

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091115\
 Data File : BE090789.D
 Acq On : 11 Sep 2015 17:53
 Operator : UM/IZ
 Sample : G3617-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090915-D534-E-U-S

Quant Time: Sep 11 23:14:20 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	47253	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	217033	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	117872	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	291575	5.00	ng	0.00
25) Chrysene-d12	21.07	240	355624	5.00	ng	0.00
32) Perylene-d12	23.36	264	325391	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	24134	2.63	ng	0.00
5) Phenol-d6	6.75	99	22034	1.67	ng	0.00
7) Nitrobenzene-d5	8.71	82	40354	2.81	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	19481	5.68	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	94705	2.90	ng	0.00
27) Terphenyl-d14	19.53	244	175137	4.45	ng	-0.01

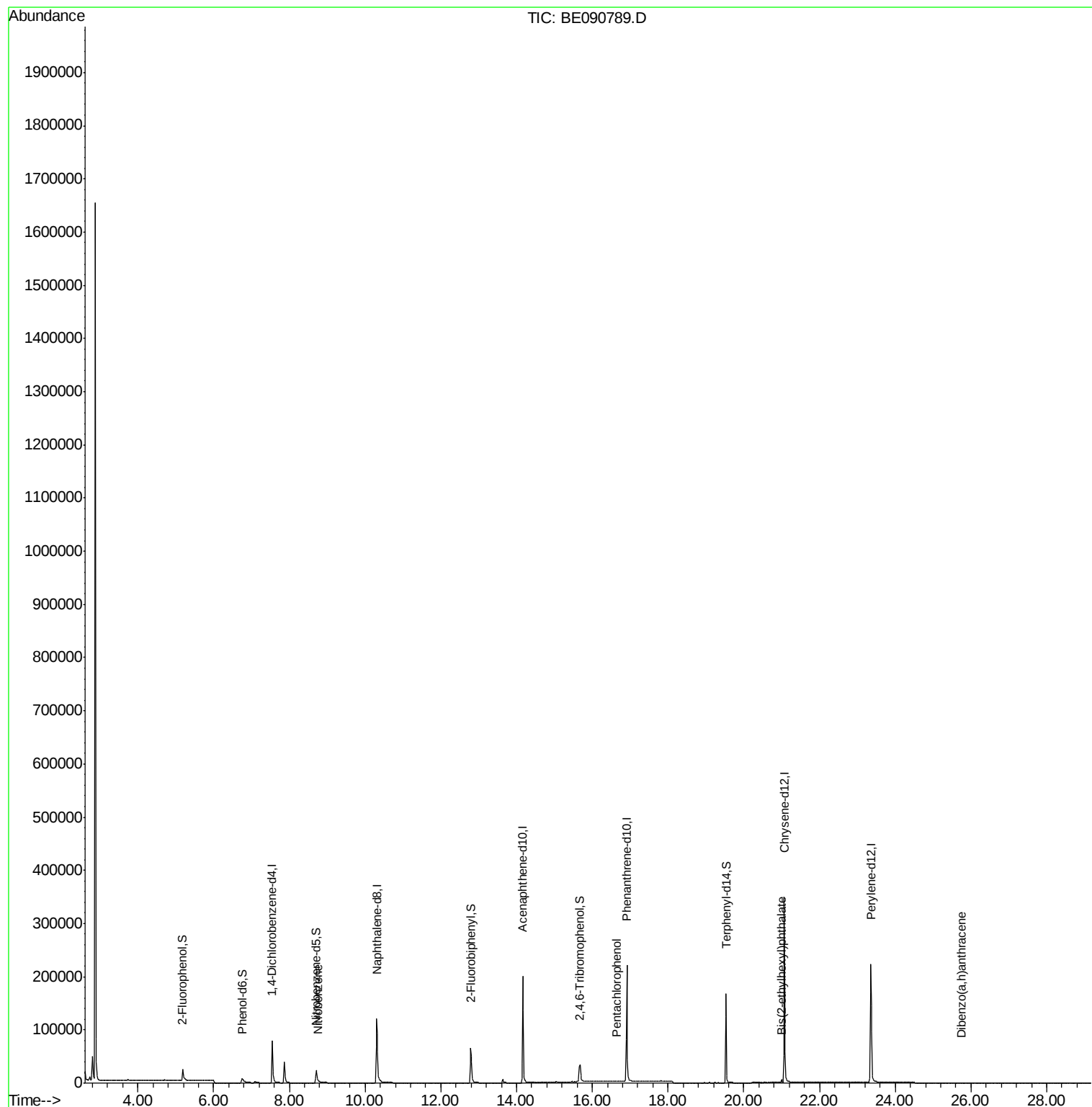
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	173	Below Cal	#	41
3) n-Nitrosodimethylamine	3.44	42	39	Below Cal	#	1
8) Nitrobenzene	8.75	77	16	0.11 ng	#	30
20) Hexachlorobenzene	16.23	284	67	Below Cal	#	1
21) Pentachlorophenol	16.65	266	53	0.47 ng	#	66
28) Benzo(a)anthracene	21.07	228	1203	Below Cal	#	76
29) Chrysene	21.11	228	367	Below Cal	#	52
30) Bis(2-ethylhexyl)phthalate	21.00	149	5165	0.31 ng		100
36) Dibenzo(a,h)anthracene	25.75	278	7	0.14 ng	#	1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090789.D

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Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

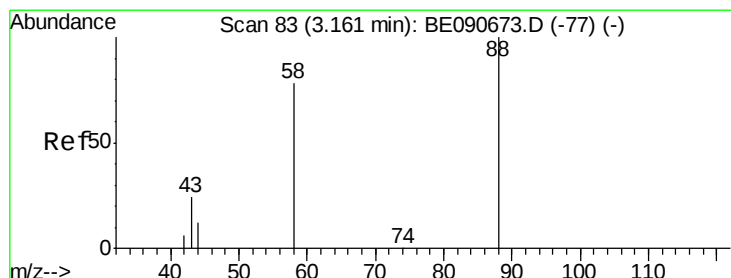
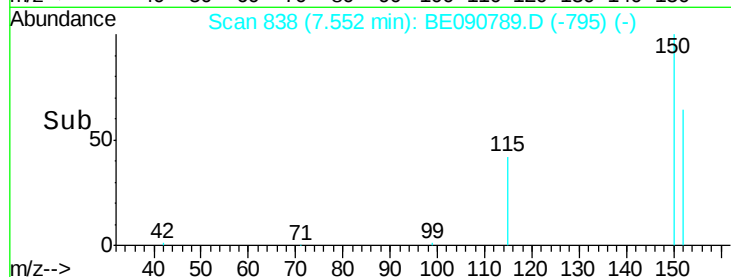
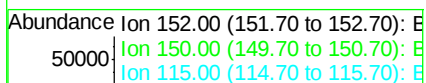
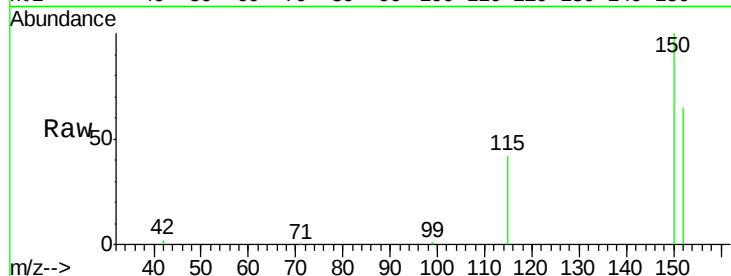
Tot Ion:152 Resp: 47253

Ion Ratio Lower Upper

152 100

150 155.0 122.2 183.4

115 64.8 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.17 min Scan# 84

Delta R.T. 0.01 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

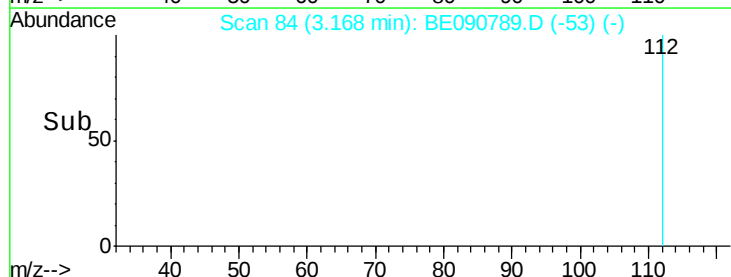
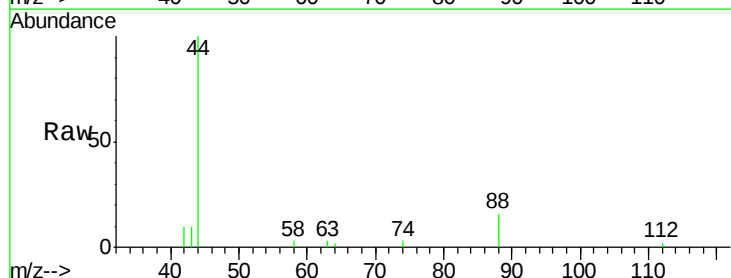
Tgt Ion: 88 Resp: 173

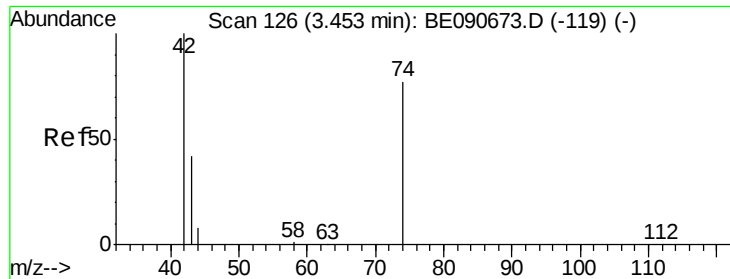
Ion Ratio Lower Upper

88 100

58 31.8 68.4 102.6#

43 0.0 26.9 40.3#



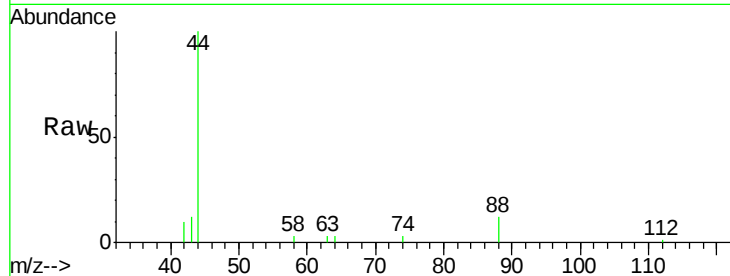


#3

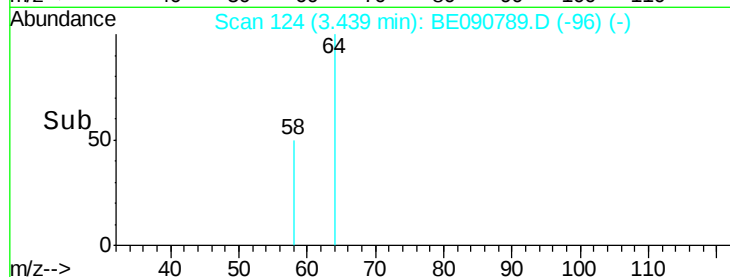
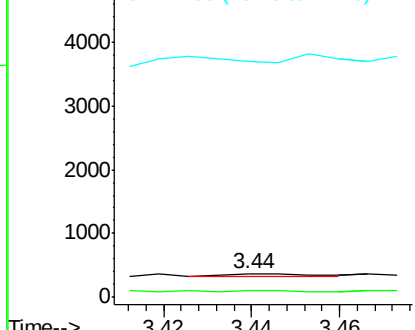
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090789.D
 Acq: 11 Sep 2015 17:53

Instrument :
 BNA_E
 ClientSampleId :
 090915-D534-E-U-S

Tot Ion: 42 Resp: 39
 Ion Ratio Lower Upper
 42 100
 74 28.2 83.7 125.5#
 44 187.2 10.0 15.0#



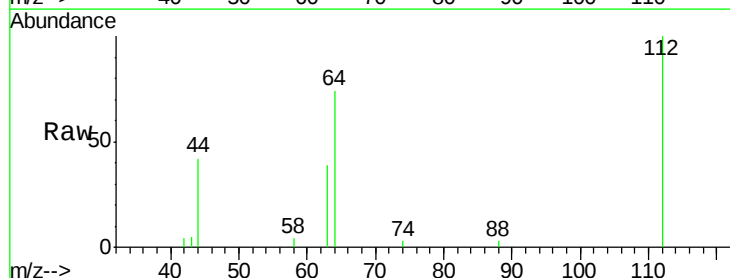
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



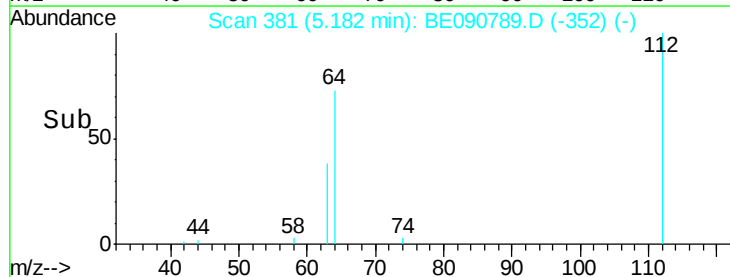
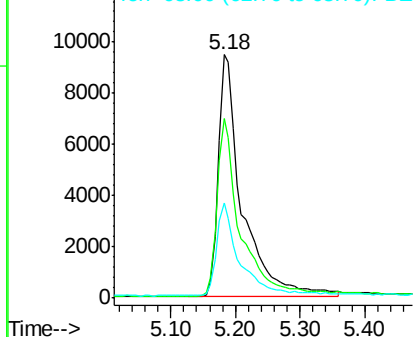
#4

2-Fluorophenol
 Concen: 2.63 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090789.D
 Acq: 11 Sep 2015 17:53

Tgt Ion: 112 Resp: 24134
 Ion Ratio Lower Upper
 112 100
 64 71.4 57.3 85.9
 63 37.3 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: 1.67 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

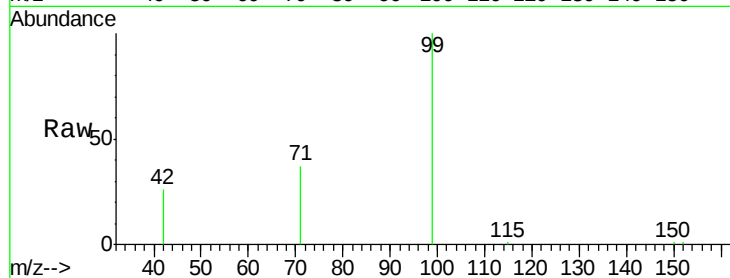
Tot Ion: 99 Resp: 22034

Ion Ratio Lower Upper

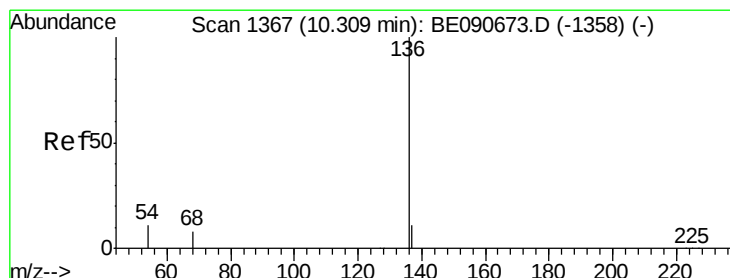
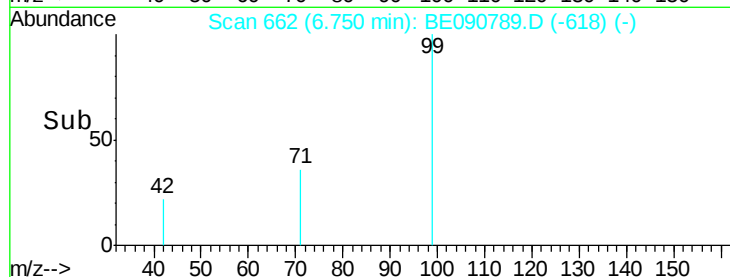
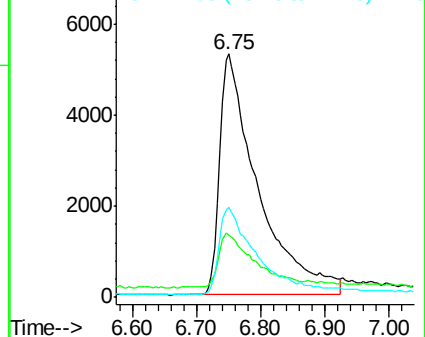
99 100

42 20.9 16.8 25.2

71 36.4 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: BE090789.D

Acq: 11 Sep 2015 17:53

Tgt Ion: 136 Resp: 217033

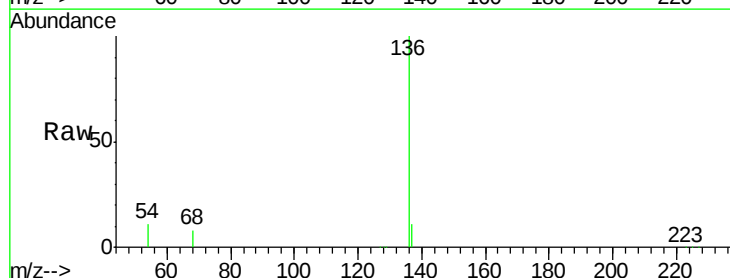
Ion Ratio Lower Upper

136 100

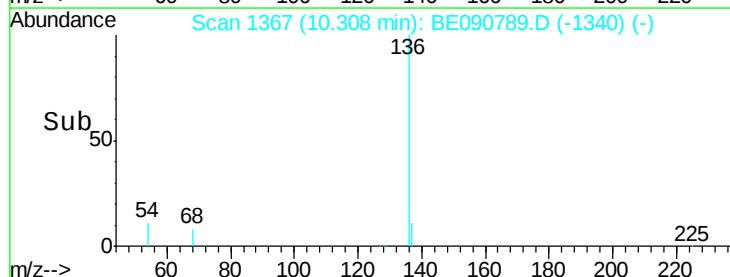
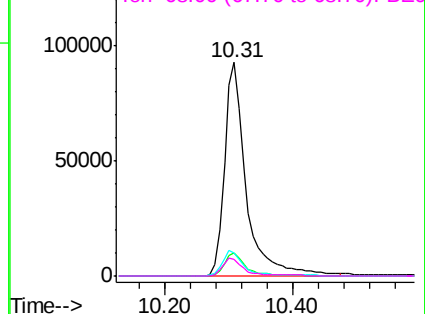
137 11.0 8.7 13.1

54 10.9 9.0 13.6

68 7.9 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: 2.81 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

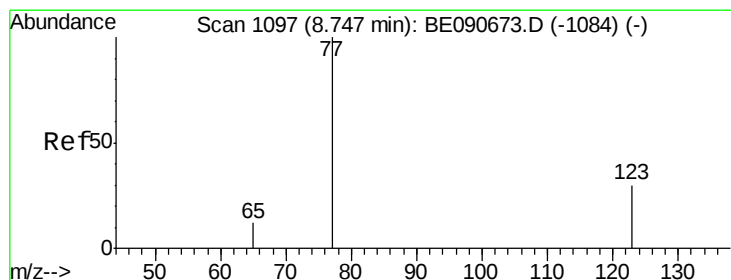
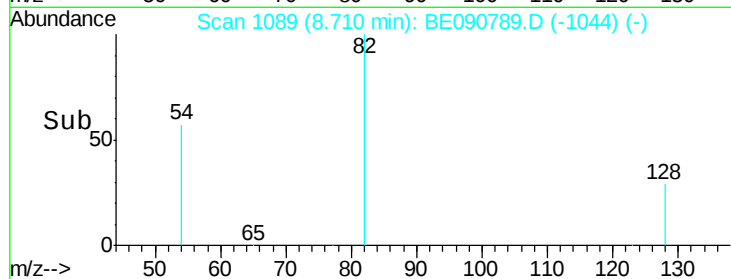
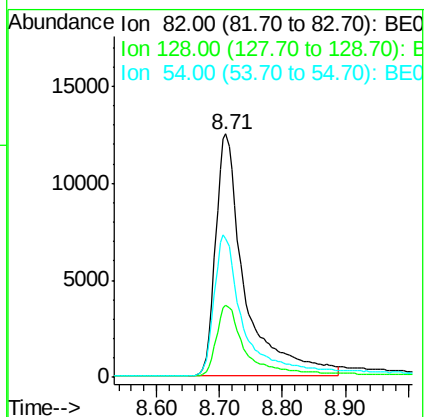
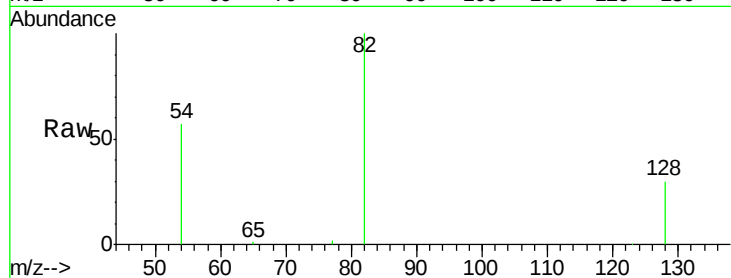
Tot Ion: 82 Resp: 40354

Ion Ratio Lower Upper

82 100

128 29.8 25.0 37.4

54 57.2 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.75 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

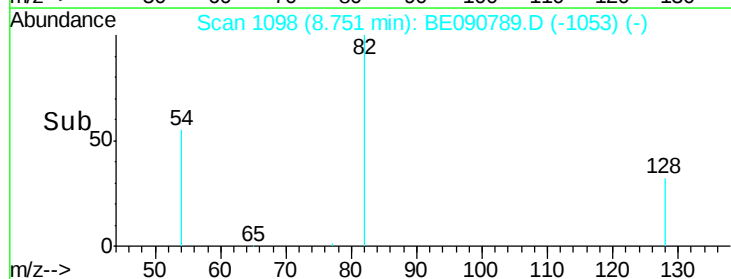
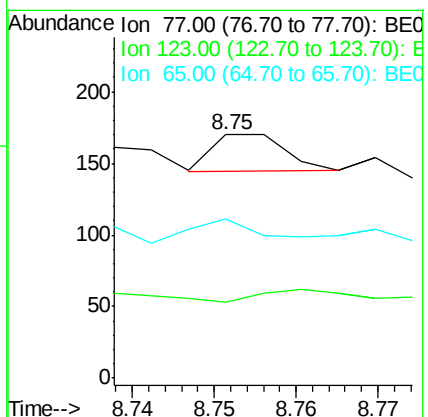
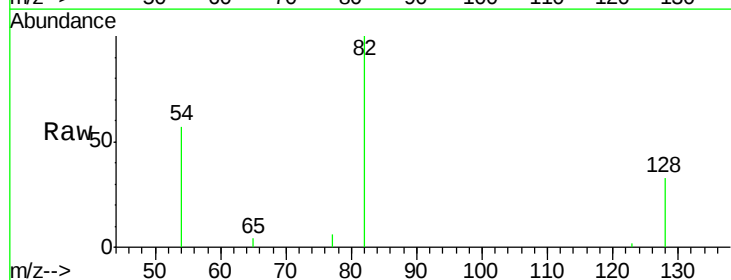
Tgt Ion: 77 Resp: 16

Ion Ratio Lower Upper

77 100

123 43.8 25.1 37.7#

65 87.5 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: BE090789.D

Acq: 11 Sep 2015 17:53

Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

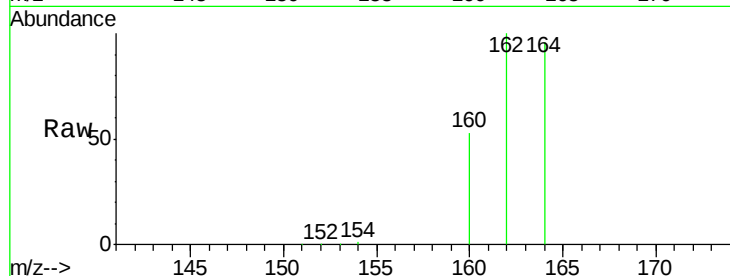
Tot Ion:164 Resp: 117872

Ion Ratio Lower Upper

164 100

162 104.4 86.8 130.2

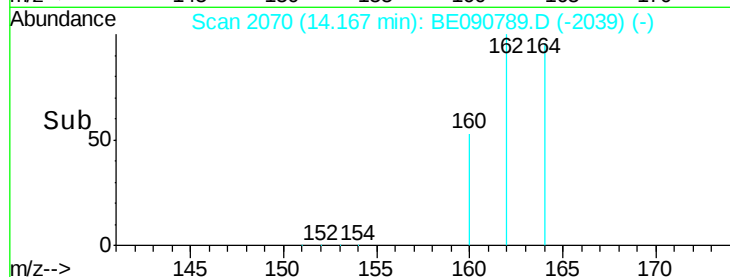
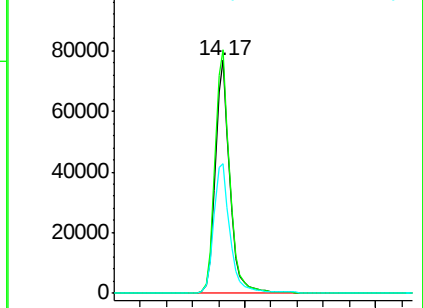
160 55.8 53.9 80.9



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: 5.68 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

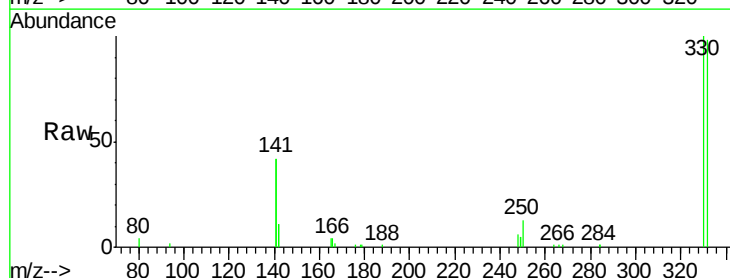
Tgt Ion:330 Resp: 19481

Ion Ratio Lower Upper

330 100

332 96.5 74.9 112.3

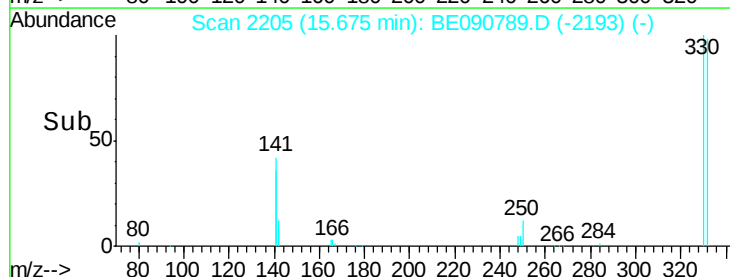
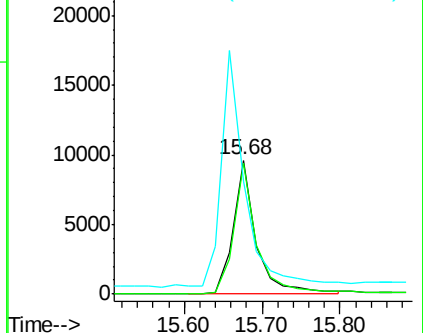
141 182.1 145.2 217.8



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

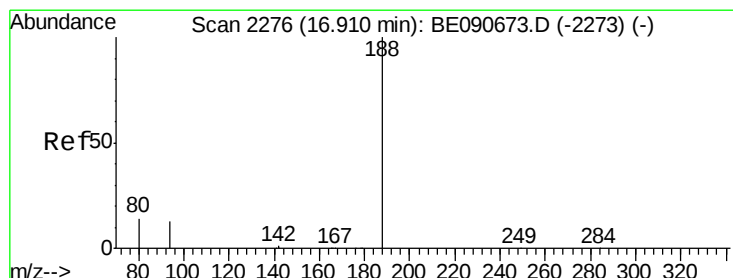
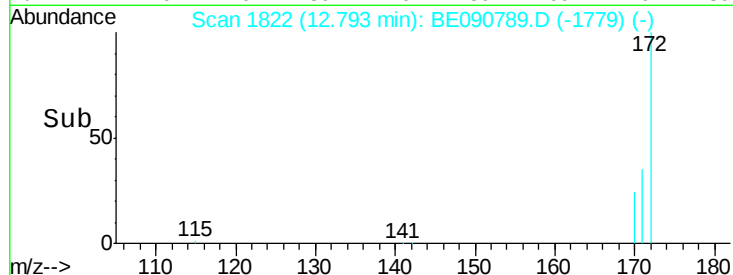
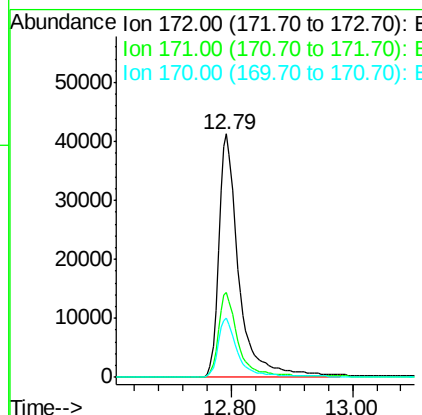
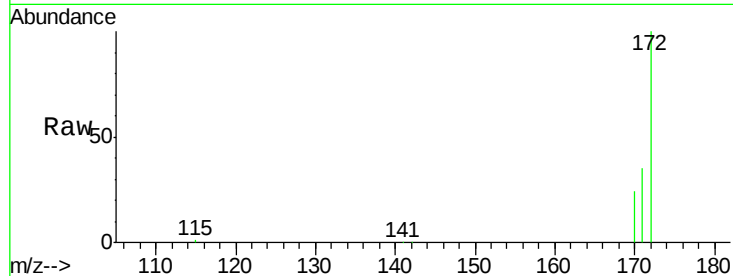




#14
2-Fluorobiphenyl
Concen: 2.90 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090789.D
Acq: 11 Sep 2015 17:53

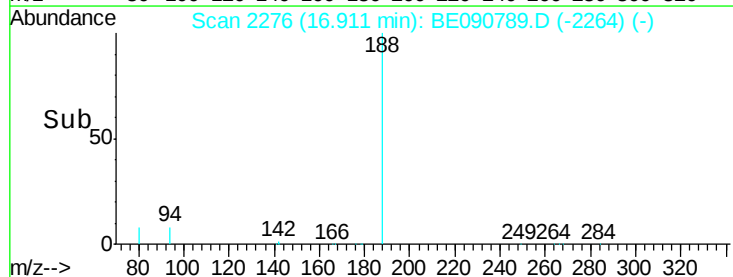
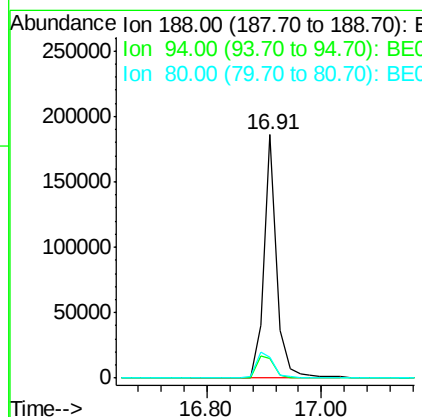
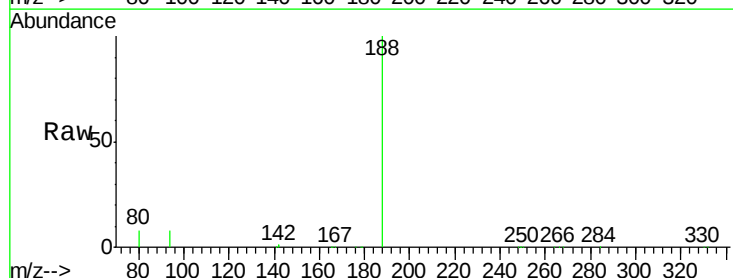
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Tot Ion:172 Resp: 94705
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 24.1 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090789.D
Acq: 11 Sep 2015 17:53

Tgt Ion:188 Resp: 291575
Ion Ratio Lower Upper
188 100
94 8.0 10.3 15.5#
80 8.5 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

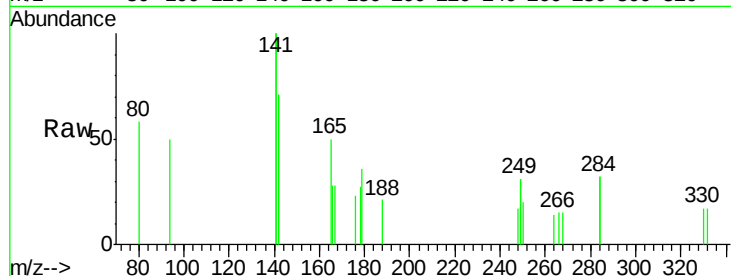
Tot Ion:284 Resp: 67

Ion Ratio Lower Upper

284 100

142 158.2 35.0 52.4#

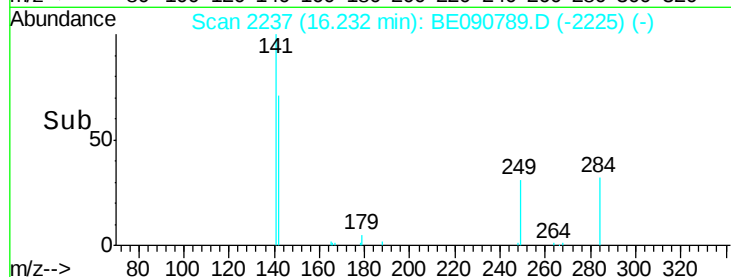
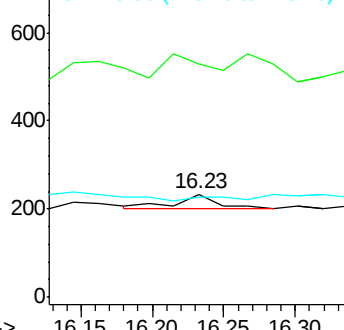
249 0.0 25.5 38.3#



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: 16.65 min Scan# 2261

Delta R.T. 0.05 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

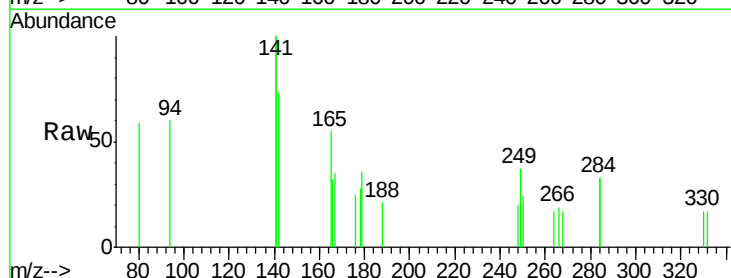
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 93.3 49.6 74.4#

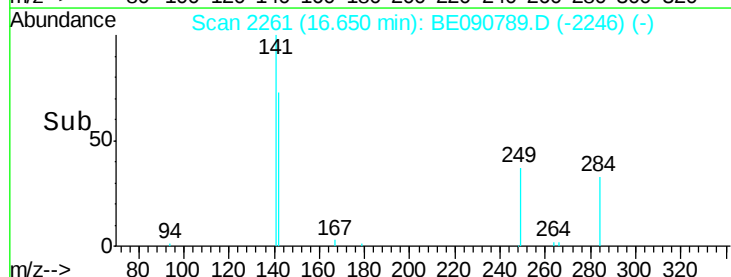
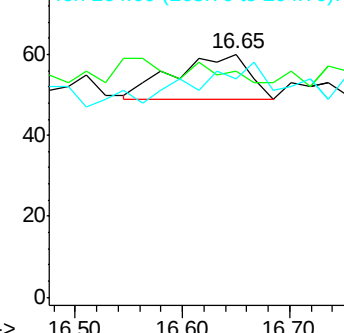
264 90.0 53.9 80.9#

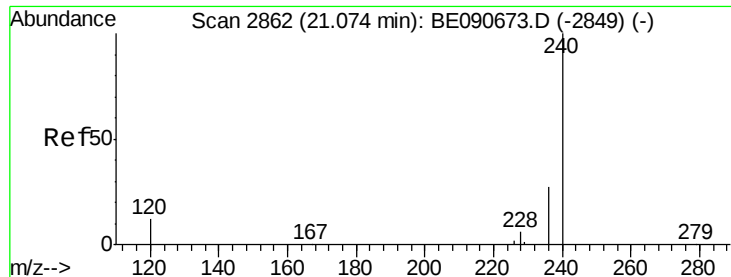


Abundance Ion 265.70 (265.40 to 266.40): E

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. -0.01 min

Lab File: BE090789.D

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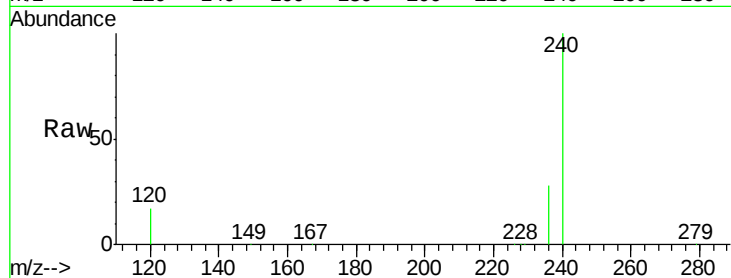
Tot Ion:240 Resp: 355624

Ion Ratio Lower Upper

240 100

120 16.6 10.1 15.1#

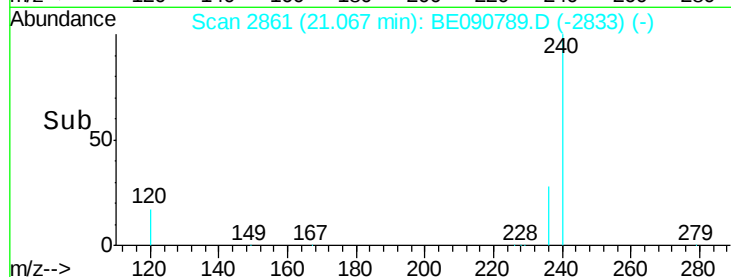
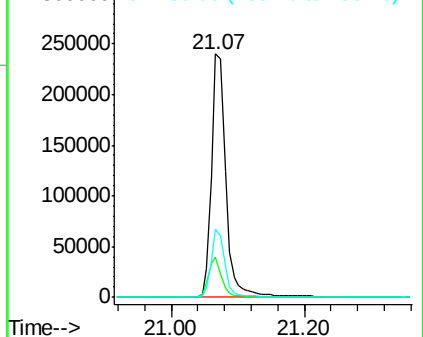
236 28.0 21.9 32.9



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: 4.45 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

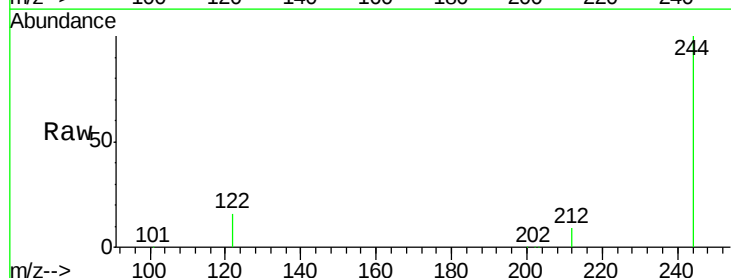
Tgt Ion:244 Resp: 175137

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

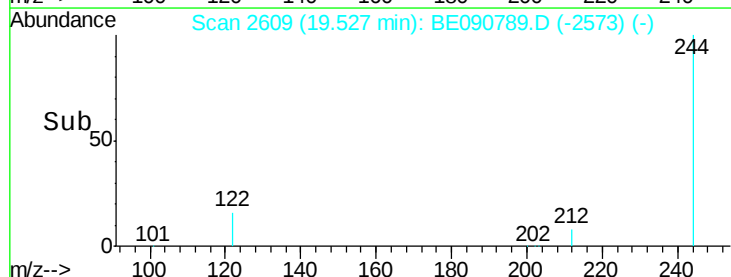
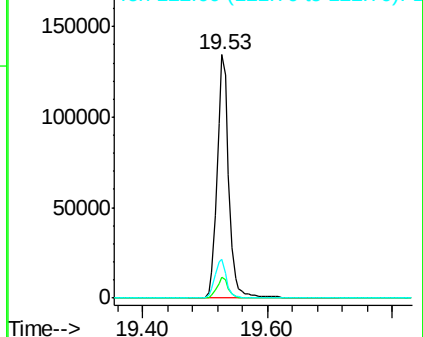
122 15.7 12.9 19.3



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: 21.11 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090789.D

Acq: 11 Sep 2015 17:53

Instrument :

BNA_E

ClientSampleId :

090915-D534-E-U-S

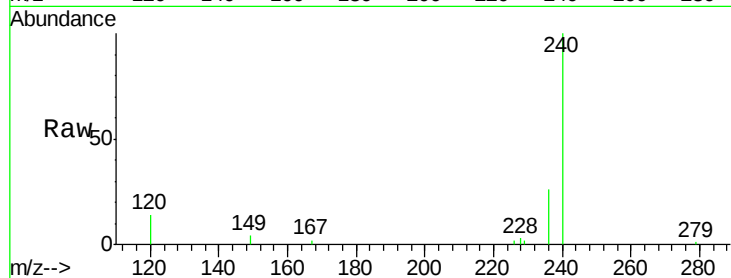
Tot Ion:228 Resp: 367

Ion Ratio Lower Upper

228 100

226 49.1 24.2 36.4#

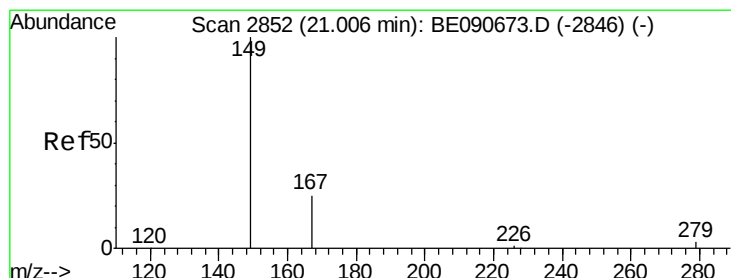
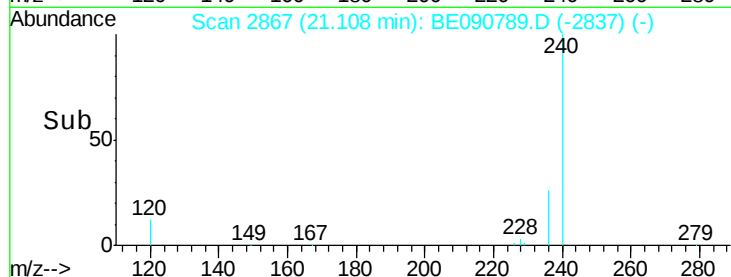
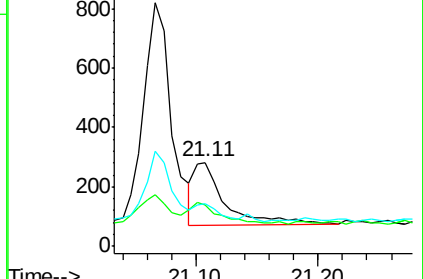
229 50.2 15.3 22.9#



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: BE090789.D

Acq: 11 Sep 2015 17:53

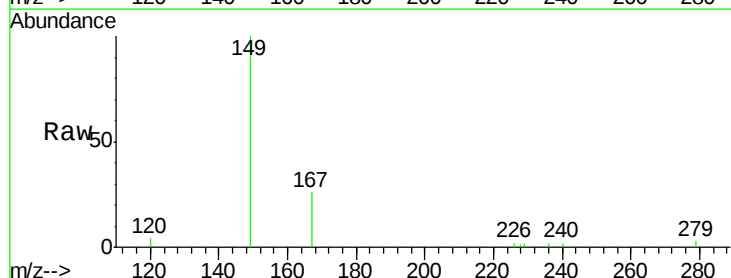
Tgt Ion:149 Resp: 5165

Ion Ratio Lower Upper

149 100

167 25.2 20.1 30.1

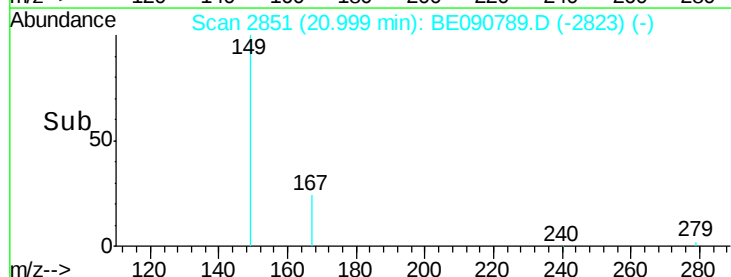
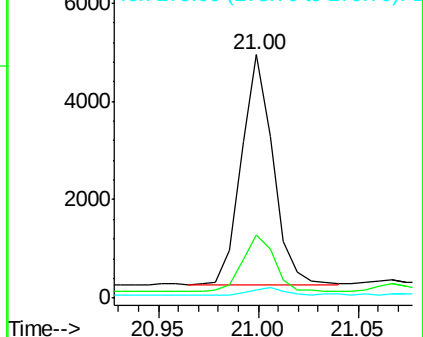
279 3.4 2.3 3.5



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

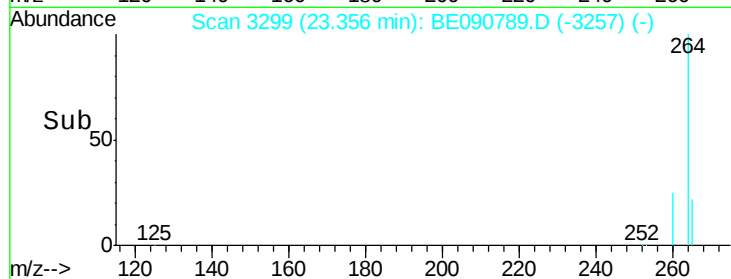
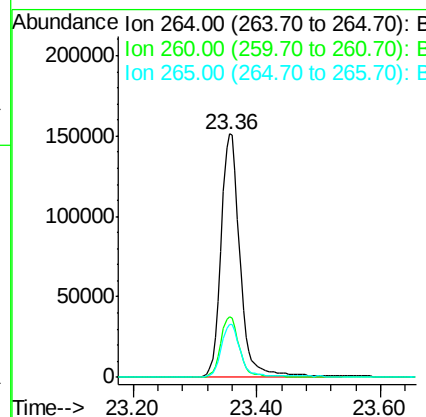




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3299
 Delta R.T. -0.01 min
 Lab File: BE090789.D
 Acq: 11 Sep 2015 17:53

Instrument :
 BNA_E
 ClientSampleId :
 090915-D534-E-U-S

Tot Ion:264 Resp: 325391
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.8 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: BE090789.D
 Acq: 11 Sep 2015 17:53

Tgt Ion:278 Resp: 7
 Ion Ratio Lower Upper
 278 100
 139 121.9 15.4 23.0#
 279 119.2 18.8 28.2#

