

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090823.D
 Acq On : 15 Sep 2015 5:55
 Operator : UM/IZ
 Sample : G3659-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-PRKA-F-D-B

Quant Time: Sep 15 07:17:30 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	29765	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	125108	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	65955	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	174358	5.00	ng	0.00
25) Chrysene-d12	21.07	240	248024	5.00	ng	0.00
32) Perylene-d12	23.35	264	233162	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	19783	3.42	ng	0.00
5) Phenol-d6	6.75	99	15083	1.82	ng	0.00
7) Nitrobenzene-d5	8.72	82	30618	3.70	ng	0.01
13) 2,4,6-Tribromophenol	15.67	330	13737	7.11	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	70645	3.87	ng	0.00
27) Terphenyl-d14	19.53	244	143578	5.23	ng	-0.01

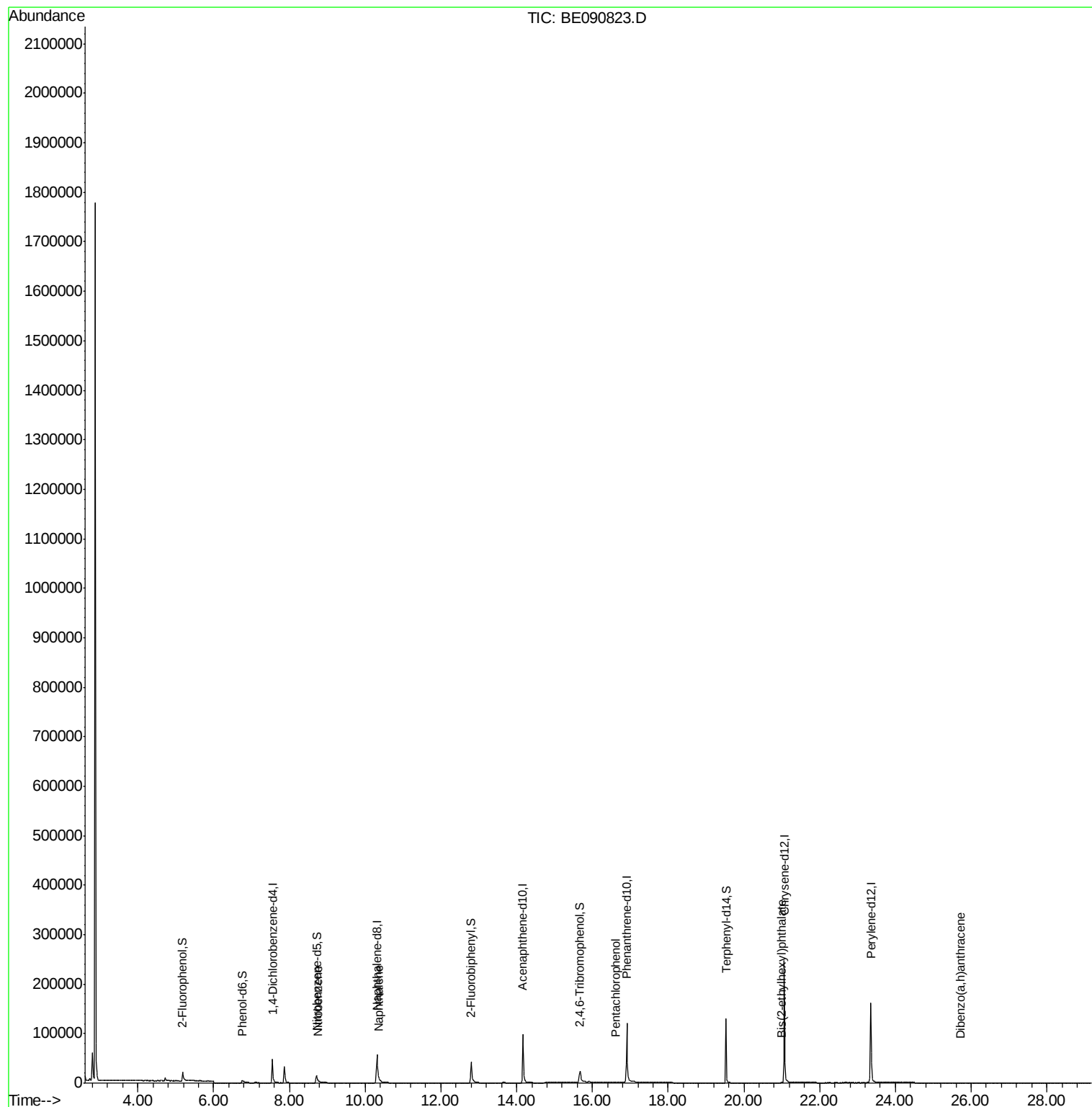
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	48	Below Cal	#	1
3) n-Nitrosodimethylamine	3.44	42	37	Below Cal	#	1
8) Nitrobenzene	8.76	77	26	0.11	ng	94
9) Naphthalene	10.36	128	1110	0.04	ng	72
20) Hexachlorobenzene	16.32	284	102	Below Cal	#	38
21) Pentachlorophenol	16.61	266	8	0.46	ng	65
29) Chrysene	21.07	228	1182	Below Cal	#	77
30) Bis(2-ethylhexyl)phthalate	21.00	149	1310	0.16	ng	91
36) Dibenzo(a,h)anthracene	25.73	278	13	0.14	ng	1

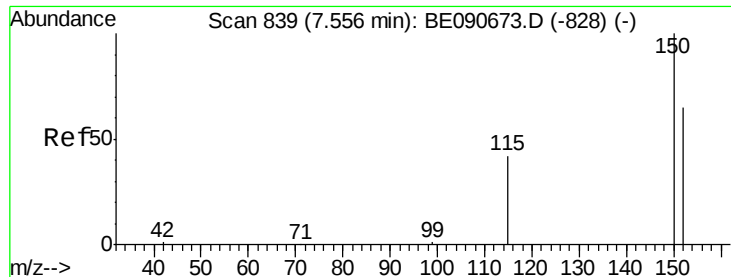
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

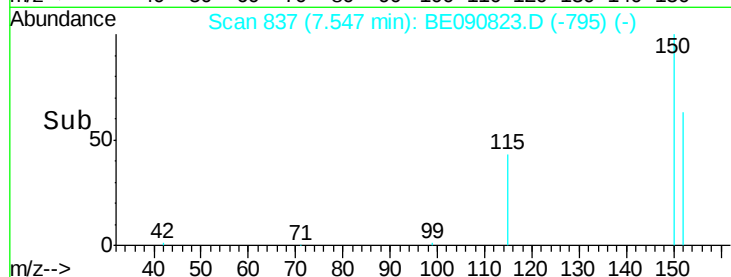
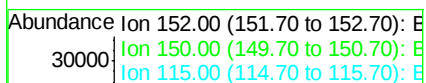
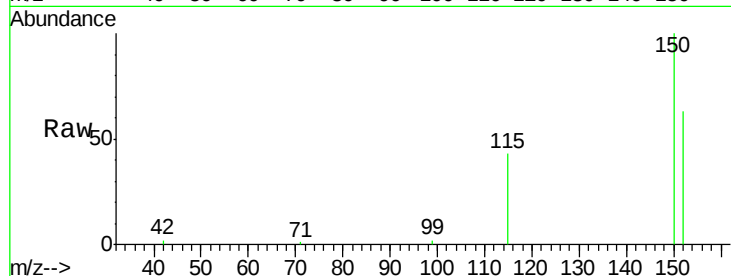
Tot Ion:152 Resp: 29765

Ion Ratio Lower Upper

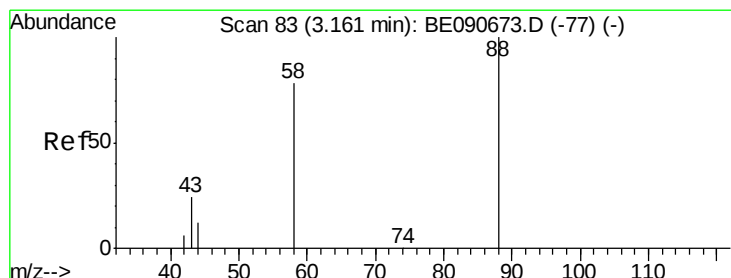
152 100

150 159.5 122.2 183.4

115 68.7 51.0 76.4



Time-->



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 83

Delta R.T. -0.00 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

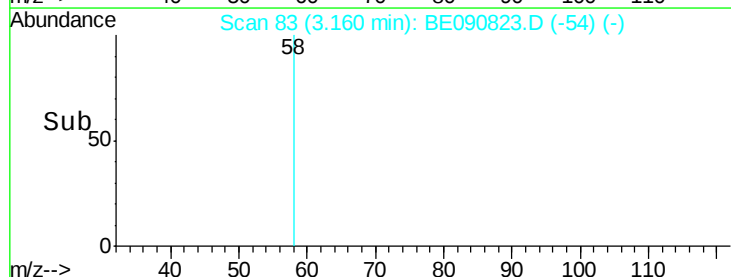
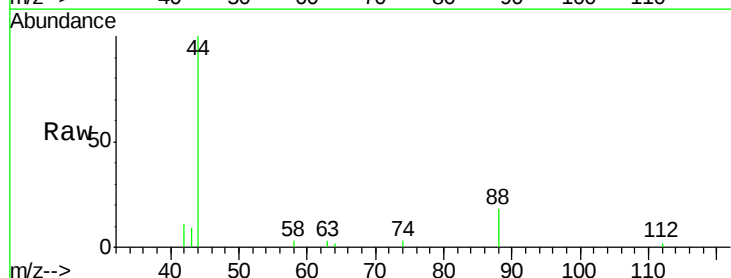
Tgt Ion: 88 Resp: 48

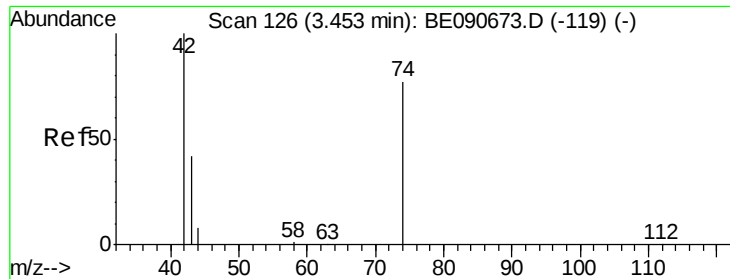
Ion Ratio Lower Upper

88 100

58 114.6 68.4 102.6#

43 479.2 26.9 40.3#



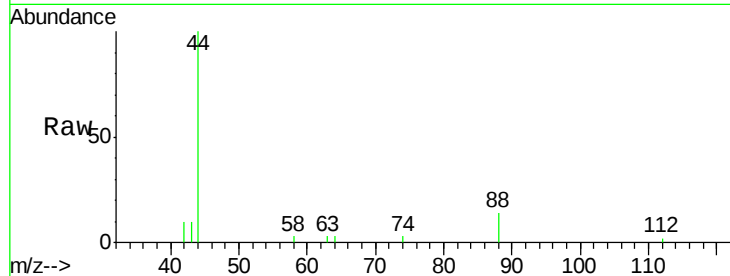


#3

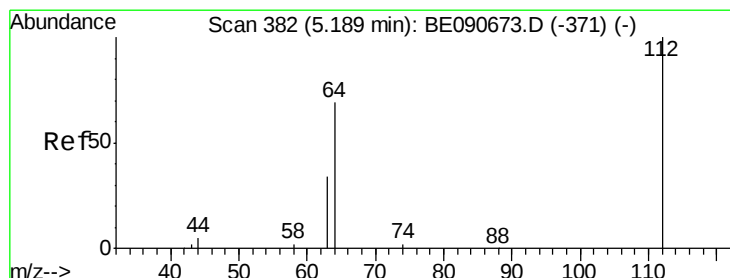
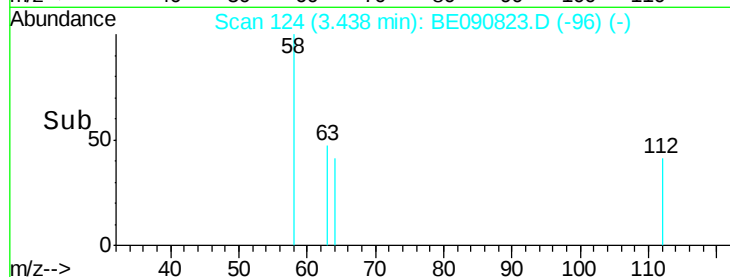
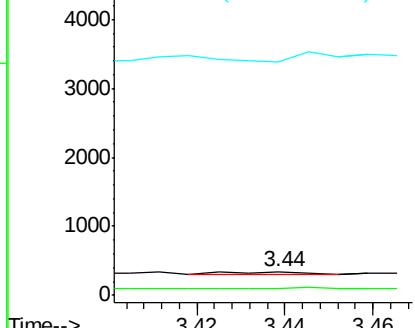
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

Instrument :
 BNA_E
 ClientSampleId :
 091315-PRKA-F-D-B

Tot Ion: 42 Resp: 37
 Ion Ratio Lower Upper
 42 100
 74 48.6 83.7 125.5#
 44 694.6 10.0 15.0#



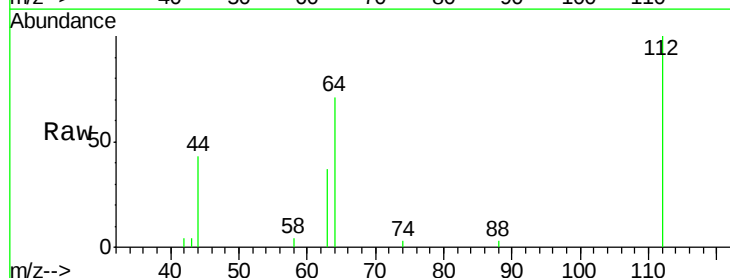
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



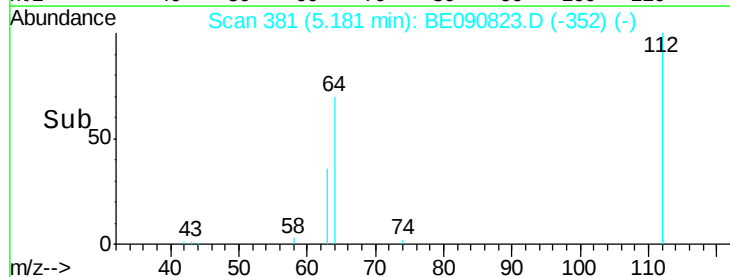
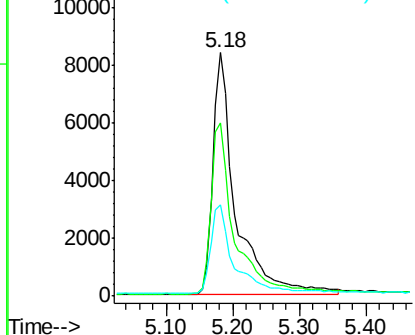
#4

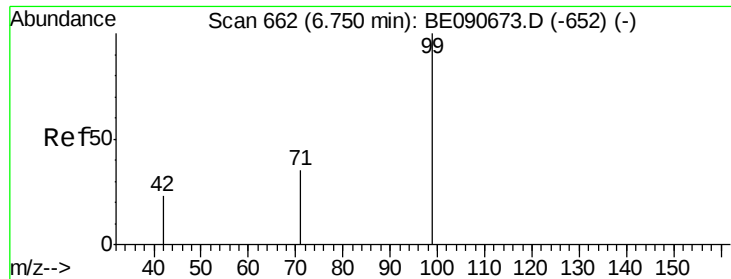
2-Fluorophenol
 Concen: 3.42 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

Tgt Ion: 112 Resp: 19783
 Ion Ratio Lower Upper
 112 100
 64 72.8 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: 1.82 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

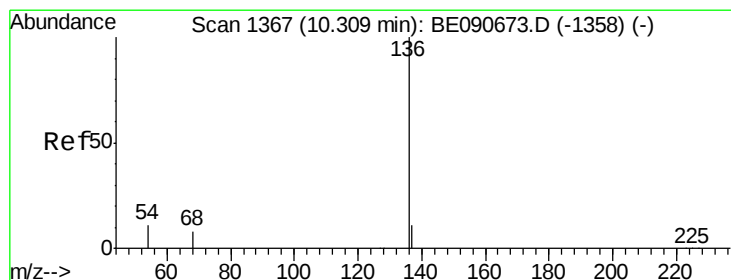
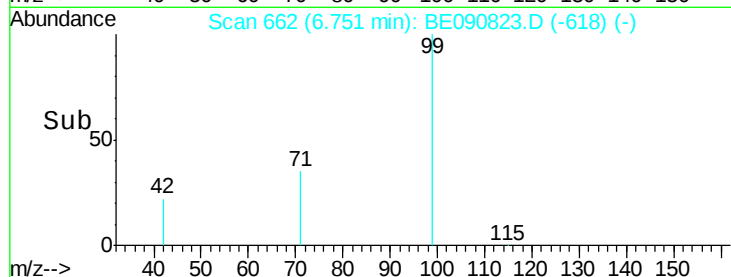
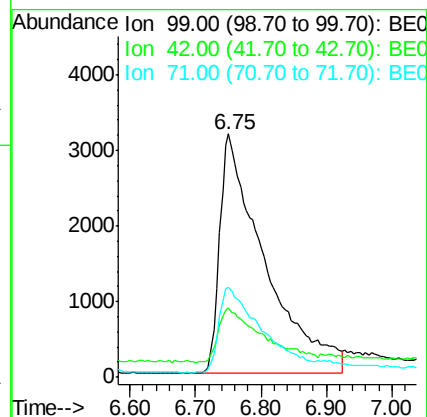
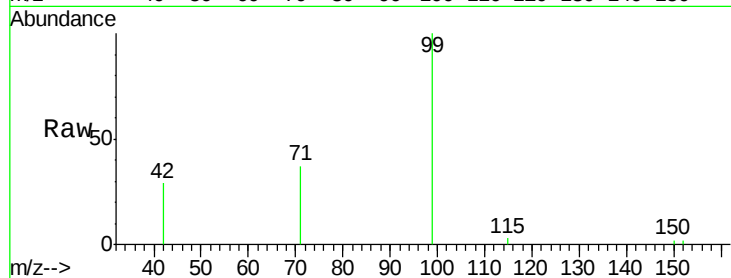
Tot Ion: 99 Resp: 15083

Ion Ratio Lower Upper

99 100

42 22.7 16.8 25.2

71 34.4 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Tgt Ion: 136 Resp: 125108

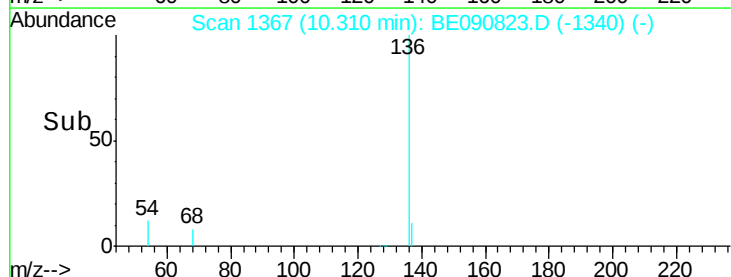
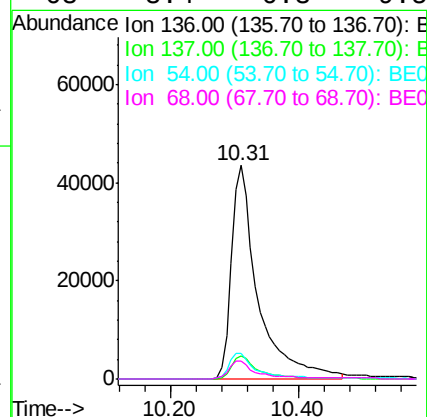
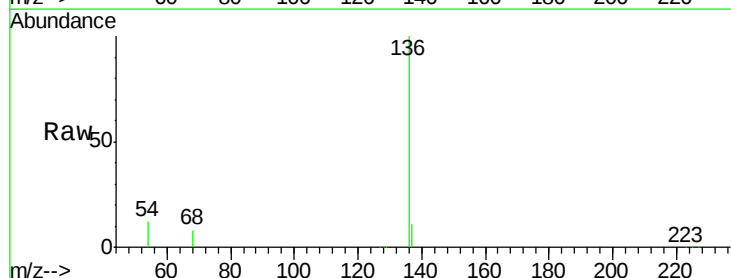
Ion Ratio Lower Upper

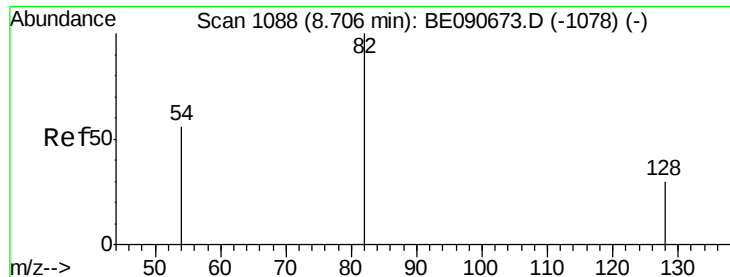
136 100

137 10.8 8.7 13.1

54 11.7 9.0 13.6

68 8.4 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.70 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

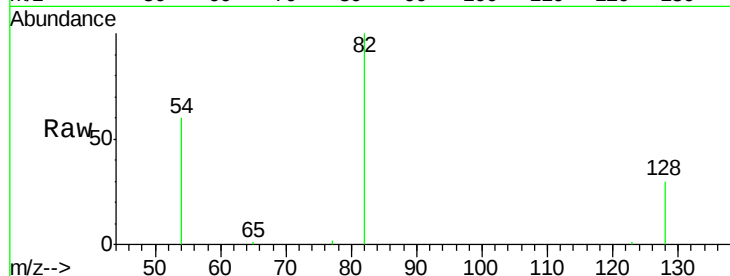
Tot Ion: 82 Resp: 30618

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.4

54 59.7 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

8.72

10000

8000

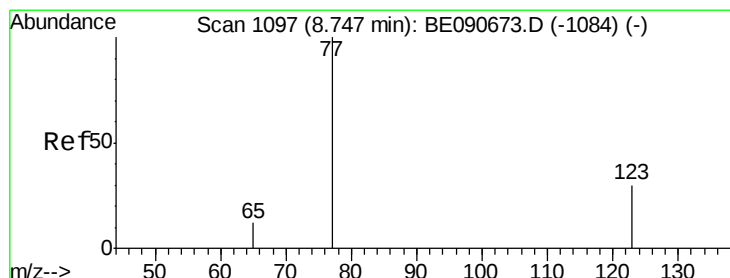
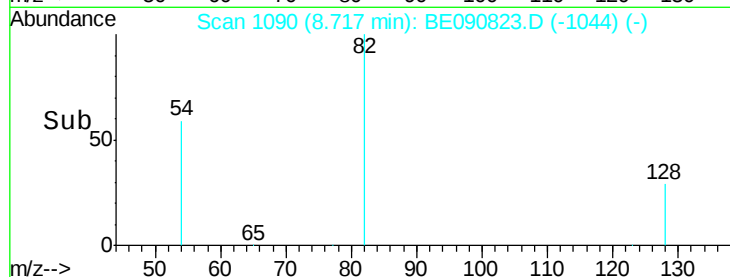
6000

4000

2000

0

Time-->



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

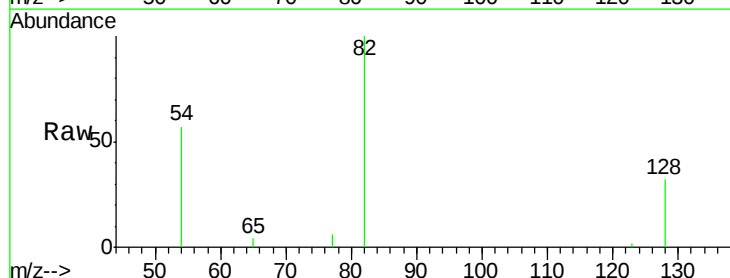
Tgt Ion: 77 Resp: 26

Ion Ratio Lower Upper

77 100

123 34.6 25.1 37.7

65 15.4 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

200

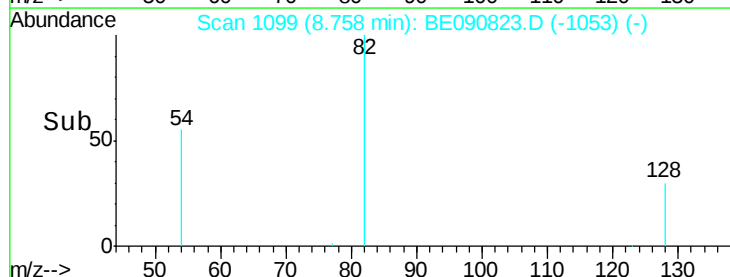
150

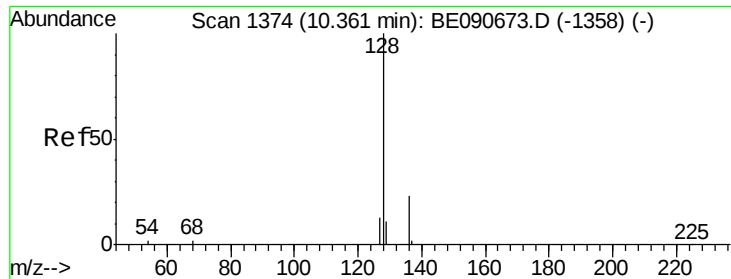
100

50

0

Time-->





#9

Naphthalene

Concen: 0.04 ng

RT: 10.36 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

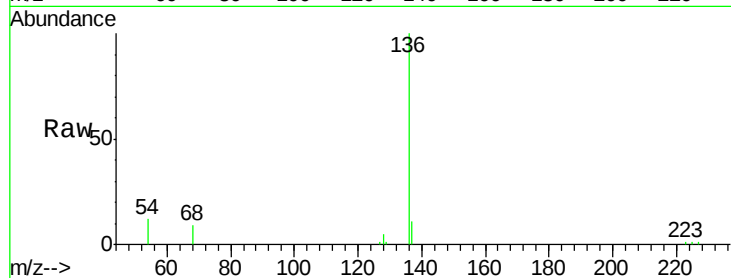
Tot Ion:128 Resp: 1110

Ion Ratio Lower Upper

128 100

129 22.9 9.0 13.6#

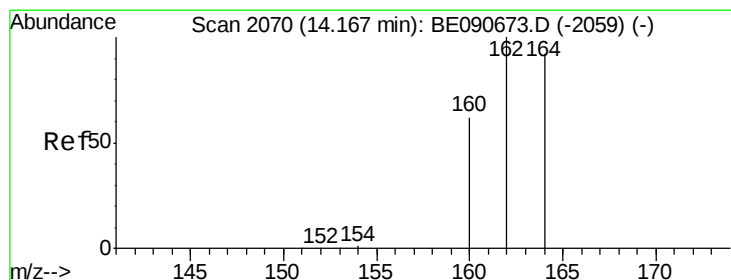
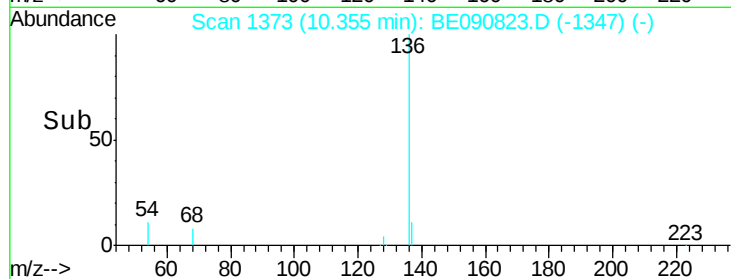
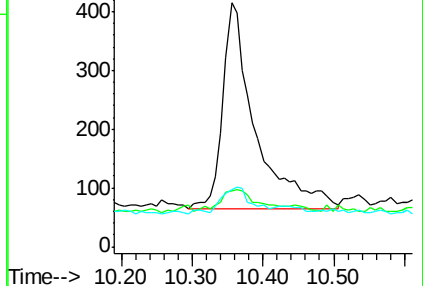
127 23.6 10.6 15.8#



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: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

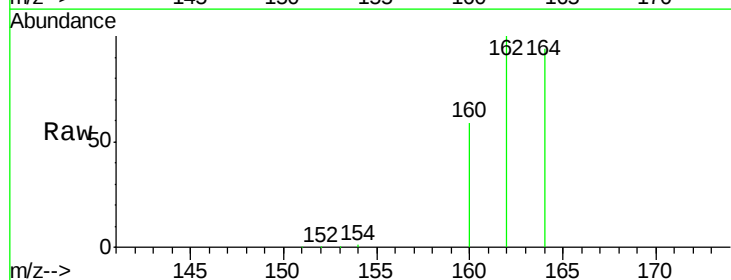
Tgt Ion:164 Resp: 65955

Ion Ratio Lower Upper

164 100

162 106.4 86.8 130.2

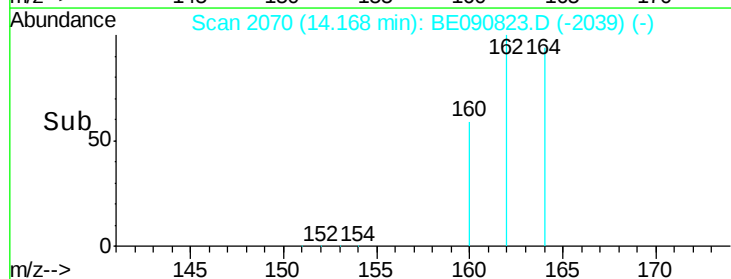
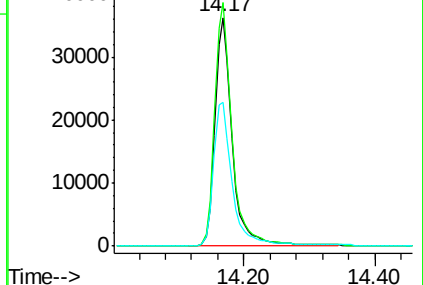
160 62.8 53.9 80.9

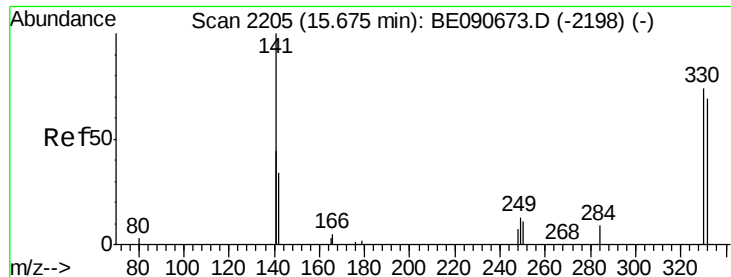


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

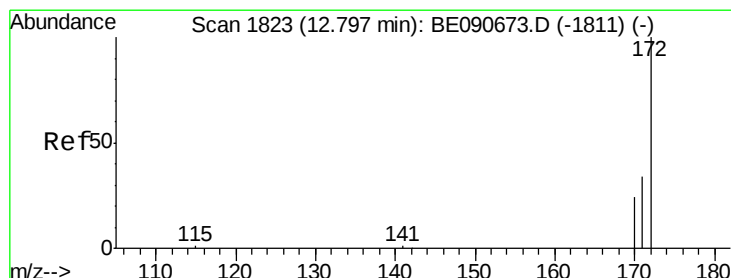
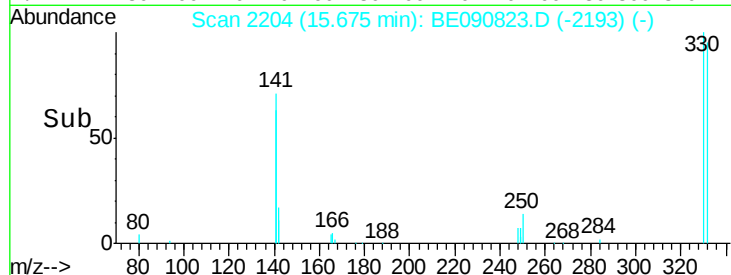
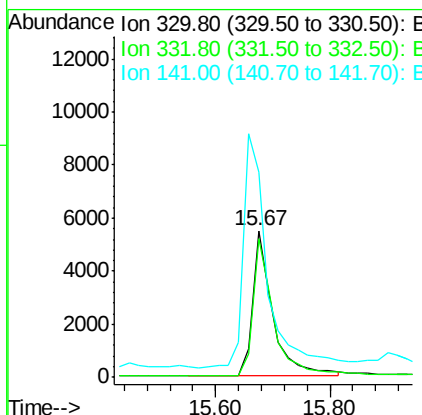
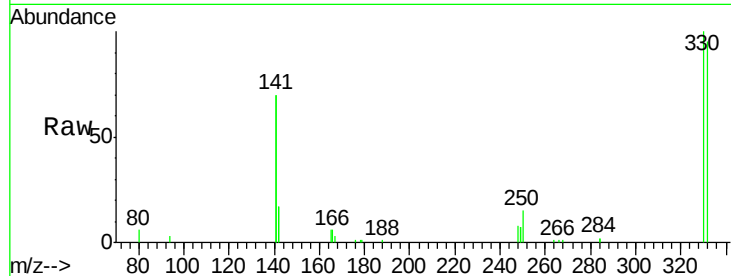




#13
 2,4,6-Tribromophenol
 Concen: 7.11 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

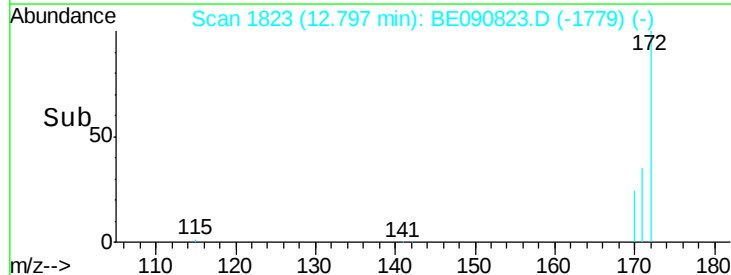
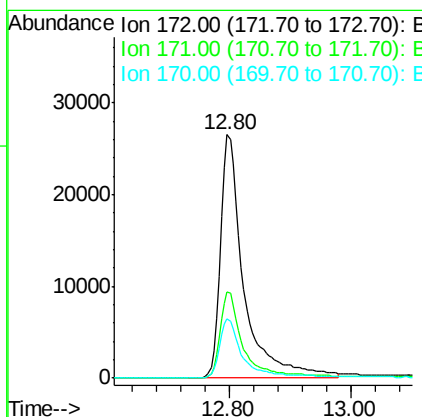
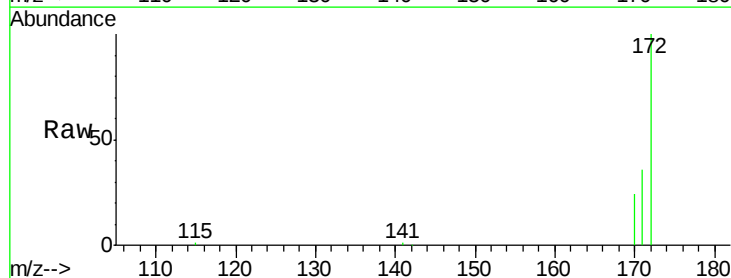
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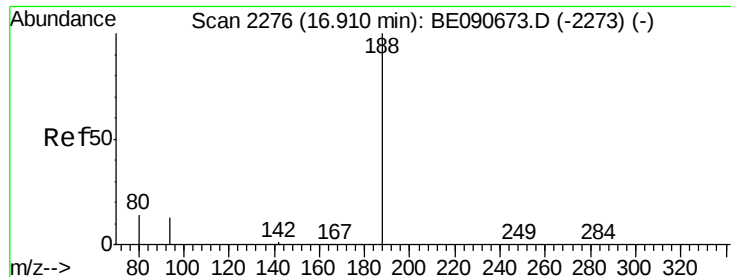
Tot Ion:330 Resp: 13737
 Ion Ratio Lower Upper
 330 100
 332 96.5 74.9 112.3
 141 185.6 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 3.87 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

Tgt Ion:172 Resp: 70645
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.8 41.8
 170 24.3 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: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

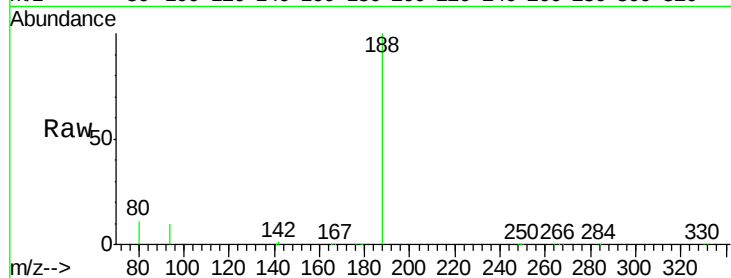
Tot Ion:188 Resp: 174358

Ion Ratio Lower Upper

188 100

94 10.2 10.3 15.5#

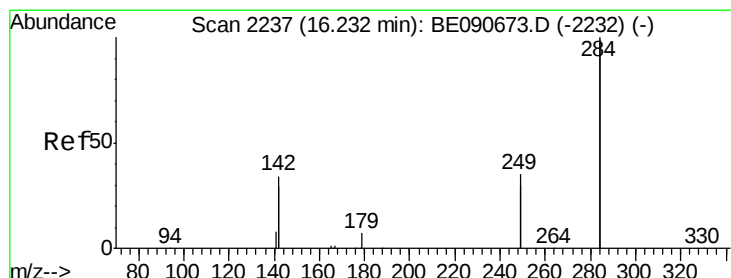
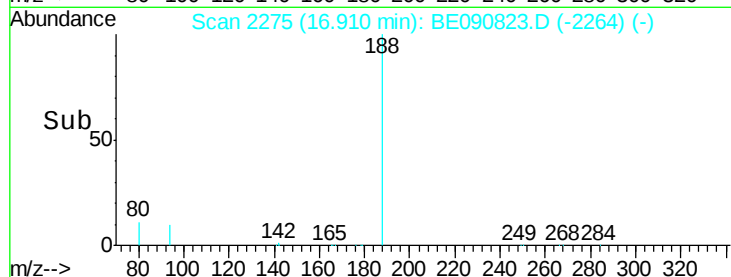
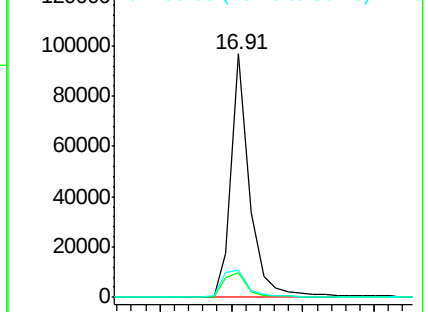
80 11.4 11.0 16.6



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: 16.32 min Scan# 2241

Delta R.T. 0.09 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

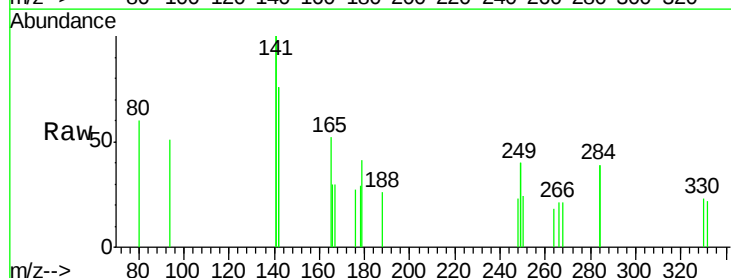
Tgt Ion:284 Resp: 102

Ion Ratio Lower Upper

284 100

142 86.3 35.0 52.4#

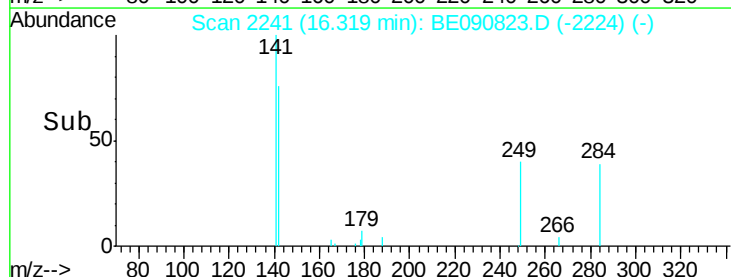
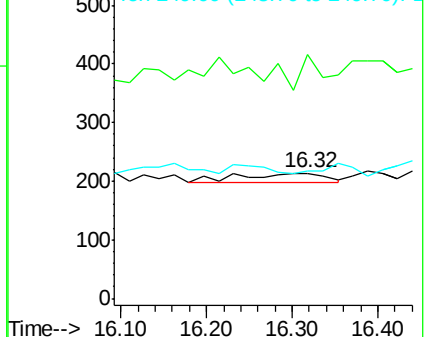
249 0.0 25.5 38.3#

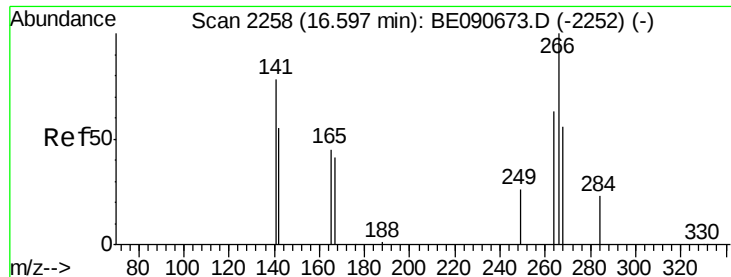


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

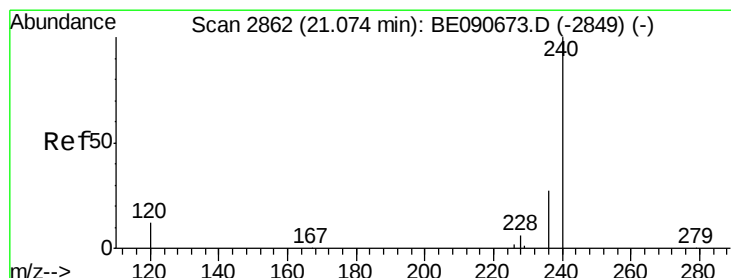
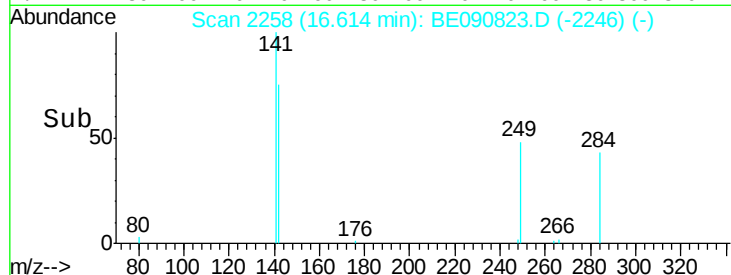
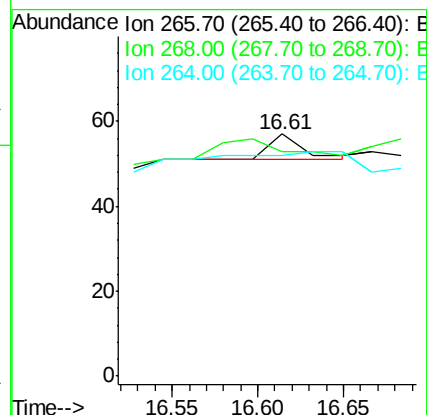
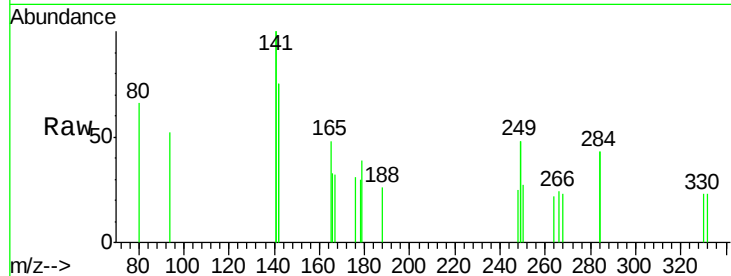




#21
 Pentachlorophenol
 Concen: 0.46 ng
 RT: 16.61 min Scan# 2258
 Delta R.T. 0.02 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

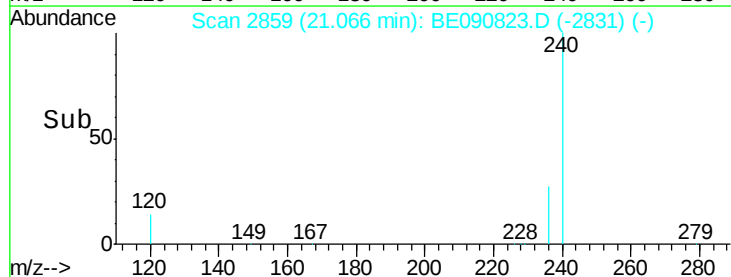
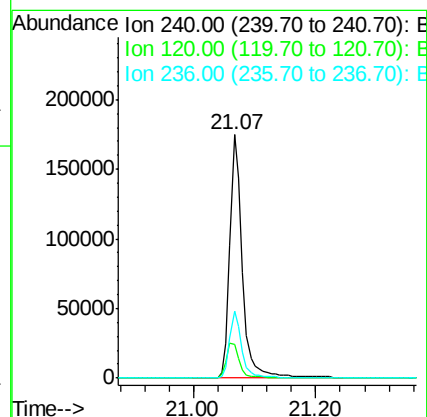
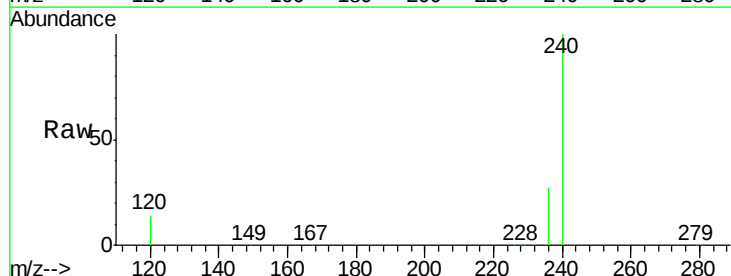
Instrument :
 BNA_E
 ClientSampleId :
 091315-PRKA-F-D-B

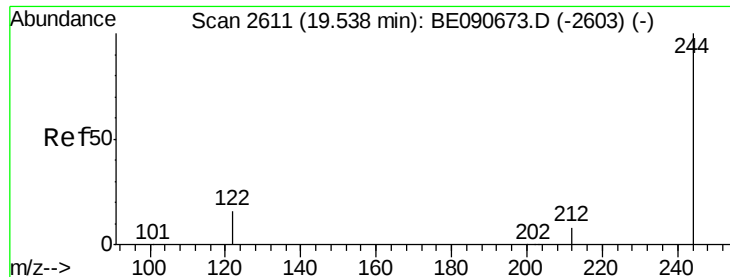
Tot Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 268 93.0 49.6 74.4#
 264 91.2 53.9 80.9#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

Tgt Ion: 240 Resp: 248024
 Ion Ratio Lower Upper
 240 100
 120 13.9 10.1 15.1
 236 27.4 21.9 32.9





#27

Terphenyl-d14

Concen: 5.23 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B

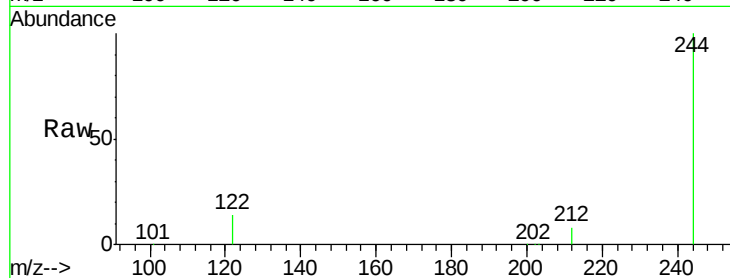
Tot Ion:244 Resp: 143578

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

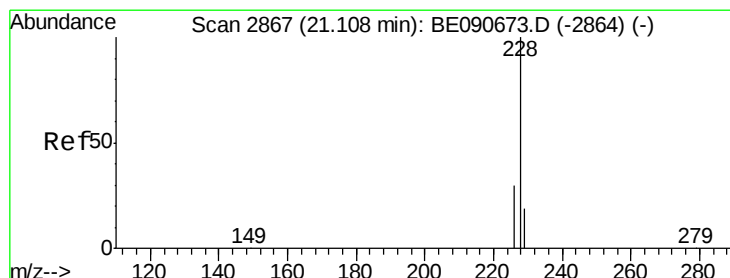
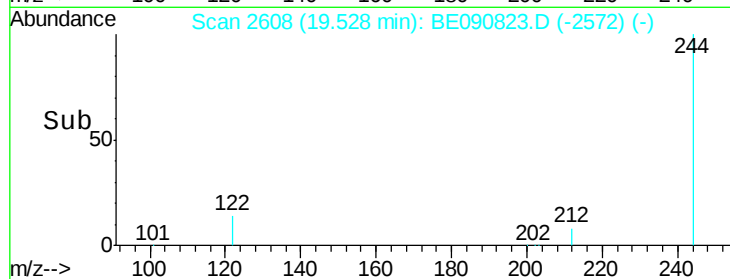
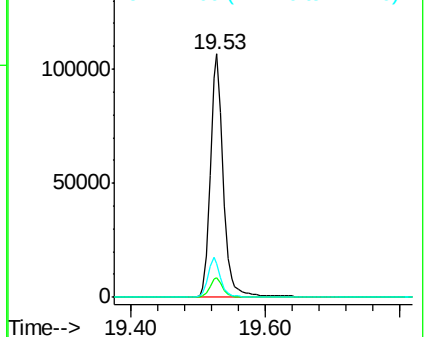
122 13.7 12.9 19.3



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# 2859

Delta R.T. -0.04 min

Lab File: BE090823.D

Acq: 15 Sep 2015 5:55

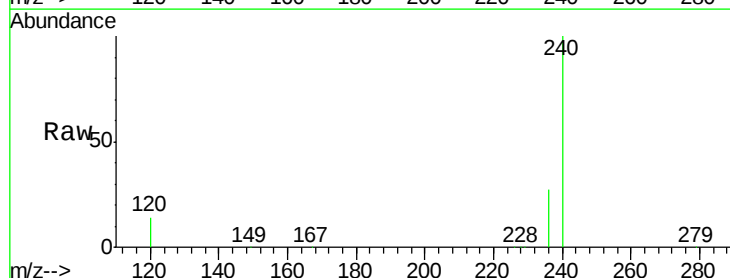
Tgt Ion:228 Resp: 1182

Ion Ratio Lower Upper

228 100

226 24.0 24.2 36.4#

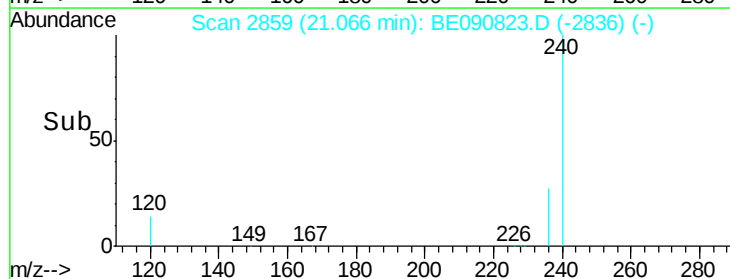
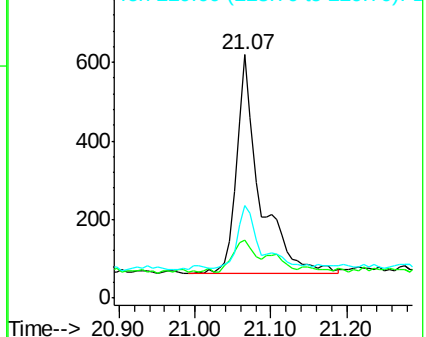
229 37.7 15.3 22.9#

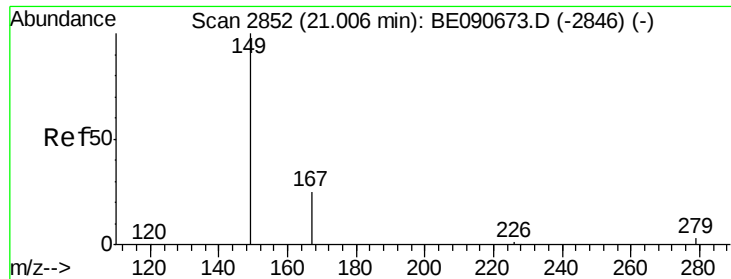


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

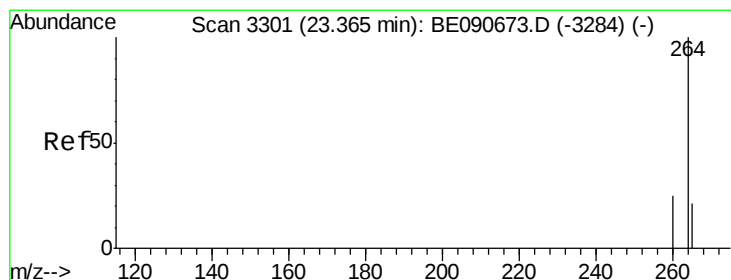
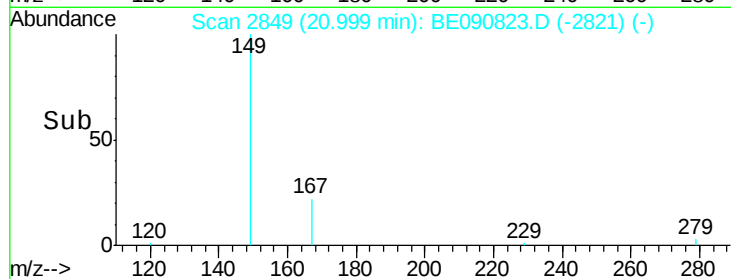
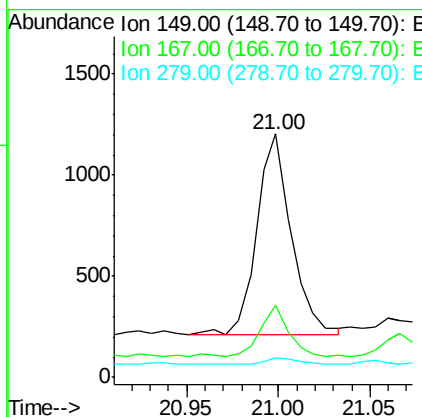
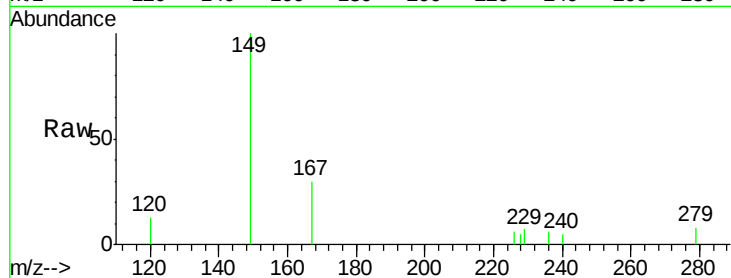




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.16 ng
 RT: 21.00 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

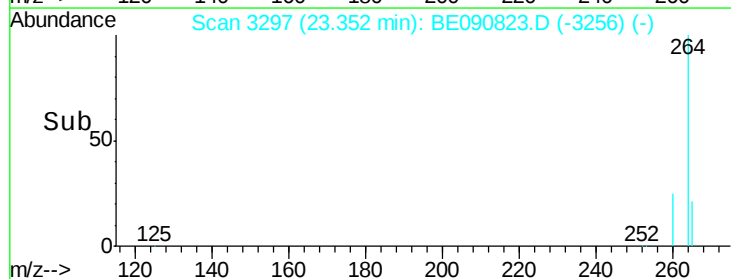
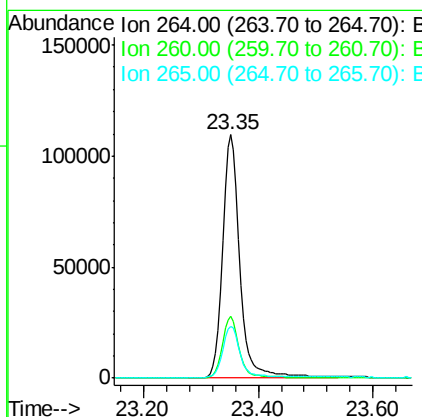
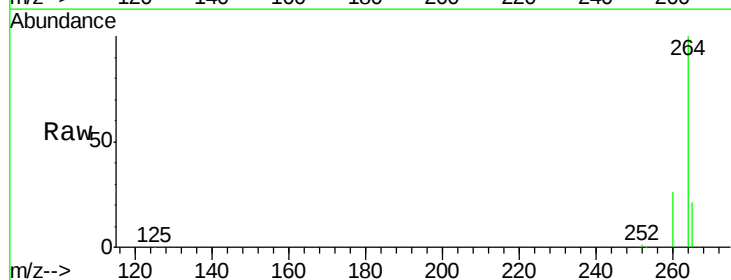
Instrument :
 BNA_E
 ClientSampleId :
 091315-PRKA-F-D-B

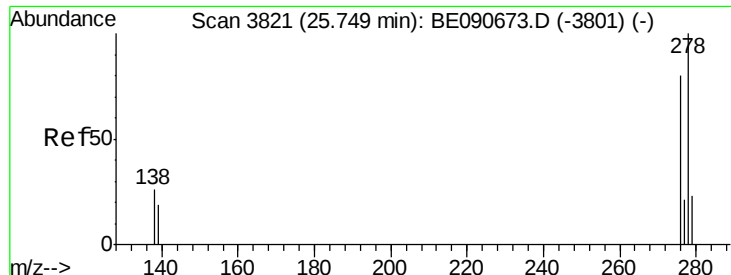
Tot Ion:149 Resp: 1310
 Ion Ratio Lower Upper
 149 100
 167 20.0 20.1 30.1#
 279 3.0 2.3 3.5



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090823.D
 Acq: 15 Sep 2015 5:55

Tgt Ion:264 Resp: 233162
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.7 29.5
 265 21.3 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: BE090823.D

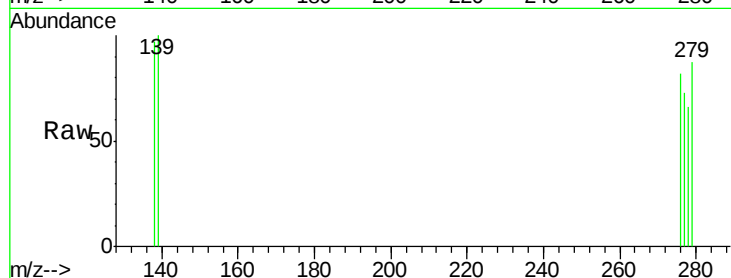
Acq: 15 Sep 2015 5:55

Instrument :

BNA_E

ClientSampleId :

091315-PRKA-F-D-B



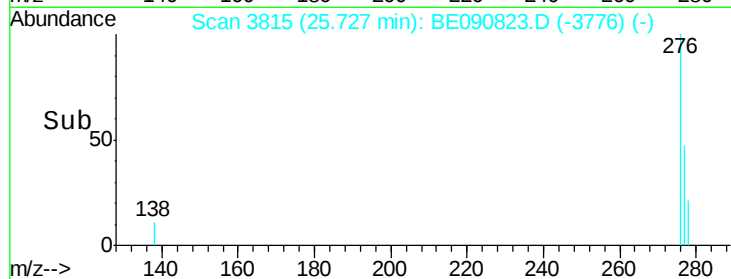
Tot Ion: 278 Resp: 13

Ion Ratio Lower Upper

278 100

139 152.5 15.4 23.0#

279 132.8 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

