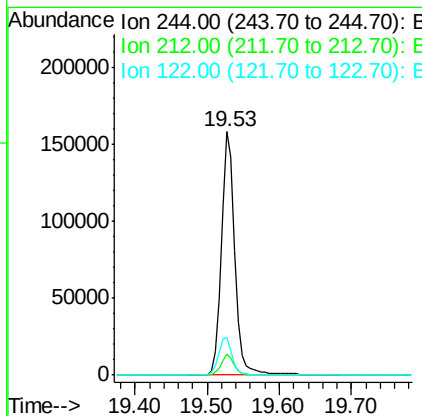
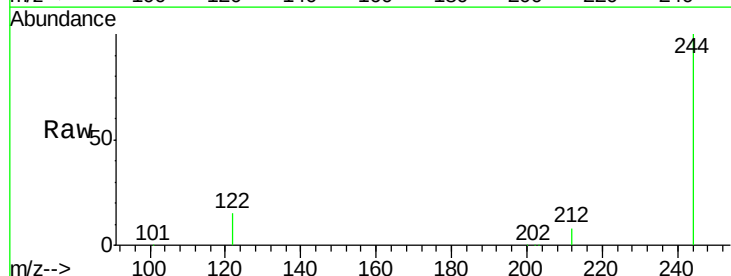
Instrument :
 BNA_E
 ClientSampleId :
 090415-D534-F-U-M

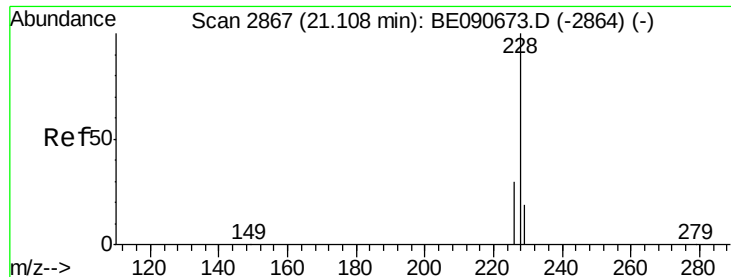
Tot Ion:240 Resp: 277376
 Ion Ratio Lower Upper
 240 100
 120 10.2 10.1 15.1
 236 26.5 21.9 32.9



#27
 Terphenyl-d14
 Concen: 6.60 ng
 RT: 19.53 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BE090779.D
 Acq: 11 Sep 2015 1:58

Tgt Ion:244 Resp: 202407
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.9 10.3
 122 15.3 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-M

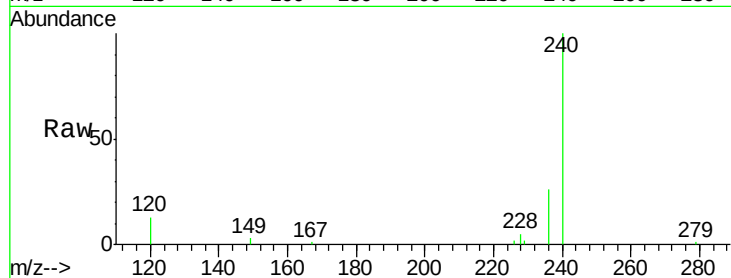
Tot Ion:228 Resp: 711

Ion Ratio Lower Upper

228 100

226 43.2 24.2 36.4#

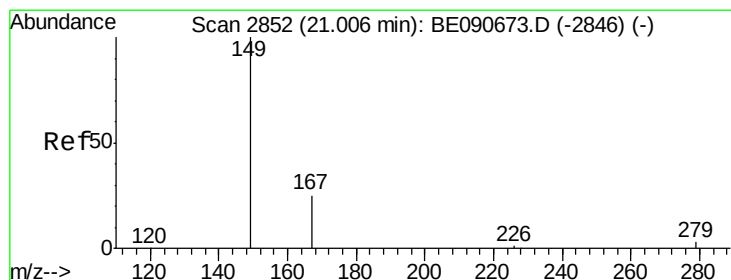
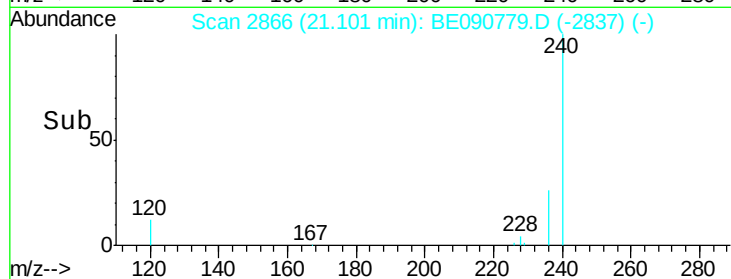
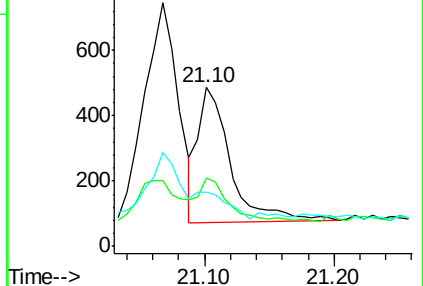
229 34.6 15.3 22.9#



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: 0.31 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090779.D

Acq: 11 Sep 2015 1:58

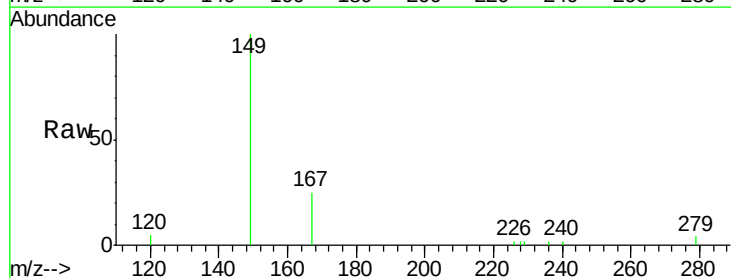
Tgt Ion:149 Resp: 3986

Ion Ratio Lower Upper

149 100

167 23.9 20.1 30.1

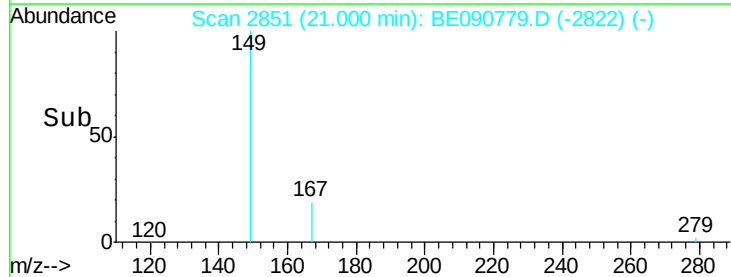
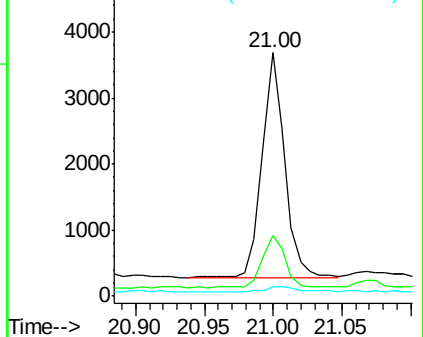
279 3.2 2.3 3.5

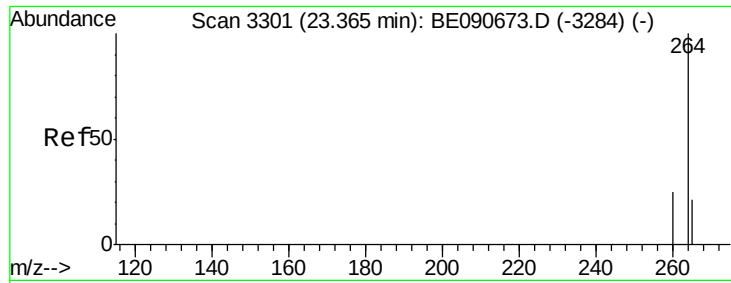


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

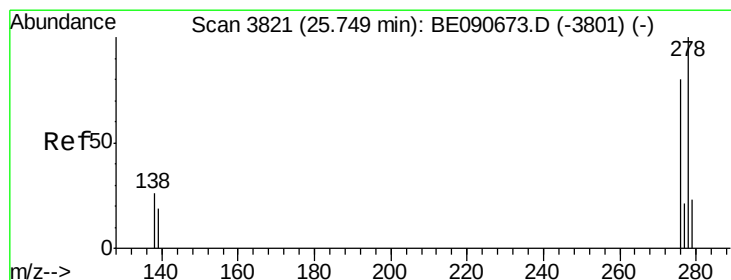
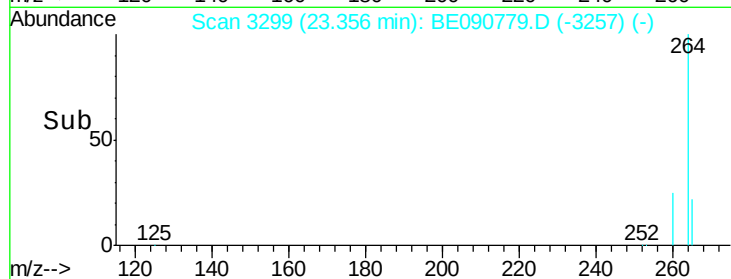
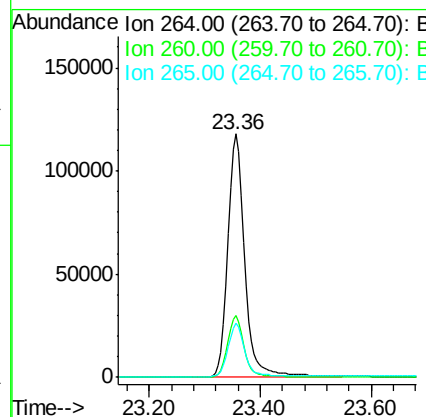
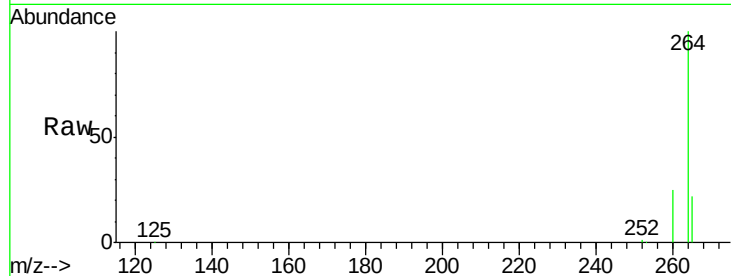




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090779.D
Acq: 11 Sep 2015 1:58

Instrument :
BNA_E
ClientSampleId :
090415-D534-F-U-M

Tot Ion:264 Resp: 249209
Ion Ratio Lower Upper
264 100
260 25.2 19.7 29.5
265 22.0 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3822
Delta R.T. 0.01 min
Lab File: BE090779.D
Acq: 11 Sep 2015 1:58

Tgt Ion:278 Resp: 65
Ion Ratio Lower Upper
278 100
139 127.2 15.4 23.0#
279 109.8 18.8 28.2#

