

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088139.D
 Acq On : 21 Oct 2014 13:01
 Operator : TP/JJ
 Sample : F4351-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101614-SW

Quant Time: Oct 21 15:15:07 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

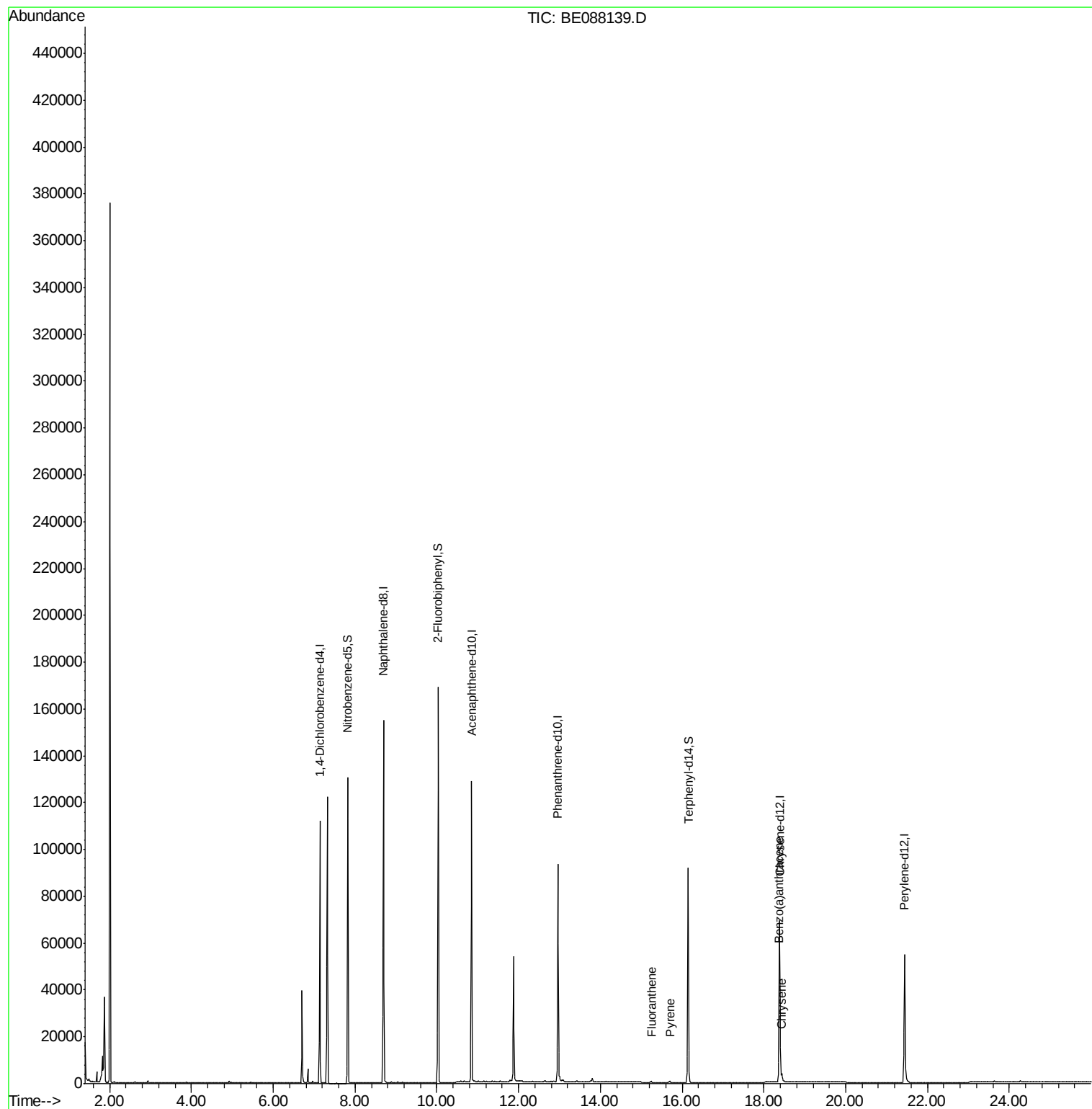
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	35380	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	132437	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	61002	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	112969	5.00	ng	0.00
16) Chrysene-d12	18.38	240	80670	5.00	ng	0.00
22) Perylene-d12	21.44	264	74892	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	65022	6.81	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	113901	6.76	ng	0.00
18) Terphenyl-d14	16.14	244	118471	9.13	ng	0.00
Target Compounds						Qvalue
15) Fluoranthene	15.24	202	1185	0.06	ng	98
17) Pyrene	15.70	202	1196	0.05	ng	99
19) Benzo(a)anthracene	18.36	228	3725	0.05	ng	# 85
20) Chrysene	18.43	228	4469	0.06	ng	# 87

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

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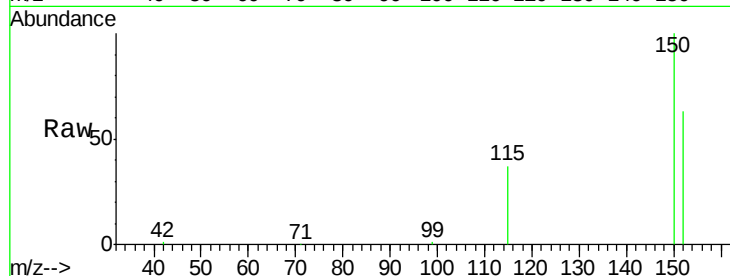
Tgt Ion:152 Resp: 35380

Ion Ratio Lower Upper

152 100

150 158.5 129.2 193.8

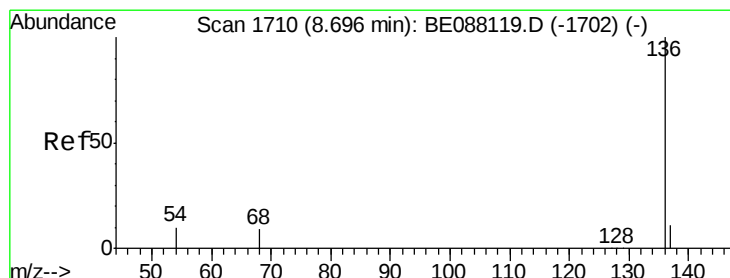
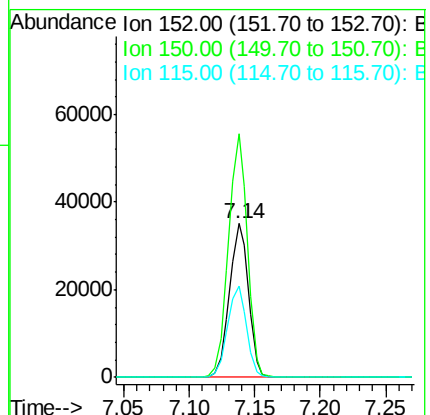
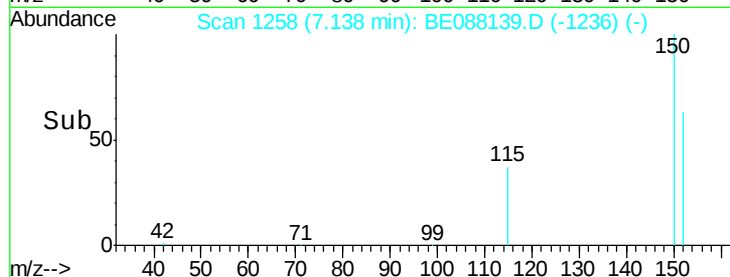
115 59.3 49.3 73.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

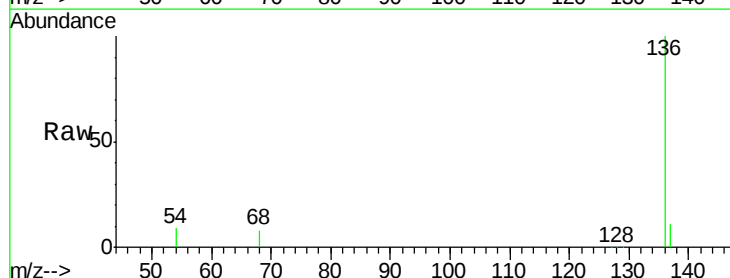
Tgt Ion:136 Resp: 132437

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

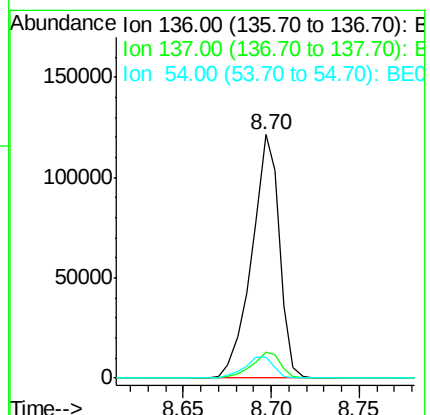
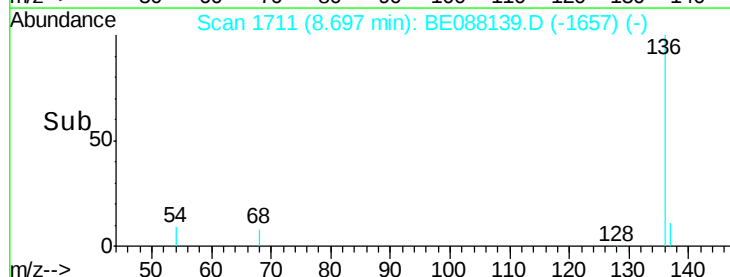
54 8.8 7.7 11.5

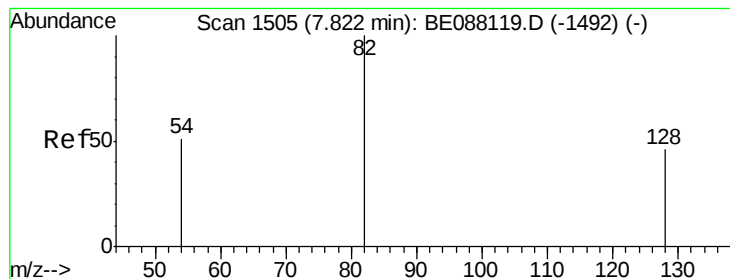


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 6.81 ng

RT: 7.82 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

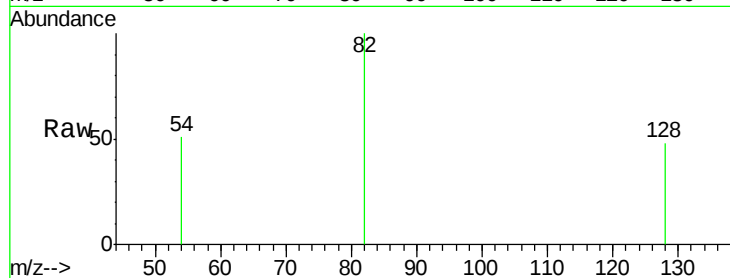
Tgt Ion: 82 Resp: 65022

Ion Ratio Lower Upper

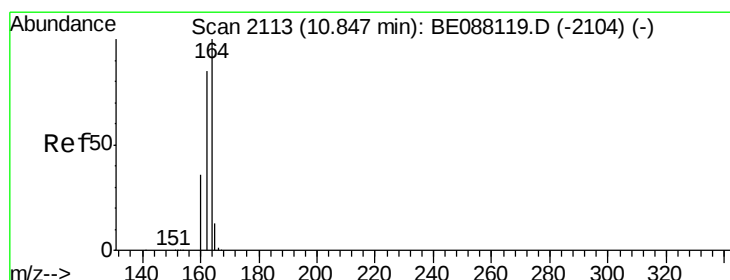
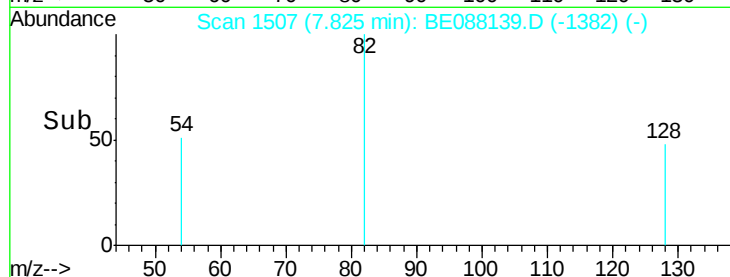
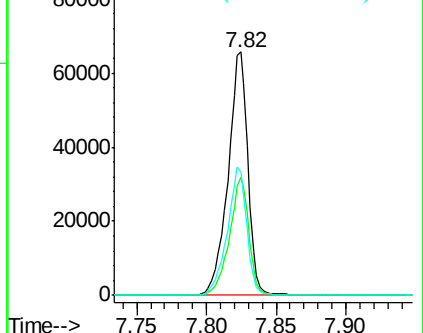
82 100

128 48.5 37.1 55.7

54 50.7 41.1 61.7



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



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

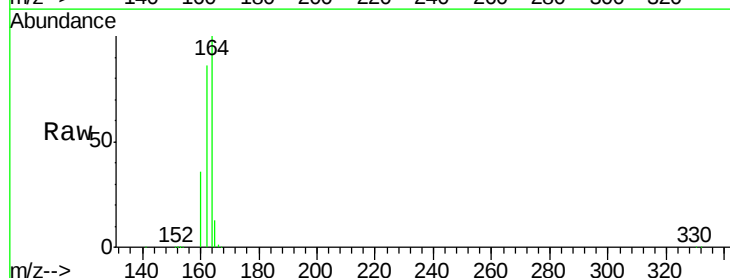
Tgt Ion: 164 Resp: 61002

Ion Ratio Lower Upper

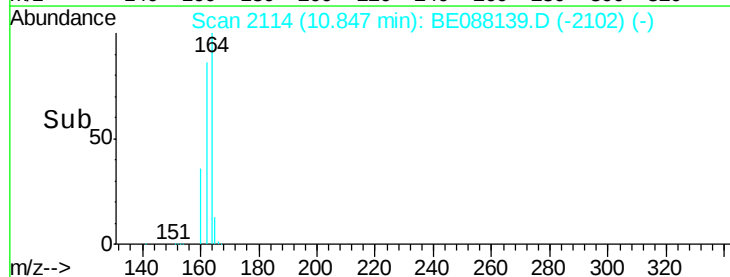
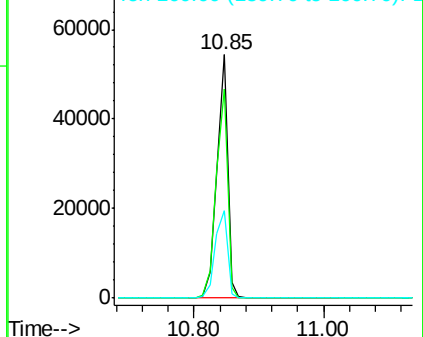
164 100

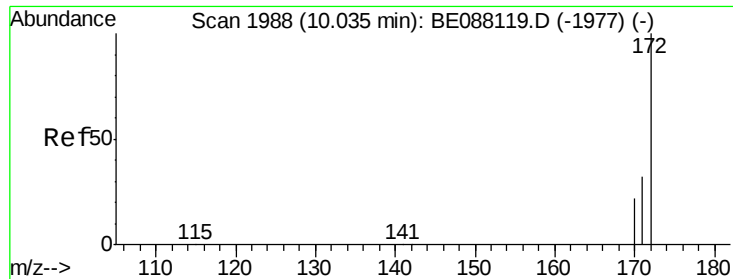
162 85.6 68.3 102.5

160 36.1 28.7 43.1



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





#8

2-Fluorobiphenyl

Concen: 6.76 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

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YS19-EB01-101614-SW

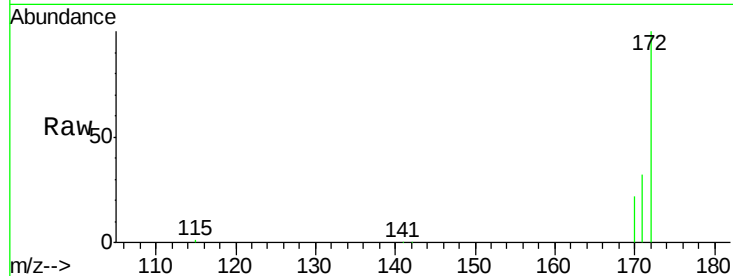
Tgt Ion:172 Resp: 113901

Ion Ratio Lower Upper

172 100

171 32.3 25.4 38.2

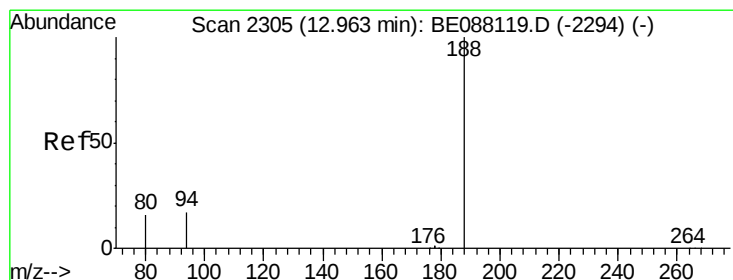
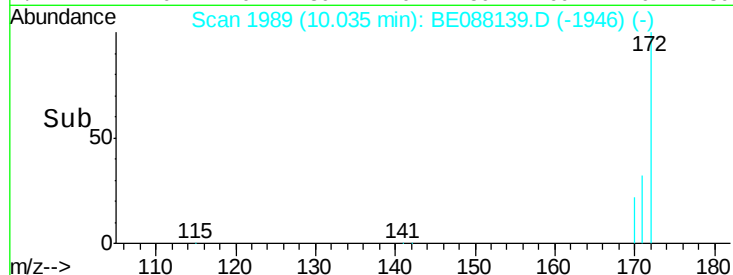
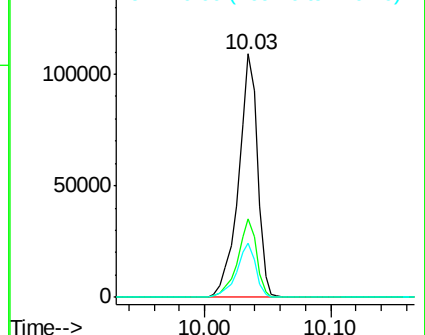
170 22.2 17.4 26.2



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

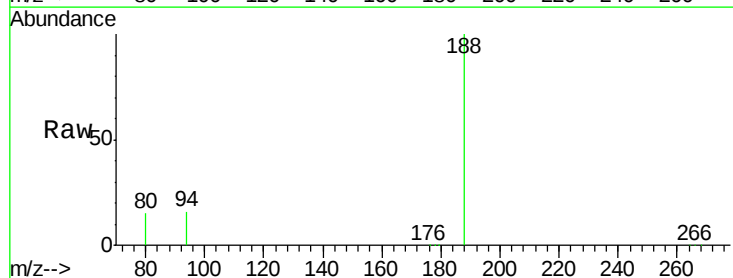
Tgt Ion:188 Resp: 112969

Ion Ratio Lower Upper

188 100

94 16.0 13.9 20.9

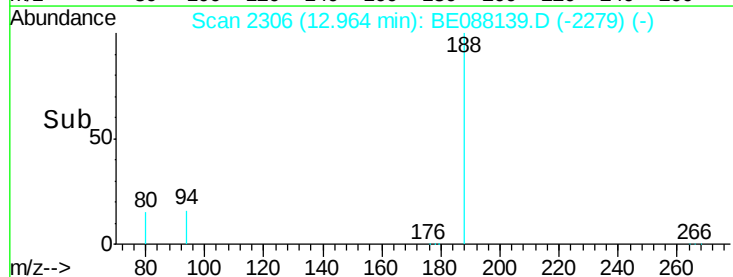
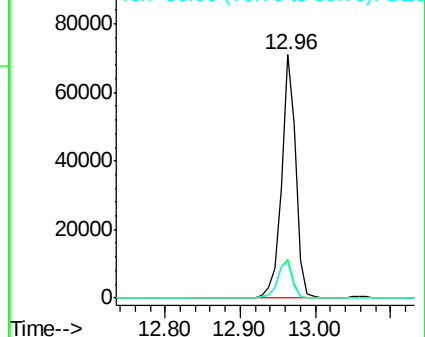
80 14.6 12.9 19.3

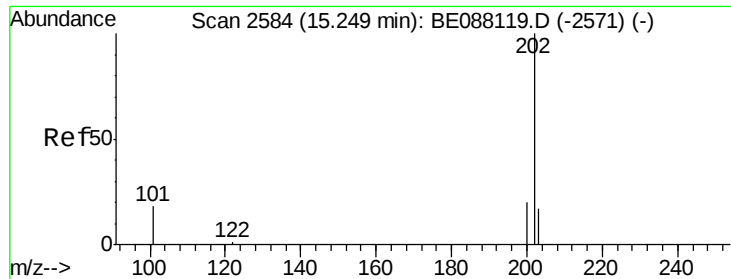


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

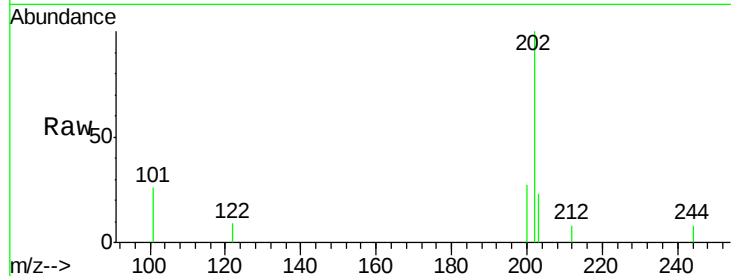




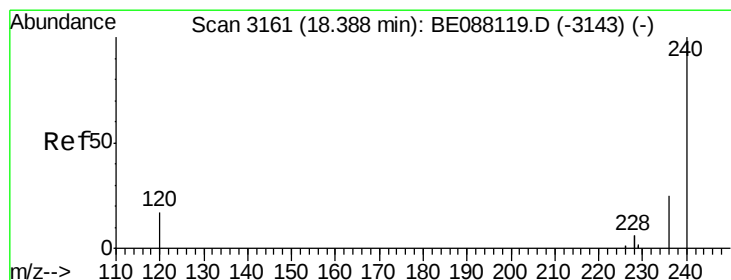
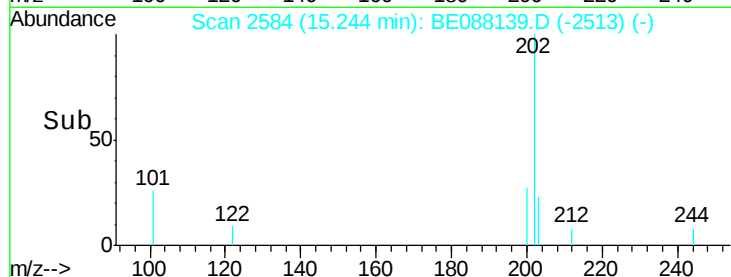
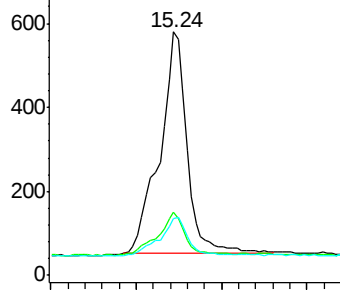
#15
 Fluoranthene
 Concen: 0.06 ng
 RT: 15.24 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088139.D
 Acq: 21 Oct 2014 13:01

Instrument :
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 YS19-EB01-101614-SW

Tgt Ion: 202 Resp: 1185
 Ion Ratio Lower Upper
 202 100
 101 17.2 14.8 22.2
 203 16.4 13.5 20.3

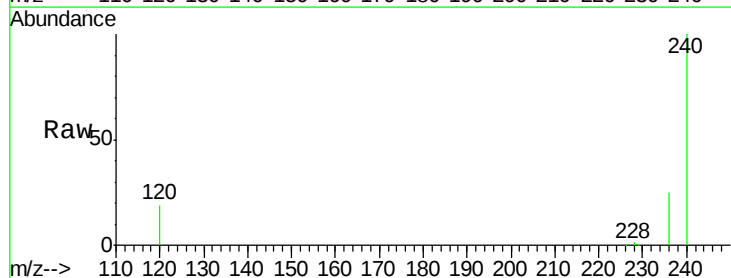


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

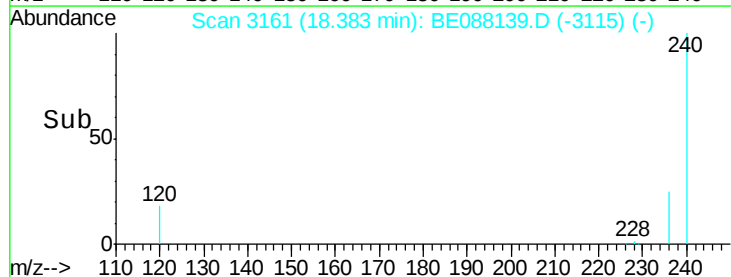
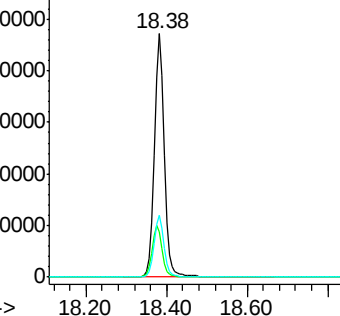


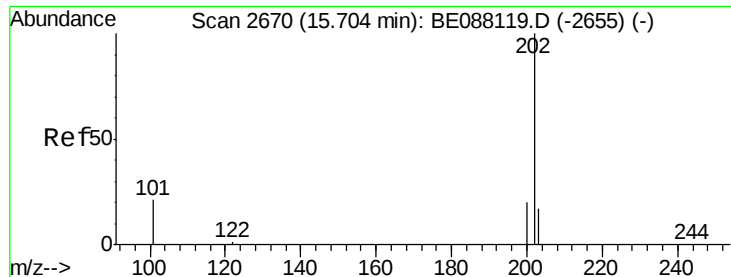
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE088139.D
 Acq: 21 Oct 2014 13:01

Tgt Ion: 240 Resp: 80670
 Ion Ratio Lower Upper
 240 100
 120 18.5 13.9 20.9
 236 25.5 19.9 29.9



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

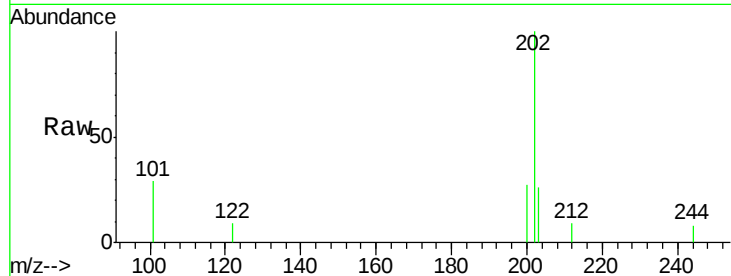




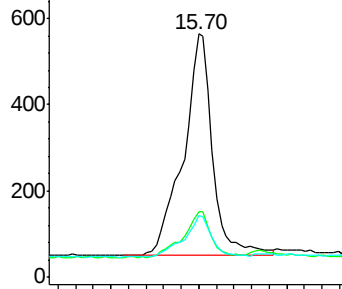
#17
 Pyrene
 Concen: 0.05 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. -0.00 min
 Lab File: BE088139.D
 Acq: 21 Oct 2014 13:01

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101614-SW

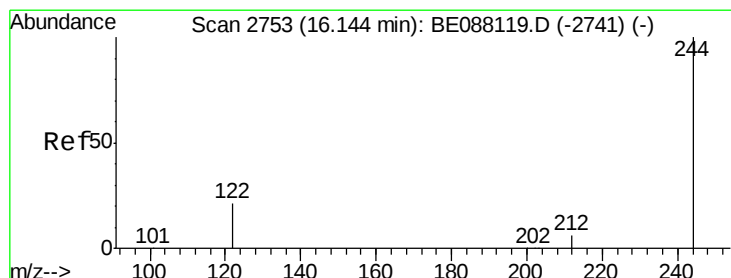
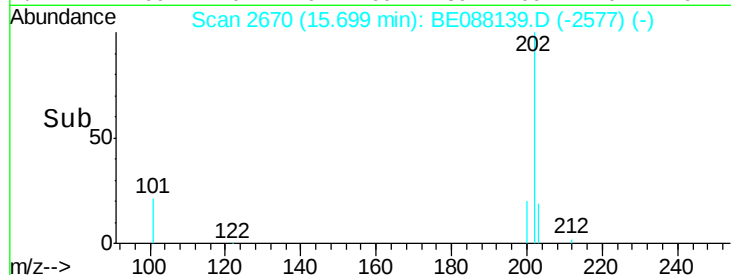
Tgt Ion: 202 Resp: 1196
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 17.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

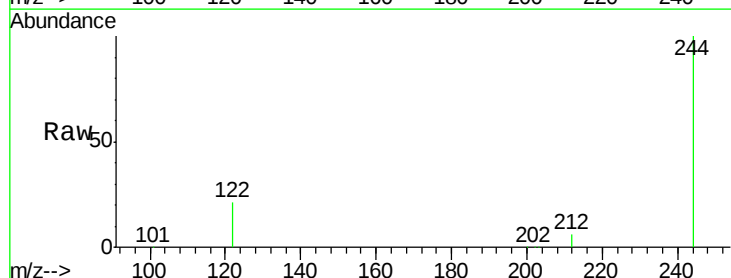


Time-->

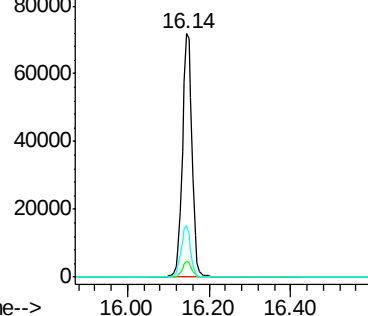


#18
 Terphenyl-d14
 Concen: 9.13 ng
 RT: 16.14 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088139.D
 Acq: 21 Oct 2014 13:01

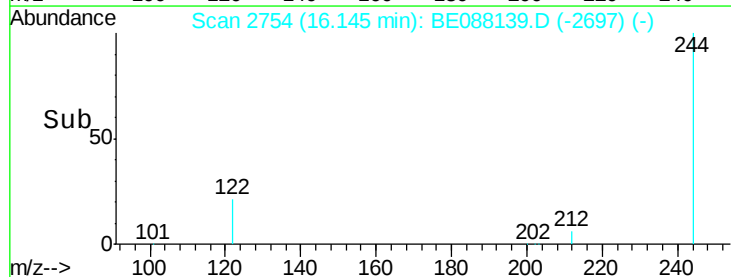
Tgt Ion: 244 Resp: 118471
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 21.1 17.5 26.3

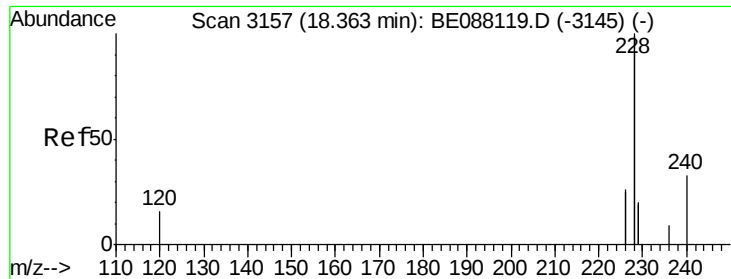


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->





#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

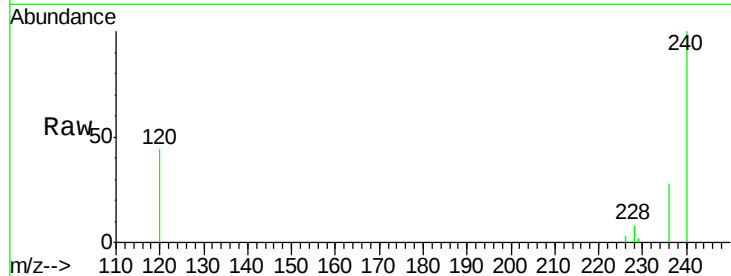
Tgt Ion:228 Resp: 3725

Ion Ratio Lower Upper

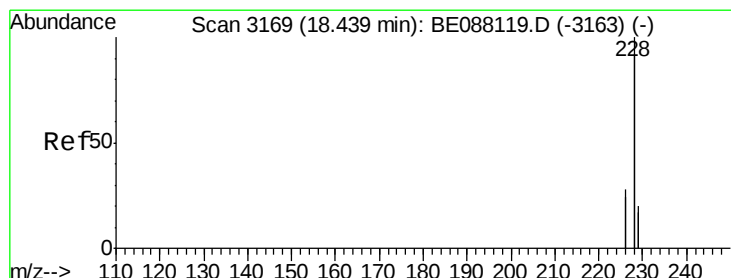
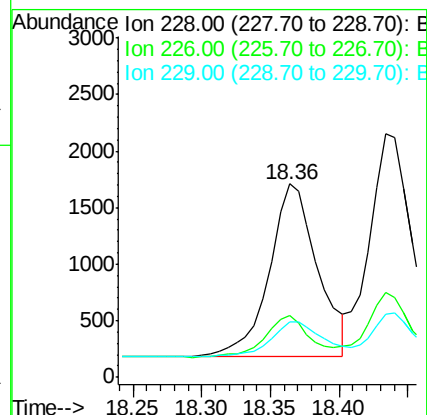
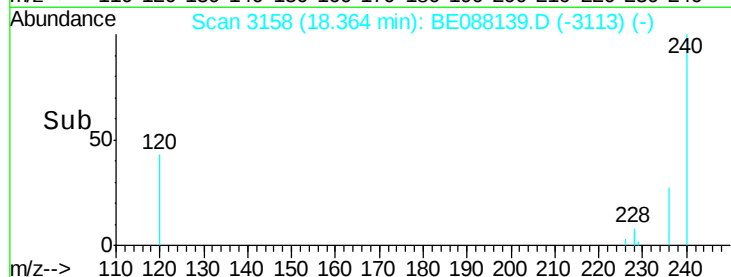
228 100

226 31.7 20.8 31.2#

229 28.9 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#20

Chrysene

Concen: 0.06 ng

RT: 18.43 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

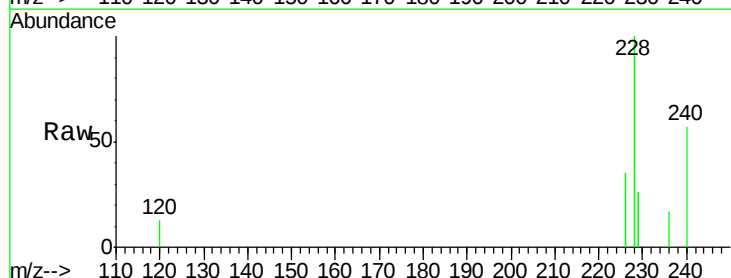
Tgt Ion:228 Resp: 4469

Ion Ratio Lower Upper

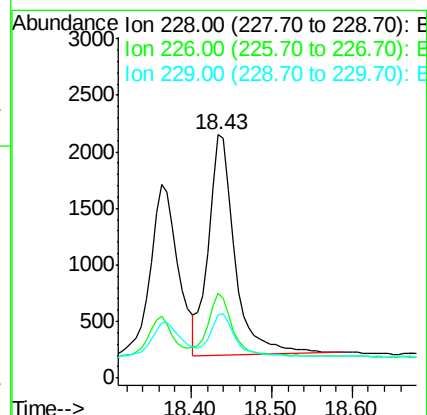
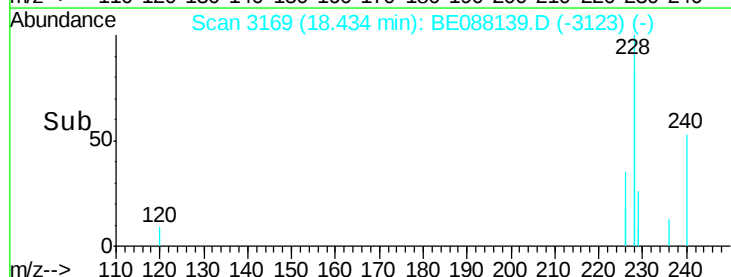
228 100

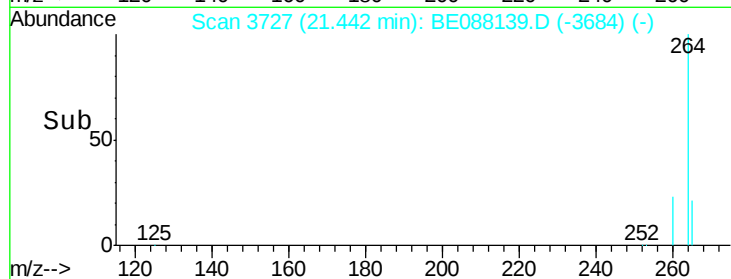
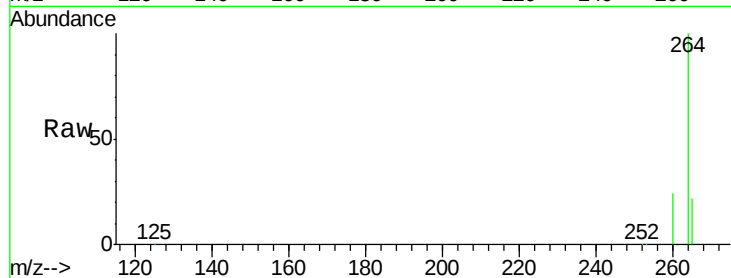
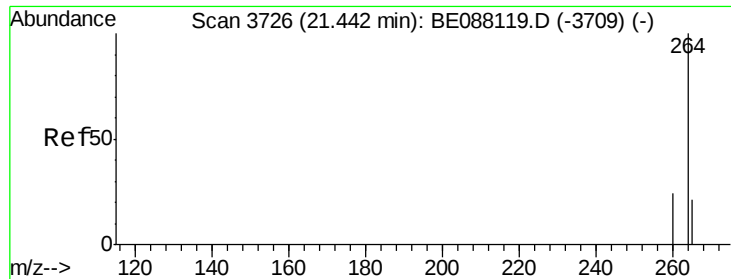
226 34.8 22.7 34.1#

229 26.0 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

Tgt Ion: 264 Resp: 74892

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.6 17.2 25.8

