

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090804.D
 Acq On : 14 Sep 2015 18:29
 Operator : UM/IZ
 Sample : G3657-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 15 00:57:51 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	32886	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	135574	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	68814	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	182404	5.00	ng	0.00
25) Chrysene-d12	21.07	240	230467	5.00	ng	0.00
32) Perylene-d12	23.36	264	206870	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	15660	2.46	ng	0.00
5) Phenol-d6	6.75	99	10979	1.20	ng	0.00
7) Nitrobenzene-d5	8.71	82	32369	3.61	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	10810	5.40	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	76583	4.02	ng	0.00
27) Terphenyl-d14	19.53	244	145371	5.70	ng	-0.01

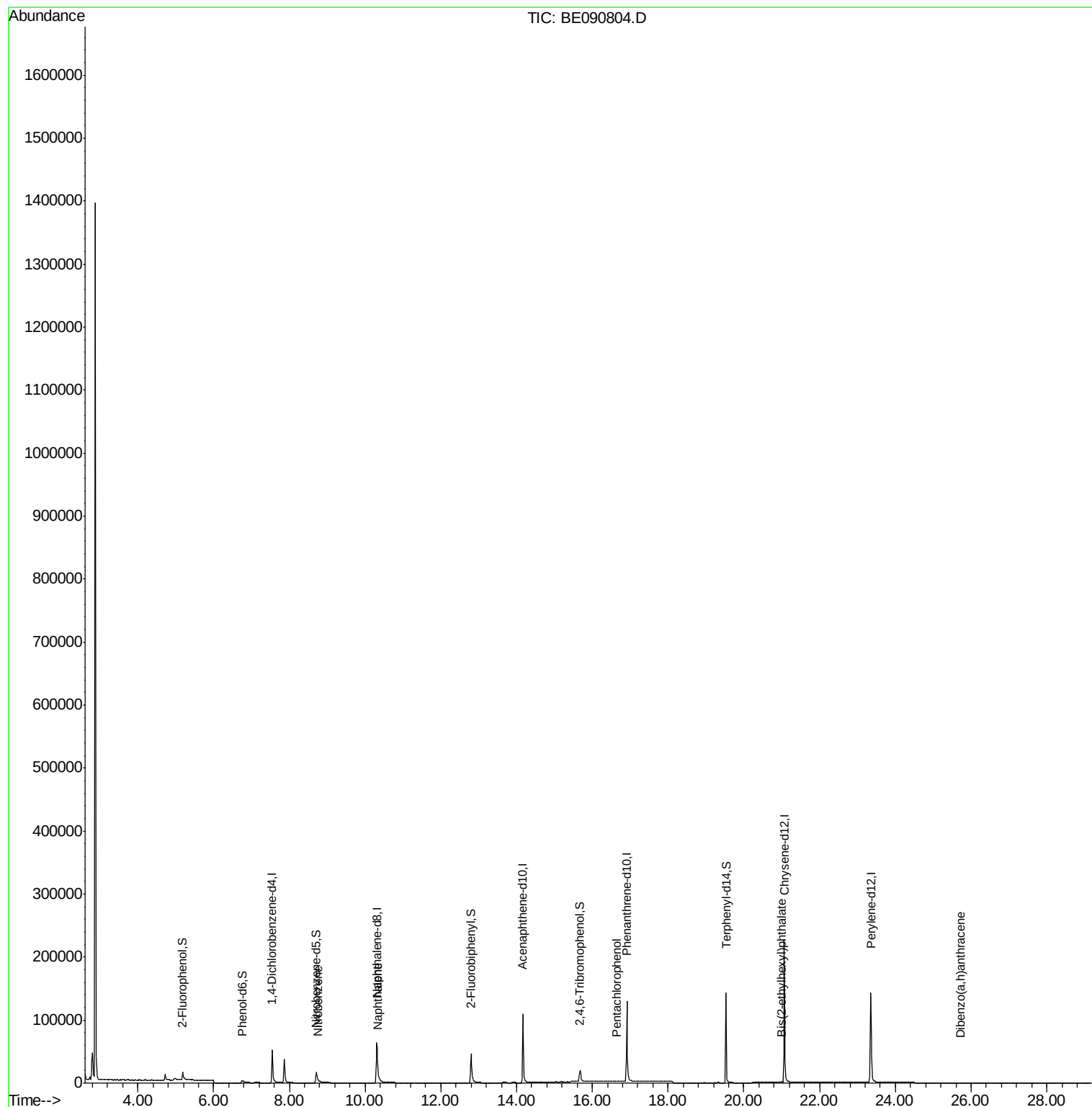
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	63	Below Cal	#	1
3) n-Nitrosodimethylamine	3.44	42	29	Below Cal	#	1
8) Nitrobenzene	8.77	77	6	0.11	ng	37
9) Naphthalene	10.35	128	1188	0.04	ng	67
20) Hexachlorobenzene	16.27	284	33	Below Cal	#	1
21) Pentachlorophenol	16.63	266	26	0.47	ng	55
29) Chrysene	21.10	228	506	Below Cal	#	62
30) Bis(2-ethylhexyl)phthalate	21.00	149	1586	0.18	ng	97
36) Dibenzo(a,h)anthracene	25.74	278	47	0.14	ng	1

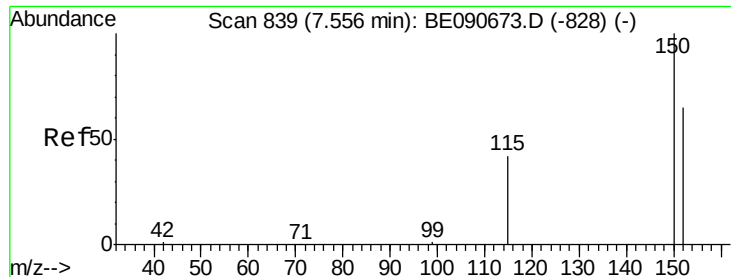
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B

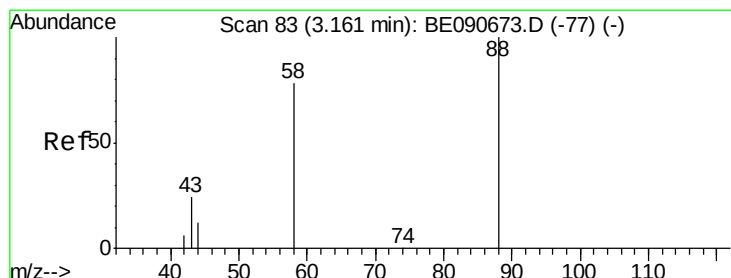
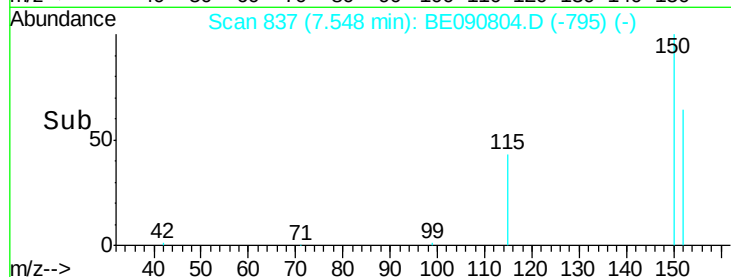
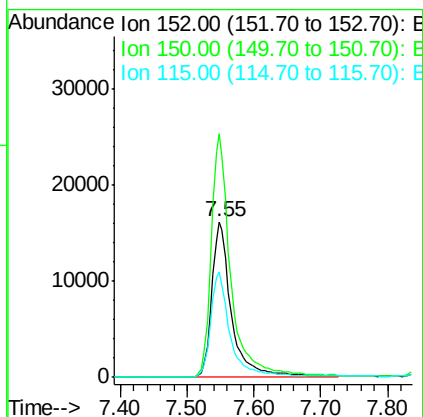
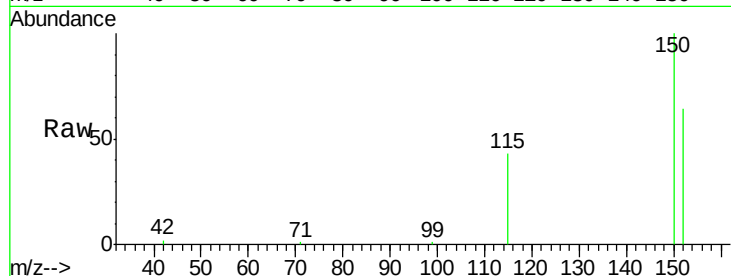
Tot Ion:152 Resp: 32886

Ion Ratio Lower Upper

152 100

150 156.3 122.2 183.4

115 67.4 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.24 min Scan# 95

Delta R.T. 0.08 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

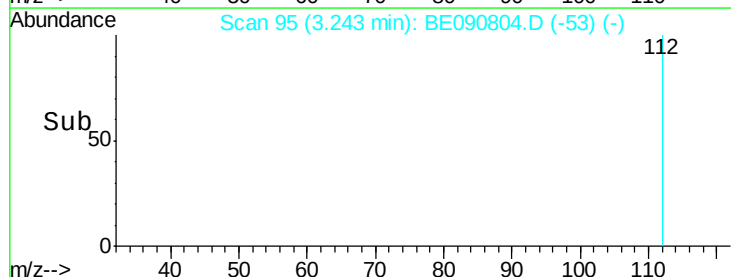
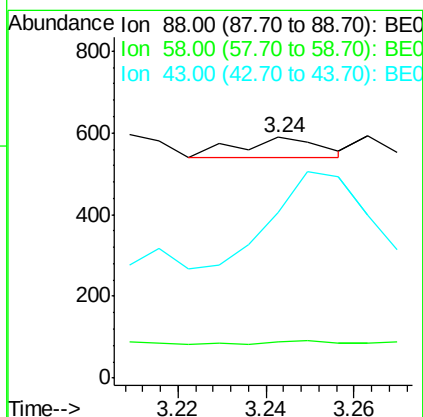
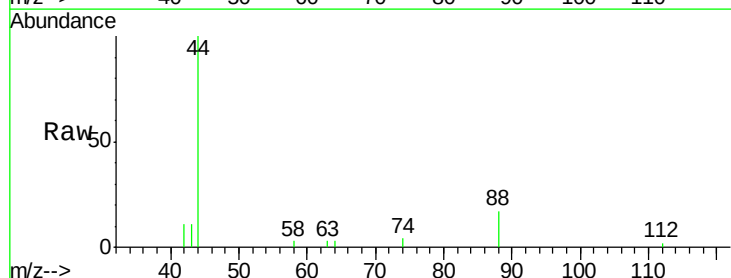
Tgt Ion: 88 Resp: 63

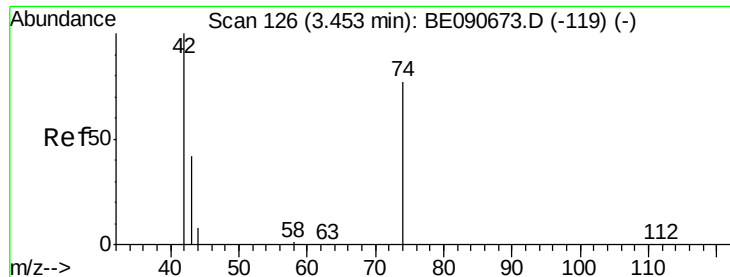
Ion Ratio Lower Upper

88 100

58 17.5 68.4 102.6#

43 734.9 26.9 40.3#



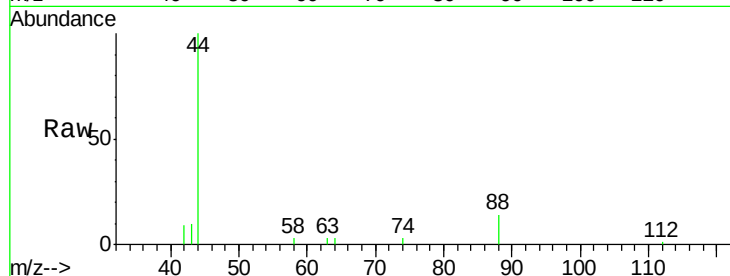


#3

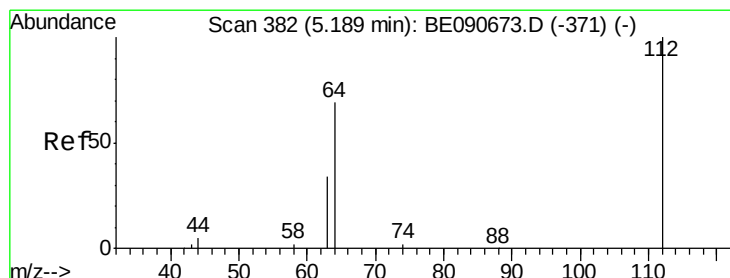
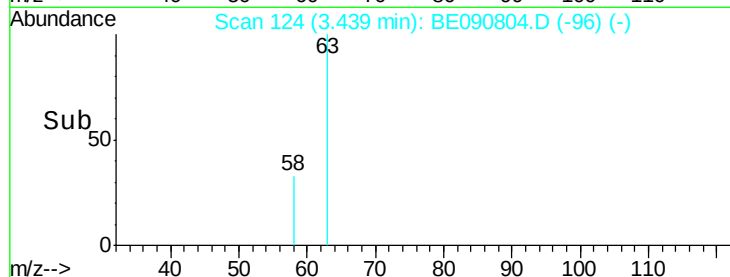
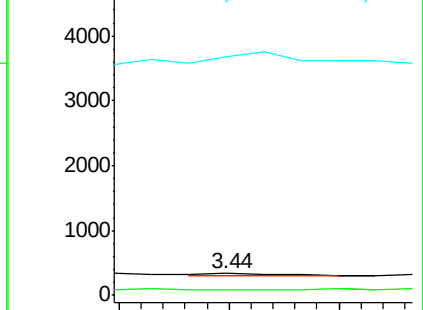
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.44 min Scan# 124
Delta R.T. -0.01 min
Lab File: BE090804.D
Acq: 14 Sep 2015 18:29

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

Tot Ion: 42 Resp: 29
Ion Ratio Lower Upper
42 100
74 0.0 83.7 125.5#
44 969.0 10.0 15.0#



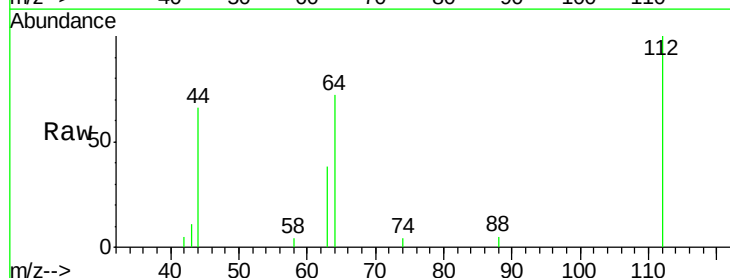
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



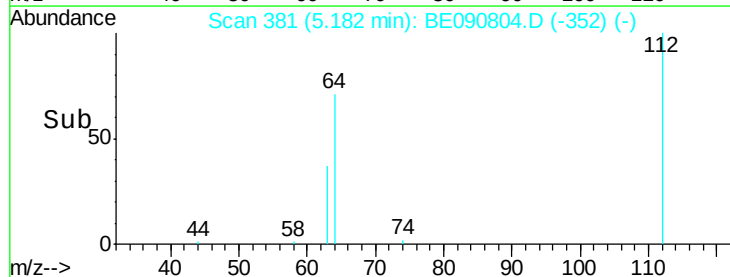
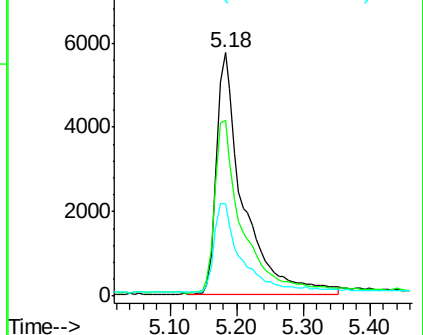
#4

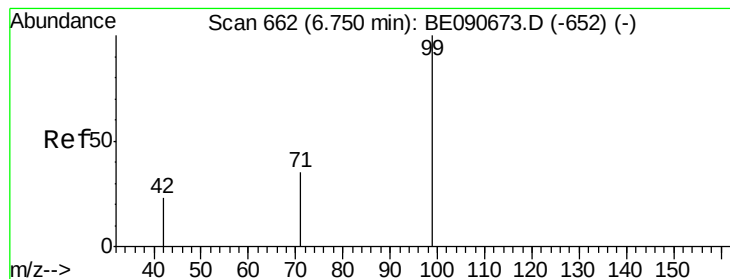
2-Fluorophenol
Concen: 2.46 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.01 min
Lab File: BE090804.D
Acq: 14 Sep 2015 18:29

Tgt Ion: 112 Resp: 15660
Ion Ratio Lower Upper
112 100
64 73.3 57.3 85.9
63 36.7 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: 1.20 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B

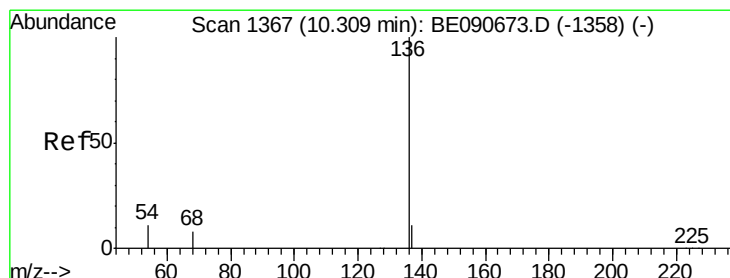
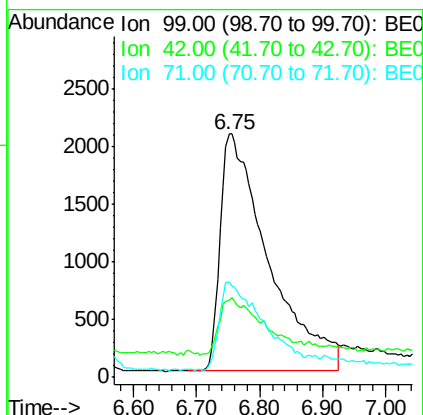
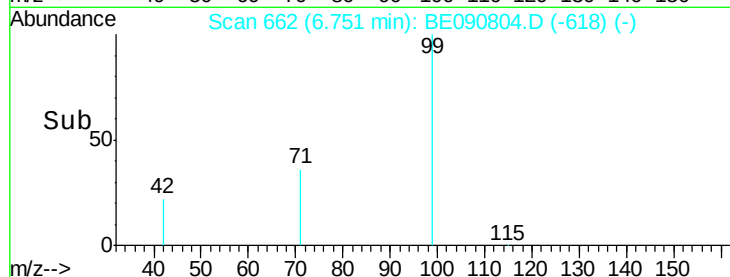
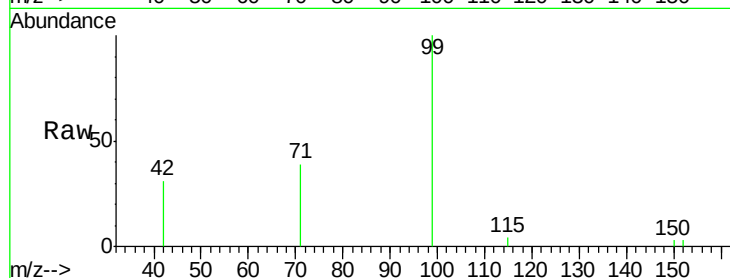
Tot Ion: 99 Resp: 10979

Ion Ratio Lower Upper

99 100

42 22.2 16.8 25.2

71 33.8 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: BE090804.D

Acq: 14 Sep 2015 18:29

Tgt Ion: 136 Resp: 135574

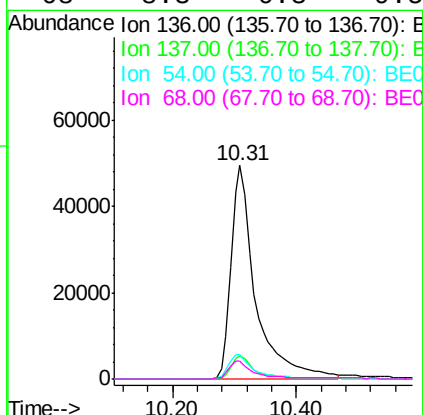
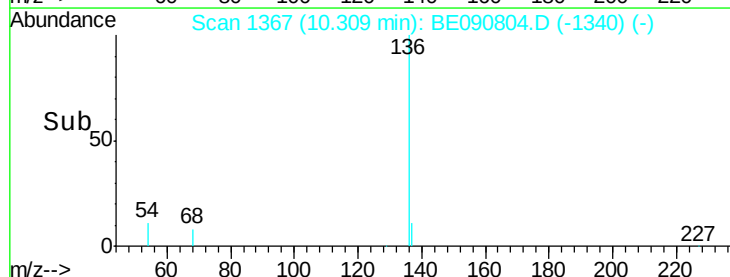
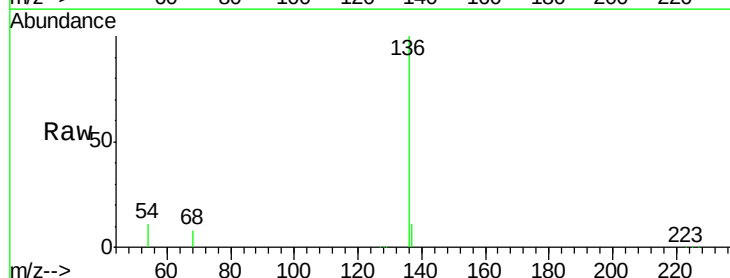
Ion Ratio Lower Upper

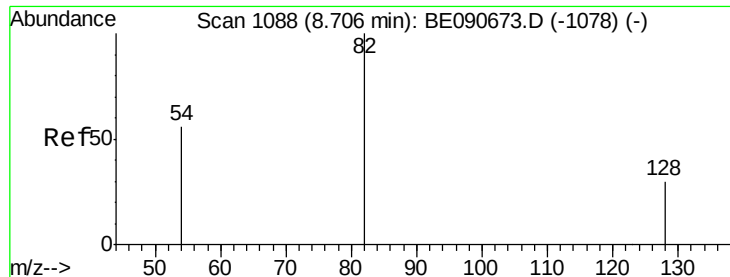
136 100

137 11.1 8.7 13.1

54 11.5 9.0 13.6

68 8.3 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.61 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B

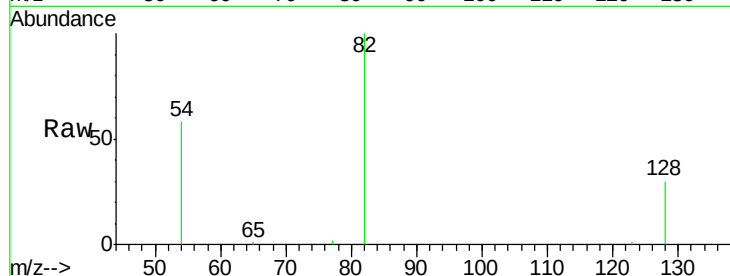
Tot Ion: 82 Resp: 32369

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.4

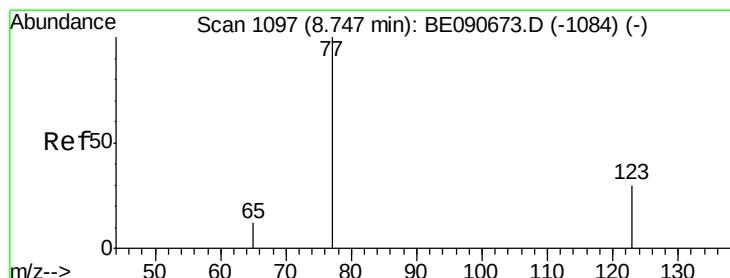
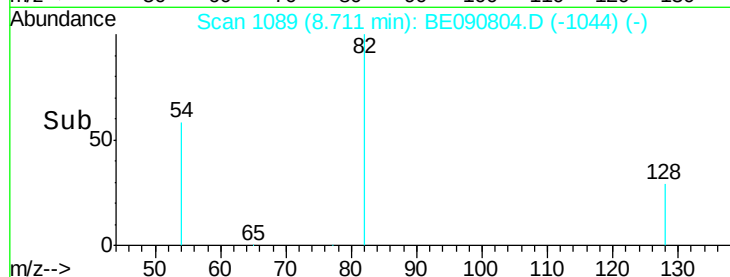
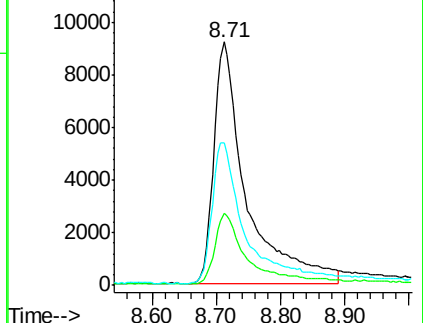
54 58.3 46.3 69.5



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: 8.77 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

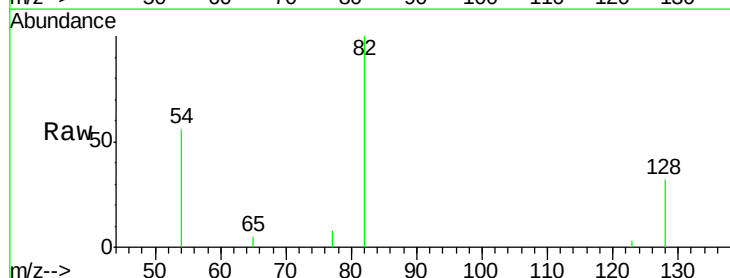
Tgt Ion: 77 Resp: 6

Ion Ratio Lower Upper

77 100

123 50.0 25.1 37.7#

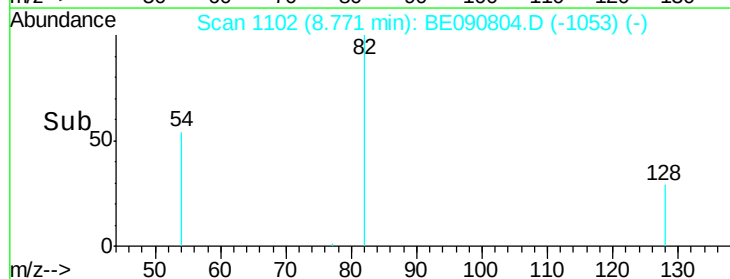
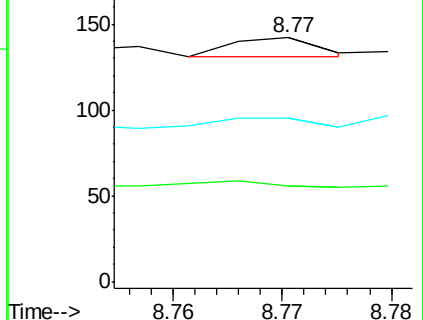
65 66.7 9.9 14.9#

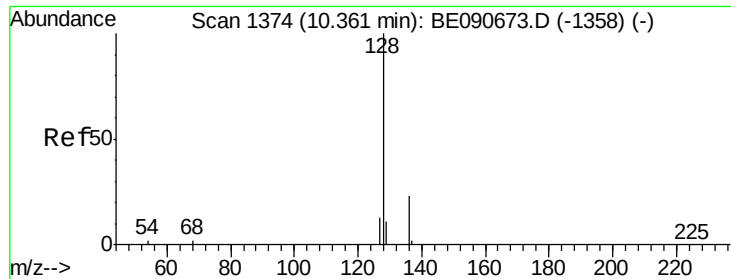


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.04 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

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ClientSampleId :

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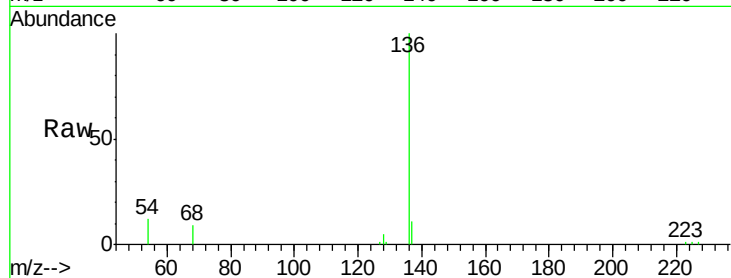
Tot Ion:128 Resp: 1188

Ion Ratio Lower Upper

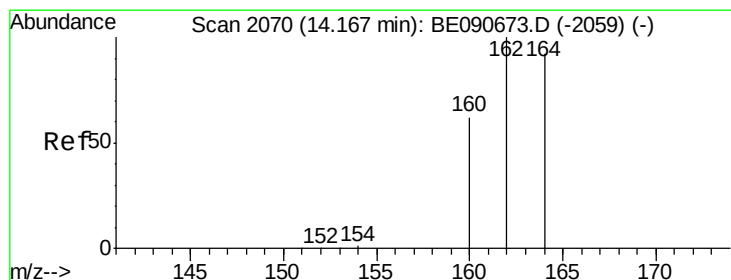
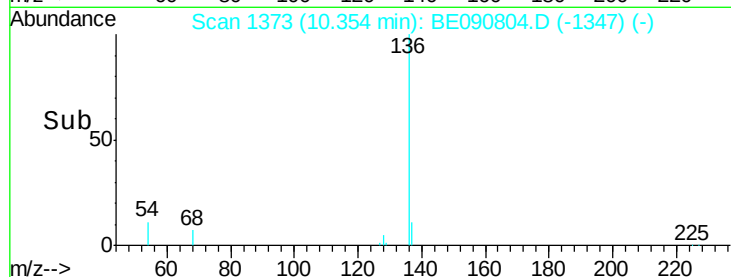
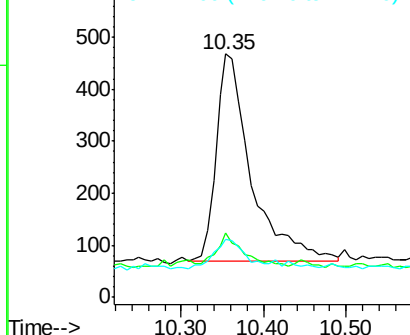
128 100

129 26.5 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: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

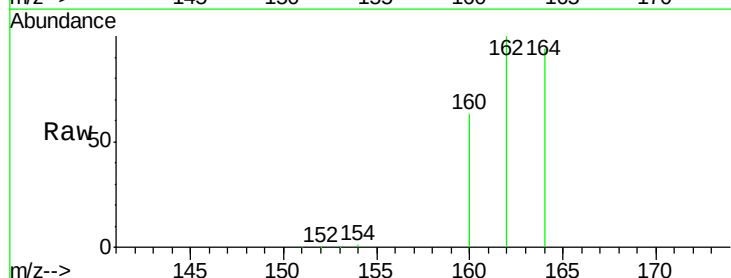
Tgt Ion:164 Resp: 68814

Ion Ratio Lower Upper

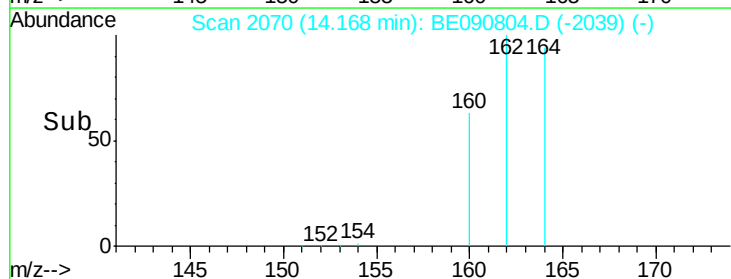
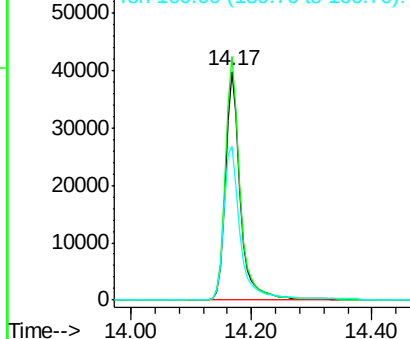
164 100

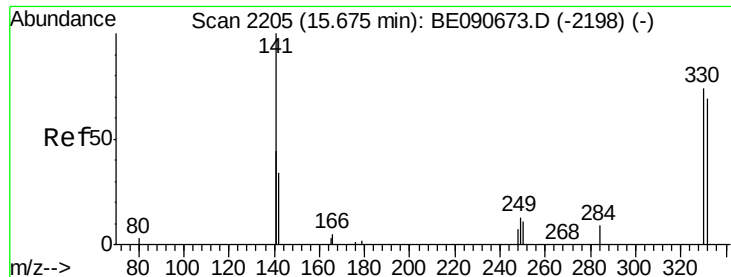
162 106.4 86.8 130.2

160 67.4 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

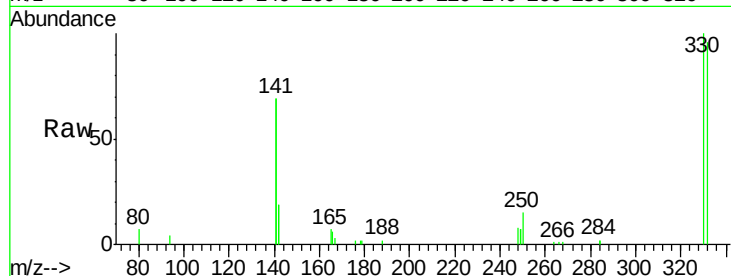




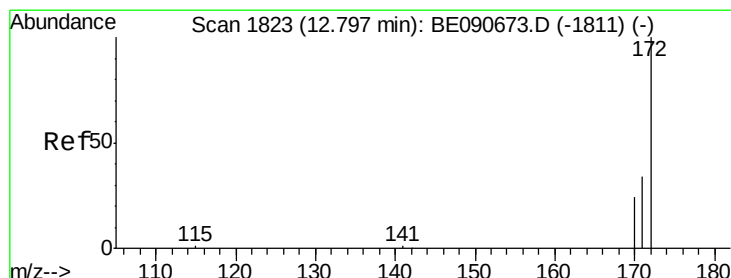
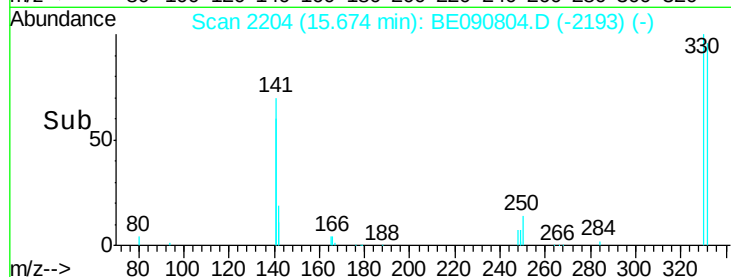
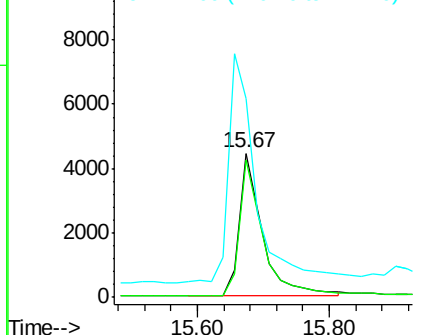
#13
 2,4,6-Tribromophenol
 Concen: 5.40 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

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

Tot Ion:330 Resp: 10810
 Ion Ratio Lower Upper
 330 100
 332 96.1 74.9 112.3
 141 190.8 145.2 217.8

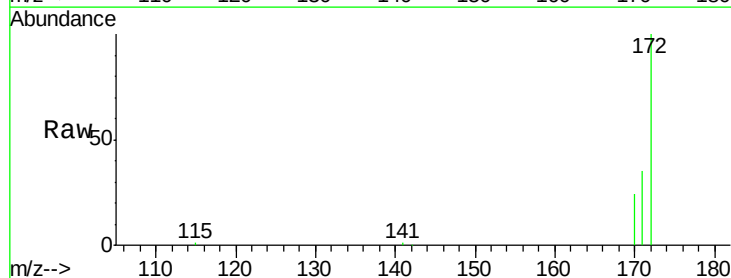


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

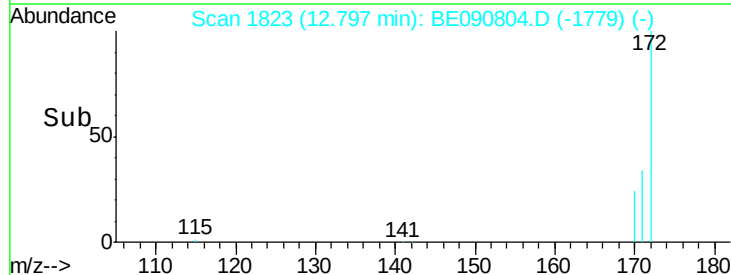
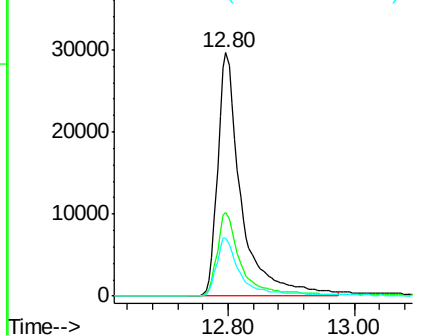


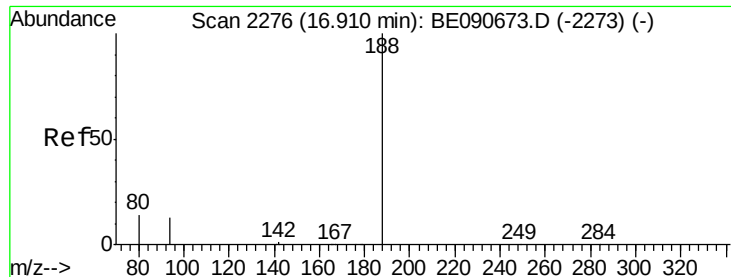
#14
 2-Fluorobiphenyl
 Concen: 4.02 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

Tgt Ion:172 Resp: 76583
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.8 41.8
 170 24.0 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: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B

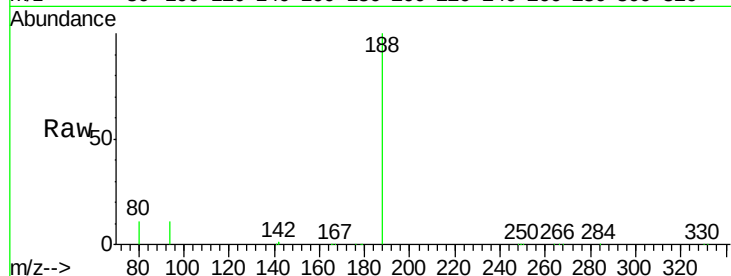
Tot Ion:188 Resp: 182404

Ion Ratio Lower Upper

188 100

94 10.5 10.3 15.5

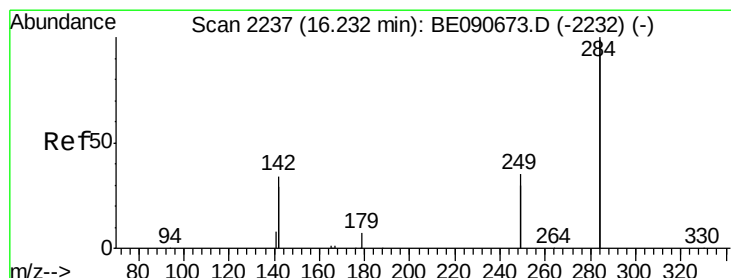
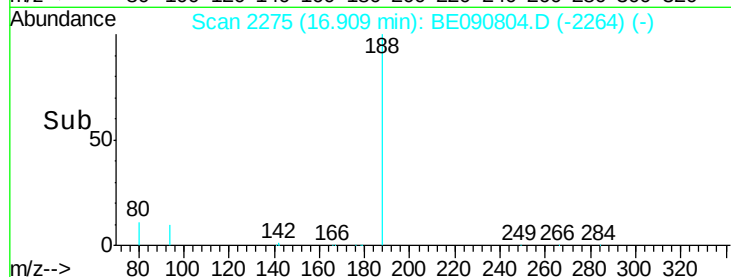
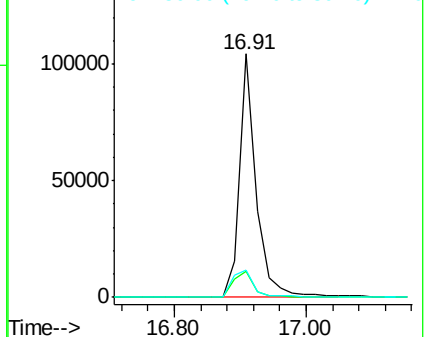
80 11.4 11.0 16.6



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: 16.27 min Scan# 2238

Delta R.T. 0.03 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

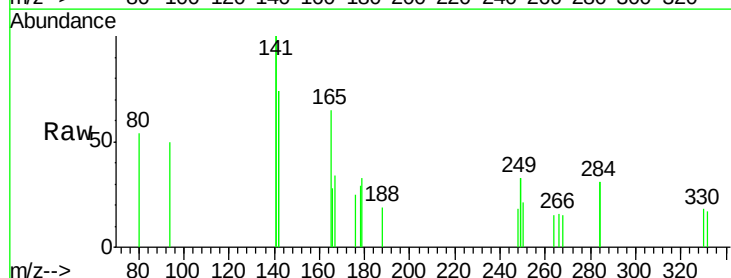
Tgt Ion:284 Resp: 33

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

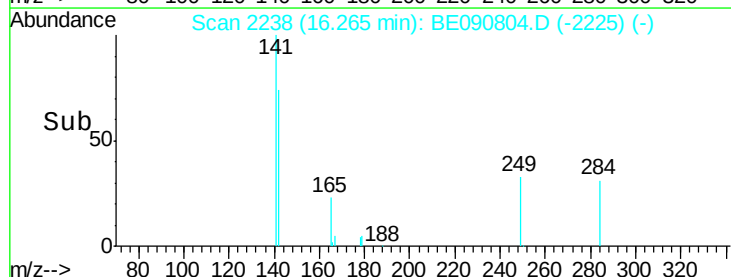
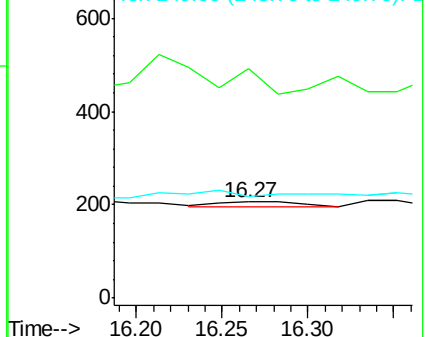
249 360.6 25.5 38.3#

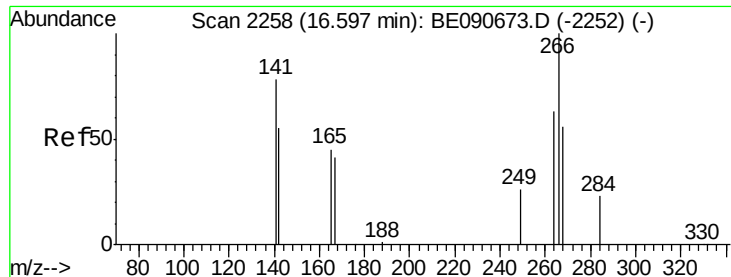


Abundance Ion 283.80 (283.50 to 284.50): E

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: BE090804.D

Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B

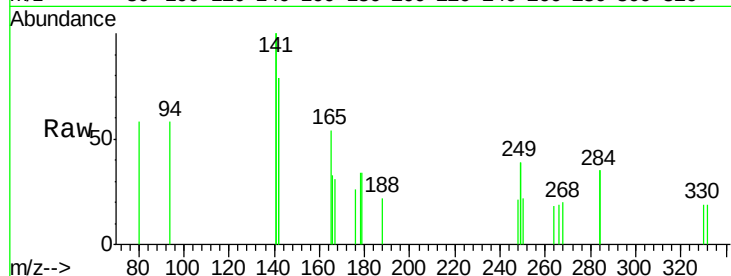
Tot Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

268 105.6 49.6 74.4#

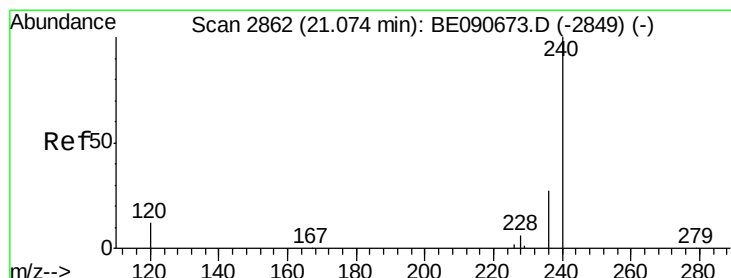
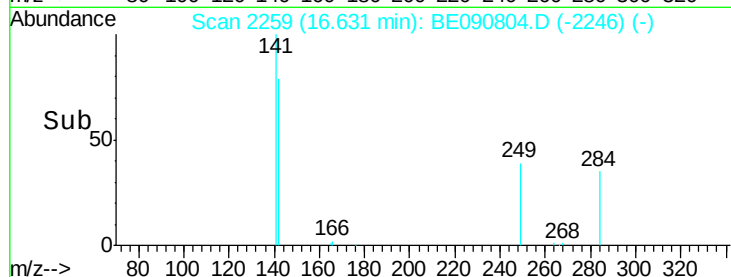
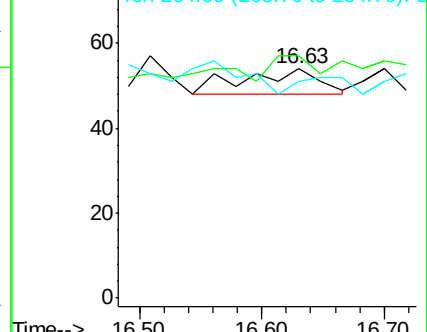
264 94.4 53.9 80.9#



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# 2860

Delta R.T. -0.01 min

Lab File: BE090804.D

Acq: 14 Sep 2015 18:29

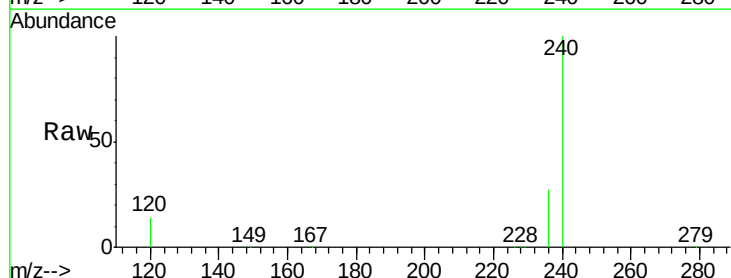
Tgt Ion:240 Resp: 230467

Ion Ratio Lower Upper

240 100

120 14.5 10.1 15.1

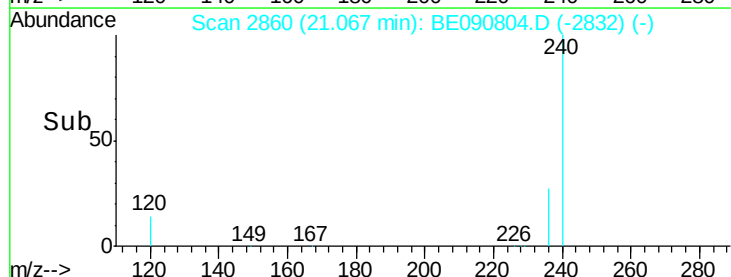
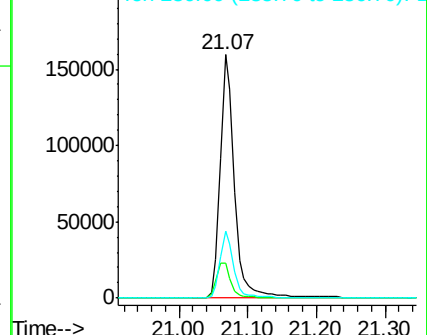
236 27.3 21.9 32.9

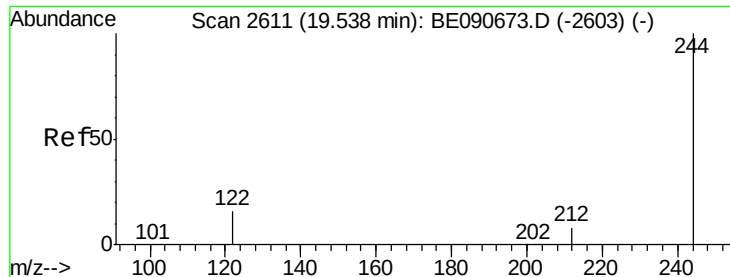


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

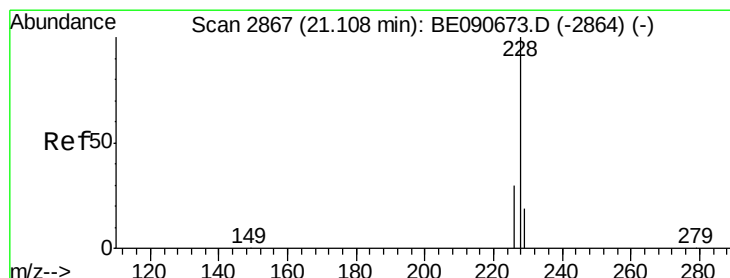
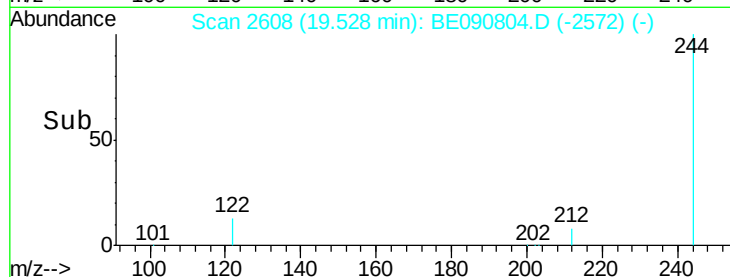
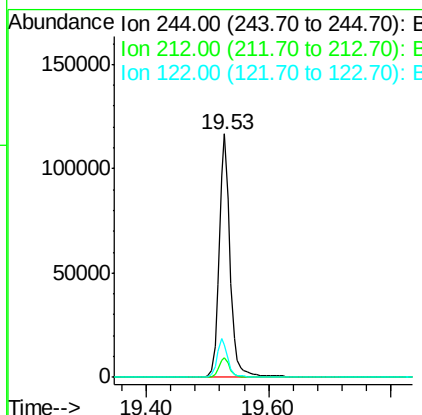
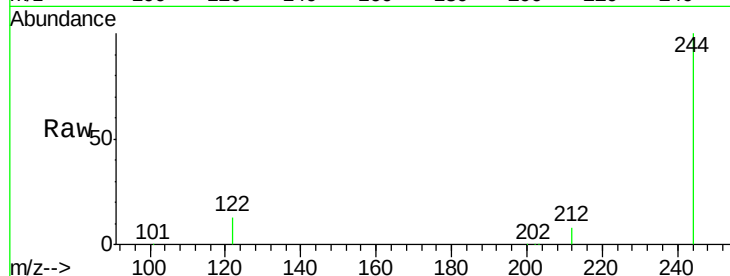




#27
 Terphenyl-d14
 Concen: 5.70 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

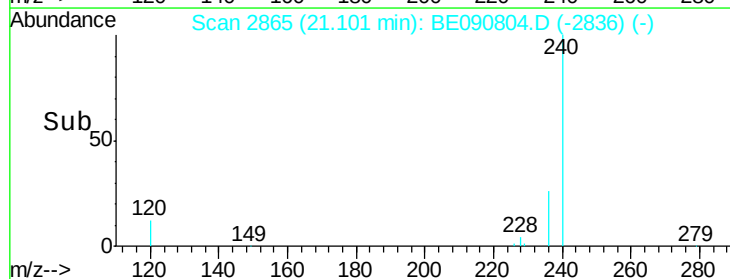
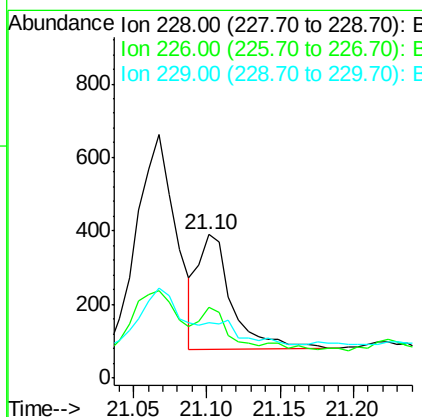
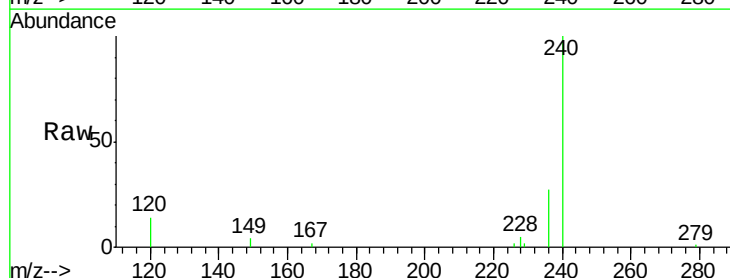
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-B

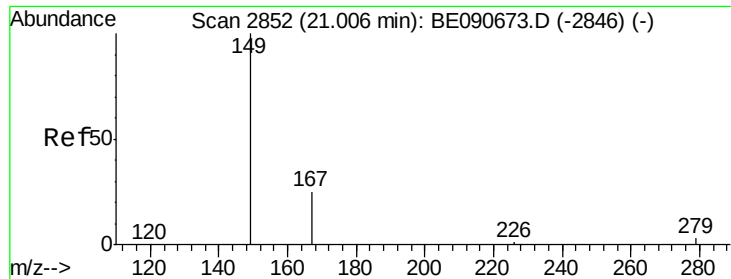
Tot Ion:244 Resp: 145371
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 13.4 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

Tgt Ion:228 Resp: 506
 Ion Ratio Lower Upper
 228 100
 226 49.7 24.2 36.4#
 229 38.5 15.3 22.9#

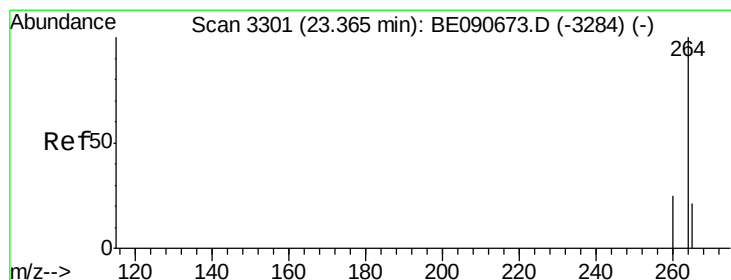
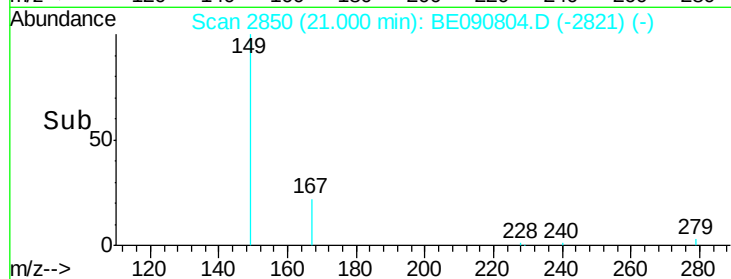
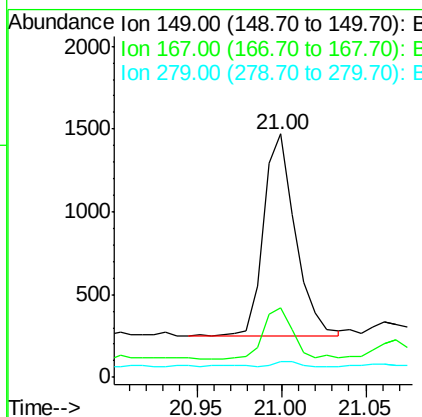
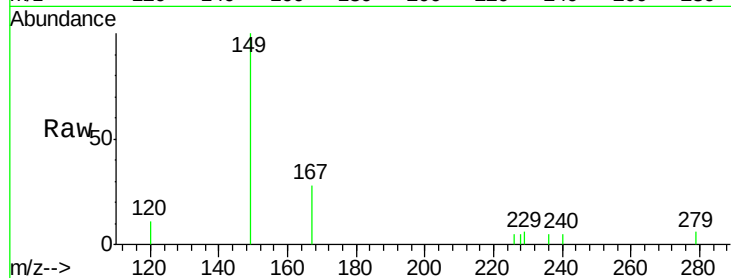




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.18 ng
 RT: 21.00 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

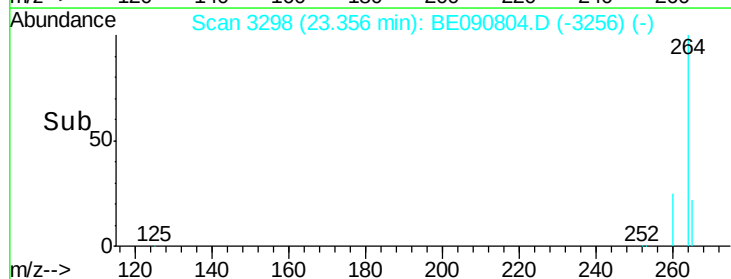
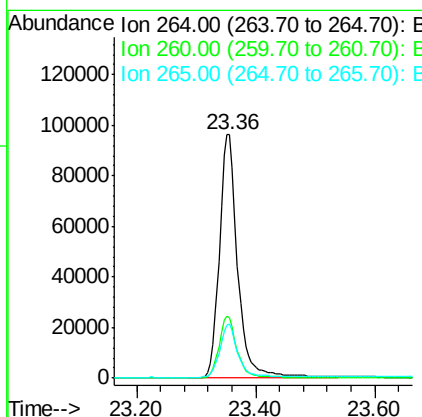
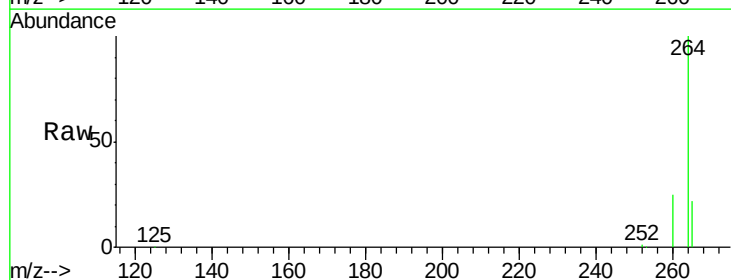
Instrument :
 BNA_E
 ClientSampleId :
 091115-D534-E-D-B

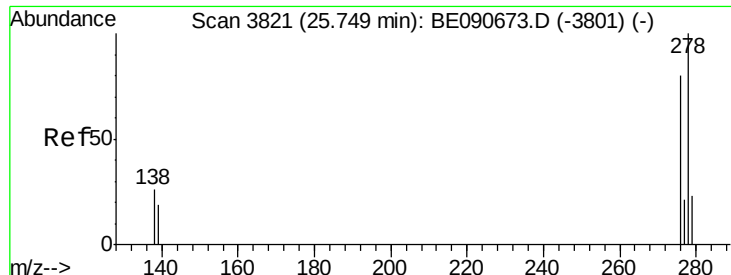
Tot Ion:149 Resp: 1586
 Ion Ratio Lower Upper
 149 100
 167 23.5 20.1 30.1
 279 2.0 2.3 3.5#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090804.D
 Acq: 14 Sep 2015 18:29

Tgt Ion:264 Resp: 206870
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 22.1 17.5 26.3





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090804.D

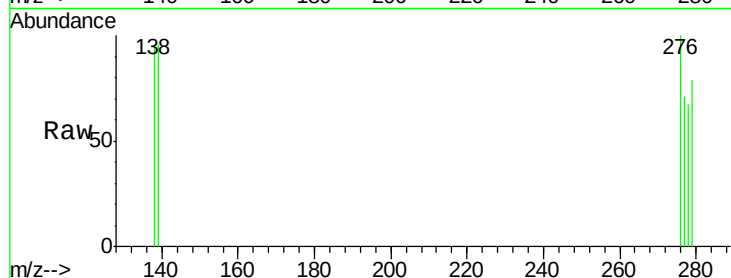
Acq: 14 Sep 2015 18:29

Instrument :

BNA_E

ClientSampleId :

091115-D534-E-D-B



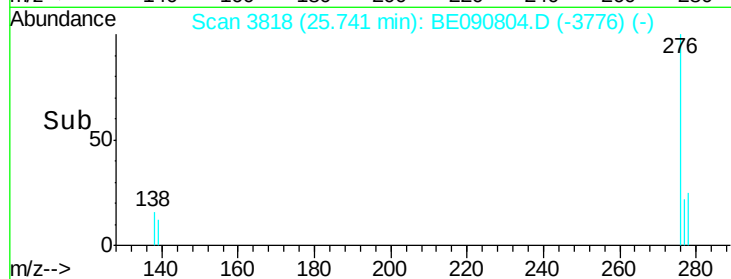
Tot Ion: 278 Resp: 47

Ion Ratio Lower Upper

278 100

139 143.8 15.4 23.0#

279 117.8 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

