

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091415\
 Data File : BE090803.D
 Acq On : 14 Sep 2015 17:14
 Operator : UM/IZ
 Sample : G3635-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-U-M

Quant Time: Sep 14 18:19:29 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	47471	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	196169	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	98956	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	244374	5.00	ng	0.00
25) Chrysene-d12	21.07	240	316386	5.00	ng	0.00
32) Perylene-d12	23.35	264	299166	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	24508	2.66	ng	0.00
5) Phenol-d6	6.75	99	20665	1.56	ng	0.00
7) Nitrobenzene-d5	8.71	82	36315	2.80	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	11629	4.08	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	81821	2.99	ng	0.00
27) Terphenyl-d14	19.53	244	139247	3.98	ng	-0.01

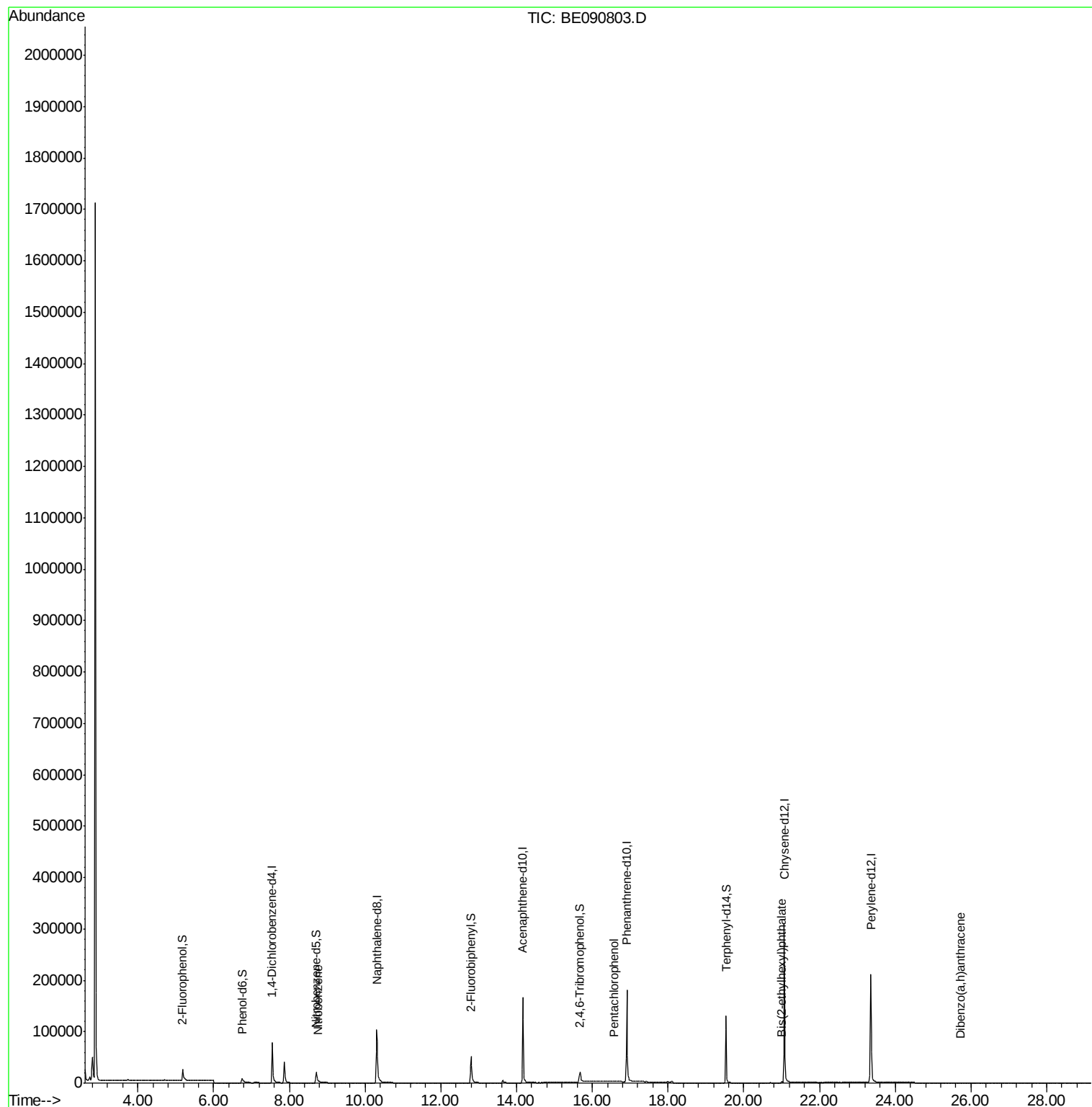
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	118	Below Cal	#	9
3) n-Nitrosodimethylamine	3.43	42	50	Below Cal	#	1
8) Nitrobenzene	8.76	77	19	0.11	ng	50
20) Hexachlorobenzene	16.23	284	38	Below Cal	#	37
21) Pentachlorophenol	16.56	266	5	0.46	ng	58
29) Chrysene	21.07	228	1181	Below Cal	#	74
30) Bis(2-ethylhexyl)phthalate	21.00	149	2215	0.18	ng	89
36) Dibenzo(a,h)anthracene	25.73	278	7	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

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

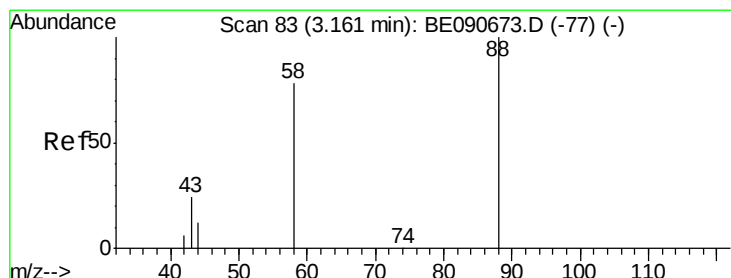
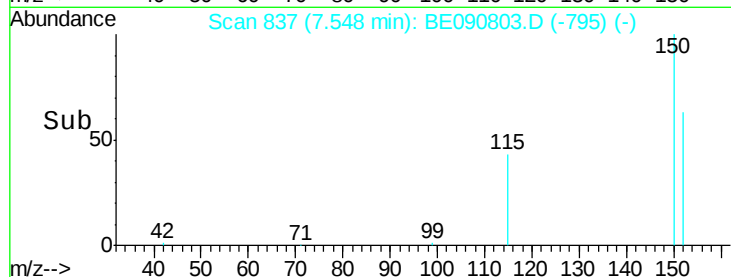
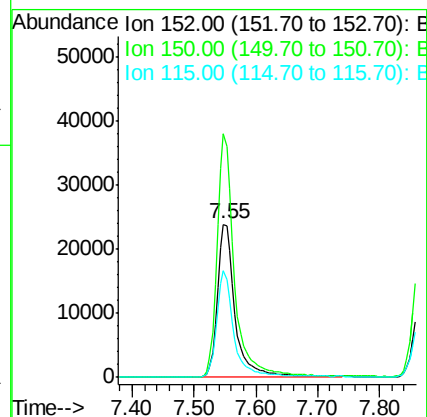
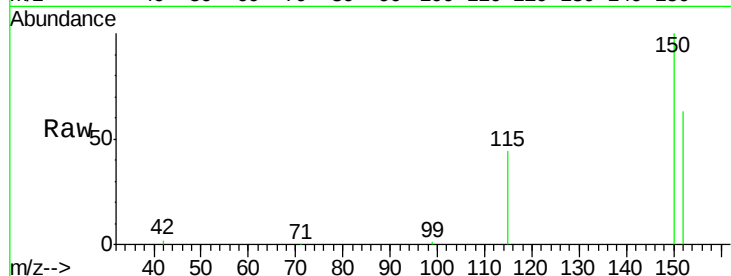
Tgt Ion: 152 Resp: 47471

Ion Ratio Lower Upper

152 100

150 159.2 122.2 183.4

115 69.3 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 83

Delta R.T. 0.00 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

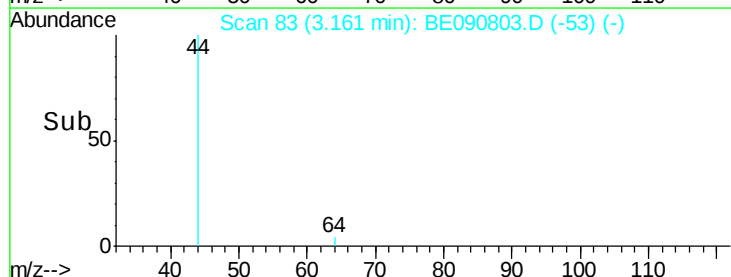
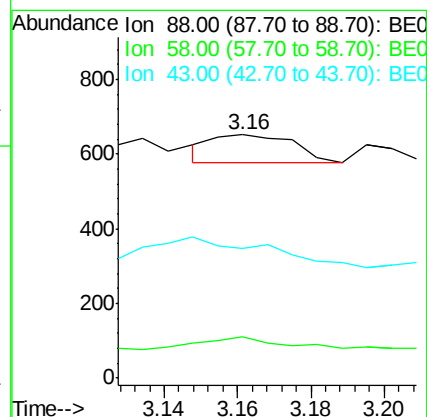
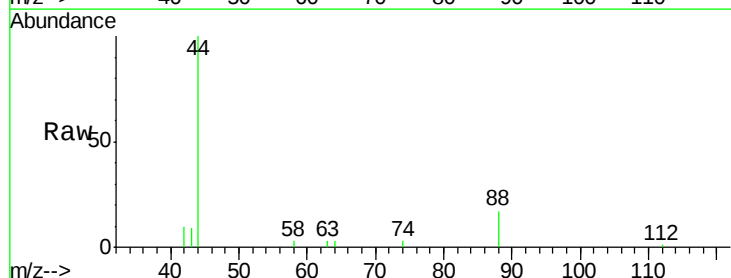
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

58 50.0 68.4 102.6#

43 161.9 26.9 40.3#



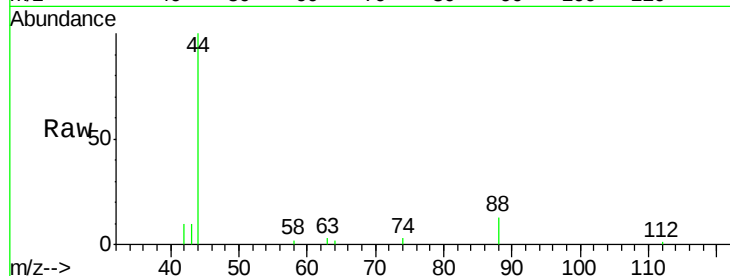


#3

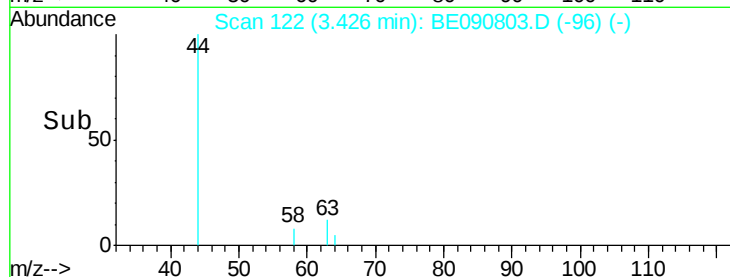
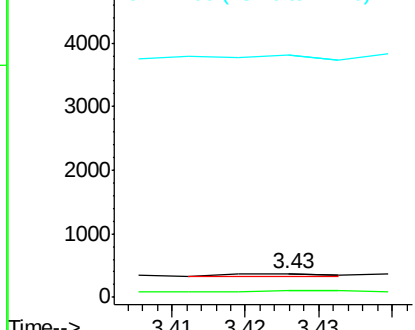
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.43 min Scan# 122
 Delta R.T. -0.03 min
 Lab File: BE090803.D
 Acq: 14 Sep 2015 17:14

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-U-M

Tgt Ion: 42 Resp: 50
 Ion Ratio Lower Upper
 42 100
 74 24.0 83.7 125.5#
 44 358.0 10.0 15.0#



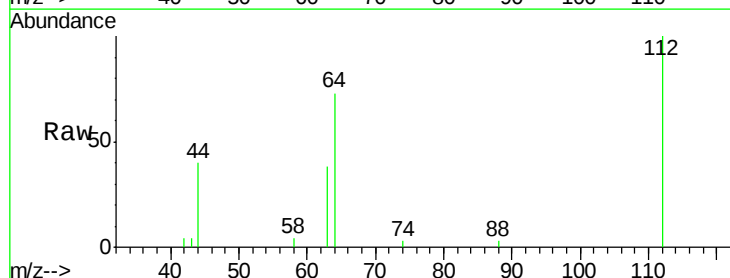
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



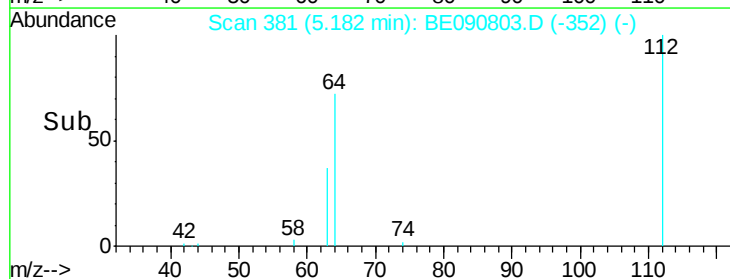
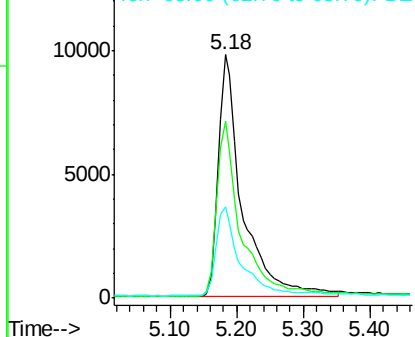
#4

2-Fluorophenol
 Concen: 2.66 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090803.D
 Acq: 14 Sep 2015 17:14

Tgt Ion: 112 Resp: 24508
 Ion Ratio Lower Upper
 112 100
 64 71.6 57.3 85.9
 63 37.5 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: 1.56 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

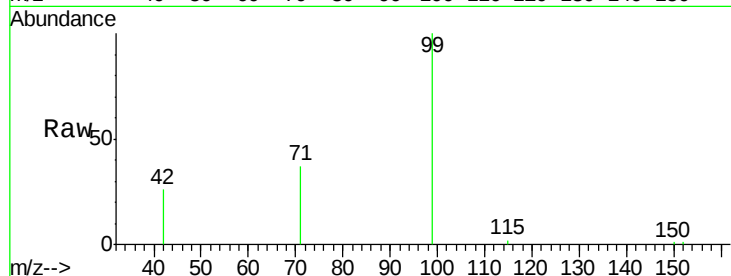
Tgt Ion: 99 Resp: 20665

Ion Ratio Lower Upper

99 100

42 22.5 16.8 25.2

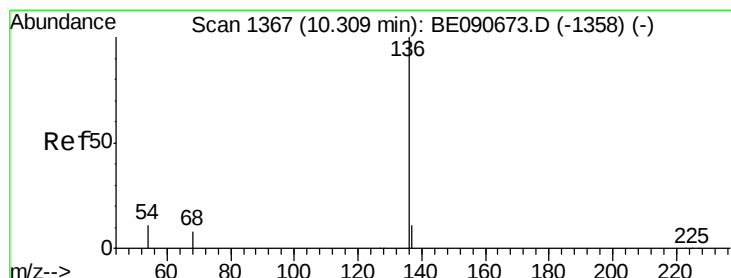
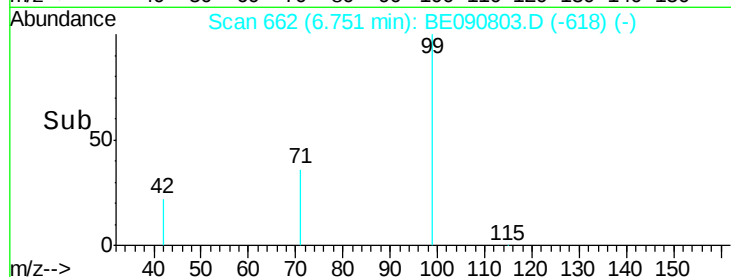
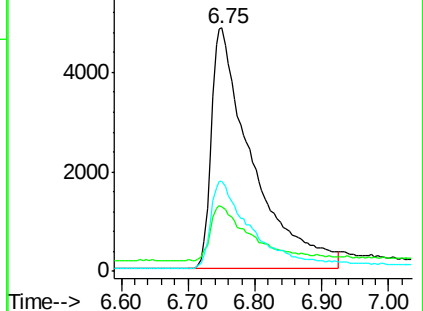
71 36.1 28.3 42.5



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: BE090803.D

Acq: 14 Sep 2015 17:14

Tgt Ion: 136 Resp: 196169

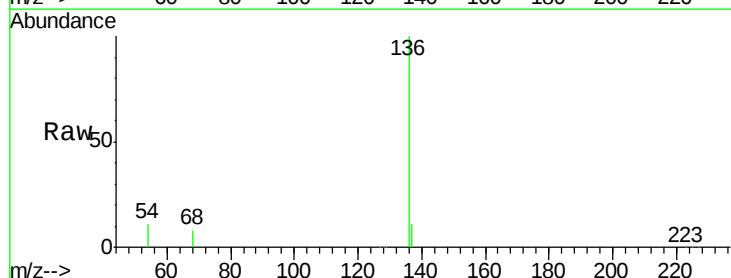
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.8 9.0 13.6

68 7.8 6.3 9.5

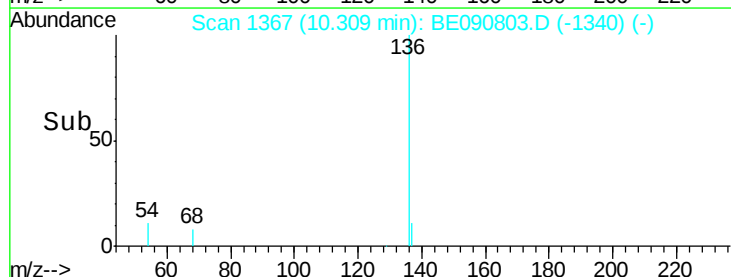
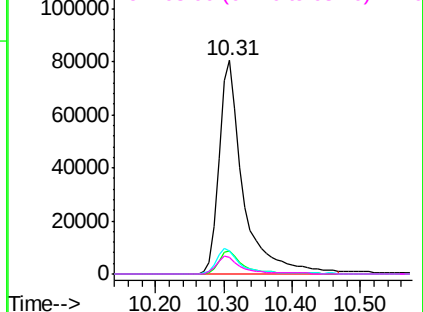


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.80 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

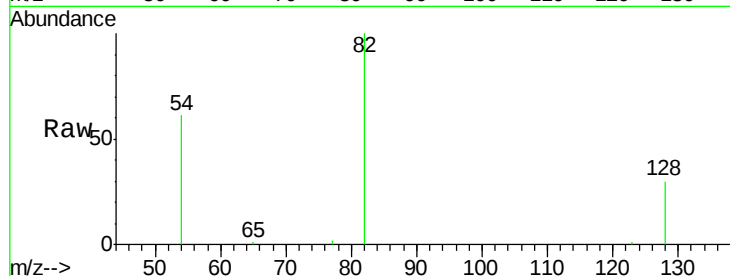
Tgt Ion: 82 Resp: 36315

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.4

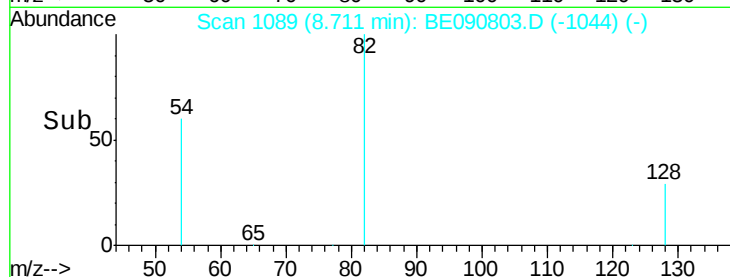
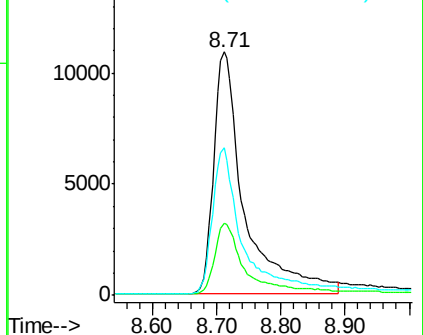
54 60.8 46.3 69.5



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: 0.11 ng

RT: 8.76 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

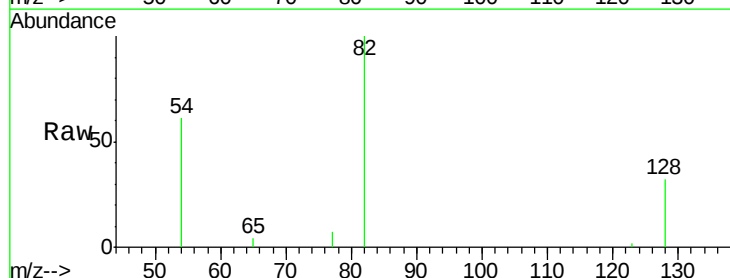
Tgt Ion: 77 Resp: 19

Ion Ratio Lower Upper

77 100

123 47.4 25.1 37.7#

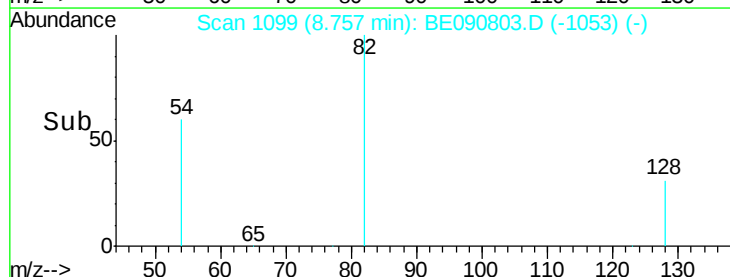
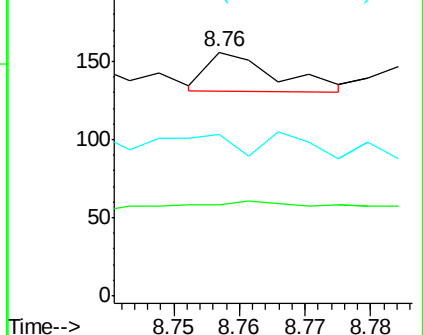
65 52.6 9.9 14.9#

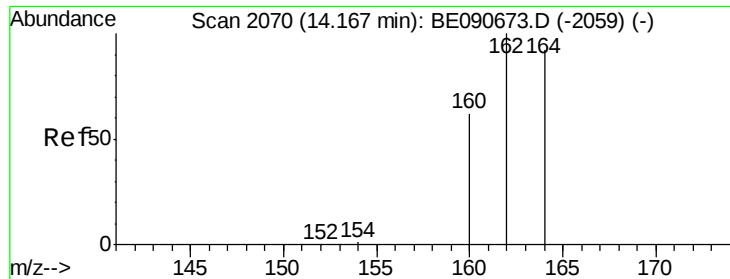


Abundance Ion 77.00 (76.70 to 77.70): BE0

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: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

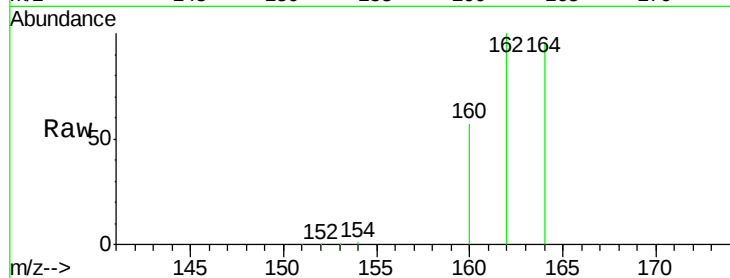
Tgt Ion:164 Resp: 98956

Ion Ratio Lower Upper

164 100

162 105.4 86.8 130.2

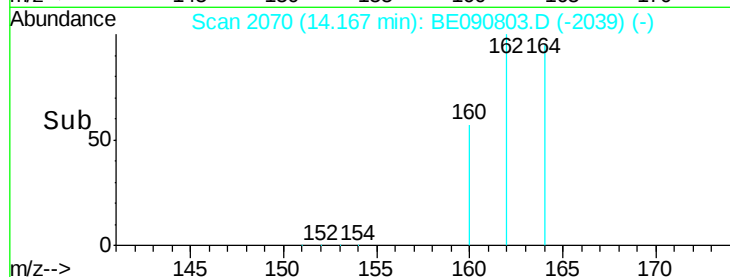
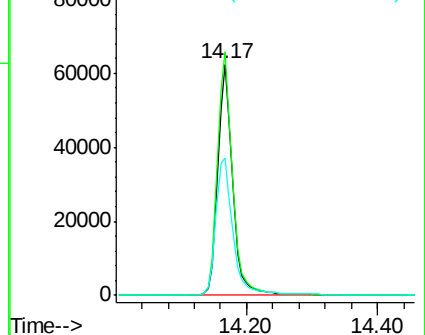
160 59.7 53.9 80.9



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: 4.08 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

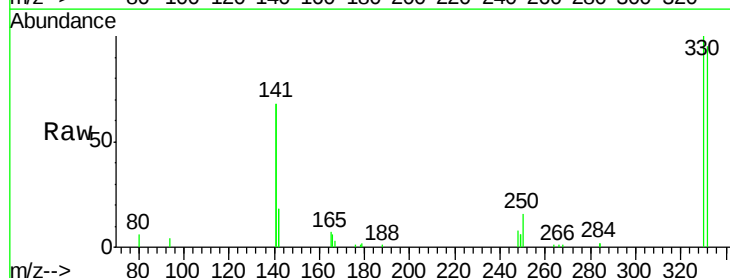
Tgt Ion:330 Resp: 11629

Ion Ratio Lower Upper

330 100

332 96.6 74.9 112.3

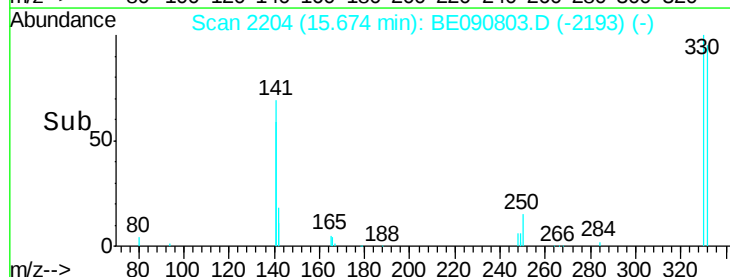
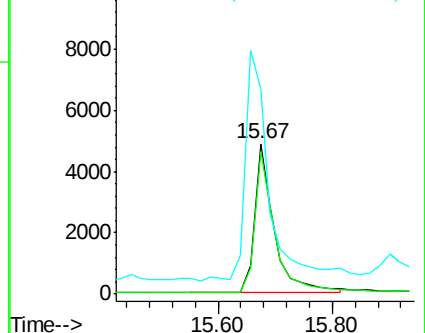
141 185.8 145.2 217.8



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

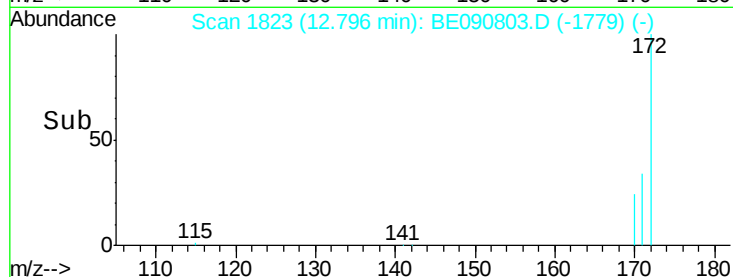
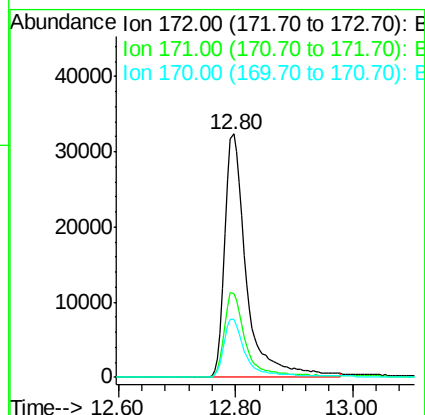
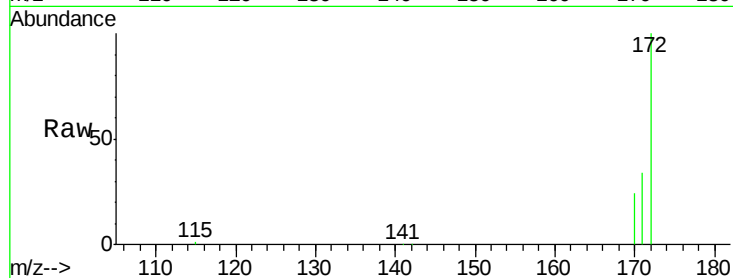




#14
2-Fluorobiphenyl
Concen: 2.99 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090803.D
Acq: 14 Sep 2015 17:14

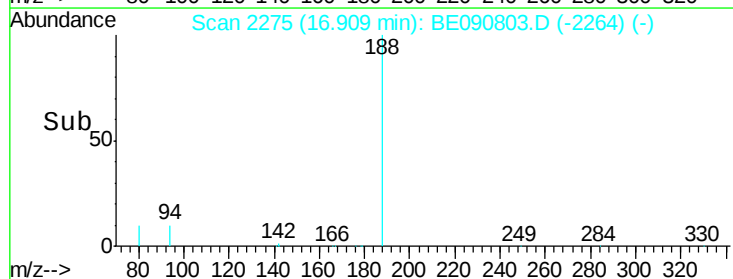
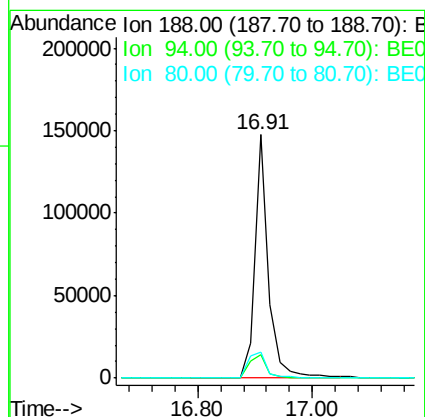
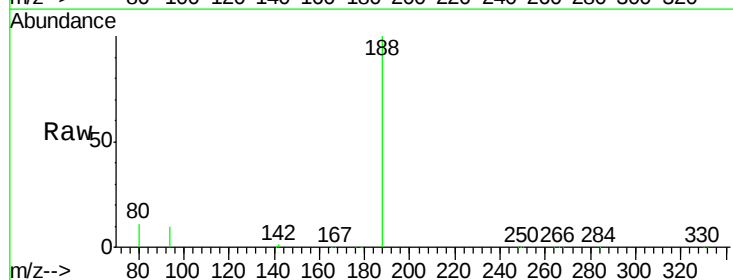
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Tgt Ion:172 Resp: 81821
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.8 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090803.D
Acq: 14 Sep 2015 17:14

Tgt Ion:188 Resp: 244374
Ion Ratio Lower Upper
188 100
94 9.8 10.3 15.5#
80 10.5 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

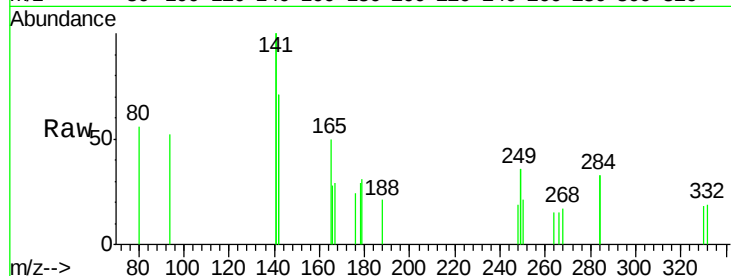
Tgt Ion: 284 Resp: 38

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

249 0.0 25.5 38.3#

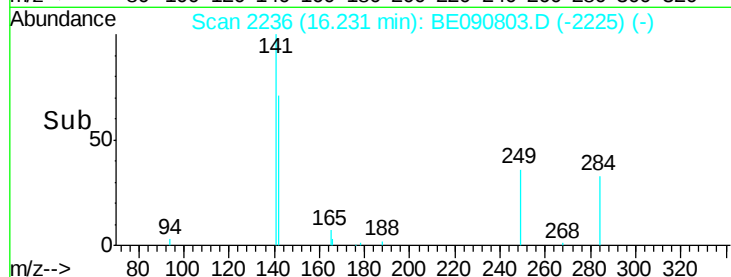


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time--> 16.15 16.20 16.25 16.30



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.56 min Scan# 2255

Delta R.T. -0.04 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

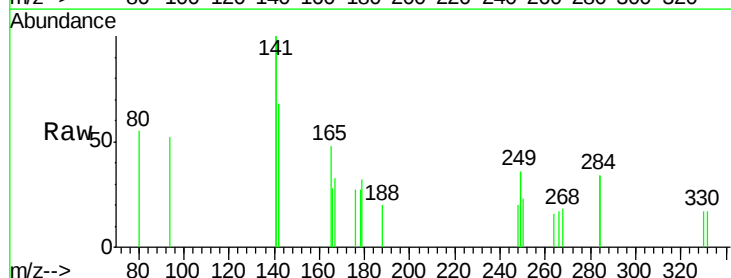
Tgt Ion: 266 Resp: 5

Ion Ratio Lower Upper

266 100

268 103.7 49.6 74.4#

264 92.6 53.9 80.9#

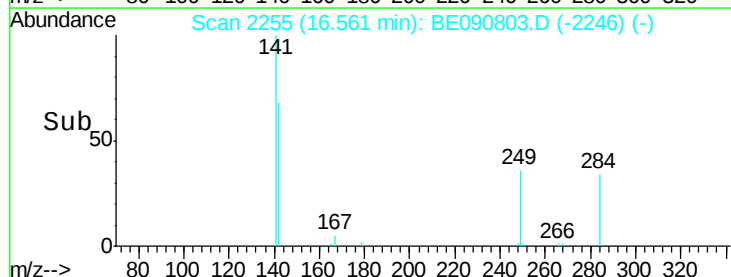


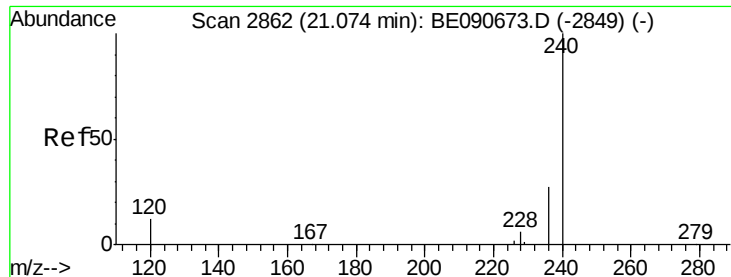
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time--> 16.55





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

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ClientSampleId :

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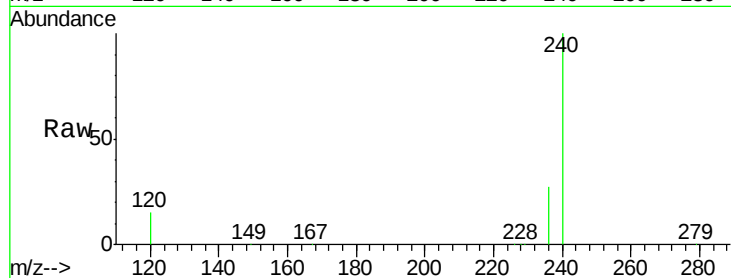
Tgt Ion:240 Resp: 316386

Ion Ratio Lower Upper

240 100

120 14.9 10.1 15.1

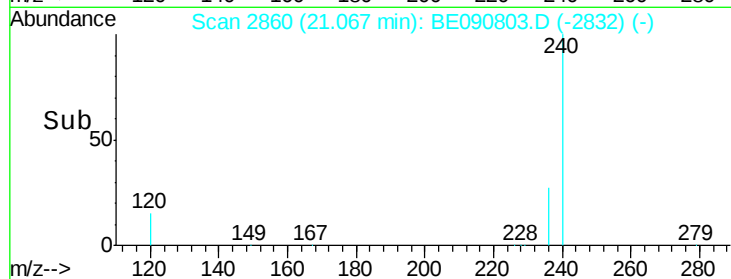
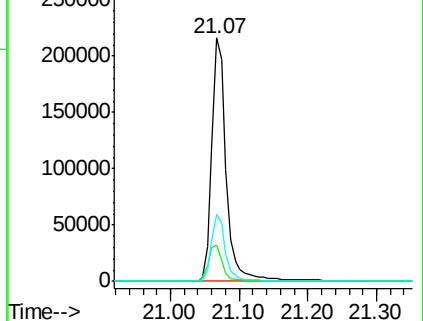
236 27.5 21.9 32.9



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: 3.98 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

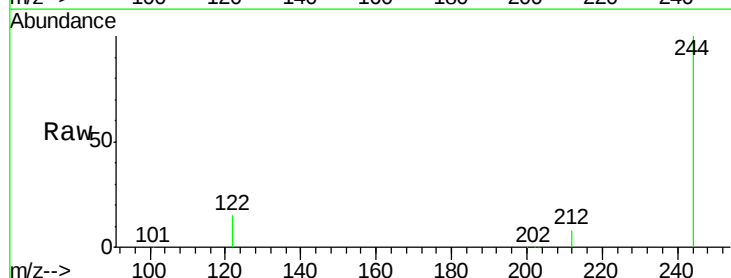
Tgt Ion:244 Resp: 139247

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

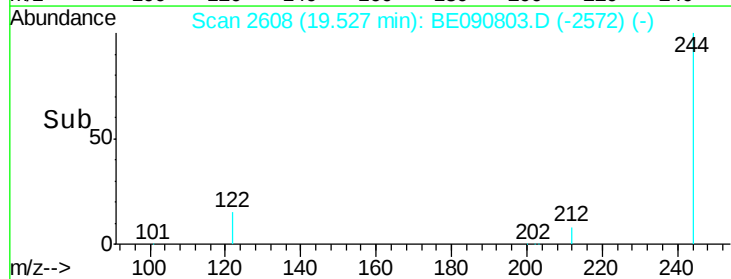
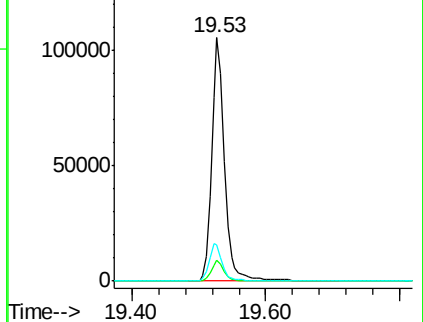
122 14.7 12.9 19.3

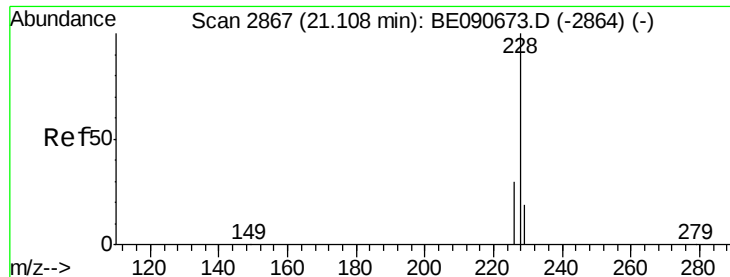


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2860

Delta R.T. -0.04 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

Instrument :

BNA_E

ClientSampleId :

091015-D534-F-U-M

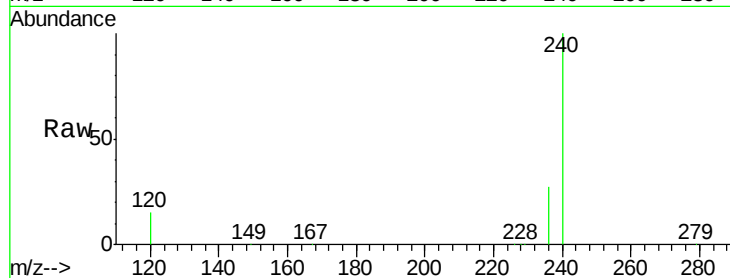
Tgt Ion:228 Resp: 1181

Ion Ratio Lower Upper

228 100

226 21.3 24.2 36.4#

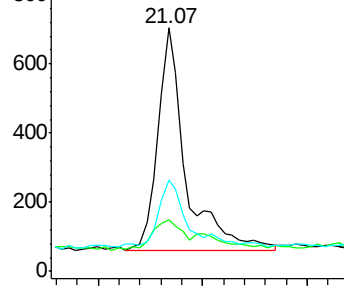
229 37.6 15.3 22.9#



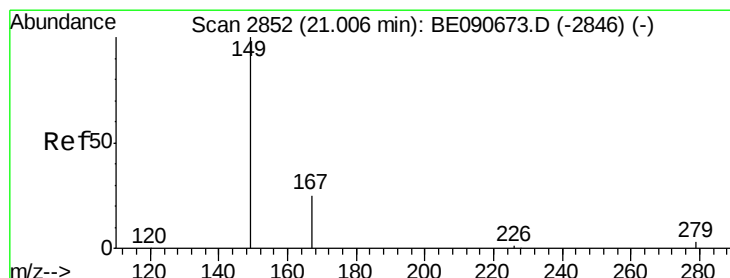
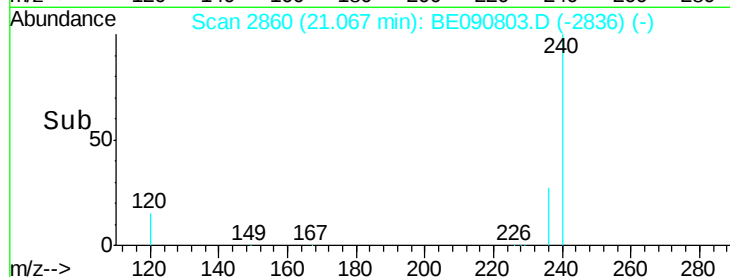
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.18 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090803.D

Acq: 14 Sep 2015 17:14

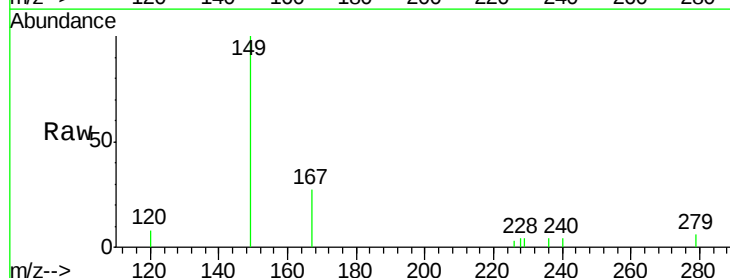
Tgt Ion:149 Resp: 2215

Ion Ratio Lower Upper

149 100

167 19.4 20.1 30.1#

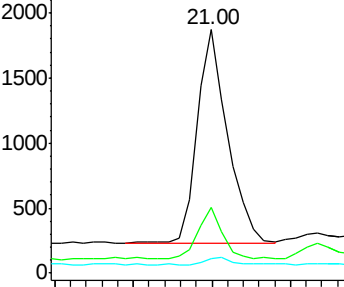
279 3.8 2.3 3.5#



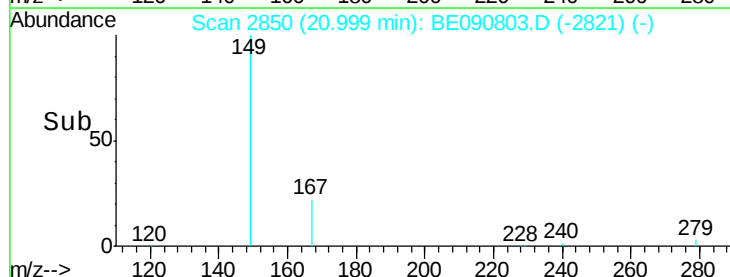
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

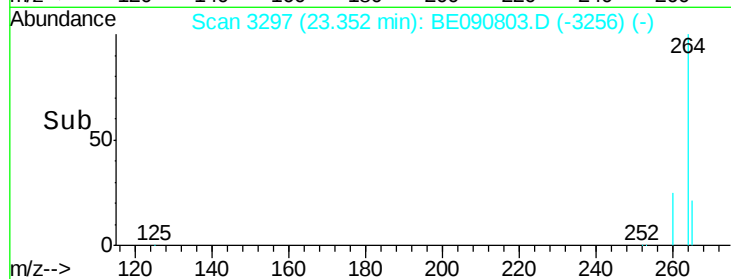
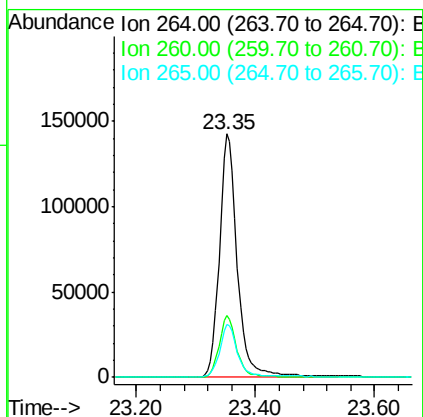




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090803.D
 Acq: 14 Sep 2015 17:14

Instrument :
 BNA_E
 ClientSampleId :
 091015-D534-F-U-M

Tgt Ion: 264 Resp: 299166
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.7 29.5
 265 21.7 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.73 min Scan# 3815
 Delta R.T. -0.02 min
 Lab File: BE090803.D
 Acq: 14 Sep 2015 17:14

Tgt Ion: 278 Resp: 7
 Ion Ratio Lower Upper
 278 100
 139 157.1 15.4 23.0#
 279 130.2 18.8 28.2#

