

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091715\
 Data File : BE090876.D
 Acq On : 17 Sep 2015 22:07
 Operator : UM/IZ
 Sample : G3700-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-D-M

Quant Time: Sep 18 00:47:14 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	32968	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	147983	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	77925	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	187828	5.00	ng	0.00
25) Chrysene-d12	21.07	240	219223	5.00	ng	0.00
32) Perylene-d12	23.35	264	197228	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	26856	4.19	ng	0.00
5) Phenol-d6	6.75	99	21923	2.39	ng	0.00
7) Nitrobenzene-d5	8.71	82	37645	3.85	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	18353	8.02	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	86398	4.00	ng	0.00
27) Terphenyl-d14	19.53	244	150391	6.20	ng	-0.01

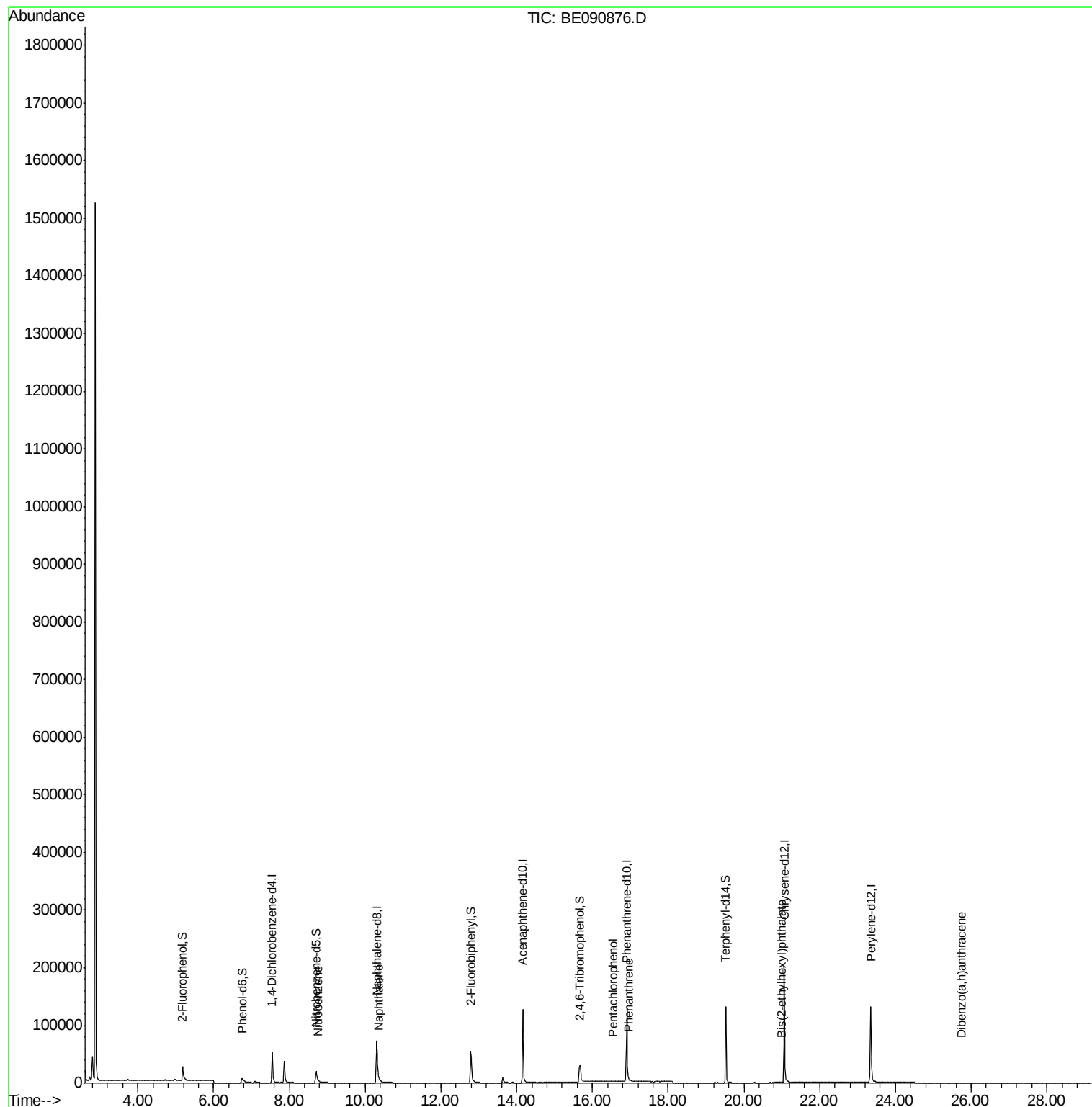
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	74	Below Cal	#	16
3) n-Nitrosodimethylamine	3.45	42	52	Below Cal	#	27
8) Nitrobenzene	8.76	77	12	0.11 ng	#	36
9) Naphthalene	10.36	128	950	0.03 ng	#	71
20) Hexachlorobenzene	16.21	284	73	Below Cal	#	1
21) Pentachlorophenol	16.55	266	8	0.46 ng	#	58
22) Phenanthrene	16.95	178	1243	0.03 ng	#	69
29) Chrysene	21.10	228	516	Below Cal	#	69
30) Bis(2-ethylhexyl)phthalate	21.00	149	911	0.14 ng	#	97
36) Dibenzo(a,h)anthracene	25.75	278	88	0.14 ng	#	1

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

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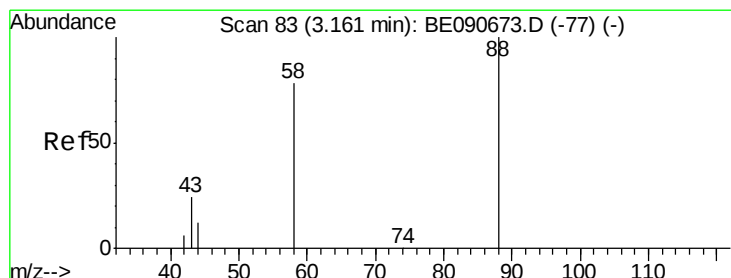
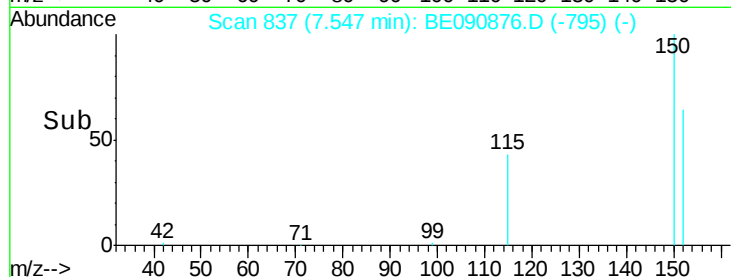
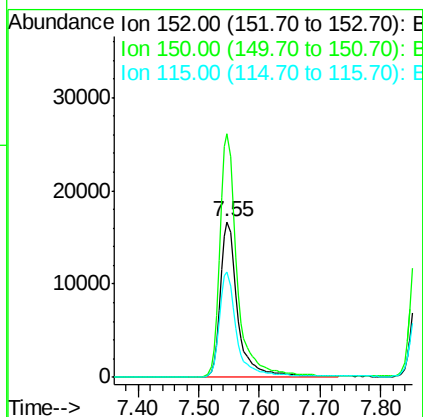
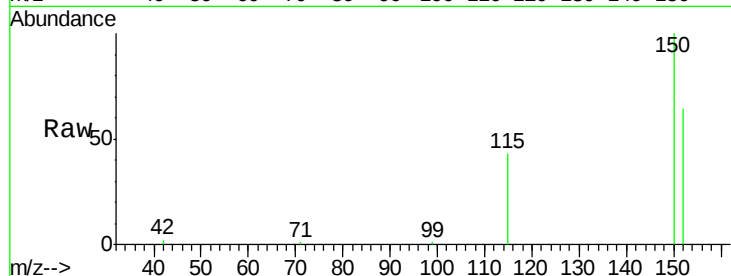


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 837
Delta R.T. -0.01 min
Lab File: BE090876.D
Acq: 17 Sep 2015 22:07

Instrument :
BNA_E
ClientSampleId :
091515-P004-E-D-M

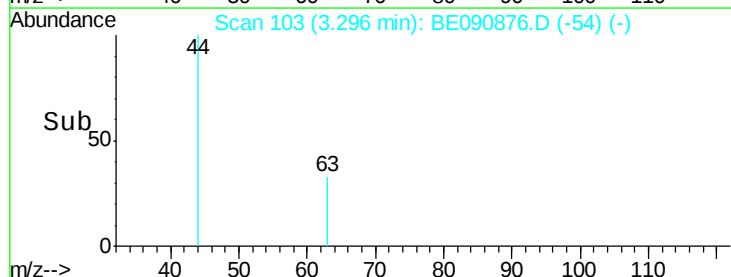
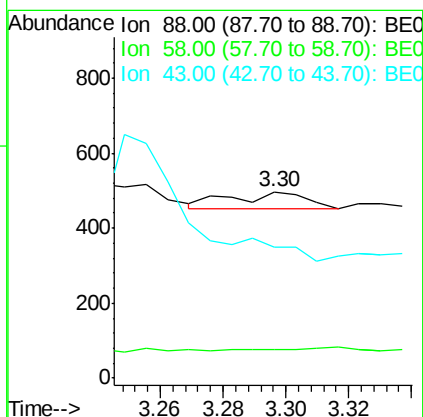
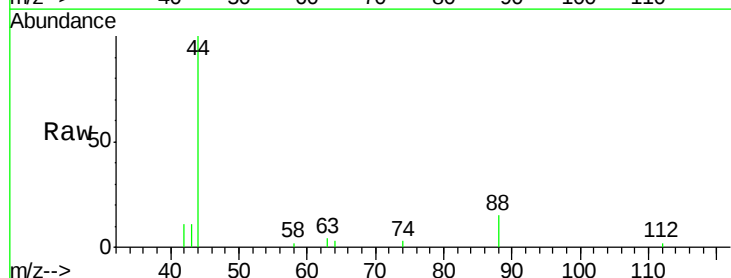
Tot Ion:152 Resp: 32968
Ion Ratio Lower Upper
152 100
150 156.5 122.2 183.4
115 67.4 51.0 76.4



#2

1,4-Dioxane
Concen: Below Cal
RT: 3.30 min Scan# 103
Delta R.T. 0.14 min
Lab File: BE090876.D
Acq: 17 Sep 2015 22:07

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
58 0.0 68.4 102.6#
43 0.0 26.9 40.3#



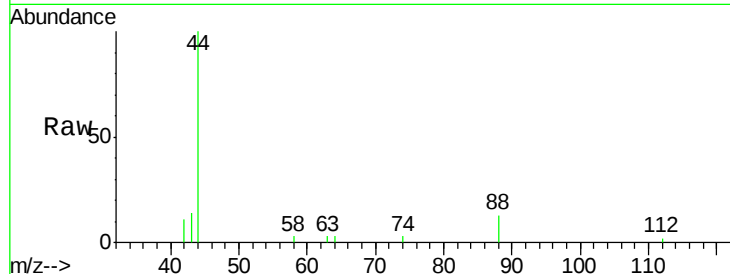


#3

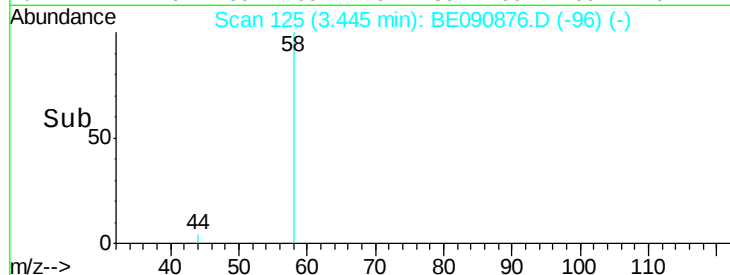
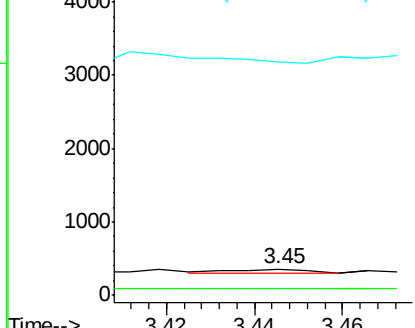
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090876.D
Acq: 17 Sep 2015 22:07

Instrument :
BNA_E
ClientSampleId :
091515-P004-E-D-M

Tot Ion: 42 Resp: 52
Ion Ratio Lower Upper
42 100
74 25.0 83.7 125.5#
44 0.0 10.0 15.0#



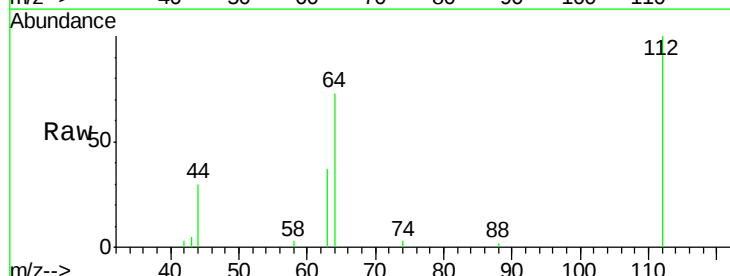
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



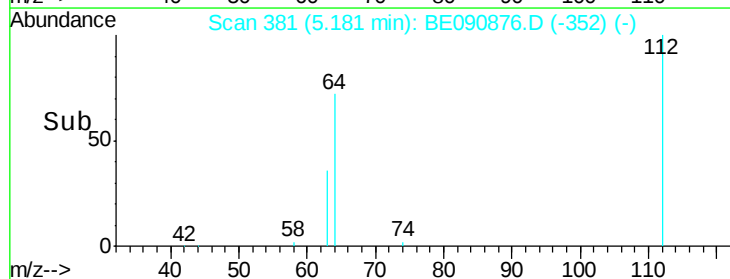
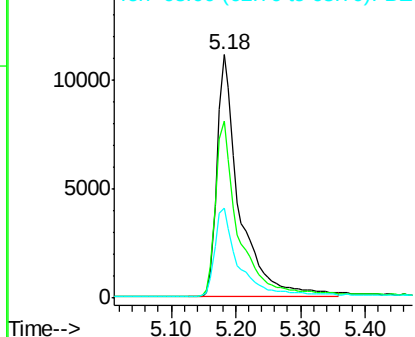
#4

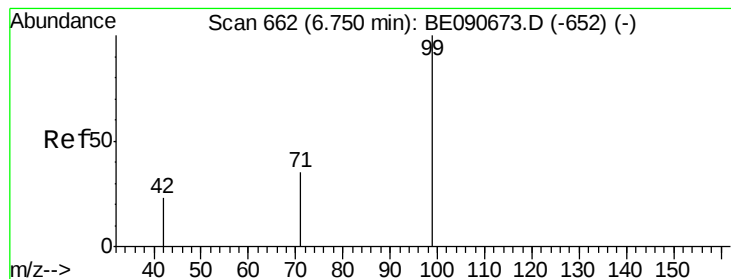
2-Fluorophenol
Concen: 4.19 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.01 min
Lab File: BE090876.D
Acq: 17 Sep 2015 22:07

Tgt Ion: 112 Resp: 26856
Ion Ratio Lower Upper
112 100
64 73.3 57.3 85.9
63 37.9 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: 2.39 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-D-M

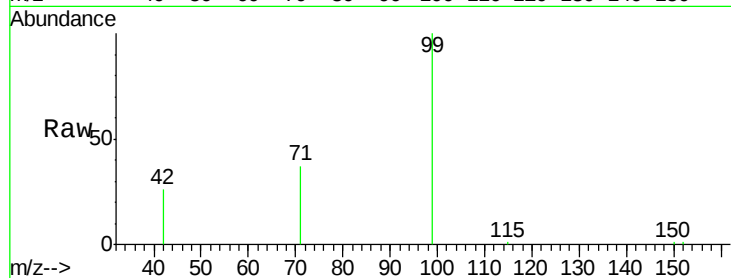
Tot Ion: 99 Resp: 21923

Ion Ratio Lower Upper

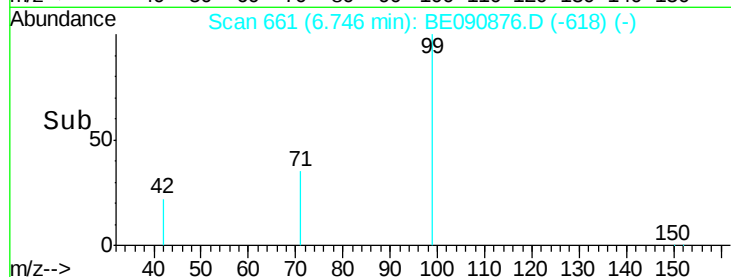
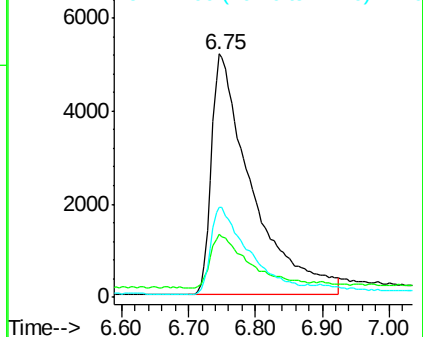
99 100

42 21.3 16.8 25.2

71 34.7 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: BE090876.D

Acq: 17 Sep 2015 22:07

Tgt Ion: 136 Resp: 147983

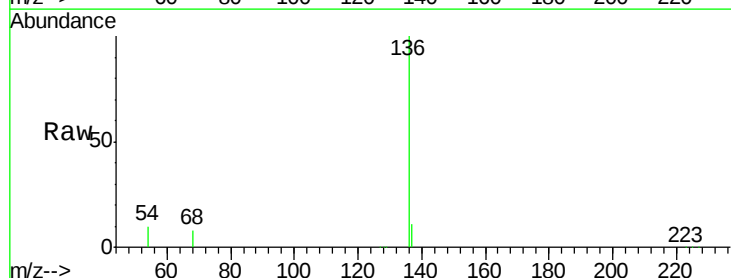
Ion Ratio Lower Upper

136 100

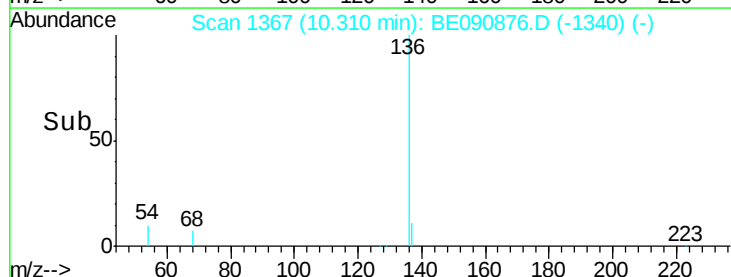
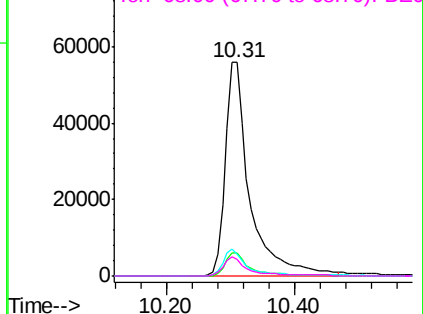
137 10.9 8.7 13.1

54 10.4 9.0 13.6

68 7.6 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: 3.85 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-D-M

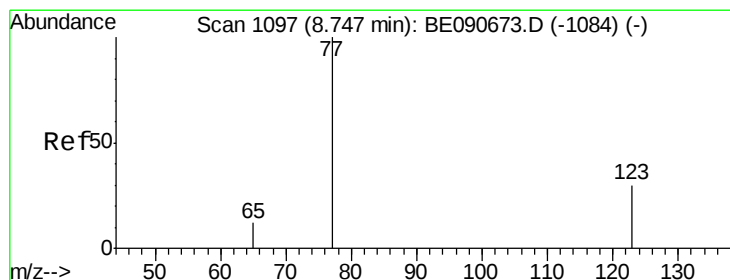
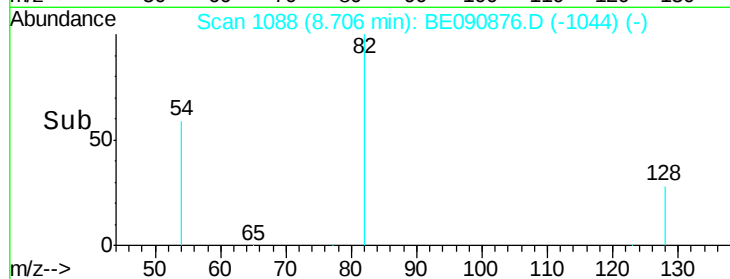
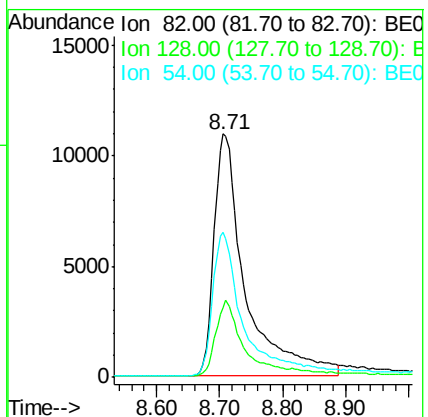
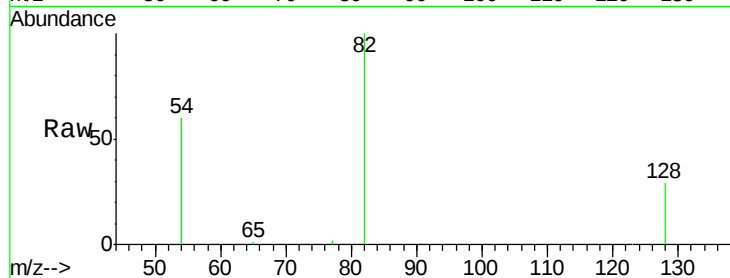
Tot Ion: 82 Resp: 37645

Ion Ratio Lower Upper

82 100

128 28.8 25.0 37.4

54 59.6 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

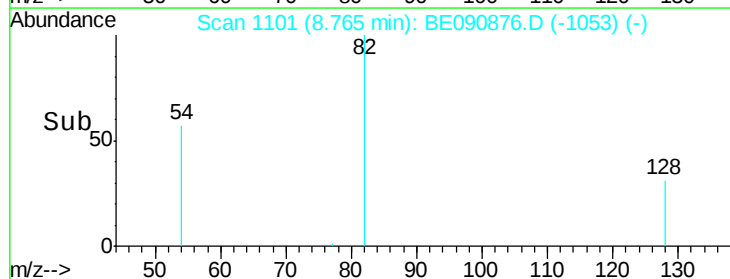
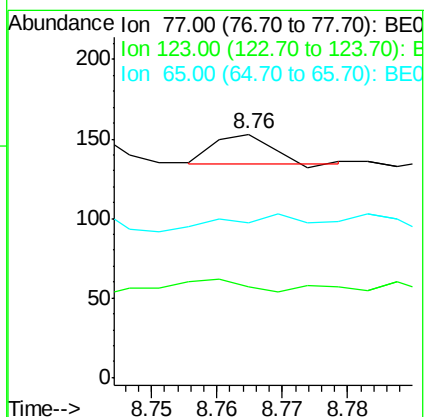
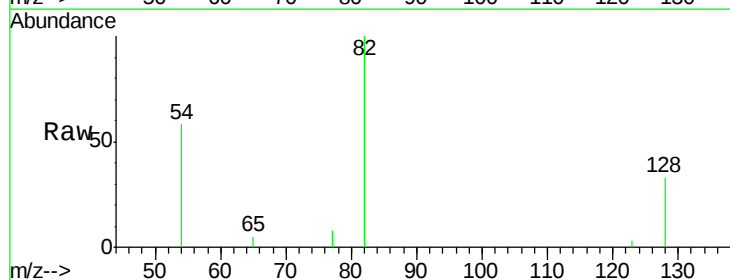
Tgt Ion: 77 Resp: 12

Ion Ratio Lower Upper

77 100

123 16.7 25.1 37.7#

65 75.0 9.9 14.9#





#9

Naphthalene

Concen: 0.03 ng

RT: 10.36 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-D-M

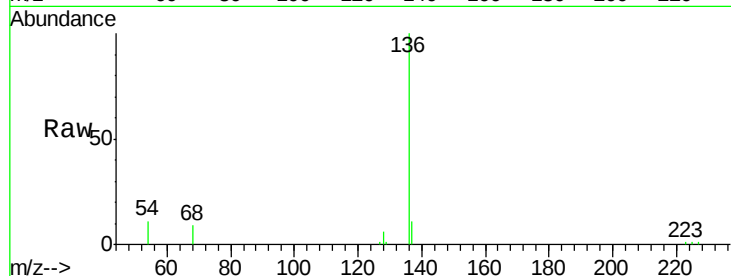
Tot Ion:128 Resp: 950

Ion Ratio Lower Upper

128 100

129 23.5 9.0 13.6#

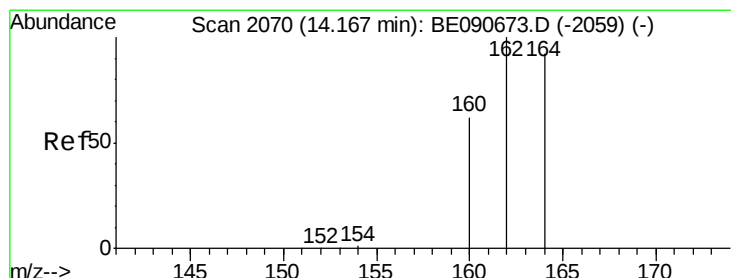
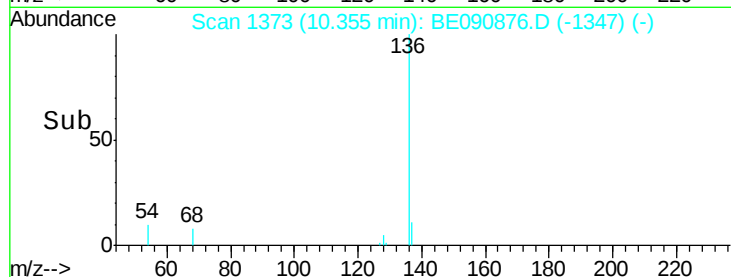
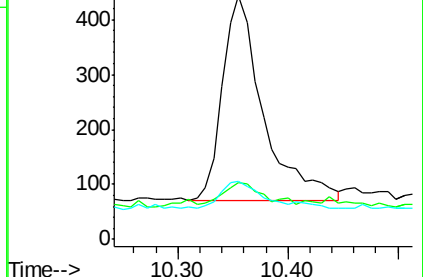
127 23.7 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

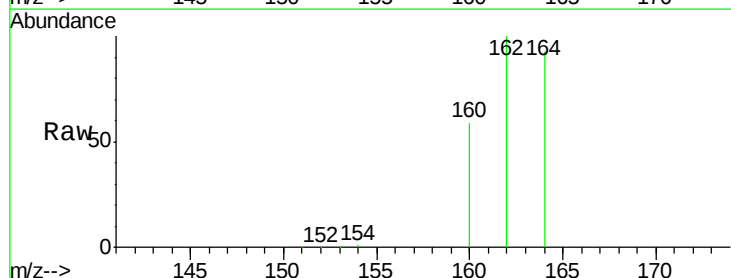
Tgt Ion:164 Resp: 77925

Ion Ratio Lower Upper

164 100

162 107.1 86.8 130.2

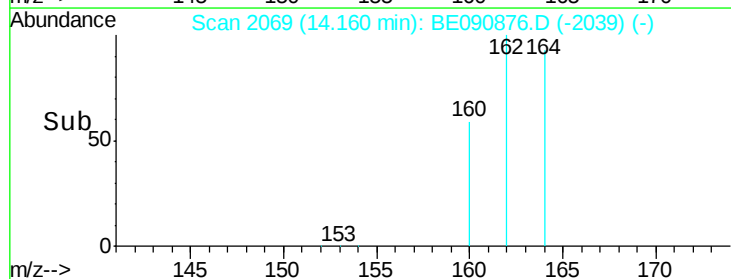
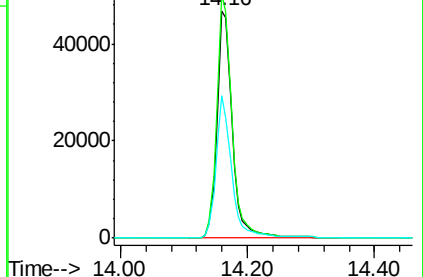
160 62.8 53.9 80.9

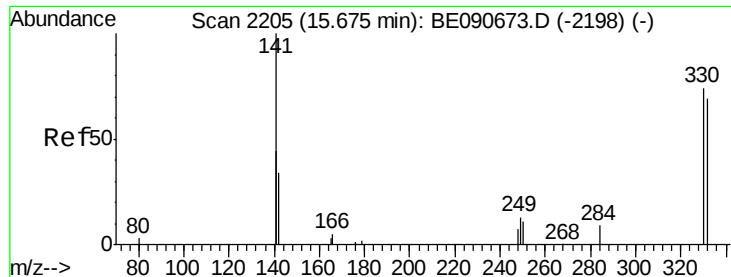


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

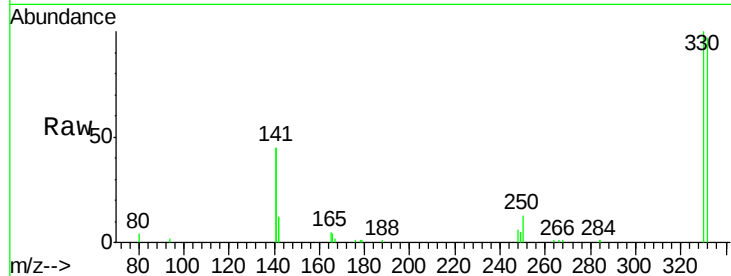




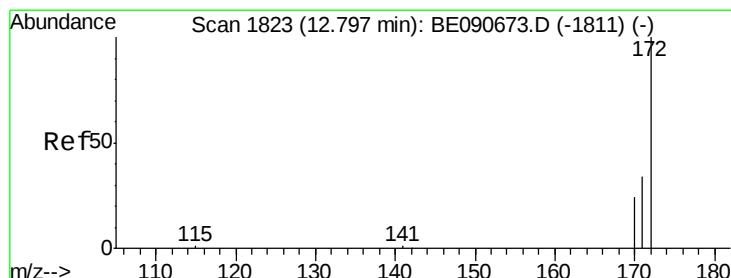
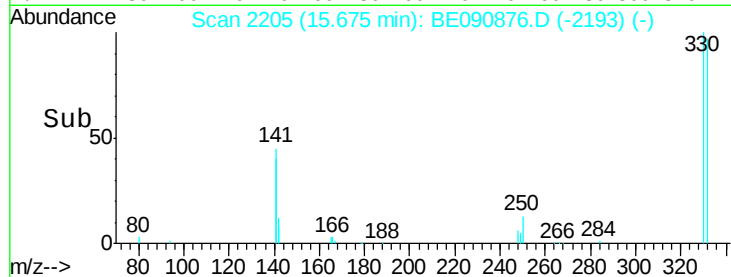
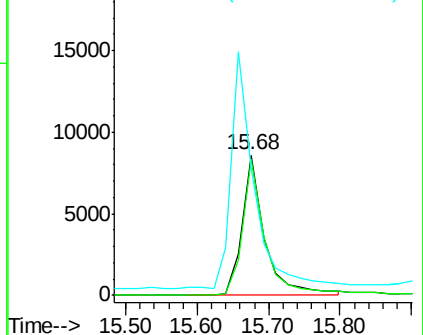
#13
 2,4,6-Tribromophenol
 Concen: 8.02 ng
 RT: 15.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE090876.D
 Acq: 17 Sep 2015 22:07

Instrument :
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 091515-P004-E-D-M

Tot Ion:330 Resp: 18353
 Ion Ratio Lower Upper
 330 100
 332 95.9 74.9 112.3
 141 178.7 145.2 217.8

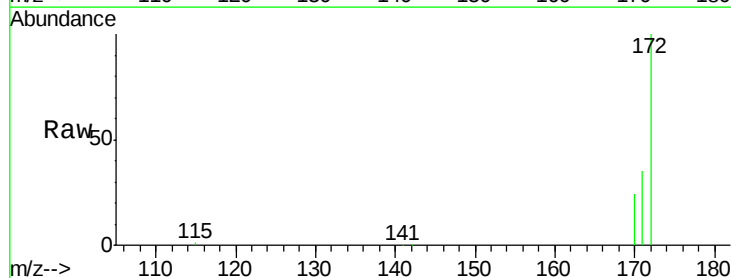


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

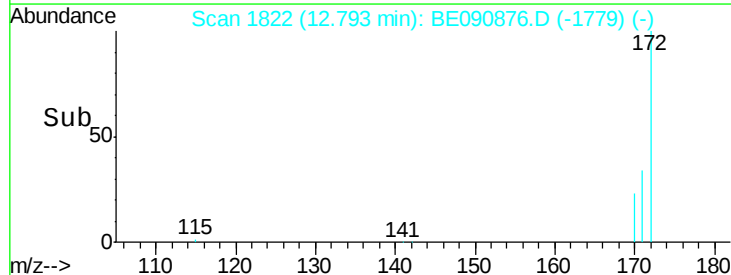
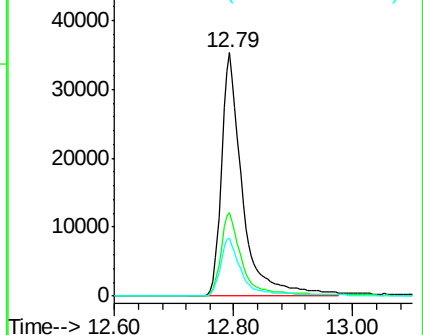


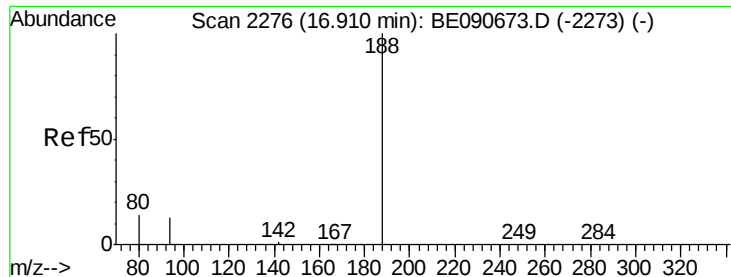
#14
 2-Fluorobiphenyl
 Concen: 4.00 ng
 RT: 12.79 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BE090876.D
 Acq: 17 Sep 2015 22:07

Tgt Ion:172 Resp: 86398
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.8 41.8
 170 23.6 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: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

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091515-P004-E-D-M

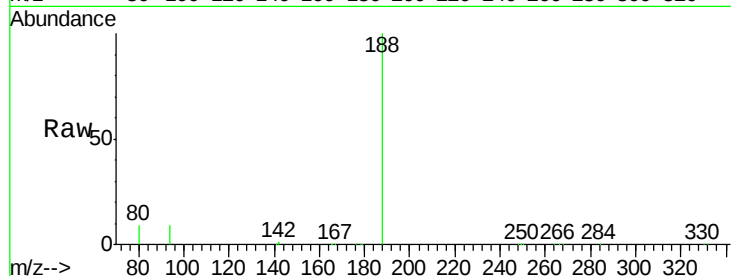
Tot Ion:188 Resp: 187828

Ion Ratio Lower Upper

188 100

94 8.6 10.3 15.5#

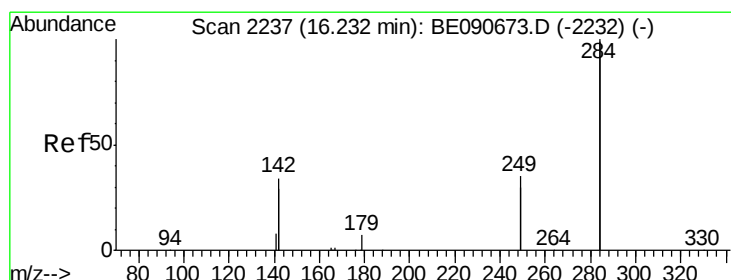
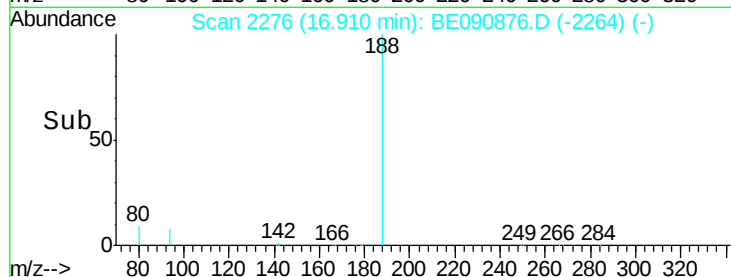
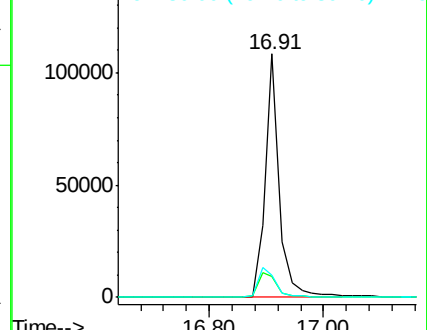
80 9.1 11.0 16.6#



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: 16.21 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

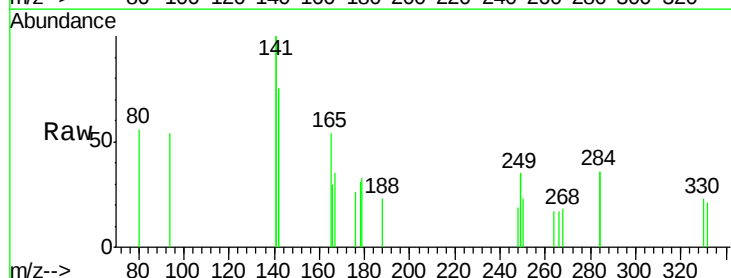
Tgt Ion:284 Resp: 73

Ion Ratio Lower Upper

284 100

142 211.0 35.0 52.4#

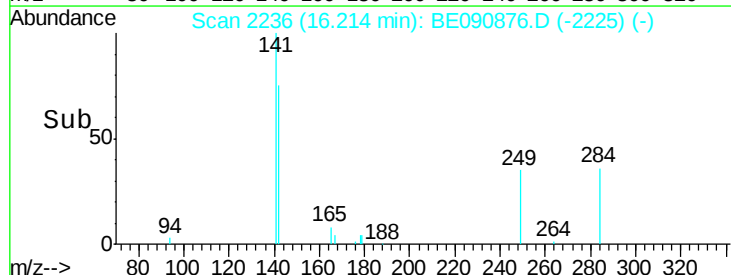
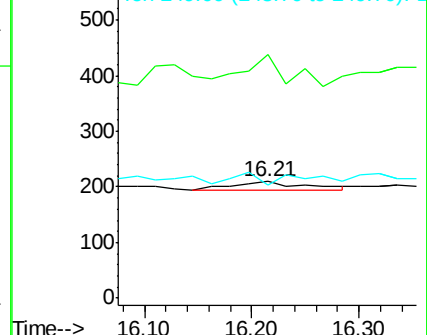
249 71.2 25.5 38.3#

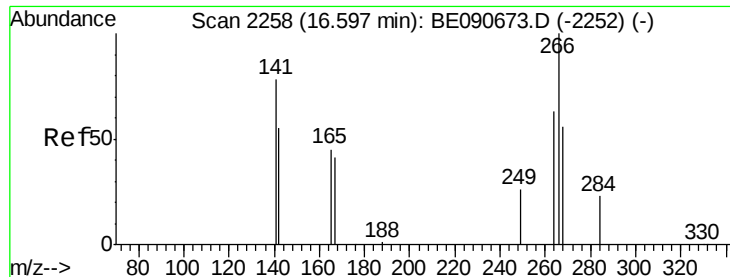


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

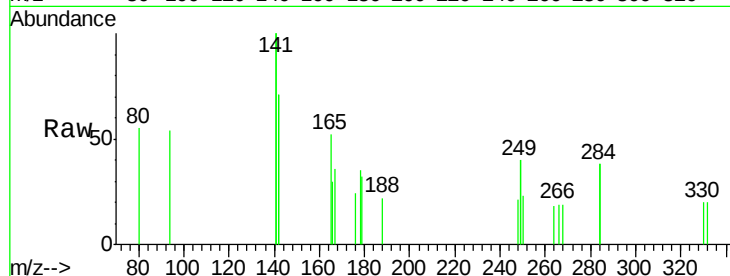




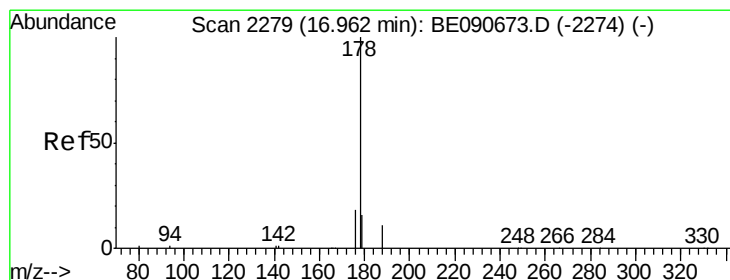
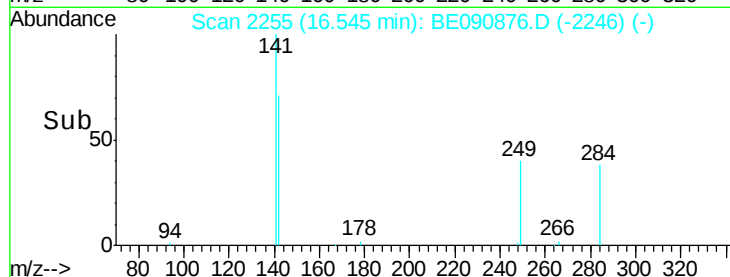
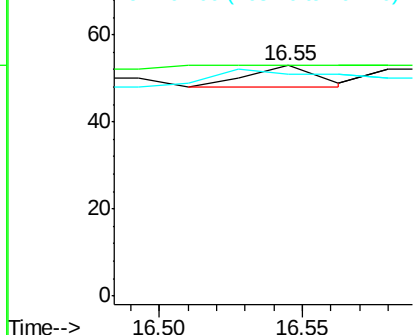
#21
 Pentachlorophenol
 Concen: 0.46 ng
 RT: 16.55 min Scan# 2255
 Delta R.T. -0.05 min
 Lab File: BE090876.D
 Acq: 17 Sep 2015 22:07

Instrument :
 BNA_E
 ClientSampleId :
 091515-P004-E-D-M

Tot Ion:266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 268 100.0 49.6 74.4#
 264 96.2 53.9 80.9#

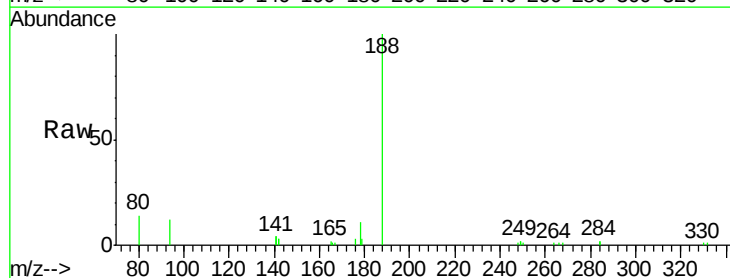


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

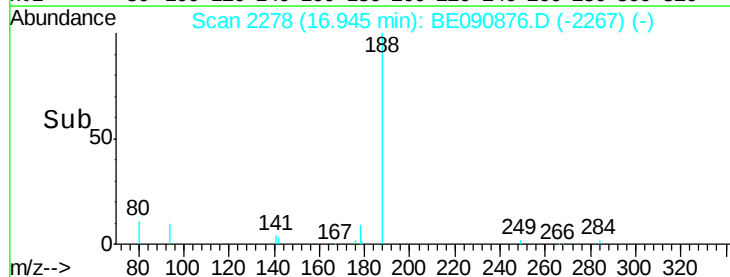
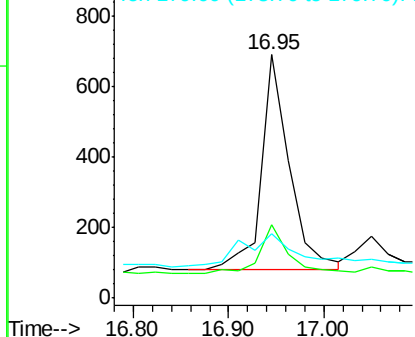


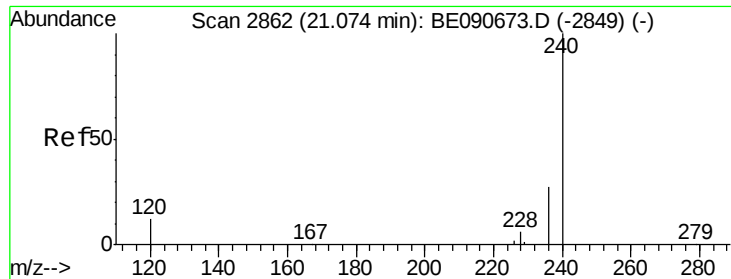
#22
 Phenanthrene
 Concen: 0.03 ng
 RT: 16.95 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BE090876.D
 Acq: 17 Sep 2015 22:07

Tgt Ion:178 Resp: 1243
 Ion Ratio Lower Upper
 178 100
 176 24.9 15.6 23.4#
 179 38.8 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-D-M

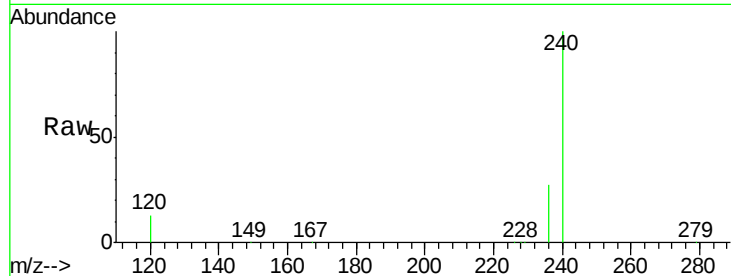
Tot Ion:240 Resp: 219223

Ion Ratio Lower Upper

240 100

120 13.4 10.1 15.1

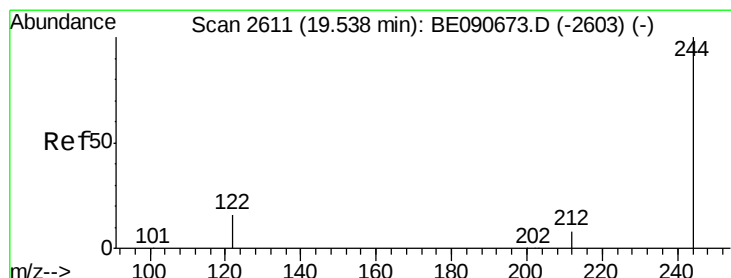
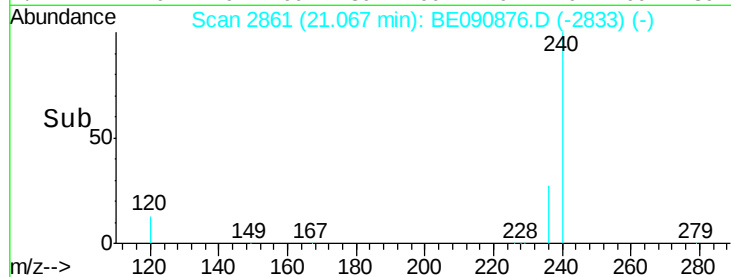
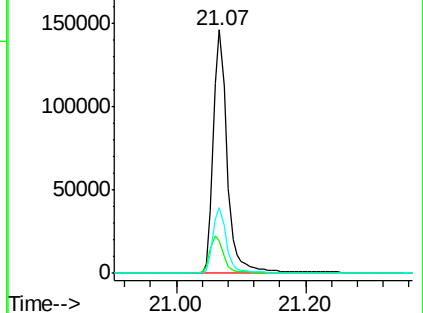
236 26.9 21.9 32.9



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: 6.20 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

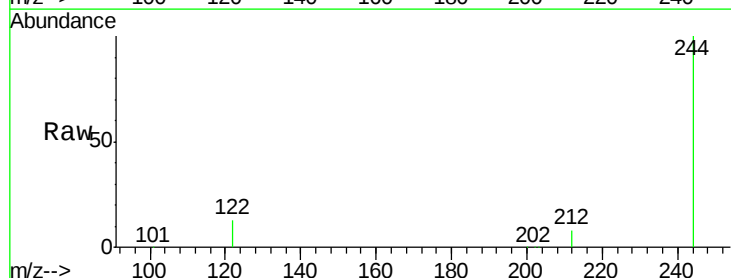
Tgt Ion:244 Resp: 150391

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

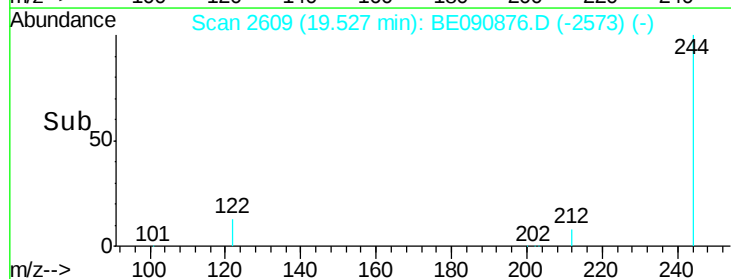
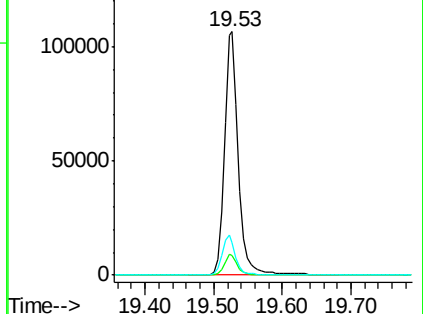
122 13.3 12.9 19.3

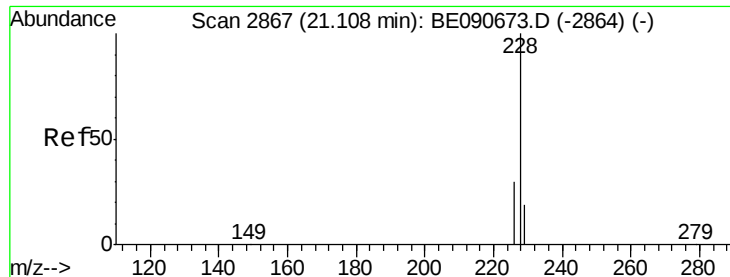


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

Instrument :

BNA_E

ClientSampleId :

091515-P004-E-D-M

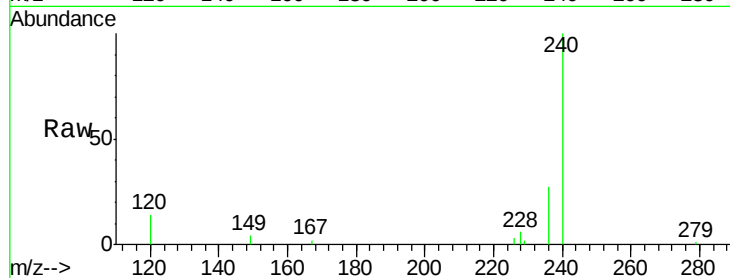
Tot Ion:228 Resp: 516

Ion Ratio Lower Upper

228 100

226 45.1 24.2 36.4#

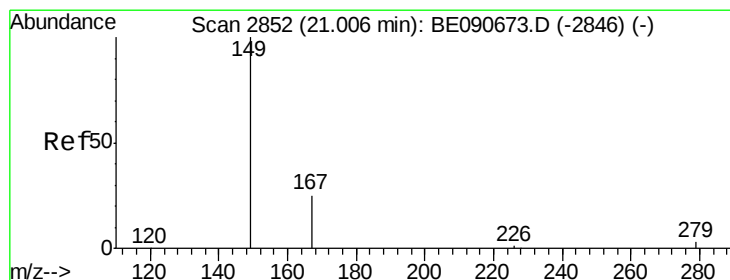
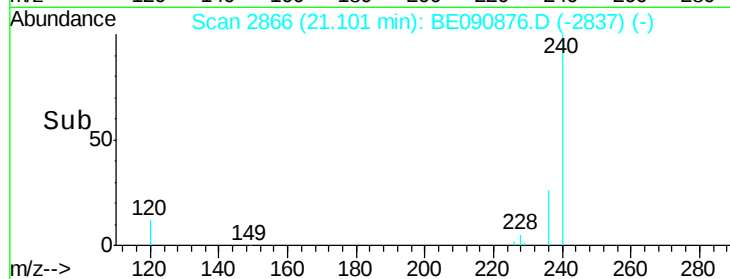
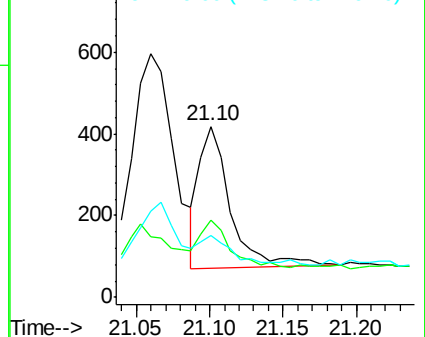
229 36.0 15.3 22.9#



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: 0.14 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090876.D

Acq: 17 Sep 2015 22:07

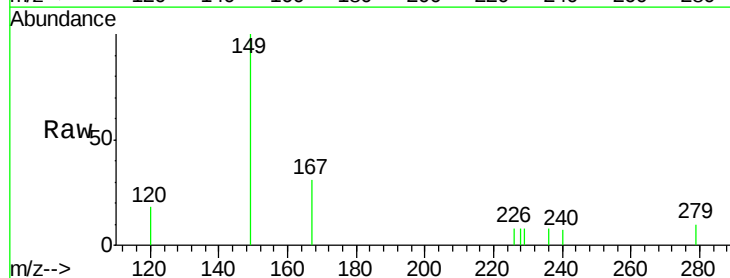
Tgt Ion:149 Resp: 911

Ion Ratio Lower Upper

149 100

167 23.5 20.1 30.1

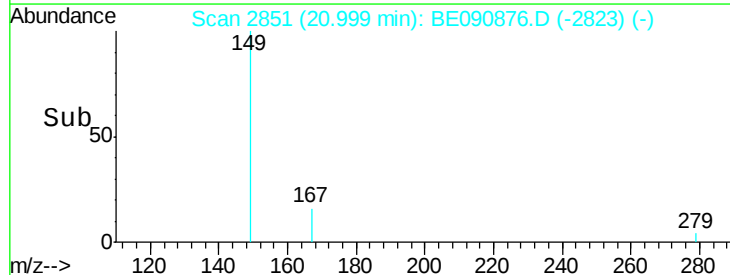
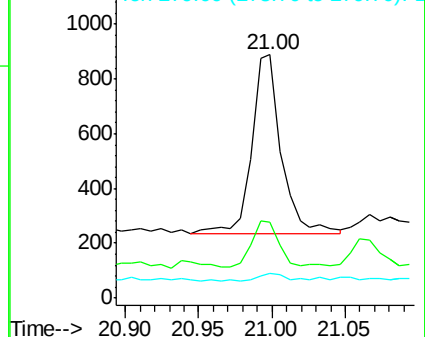
279 3.7 2.3 3.5#

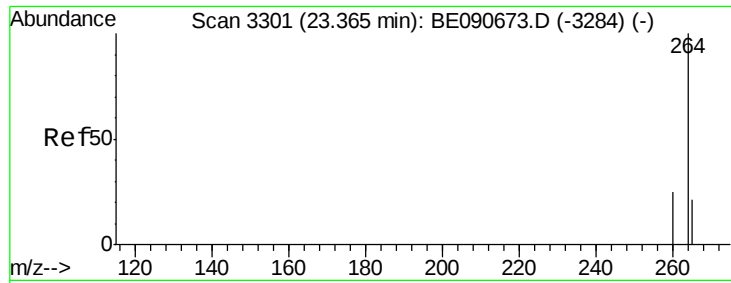


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

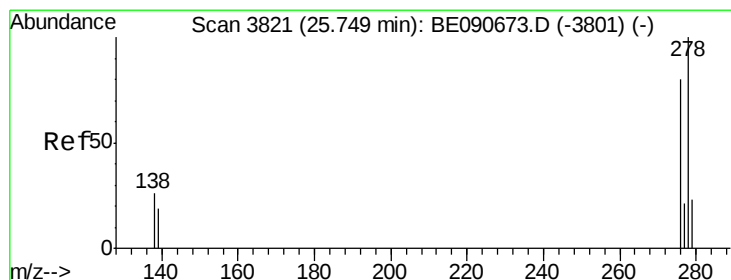
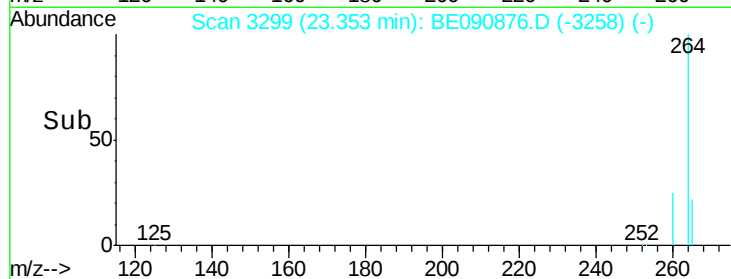
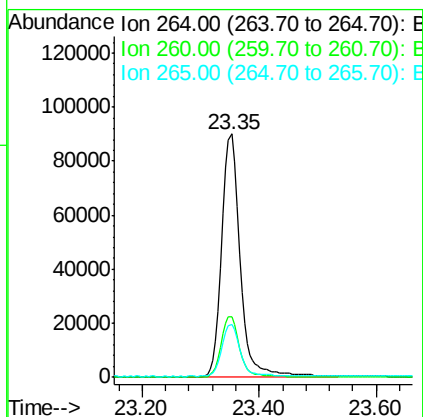
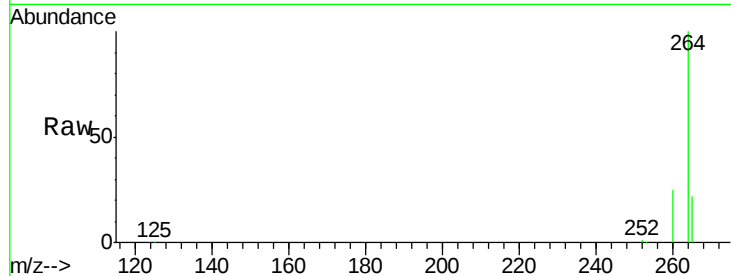




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090876.D
Acq: 17 Sep 2015 22:07

Instrument :
BNA_E
ClientSampleId :
091515-P004-E-D-M

Tot Ion:264 Resp: 197228
Ion Ratio Lower Upper
264 100
260 24.9 19.7 29.5
265 21.9 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: BE090876.D
Acq: 17 Sep 2015 22:07

Tgt Ion:278 Resp: 88
Ion Ratio Lower Upper
278 100
139 110.0 15.4 23.0#
279 88.0 18.8 28.2#

