

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090861.D
 Acq On : 17 Sep 2015 12:13
 Operator : UM/IZ
 Sample : G3679-06RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WCSB5W

Quant Time: Sep 17 13:06:30 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	46317	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	215829	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	117150	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	283361	5.00	ng	0.00
25) Chrysene-d12	21.07	240	329359	5.00	ng	0.00
32) Perylene-d12	23.35	264	308661	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	10390	1.17	ng	0.00
5) Phenol-d6	6.75	99	12893	1.00	ng	0.00
7) Nitrobenzene-d5	8.70	82	33417	2.34	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	7035	2.16	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	77362	2.38	ng	0.00
27) Terphenyl-d14	19.52	244	122378	3.36	ng	-0.02

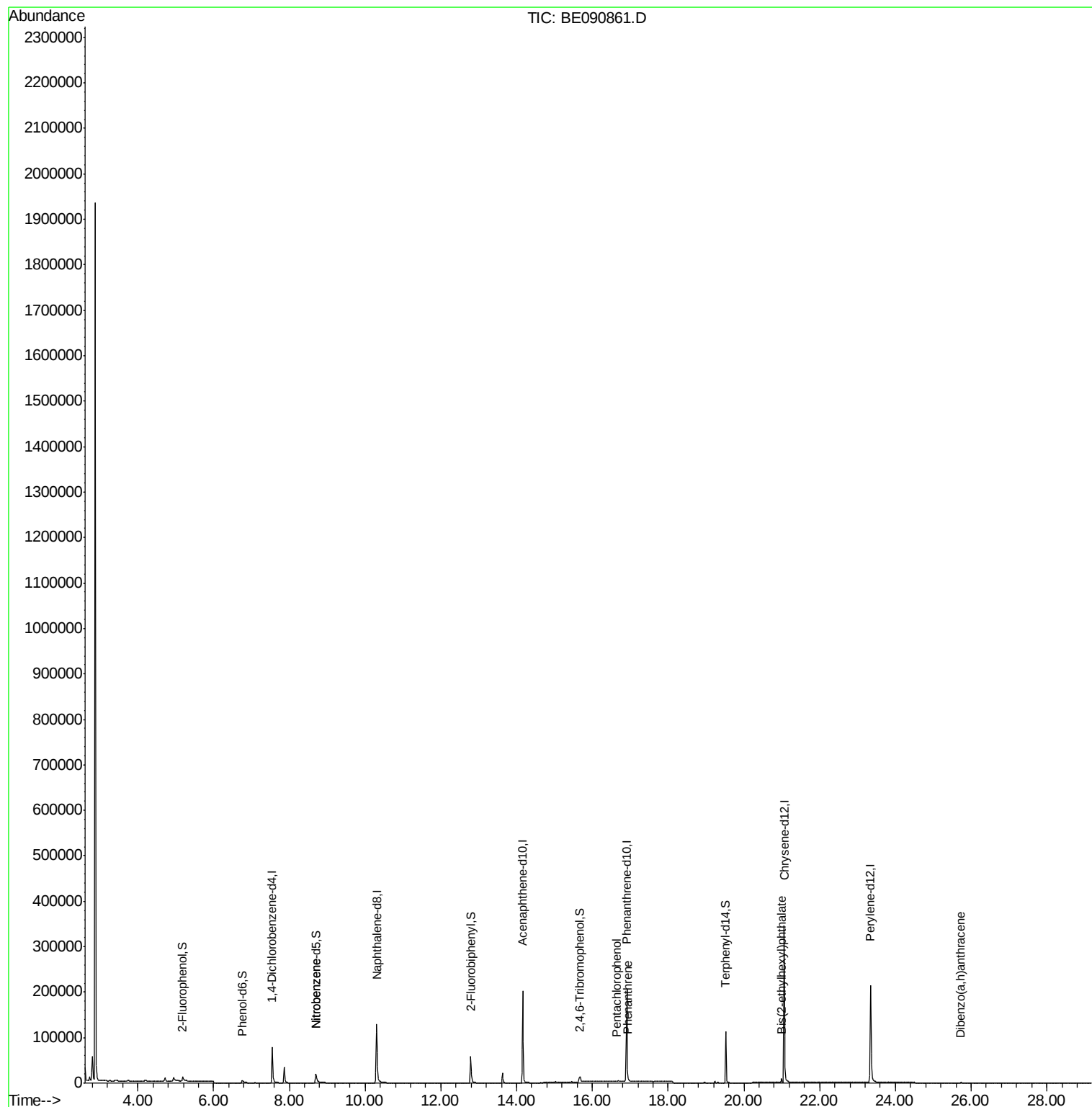
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	89	Below Cal	#	16
3) n-Nitrosodimethylamine	3.39	42	527	Below Cal	#	1
8) Nitrobenzene	8.71	77	373	0.13	ng	66
20) Hexachlorobenzene	16.23	284	311	Below Cal	#	37
21) Pentachlorophenol	16.63	266	40	0.47	ng	59
22) Phenanthrene	16.94	178	1496	0.02	ng	82
29) Chrysene	21.10	228	905	Below Cal	#	77
30) Bis(2-ethylhexyl)phthalate	21.00	149	7436	0.45	ng	100
36) Dibenzo(a,h)anthracene	25.74	278	882	0.15	ng	23

(#) = 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: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

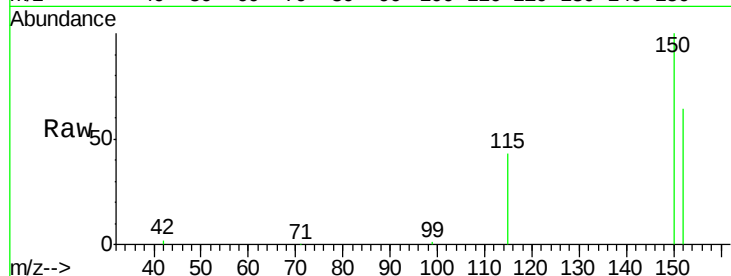
Tgt Ion:152 Resp: 46317

Ion Ratio Lower Upper

152 100

150 157.0 122.2 183.4

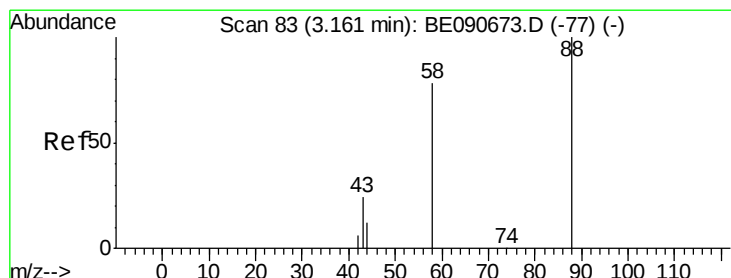
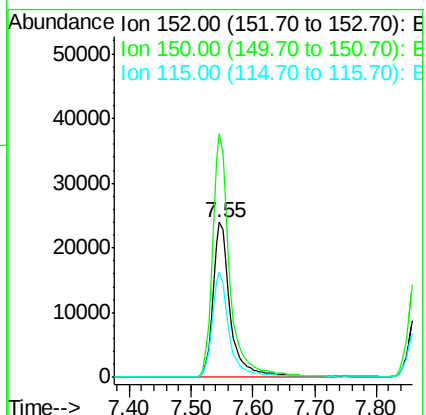
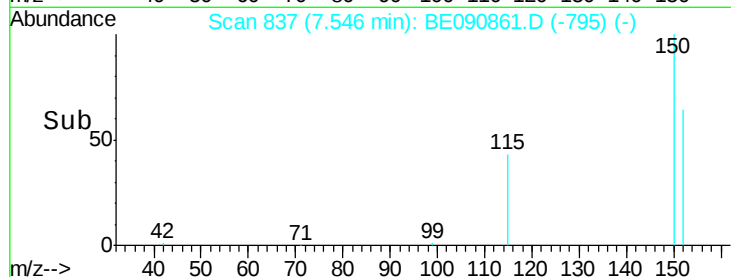
115 68.2 51.0 76.4



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: 3.23 min Scan# 93

Delta R.T. 0.07 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

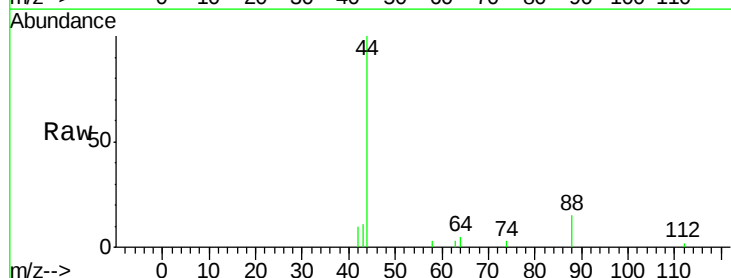
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

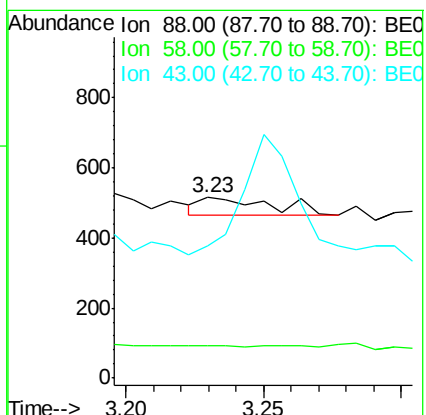
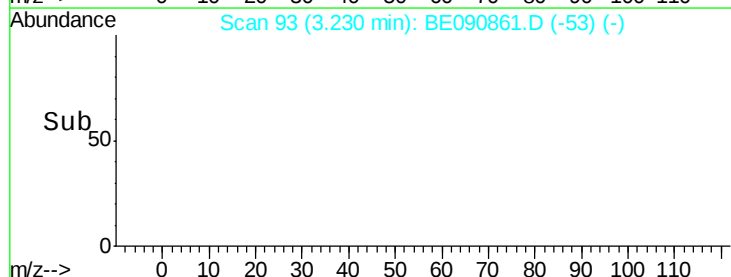
43 0.0 26.9 40.3#



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



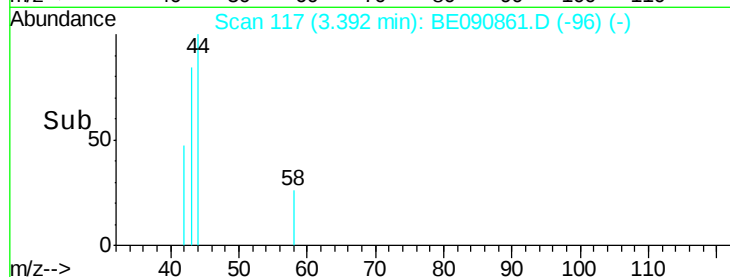
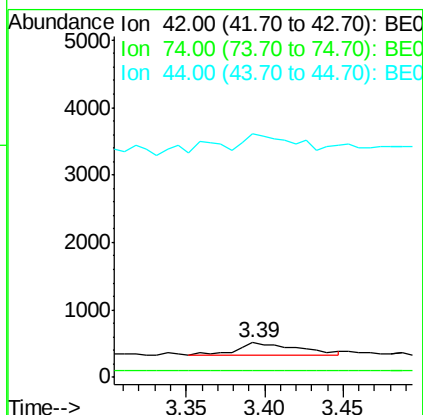
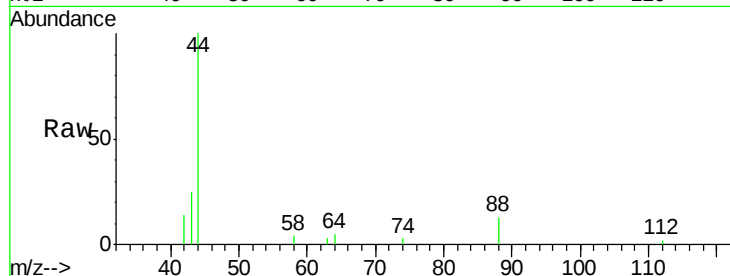


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.39 min Scan# 117
 Delta R.T. -0.06 min
 Lab File: BE090861.D
 Acq: 17 Sep 2015 12:13

Instrument :
 BNA_E
 ClientSampleId :
 WCSB5W

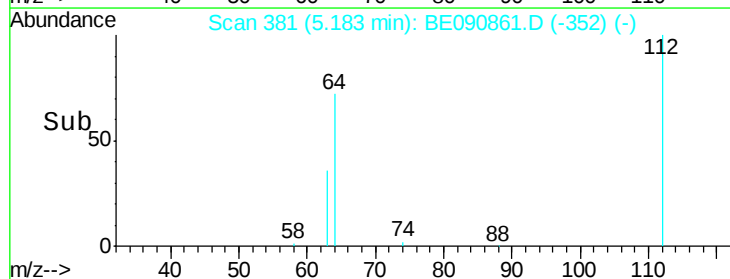
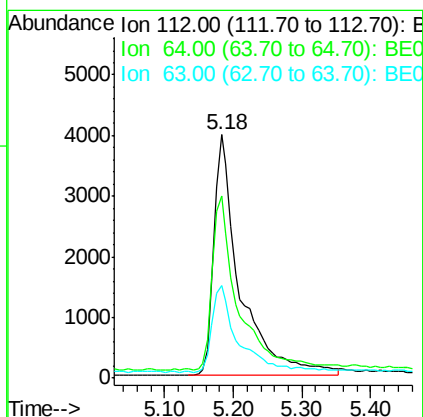
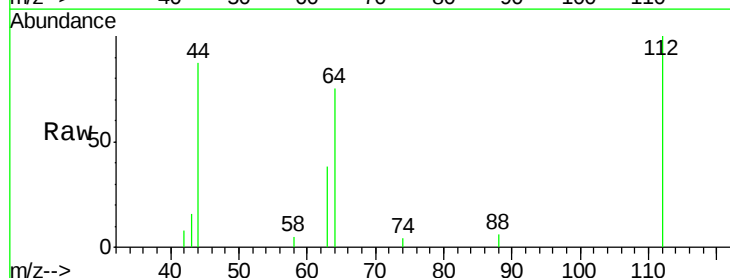
Tgt Ion: 42 Resp: 527
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 85.4 10.0 15.0#



#4

2-Fluorophenol
 Concen: 1.17 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090861.D
 Acq: 17 Sep 2015 12:13

Tgt Ion: 112 Resp: 10390
 Ion Ratio Lower Upper
 112 100
 64 73.7 57.3 85.9
 63 37.0 29.2 43.8





#5

Phenol-d6

Concen: 1.00 ng

RT: 6.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

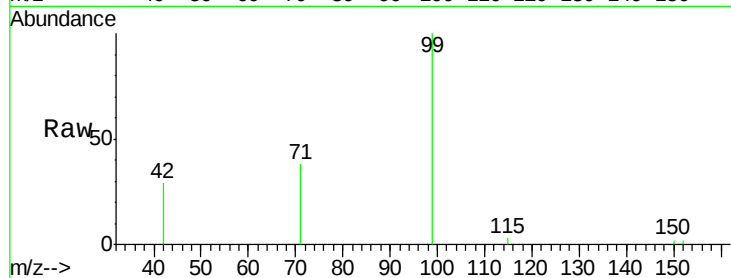
Tgt Ion: 99 Resp: 12893

Ion Ratio Lower Upper

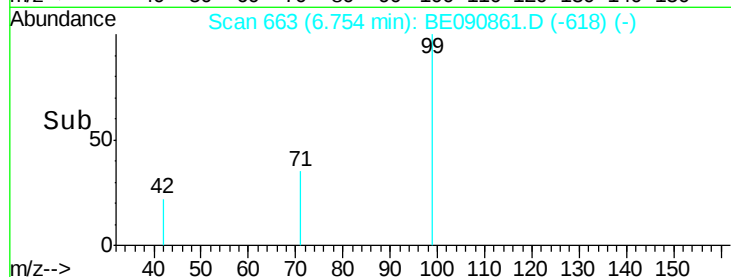
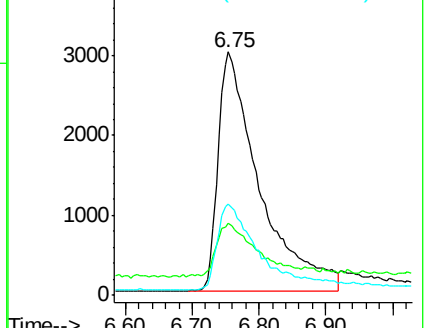
99 100

42 21.8 16.8 25.2

71 37.9 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: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Tgt Ion: 136 Resp: 215829

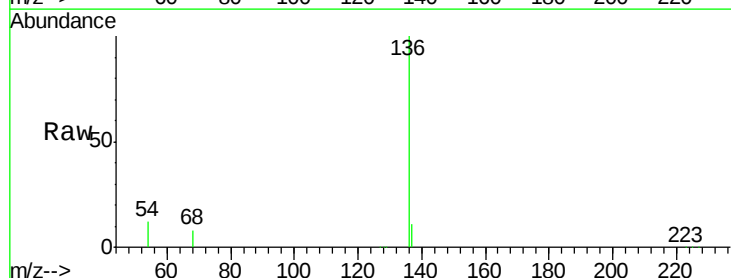
Ion Ratio Lower Upper

136 100

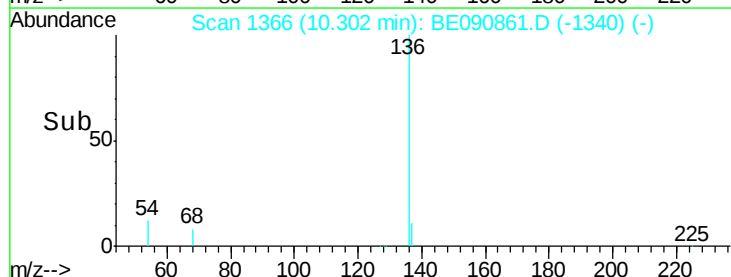
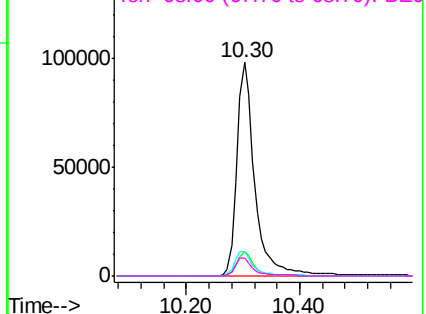
137 11.2 8.7 13.1

54 11.7 9.0 13.6

68 8.3 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: 2.34 ng

RT: 8.70 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampled :

WCSB5W

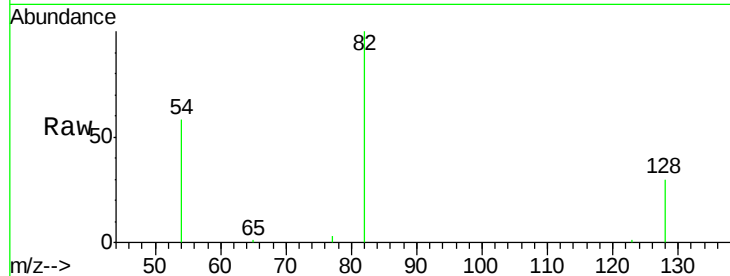
Tgt Ion: 82 Resp: 33417

Ion Ratio Lower Upper

82 100

128 30.3 25.0 37.4

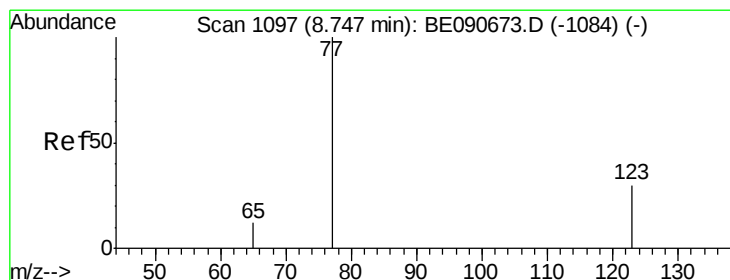
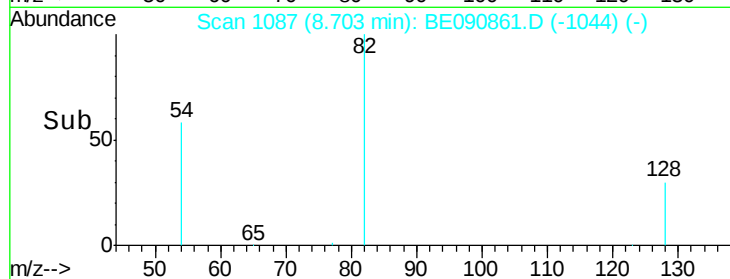
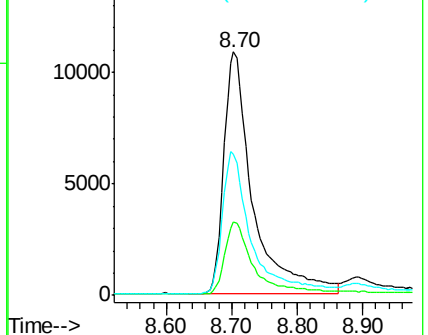
54 57.9 46.3 69.5



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: 0.13 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

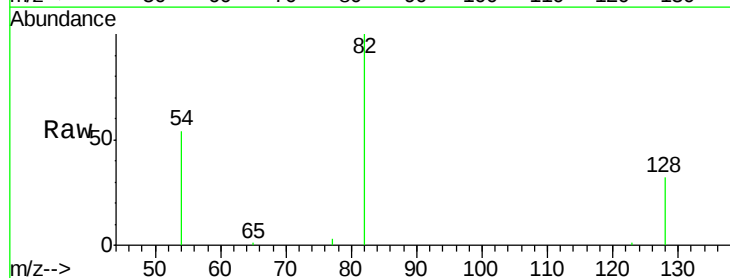
Tgt Ion: 77 Resp: 373

Ion Ratio Lower Upper

77 100

123 9.7 25.1 37.7#

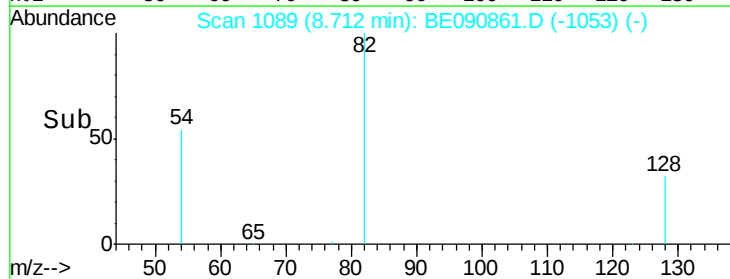
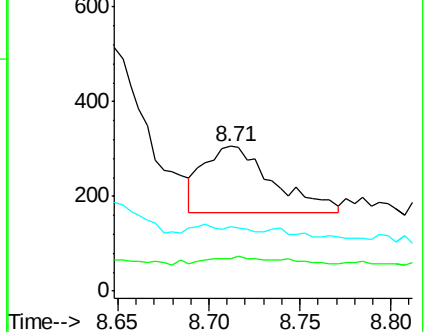
65 4.6 9.9 14.9#



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: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

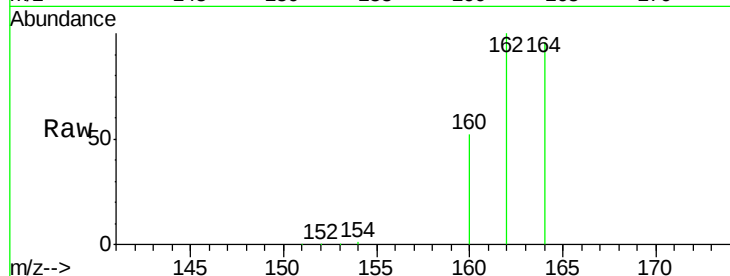
Tgt Ion:164 Resp: 117150

Ion Ratio Lower Upper

164 100

162 104.0 86.8 130.2

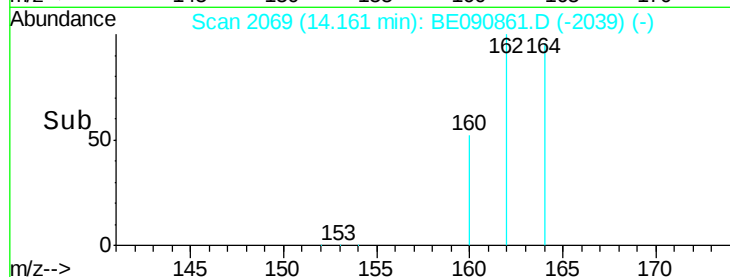
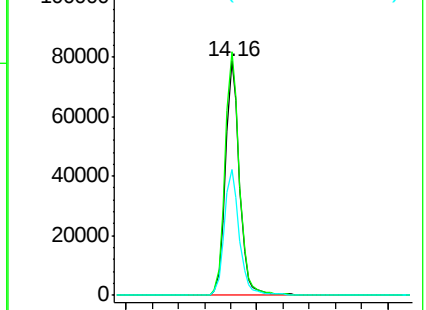
160 53.9 53.9 80.9



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: 2.16 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

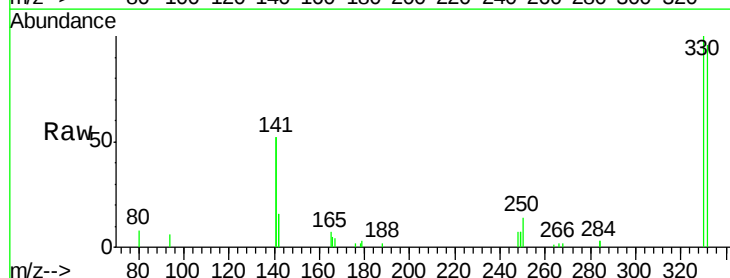
Tgt Ion:330 Resp: 7035

Ion Ratio Lower Upper

330 100

332 95.2 74.9 112.3

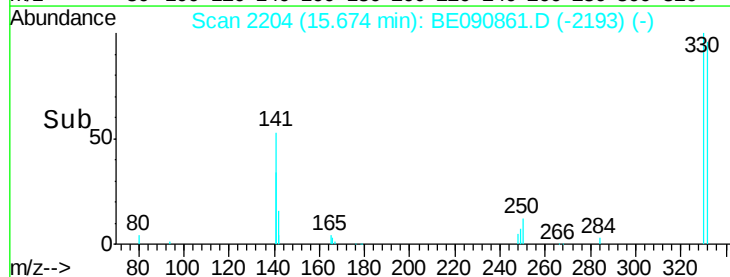
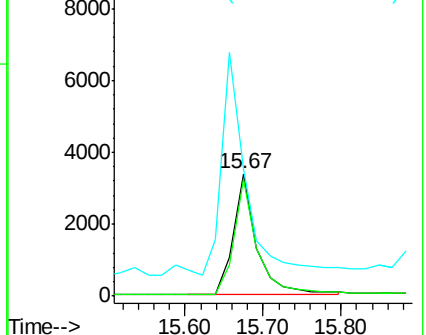
141 199.8 145.2 217.8



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

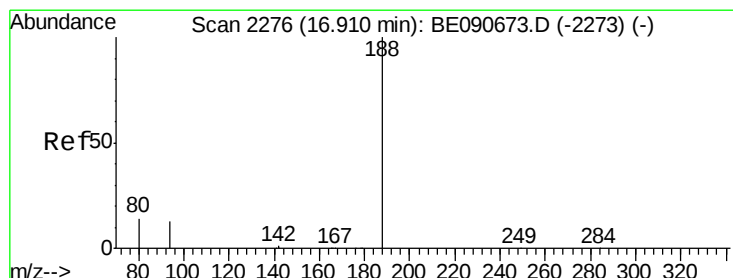
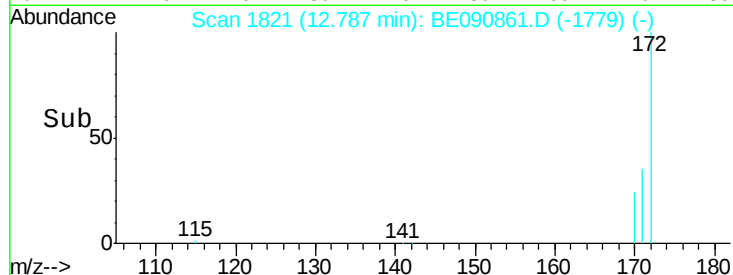
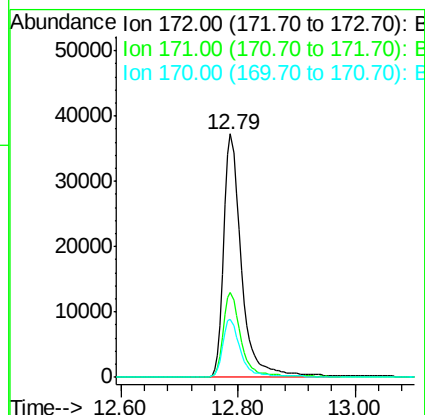
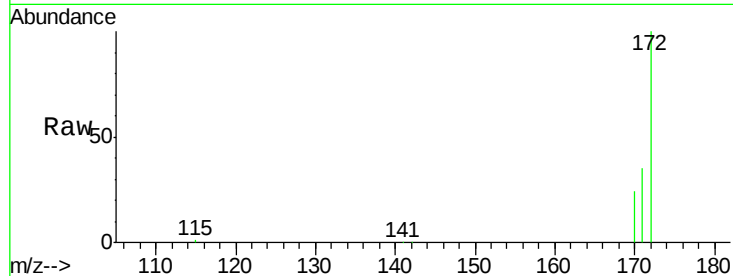




#14
2-Fluorobiphenyl
Concen: 2.38 ng
RT: 12.79 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BE090861.D
Acq: 17 Sep 2015 12:13

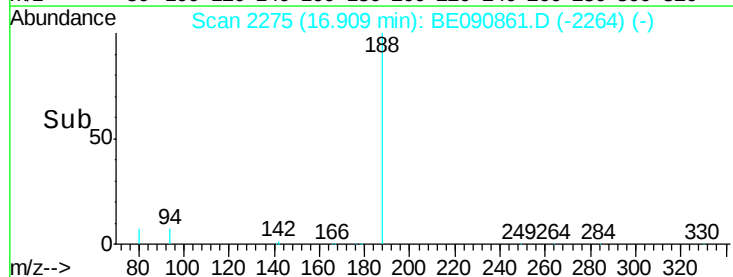
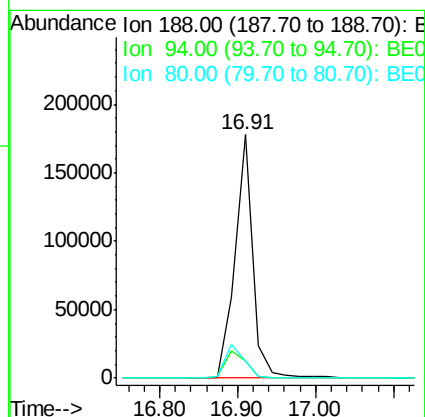
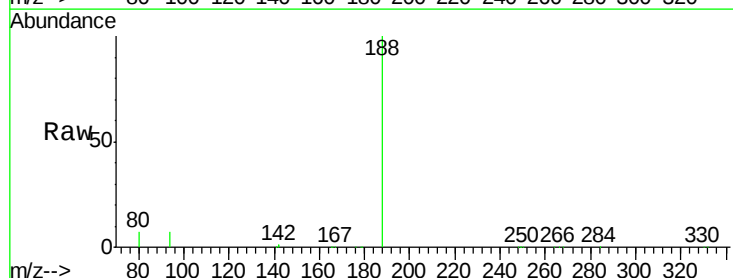
Instrument :
BNA_E
ClientSampleId :
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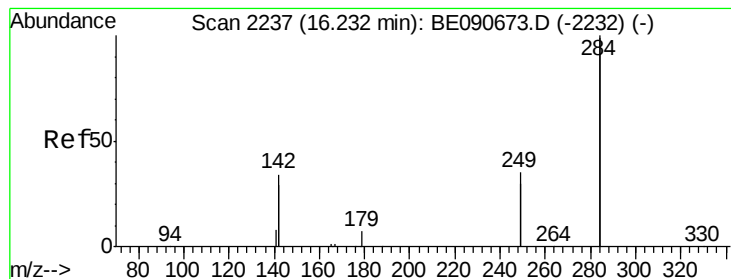
Tgt Ion:172 Resp: 77362
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 24.0 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090861.D
Acq: 17 Sep 2015 12:13

Tgt Ion:188 Resp: 283361
Ion Ratio Lower Upper
188 100
94 6.9 10.3 15.5#
80 7.1 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

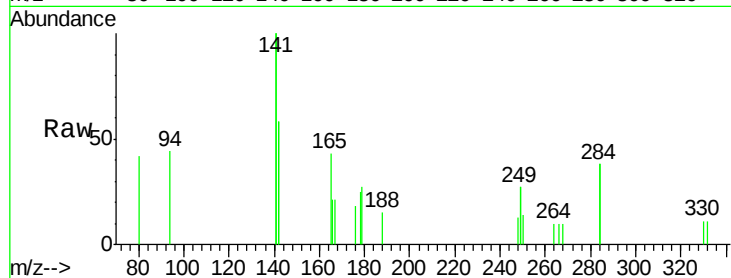
Tgt Ion:284 Resp: 311

Ion Ratio Lower Upper

284 100

142 100.6 35.0 52.4#

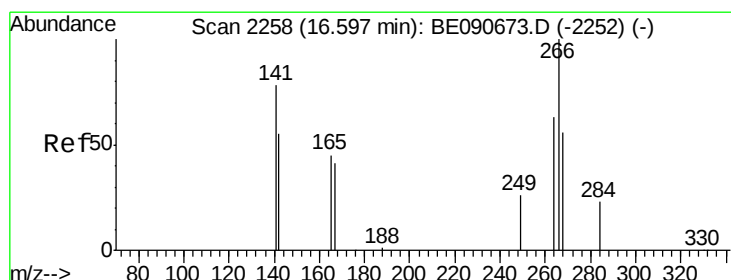
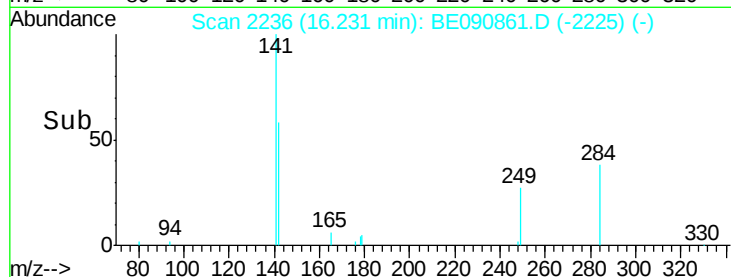
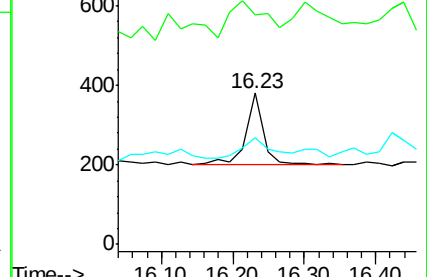
249 48.2 25.5 38.3#



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: 0.47 ng

RT: 16.63 min Scan# 2259

Delta R.T. 0.03 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

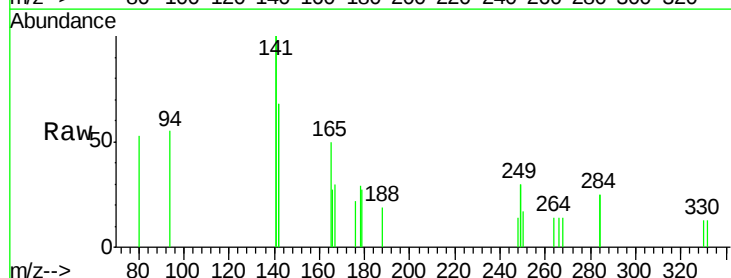
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

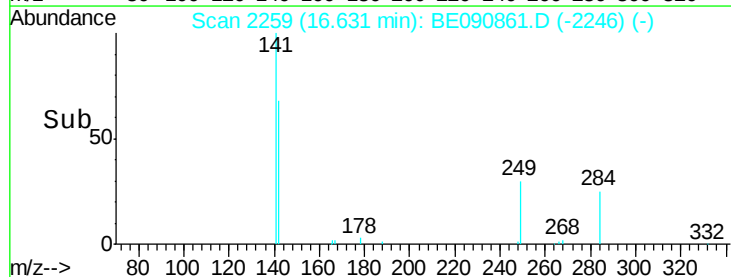
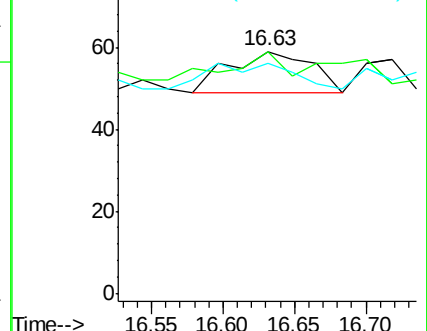
264 94.9 53.9 80.9#

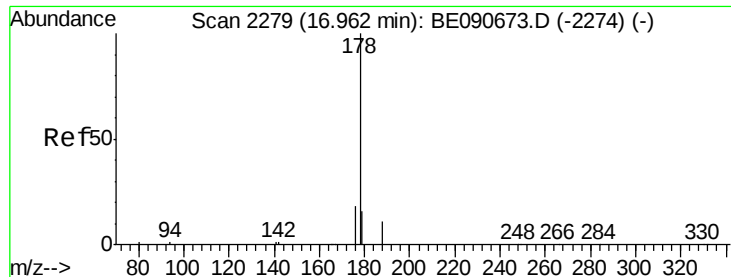


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.02 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

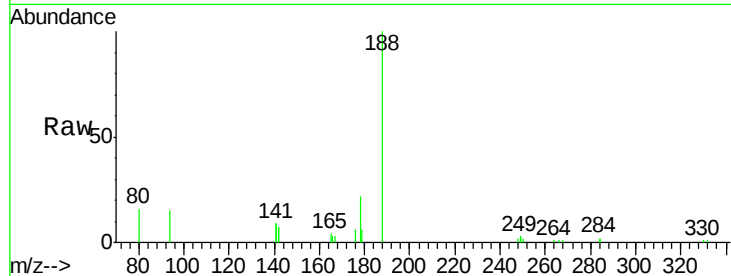
Tgt Ion:178 Resp: 1496

Ion Ratio Lower Upper

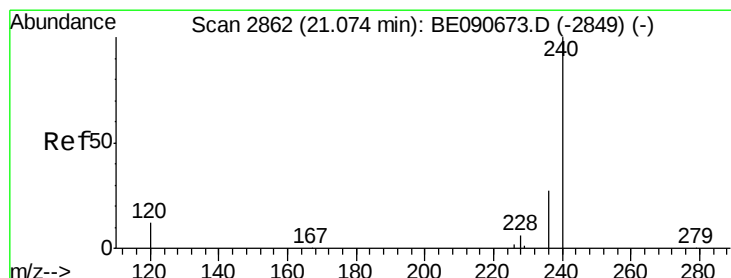
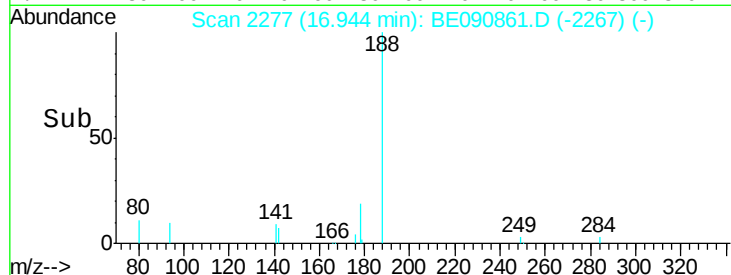
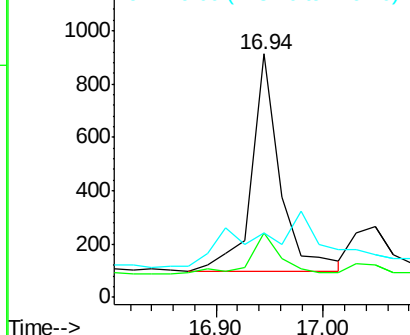
178 100

176 20.7 15.6 23.4

179 0.0 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# 2859

Delta R.T. -0.01 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

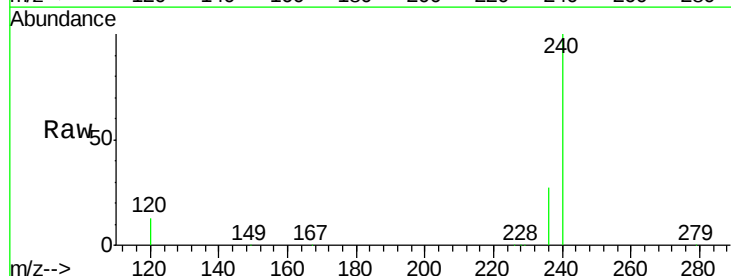
Tgt Ion:240 Resp: 329359

Ion Ratio Lower Upper

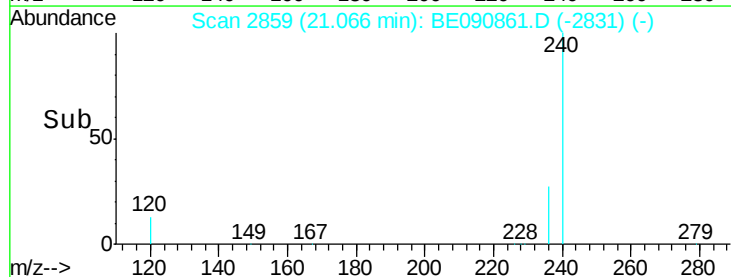
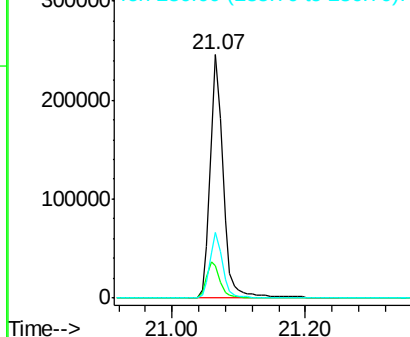
240 100

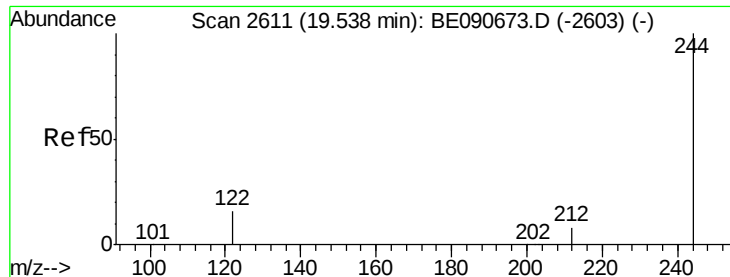
120 13.3 10.1 15.1

236 27.0 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: 3.36 ng

RT: 19.52 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W

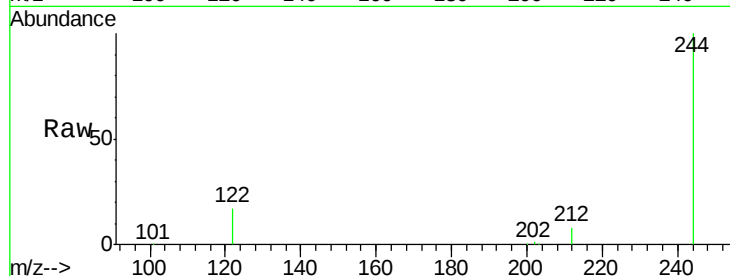
Tgt Ion:244 Resp: 122378

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

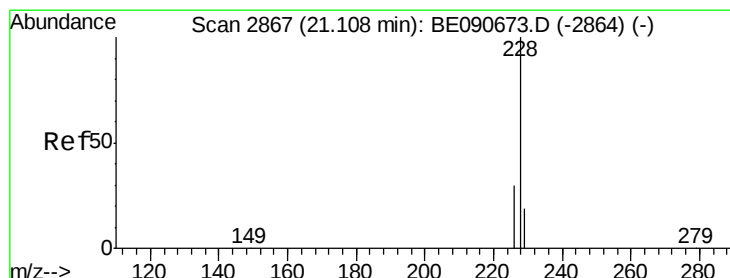
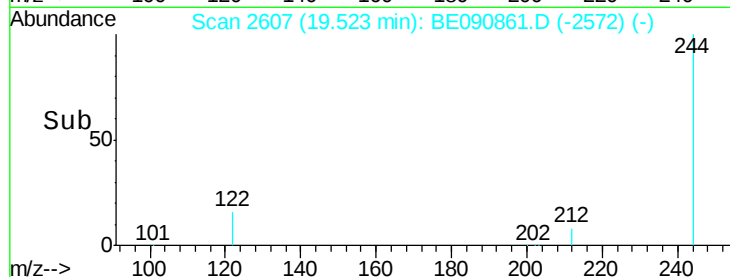
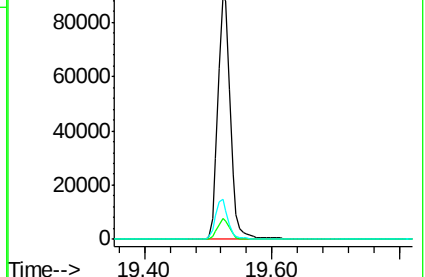
122 16.7 12.9 19.3



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: 21.10 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090861.D

Acq: 17 Sep 2015 12:13

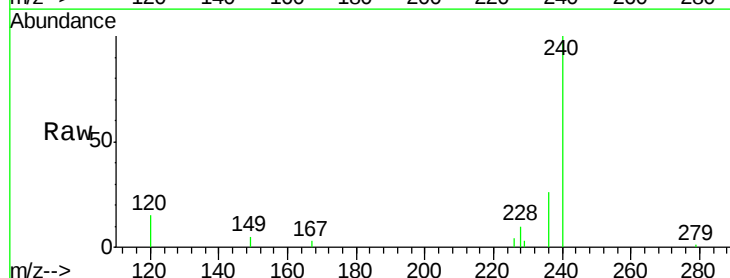
Tgt Ion:228 Resp: 905

Ion Ratio Lower Upper

228 100

226 39.7 24.2 36.4#

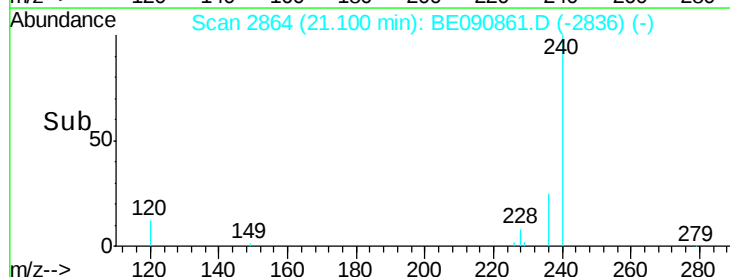
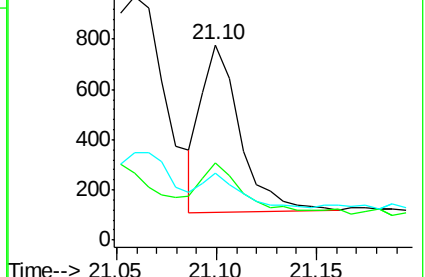
229 34.0 15.3 22.9#

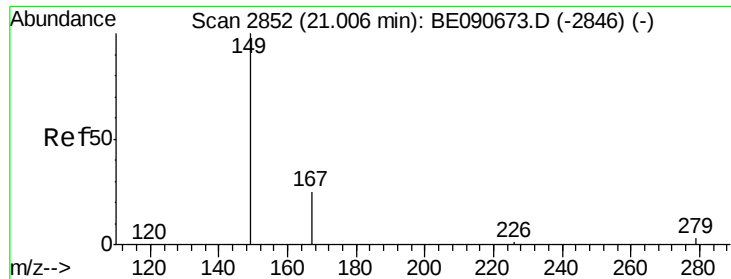


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

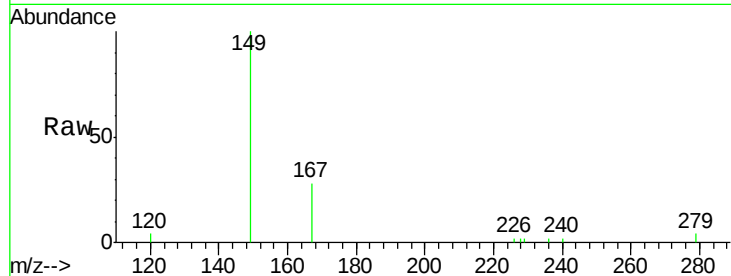




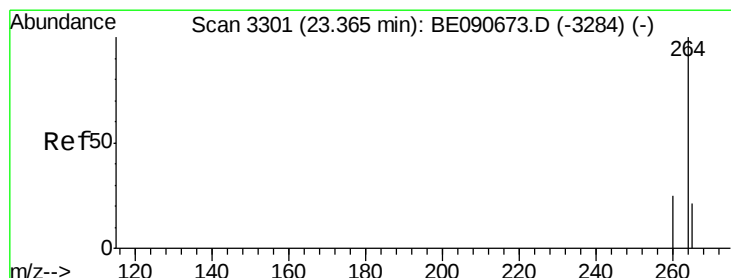
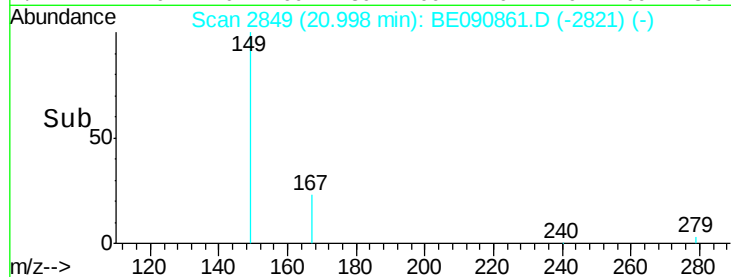
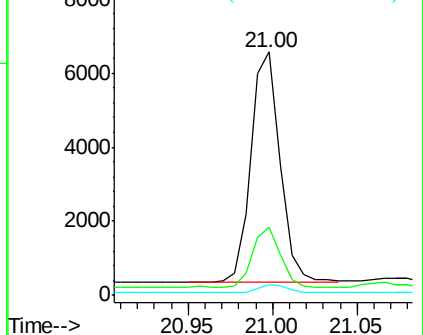
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.45 ng
 RT: 21.00 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BE090861.D
 Acq: 17 Sep 2015 12:13

Instrument :
 BNA_E
 ClientSampleId :
 WCSB5W

Tgt Ion:149 Resp: 7436
 Ion Ratio Lower Upper
 149 100
 167 25.0 20.1 30.1
 279 3.3 2.3 3.5

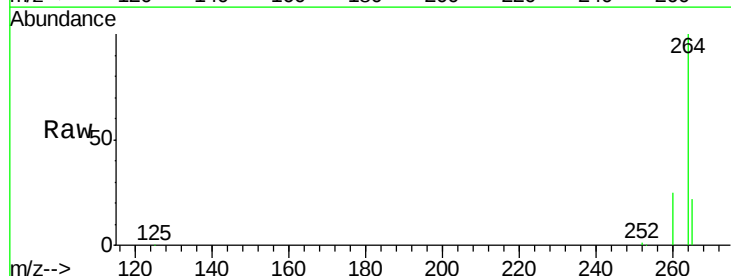


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

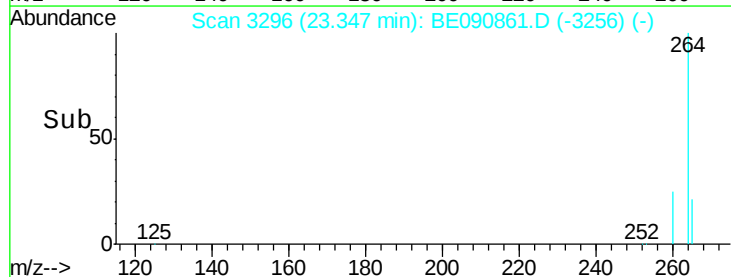
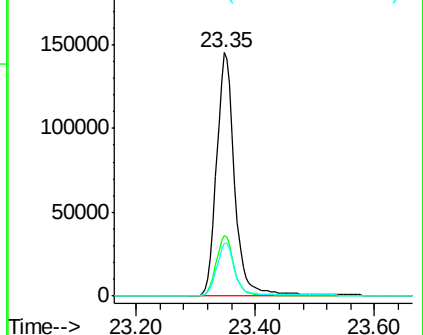


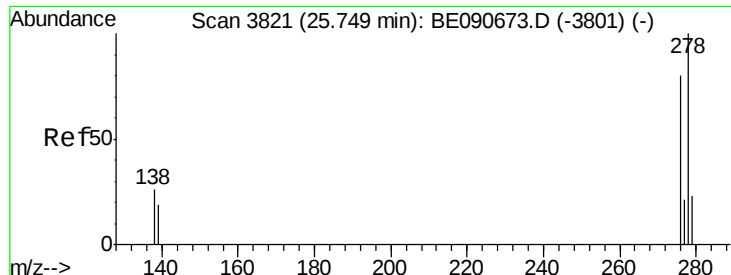
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3296
 Delta R.T. -0.02 min
 Lab File: BE090861.D
 Acq: 17 Sep 2015 12:13

Tgt Ion:264 Resp: 308661
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.7 29.5
 265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 25.74 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BE090861.D

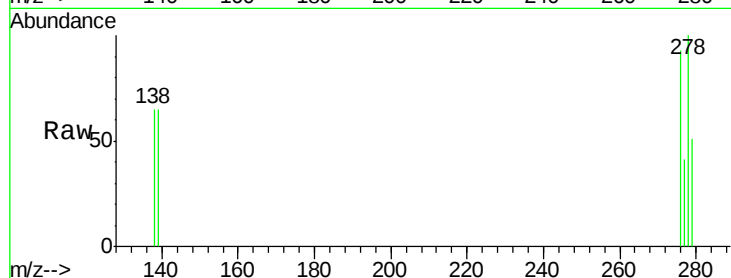
Acq: 17 Sep 2015 12:13

Instrument :

BNA_E

ClientSampleId :

WCSB5W



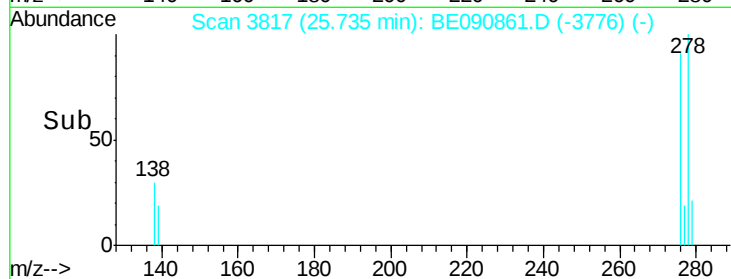
Tgt Ion: 278 Resp: 882

Ion Ratio Lower Upper

278 100

139 64.6 15.4 23.0#

279 51.4 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

