

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091515\
 Data File : BE090833.D
 Acq On : 15 Sep 2015 15:11
 Operator : UM/IZ
 Sample : G3658-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-M

Quant Time: Sep 15 15:57:33 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	25452	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	115135	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	62983	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	176555	5.00	ng	0.00
25) Chrysene-d12	21.07	240	233693	5.00	ng	0.00
32) Perylene-d12	23.35	264	207721	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	14772	2.99	ng	0.00
5) Phenol-d6	6.75	99	11555	1.63	ng	0.00
7) Nitrobenzene-d5	8.71	82	24546	3.23	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	12354	6.71	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	58497	3.35	ng	0.00
27) Terphenyl-d14	19.53	244	135693	5.25	ng	-0.01

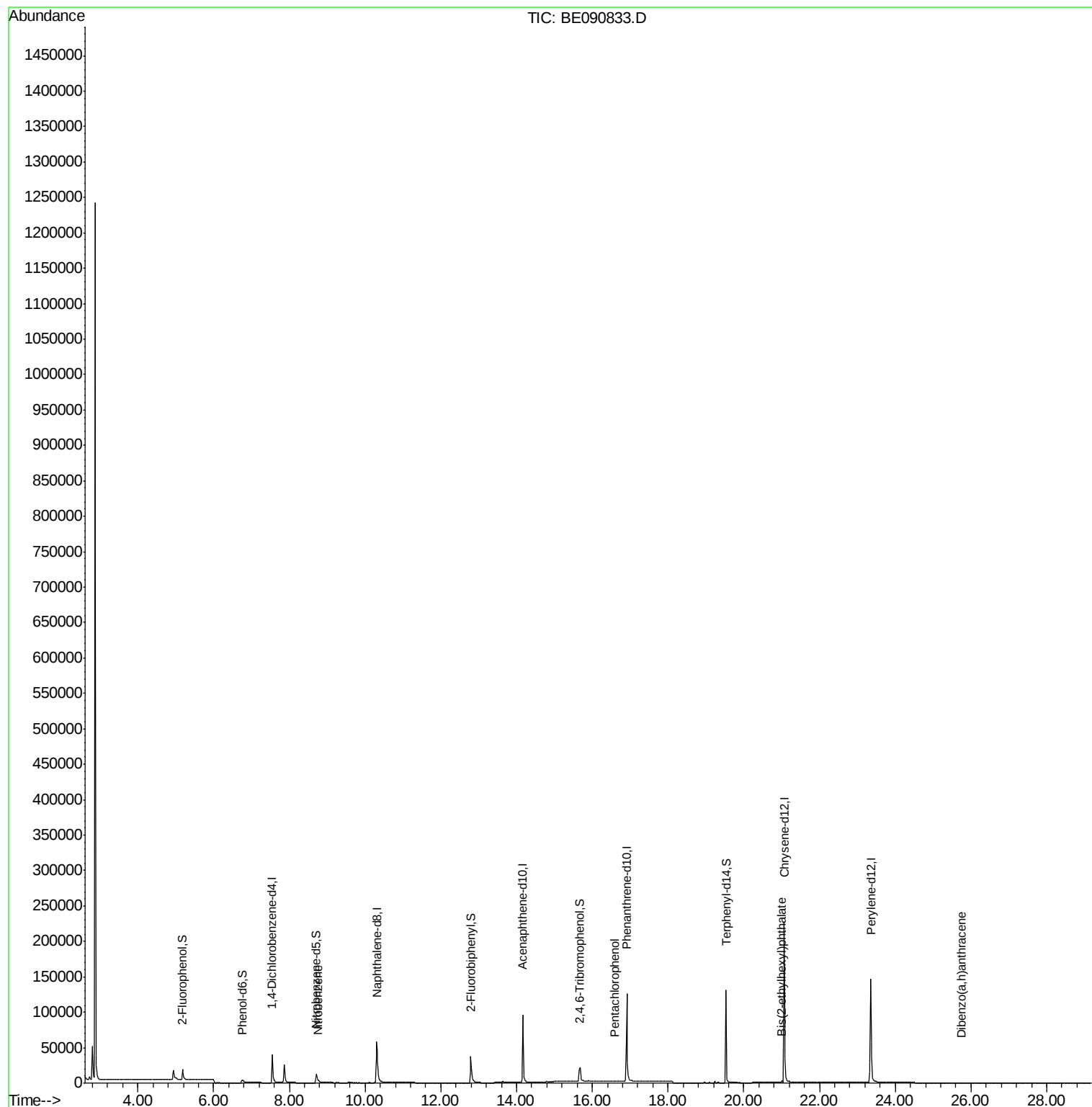
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	80	Below Cal	#	28
3) n-Nitrosodimethylamine	3.43	42	56	Below Cal	#	1
8) Nitrobenzene	8.76	77	11	0.11 ng	#	73
20) Hexachlorobenzene	16.23	284	44	Below Cal	#	1
21) Pentachlorophenol	16.60	266	19	0.47 ng	#	57
29) Chrysene	21.07	228	878	Below Cal	#	77
30) Bis(2-ethylhexyl)phthalate	21.00	149	2762	0.27 ng	#	100
36) Dibenzo(a,h)anthracene	25.74	278	4	0.14 ng	#	1

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

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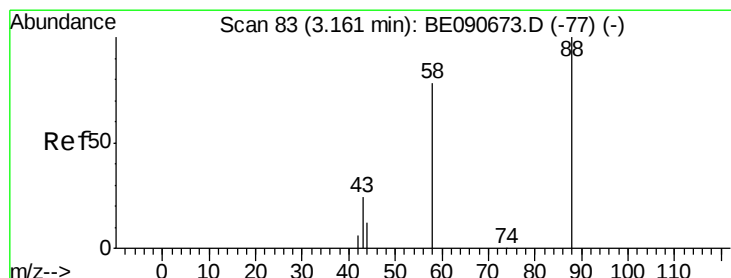
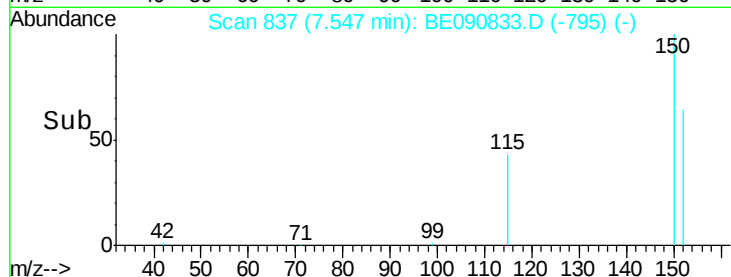
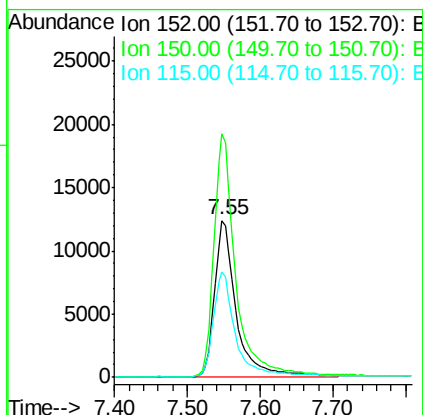
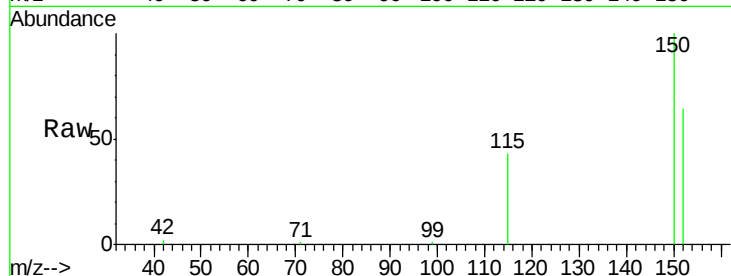


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 837
Delta R.T. -0.01 min
Lab File: BE090833.D
Acq: 15 Sep 2015 15:11

Instrument :
BNA_E
ClientSampleId :
091315-D534-F-U-M

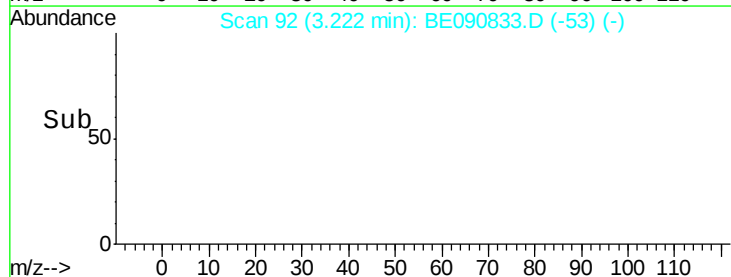
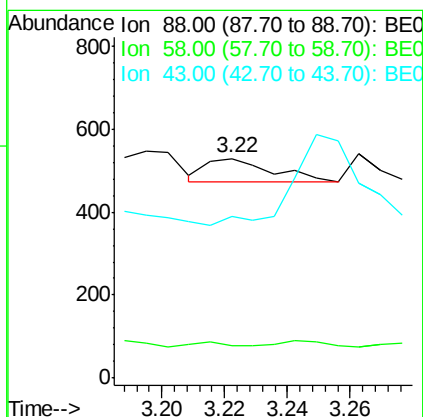
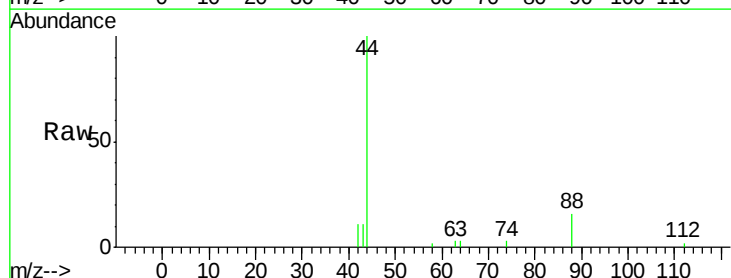
Tgt Ion: 152 Resp: 25452
Ion Ratio Lower Upper
152 100
150 155.3 122.2 183.4
115 67.4 51.0 76.4



#2

1,4-Dioxane
Concen: Below Cal
RT: 3.22 min Scan# 92
Delta R.T. 0.06 min
Lab File: BE090833.D
Acq: 15 Sep 2015 15:11

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
58 15.0 68.4 102.6#
43 0.0 26.9 40.3#



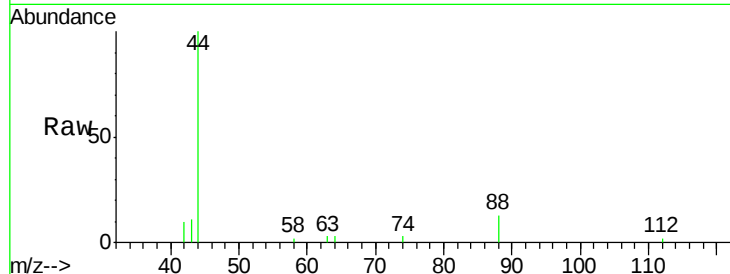


#3

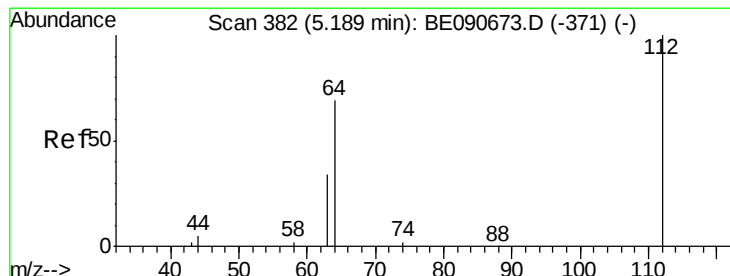
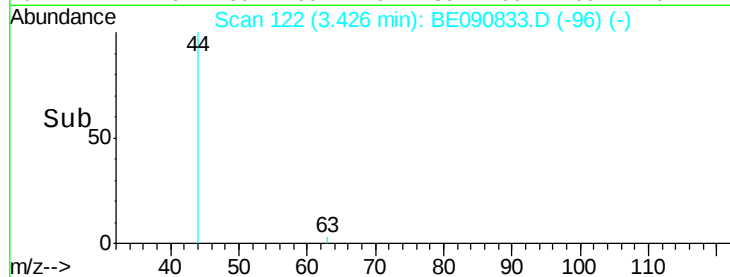
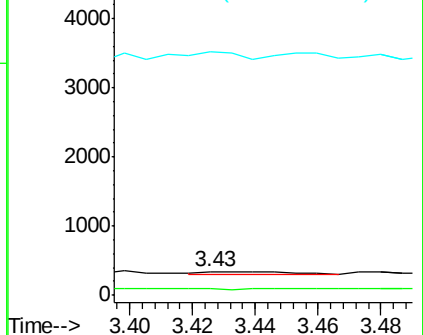
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.43 min Scan# 122
 Delta R.T. -0.03 min
 Lab File: BE090833.D
 Acq: 15 Sep 2015 15:11

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-M

Tgt Ion: 42 Resp: 56
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 253.6 10.0 15.0#



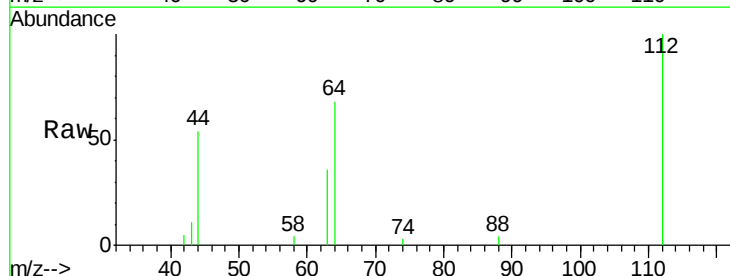
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



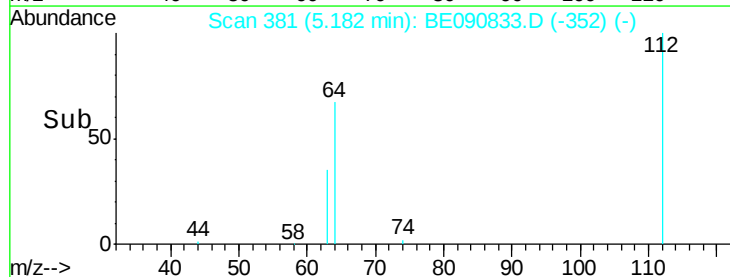
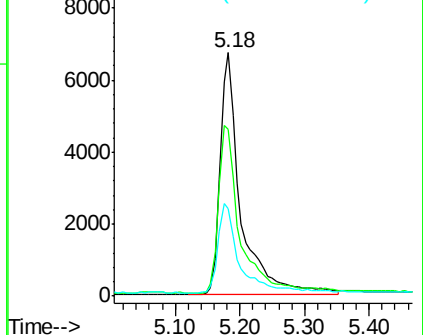
#4

2-Fluorophenol
 Concen: 2.99 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090833.D
 Acq: 15 Sep 2015 15:11

Tgt Ion: 112 Resp: 14772
 Ion Ratio Lower Upper
 112 100
 64 73.3 57.3 85.9
 63 37.8 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: 1.63 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

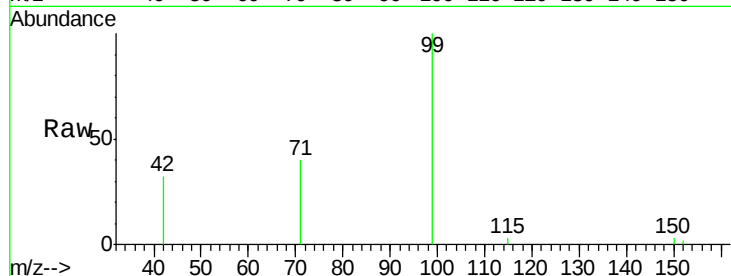
Tgt Ion: 99 Resp: 11555

Ion Ratio Lower Upper

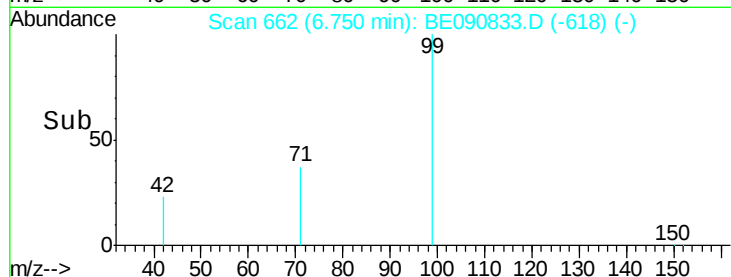
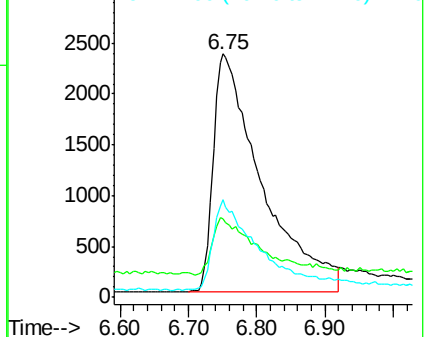
99 100

42 20.0 16.8 25.2

71 35.2 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: BE090833.D

Acq: 15 Sep 2015 15:11

Tgt Ion: 136 Resp: 115135

Ion Ratio Lower Upper

136 100

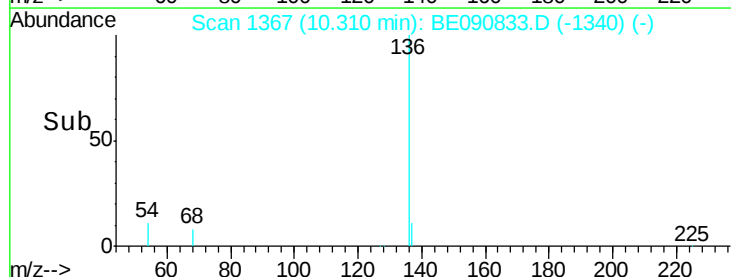
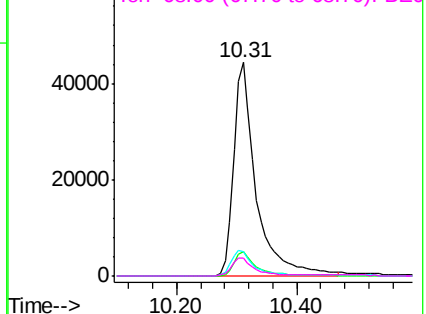
137 11.2 8.7 13.1

54 11.2 9.0 13.6

68 8.2 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: 3.23 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

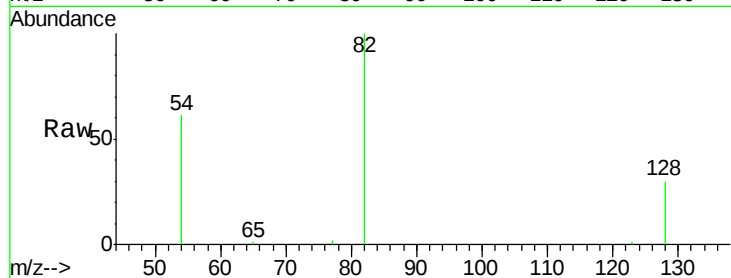
Tgt Ion: 82 Resp: 24546

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

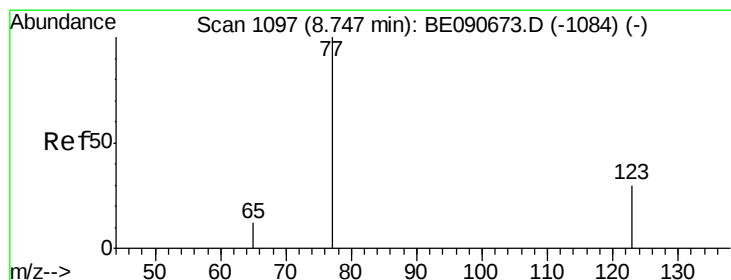
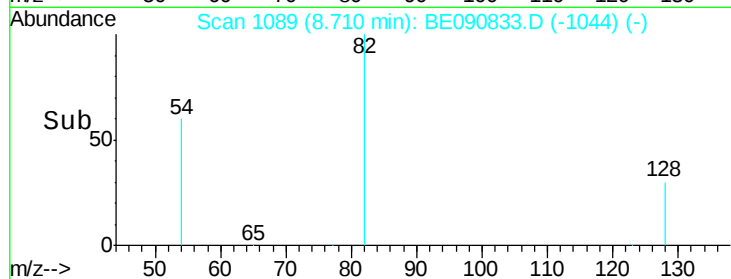
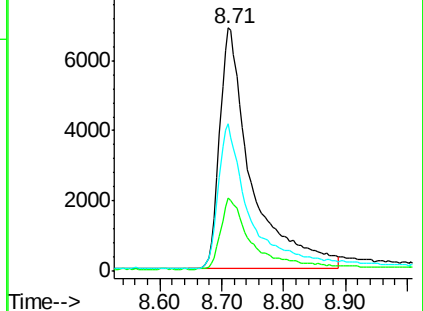
54 60.9 46.3 69.5



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: BE090833.D

Acq: 15 Sep 2015 15:11

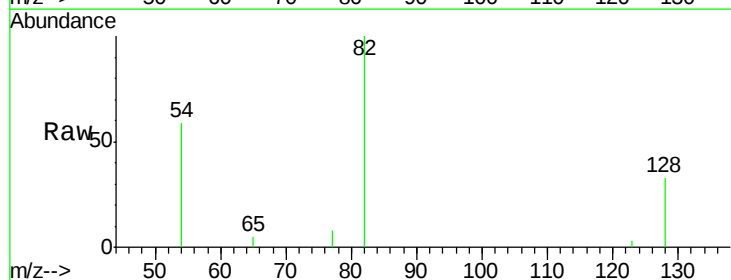
Tgt Ion: 77 Resp: 11

Ion Ratio Lower Upper

77 100

123 45.5 25.1 37.7#

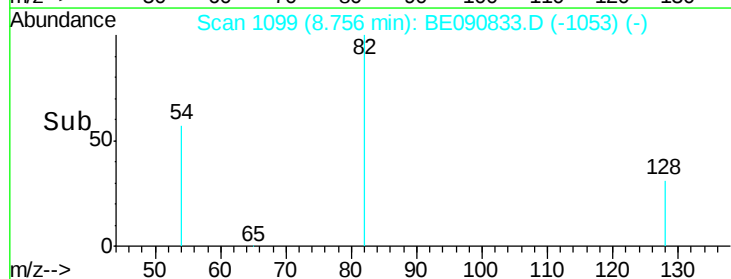
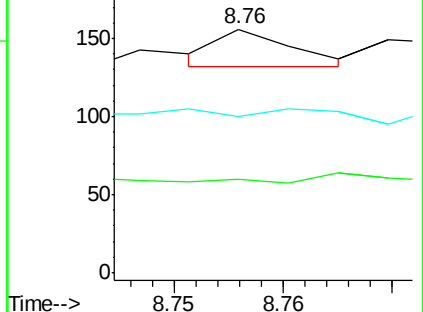
65 0.0 9.9 14.9#



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: BE090833.D

Acq: 15 Sep 2015 15:11

Instrument :

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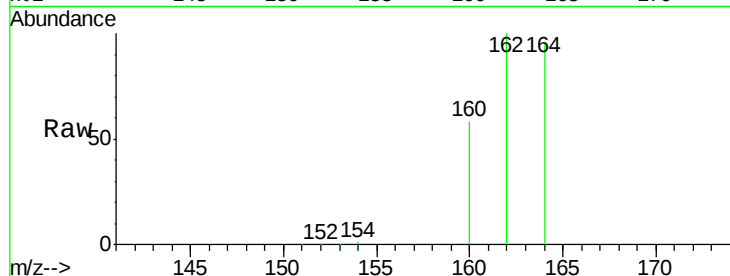
Tgt Ion:164 Resp: 62983

Ion Ratio Lower Upper

164 100

162 104.3 86.8 130.2

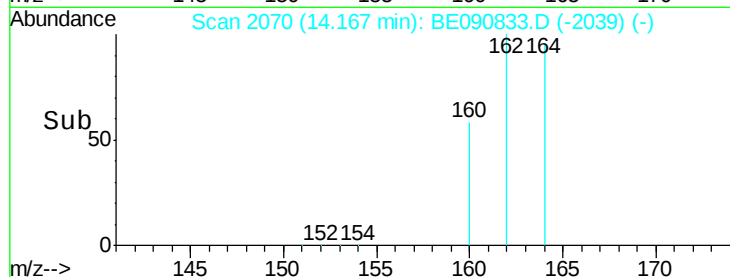
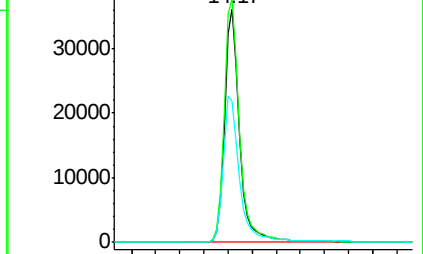
160 60.6 53.9 80.9



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: 6.71 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

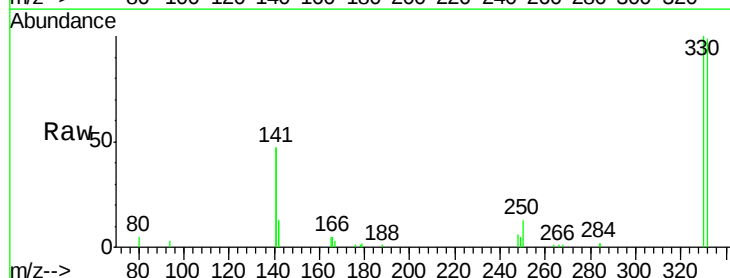
Tgt Ion:330 Resp: 12354

Ion Ratio Lower Upper

330 100

332 97.9 74.9 112.3

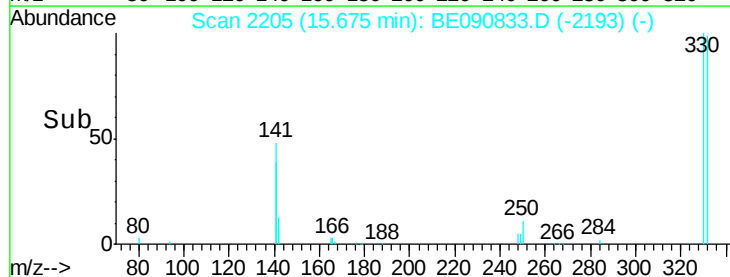
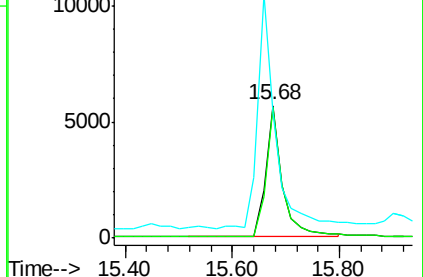
141 185.5 145.2 217.8



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

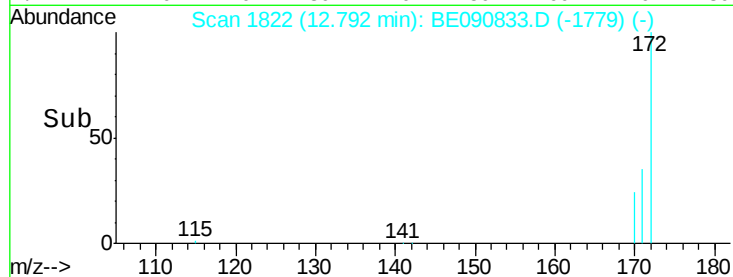
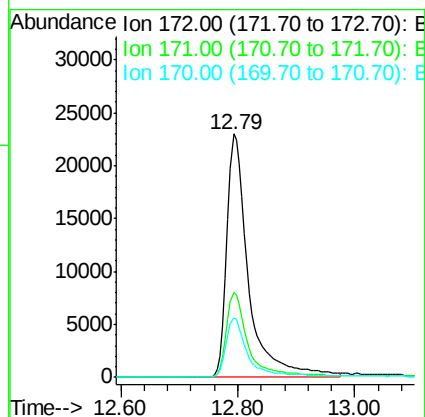
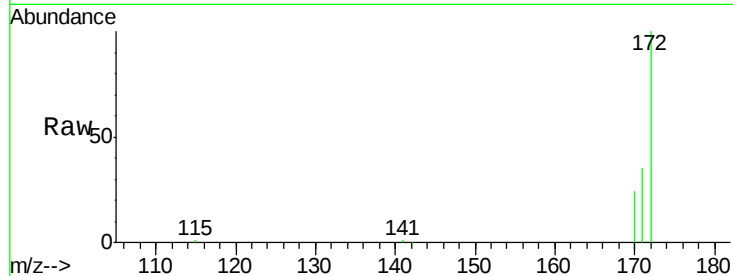




#14
2-Fluorobiphenyl
Concen: 3.35 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090833.D
Acq: 15 Sep 2015 15:11

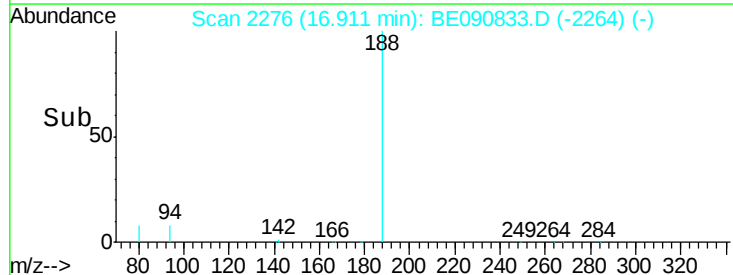
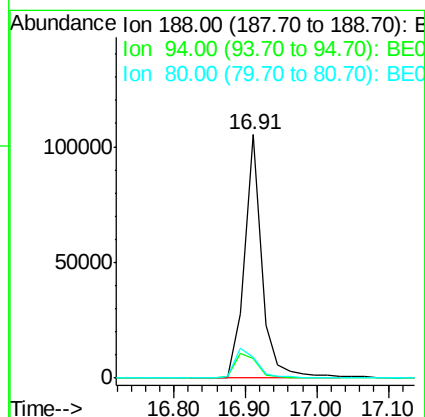
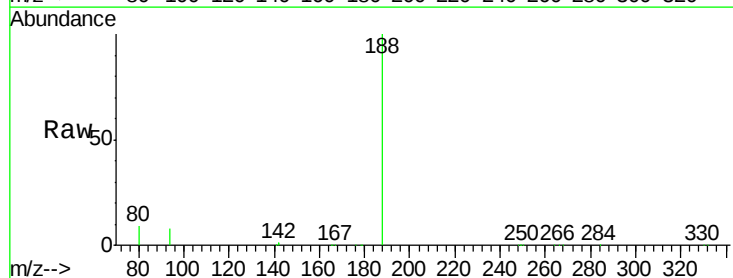
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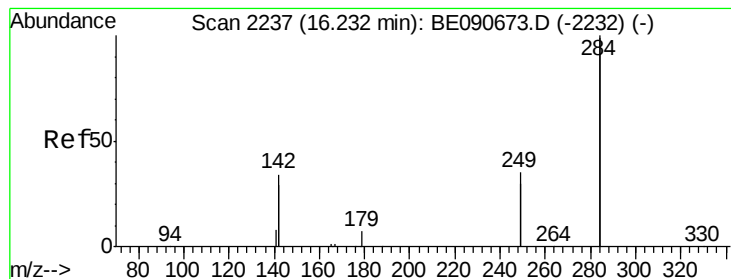
Tgt Ion:172 Resp: 58497
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 24.3 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090833.D
Acq: 15 Sep 2015 15:11

Tgt Ion:188 Resp: 176555
Ion Ratio Lower Upper
188 100
94 8.0 10.3 15.5#
80 8.7 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

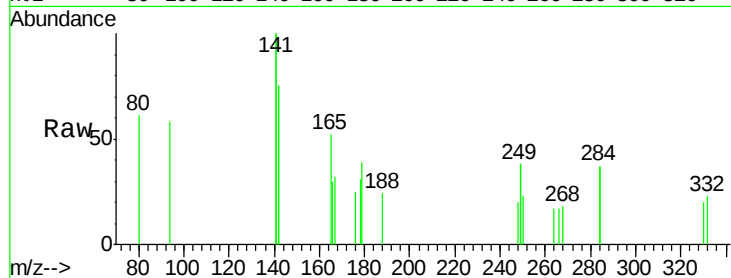
Tgt Ion:284 Resp: 44

Ion Ratio Lower Upper

284 100

142 288.6 35.0 52.4#

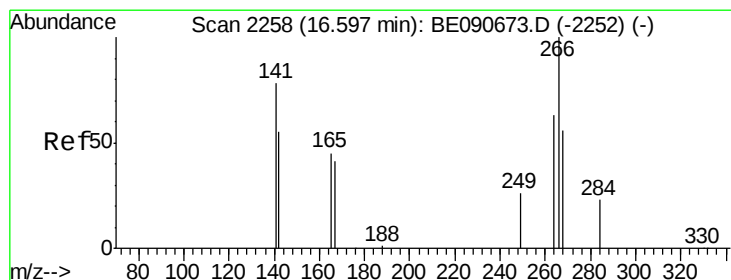
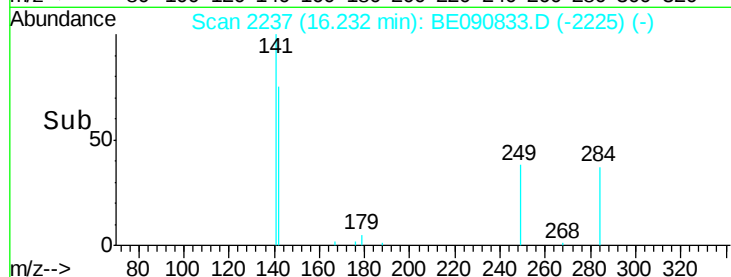
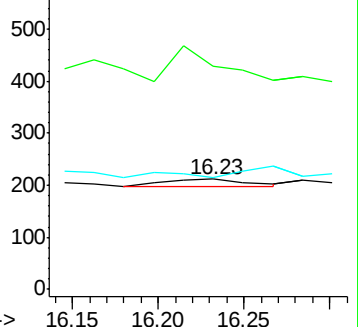
249 0.0 25.5 38.3#



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: 16.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

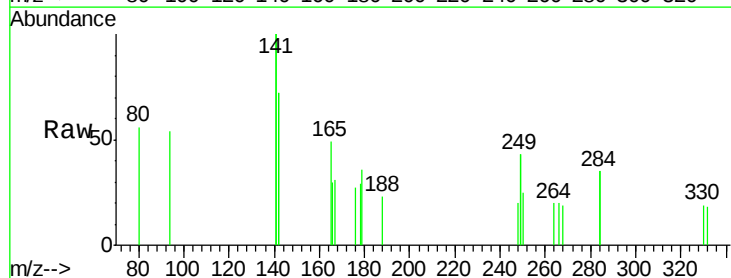
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

268 96.4 49.6 74.4#

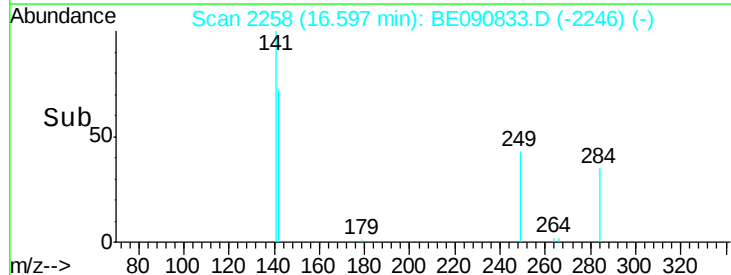
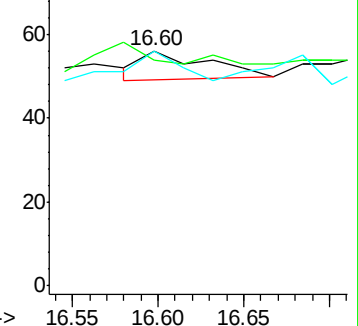
264 100.0 53.9 80.9#



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

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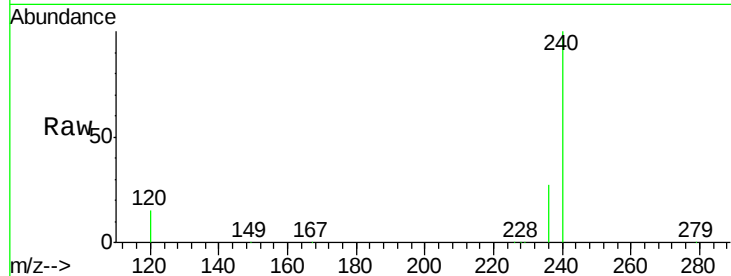
Tgt Ion:240 Resp: 233693

Ion Ratio Lower Upper

240 100

120 14.7 10.1 15.1

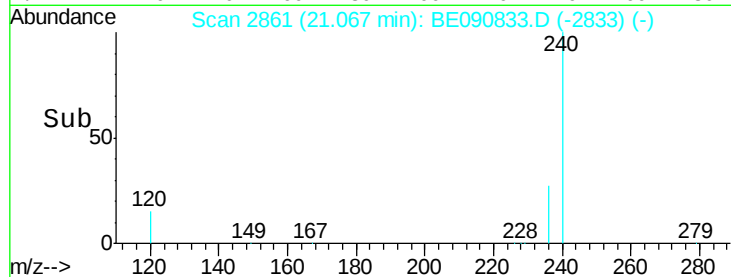
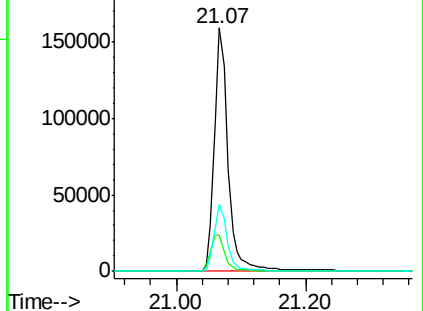
236 27.4 21.9 32.9



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: 5.25 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

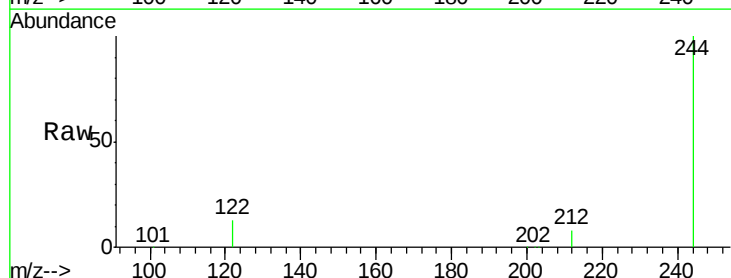
Tgt Ion:244 Resp: 135693

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

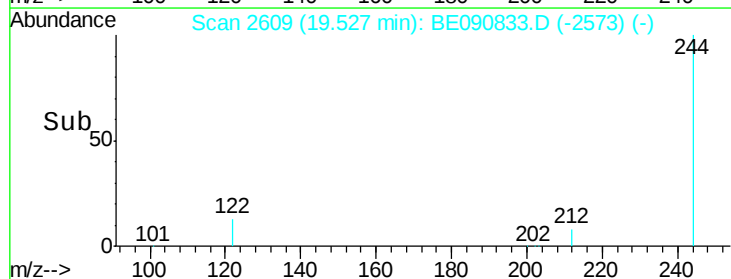
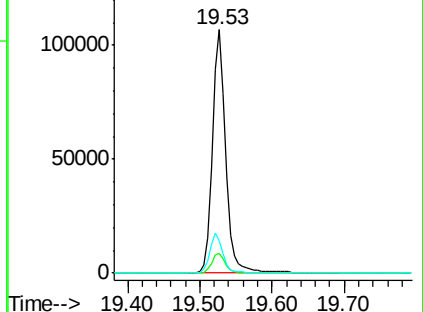
122 13.4 12.9 19.3

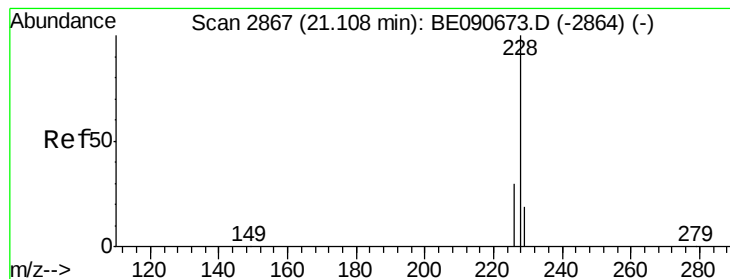


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2861

Delta R.T. -0.04 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-M

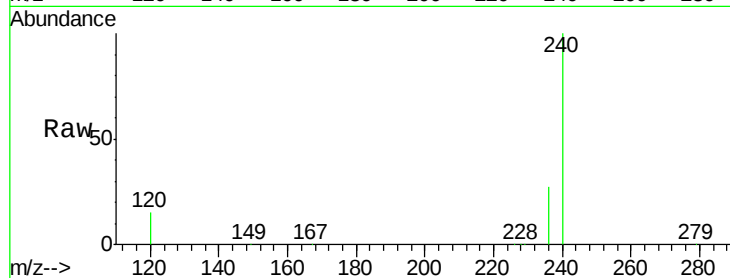
Tgt Ion:228 Resp: 878

Ion Ratio Lower Upper

228 100

226 24.9 24.2 36.4

229 38.4 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

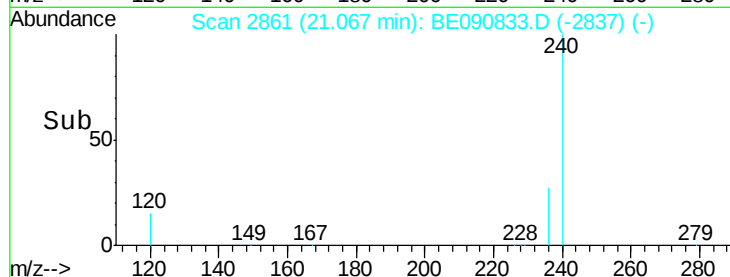
200

400

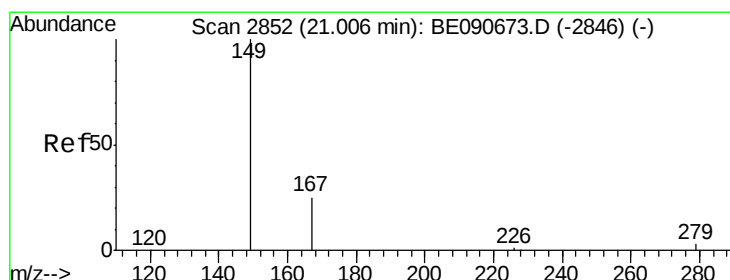
600

800

Time-->



Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090833.D

Acq: 15 Sep 2015 15:11

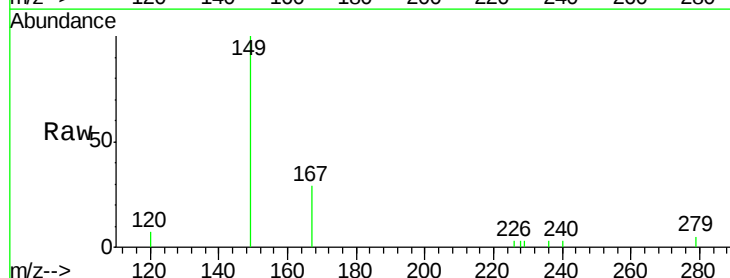
Tgt Ion:149 Resp: 2762

Ion Ratio Lower Upper

149 100

167 25.1 20.1 30.1

279 4.0 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

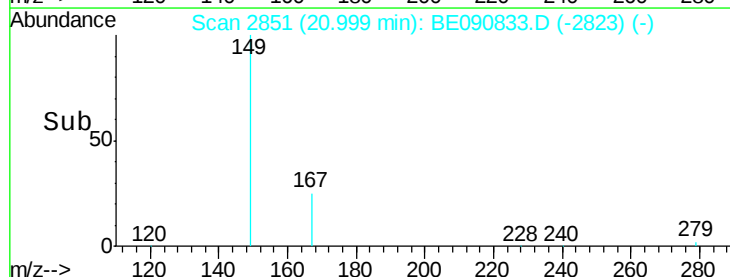
21.00

1000

2000

3000

Time-->



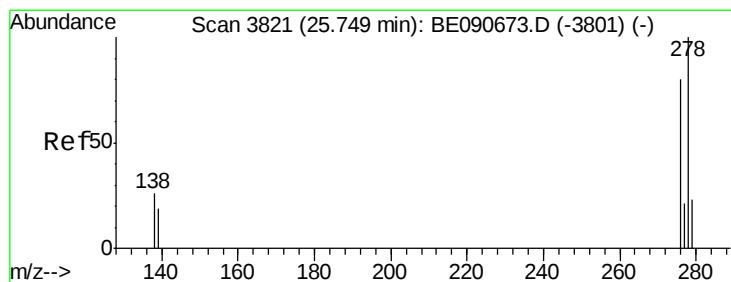
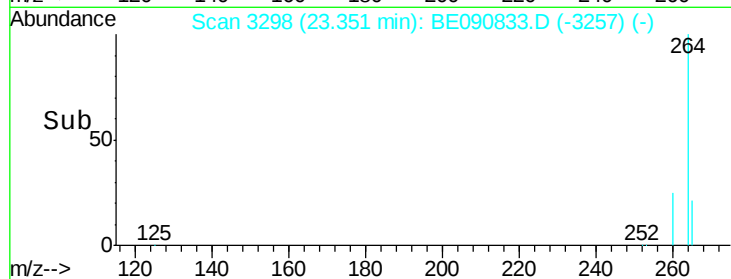
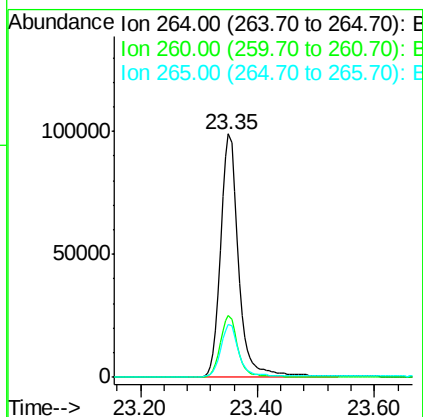
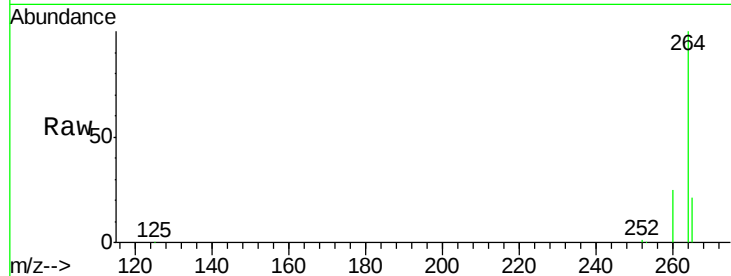
Time-->



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090833.D
 Acq: 15 Sep 2015 15:11

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-M

Tgt Ion: 264 Resp: 207721
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.7 29.5
 265 21.5 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.74 min Scan# 3819
 Delta R.T. -0.01 min
 Lab File: BE090833.D
 Acq: 15 Sep 2015 15:11

Tgt Ion: 278 Resp: 4
 Ion Ratio Lower Upper
 278 100
 139 160.6 15.4 23.0#
 279 125.8 18.8 28.2#

