

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090423.D
 Acq On : 11 Aug 2015 4:37
 Operator : TP/UM
 Sample : PB84906BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84906BL

Quant Time: Aug 11 07:14:51 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

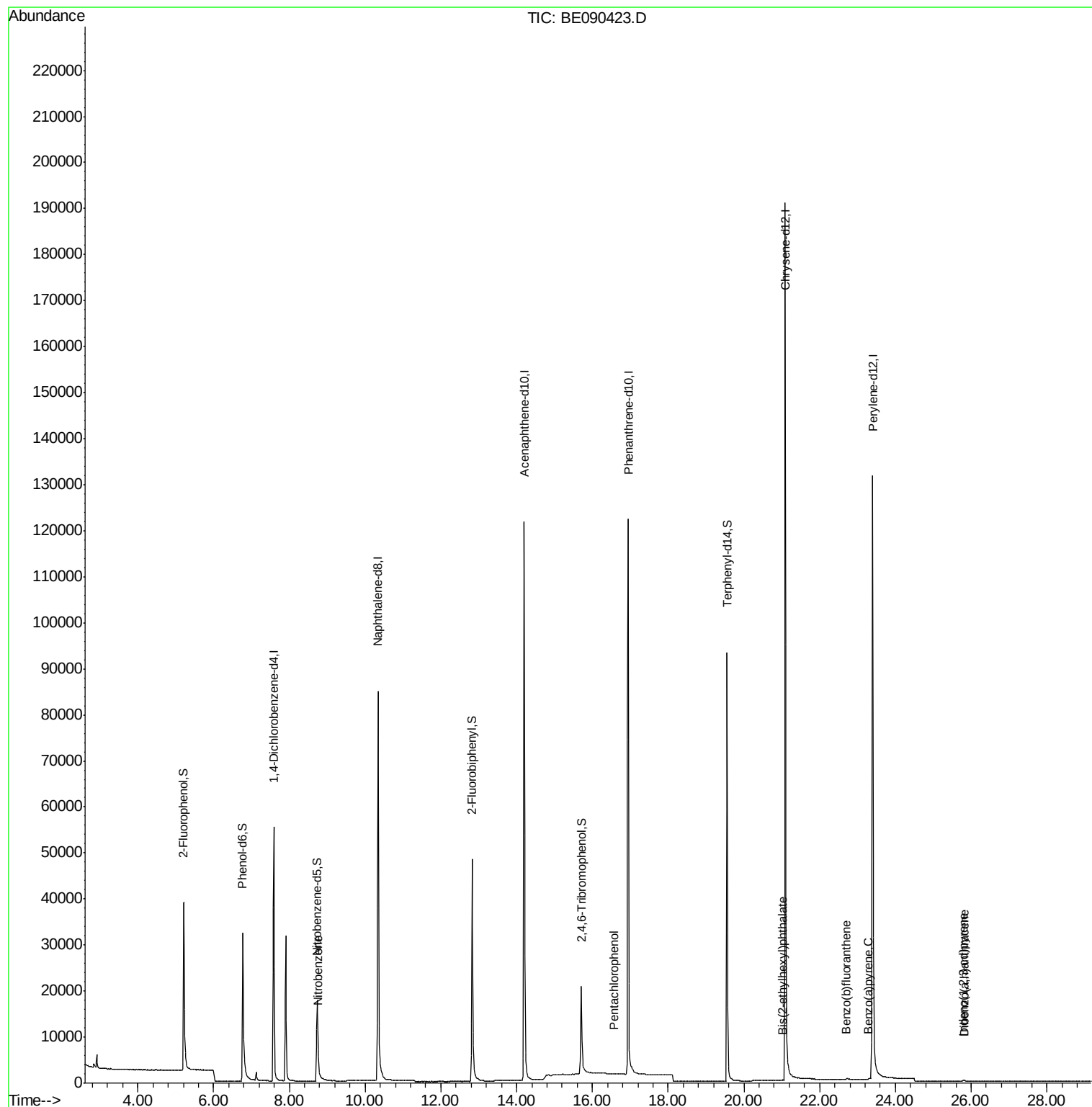
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	29259	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	136220	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	81130	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	187524	5.00	ng	0.00
25) Chrysene-d12	21.09	240	210139	5.00	ng	0.00
32) Perylene-d12	23.40	264	195219	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	34030	7.75	ng	0.00
5) Phenol-d6	6.77	99	49788	5.31	ng	0.00
7) Nitrobenzene-d5	8.73	82	27067	2.54	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	13169	6.02	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	64848	2.91	ng	0.00
27) Terphenyl-d14	19.56	244	111483	3.60	ng	0.00
Target Compounds						
8) Nitrobenzene	8.77	77	15	0.21	ng	# 68
10) Hexachlorobutadiene	10.65	225	8	Below Cal		# 43
21) Pentachlorophenol	16.58	266	16	0.10	ng	# 68
30) Bis(2-ethylhexyl)phthalate	21.03	149	85	0.12	ng	# 91
31) Indeno(1,2,3-cd)pyrene	25.80	276	387	0.26	ng	# 64
33) Benzo(b)fluoranthene	22.71	252	121	0.20	ng	# 1
35) Benzo(a)pyrene	23.29	252	194	0.23	ng	# 1
36) Dibenzo(a,h)anthracene	25.82	278	402	0.29	ng	# 1

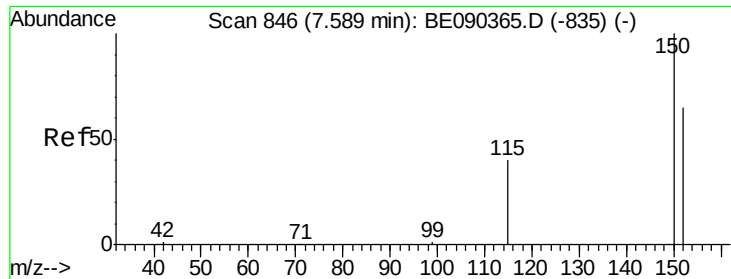
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Aug 11 07:14:51 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

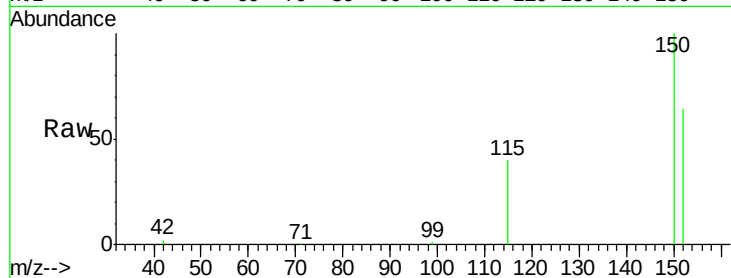
Tgt Ion:152 Resp: 29259

Ion Ratio Lower Upper

152 100

150 156.6 123.0 184.4

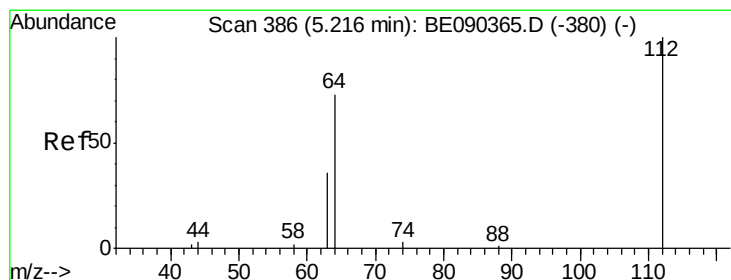
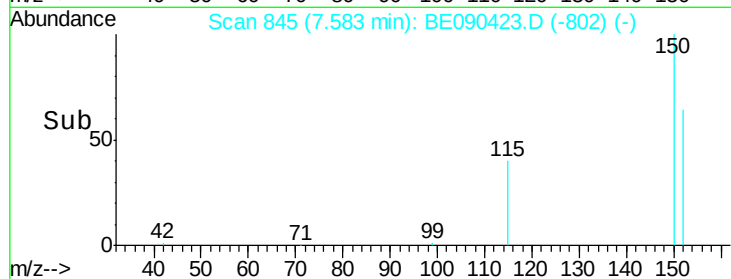
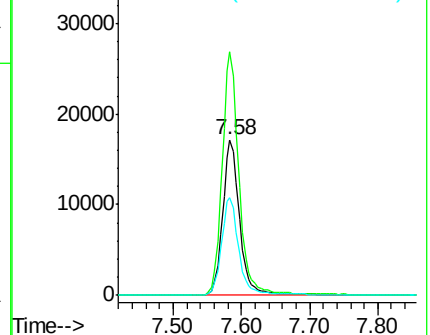
115 62.9 48.9 73.3



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



#4

2-Fluorophenol

Concen: 7.75 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

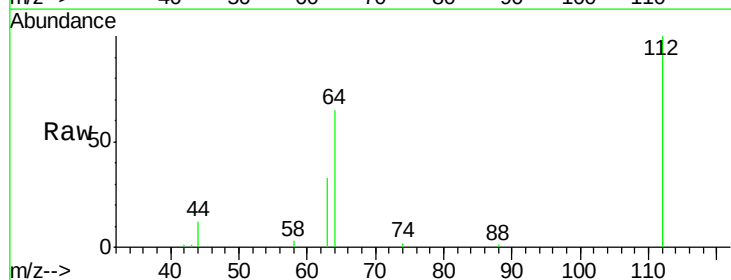
Tgt Ion:112 Resp: 34030

Ion Ratio Lower Upper

112 100

64 70.2 37.1 55.7#

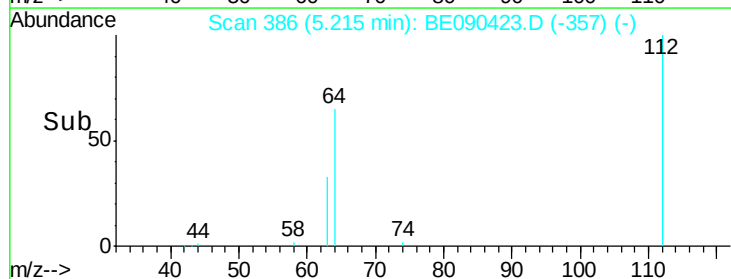
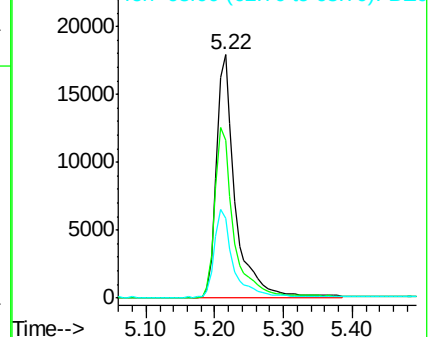
63 36.2 19.5 29.3#

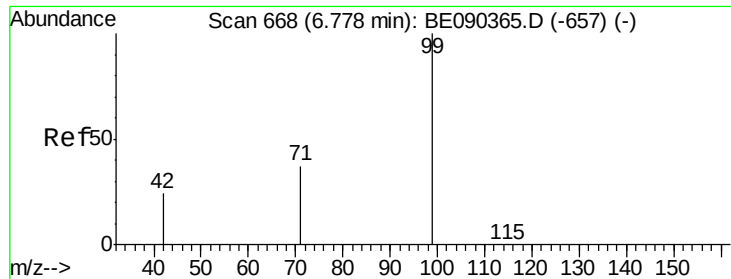


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.31 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampled :

PB84906BL

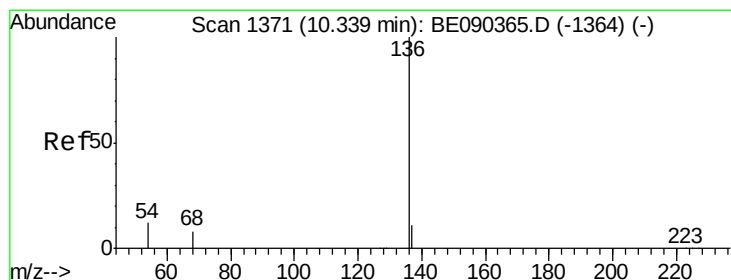
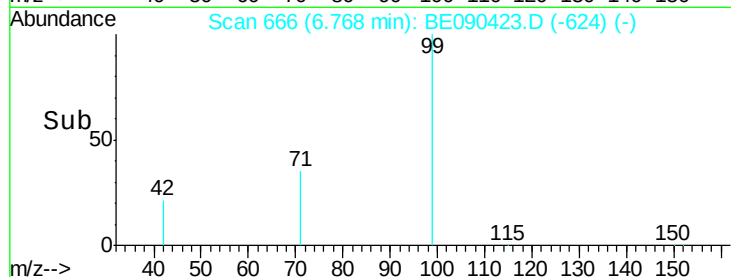
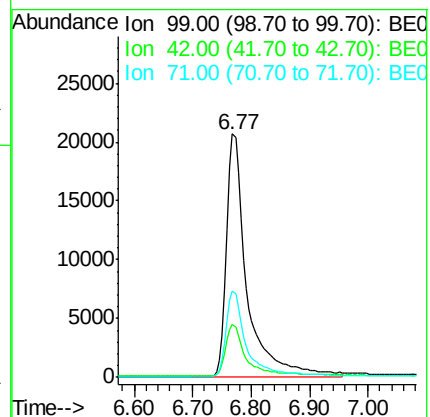
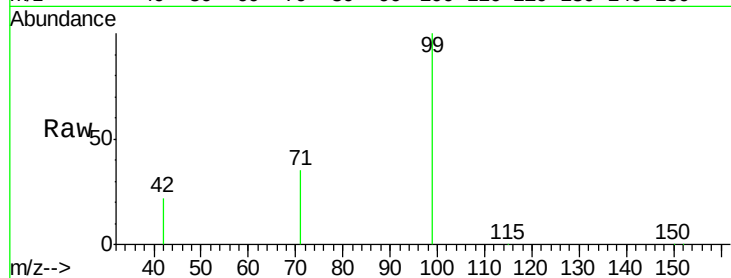
Tgt Ion: 99 Resp: 49788

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.4

71 35.1 27.4 41.0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Tgt Ion: 136 Resp: 136220

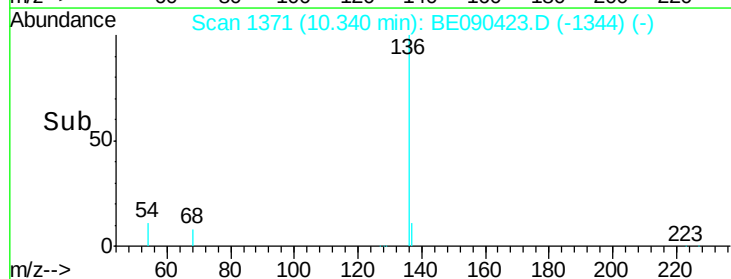
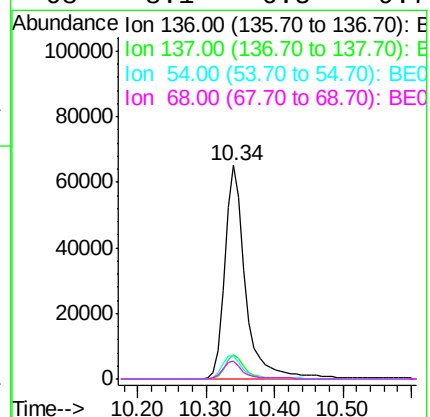
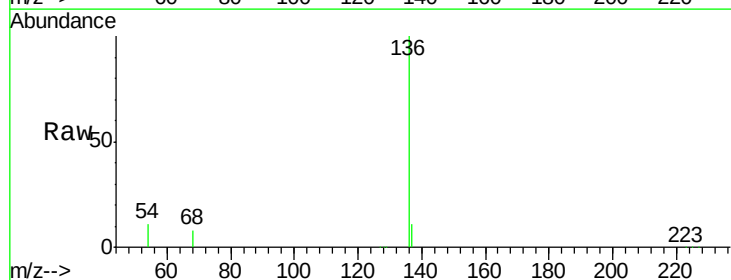
Ion Ratio Lower Upper

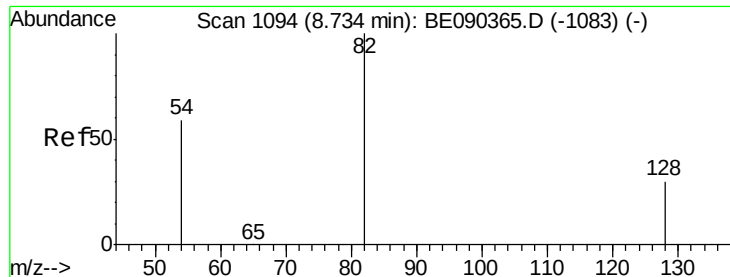
136 100

137 11.1 8.7 13.1

54 11.0 9.4 14.0

68 8.1 6.5 9.7





#7

Nitrobenzene-d5

Concen: 2.54 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

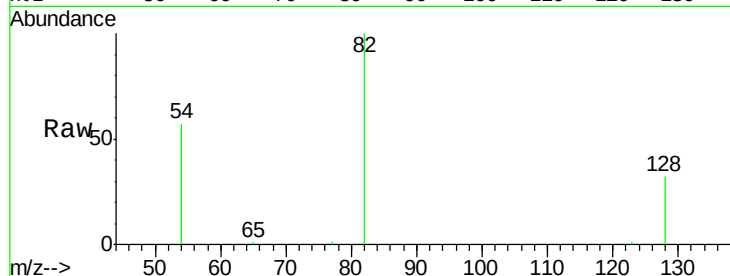
Tgt Ion: 82 Resp: 27067

Ion Ratio Lower Upper

82 100

128 31.7 25.0 37.6

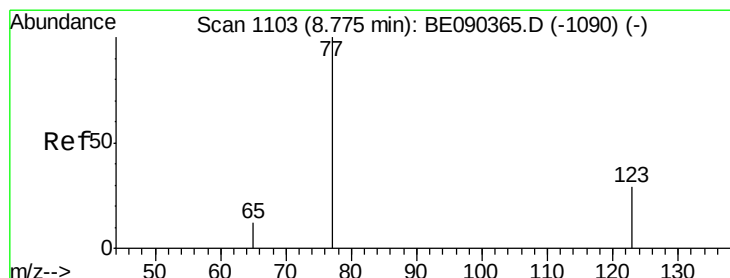
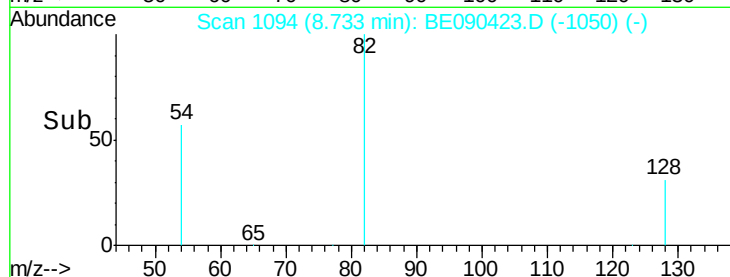
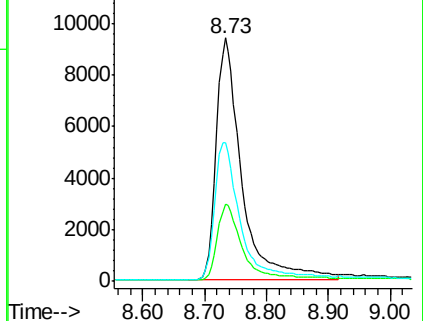
54 57.1 48.8 73.2



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: 0.21 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

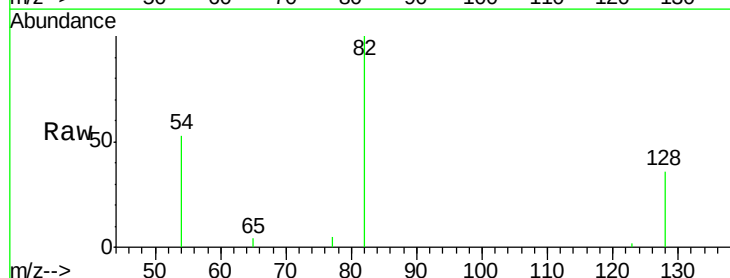
Tgt Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 13.3 25.1 37.7#

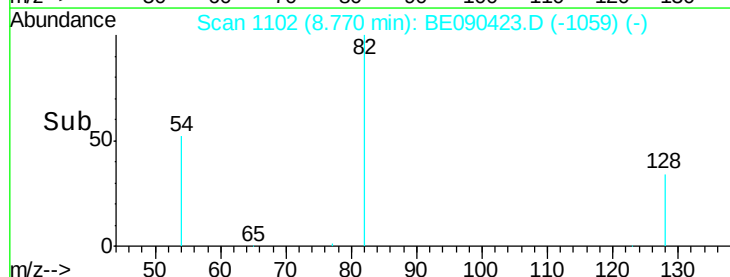
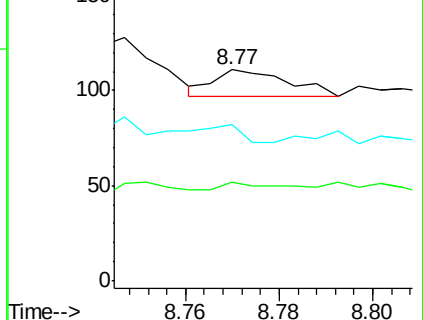
65 0.0 9.3 13.9#

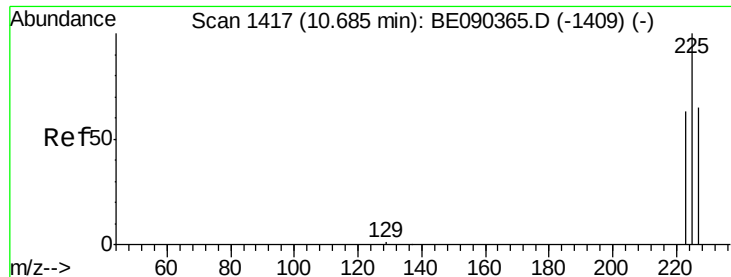


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.65 min Scan# 1412

Delta R.T. -0.04 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

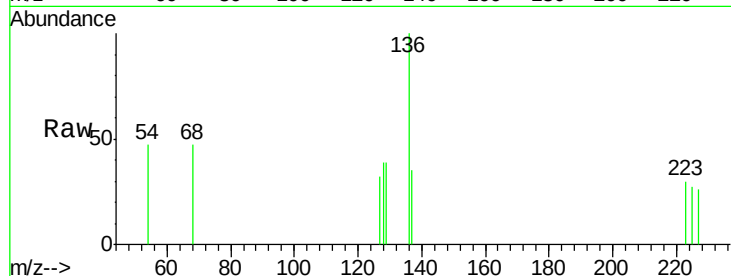
Tgt Ion: 225 Resp: 8

Ion Ratio Lower Upper

225 100

223 25.0 50.6 75.8#

227 12.5 50.7 76.1#

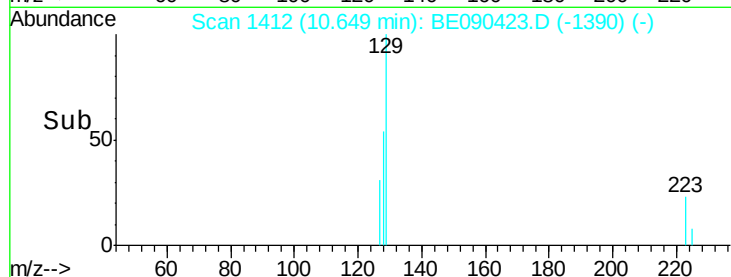


Abundance Ion 225.00 (224.70 to 225.70): E

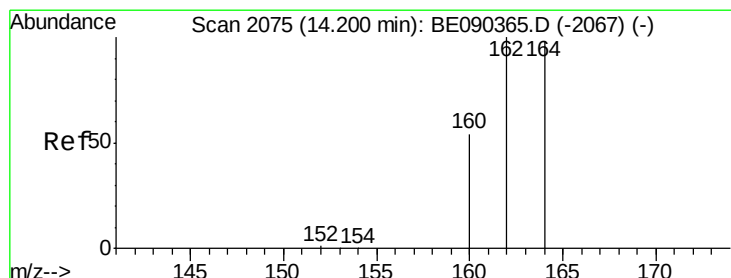
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

10.65



Time--> 10.60 10.65 10.70



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

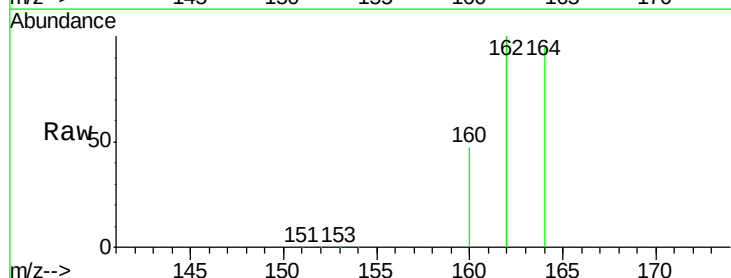
Tgt Ion: 164 Resp: 81130

Ion Ratio Lower Upper

164 100

162 105.4 81.8 122.8

160 49.5 44.2 66.4

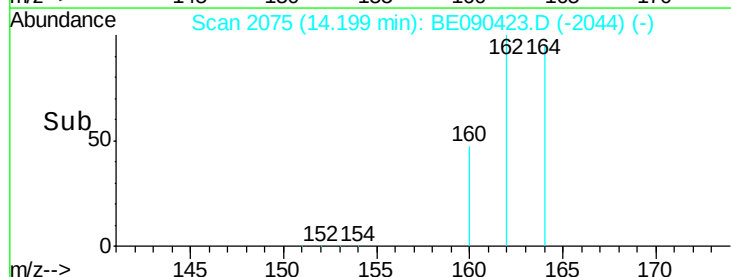


Abundance Ion 164.00 (163.70 to 164.70): E

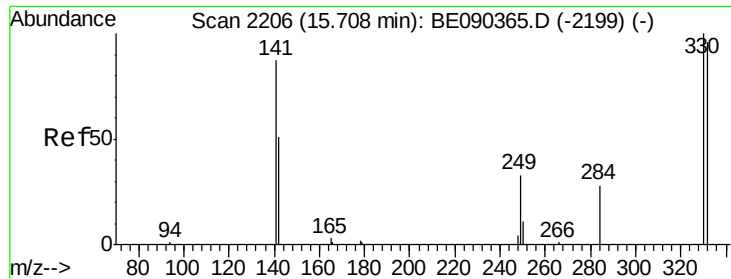
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.20



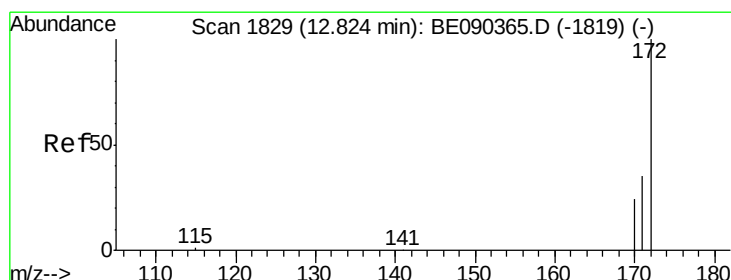
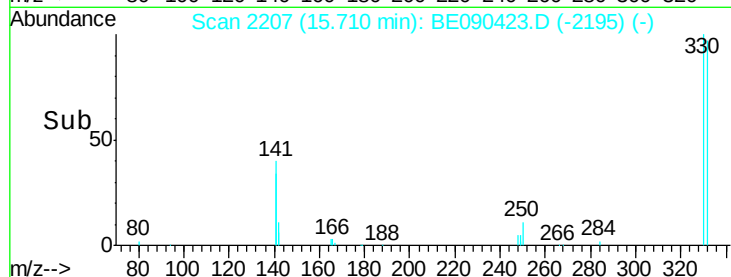
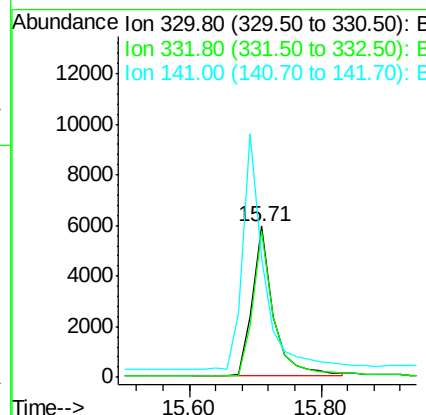
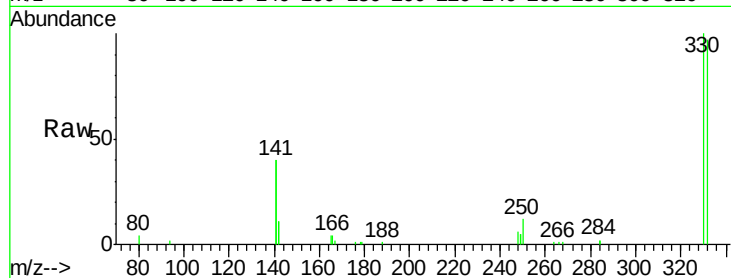
Time--> 14.00 14.20 14.40



#13
 2,4,6-Tribromophenol
 Concen: 6.02 ng
 RT: 15.71 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: BE090423.D
 Acq: 11 Aug 2015 4:37

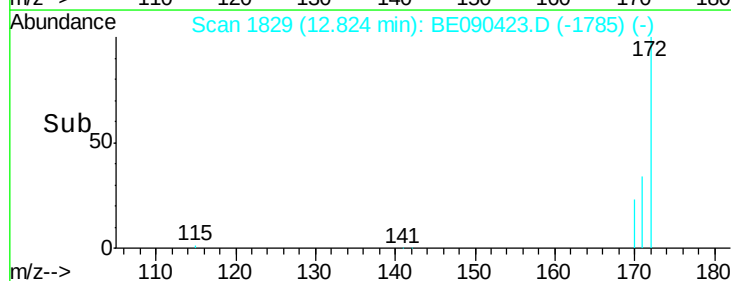
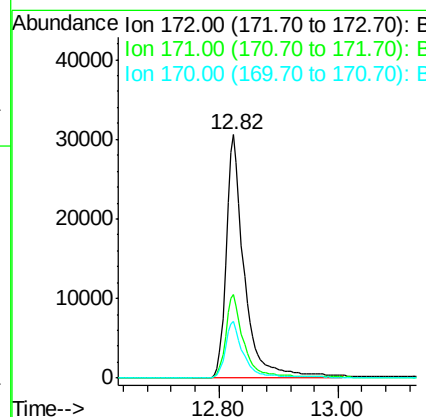
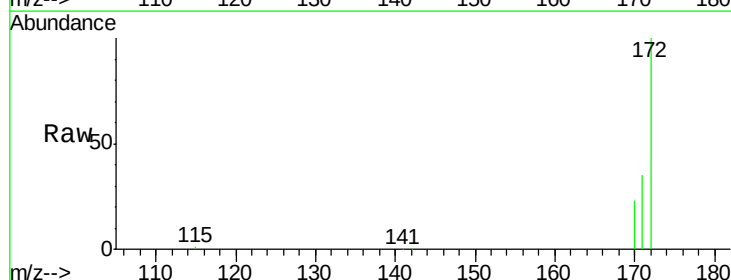
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BL

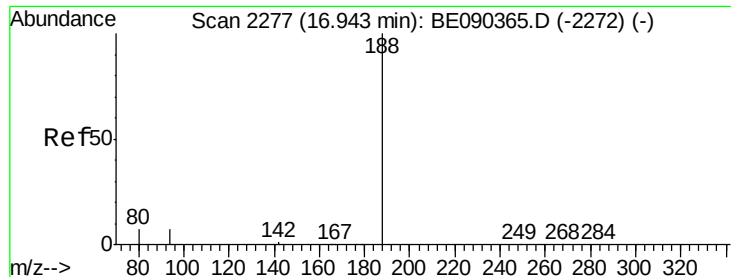
Tgt Ion: 330 Resp: 13169
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 157.4 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 2.91 ng
 RT: 12.82 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE090423.D
 Acq: 11 Aug 2015 4:37

Tgt Ion: 172 Resp: 64848
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.2 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampled :

PB84906BL

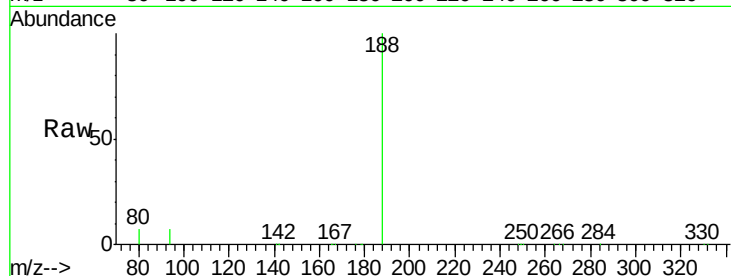
Tgt Ion:188 Resp: 187524

Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

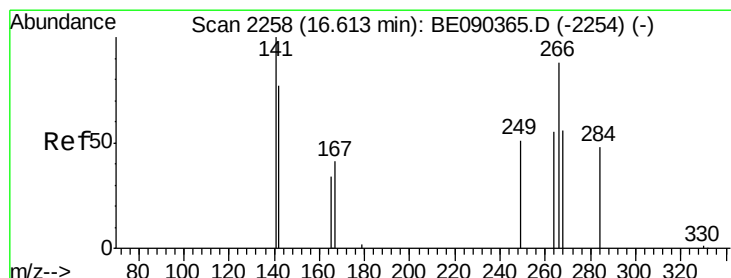
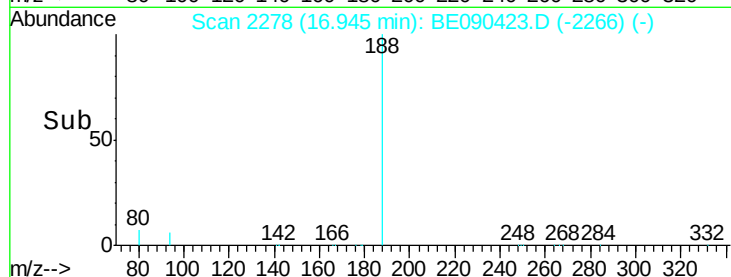
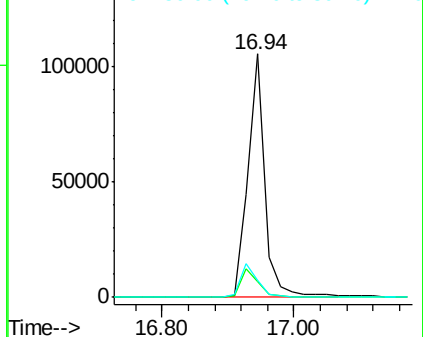
80 7.1 5.8 8.8



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: 0.10 ng

RT: 16.58 min Scan# 2257

Delta R.T. -0.03 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

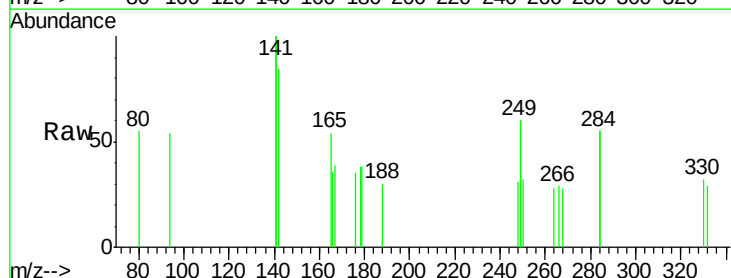
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

268 98.0 58.5 87.7#

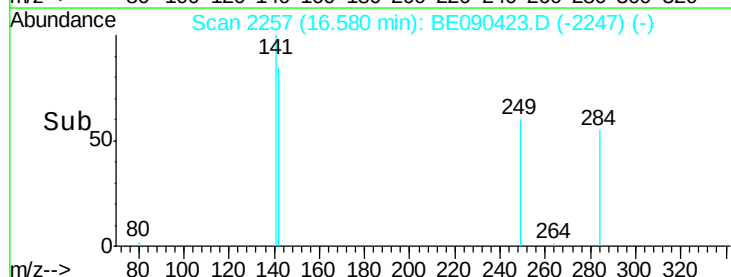
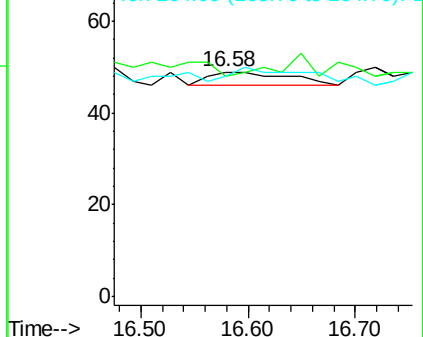
264 98.0 56.0 84.0#

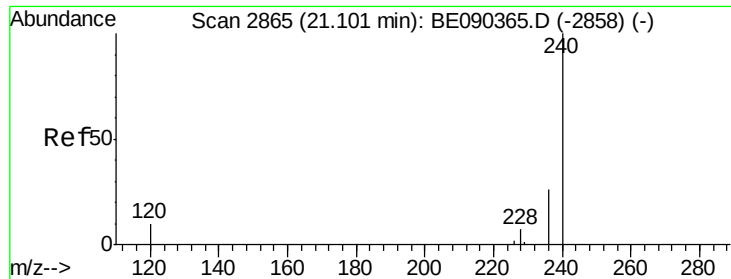


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.09 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

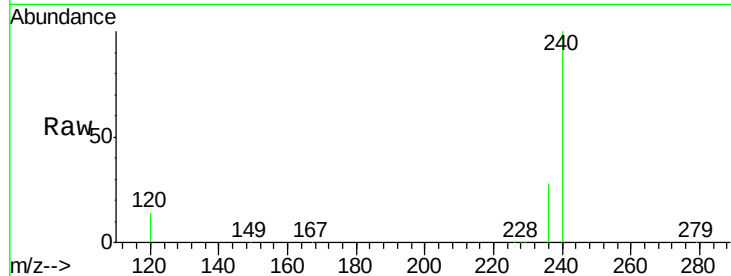
Tgt Ion:240 Resp: 210139

Ion Ratio Lower Upper

240 100

120 14.2 8.3 12.5#

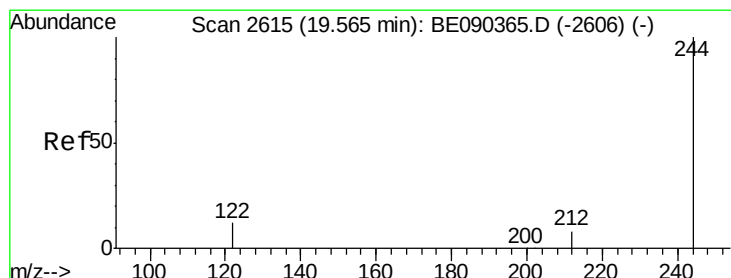
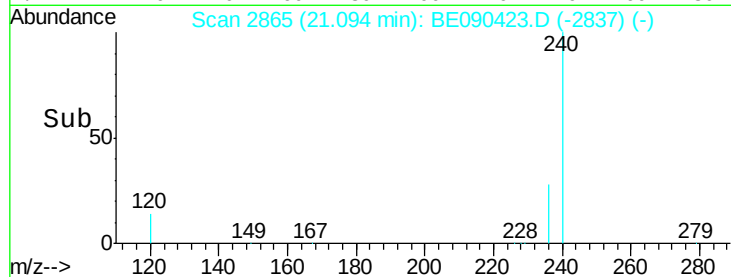
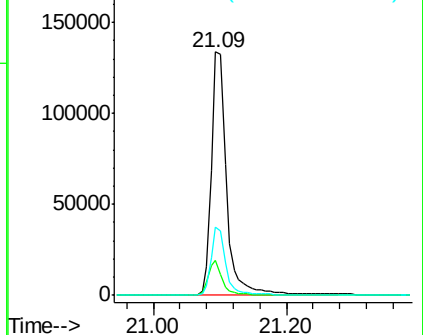
236 27.9 21.0 31.4



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: 3.60 ng

RT: 19.56 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

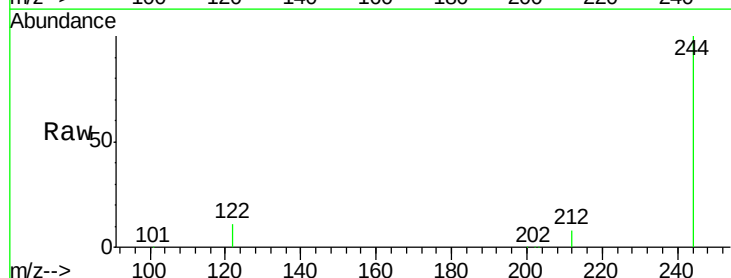
Tgt Ion:244 Resp: 111483

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

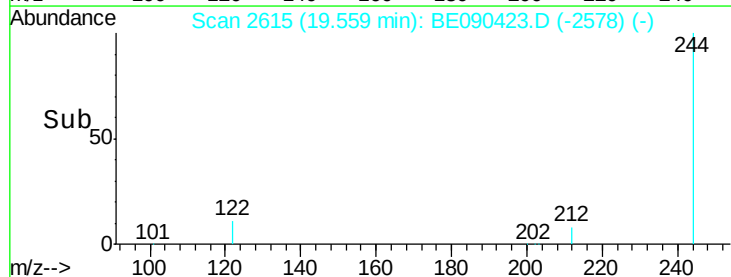
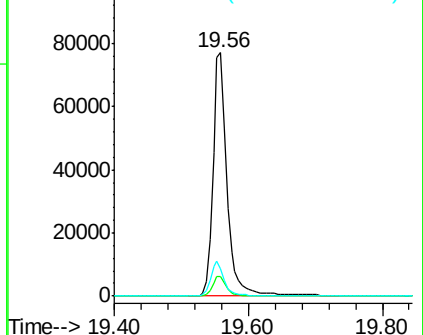
122 11.2 10.2 15.4

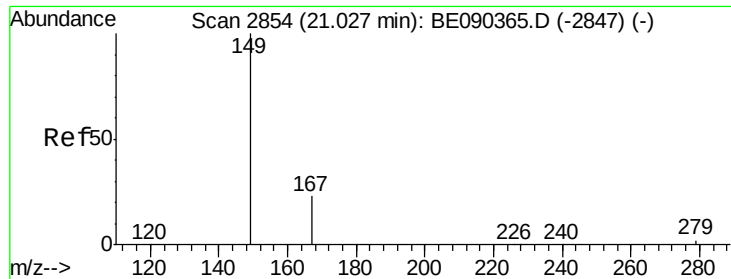


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

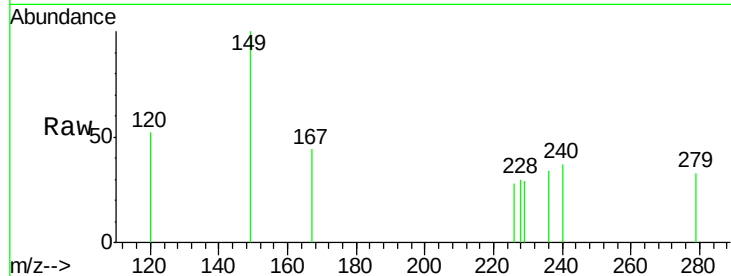
Tgt Ion:149 Resp: 85

Ion Ratio Lower Upper

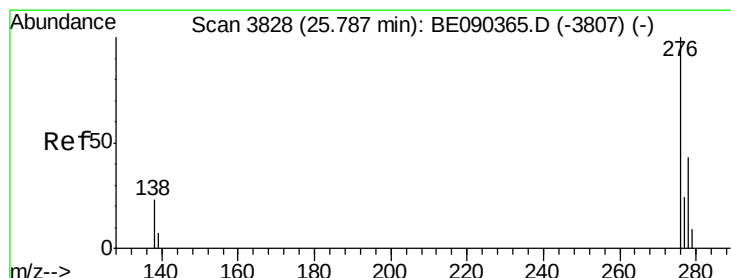
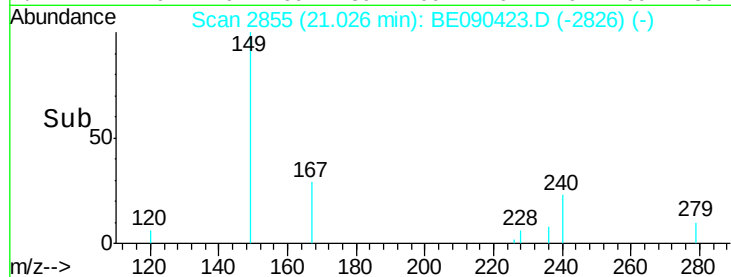
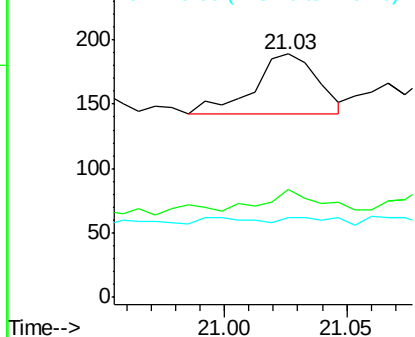
149 100

167 28.2 19.8 29.8

279 10.6 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: 25.80 min Scan# 3833

Delta R.T. 0.02 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

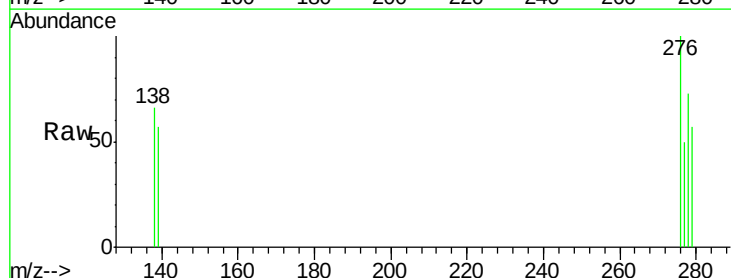
Tgt Ion:276 Resp: 387

Ion Ratio Lower Upper

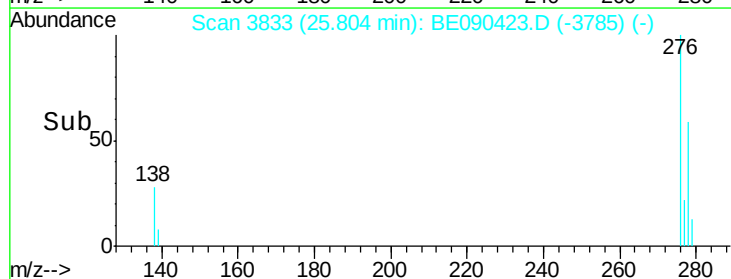
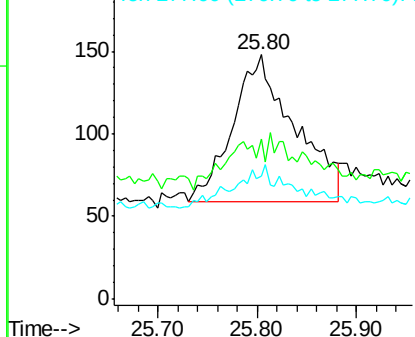
276 100

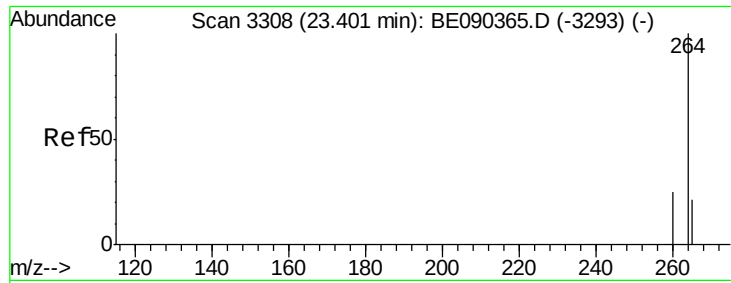
138 0.0 18.8 28.2#

277 11.4 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

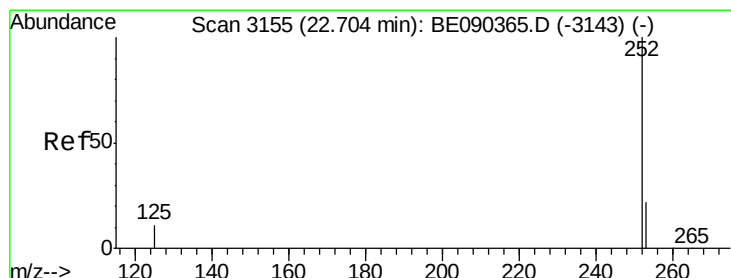
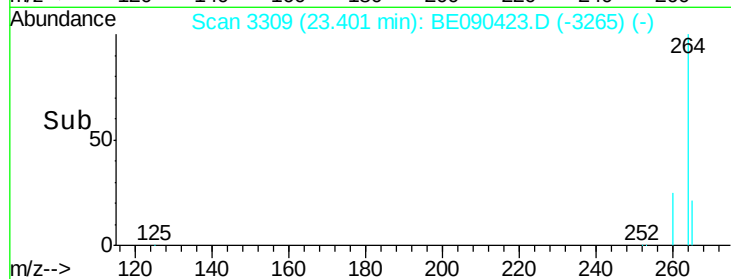
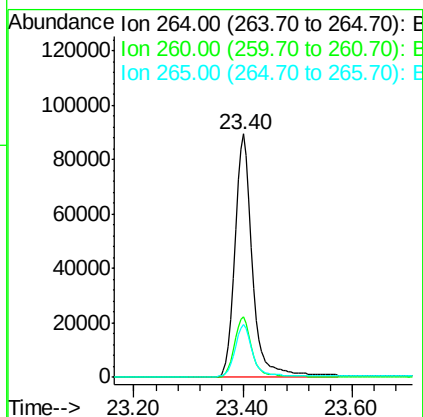
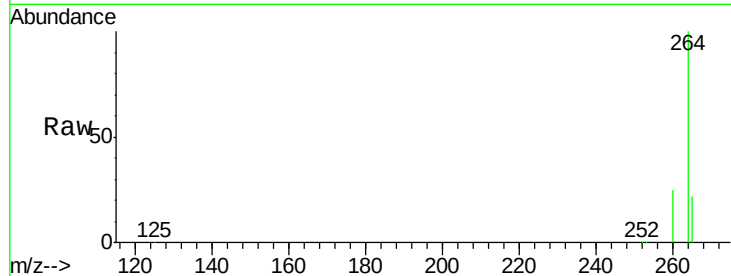




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3309
 Delta R.T. -0.00 min
 Lab File: BE090423.D
 Acq: 11 Aug 2015 4:37

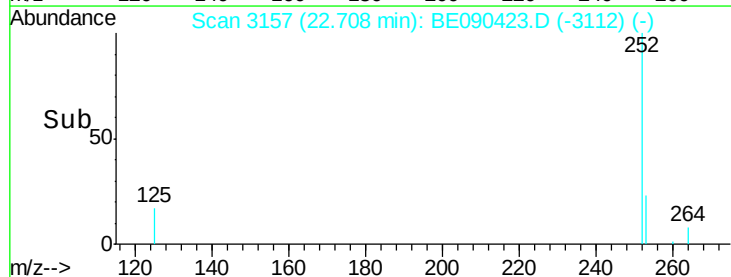
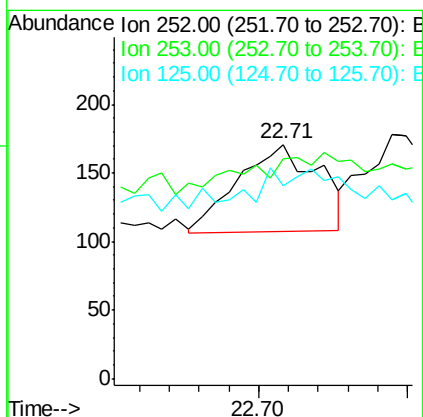
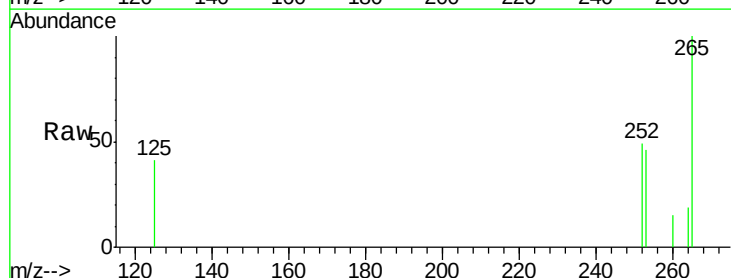
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BL

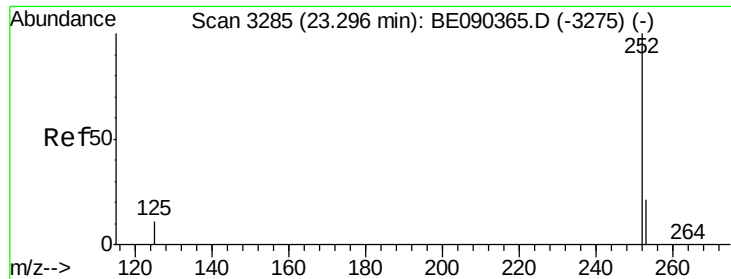
Tgt Ion: 264 Resp: 195219
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.1 30.1
 265 21.6 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.71 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE090423.D
 Acq: 11 Aug 2015 4:37

Tgt Ion: 252 Resp: 121
 Ion Ratio Lower Upper
 252 100
 253 93.6 18.1 27.1#
 125 82.5 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

Instrument :

BNA_E

ClientSampleId :

PB84906BL

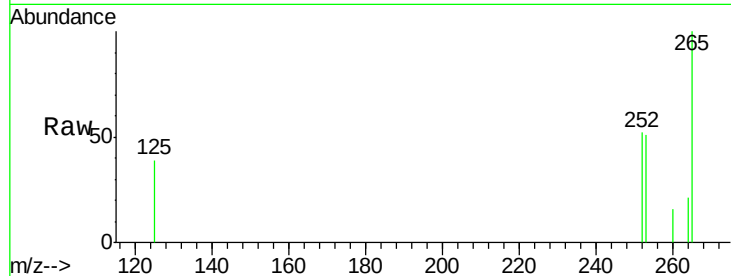
Tgt Ion: 252 Resp: 194

Ion Ratio Lower Upper

252 100

253 96.6 17.6 26.4#

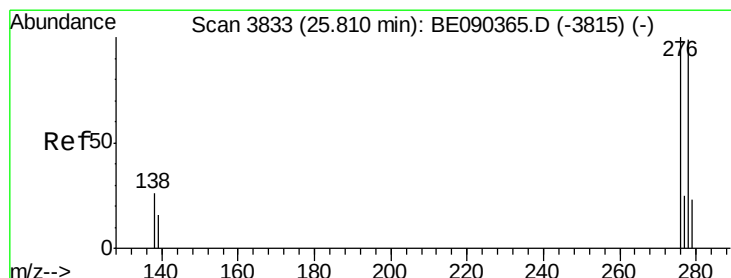
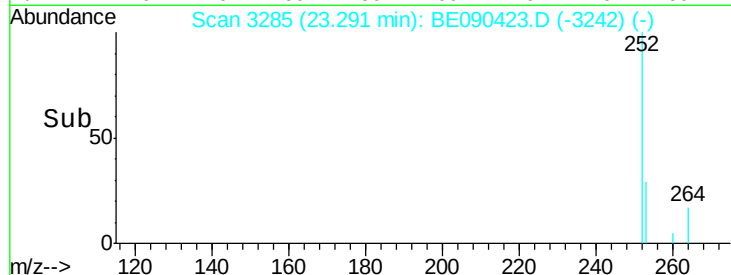
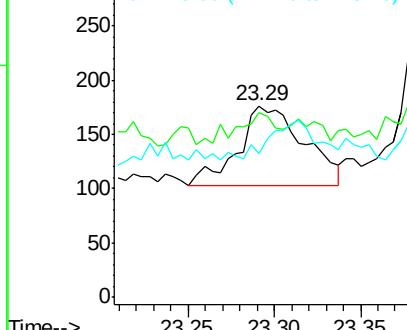
125 75.0 9.8 14.6#



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: 25.82 min Scan# 3836

Delta R.T. 0.01 min

Lab File: BE090423.D

Acq: 11 Aug 2015 4:37

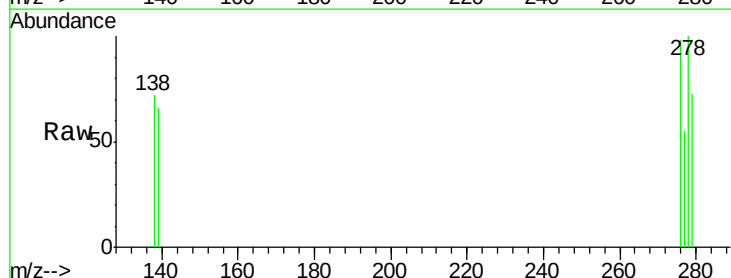
Tgt Ion: 278 Resp: 402

Ion Ratio Lower Upper

278 100

139 65.9 14.2 21.4#

279 73.2 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

