

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090384.D
 Acq On : 6 Aug 2015 11:45
 Operator : TP/UM
 Sample : G3180-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-U-S

Quant Time: Aug 06 13:11:21 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	22010	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	97213	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	65909	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	127368	5.00	ng	0.00
25) Chrysene-d12	21.10	240	158974	5.00	ng	0.00
32) Perylene-d12	23.40	264	146970	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	8758	2.65	ng	0.00
5) Phenol-d6	6.77	99	7367	1.25	ng	0.00
7) Nitrobenzene-d5	8.73	82	23658	3.07	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	8288	5.02	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	61713	3.40	ng	0.00
27) Terphenyl-d14	19.55	244	126282	5.39	ng	-0.01

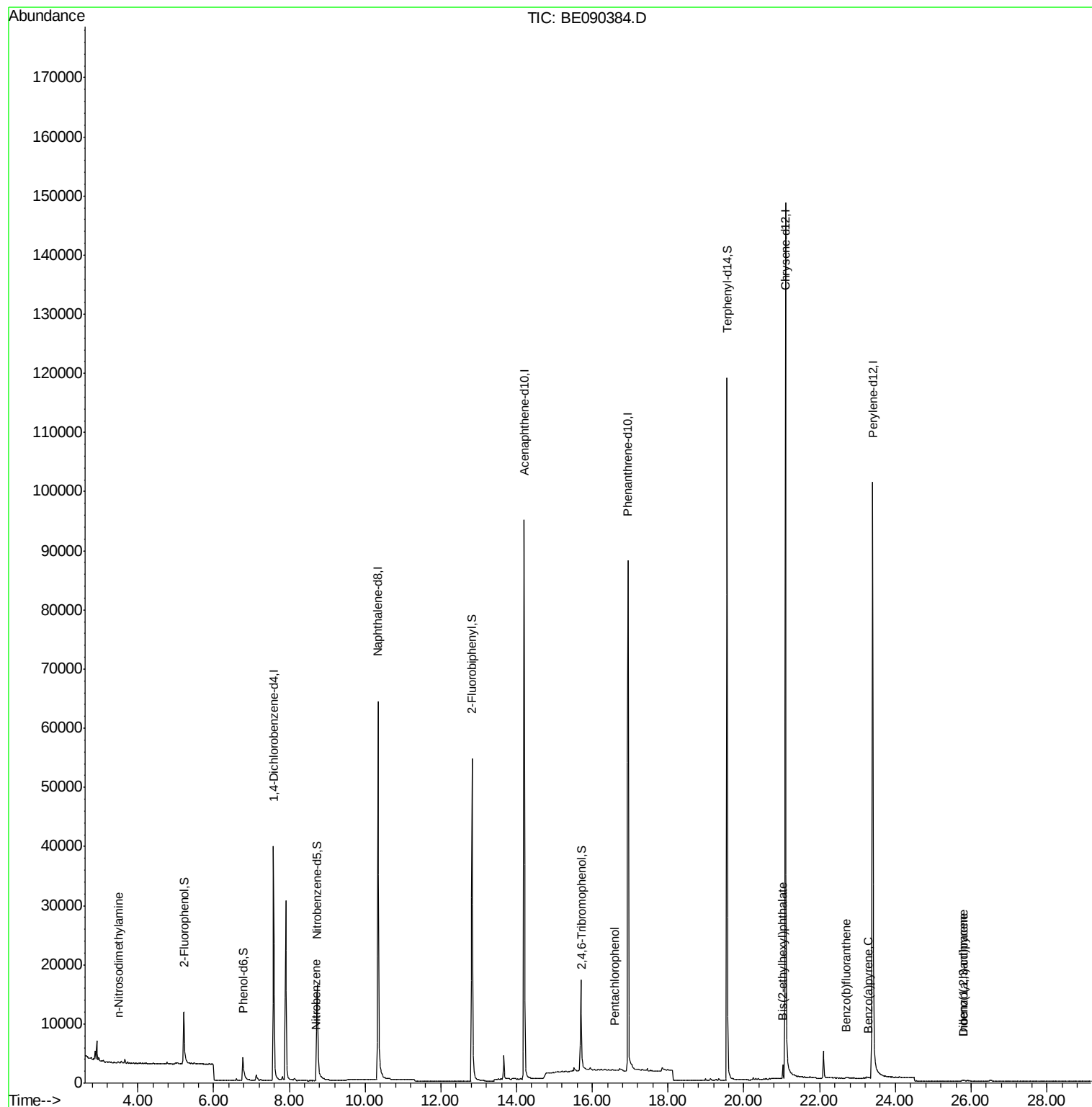
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	133	Below Cal	#	35
3) n-Nitrosodimethylamine	3.48	42	72	0.02 ng	#	21
8) Nitrobenzene	8.69	77	27	0.21 ng		92
10) Hexachlorobutadiene	10.68	225	2	Below Cal	#	51
21) Pentachlorophenol	16.60	266	22	0.12 ng	#	75
30) Bis(2-ethylhexyl)phthalate	21.03	149	2203	0.37 ng		100
31) Indeno(1,2,3-cd)pyrene	25.78	276	75	0.25 ng	#	64
33) Benzo(b)fluoranthene	22.70	252	220	0.20 ng	#	1
35) Benzo(a)pyrene	23.31	252	112	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	63	0.29 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: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

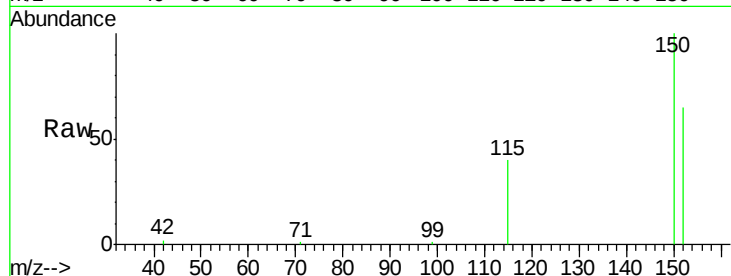
Tgt Ion:152 Resp: 22010

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

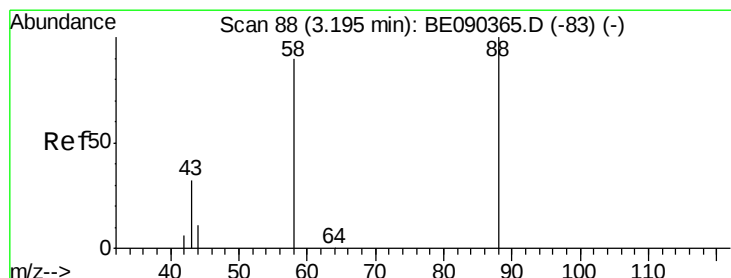
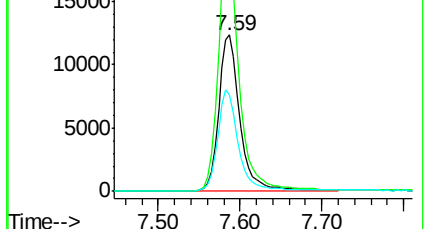
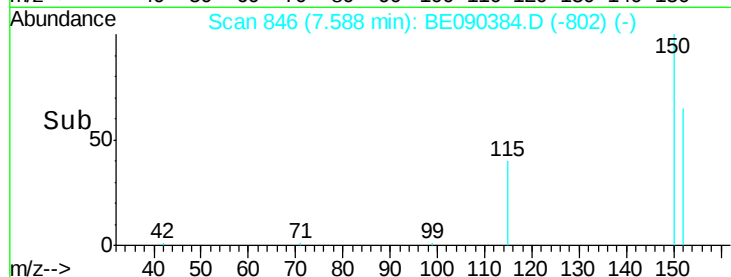
115 61.8 48.9 73.3



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: 3.20 min Scan# 89

Delta R.T. 0.01 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

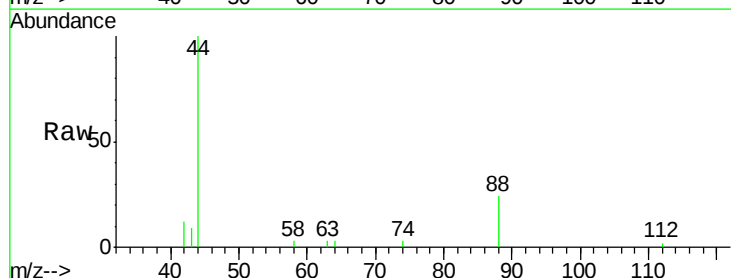
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

58 12.0 70.0 105.0#

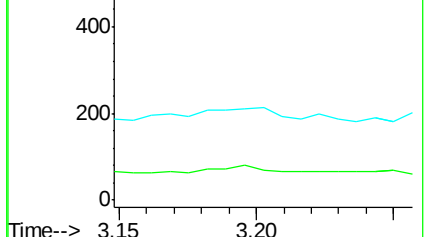
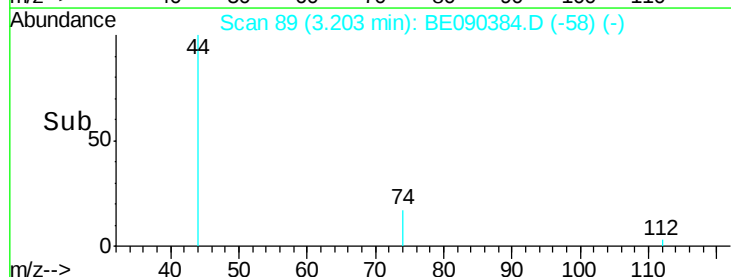
43 49.6 28.4 42.6#



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: 0.02 ng

RT: 3.48 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

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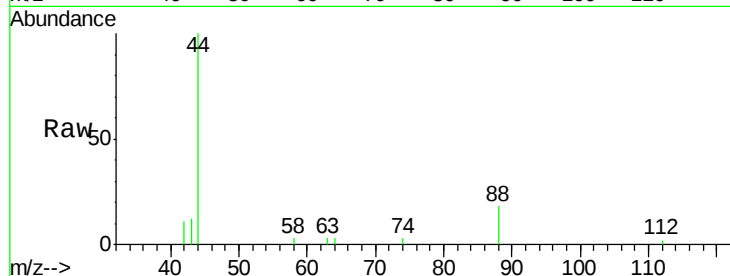
Tgt Ion: 42 Resp: 72

Ion Ratio Lower Upper

42 100

74 12.5 75.2 112.8#

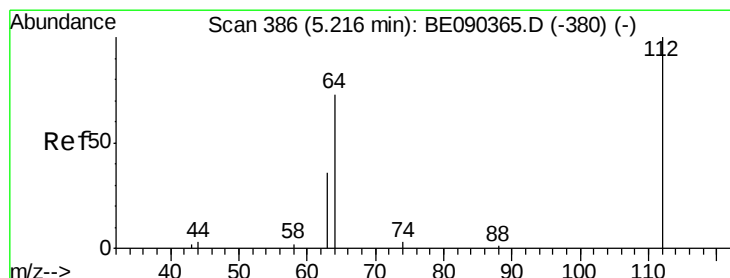
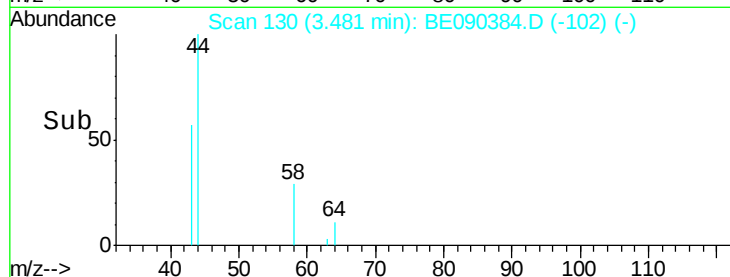
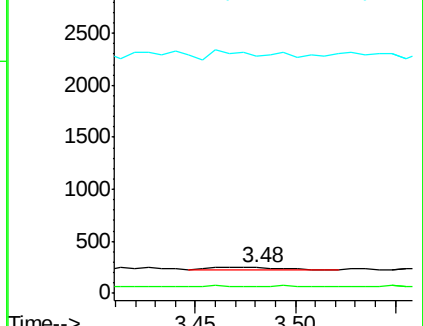
44 0.0 8.7 13.1#



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: 2.65 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

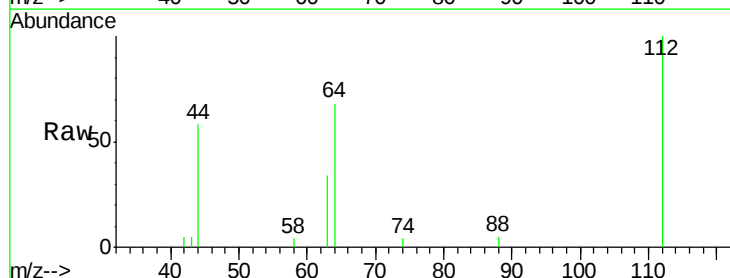
Tgt Ion: 112 Resp: 8758

Ion Ratio Lower Upper

112 100

64 70.7 37.1 55.7#

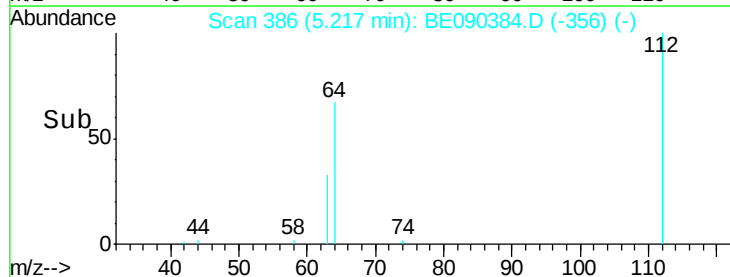
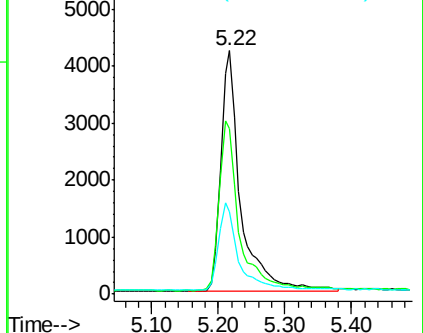
63 35.8 19.5 29.3#



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: 1.25 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

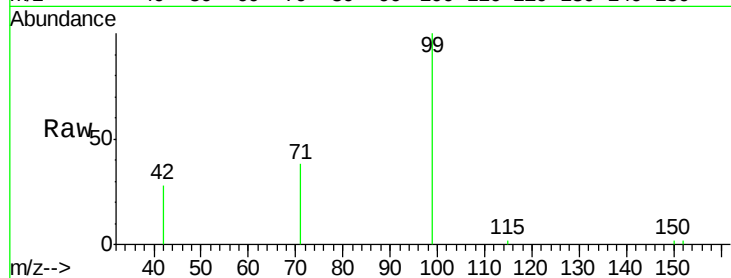
Tgt Ion: 99 Resp: 7367

Ion Ratio Lower Upper

99 100

42 22.5 18.2 27.4

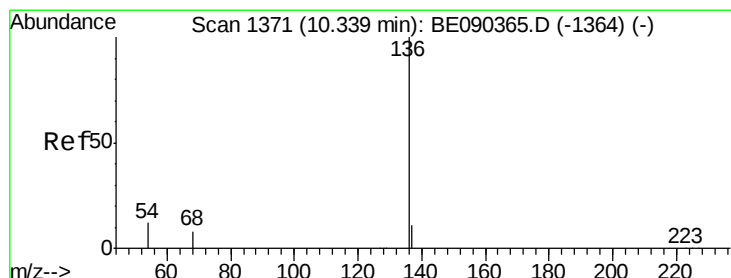
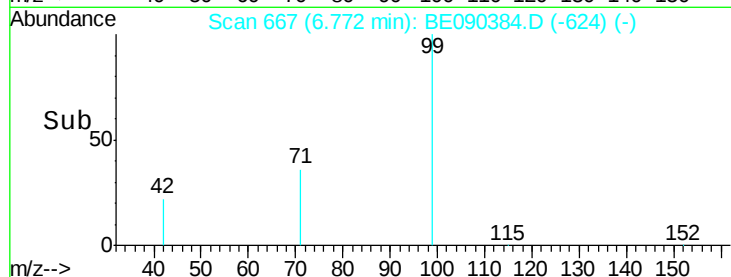
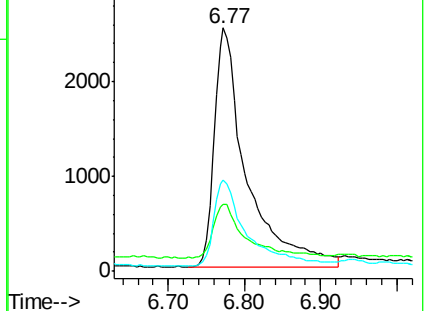
71 37.0 27.4 41.0



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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Tgt Ion: 136 Resp: 97213

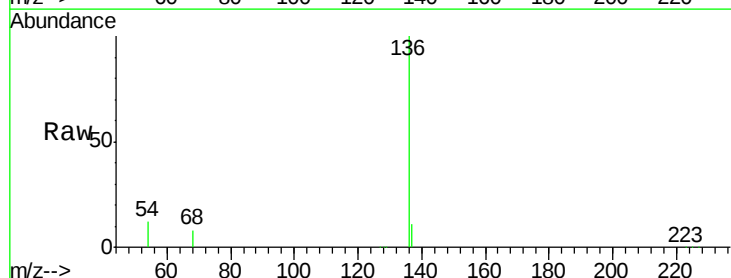
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 11.8 9.4 14.0

68 8.1 6.5 9.7

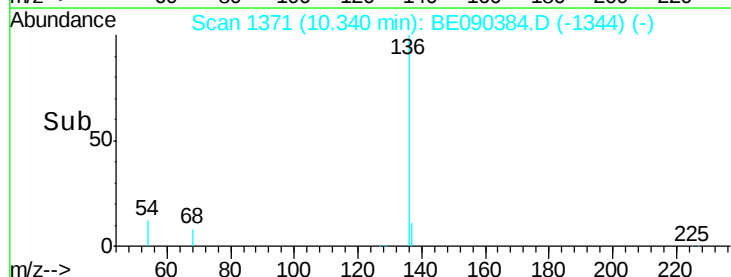
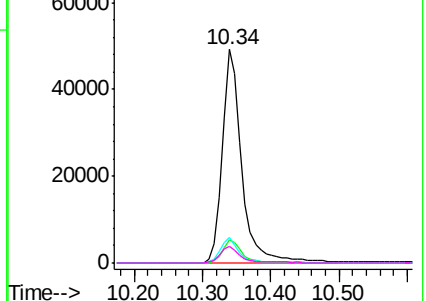


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.07 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

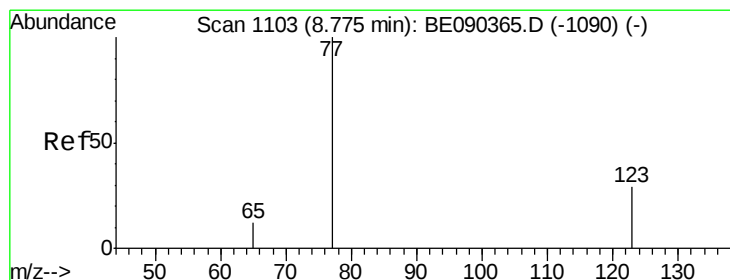
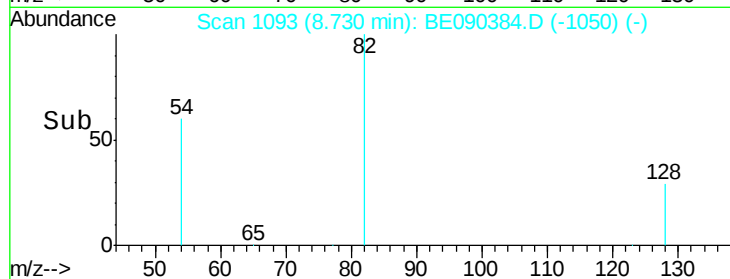
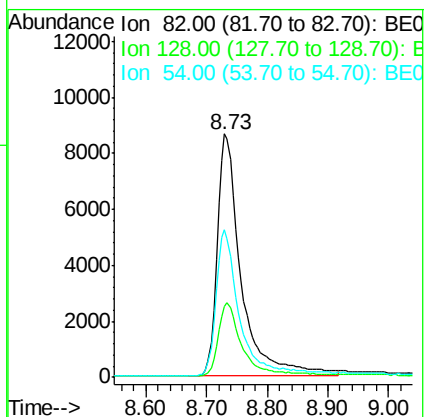
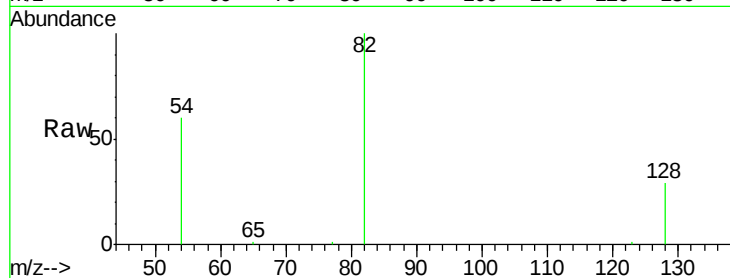
Tgt Ion: 82 Resp: 23658

Ion Ratio Lower Upper

82 100

128 29.3 25.0 37.6

54 60.4 48.8 73.2



#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.08 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

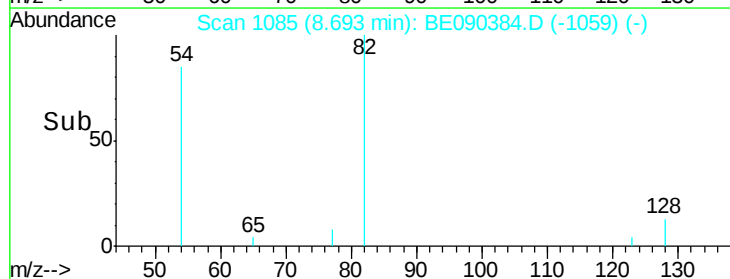
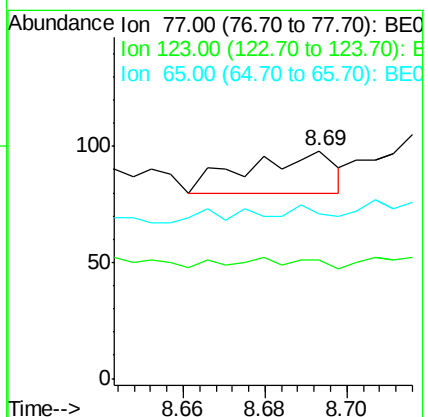
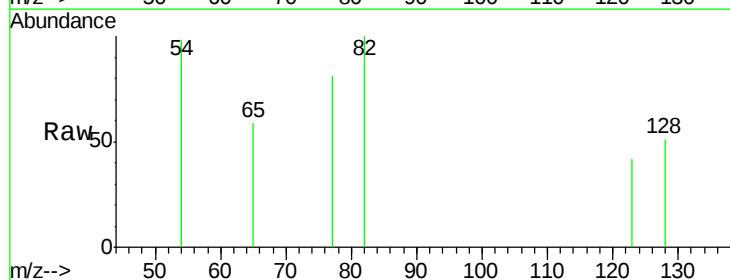
Tgt Ion: 77 Resp: 27

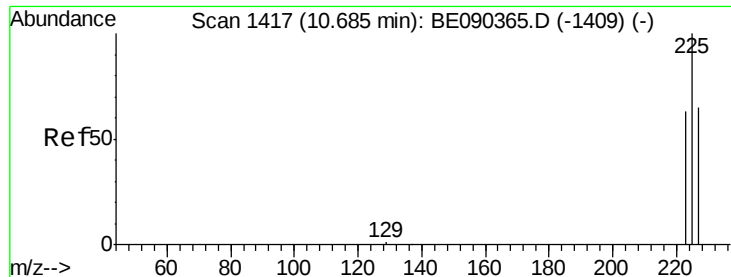
Ion Ratio Lower Upper

77 100

123 25.9 25.1 37.7

65 11.1 9.3 13.9

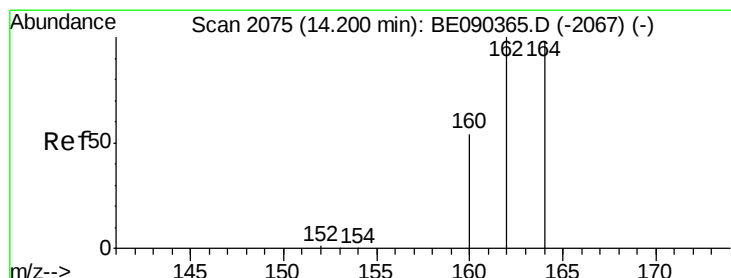
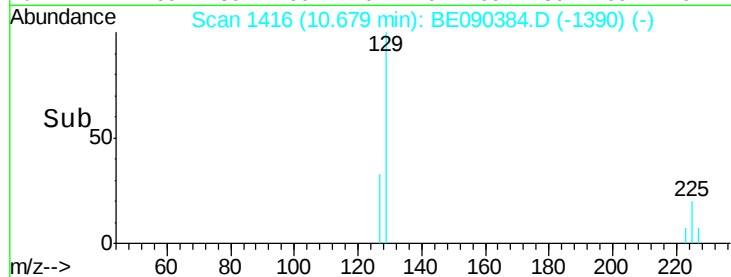
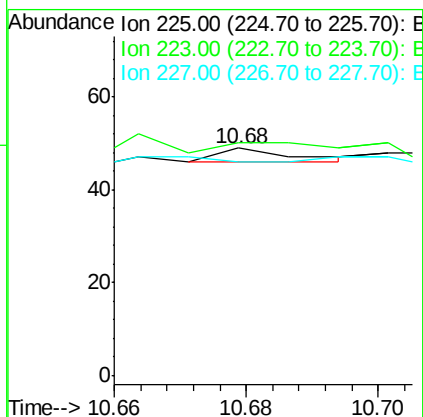
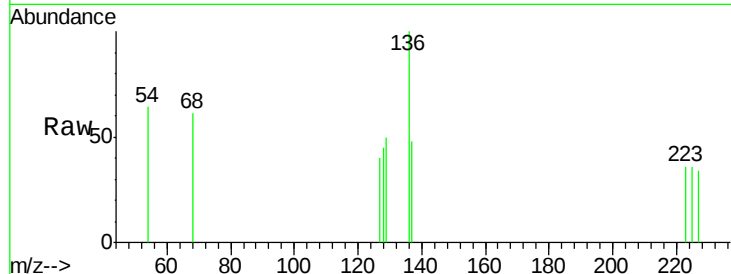




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.68 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE090384.D
Acq: 6 Aug 2015 11:45

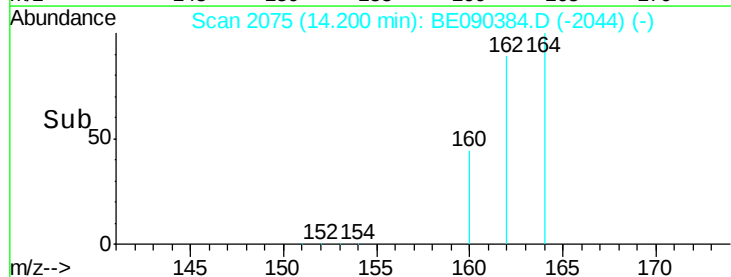
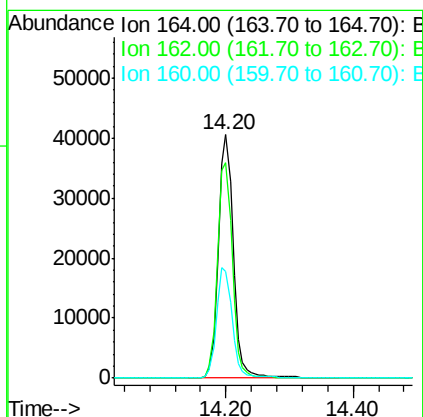
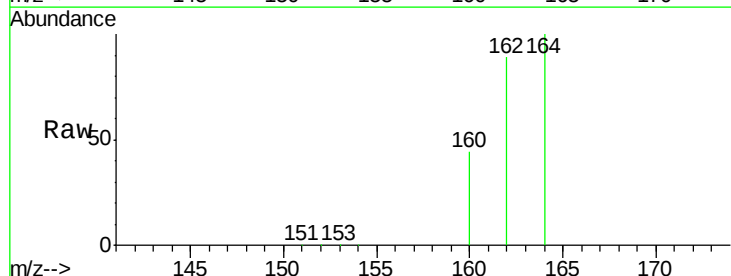
Instrument :
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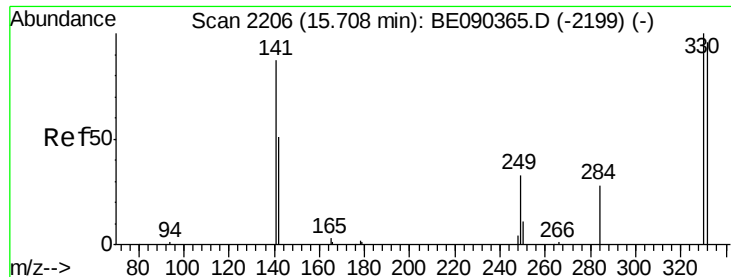
Tgt Ion: 225 Resp: 2
Ion Ratio Lower Upper
225 100
223 0.0 50.6 75.8#
227 50.0 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090384.D
Acq: 6 Aug 2015 11:45

Tgt Ion: 164 Resp: 65909
Ion Ratio Lower Upper
164 100
162 88.7 81.8 122.8
160 43.9 44.2 66.4#

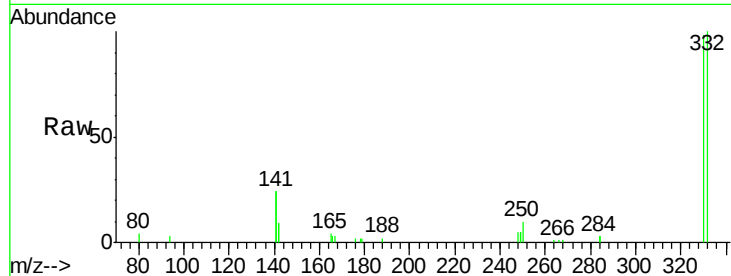




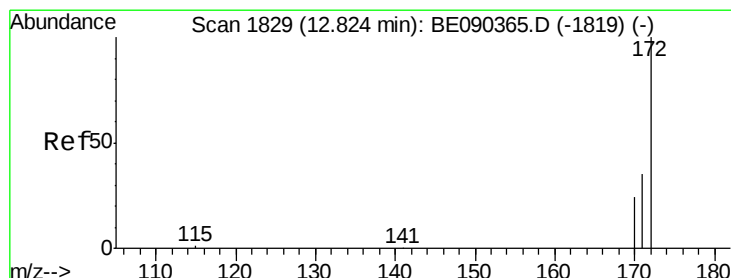
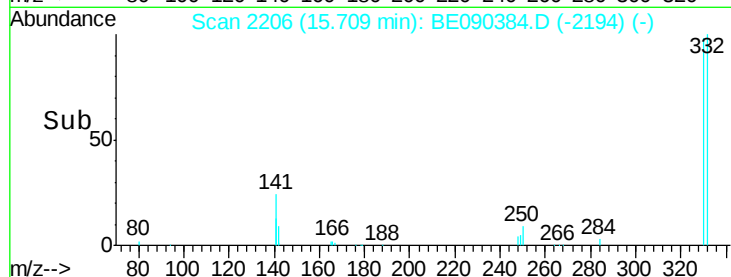
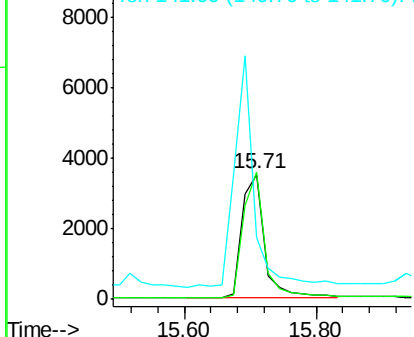
#13
 2,4,6-Tribromophenol
 Concen: 5.02 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090384.D
 Acq: 6 Aug 2015 11:45

Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-U-S

Tgt Ion: 330 Resp: 8288
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.8 113.6
 141 162.6 114.4 171.6

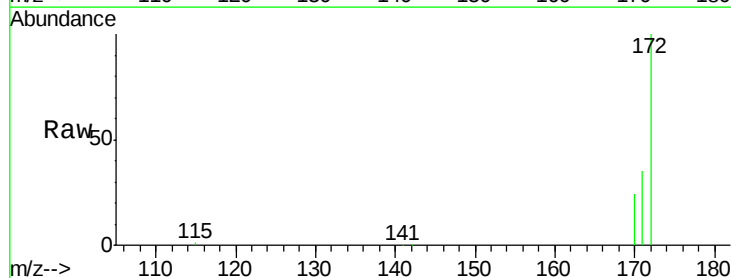


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

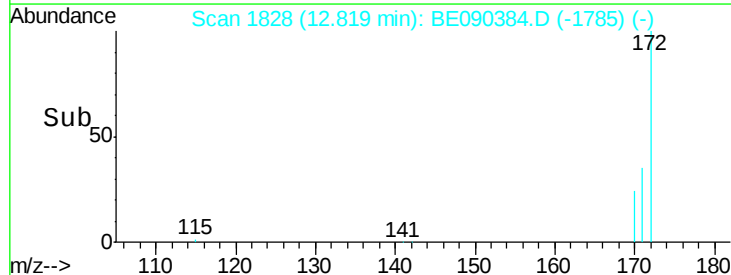
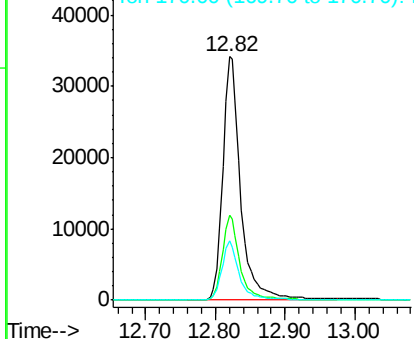


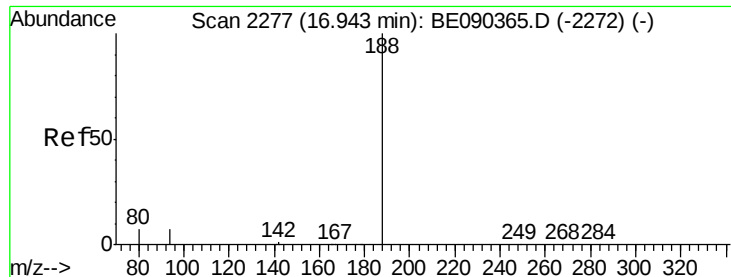
#14
 2-Fluorobiphenyl
 Concen: 3.40 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090384.D
 Acq: 6 Aug 2015 11:45

Tgt Ion: 172 Resp: 61713
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 24.2 19.8 29.8



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: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

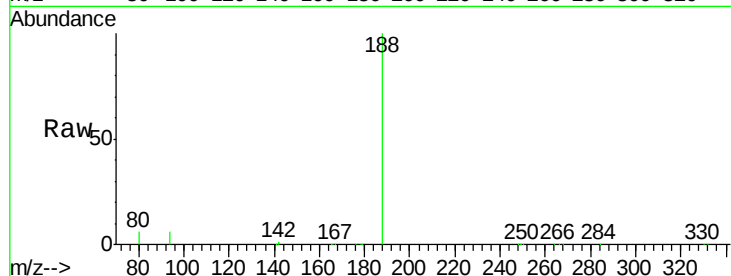
Tgt Ion:188 Resp: 127368

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

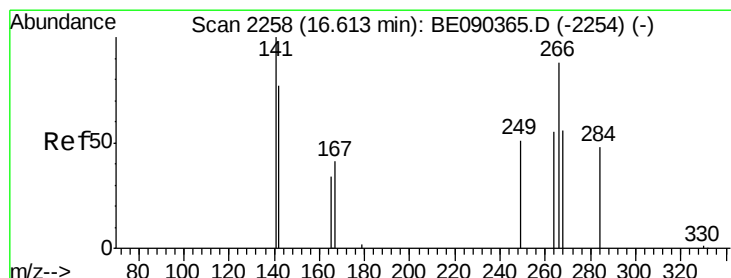
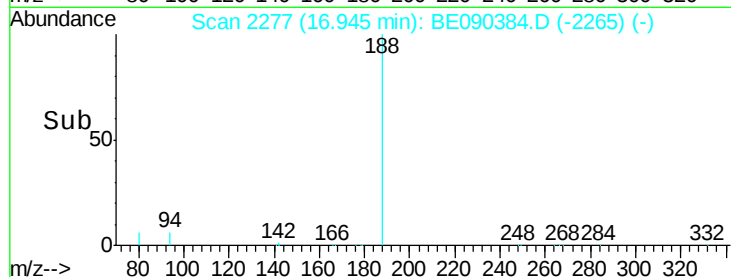
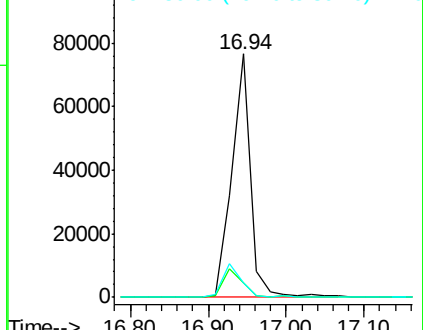
80 6.0 5.8 8.8



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



#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

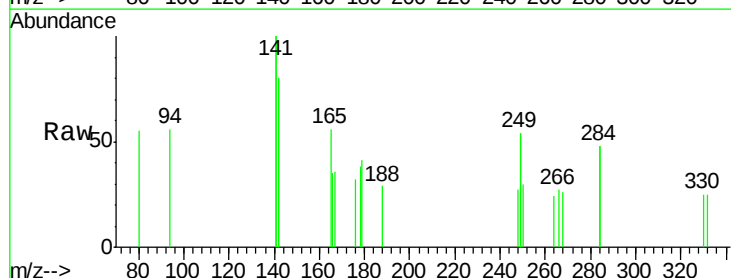
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 96.2 58.5 87.7#

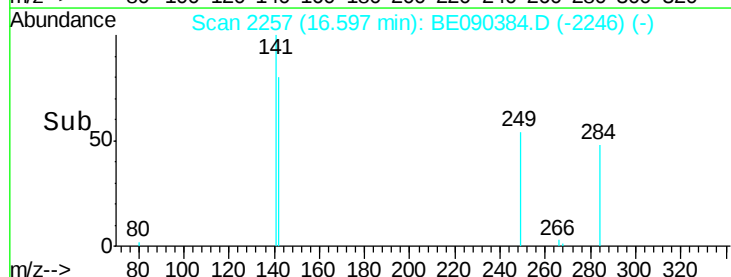
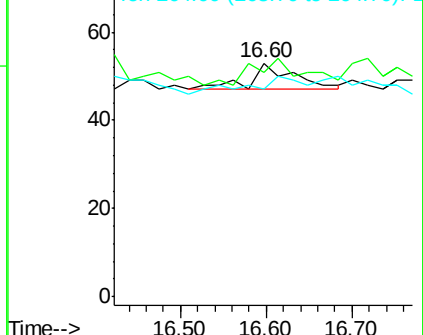
264 88.7 56.0 84.0#

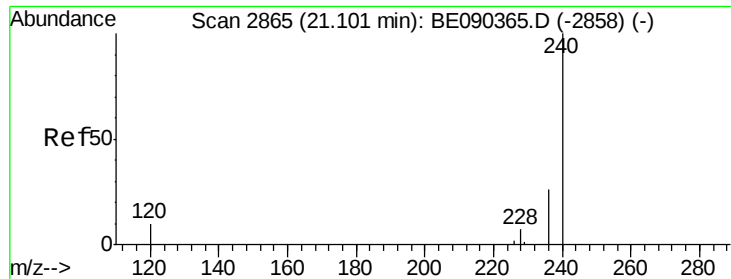


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

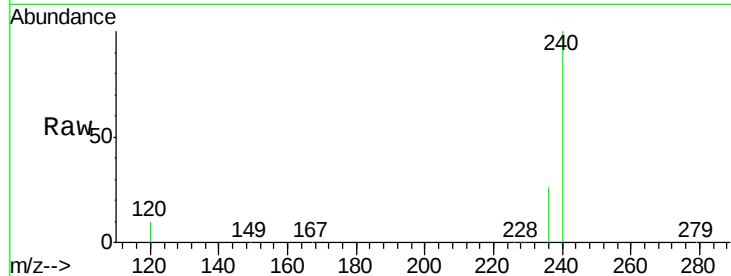
Tgt Ion:240 Resp: 158974

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

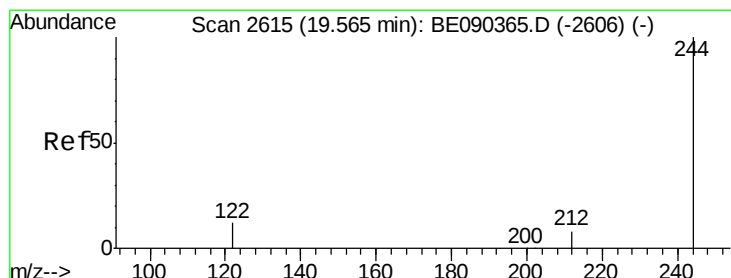
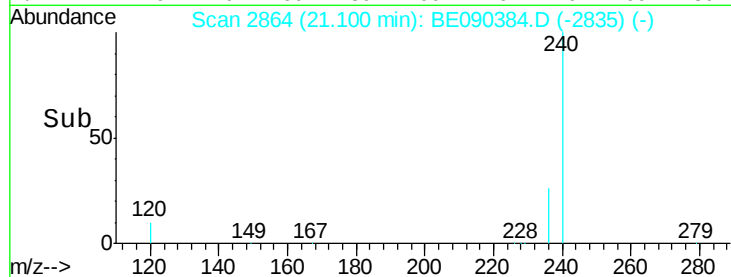
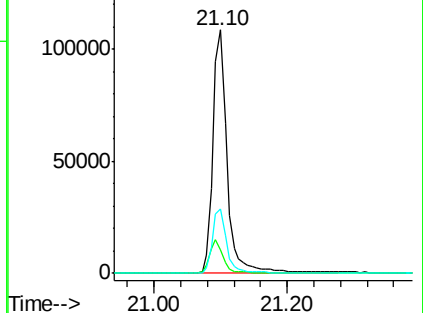
236 26.4 21.0 31.4



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: 5.39 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

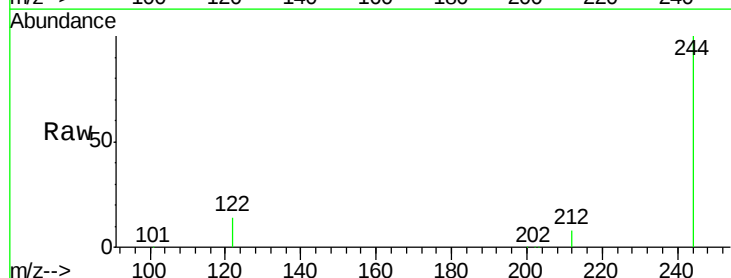
Tgt Ion:244 Resp: 126282

Ion Ratio Lower Upper

244 100

212 8.3 6.6 9.8

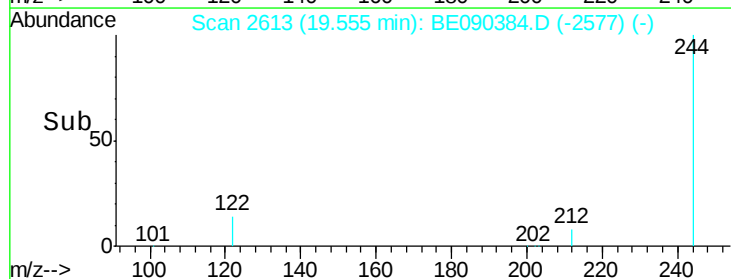
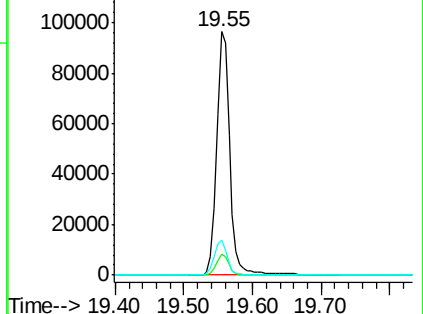
122 14.3 10.2 15.4

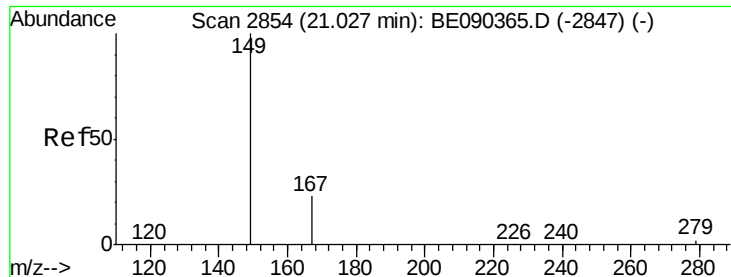


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.37 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

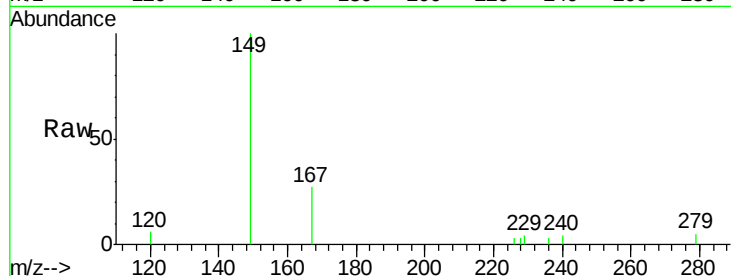
Tgt Ion:149 Resp: 2203

Ion Ratio Lower Upper

149 100

167 24.8 19.8 29.8

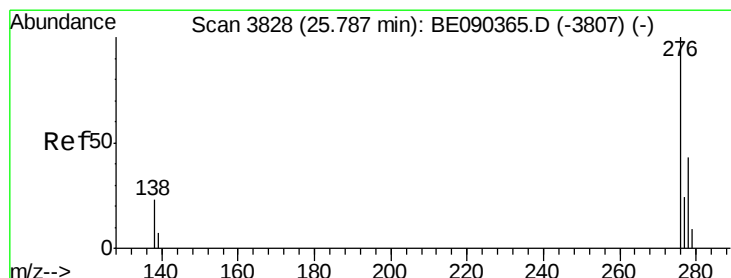
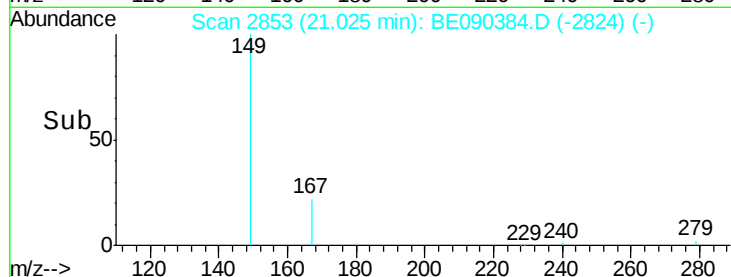
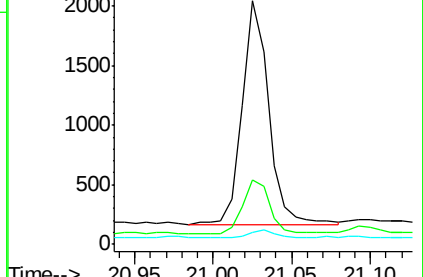
279 3.4 2.4 3.6



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



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

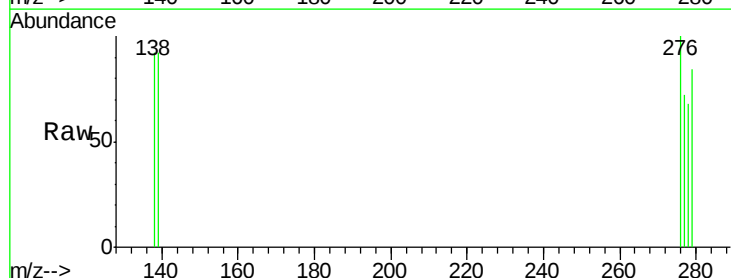
Tgt Ion:276 Resp: 75

Ion Ratio Lower Upper

276 100

138 13.3 18.8 28.2#

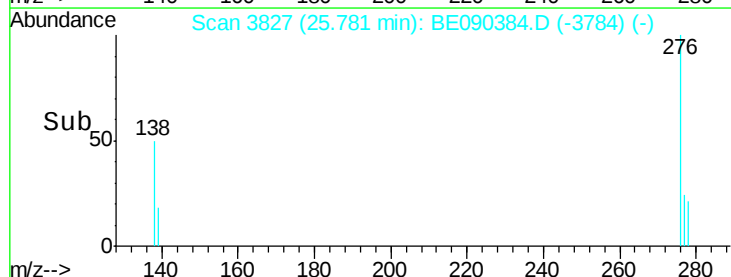
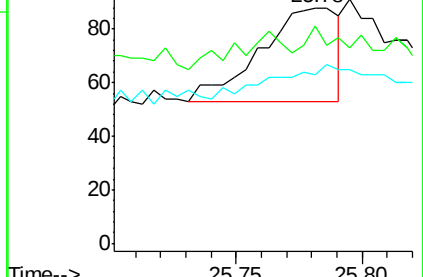
277 48.0 18.2 27.4#

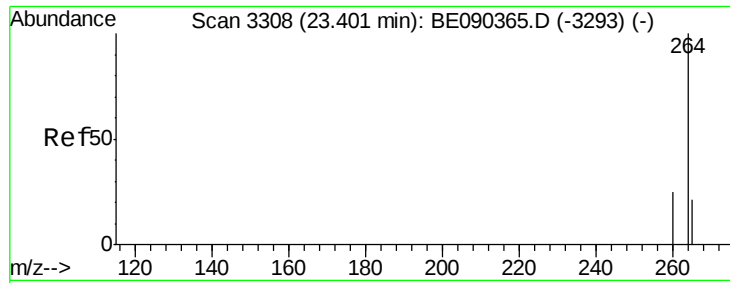


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

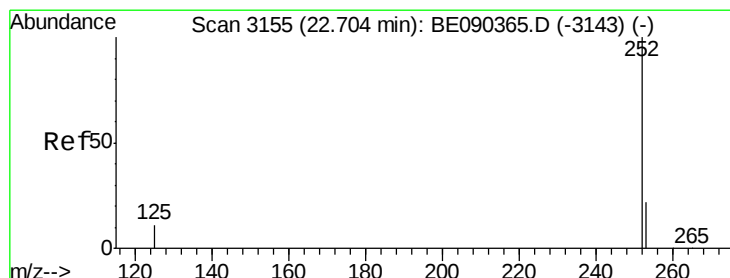
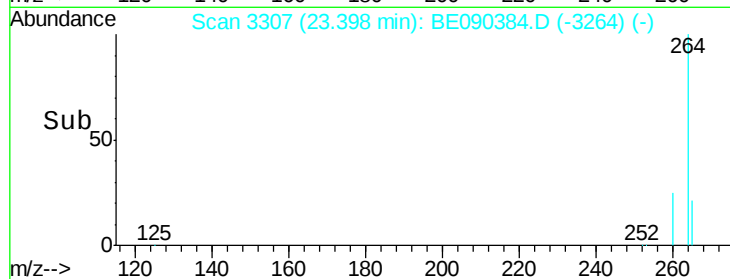
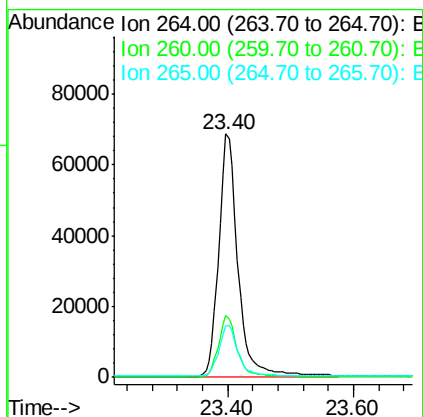
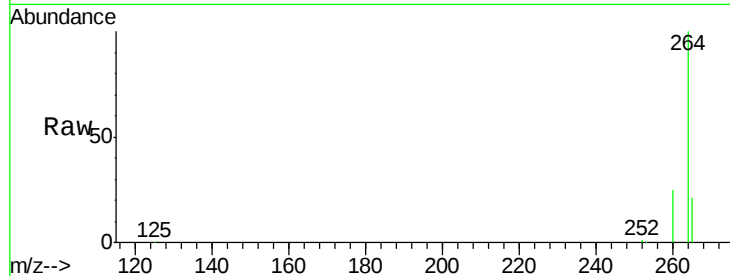




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090384.D
 Acq: 6 Aug 2015 11:45

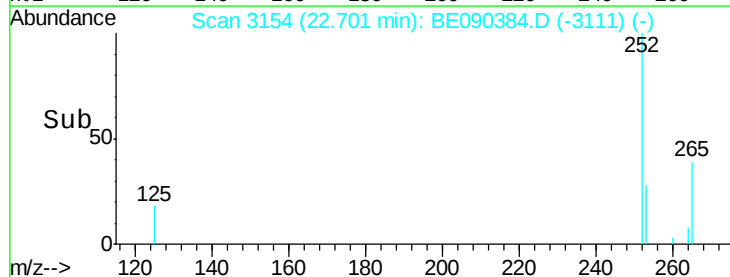
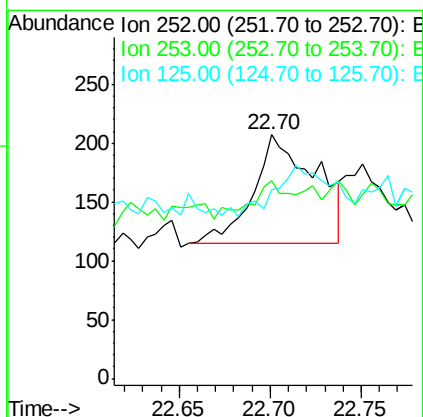
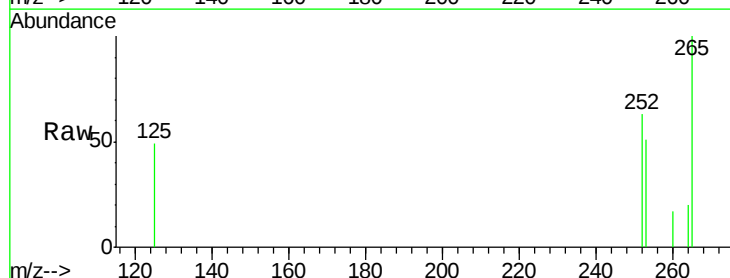
Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-U-S

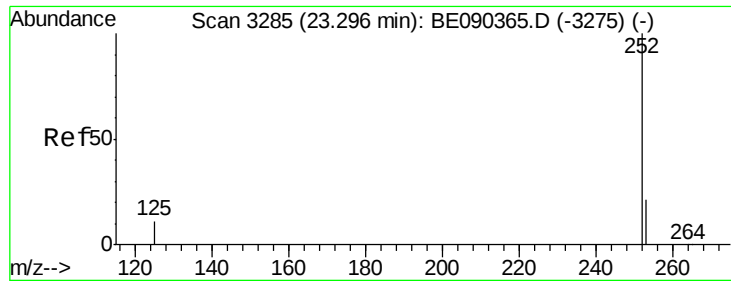
Tgt Ion: 264 Resp: 146970
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 21.4 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090384.D
 Acq: 6 Aug 2015 11:45

Tgt Ion: 252 Resp: 220
 Ion Ratio Lower Upper
 252 100
 253 81.2 18.1 27.1#
 125 77.8 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.31 min Scan# 3287

Delta R.T. 0.01 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-S

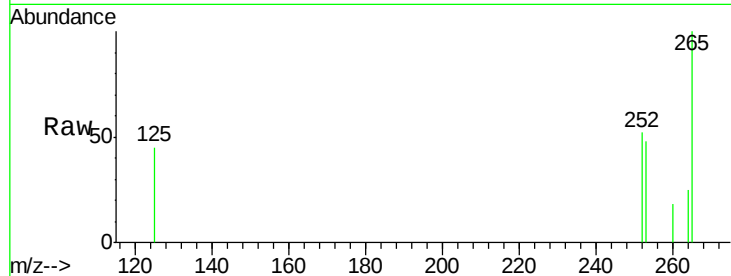
Tgt Ion: 252 Resp: 112

Ion Ratio Lower Upper

252 100

253 93.3 17.6 26.4#

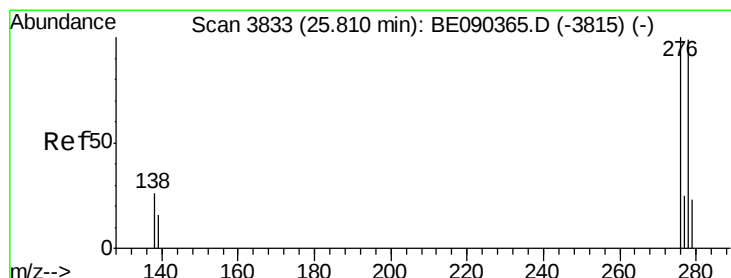
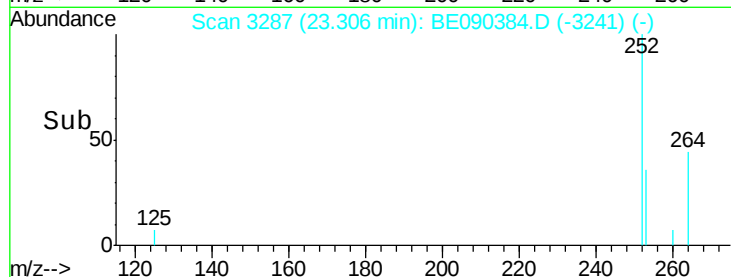
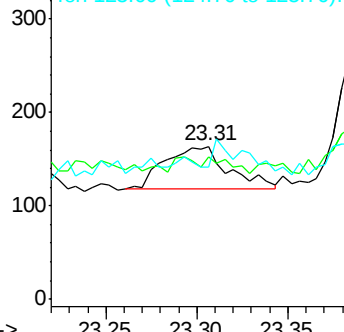
125 86.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.00 min

Lab File: BE090384.D

Acq: 6 Aug 2015 11:45

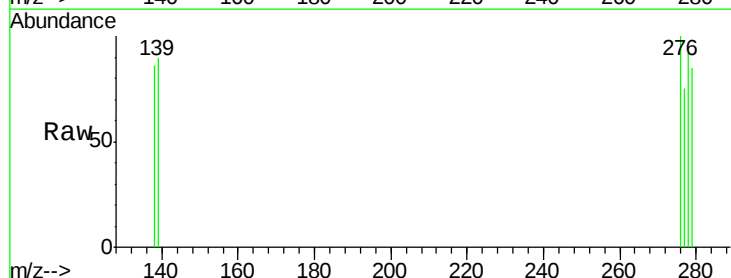
Tgt Ion: 278 Resp: 63

Ion Ratio Lower Upper

278 100

139 98.7 14.2 21.4#

279 92.2 20.1 30.1#



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

