

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090385.D
 Acq On : 6 Aug 2015 12:22
 Operator : TP/UM
 Sample : G3174-02RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-U-MRE

Quant Time: Aug 06 13:45:36 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	25716	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	112417	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	64480	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	151385	5.00	ng	0.00
25) Chrysene-d12	21.10	240	184621	5.00	ng	0.00
32) Perylene-d12	23.40	264	172569	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	11710	3.04	ng	0.00
5) Phenol-d6	6.77	99	10119	1.42	ng	0.00
7) Nitrobenzene-d5	8.73	82	28925	3.23	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	12924	6.98	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	74070	4.18	ng	0.00
27) Terphenyl-d14	19.56	244	141226	5.19	ng	0.00

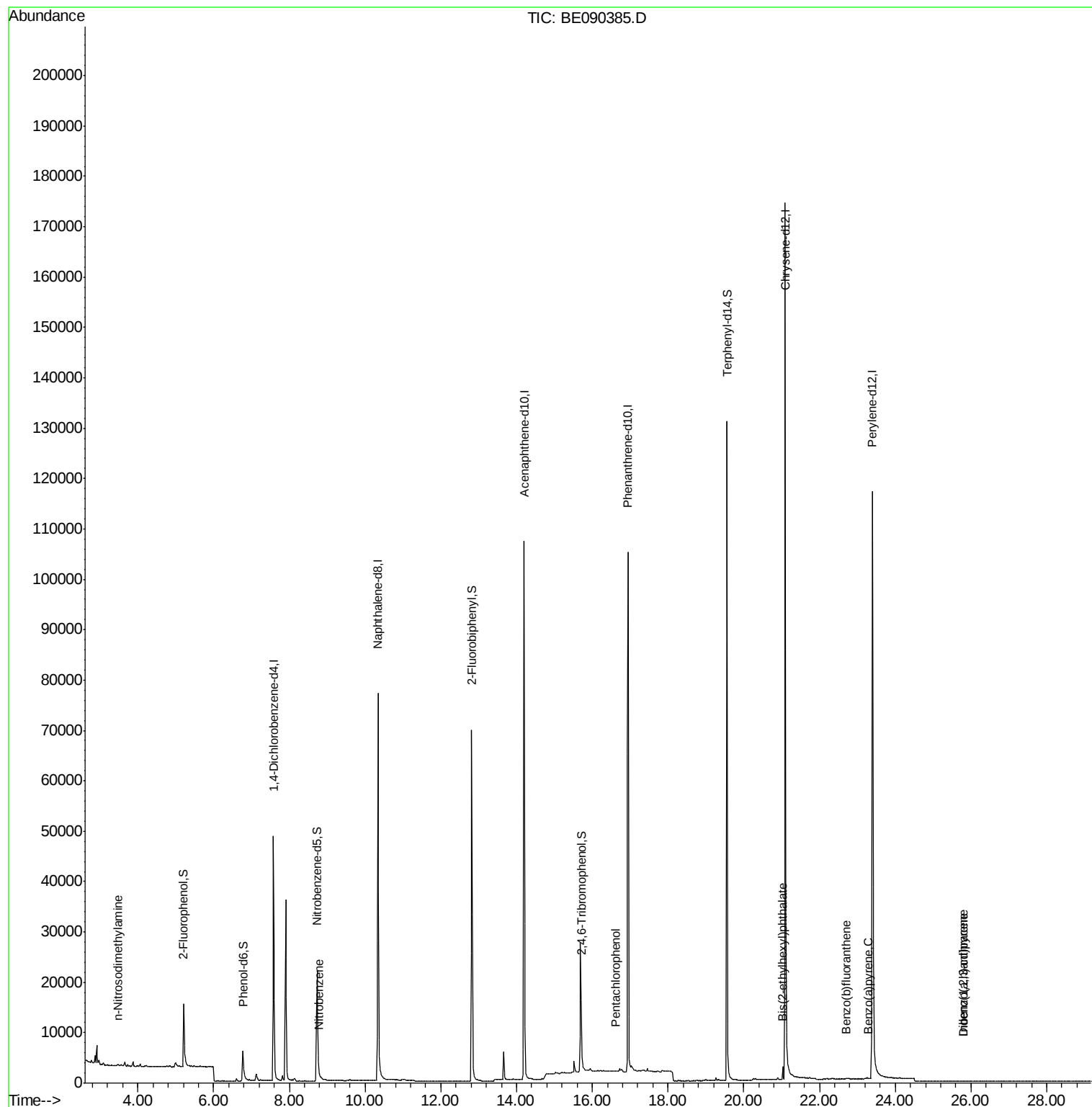
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	98	Below Cal	#	28
3) n-Nitrosodimethylamine	3.47	42	114	0.03 ng	#	1
8) Nitrobenzene	8.80	77	8	0.21 ng	#	31
10) Hexachlorobutadiene	10.71	225	2	Below Cal	#	1
21) Pentachlorophenol	16.61	266	23	0.11 ng	#	66
30) Bis(2-ethylhexyl)phthalate	21.03	149	2212	0.33 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	84	0.25 ng	#	81
33) Benzo(b)fluoranthene	22.70	252	164	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	103	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	115	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

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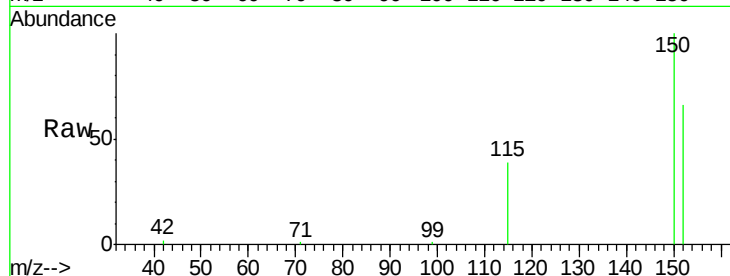
Tgt Ion:152 Resp: 25716

Ion Ratio Lower Upper

152 100

150 152.6 123.0 184.4

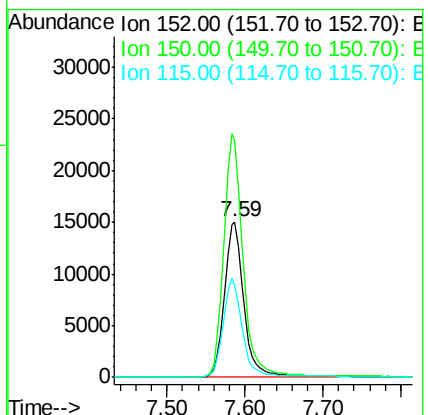
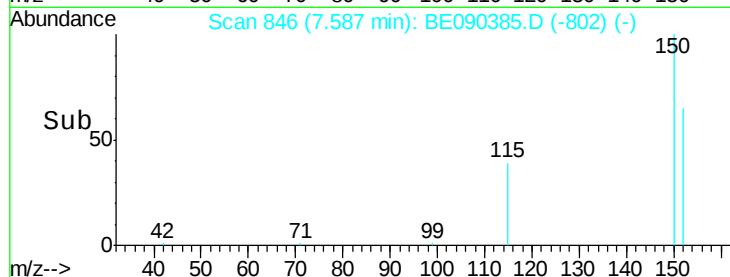
115 60.0 48.9 73.3



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: 3.22 min Scan# 92

Delta R.T. 0.03 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

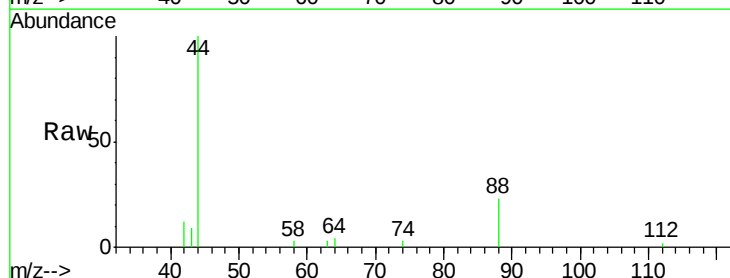
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

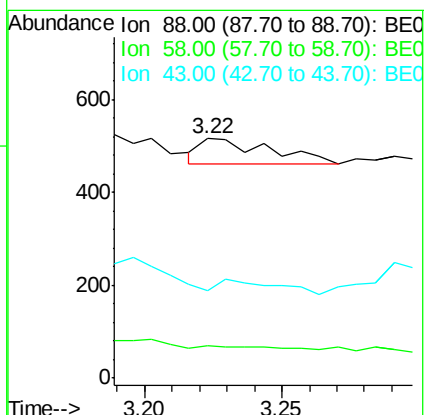
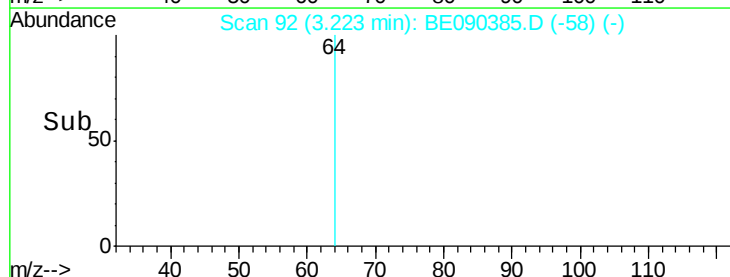
43 44.9 28.4 42.6#



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: 0.03 ng

RT: 3.47 min Scan# 128

Delta R.T. -0.03 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

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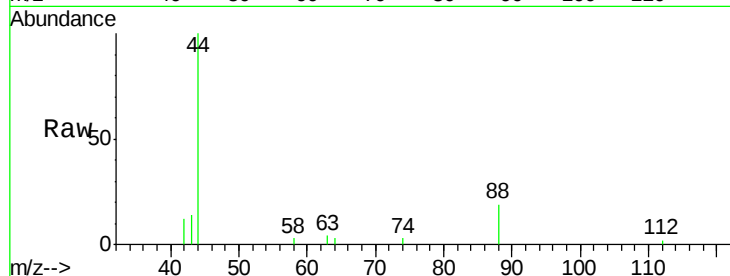
Tgt Ion: 42 Resp: 114

Ion Ratio Lower Upper

42 100

74 2.6 75.2 112.8#

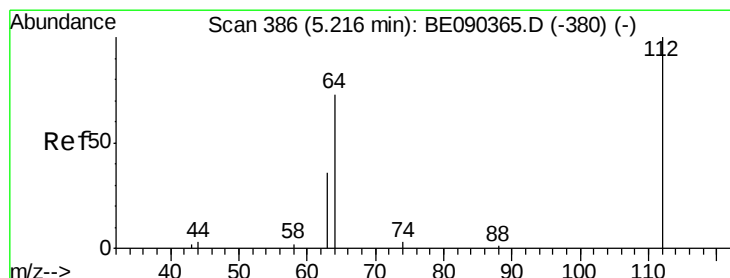
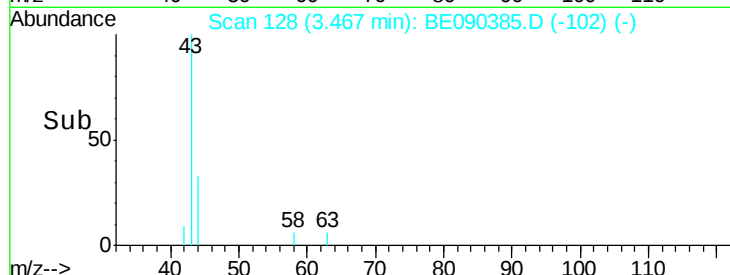
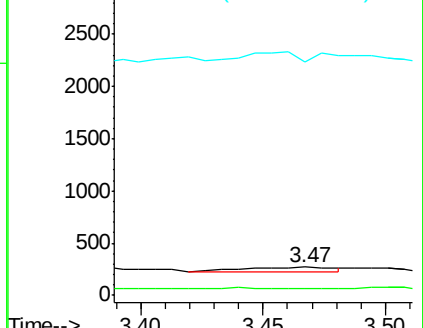
44 122.8 8.7 13.1#



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: 3.04 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

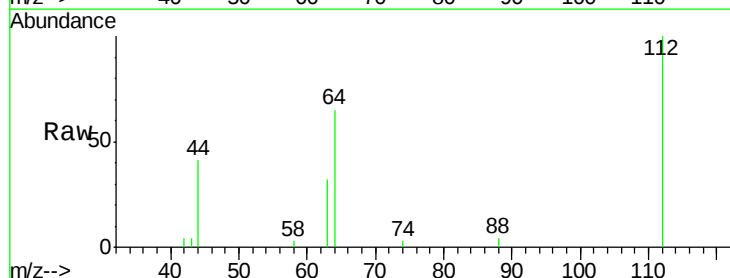
Tgt Ion: 112 Resp: 11710

Ion Ratio Lower Upper

112 100

64 71.3 37.1 55.7#

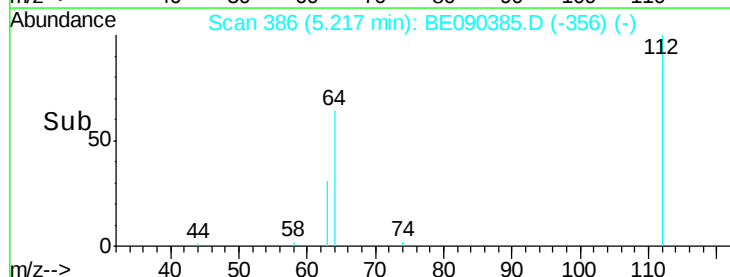
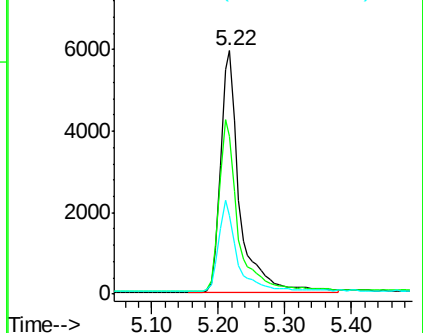
63 36.7 19.5 29.3#

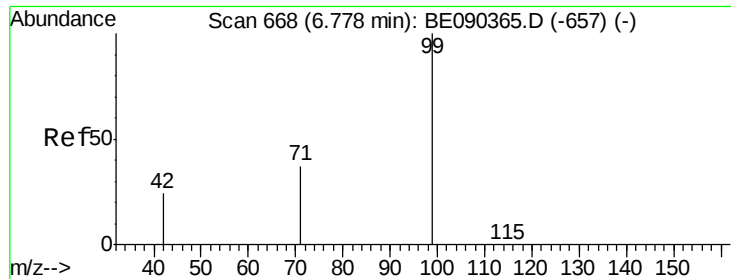


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.42 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

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ClientSampleId :

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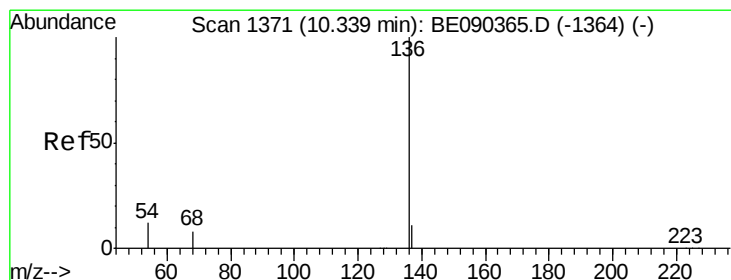
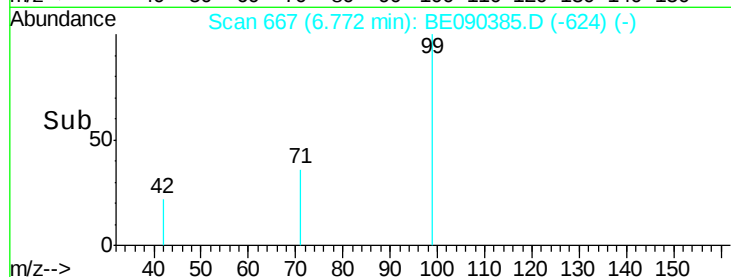
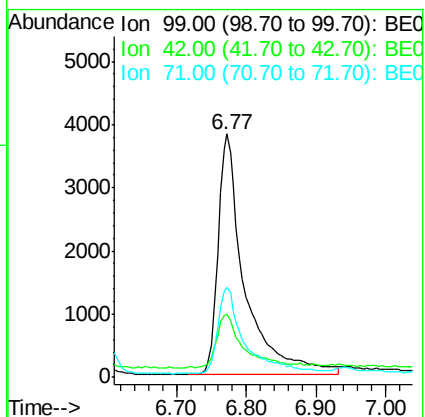
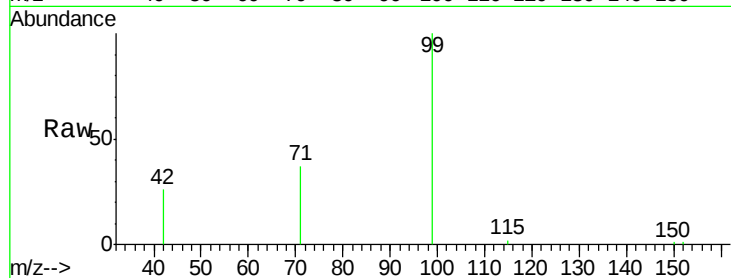
Tgt Ion: 99 Resp: 10119

Ion Ratio Lower Upper

99 100

42 22.3 18.2 27.4

71 36.8 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: BE090385.D

Acq: 6 Aug 2015 12:22

Tgt Ion: 136 Resp: 112417

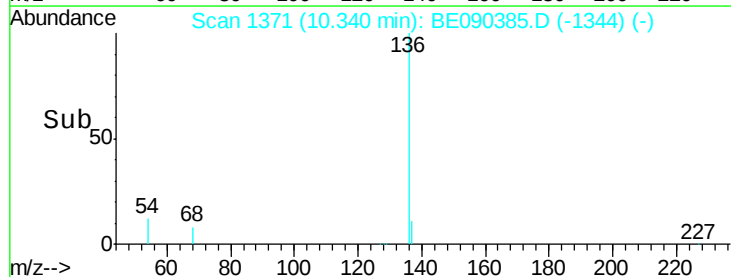
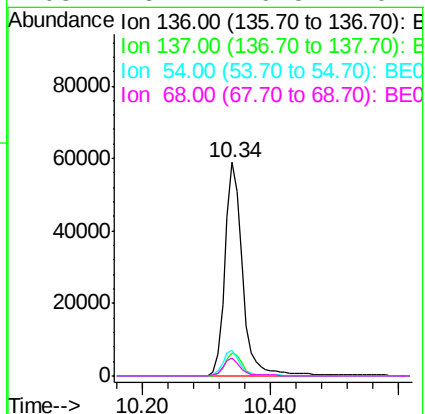
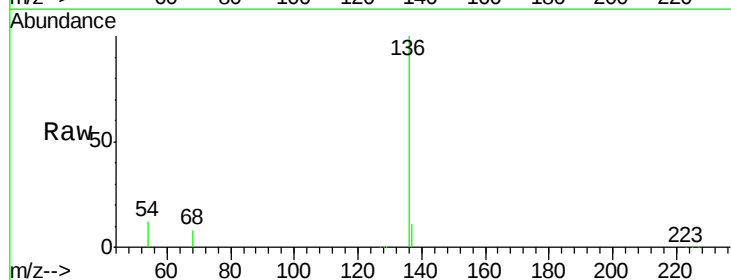
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.7 9.4 14.0

68 8.2 6.5 9.7





#7

Nitrobenzene-d5

Concen: 3.23 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-U-MRE

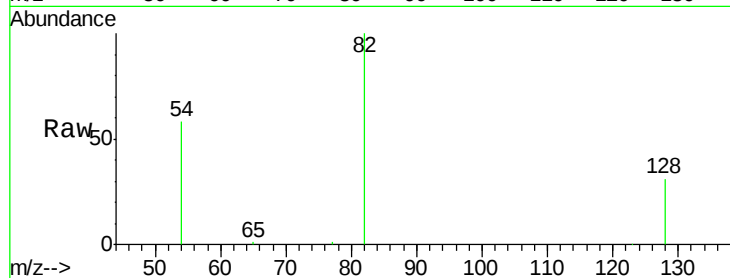
Tgt Ion: 82 Resp: 28925

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.6

54 57.5 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

8.73

15000

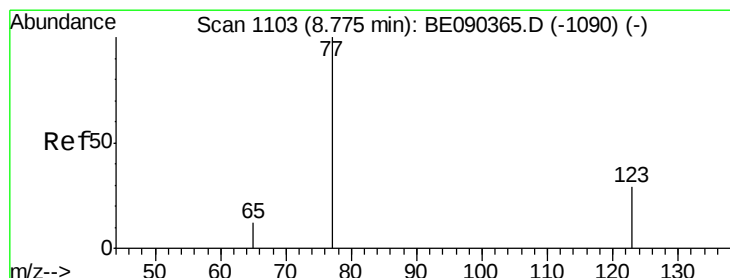
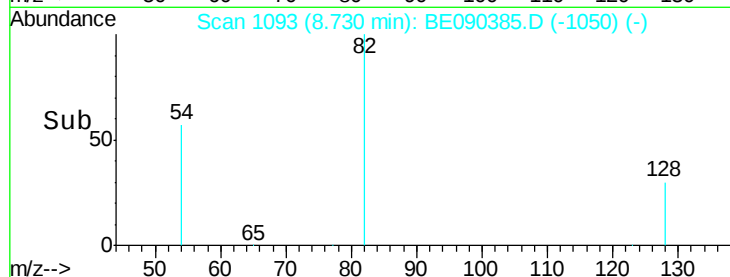
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

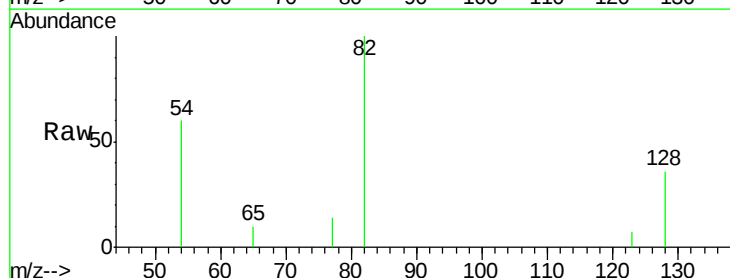
Tgt Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 50.0 25.1 37.7#

65 75.0 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

8.80

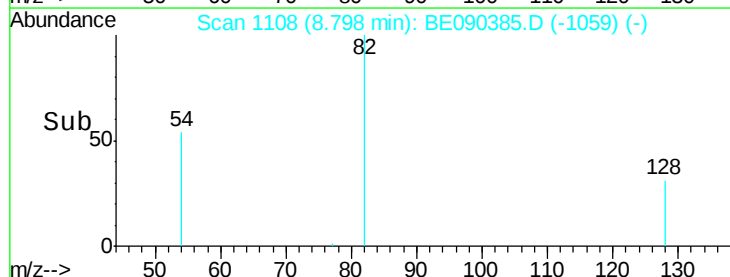
100

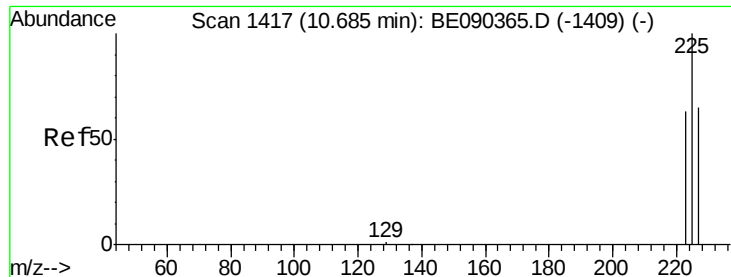
50

0

Time-->

8.79 8.80 8.81

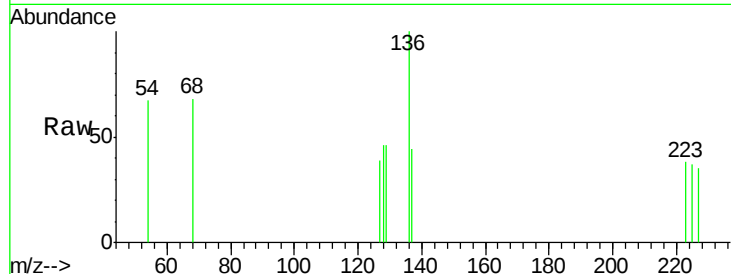




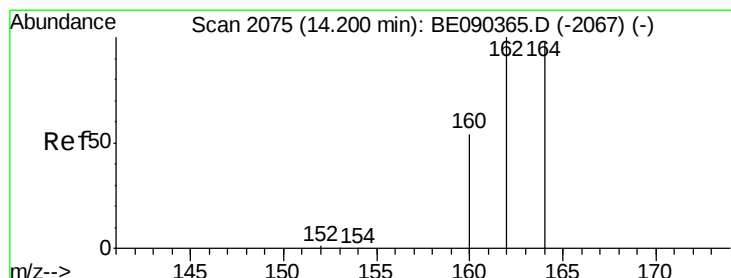
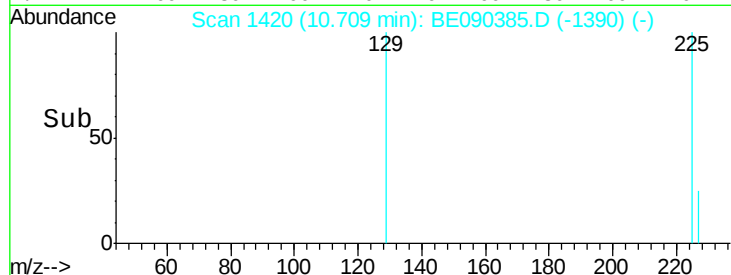
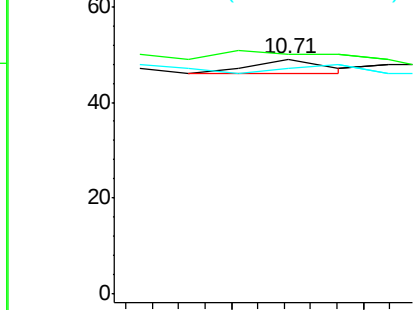
#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.71 min Scan# 1420
Delta R.T. 0.02 min
Lab File: BE090385.D
Acq: 6 Aug 2015 12:22

Instrument :
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Tgt Ion: 225 Resp: 2
Ion Ratio Lower Upper
225 100
223 200.0 50.6 75.8#
227 100.0 50.7 76.1#

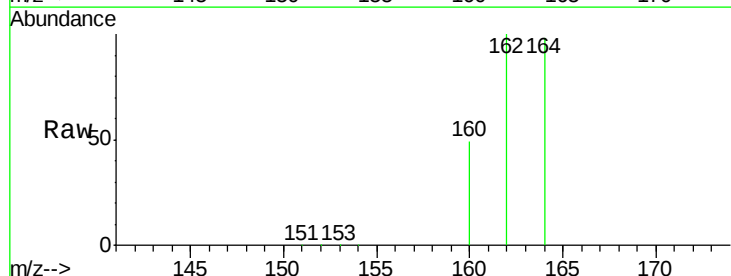


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

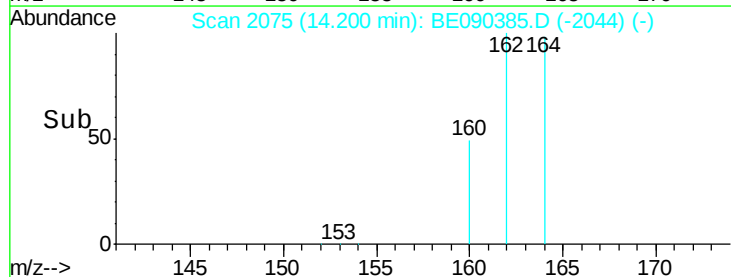
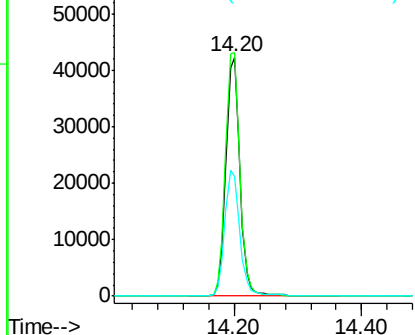


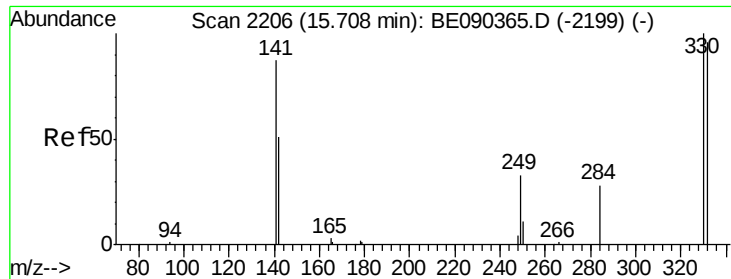
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090385.D
Acq: 6 Aug 2015 12:22

Tgt Ion: 164 Resp: 64480
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.8
160 50.1 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

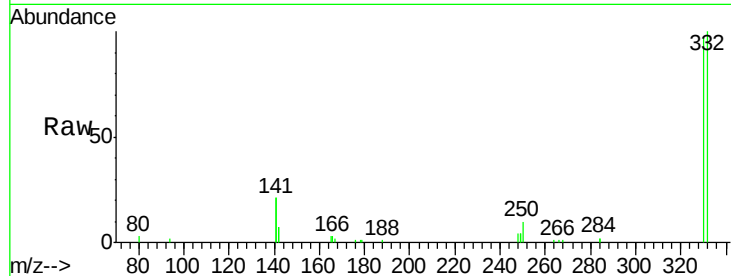




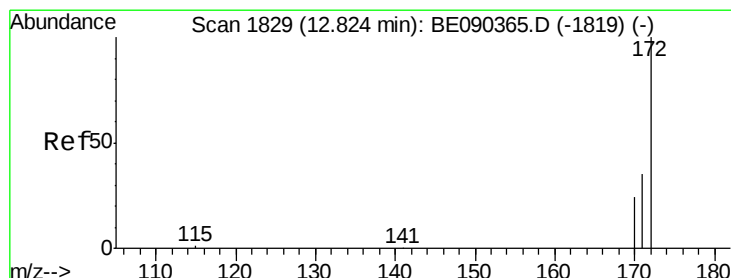
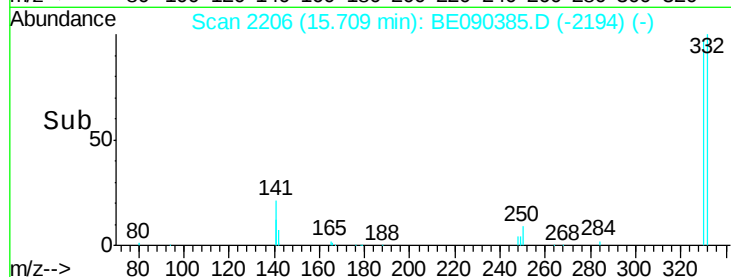
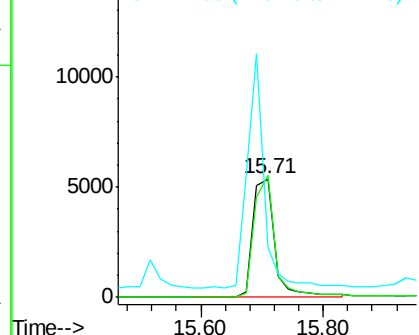
#13
 2,4,6-Tribromophenol
 Concen: 6.98 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

Instrument :
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Tgt Ion:330 Resp: 12924
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.8 113.6
 141 159.4 114.4 171.6

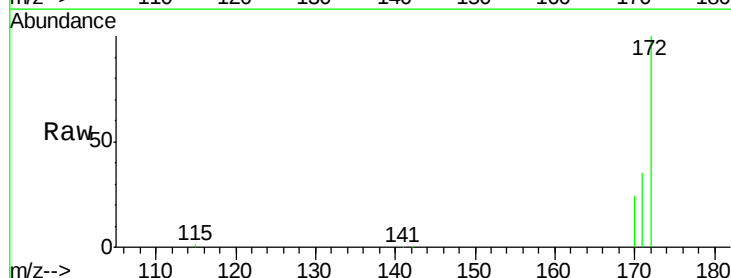


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

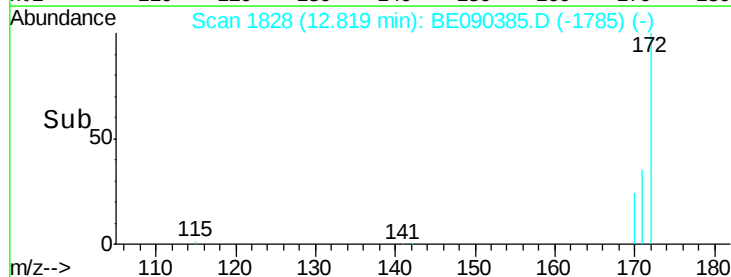
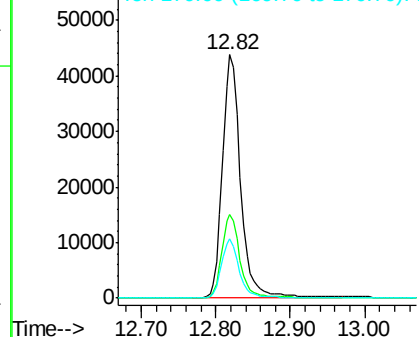


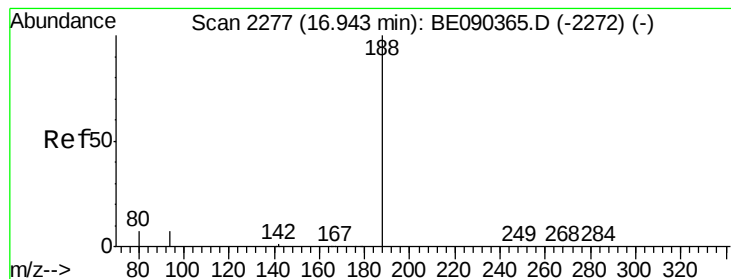
#14
 2-Fluorobiphenyl
 Concen: 4.18 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

Tgt Ion:172 Resp: 74070
 Ion Ratio Lower Upper
 172 100
 171 34.6 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: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

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ClientSampleId :

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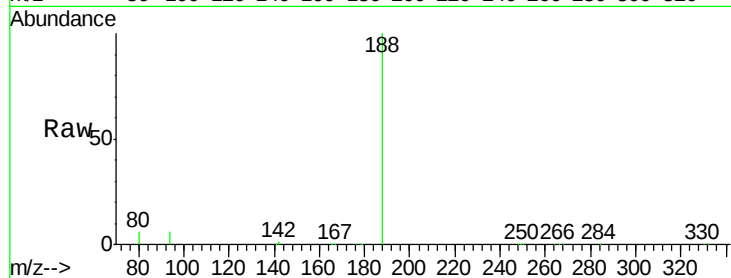
Tgt Ion:188 Resp: 151385

Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

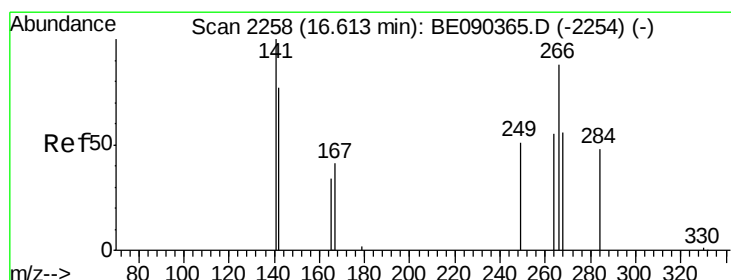
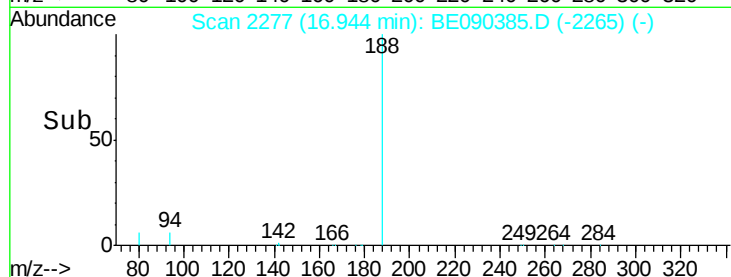
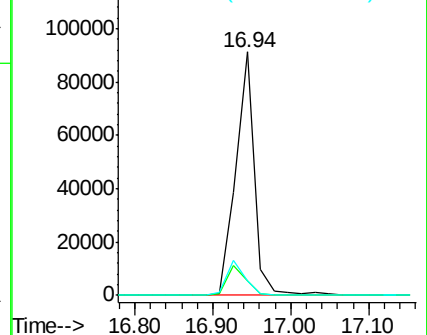
80 6.1 5.8 8.8



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: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

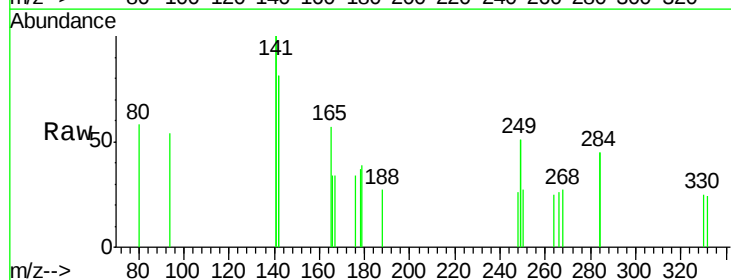
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 103.7 58.5 87.7#

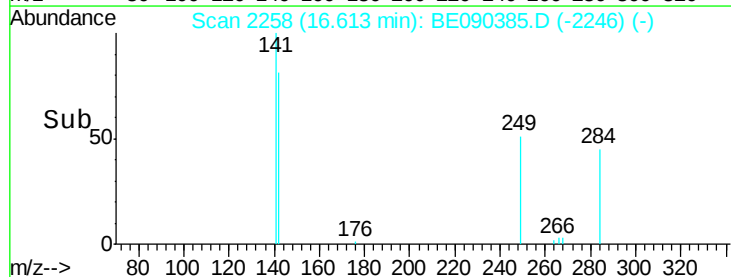
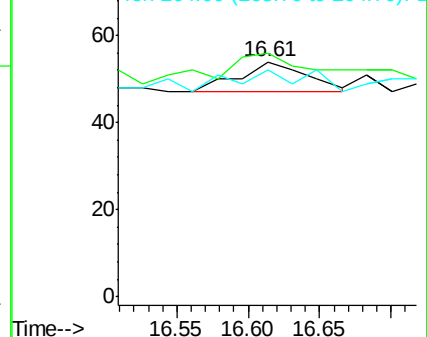
264 96.3 56.0 84.0#

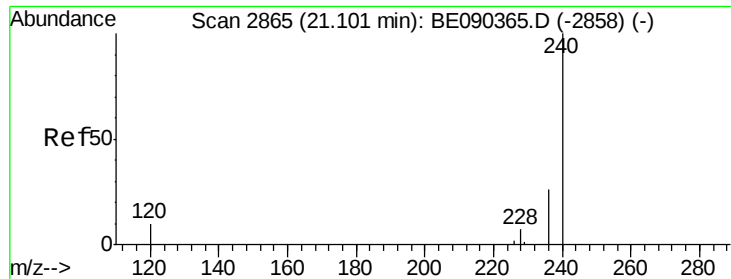


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2865

Delta R.T. -0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-U-MRE

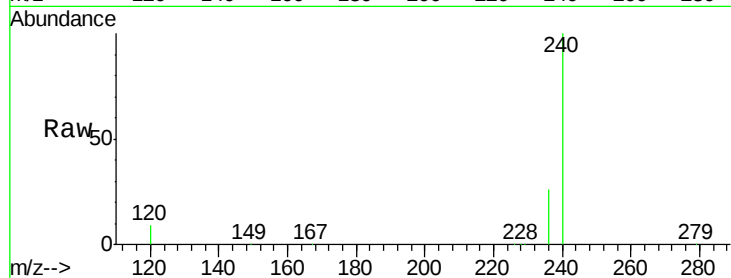
Tgt Ion:240 Resp: 184621

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

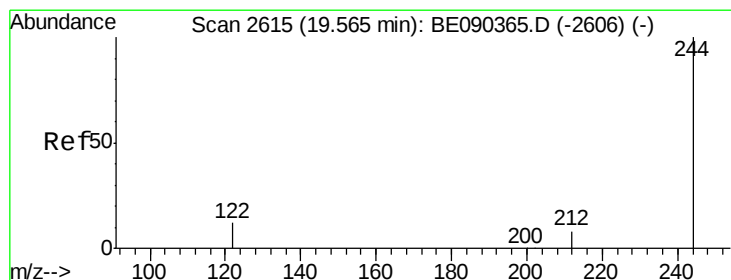
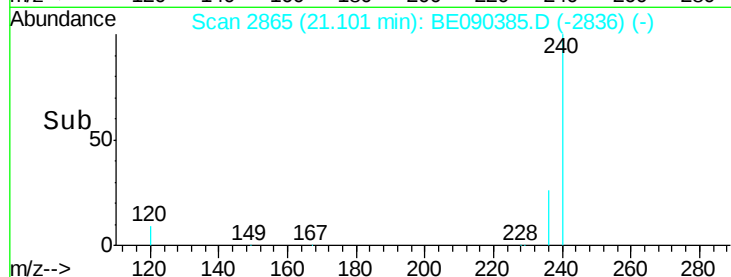
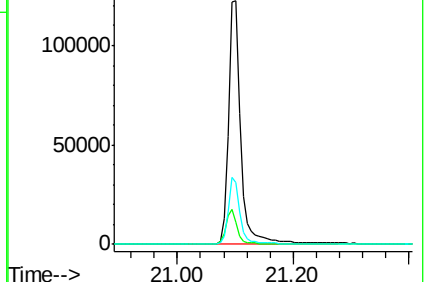
236 25.7 21.0 31.4



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: 5.19 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

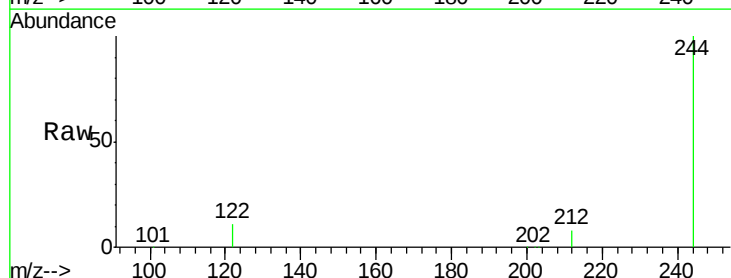
Tgt Ion:244 Resp: 141226

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

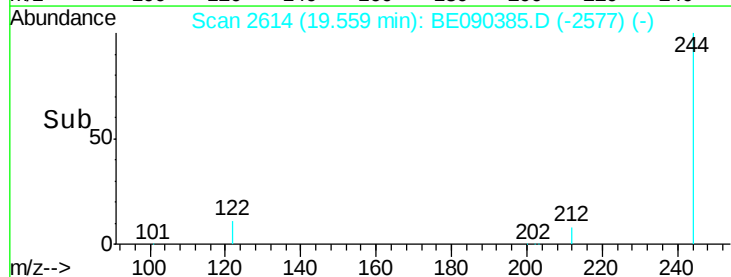
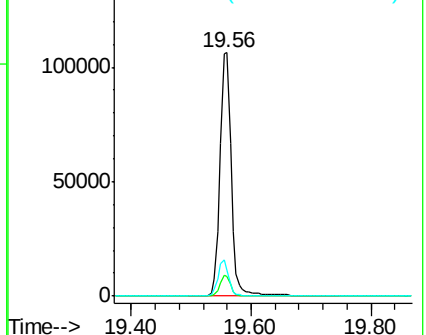
122 10.8 10.2 15.4

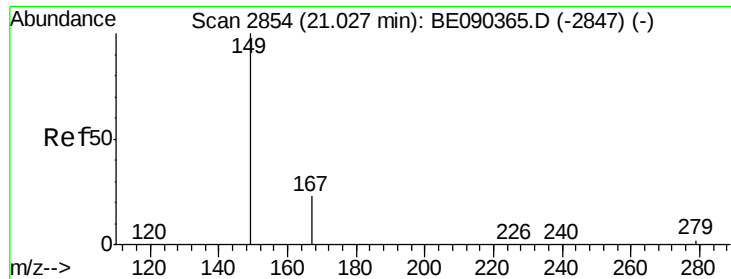


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

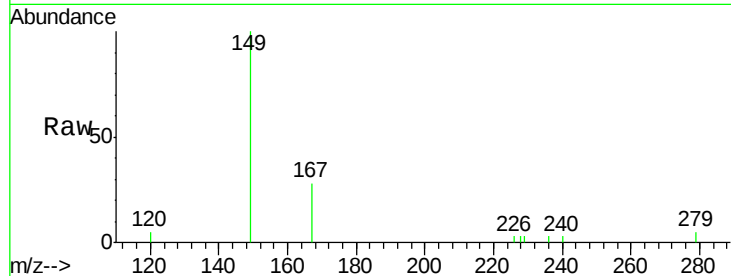




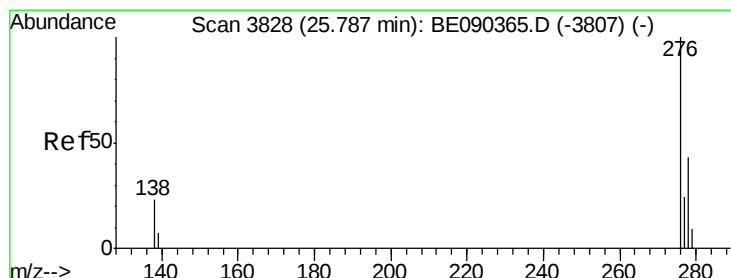
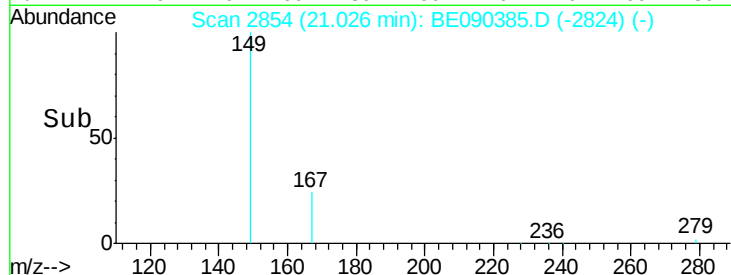
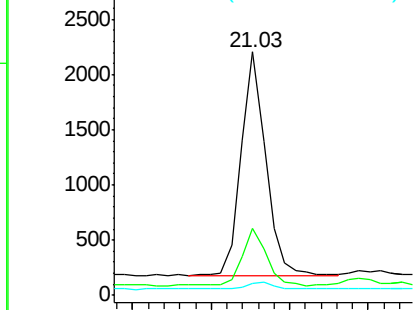
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-U-MRE

Tgt Ion: 149 Resp: 2212
 Ion Ratio Lower Upper
 149 100
 167 25.1 19.8 29.8
 279 3.8 2.4 3.6#

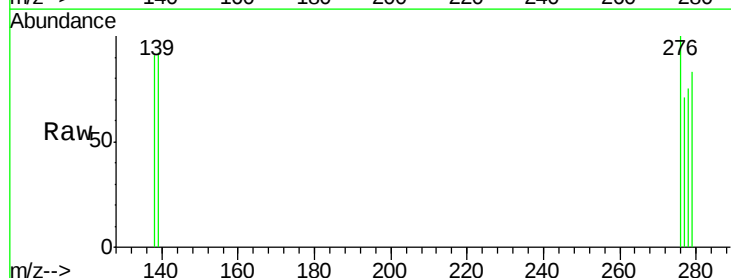


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

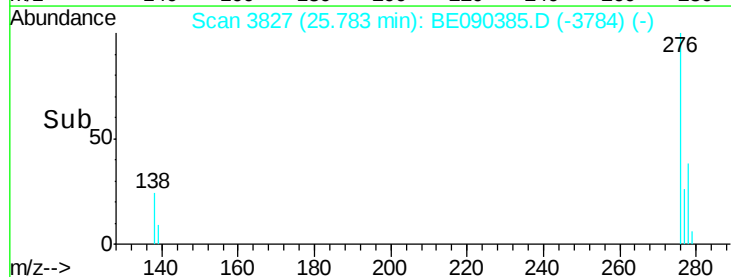
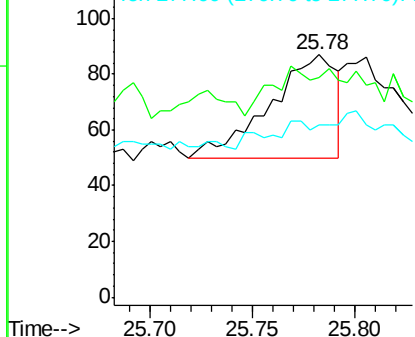


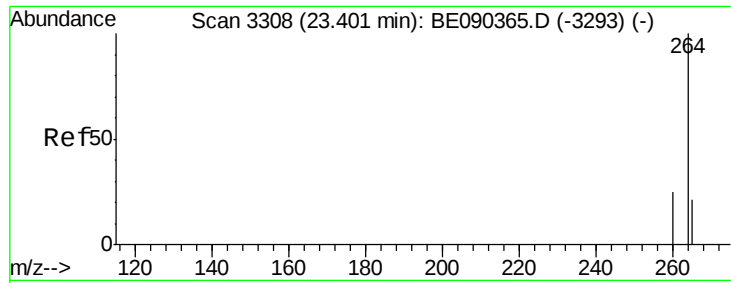
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.25 ng
 RT: 25.78 min Scan# 3827
 Delta R.T. -0.00 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

Tgt Ion: 276 Resp: 84
 Ion Ratio Lower Upper
 276 100
 138 26.2 18.8 28.2
 277 7.1 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

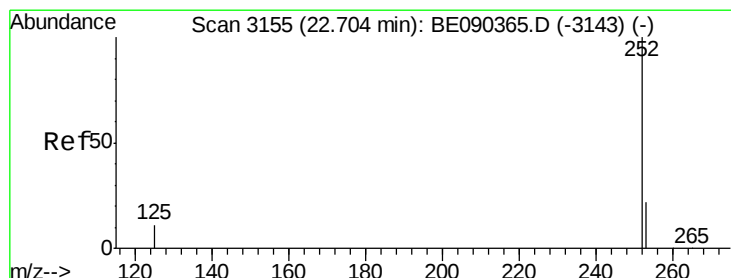
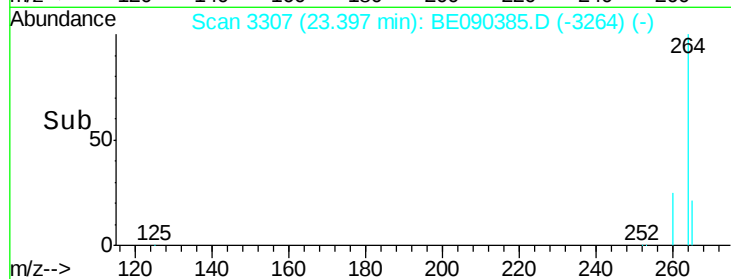
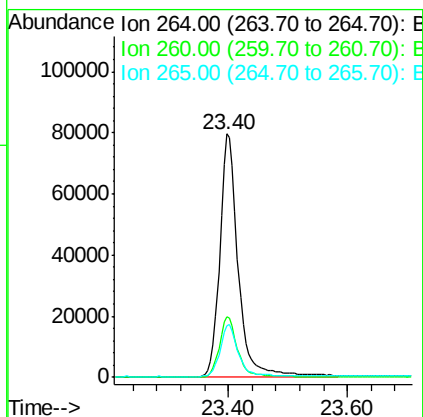
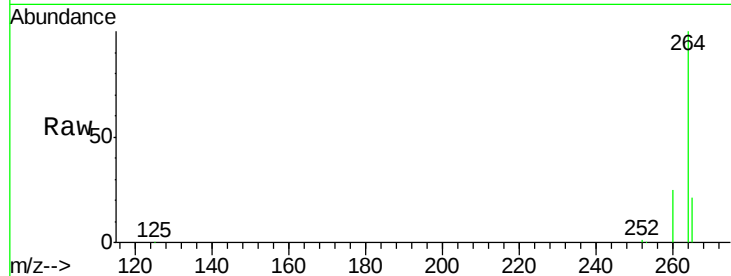




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

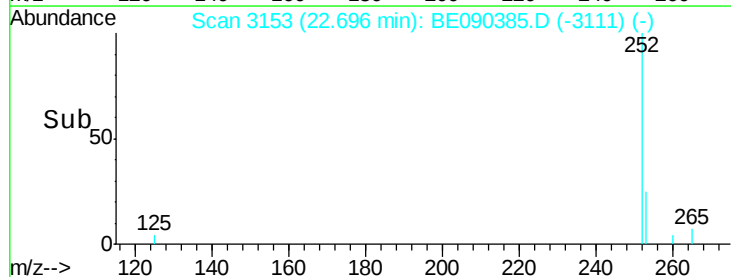
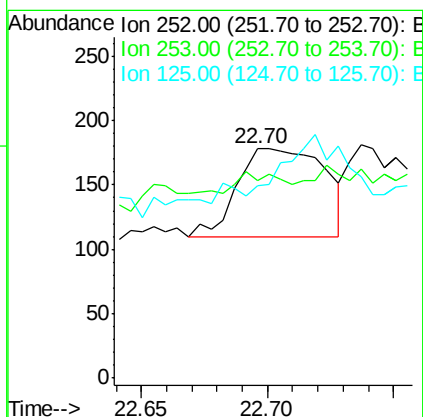
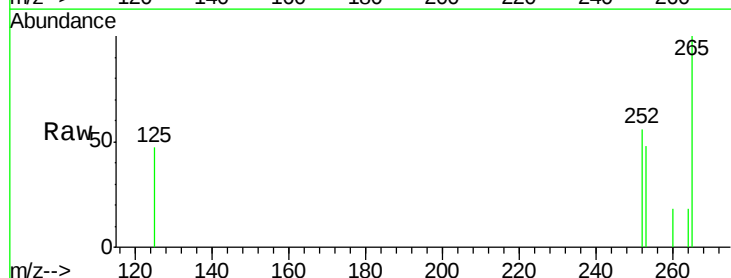
Instrument :
 BNA_E
 ClientSampleId :
 080115-D506-E-U-MRE

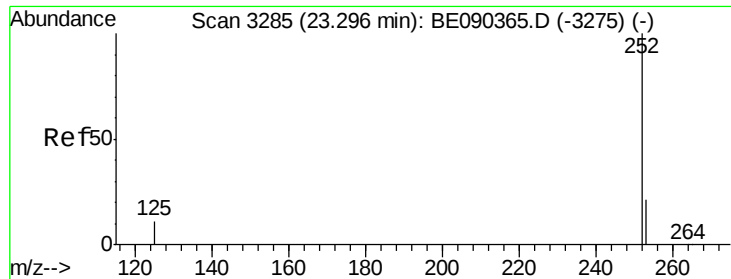
Tgt Ion: 264 Resp: 172569
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 21.4 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BE090385.D
 Acq: 6 Aug 2015 12:22

Tgt Ion: 252 Resp: 164
 Ion Ratio Lower Upper
 252 100
 253 86.0 18.1 27.1#
 125 83.7 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

Instrument :

BNA_E

ClientSampleId :

080115-D506-E-U-MRE

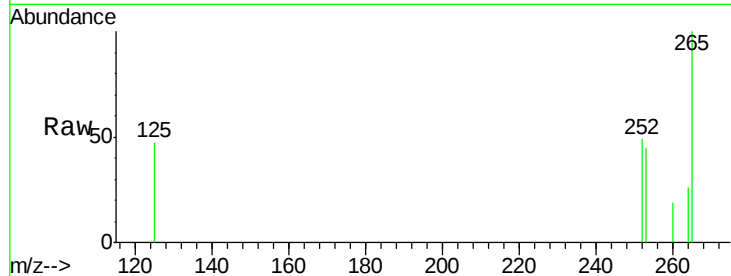
Tgt Ion:252 Resp: 103

Ion Ratio Lower Upper

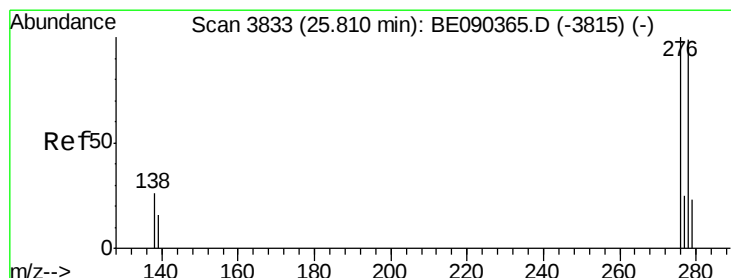
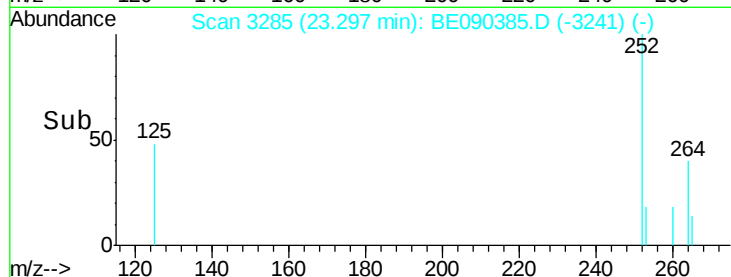
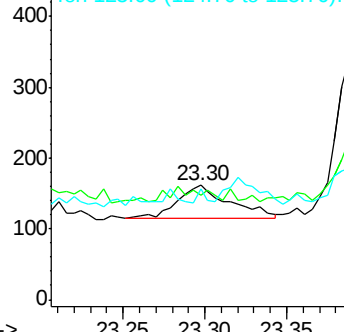
252 100

253 91.3 17.6 26.4#

125 96.9 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: 25.81 min Scan# 3833

Delta R.T. 0.00 min

Lab File: BE090385.D

Acq: 6 Aug 2015 12:22

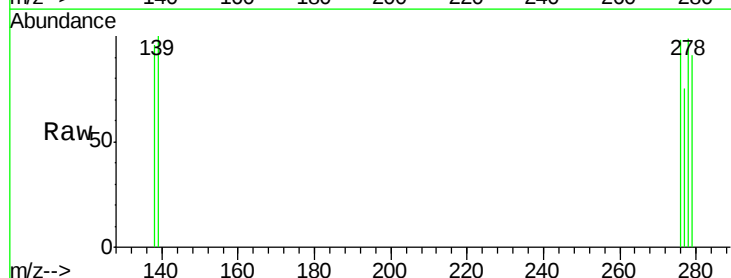
Tgt Ion:278 Resp: 115

Ion Ratio Lower Upper

278 100

139 101.3 14.2 21.4#

279 92.4 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

