

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088136.D
 Acq On : 21 Oct 2014 11:19
 Operator : TP/JJ
 Sample : F4322-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101514-SO

Quant Time: Oct 21 15:11:12 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

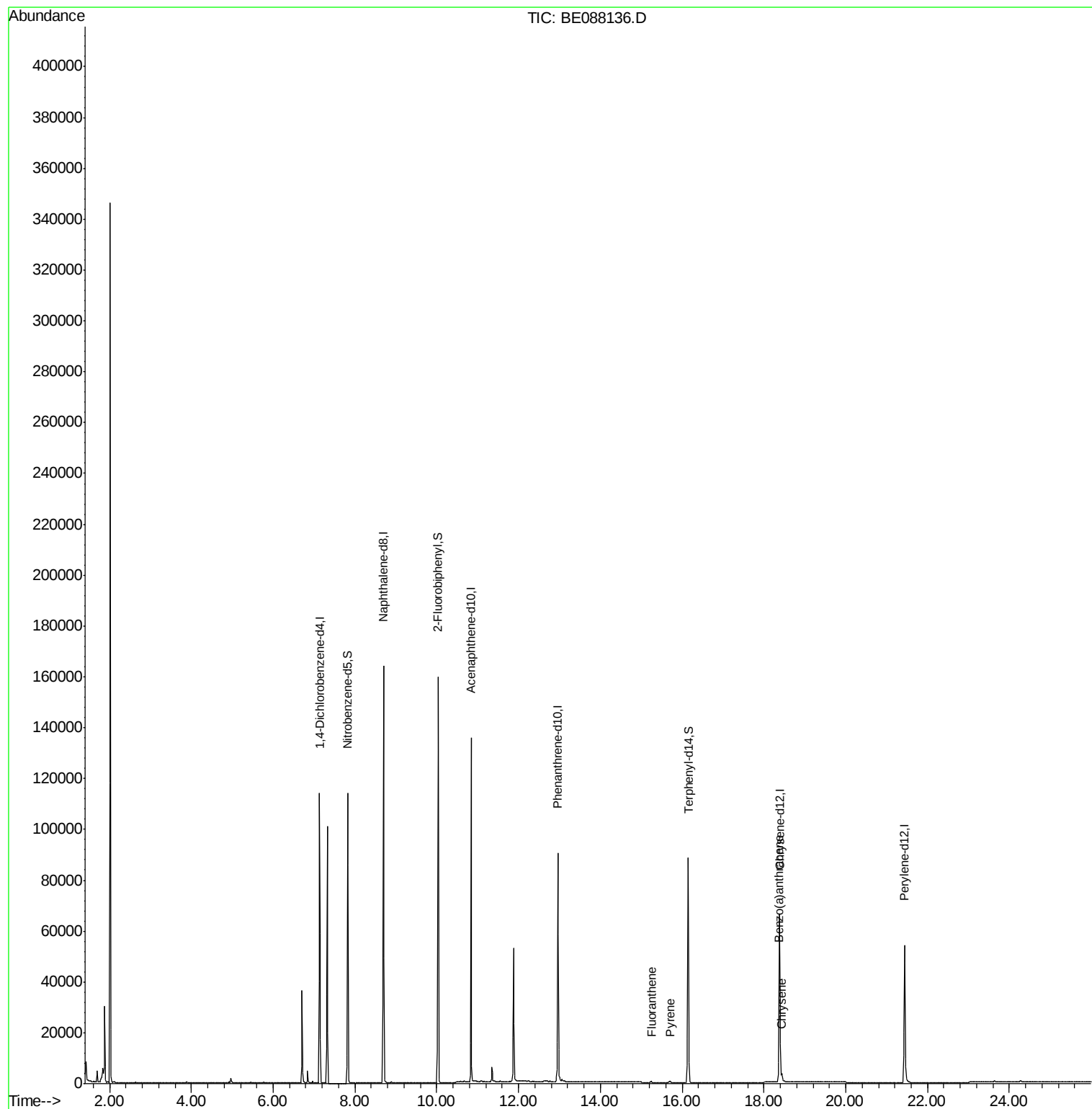
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	37728	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	140103	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	62378	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	112417	5.00	ng	0.00
16) Chrysene-d12	18.38	240	77127	5.00	ng	0.00
22) Perylene-d12	21.44	264	72952	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	57279	5.67	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	103216	5.99	ng	0.00
18) Terphenyl-d14	16.15	244	113486	9.14	ng	0.00
Target Compounds						Qvalue
15) Fluoranthene	15.25	202	1050	0.05	ng	95
17) Pyrene	15.70	202	1091	0.05	ng	99
19) Benzo(a)anthracene	18.36	228	3584	0.05	ng	# 82
20) Chrysene	18.43	228	3745	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: BE088136.D

Acq: 21 Oct 2014 11:19

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101514-SO

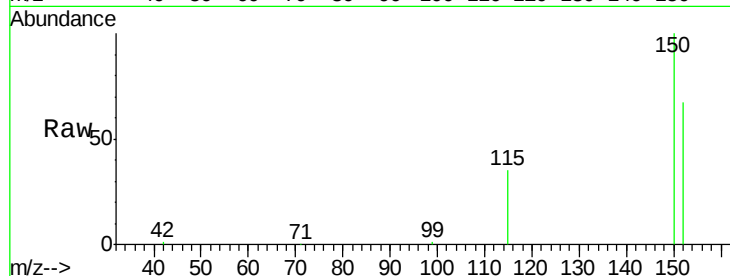
Tgt Ion:152 Resp: 37728

Ion Ratio Lower Upper

152 100

150 148.7 129.2 193.8

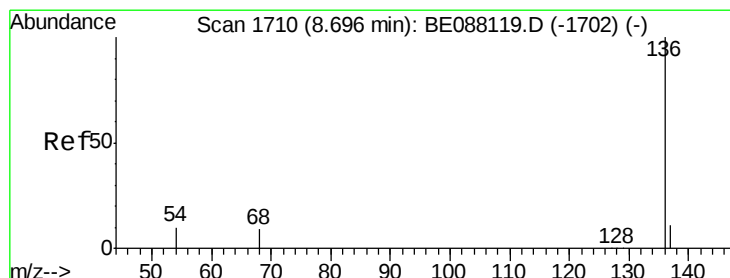
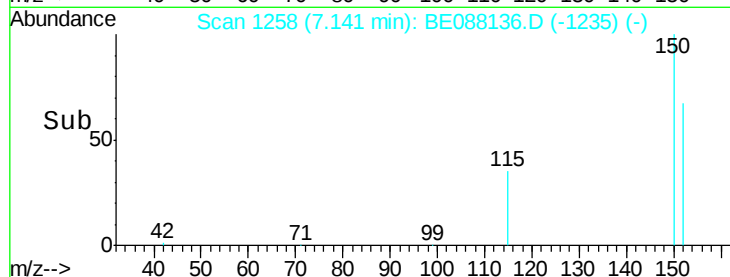
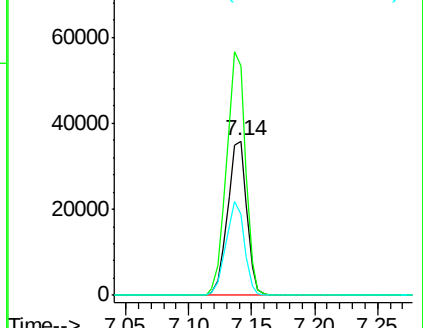
115 52.4 49.3 73.9



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: BE088136.D

Acq: 21 Oct 2014 11:19

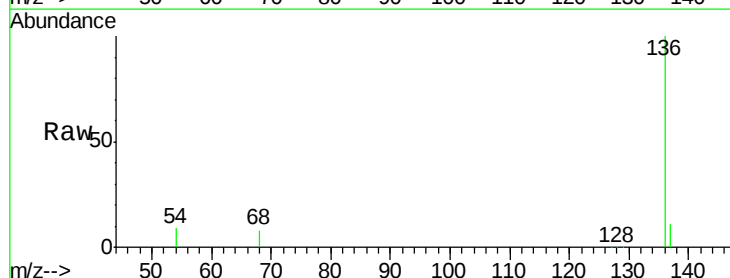
Tgt Ion:136 Resp: 140103

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

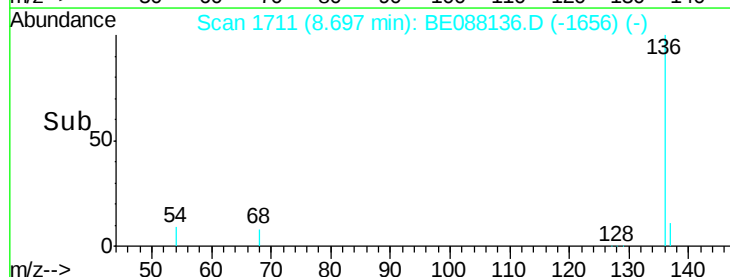
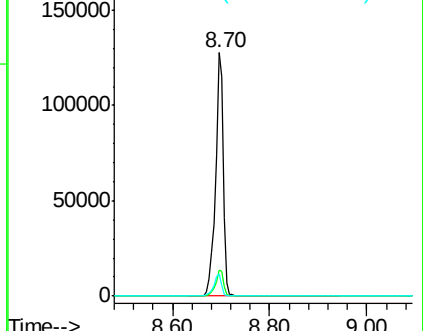
54 9.2 7.7 11.5

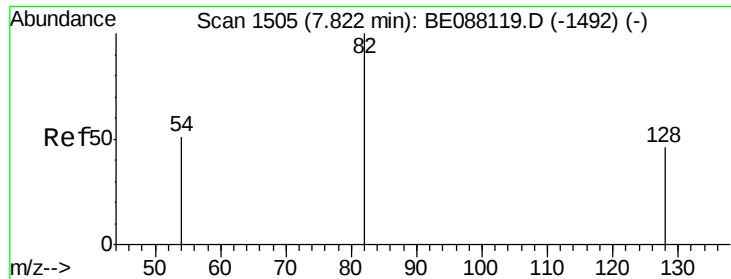


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 5.67 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088136.D

Acq: 21 Oct 2014 11:19

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101514-SO

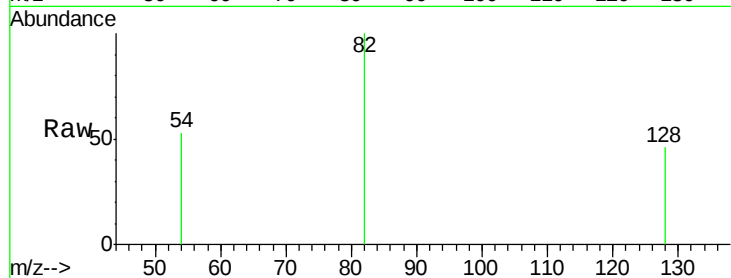
Tgt Ion: 82 Resp: 57279

Ion Ratio Lower Upper

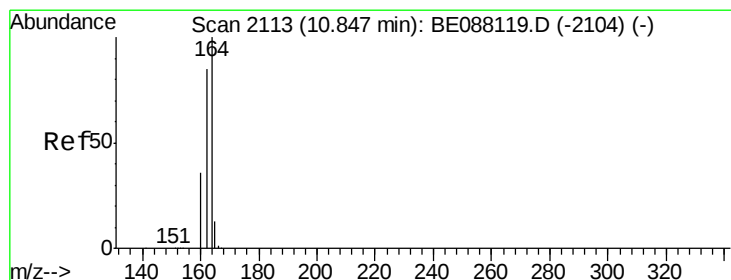
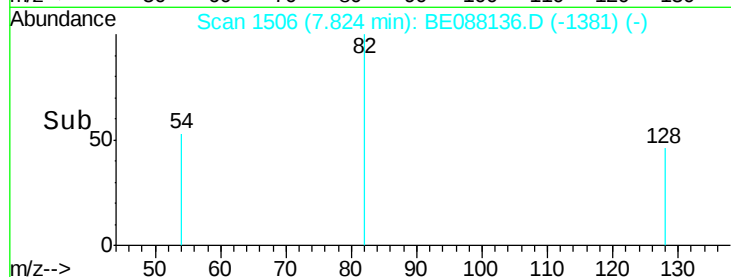
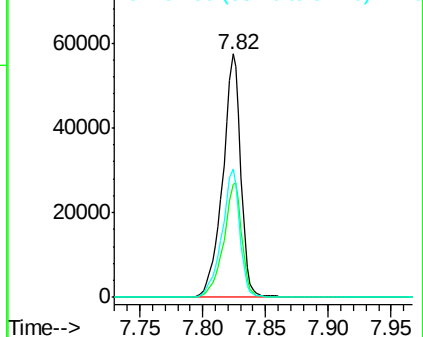
82 100

128 46.3 37.1 55.7

54 52.7 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: BE088136.D

Acq: 21 Oct 2014 11:19

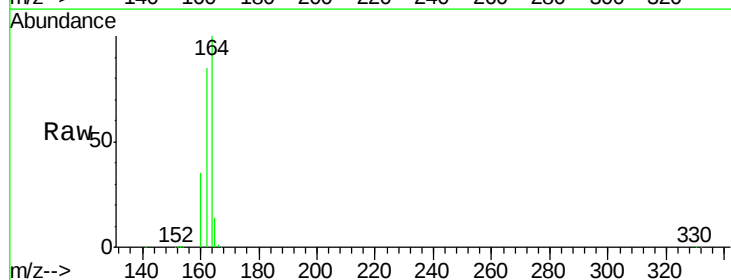
Tgt Ion: 164 Resp: 62378

Ion Ratio Lower Upper

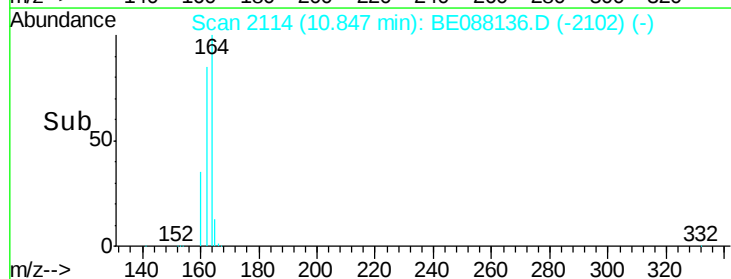
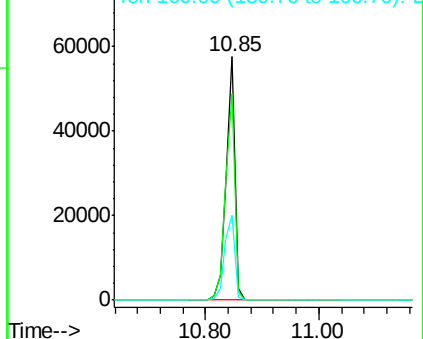
164 100

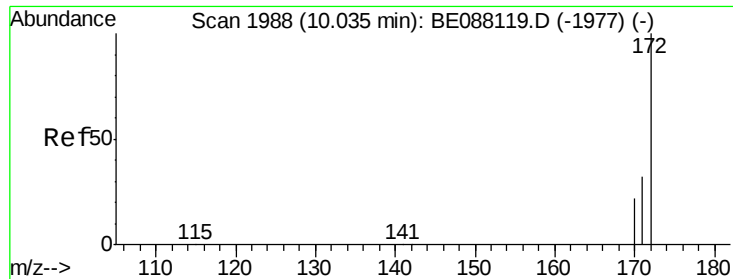
162 84.6 68.3 102.5

160 35.1 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: 5.99 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088136.D

Acq: 21 Oct 2014 11:19

Instrument :

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YS19-EB01-101514-SO

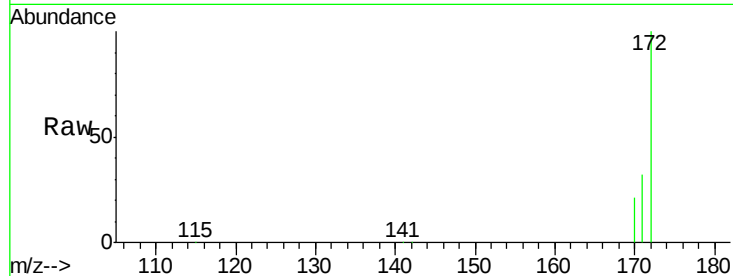
Tgt Ion:172 Resp: 103216

Ion Ratio Lower Upper

172 100

171 31.5 25.4 38.2

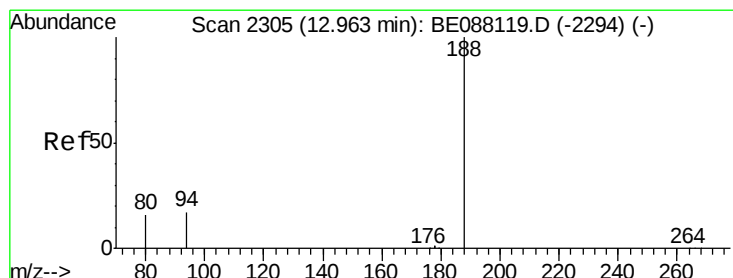
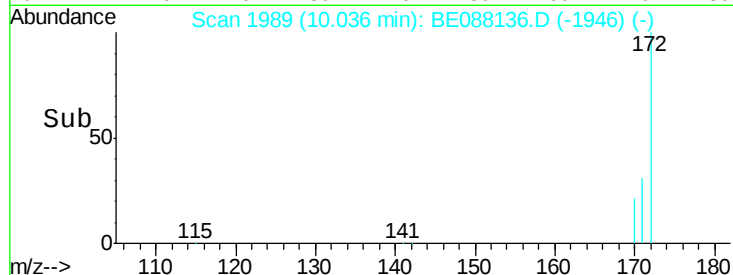
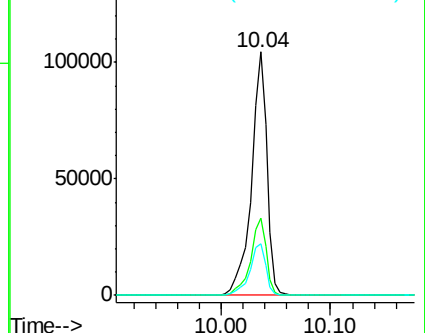
170 21.1 17.4 26.2



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: BE088136.D

Acq: 21 Oct 2014 11:19

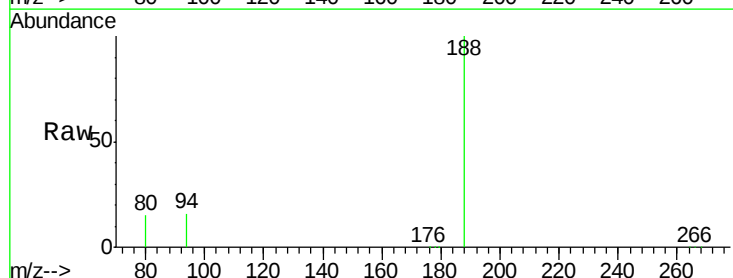
Tgt Ion:188 Resp: 112417

Ion Ratio Lower Upper

188 100

94 16.0 13.9 20.9

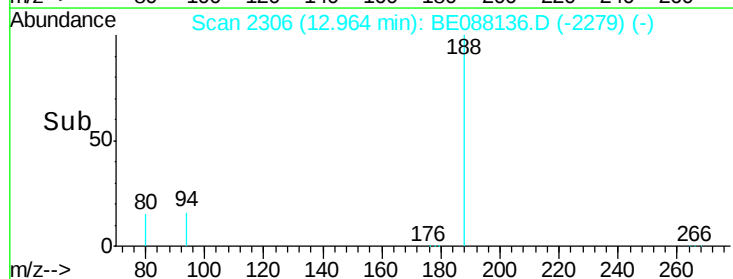
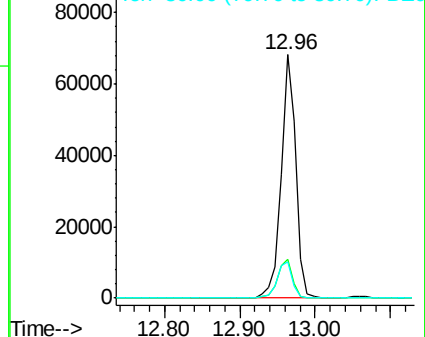
80 14.9 12.9 19.3

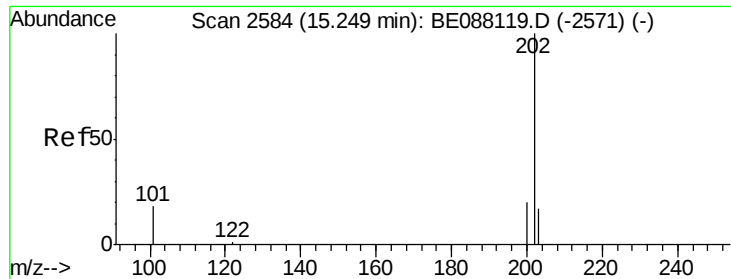


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

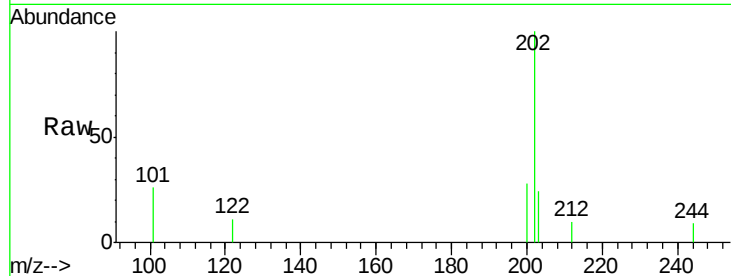




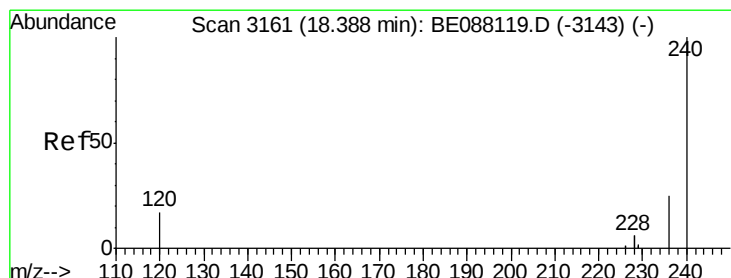
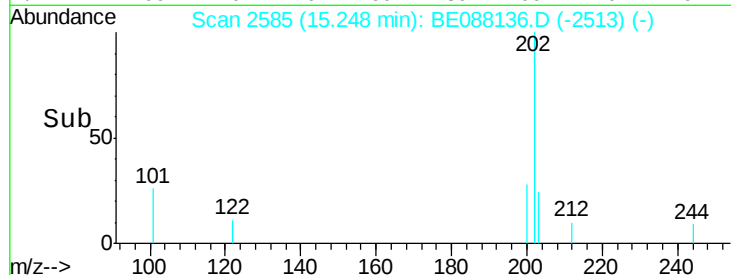
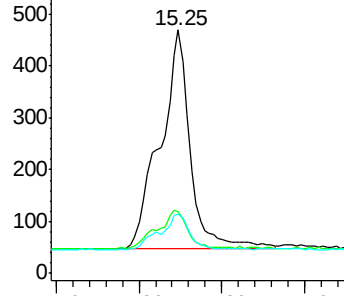
#15
 Fluoranthene
 Concen: 0.05 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088136.D
 Acq: 21 Oct 2014 11:19

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101514-SO

Tgt Ion: 202 Resp: 1050
 Ion Ratio Lower Upper
 202 100
 101 16.3 14.8 22.2
 203 14.8 13.5 20.3

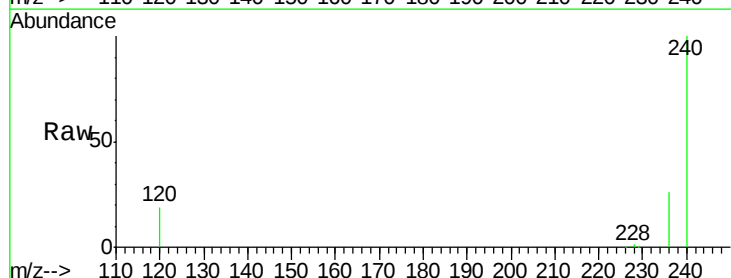


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

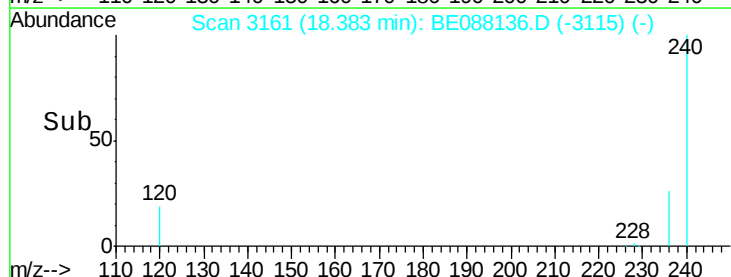
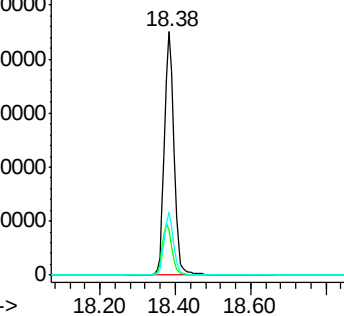


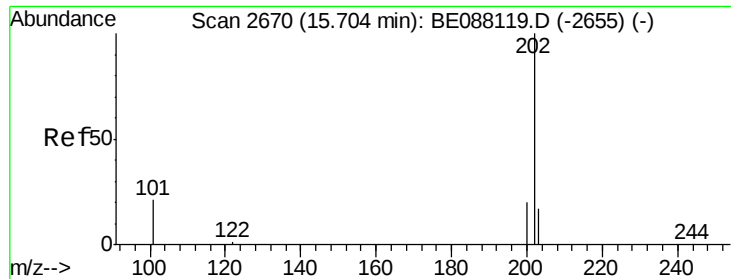
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.00 min
 Lab File: BE088136.D
 Acq: 21 Oct 2014 11:19

Tgt Ion: 240 Resp: 77127
 Ion Ratio Lower Upper
 240 100
 120 18.6 13.9 20.9
 236 25.7 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

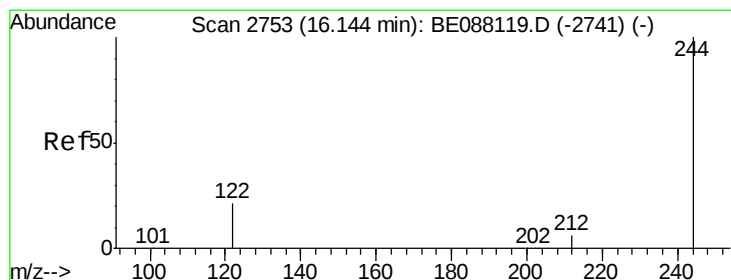
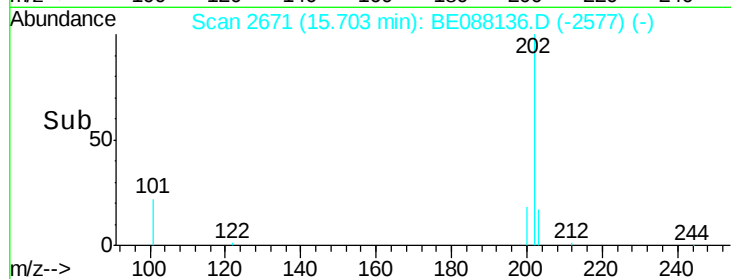
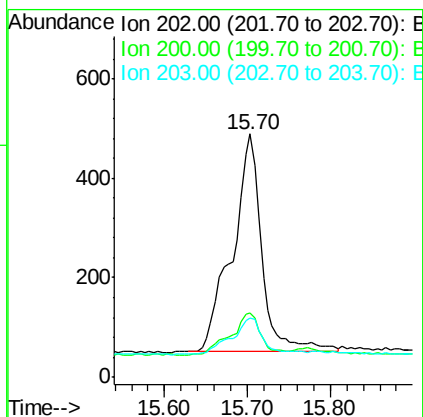
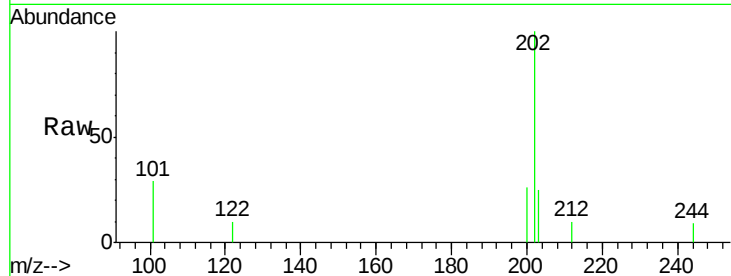




#17
 Pyrene
 Concen: 0.05 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088136.D
 Acq: 21 Oct 2014 11:19

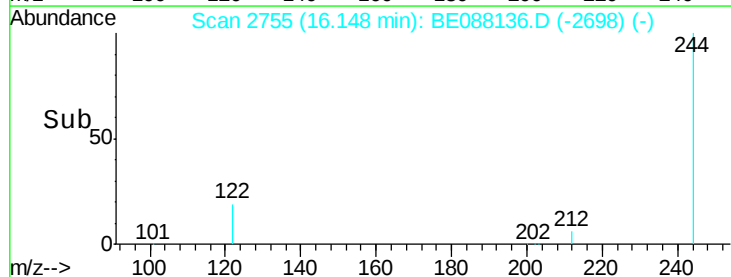
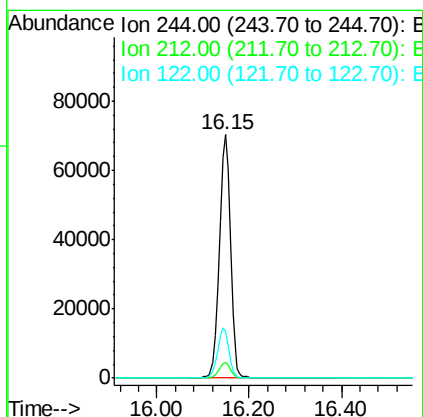
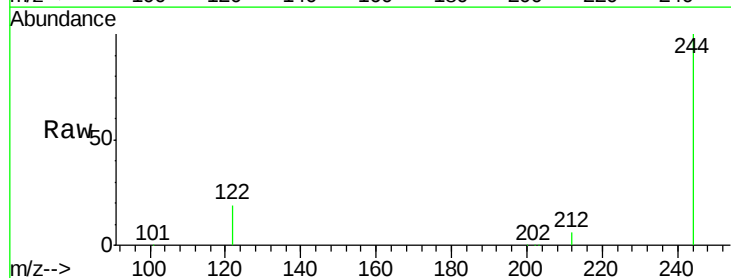
Instrument :
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 YS19-EB01-101514-SO

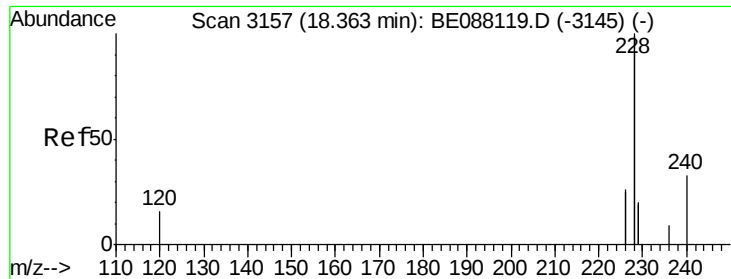
Tgt Ion: 202 Resp: 1091
 Ion Ratio Lower Upper
 202 100
 200 19.3 16.1 24.1
 203 17.6 13.9 20.9



#18
 Terphenyl-d14
 Concen: 9.14 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088136.D
 Acq: 21 Oct 2014 11:19

Tgt Ion: 244 Resp: 113486
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 19.3 17.5 26.3





#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088136.D

Acq: 21 Oct 2014 11:19

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101514-SO

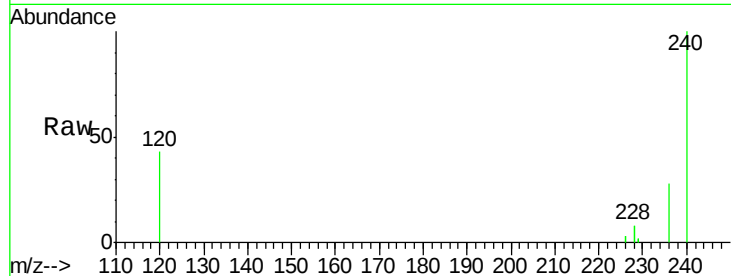
Tgt Ion:228 Resp: 3584

Ion Ratio Lower Upper

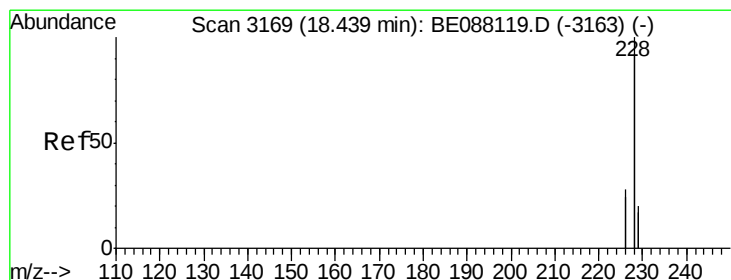
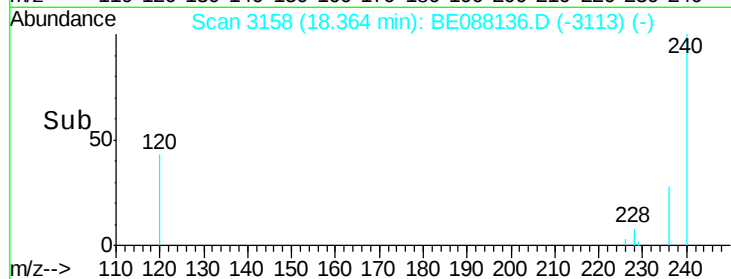
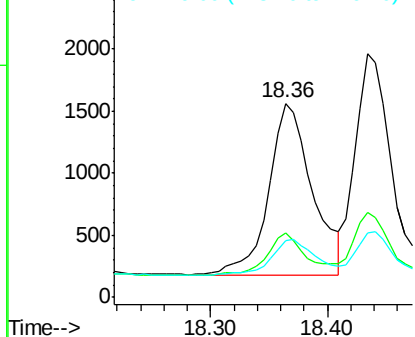
228 100

226 33.4 20.8 31.2#

229 29.6 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. -0.00 min

Lab File: BE088136.D

Acq: 21 Oct 2014 11:19

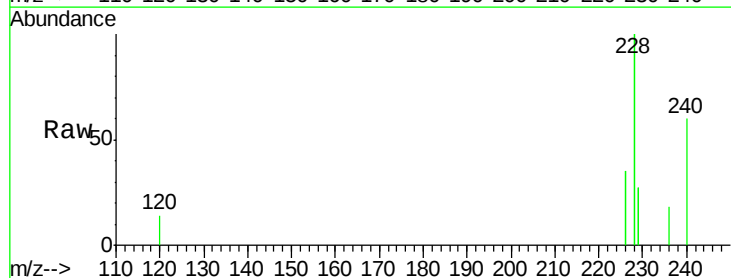
Tgt Ion:228 Resp: 3745

Ion Ratio Lower Upper

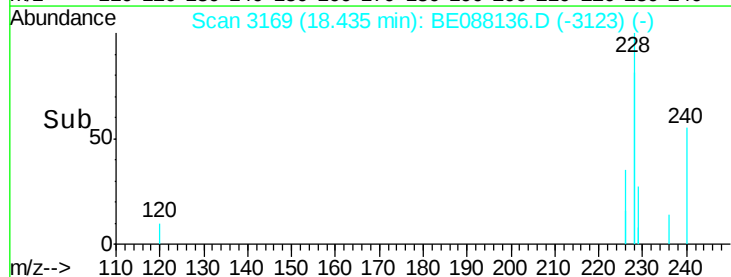
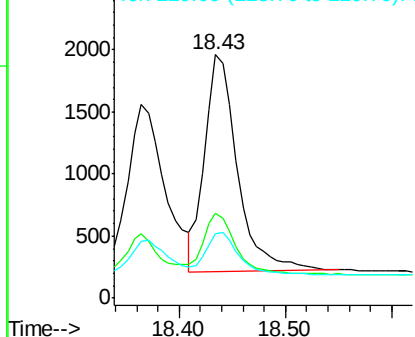
228 100

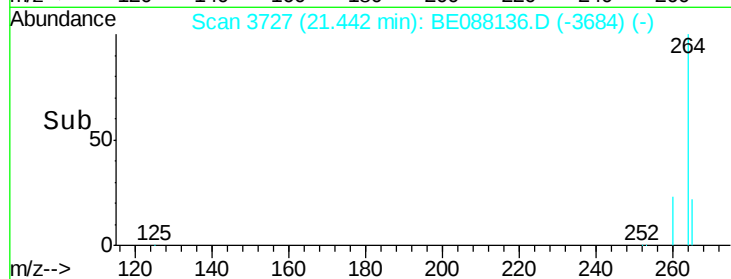
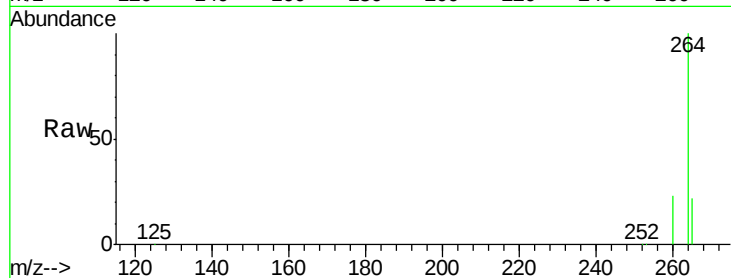
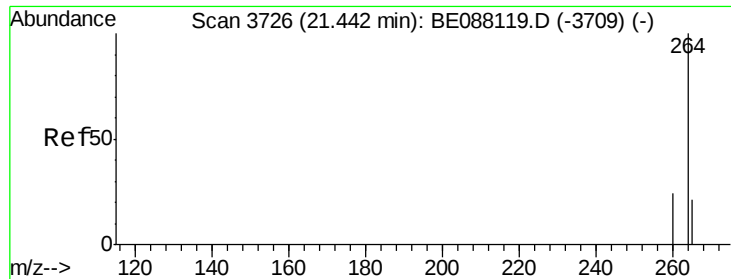
226 34.7 22.7 34.1#

229 26.7 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: BE088136.D

Acq: 21 Oct 2014 11:19

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101514-SO

Tgt Ion: 264 Resp: 72952

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.6 17.2 25.8

