

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088144.D
 Acq On : 21 Oct 2014 16:18
 Operator : TP/JJ
 Sample : PB79653BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79653BL

Quant Time: Oct 22 10:23:41 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	32787	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	122696	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	54417	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	96170	5.00	ng	0.00
16) Chrysene-d12	18.38	240	66635	5.00	ng	0.00
22) Perylene-d12	21.44	264	62925	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.82	82	64653	7.31	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	107182	7.13	ng	0.00
18) Terphenyl-d14	16.15	244	81918	7.64	ng	0.00

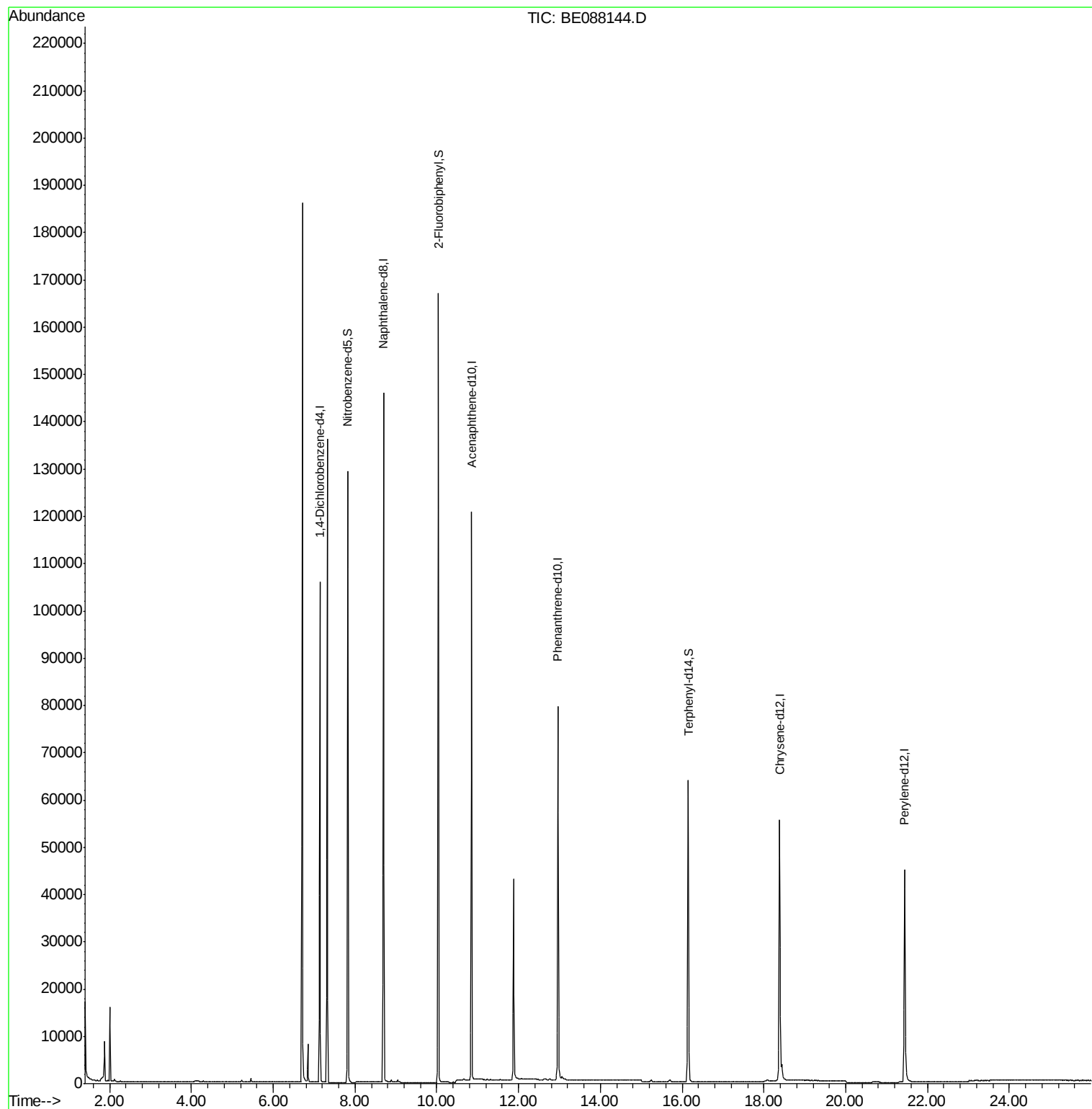
Target Compounds	Qvalue

(#) = 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: BE088144.D

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Instrument :

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ClientSampleId :

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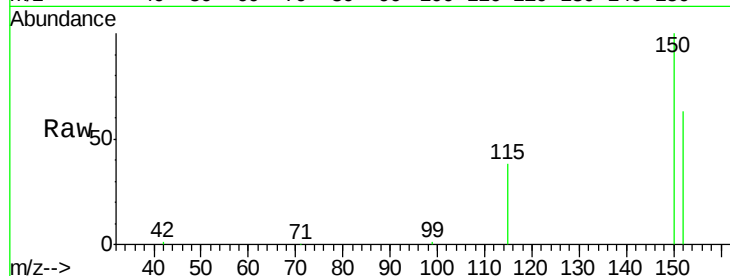
Tgt Ion:152 Resp: 32787

Ion Ratio Lower Upper

152 100

150 159.2 129.2 193.8

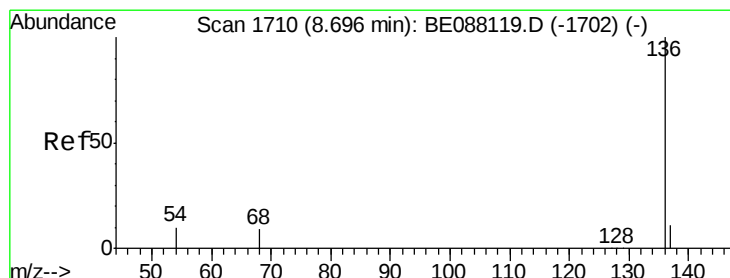
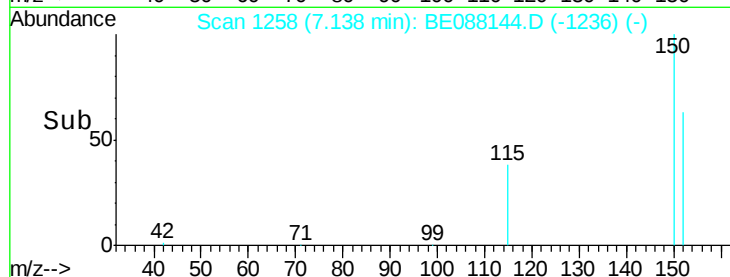
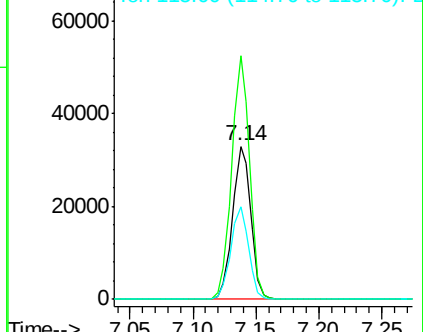
115 60.7 49.3 73.9



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: BE088144.D

Acq: 21 Oct 2014 16:18

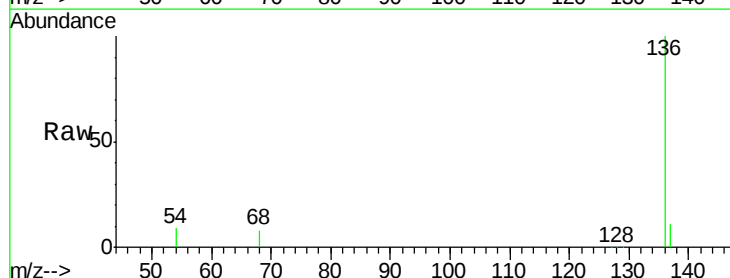
Tgt Ion:136 Resp: 122696

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

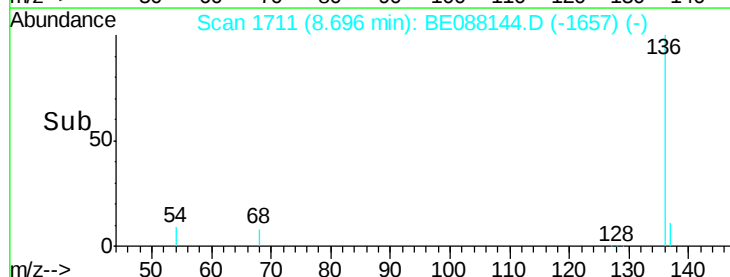
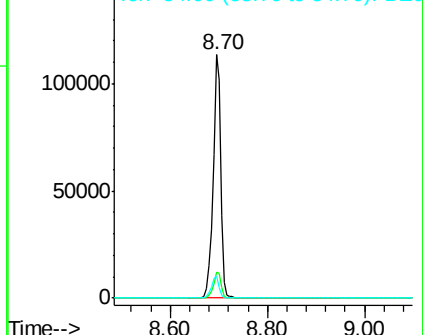
54 9.3 7.7 11.5

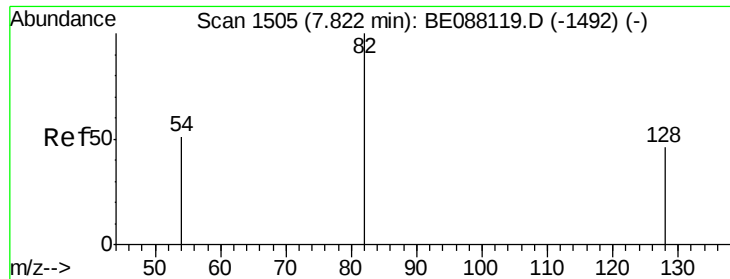


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 7.31 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088144.D

Acq: 21 Oct 2014 16:18

Instrument :

BNA_E

ClientSampleId :

PB79653BL

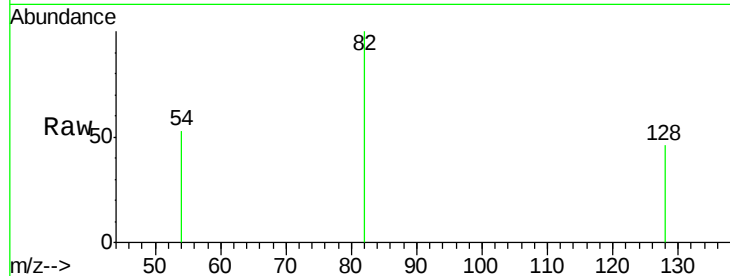
Tgt Ion: 82 Resp: 64653

Ion Ratio Lower Upper

82 100

128 45.8 37.1 55.7

54 53.1 41.1 61.7



Abundance Ion 82.00 (81.70 to 82.70): BE088144.D (-1382) (-)

Ion 128.00 (127.70 to 128.70): BE088144.D (-1382) (-)

Ion 54.00 (53.70 to 54.70): BE088144.D (-1382) (-)

7.82

80000

60000

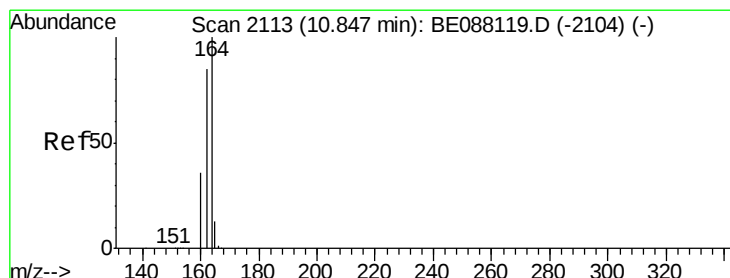
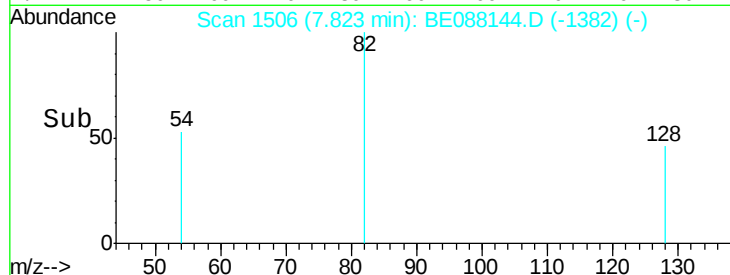
40000

20000

0

7.80 7.90 8.00

Time-->



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088144.D

Acq: 21 Oct 2014 16:18

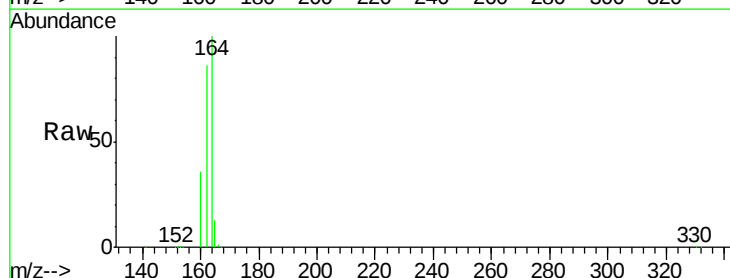
Tgt Ion: 164 Resp: 54417

Ion Ratio Lower Upper

164 100

162 85.5 68.3 102.5

160 36.4 28.7 43.1



Abundance Ion 164.00 (163.70 to 164.70): BE088144.D (-2102) (-)

Ion 162.00 (161.70 to 162.70): BE088144.D (-2102) (-)

Ion 160.00 (159.70 to 160.70): BE088144.D (-2102) (-)

10.85

60000

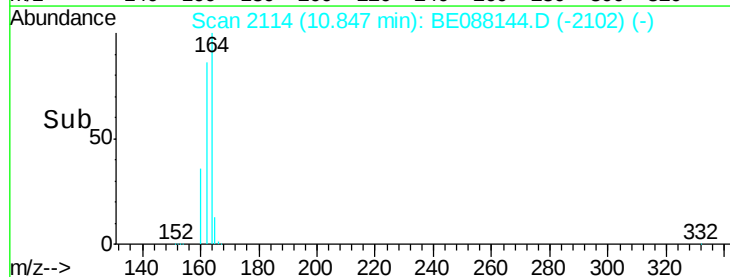
40000

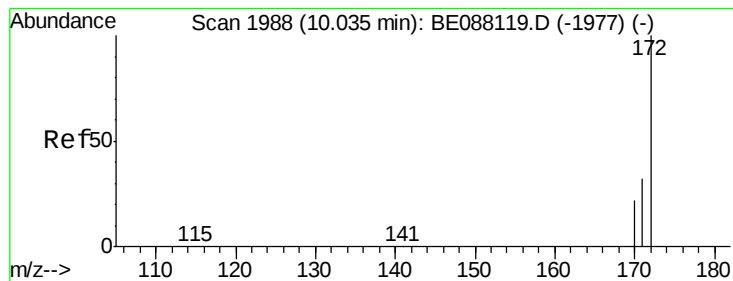
20000

0

10.80 11.00

Time-->





#8

2-Fluorobiphenyl

Concen: 7.13 ng

RT: 10.03 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088144.D

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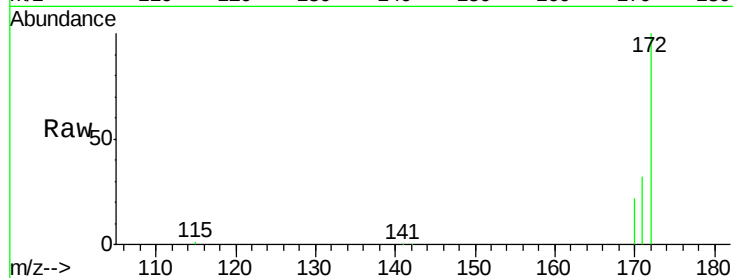
Tgt Ion:172 Resp: 107182

Ion Ratio Lower Upper

172 100

171 32.3 25.4 38.2

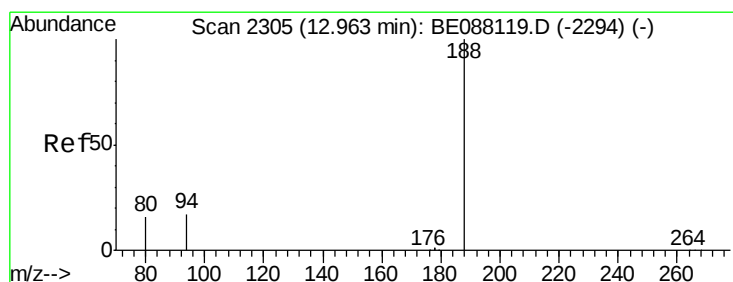
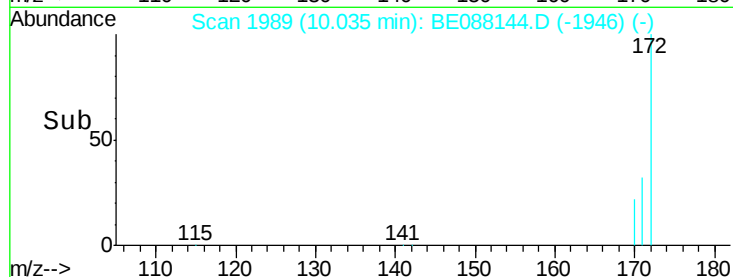
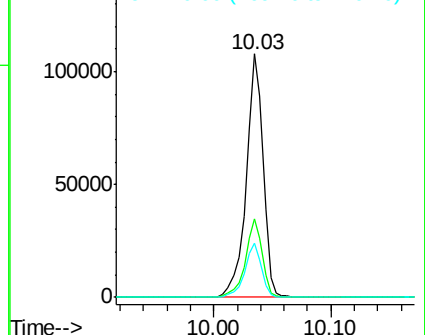
170 22.0 17.4 26.2



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: BE088144.D

Acq: 21 Oct 2014 16:18

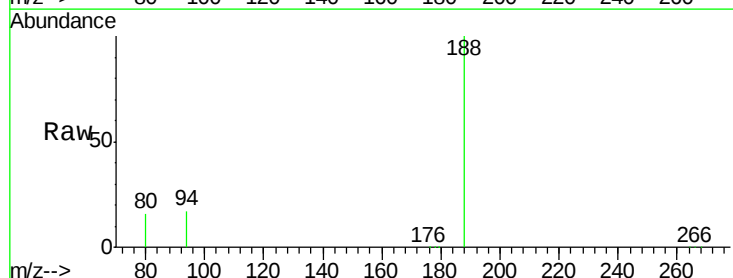
Tgt Ion:188 Resp: 96170

Ion Ratio Lower Upper

188 100

94 17.2 13.9 20.9

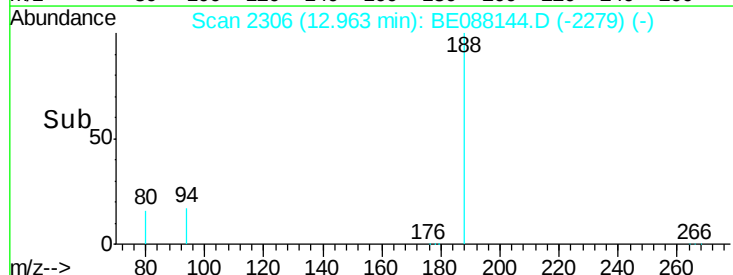
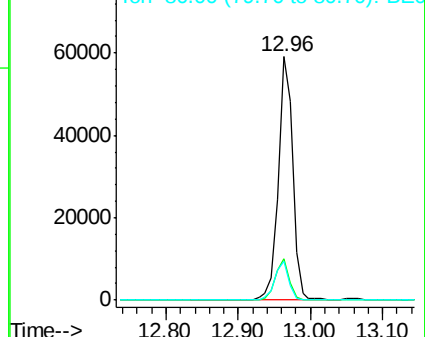
80 16.1 12.9 19.3

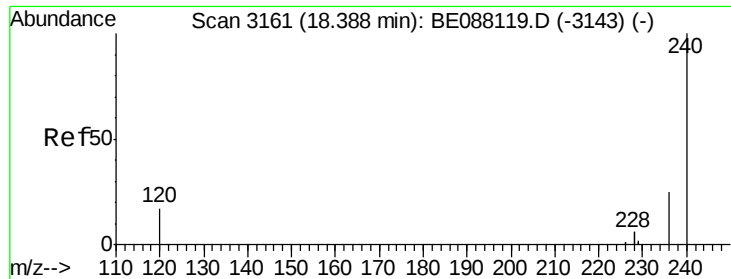


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE088144.D

Acq: 21 Oct 2014 16:18

Instrument :

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ClientSampleId :

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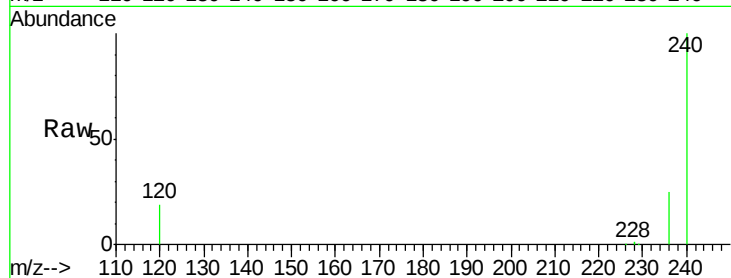
Tgt Ion:240 Resp: 66635

Ion Ratio Lower Upper

240 100

120 19.2 13.9 20.9

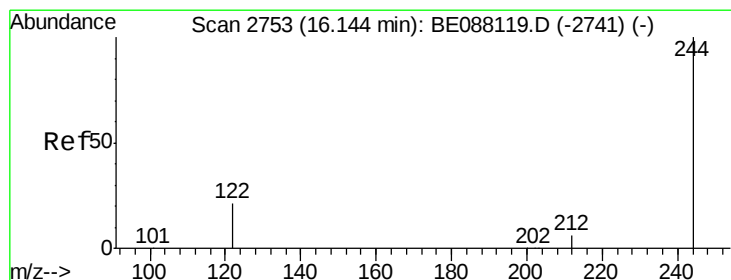
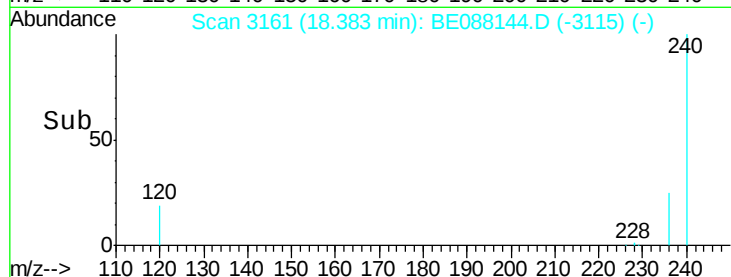
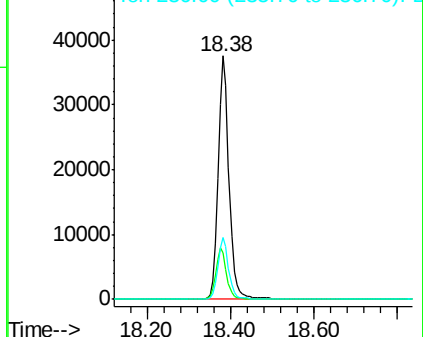
236 25.4 19.9 29.9



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



#18

Terphenyl-d14

Concen: 7.64 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088144.D

Acq: 21 Oct 2014 16:18

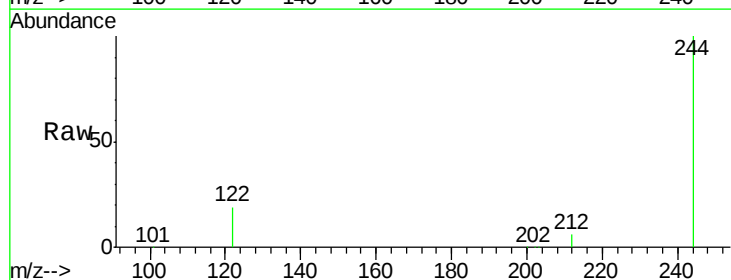
Tgt Ion:244 Resp: 81918

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

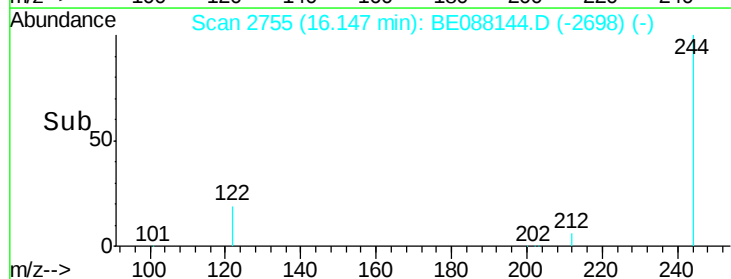
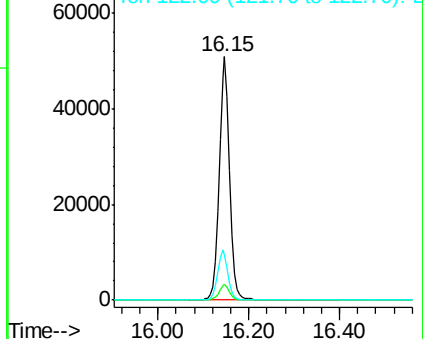
122 18.8 17.5 26.3

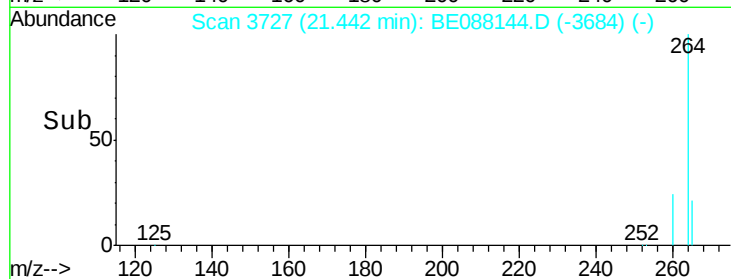
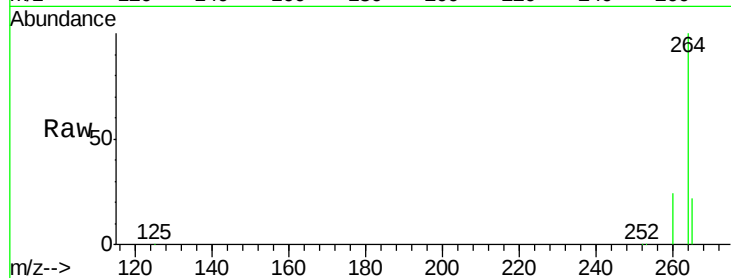
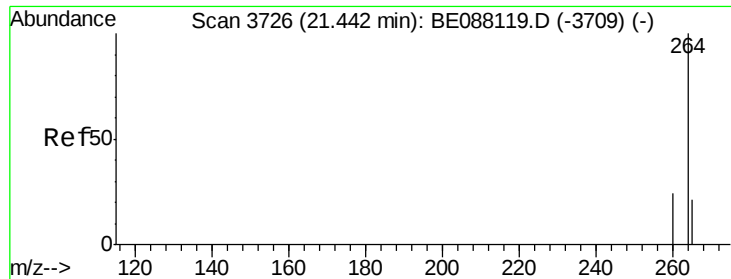


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BE088144.D

Acq: 21 Oct 2014 16:18

Instrument :

BNA_E

ClientSampleId :

PB79653BL

Tgt Ion: 264 Resp: 62925

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.5 17.2 25.8

