

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090813.D
 Acq On : 14 Sep 2015 23:54
 Operator : UM/IZ
 Sample : G3658-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-D-S

Quant Time: Sep 15 00:59:32 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	29265	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	120614	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	61148	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	153814	5.00	ng	0.00
25) Chrysene-d12	21.07	240	216127	5.00	ng	0.00
32) Perylene-d12	23.35	264	204703	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	14534	2.56	ng	0.00
5) Phenol-d6	6.75	99	10790	1.32	ng	0.00
7) Nitrobenzene-d5	8.72	82	25676	3.22	ng	0.01
13) 2,4,6-Tribromophenol	15.68	330	10625	5.96	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	62741	3.71	ng	0.00
27) Terphenyl-d14	19.53	244	117985	4.93	ng	-0.01

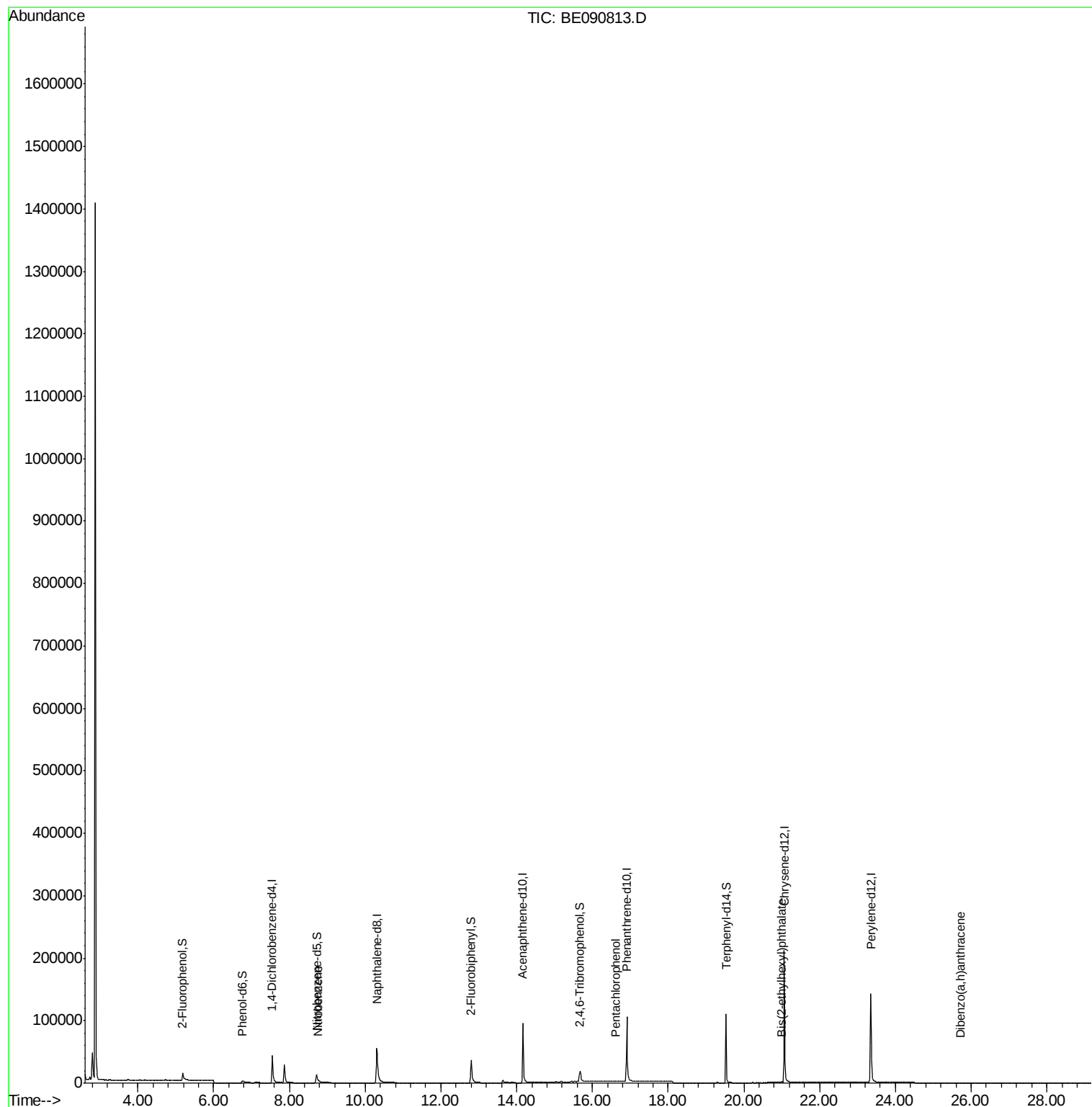
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	75	Below Cal	#	26
3) n-Nitrosodimethylamine	3.45	42	61	Below Cal	#	27
8) Nitrobenzene	8.77	77	14	0.11 ng	#	17
20) Hexachlorobenzene	16.27	284	25	Below Cal	#	1
21) Pentachlorophenol	16.61	266	10	0.46 ng	#	61
29) Chrysene	21.07	228	759	Below Cal	#	77
30) Bis(2-ethylhexyl)phthalate	21.00	149	1856	0.21 ng	#	99
36) Dibenzo(a,h)anthracene	25.74	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. -0.00 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-D-S

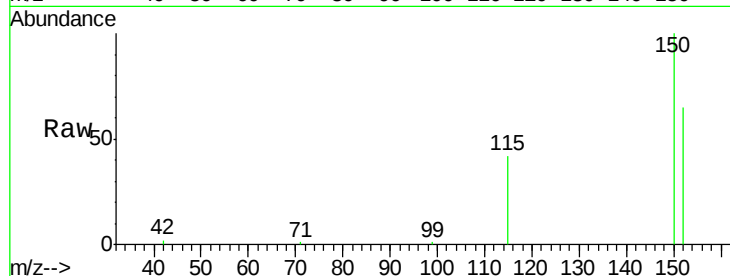
Tot Ion:152 Resp: 29265

Ion Ratio Lower Upper

152 100

150 154.6 122.2 183.4

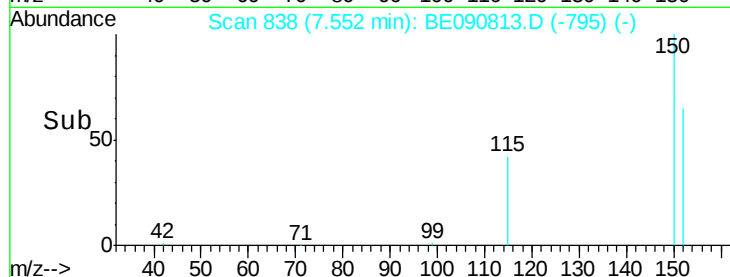
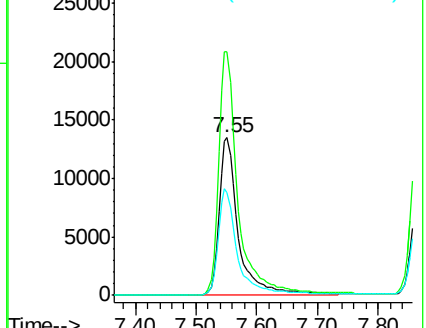
115 65.6 51.0 76.4



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: 3.13 min Scan# 79

Delta R.T. -0.03 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

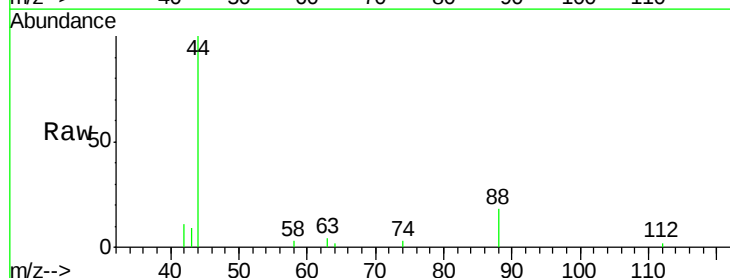
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

58 12.0 68.4 102.6#

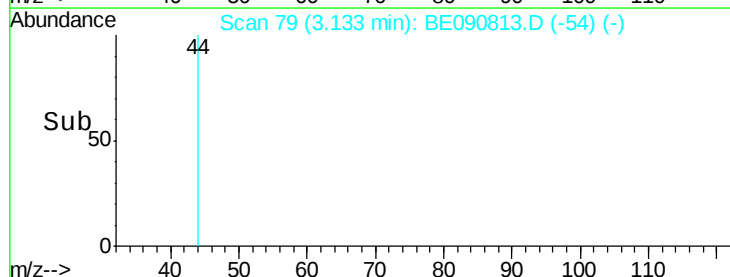
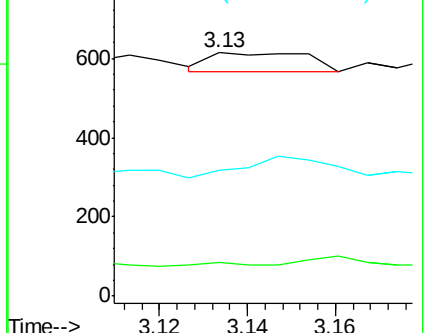
43 0.0 26.9 40.3#



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



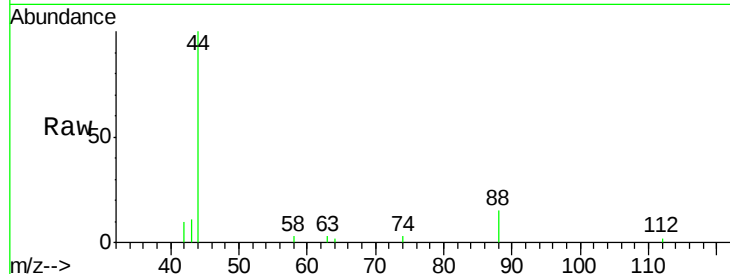


#3

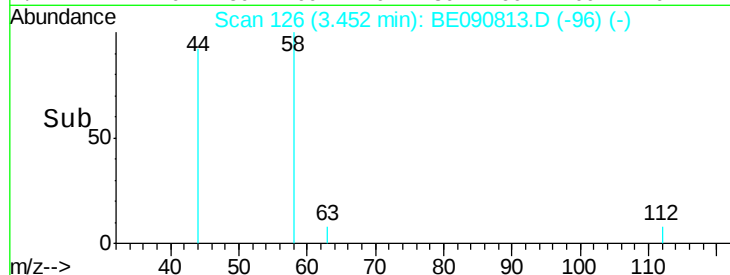
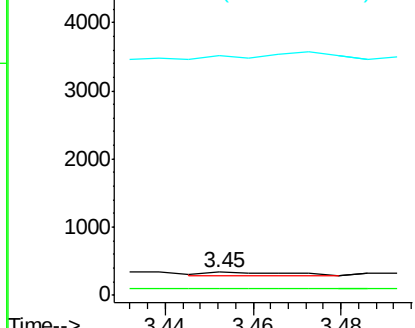
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090813.D
 Acq: 14 Sep 2015 23:54

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-D-S

Tot Ion: 42 Resp: 61
 Ion Ratio Lower Upper
 42 100
 74 24.6 83.7 125.5#
 44 0.0 10.0 15.0#



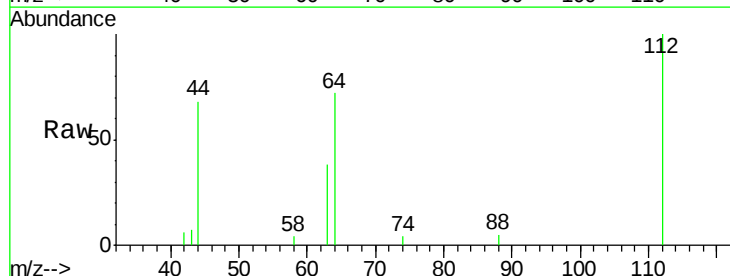
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



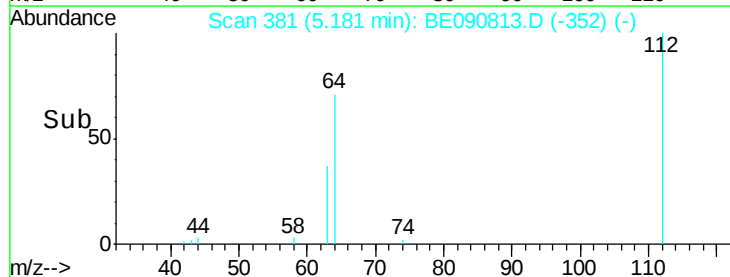
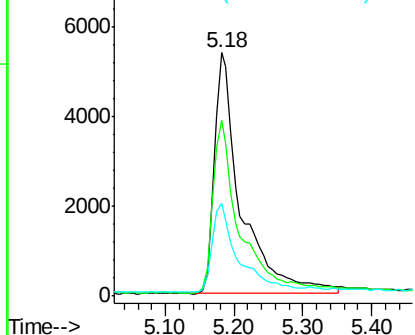
#4

2-Fluorophenol
 Concen: 2.56 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090813.D
 Acq: 14 Sep 2015 23:54

Tgt Ion: 112 Resp: 14534
 Ion Ratio Lower Upper
 112 100
 64 72.2 57.3 85.9
 63 36.4 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: 1.32 ng

RT: 6.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-D-S

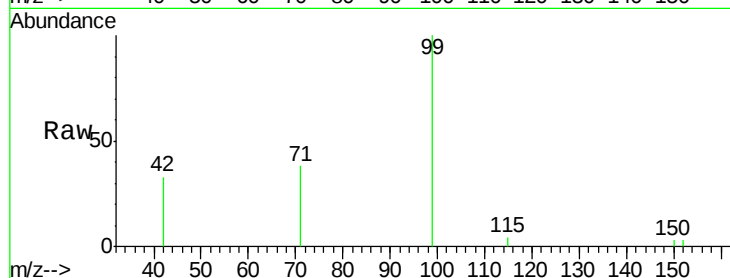
Tot Ion: 99 Resp: 10790

Ion Ratio Lower Upper

99 100

42 22.9 16.8 25.2

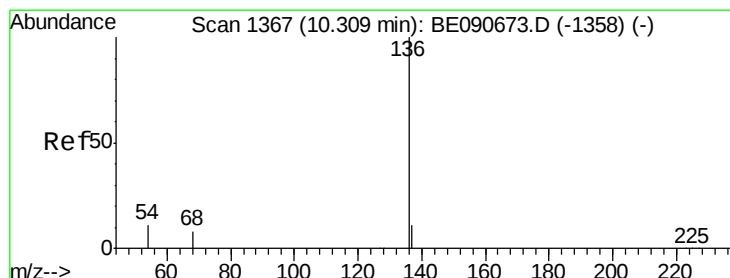
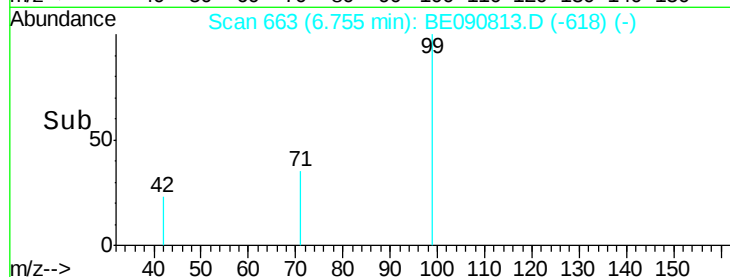
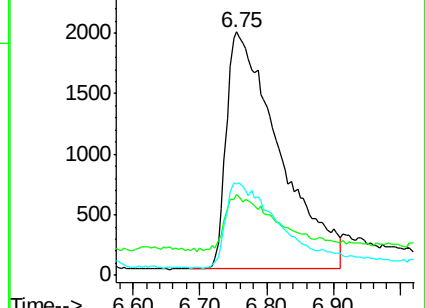
71 34.4 28.3 42.5



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: BE090813.D

Acq: 14 Sep 2015 23:54

Tgt Ion: 136 Resp: 120614

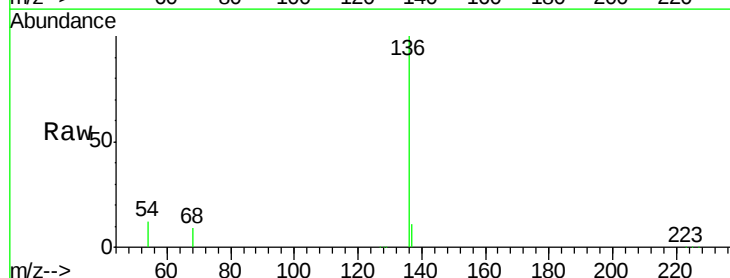
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 11.9 9.0 13.6

68 8.5 6.3 9.5

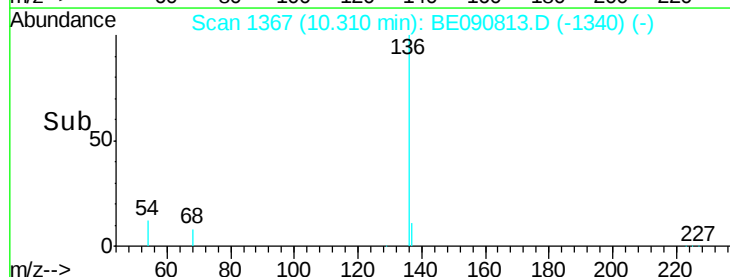
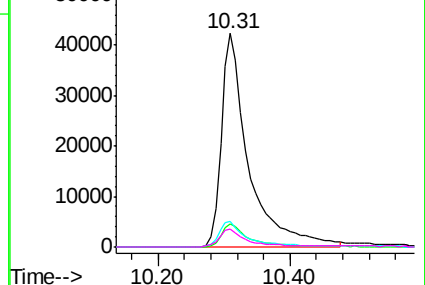


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.22 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

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ClientSampleId :

091215-D534-E-D-S

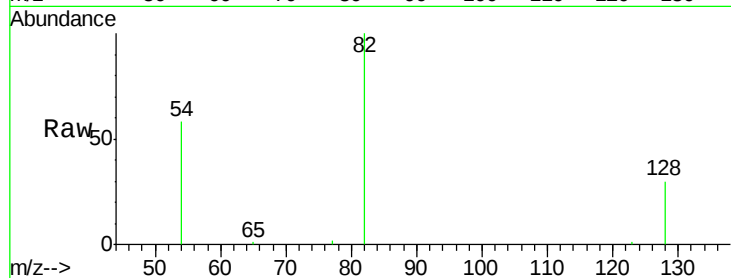
Tot Ion: 82 Resp: 25676

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.4

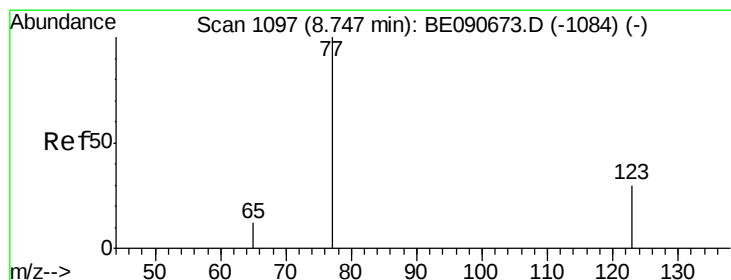
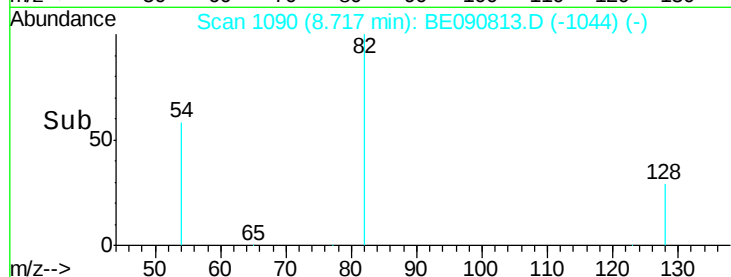
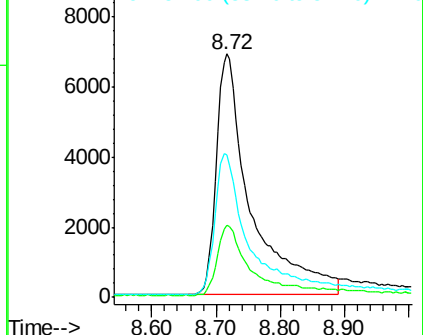
54 58.3 46.3 69.5



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: 8.77 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

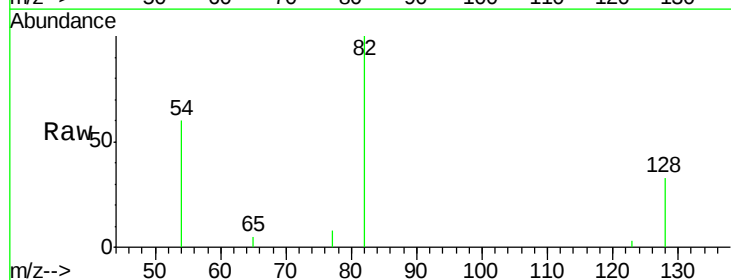
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

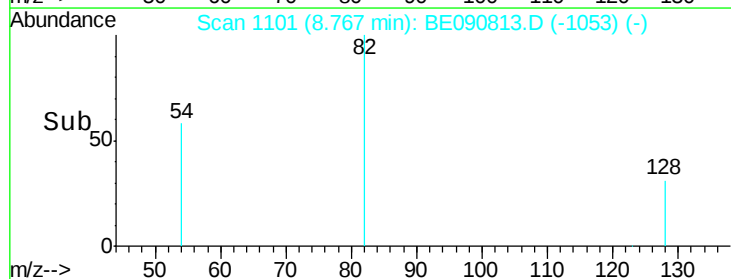
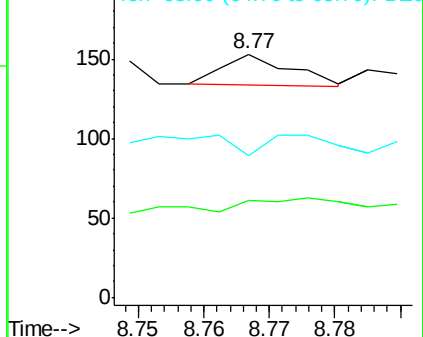
65 71.4 9.9 14.9#



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: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

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ClientSampleId :

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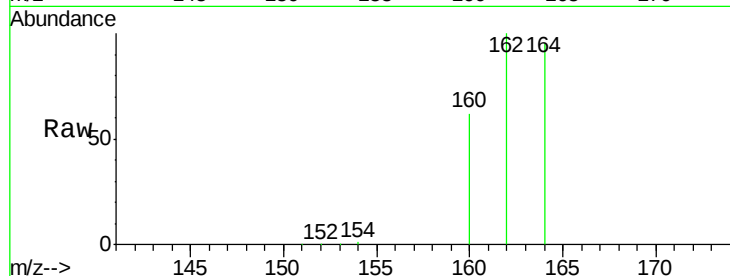
Tot Ion:164 Resp: 61148

Ion Ratio Lower Upper

164 100

162 105.7 86.8 130.2

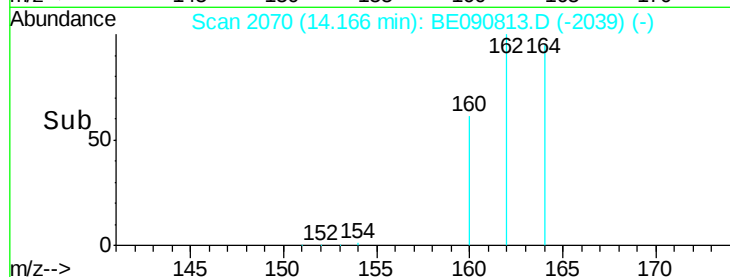
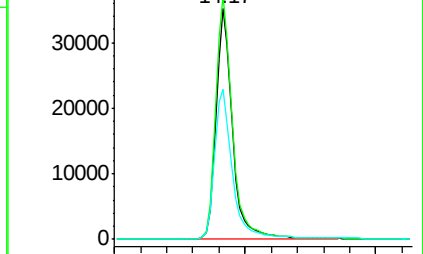
160 65.0 53.9 80.9



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: 5.96 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

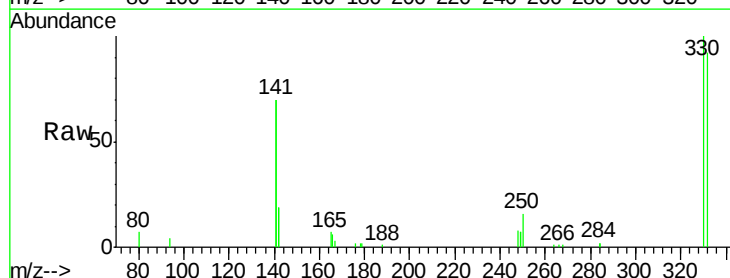
Tgt Ion:330 Resp: 10625

Ion Ratio Lower Upper

330 100

332 95.5 74.9 112.3

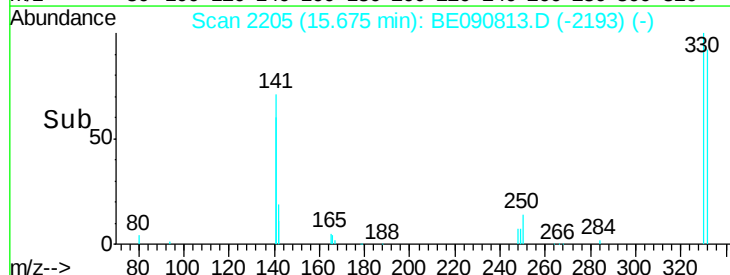
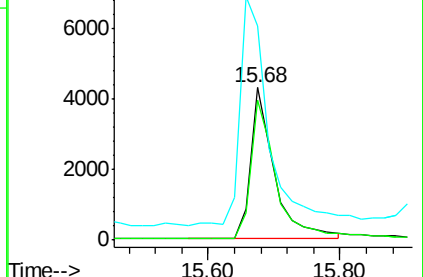
141 182.0 145.2 217.8

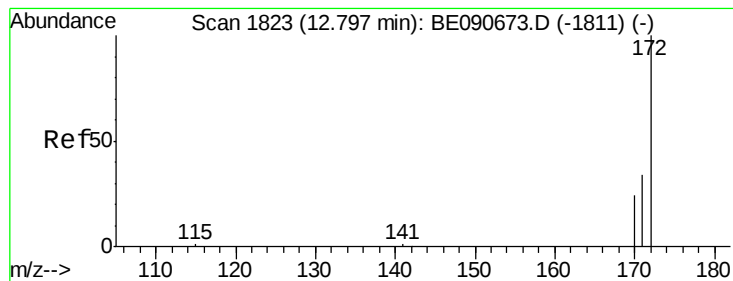


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.71 ng

RT: 12.80 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

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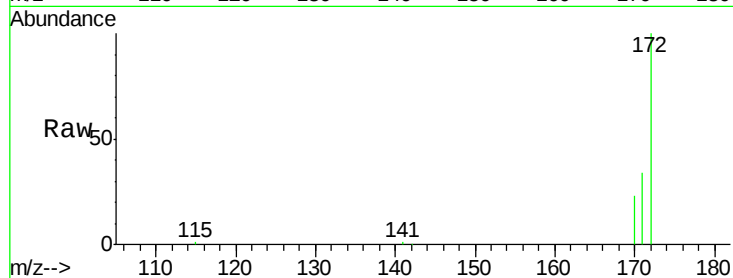
Tot Ion:172 Resp: 62741

Ion Ratio Lower Upper

172 100

171 34.1 27.8 41.8

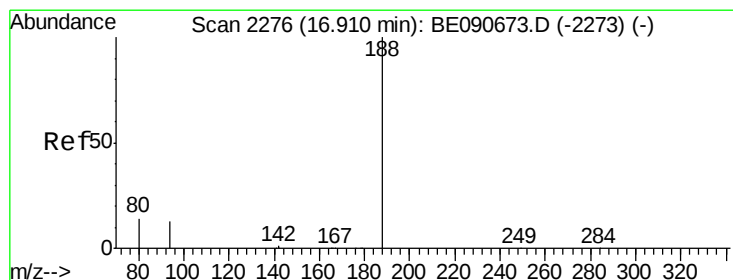
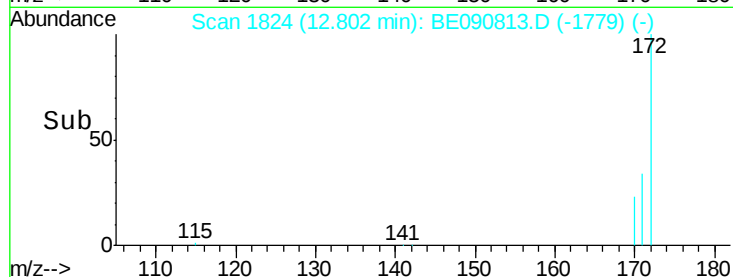
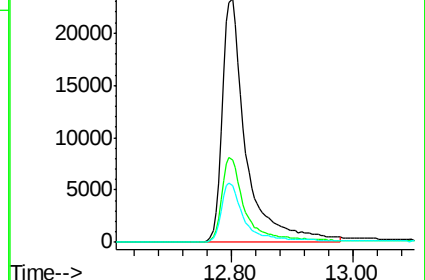
170 23.4 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

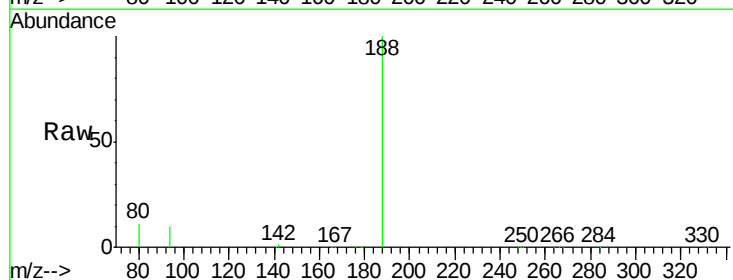
Tgt Ion:188 Resp: 153814

Ion Ratio Lower Upper

188 100

94 10.1 10.3 15.5#

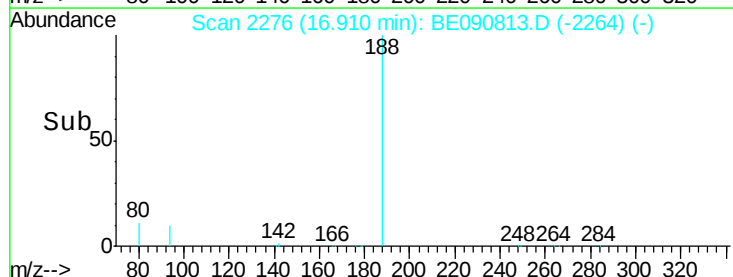
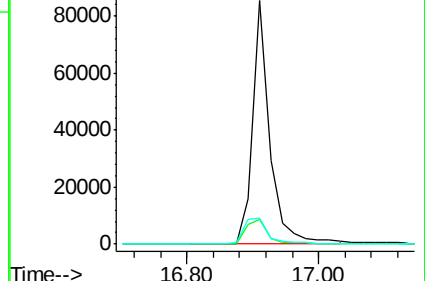
80 10.9 11.0 16.6#

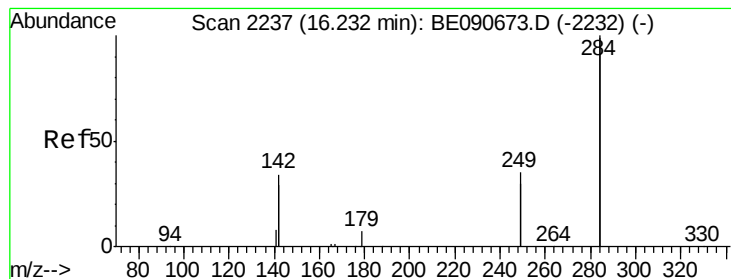


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2239

Delta R.T. 0.04 min

Lab File: BE090813.D

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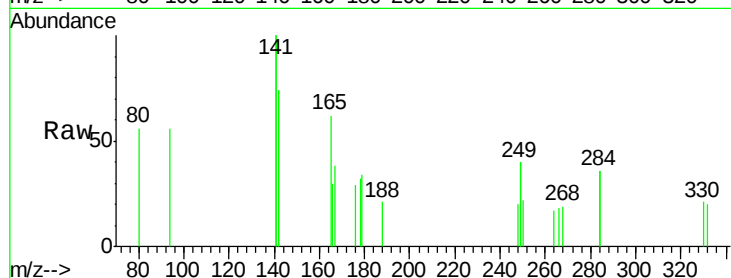
Tot Ion:284 Resp: 25

Ion Ratio Lower Upper

284 100

142 360.0 35.0 52.4#

249 224.0 25.5 38.3#

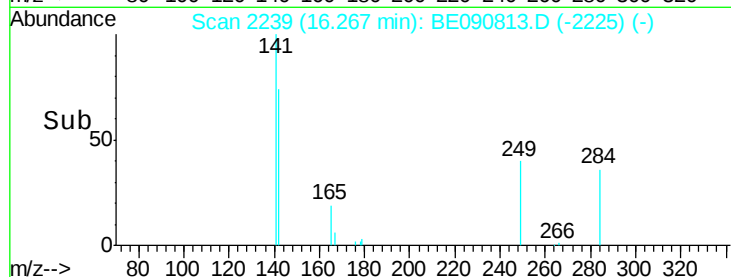


Abundance Ion 283.80 (283.50 to 284.50): E

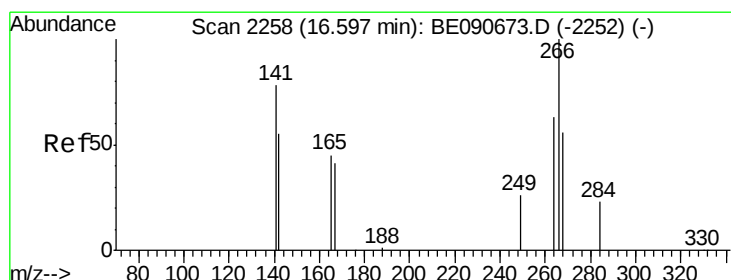
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

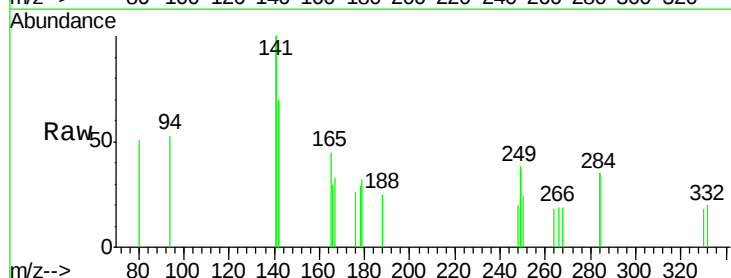
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

268 98.2 49.6 74.4#

264 92.7 53.9 80.9#

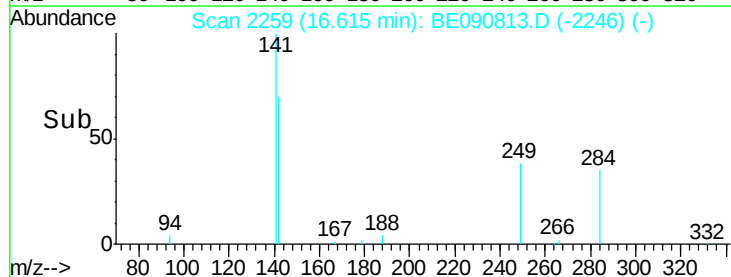


Abundance Ion 265.70 (265.40 to 266.40): E

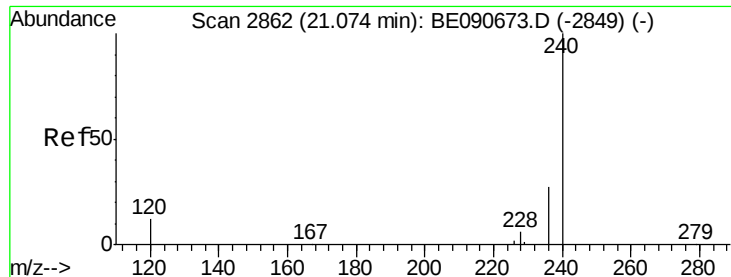
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



Time-->



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

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ClientSampleId :

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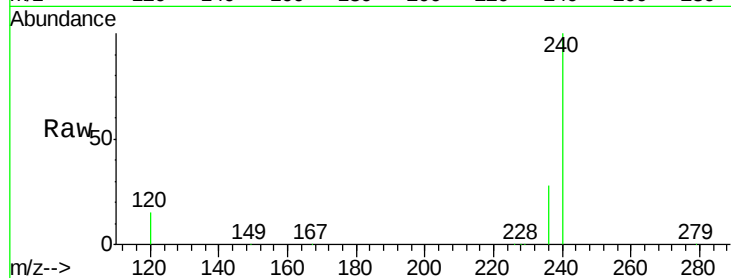
Tot Ion:240 Resp: 216127

Ion Ratio Lower Upper

240 100

120 15.2 10.1 15.1#

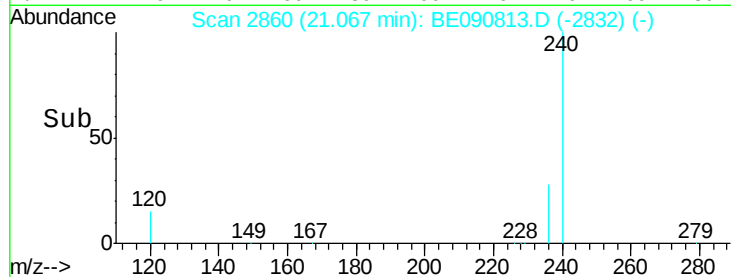
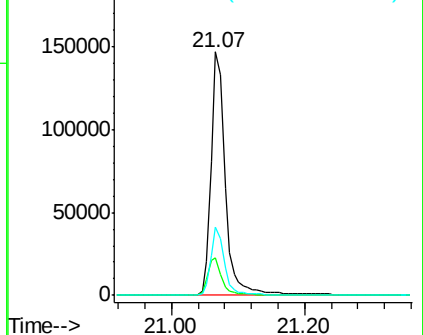
236 28.1 21.9 32.9



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: 4.93 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

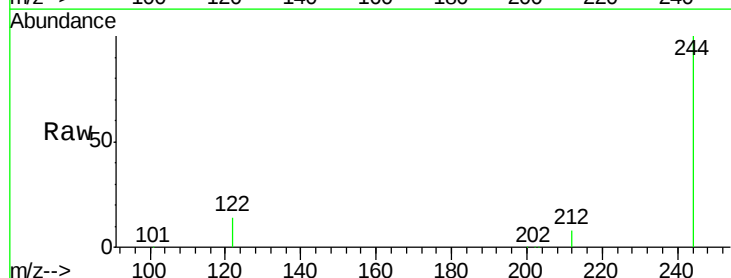
Tgt Ion:244 Resp: 117985

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

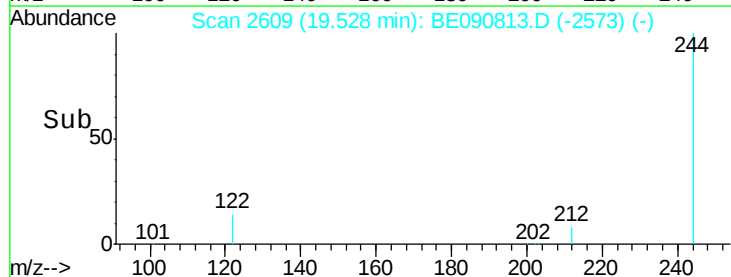
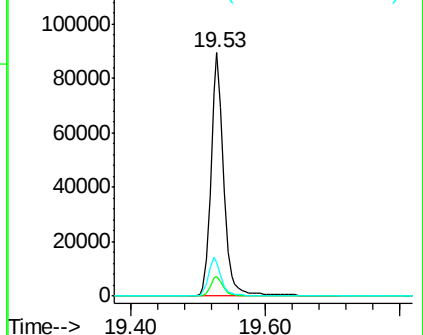
122 14.0 12.9 19.3



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: BE090813.D

Acq: 14 Sep 2015 23:54

Instrument :

BNA_E

ClientSampleId :

091215-D534-E-D-S

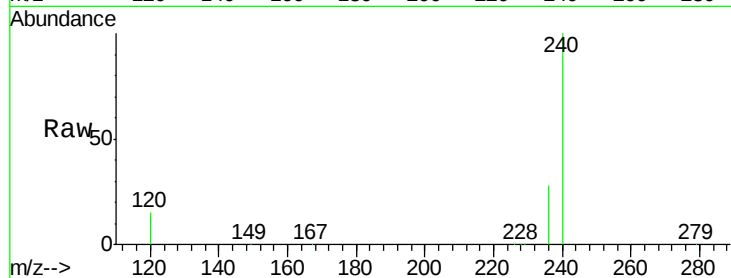
Tot Ion:228 Resp: 759

Ion Ratio Lower Upper

228 100

226 24.4 24.2 36.4

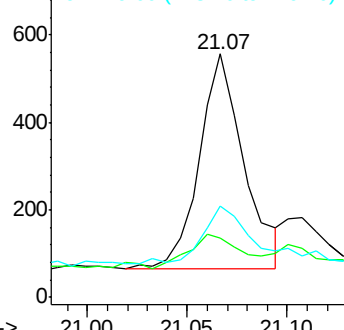
229 37.7 15.3 22.9#



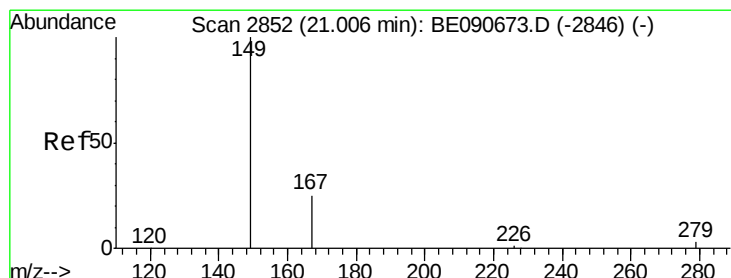
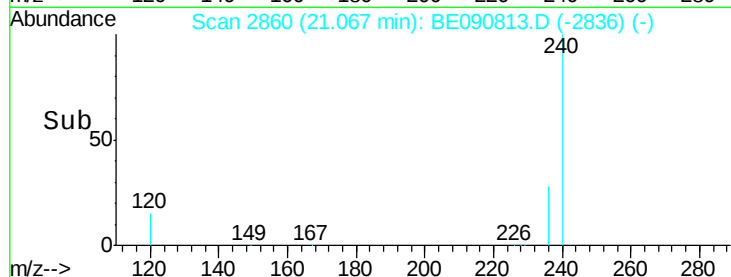
Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.21 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090813.D

Acq: 14 Sep 2015 23:54

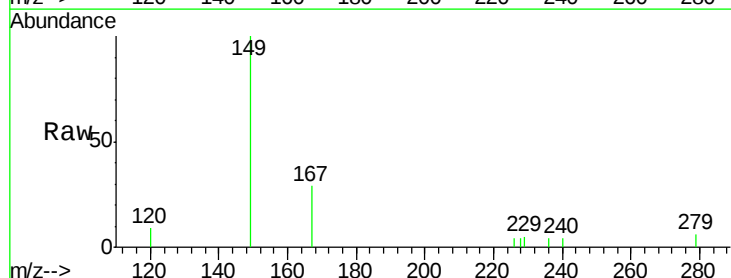
Tgt Ion:149 Resp: 1856

Ion Ratio Lower Upper

149 100

167 24.8 20.1 30.1

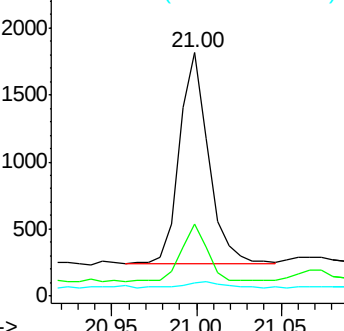
279 3.7 2.3 3.5#



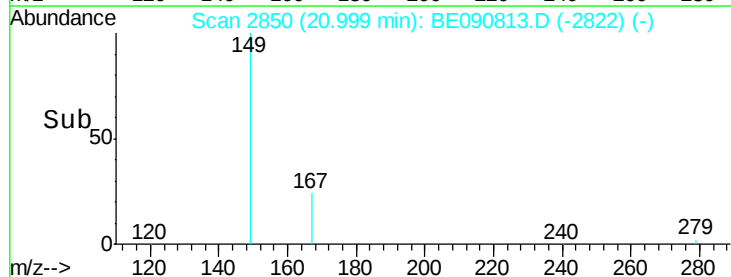
Abundance Ion 149.00 (148.70 to 149.70): E

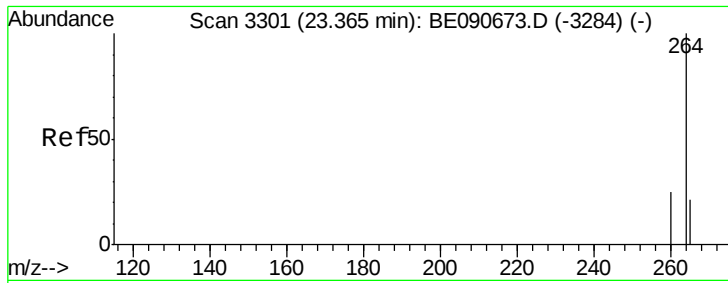
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

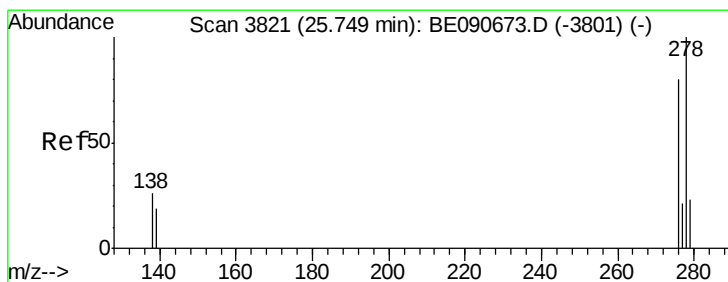
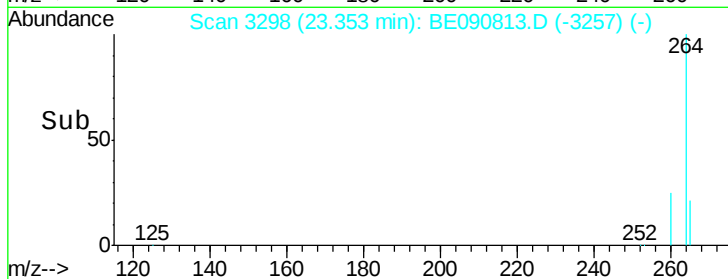
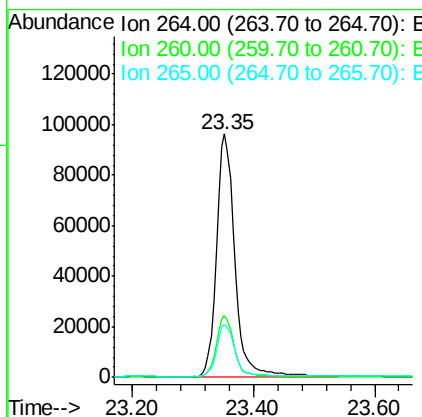
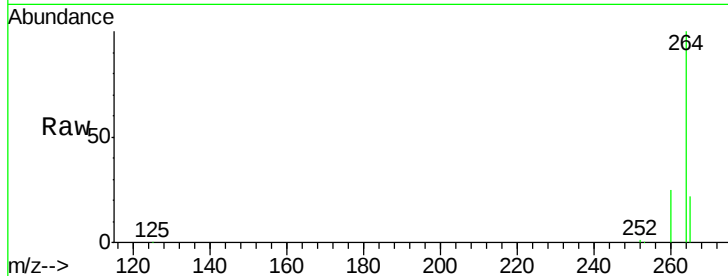




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090813.D
 Acq: 14 Sep 2015 23:54

Instrument :
 BNA_E
 ClientSampleId :
 091215-D534-E-D-S

Tot Ion:264 Resp: 204703
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 21.9 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.74 min Scan# 3818
 Delta R.T. -0.01 min
 Lab File: BE090813.D
 Acq: 14 Sep 2015 23:54

Tgt Ion:278 Resp: 9
 Ion Ratio Lower Upper
 278 100
 139 147.1 15.4 23.0#
 279 122.1 18.8 28.2#

