

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090805.D
 Acq On : 14 Sep 2015 19:07
 Operator : UM/IZ
 Sample : G3657-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

Quant Time: Sep 15 00:58:02 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	33758	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	134335	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	61581	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	153476	5.00	ng	0.00
25) Chrysene-d12	21.07	240	201939	5.00	ng	0.00
32) Perylene-d12	23.35	264	201022	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	18455	2.82	ng	0.00
5) Phenol-d6	6.76	99	13141	1.40	ng	0.00
7) Nitrobenzene-d5	8.71	82	36229	4.08	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	10921	6.08	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	77345	4.54	ng	0.00
27) Terphenyl-d14	19.53	244	133436	5.97	ng	-0.01

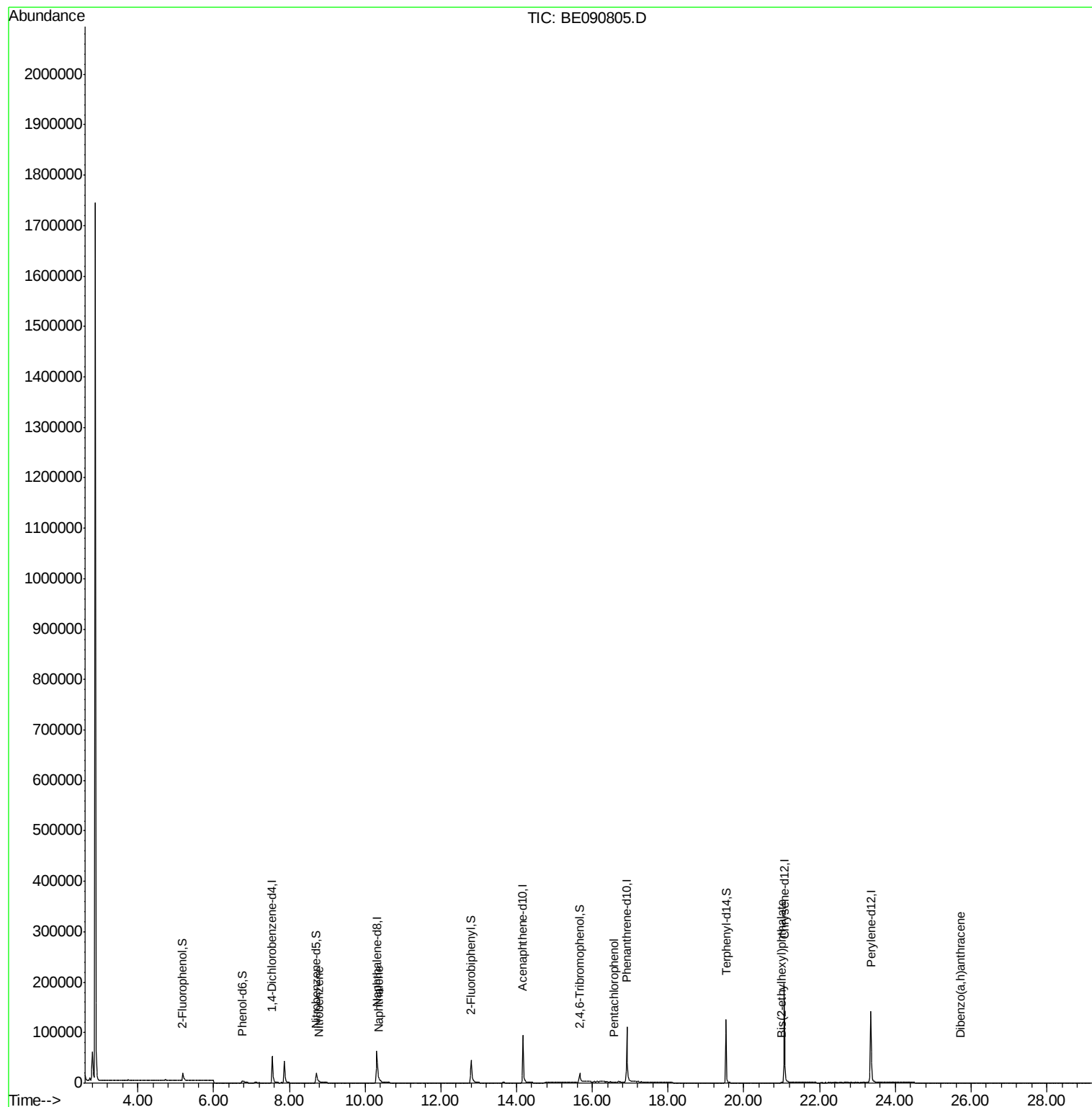
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	85	Below Cal	#	80
3) n-Nitrosodimethylamine	3.46	42	59	Below Cal	#	1
8) Nitrobenzene	8.78	77	7	0.11 ng	#	1
9) Naphthalene	10.36	128	669	0.02 ng	#	57
20) Hexachlorobenzene	16.23	284	42	Below Cal	#	37
21) Pentachlorophenol	16.58	266	17	0.47 ng	#	47
29) Chrysene	21.07	228	765	Below Cal	#	80
30) Bis(2-ethylhexyl)phthalate	21.00	149	1471	0.19 ng	#	94
36) Dibenzo(a,h)anthracene	25.72	278	16	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: BE090805.D

Acq: 14 Sep 2015 19:07

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

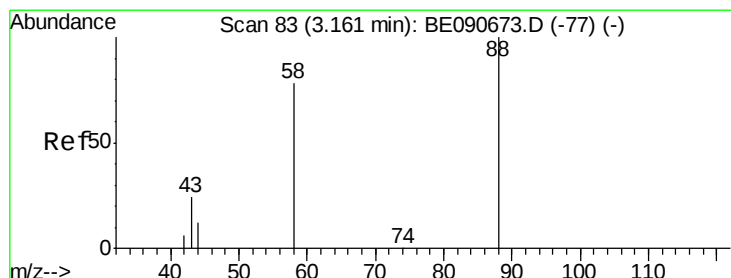
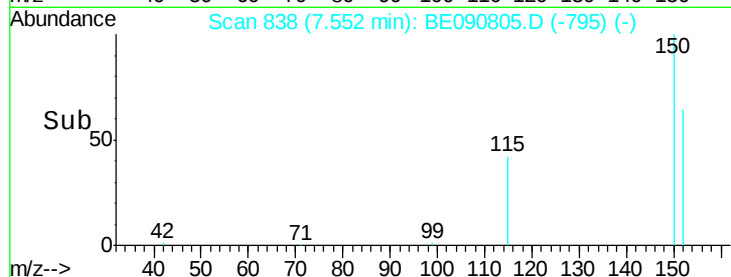
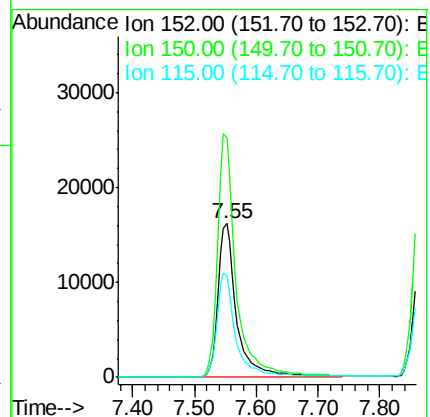
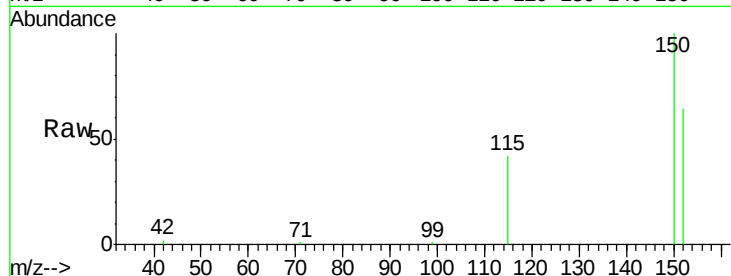
Tot Ion:152 Resp: 33758

Ion Ratio Lower Upper

152 100

150 155.9 122.2 183.4

115 65.7 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.18 min Scan# 85

Delta R.T. 0.01 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

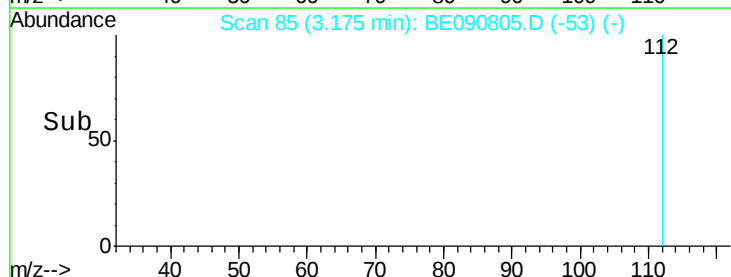
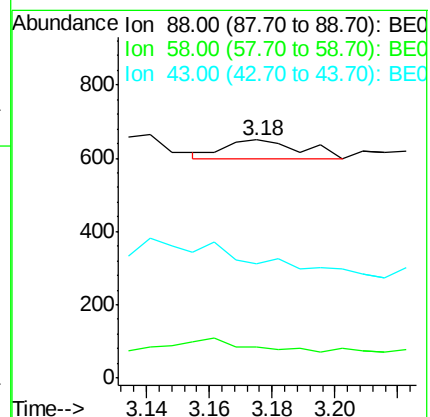
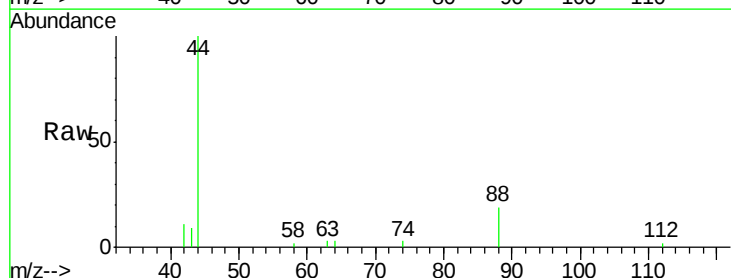
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

58 89.4 68.4 102.6

43 0.0 26.9 40.3#



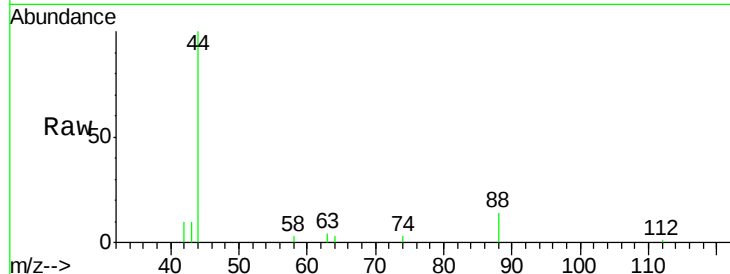


#3

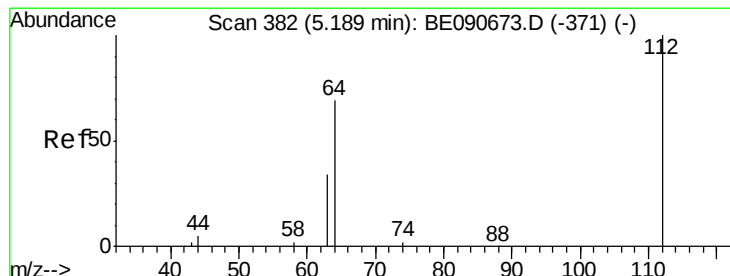
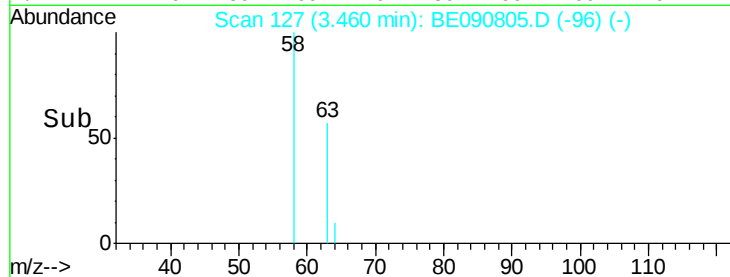
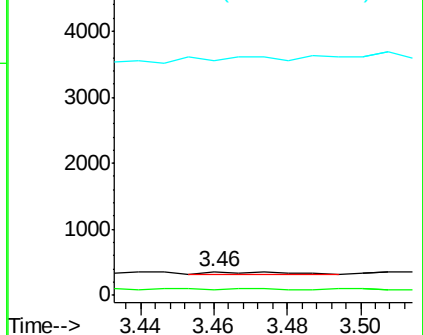
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.46 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

Tot Ion: 42 Resp: 59
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 255.9 10.0 15.0#



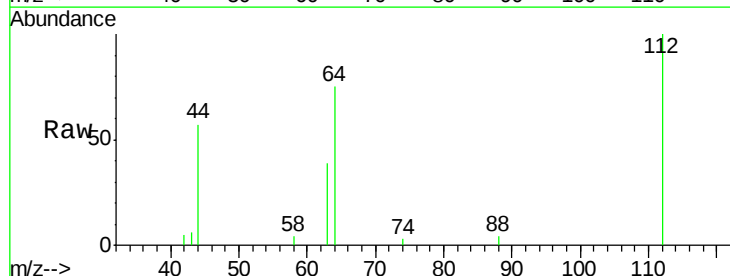
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



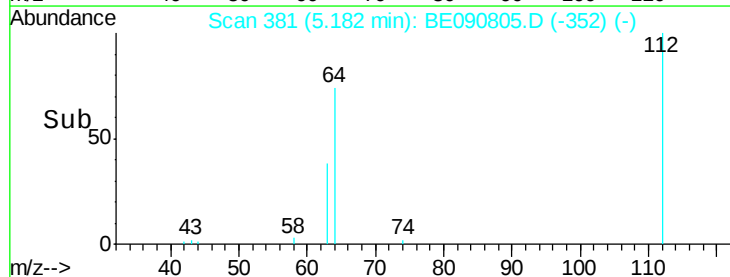
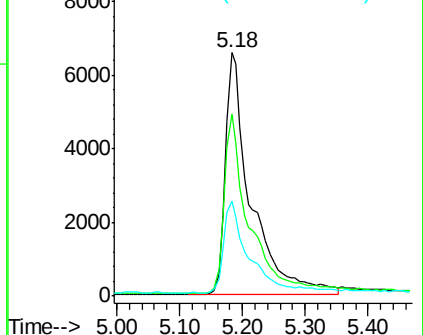
#4

2-Fluorophenol
 Concen: 2.82 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Tgt Ion: 112 Resp: 18455
 Ion Ratio Lower Upper
 112 100
 64 72.6 57.3 85.9
 63 38.7 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: 1.40 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

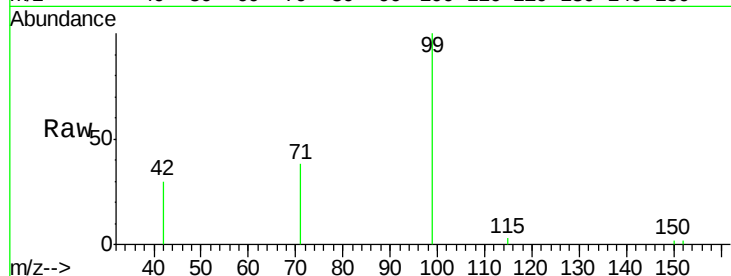
Tot Ion: 99 Resp: 13141

Ion Ratio Lower Upper

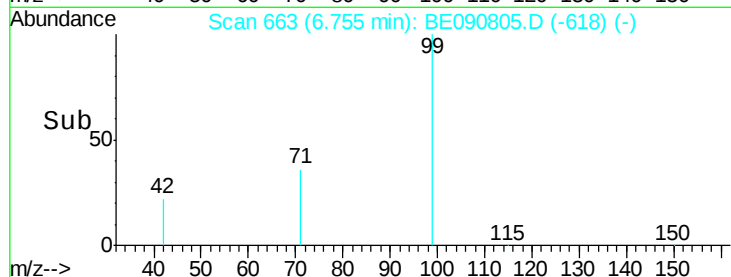
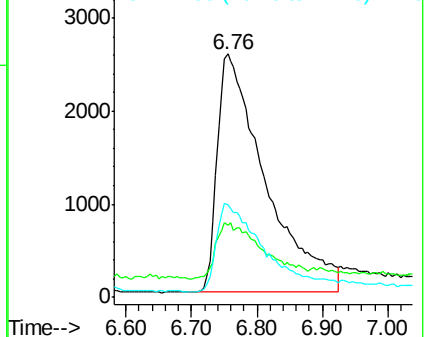
99 100

42 23.6 16.8 25.2

71 37.5 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: BE090805.D

Acq: 14 Sep 2015 19:07

Tgt Ion: 136 Resp: 134335

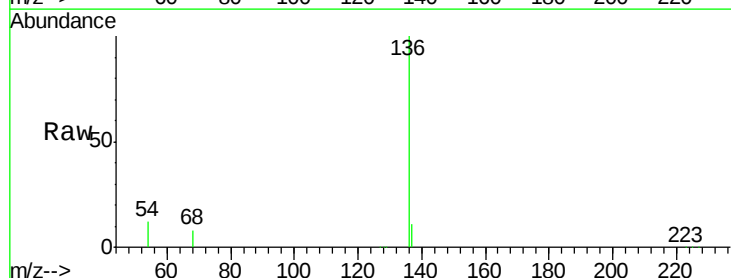
Ion Ratio Lower Upper

136 100

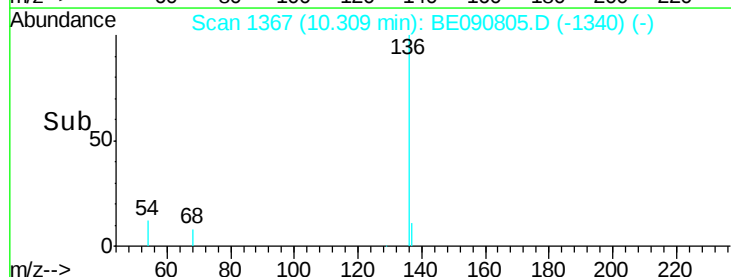
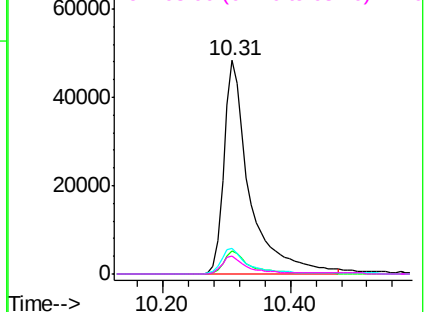
137 11.0 8.7 13.1

54 11.7 9.0 13.6

68 8.4 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: 4.08 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

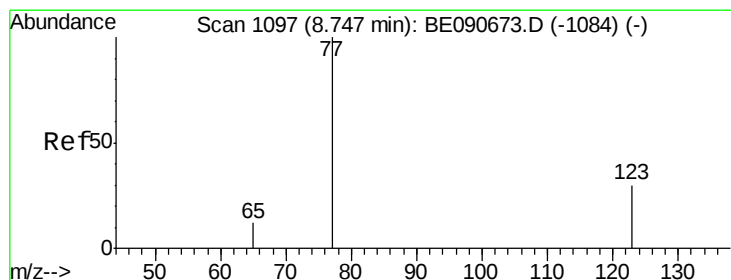
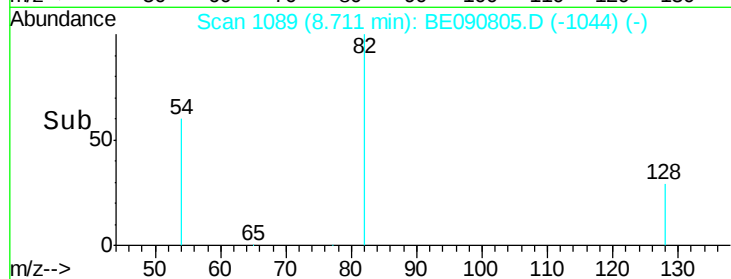
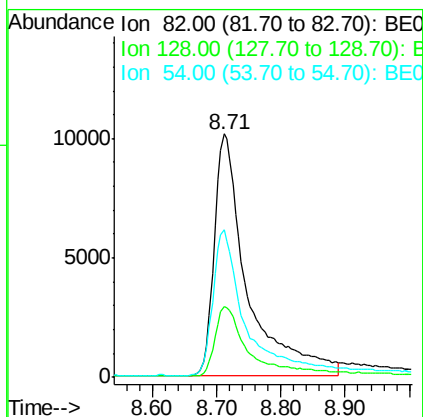
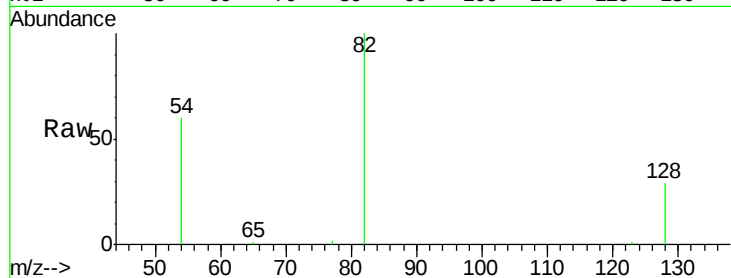
Tot Ion: 82 Resp: 36229

Ion Ratio Lower Upper

82 100

128 29.0 25.0 37.4

54 60.4 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.78 min Scan# 1105

Delta R.T. 0.04 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

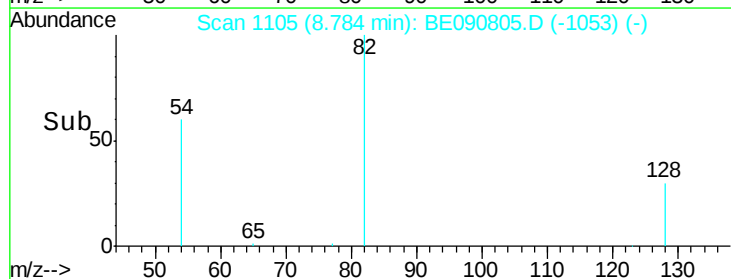
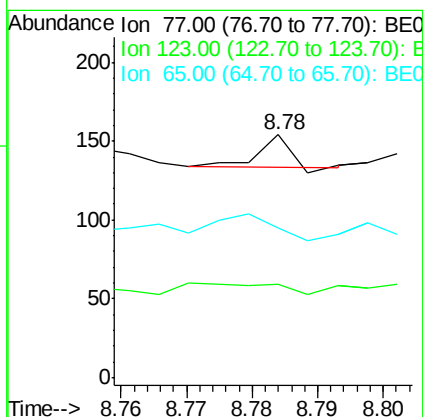
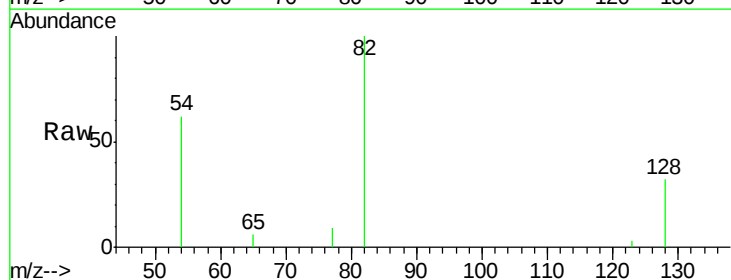
Tgt Ion: 77 Resp: 7

Ion Ratio Lower Upper

77 100

123 100.0 25.1 37.7#

65 142.9 9.9 14.9#





#9

Naphthalene

Concen: 0.02 ng

RT: 10.36 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S

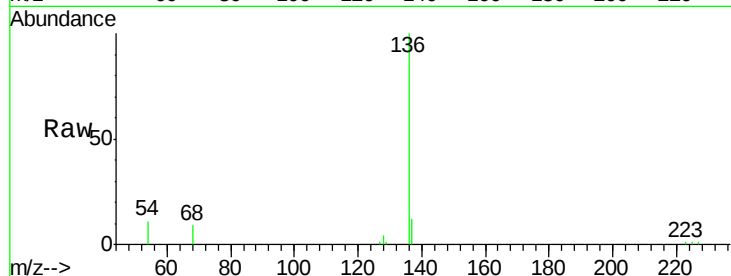
Tot Ion:128 Resp: 669

Ion Ratio Lower Upper

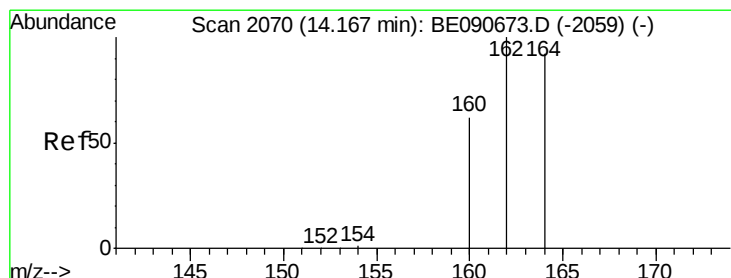
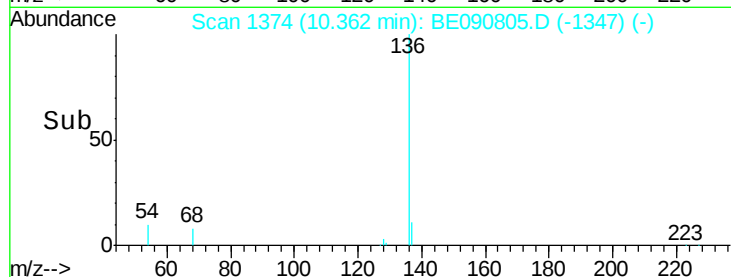
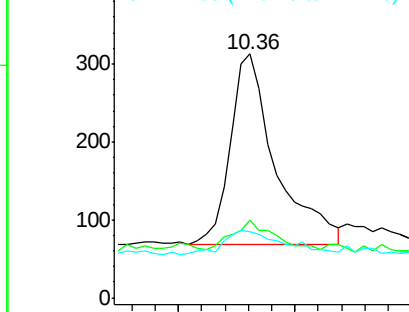
128 100

129 31.9 9.0 13.6#

127 26.8 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: BE090805.D

Acq: 14 Sep 2015 19:07

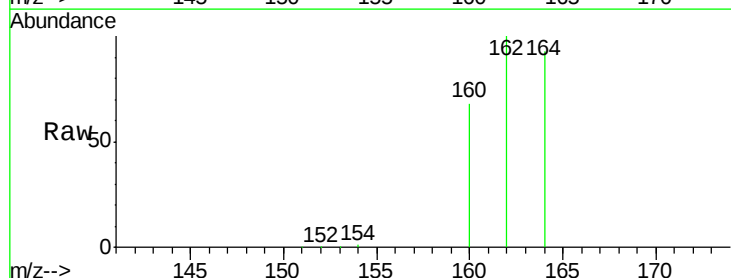
Tgt Ion:164 Resp: 61581

Ion Ratio Lower Upper

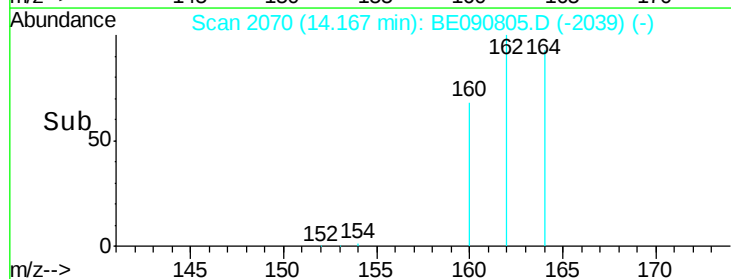
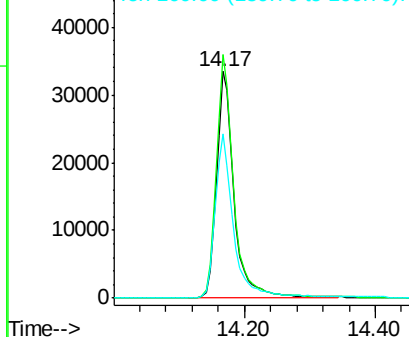
164 100

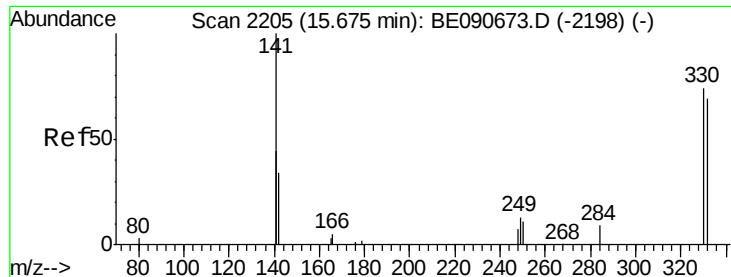
162 107.3 86.8 130.2

160 72.6 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

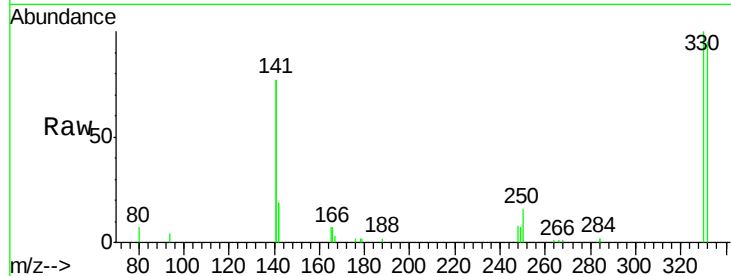




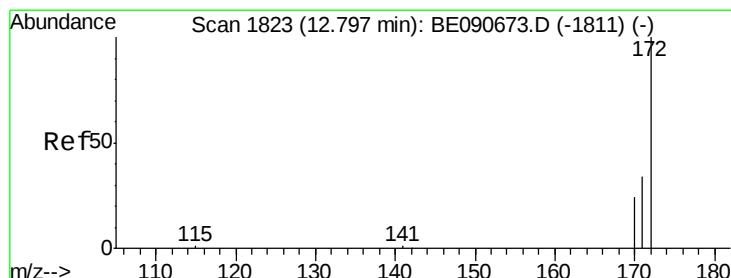
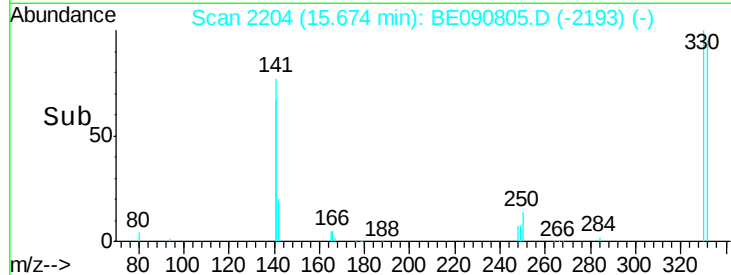
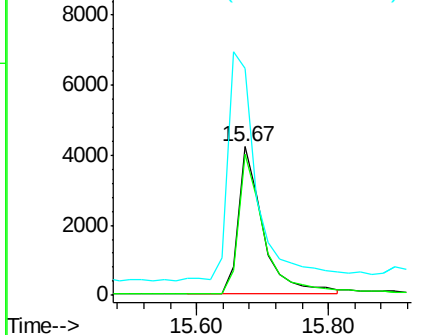
#13
 2,4,6-Tribromophenol
 Concen: 6.08 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Instrument :
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 091115-D534-E-D-S

Tot Ion:330 Resp: 10921
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.9 112.3
 141 183.5 145.2 217.8

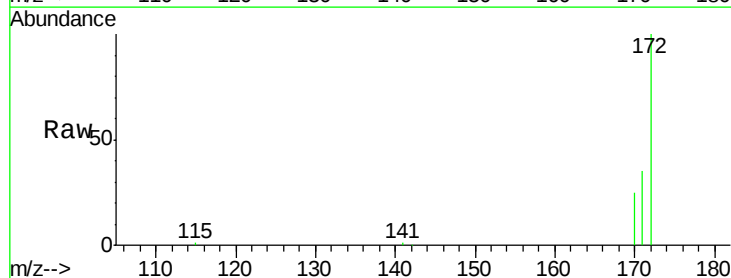


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

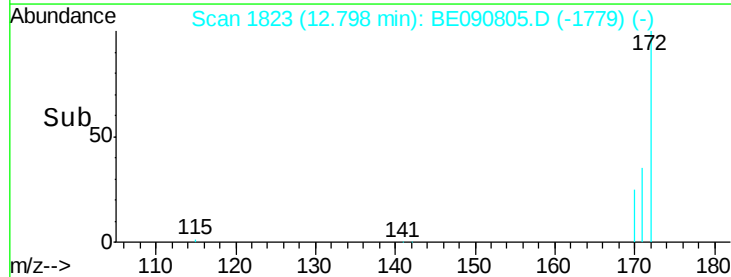
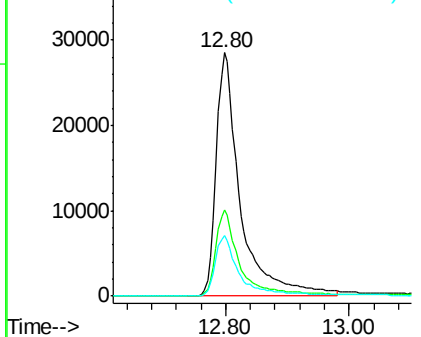


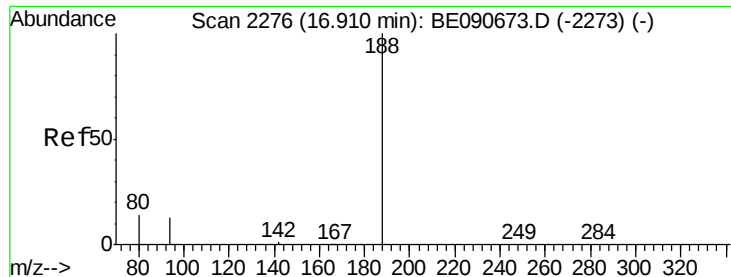
#14
 2-Fluorobiphenyl
 Concen: 4.54 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Tgt Ion:172 Resp: 77345
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.8 41.8
 170 24.8 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# 2275

Delta R.T. -0.00 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

Instrument :

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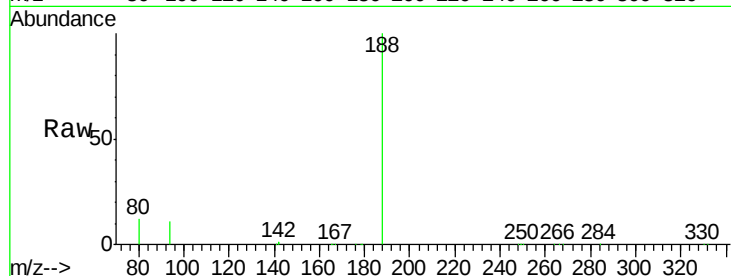
Tot Ion:188 Resp: 153476

Ion Ratio Lower Upper

188 100

94 11.4 10.3 15.5

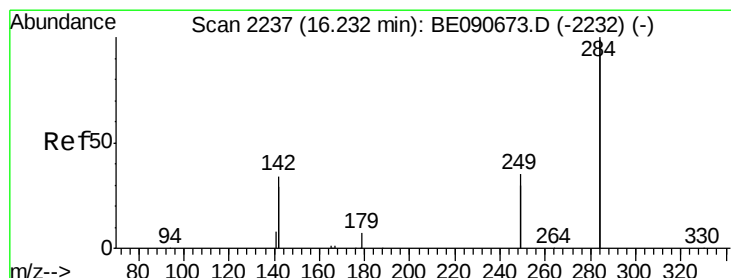
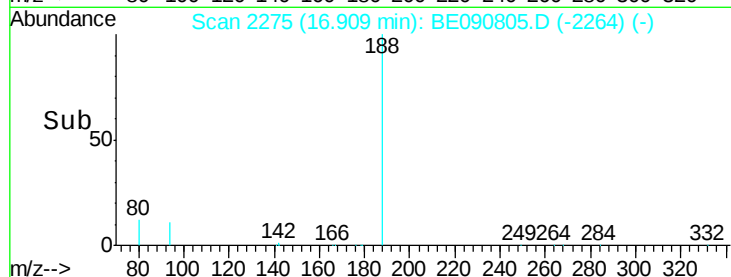
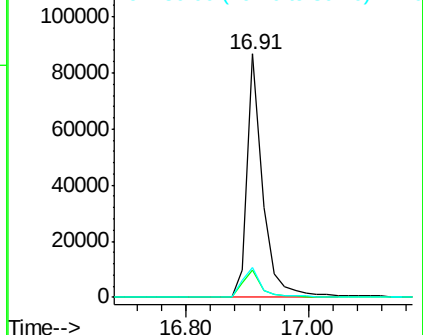
80 12.1 11.0 16.6



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: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090805.D

Acq: 14 Sep 2015 19:07

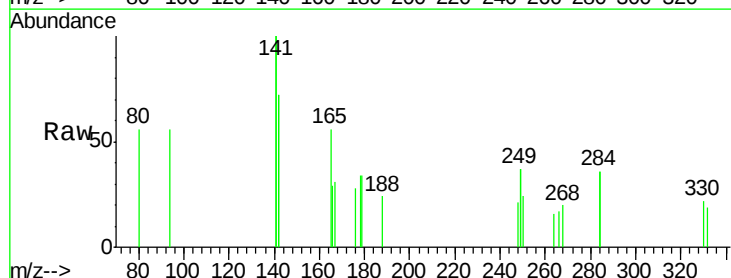
Tgt Ion:284 Resp: 42

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

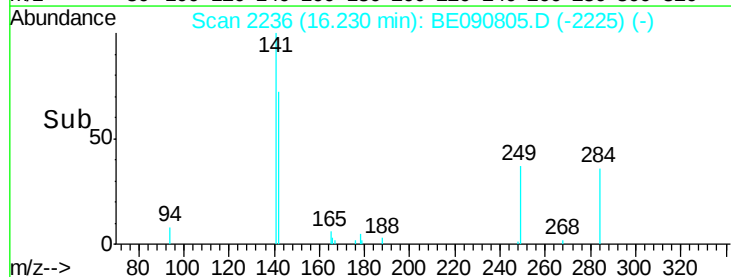
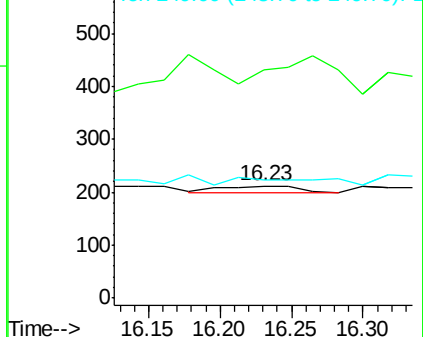
249 0.0 25.5 38.3#

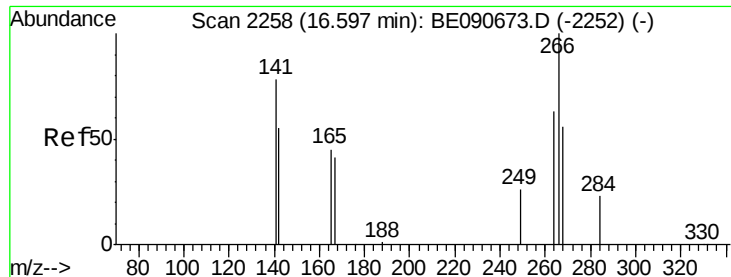


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

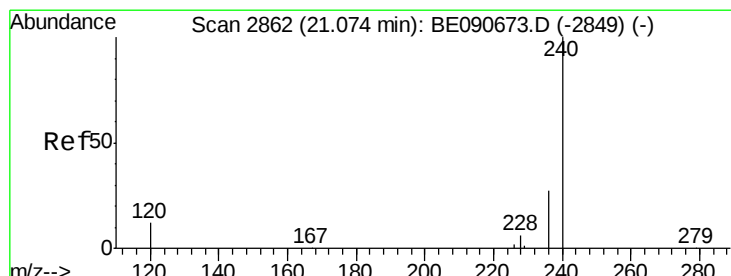
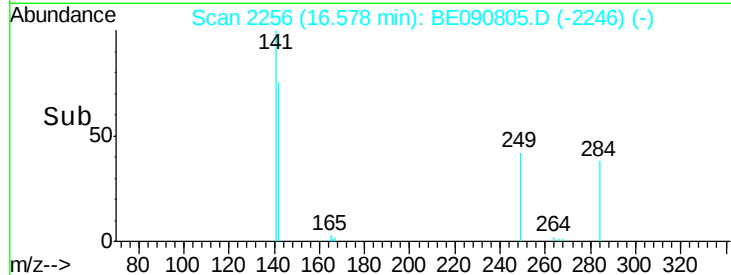
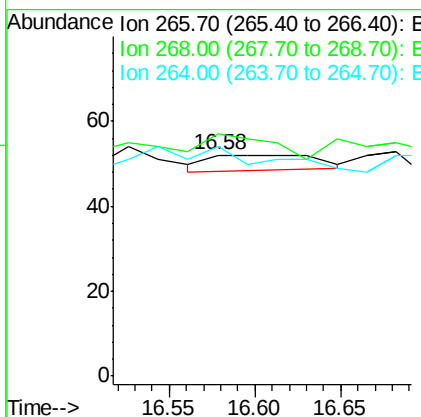
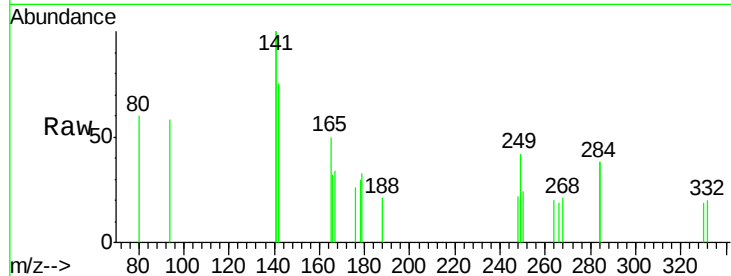




#21
 Pentachlorophenol
 Concen: 0.47 ng
 RT: 16.58 min Scan# 2256
 Delta R.T. -0.02 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

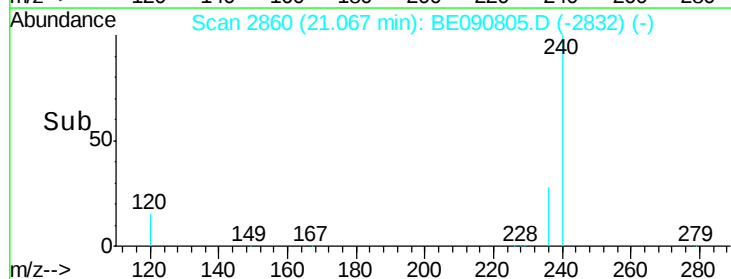
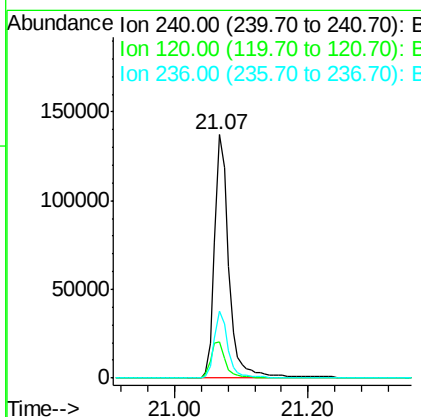
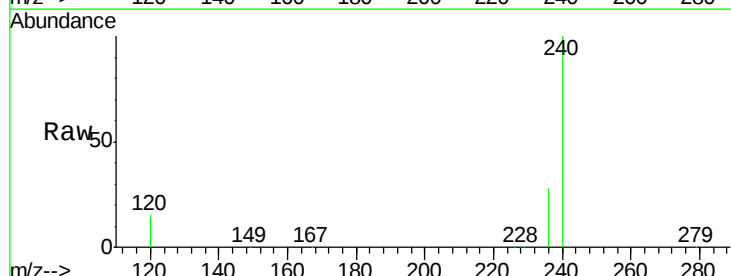
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

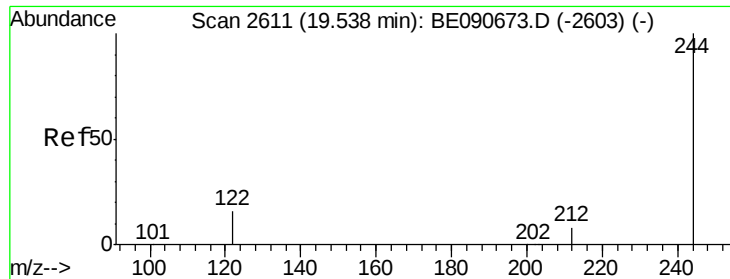
Tot Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 268 109.6 49.6 74.4#
 264 103.8 53.9 80.9#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Tgt Ion:240 Resp: 201939
 Ion Ratio Lower Upper
 240 100
 120 14.7 10.1 15.1
 236 27.8 21.9 32.9

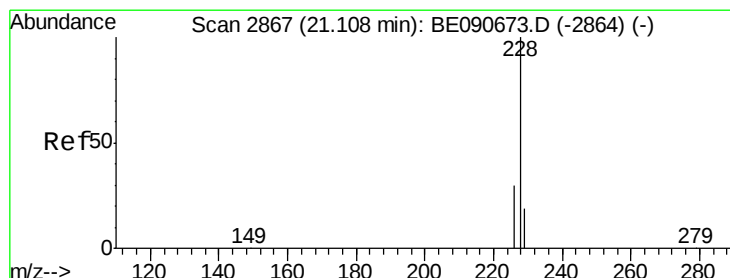
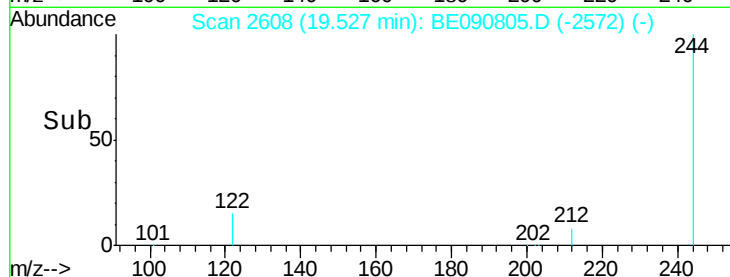
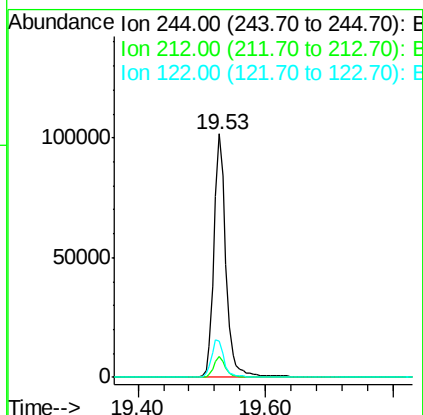
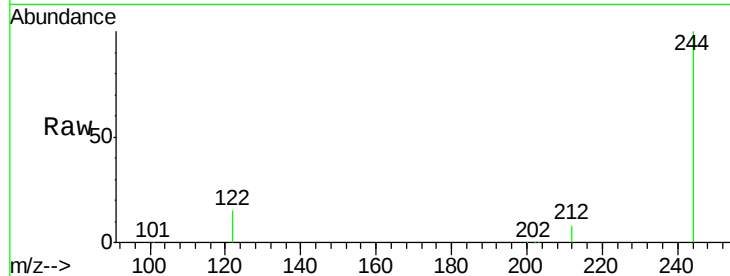




#27
 Terphenyl-d14
 Concen: 5.97 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

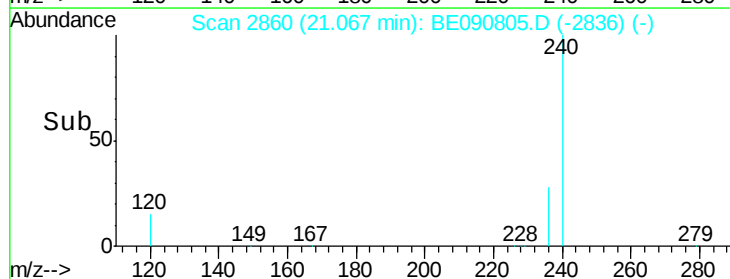
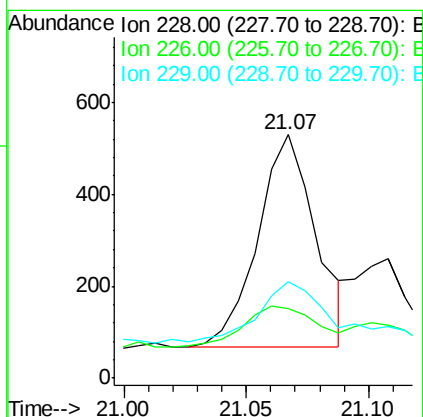
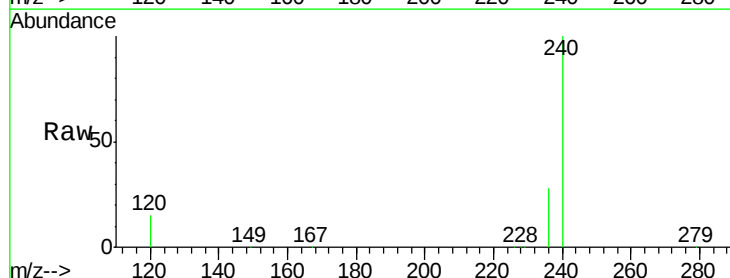
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

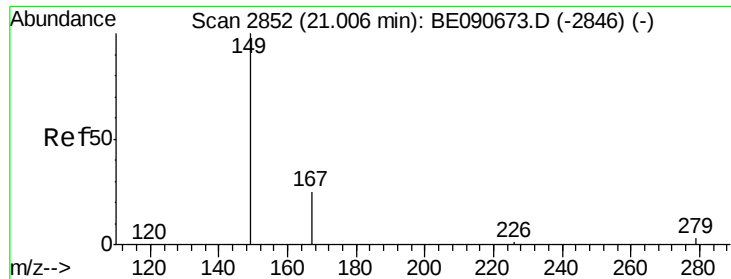
Tot Ion:244 Resp: 133436
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 14.8 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.04 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Tgt Ion:228 Resp: 765
 Ion Ratio Lower Upper
 228 100
 226 28.3 24.2 36.4
 229 39.8 15.3 22.9#

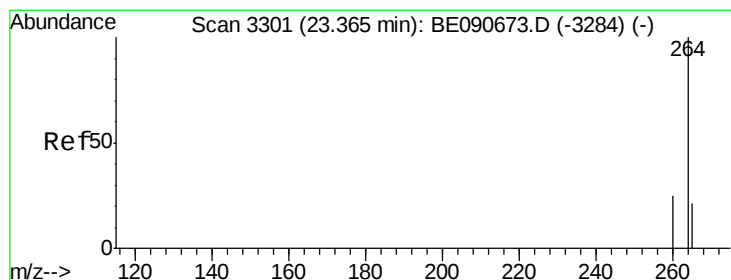
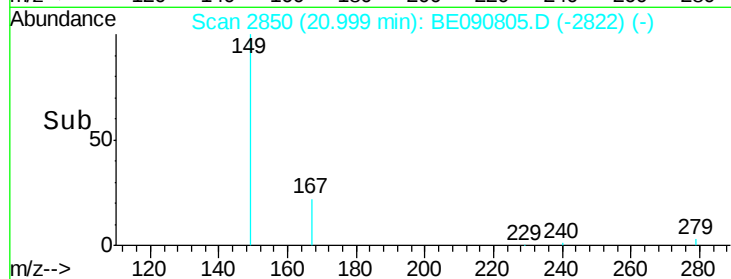
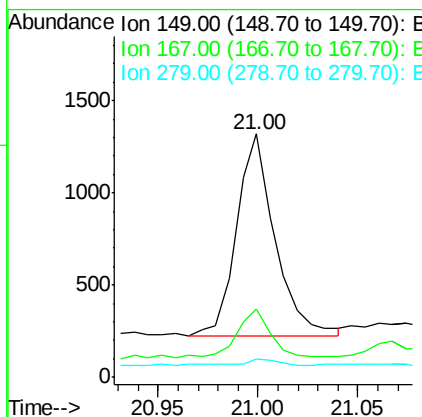
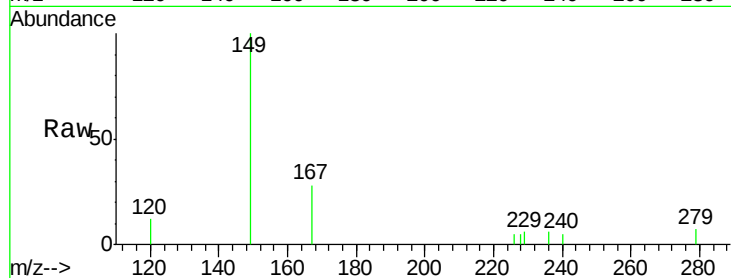




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.19 ng
 RT: 21.00 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

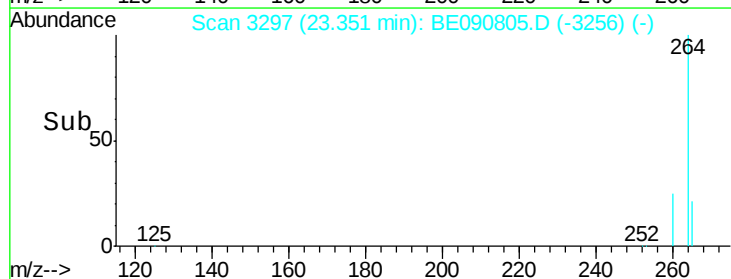
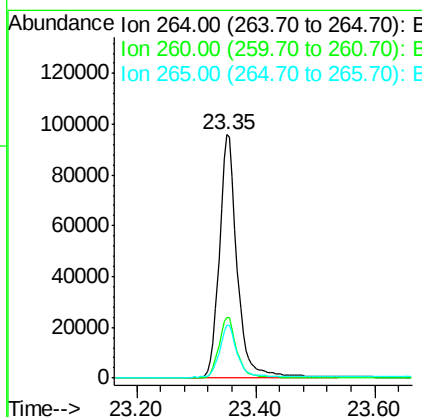
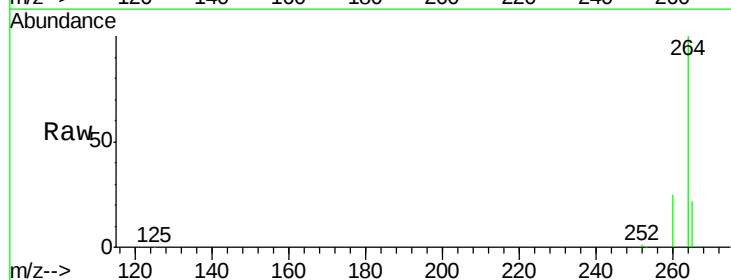
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-S

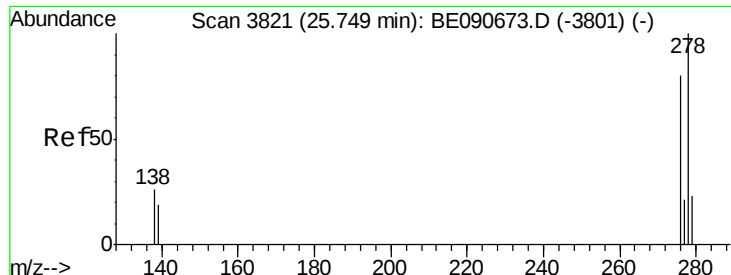
Tot Ion:149 Resp: 1471
 Ion Ratio Lower Upper
 149 100
 167 22.1 20.1 30.1
 279 4.1 2.3 3.5#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090805.D
 Acq: 14 Sep 2015 19:07

Tgt Ion:264 Resp: 201022
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.5 17.5 26.3





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.72 min Scan# 3814

Delta R.T. -0.03 min

Lab File: BE090805.D

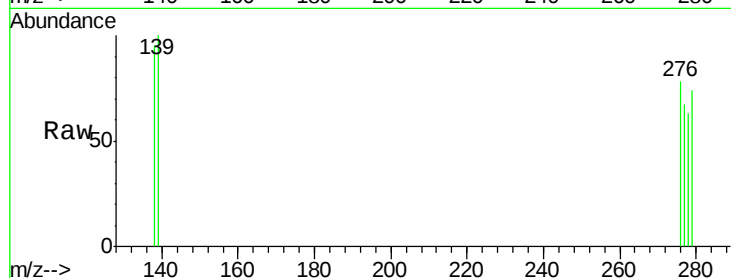
Acq: 14 Sep 2015 19:07

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-S



Tot Ion: 278 Resp: 16

Ion Ratio Lower Upper

278 100

139 159.1 15.4 23.0#

279 118.2 18.8 28.2#

