

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
 Data File : BE090380.D
 Acq On : 6 Aug 2015 7:55
 Operator : TP/UM
 Sample : G3180-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-U-S

Quant Time: Aug 06 08:31:13 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 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20538	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89889	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	50647	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	120817	5.00	ng	0.00
25) Chrysene-d12	21.10	240	146523	5.00	ng	0.00
32) Perylene-d12	23.40	264	132578	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	10020	2.77	ng	0.00
5) Phenol-d6	6.77	99	8646	1.50	ng	0.00
7) Nitrobenzene-d5	8.73	82	25077	3.49	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	9906	6.86	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	65229	4.68	ng	0.00
27) Terphenyl-d14	19.56	244	124284	5.76	ng	0.00

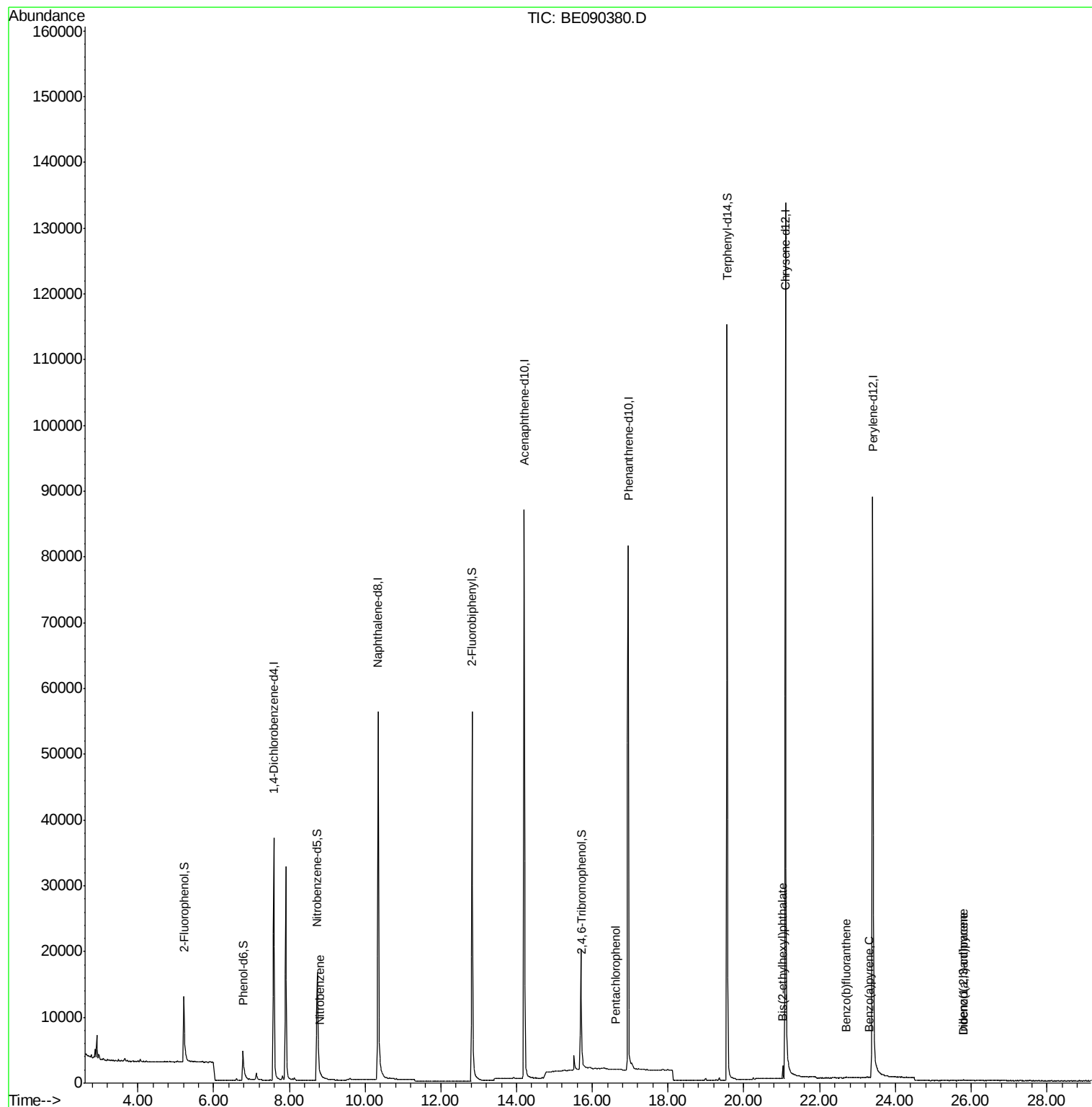
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	74	Below Cal	#	37
8) Nitrobenzene	8.80	77	10	0.21 ng	#	18
10) Hexachlorobutadiene	10.68	225	7	Below Cal	#	53
21) Pentachlorophenol	16.61	266	33	0.11 ng	#	72
30) Bis(2-ethylhexyl)phthalate	21.03	149	1797	0.34 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.79	276	205	0.26 ng	#	98
33) Benzo(b)fluoranthene	22.70	252	249	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	194	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	128	0.29 ng	#	1

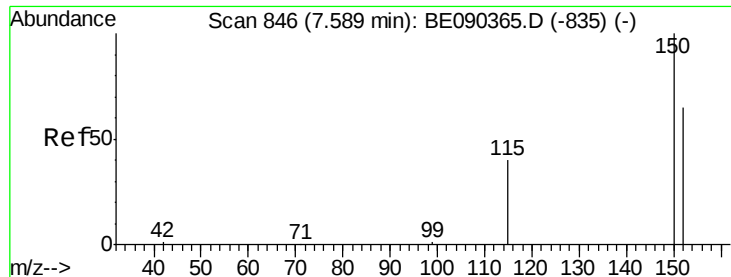
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

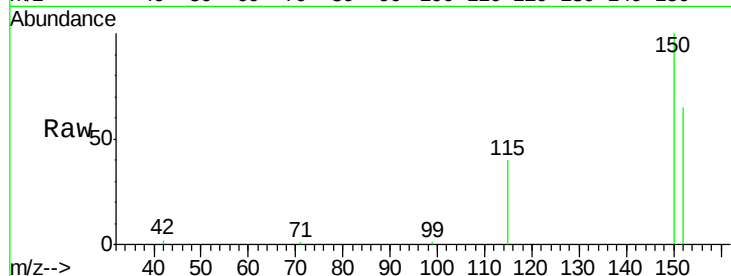
Tot Ion:152 Resp: 20538

Ion Ratio Lower Upper

152 100

150 153.7 123.0 184.4

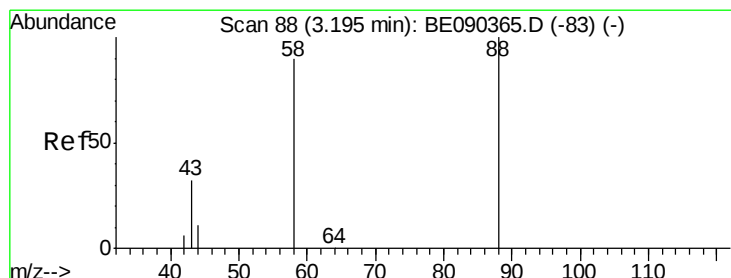
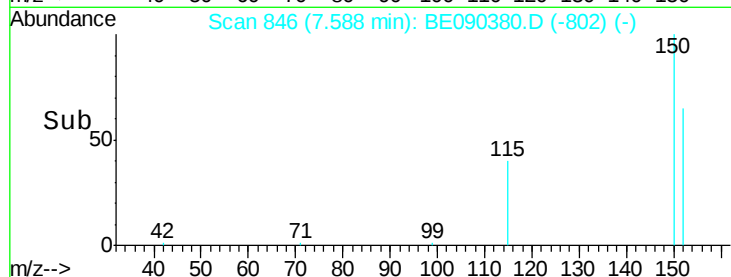
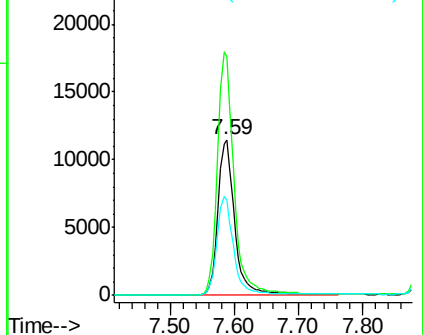
115 61.1 48.9 73.3



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: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

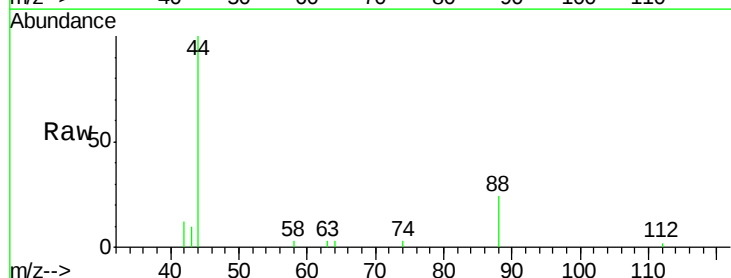
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

58 35.1 70.0 105.0#

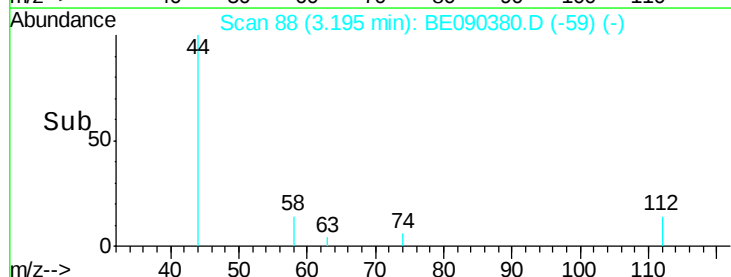
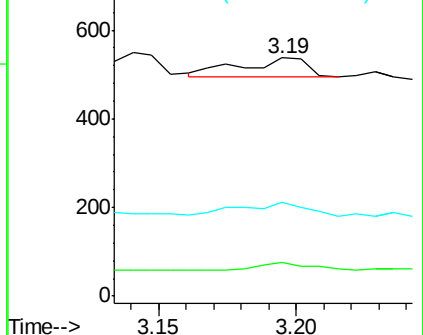
43 81.1 28.4 42.6#

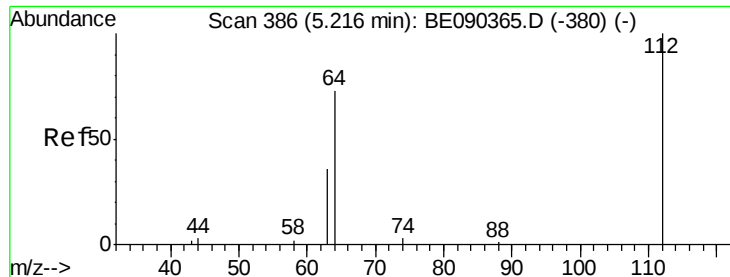


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.77 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

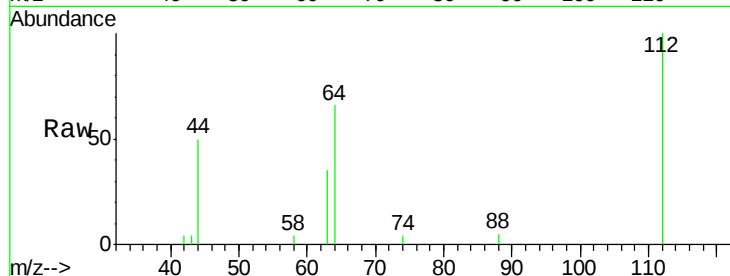
Tot Ion:112 Resp: 10020

Ion Ratio Lower Upper

112 100

64 71.0 37.1 55.7#

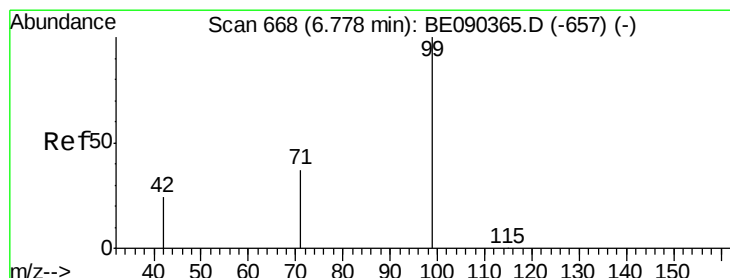
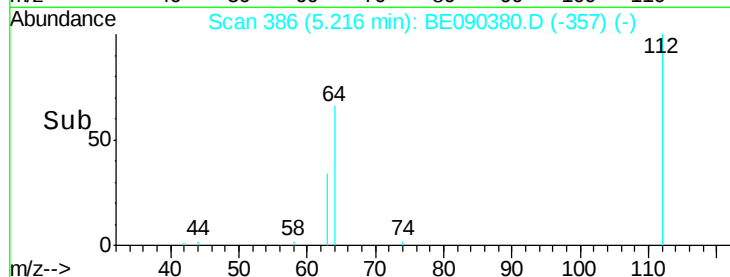
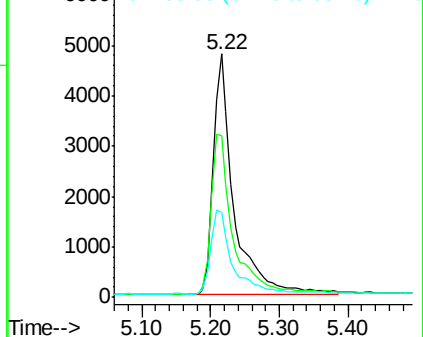
63 37.8 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.50 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

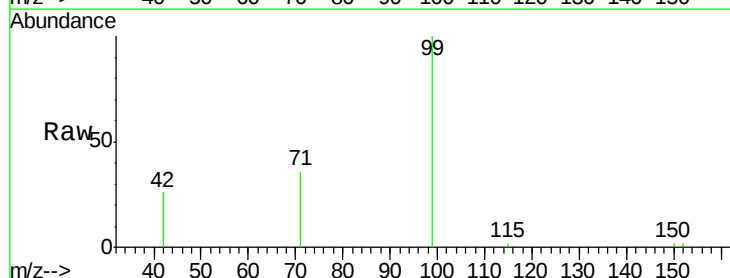
Tgt Ion: 99 Resp: 8646

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.4

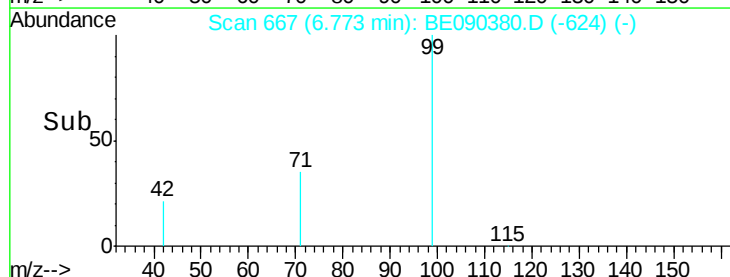
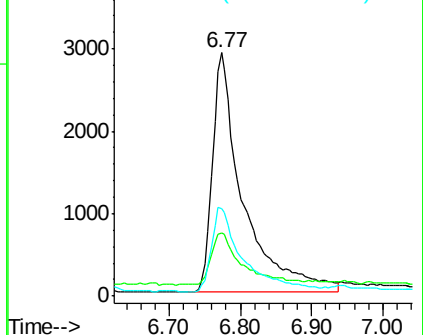
71 36.3 27.4 41.0

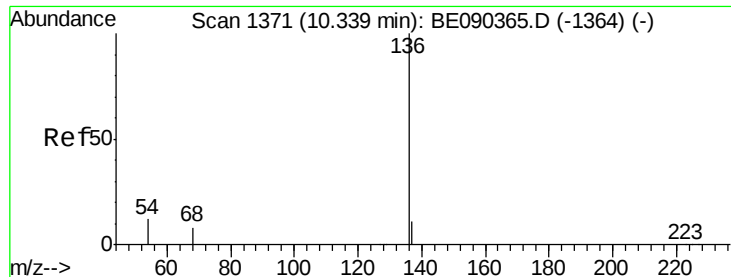


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

Tot Ion:136 Resp: 89889

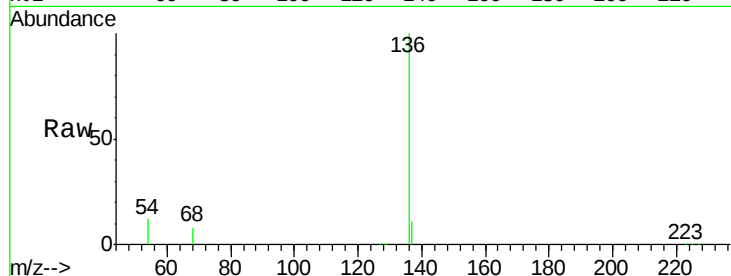
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.6 9.4 14.0

68 8.2 6.5 9.7

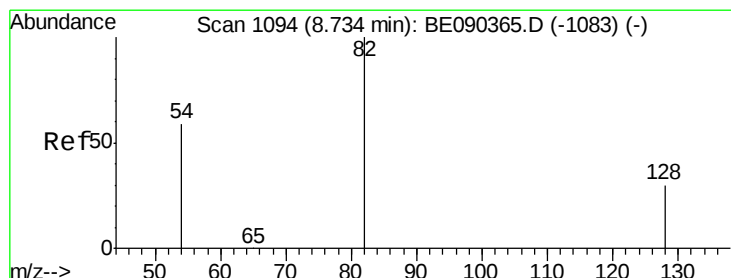
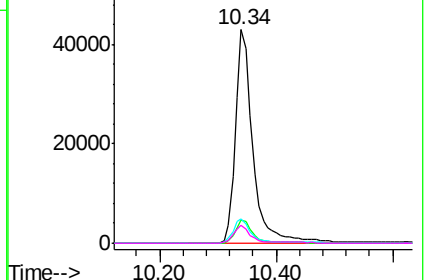
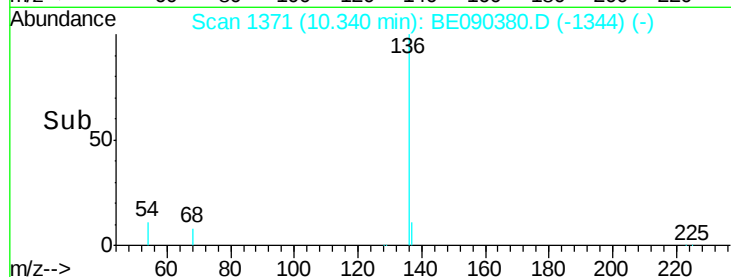


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.49 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

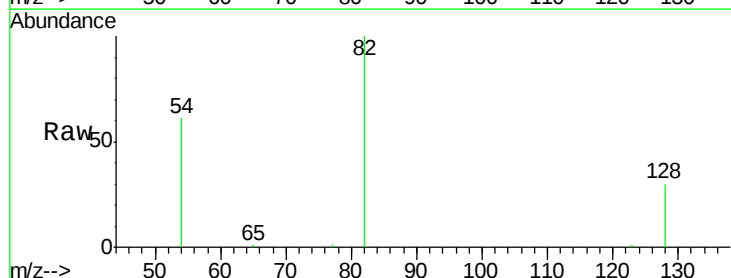
Tgt Ion: 82 Resp: 25077

Ion Ratio Lower Upper

82 100

128 30.3 25.0 37.6

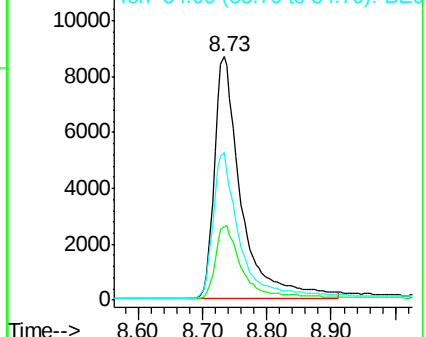
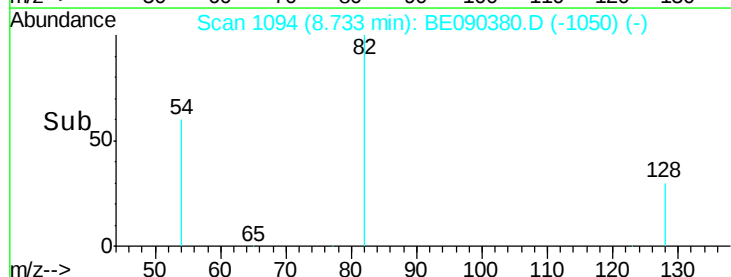
54 60.7 48.8 73.2

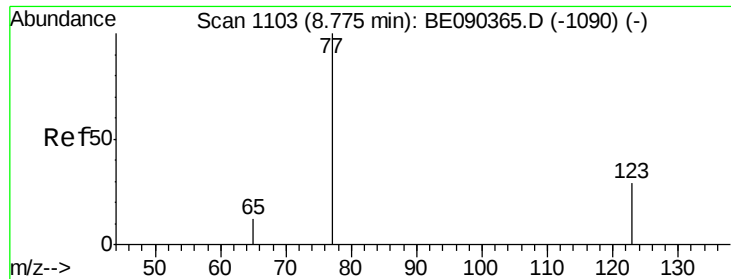


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.03 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

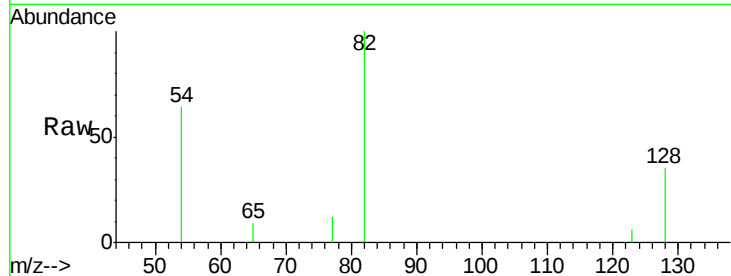
Tot Ion: 77 Resp: 10

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

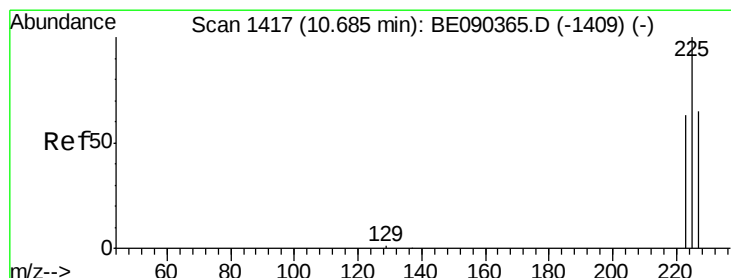
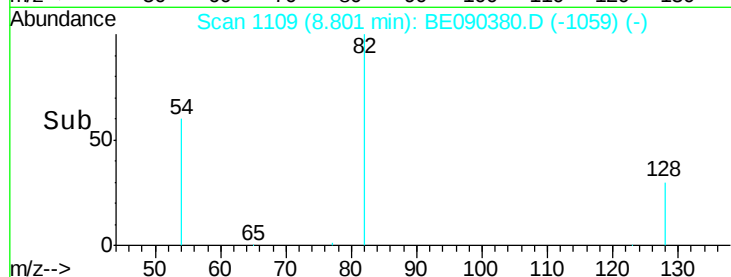
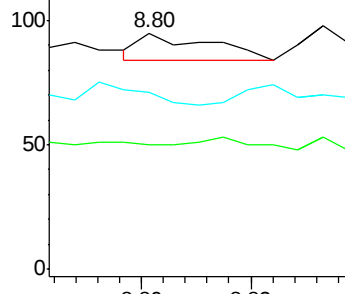
65 70.0 9.3 13.9#



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



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

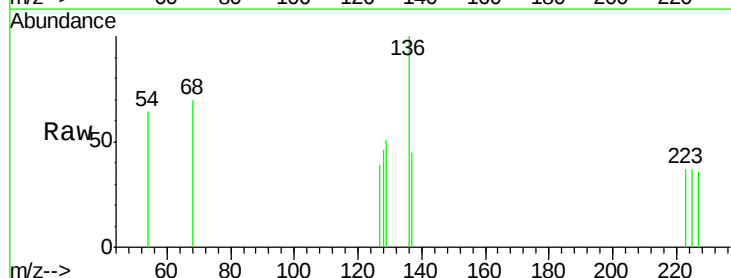
Tgt Ion: 225 Resp: 7

Ion Ratio Lower Upper

225 100

223 128.6 50.6 75.8#

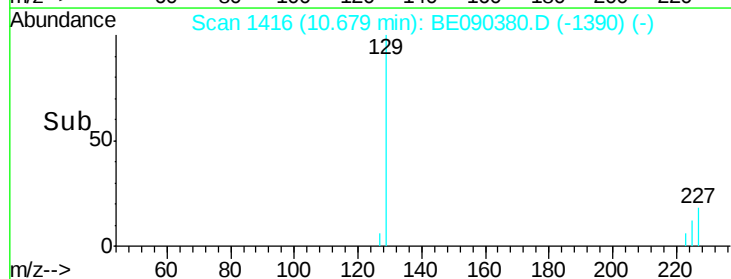
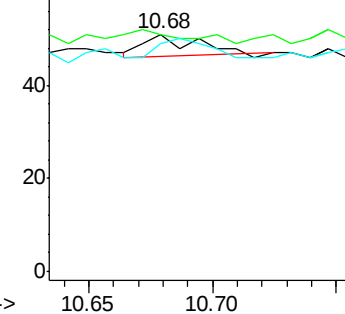
227 71.4 50.7 76.1

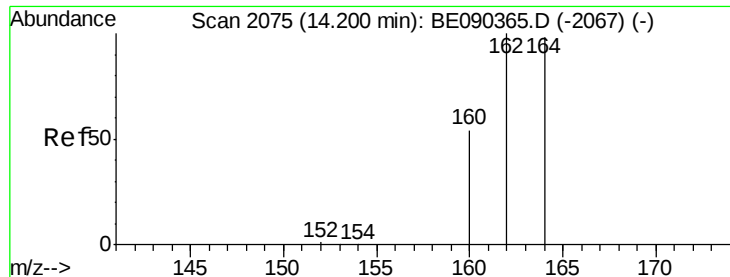


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

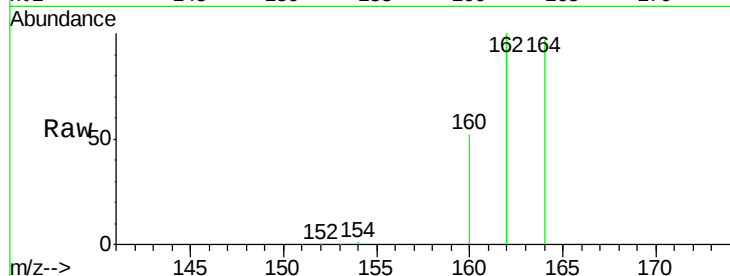
Tot Ion:164 Resp: 50647

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

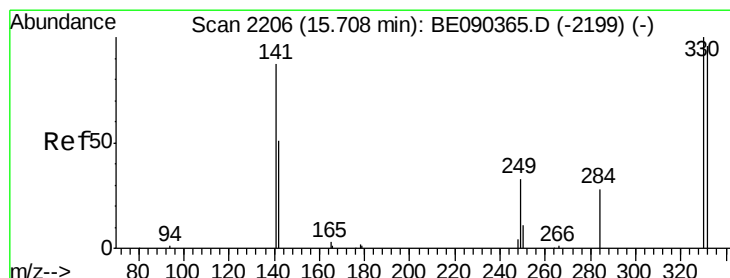
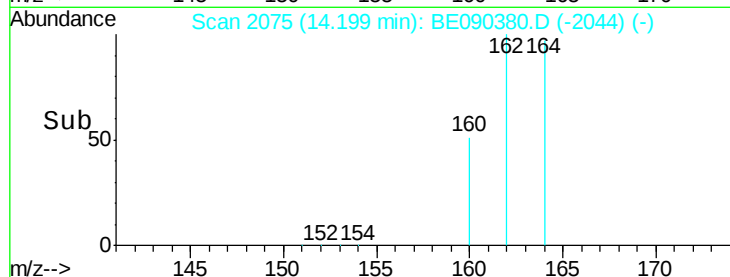
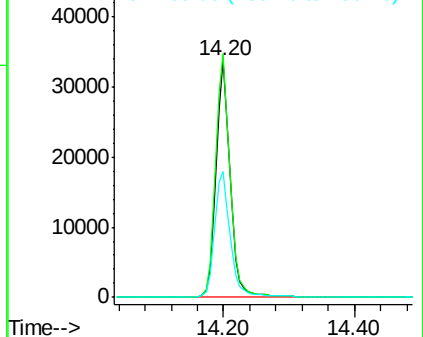
160 53.0 44.2 66.4



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: 6.86 ng

RT: 15.71 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

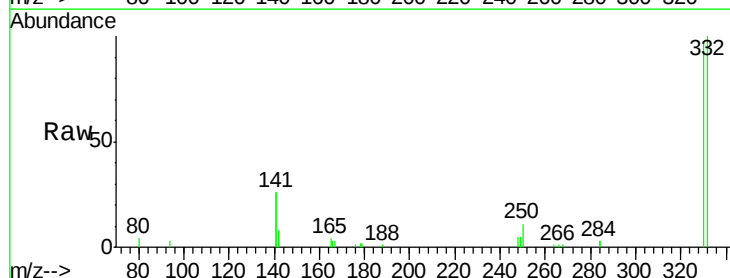
Tgt Ion:330 Resp: 9906

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.6

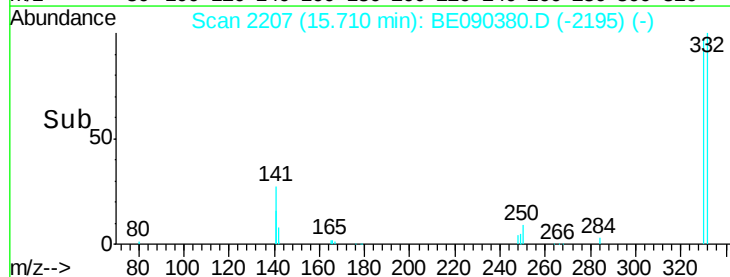
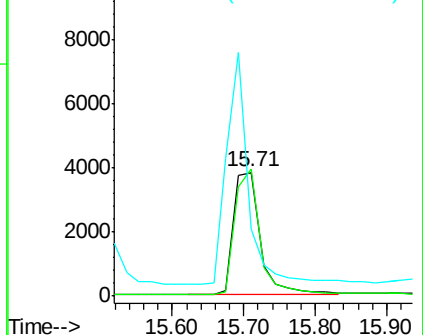
141 153.2 114.4 171.6

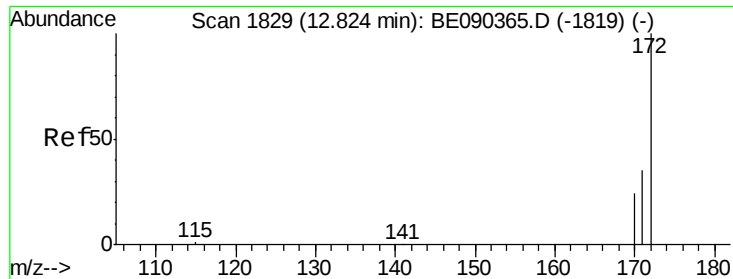


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

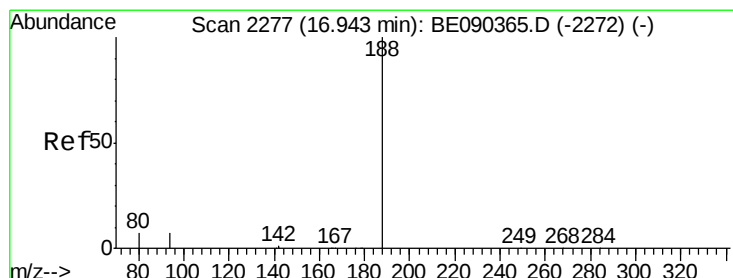
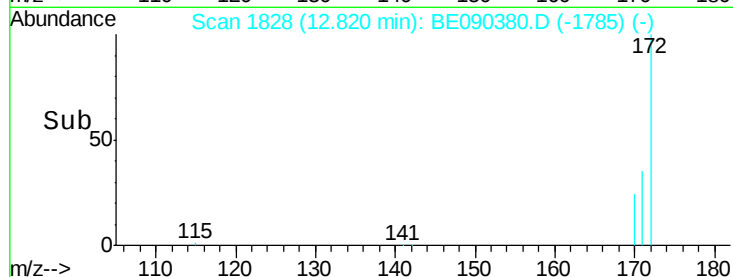
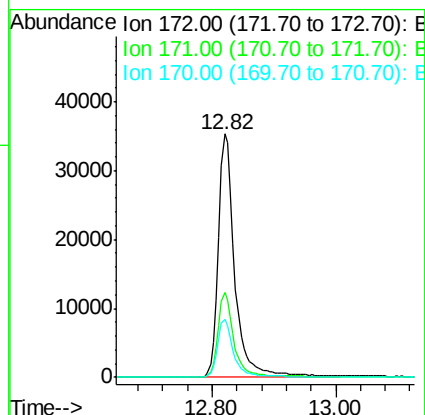
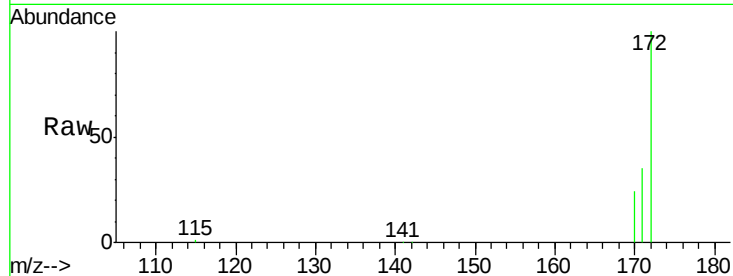




#14
2-Fluorobiphenyl
Concen: 4.68 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

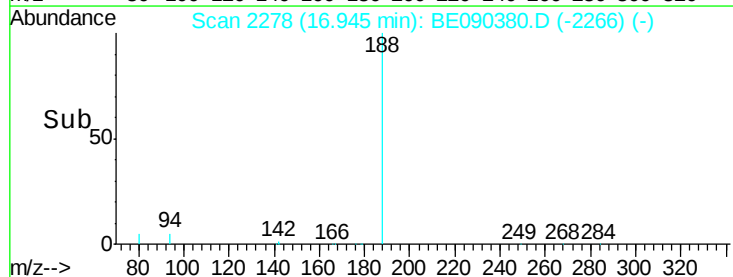
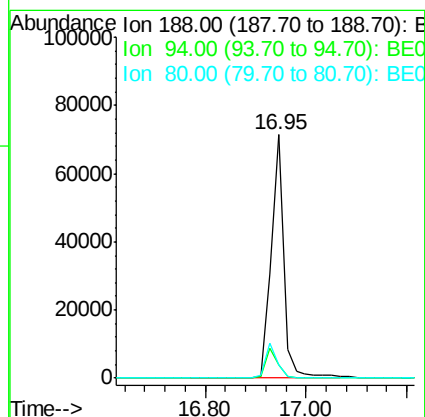
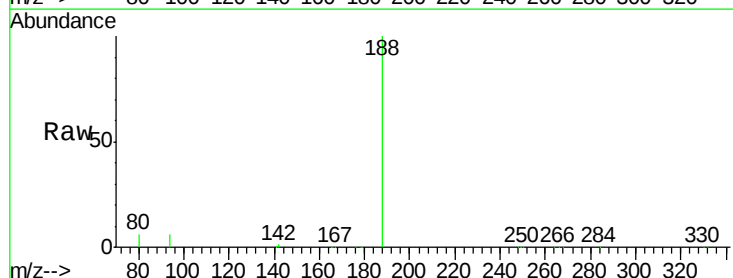
Instrument :
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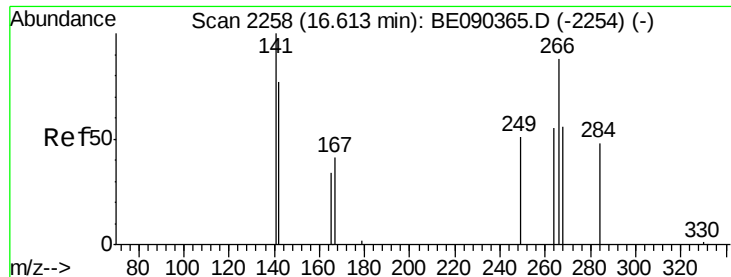
Tot Ion:172 Resp: 65229
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 24.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.95 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:188 Resp: 120817
Ion Ratio Lower Upper
188 100
94 5.5 5.7 8.5#
80 5.5 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

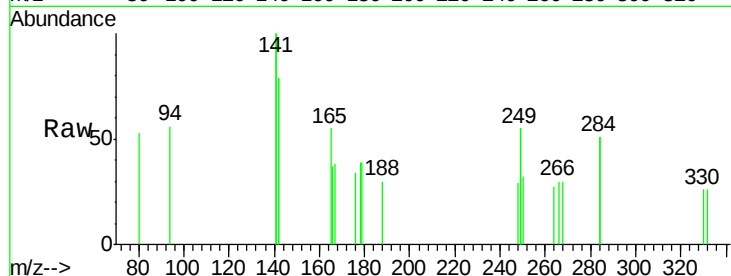
Tot Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

268 98.2 58.5 87.7#

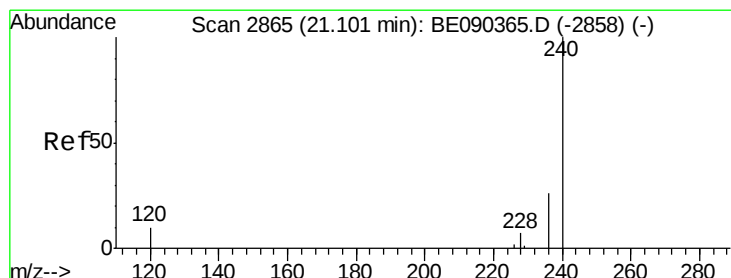
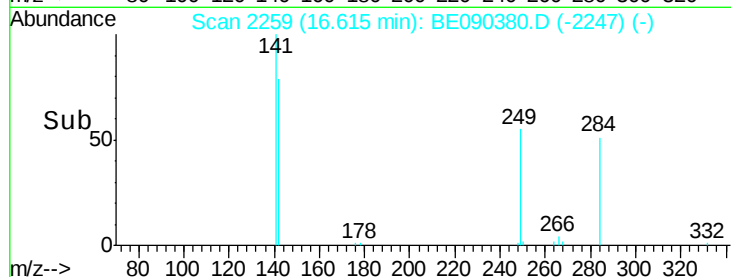
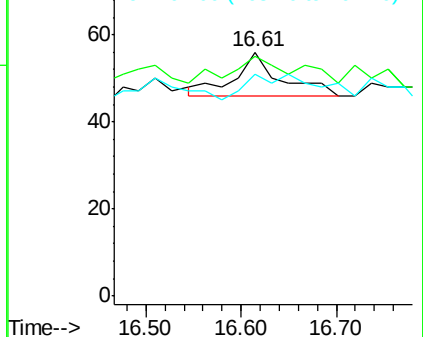
264 91.1 56.0 84.0#



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# 2866

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

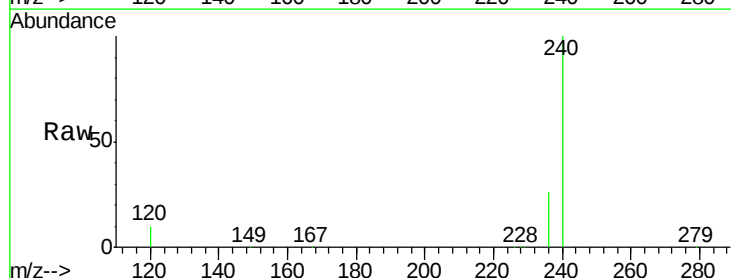
Tgt Ion:240 Resp: 146523

Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

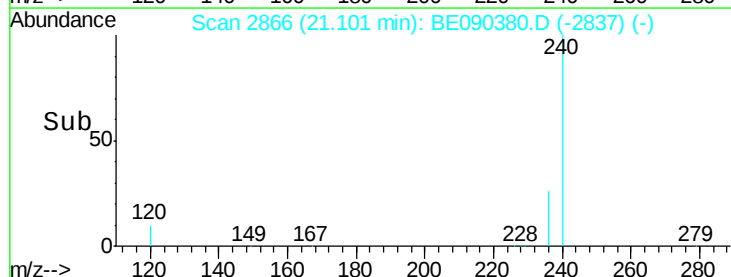
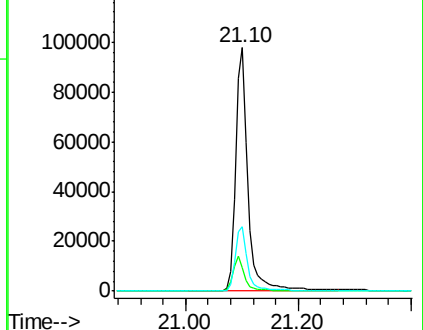
236 26.2 21.0 31.4

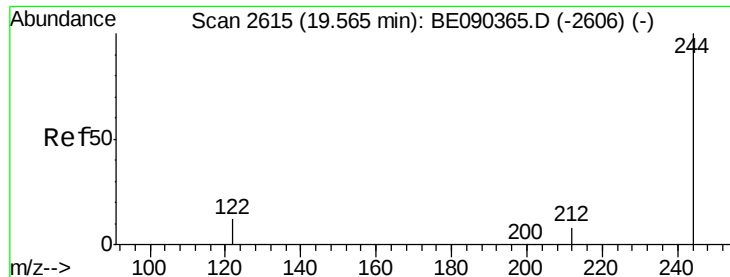


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.76 ng

RT: 19.56 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

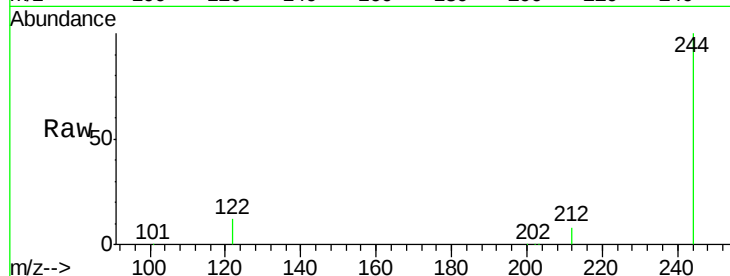
Tot Ion:244 Resp: 124284

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

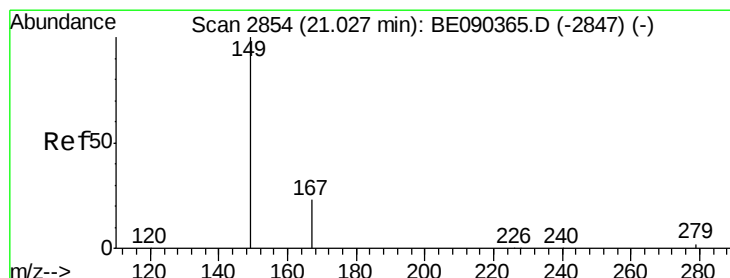
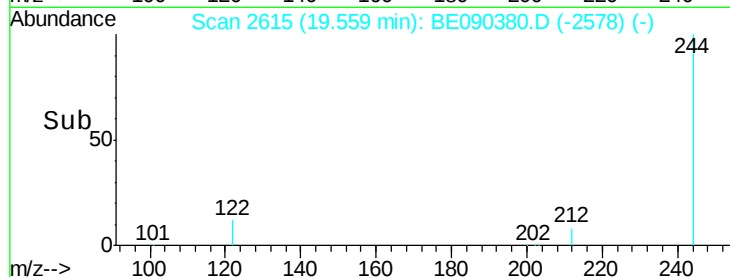
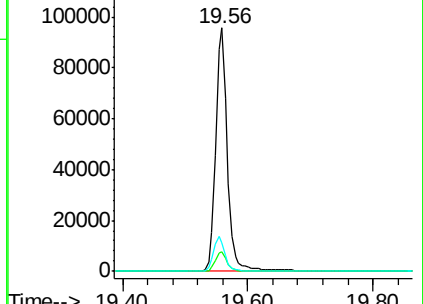
122 11.8 10.2 15.4



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: 0.34 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

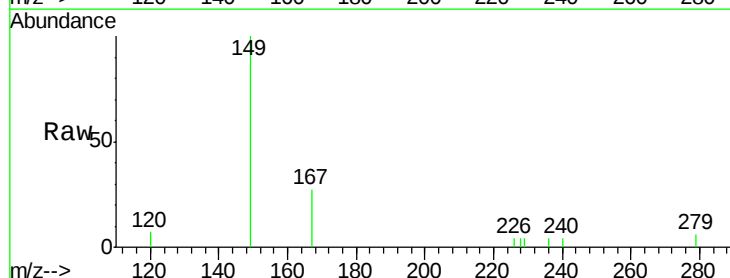
Tgt Ion:149 Resp: 1797

Ion Ratio Lower Upper

149 100

167 24.2 19.8 29.8

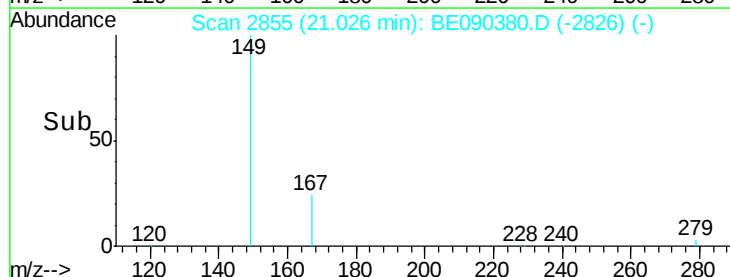
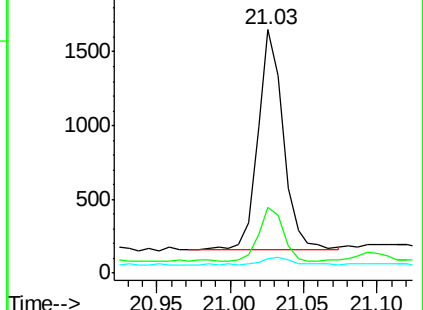
279 4.6 2.4 3.6#

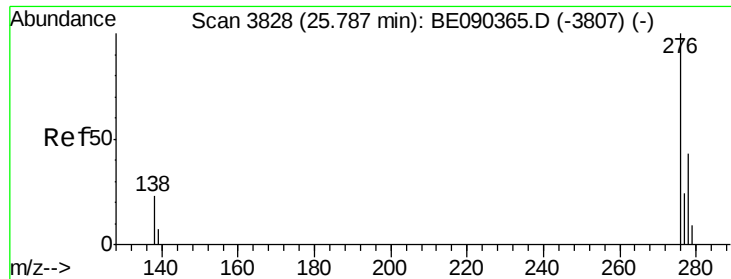


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

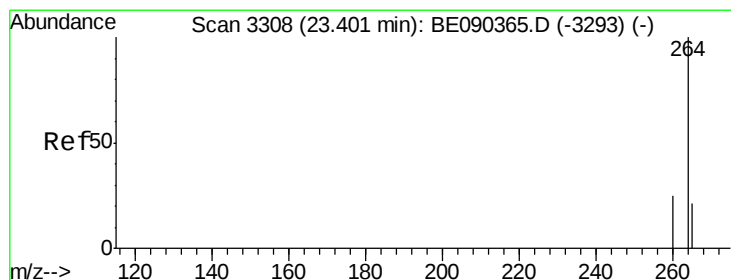
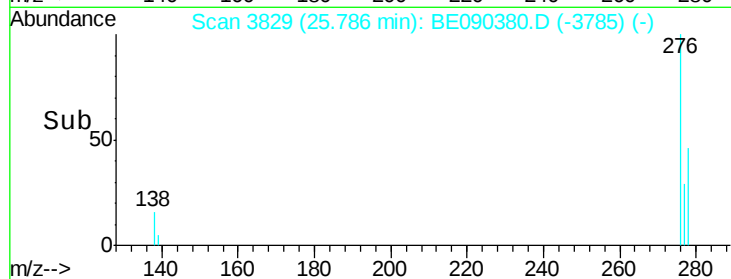
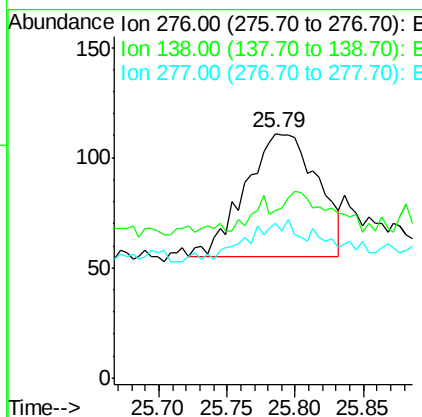
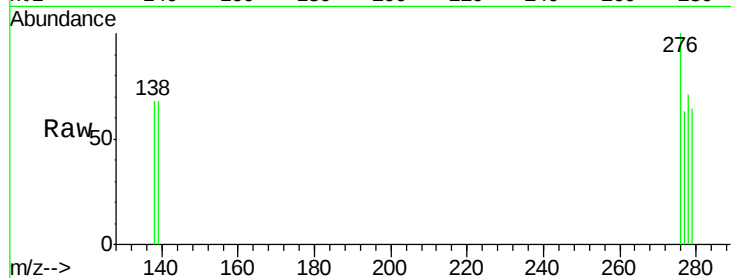




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3829
 Delta R.T. -0.00 min
 Lab File: BE090380.D
 Acq: 6 Aug 2015 7:55

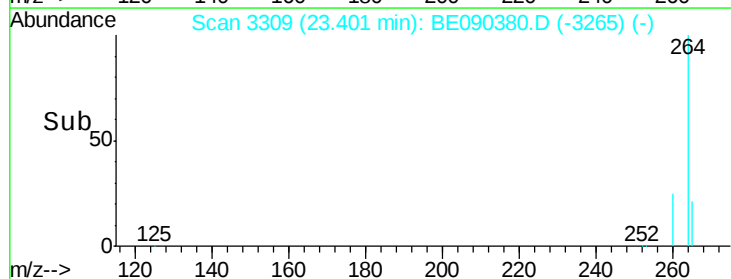
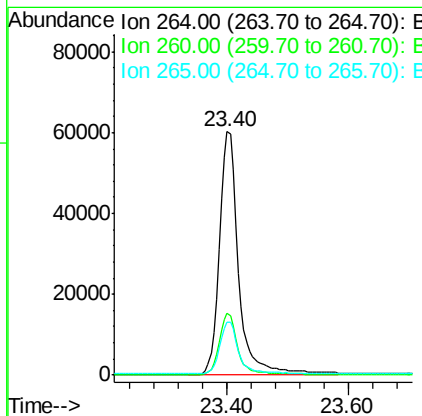
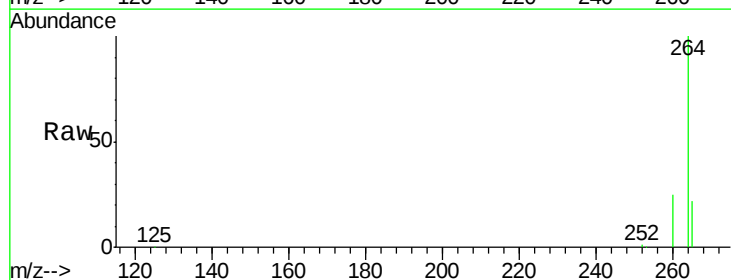
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-U-S

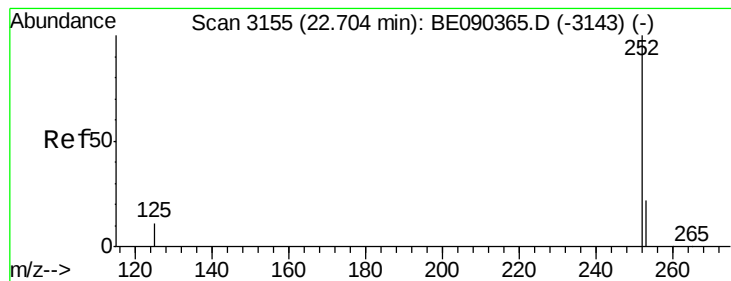
Tot Ion: 276 Resp: 205
 Ion Ratio Lower Upper
 276 100
 138 23.4 18.8 28.2
 277 20.5 18.2 27.4



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3309
 Delta R.T. -0.00 min
 Lab File: BE090380.D
 Acq: 6 Aug 2015 7:55

Tgt Ion: 264 Resp: 132578
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 21.6 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S

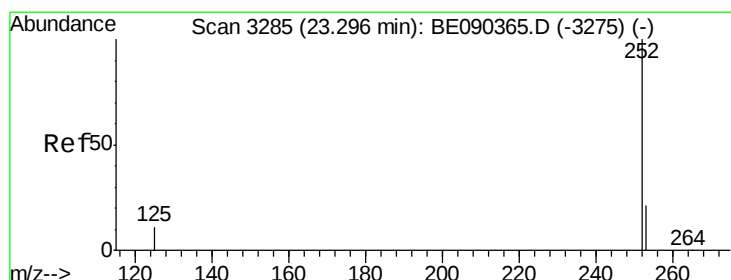
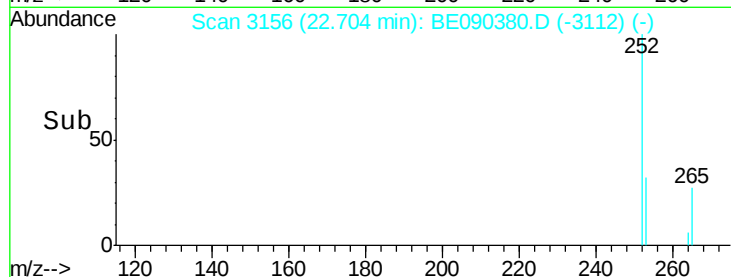
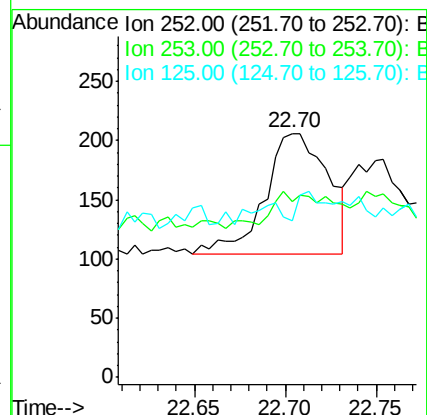
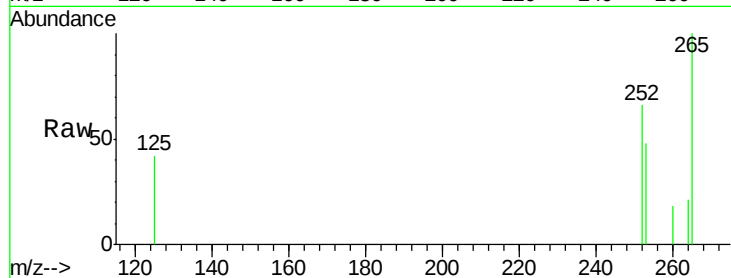
Tot Ion:252 Resp: 249

Ion Ratio Lower Upper

252 100

253 72.3 18.1 27.1#

125 64.1 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3287

Delta R.T. 0.00 min

Lab File: BE090380.D

Acq: 6 Aug 2015 7:55

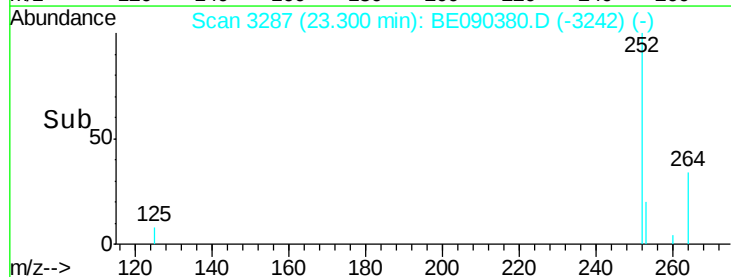
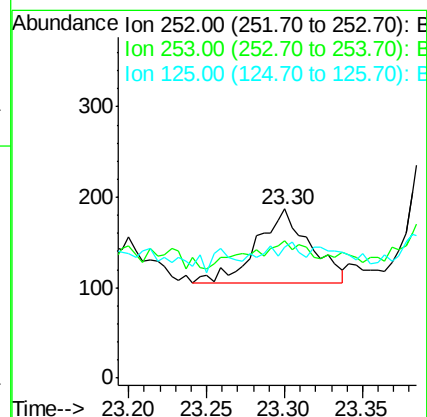
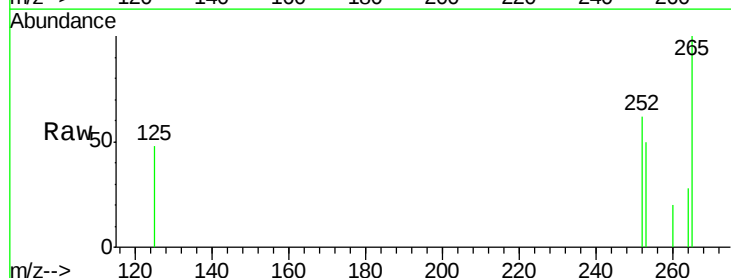
Tgt Ion:252 Resp: 194

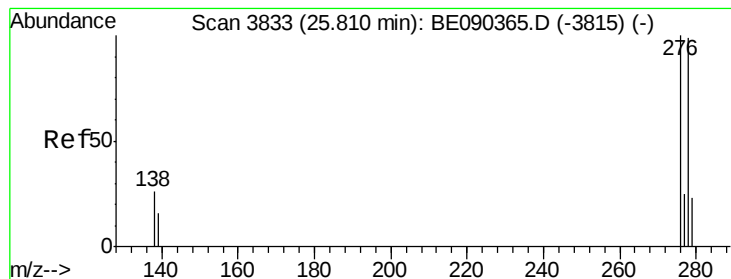
Ion Ratio Lower Upper

252 100

253 81.3 17.6 26.4#

125 77.5 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3835

Delta R.T. 0.00 min

Lab File: BE090380.D

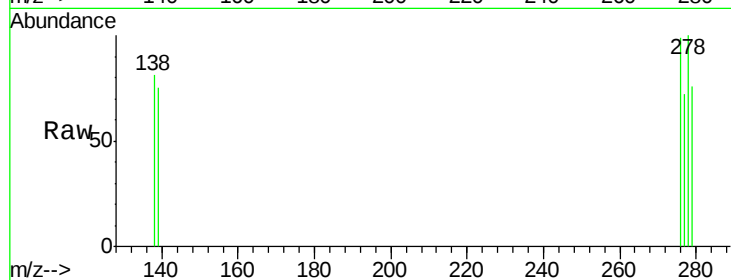
Acq: 6 Aug 2015 7:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-S



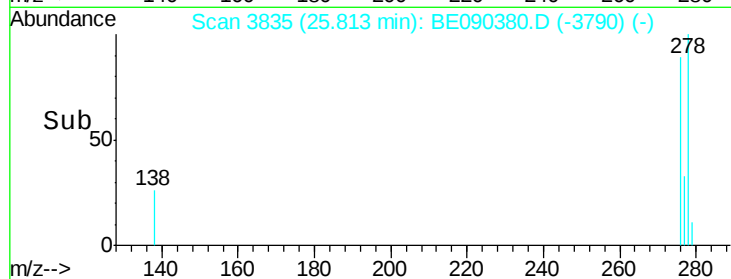
Tot Ion: 278 Resp: 128

Ion Ratio Lower Upper

278 100

139 74.7 14.2 21.4#

279 75.8 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

