

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
 Data File : BF082057.D
 Acq On : 5 Oct 2015 21:28
 Operator : UM/IZ
 Sample : G3846-16DL 25X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)DL

Quant Time: Oct 06 05:51:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

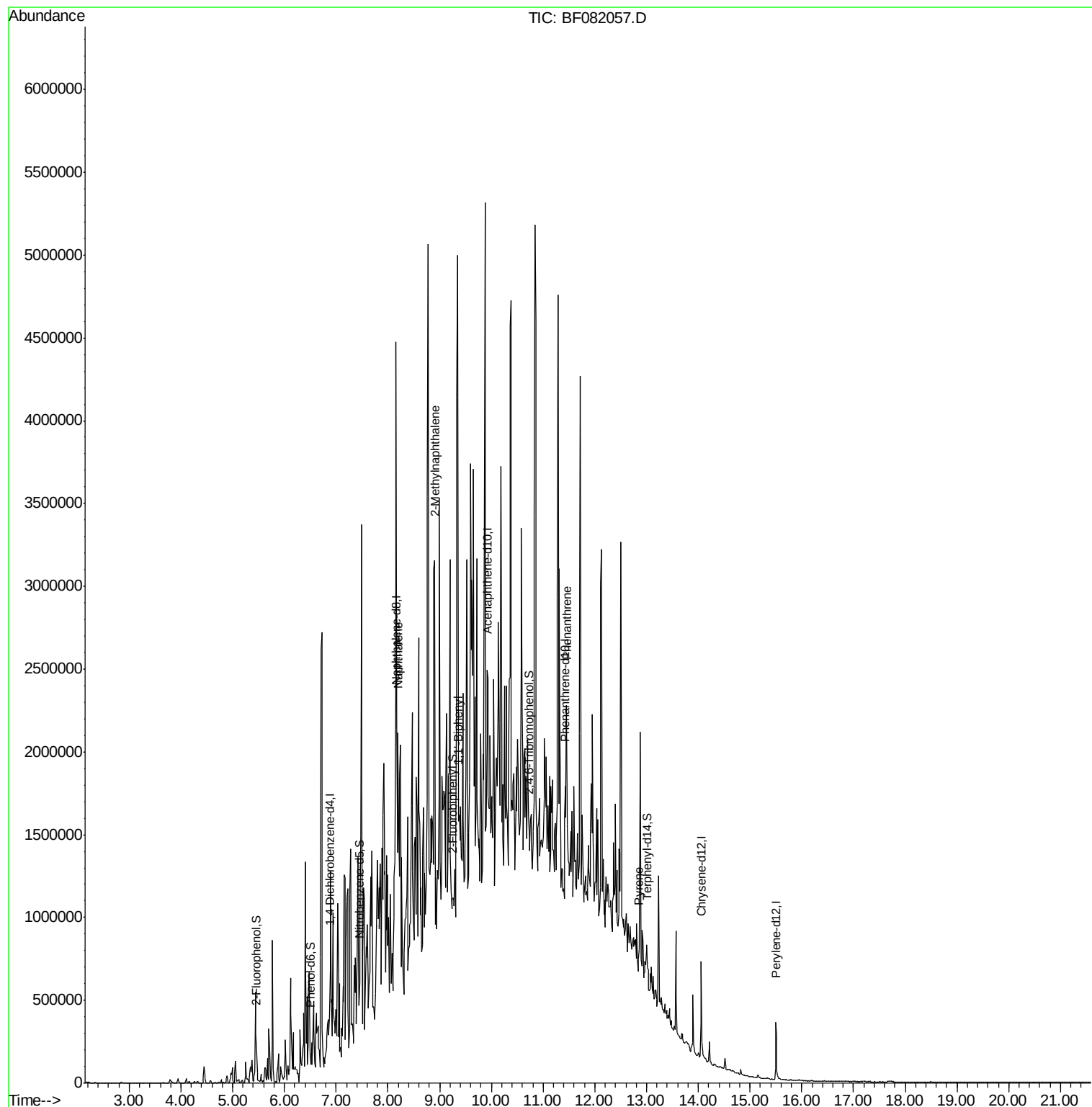
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	81268	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	286768	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	149480	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	283613	20.00	ng	0.01
75) Chrysene-d12	14.06	240	251118	20.00	ng	0.00
86) Perylene-d12	15.50	264	212198	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	30333	6.78	ng	-0.01
7) Phenol-d6	6.50	99	41365	7.34	ng	-0.01
23) Nitrobenzene-d5	7.45	82	28700	6.67	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	9185	6.07	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	57524	4.52	ng	0.01
78) Terphenyl-d14	13.01	244	57172	4.11	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	582297	45.83	ng	# 94
37) 2-Methylnaphthalene	8.90	142	1151520	132.76	ng	# 91
45) 1,1'-Biphenyl	9.36	154	182659	15.84	ng	94
70) Phenanthrene	11.45	178	476633	34.53	ng	96
77) Pyrene	12.86	202	63814	4.25	ng	# 91

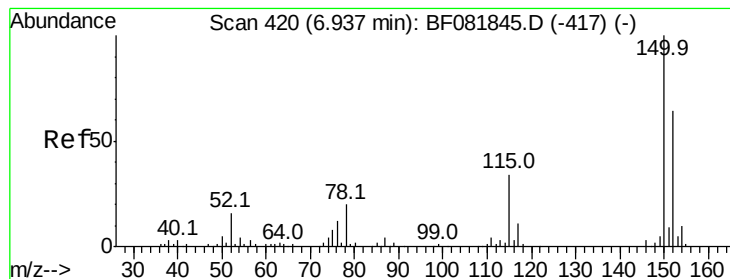
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
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QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)DL

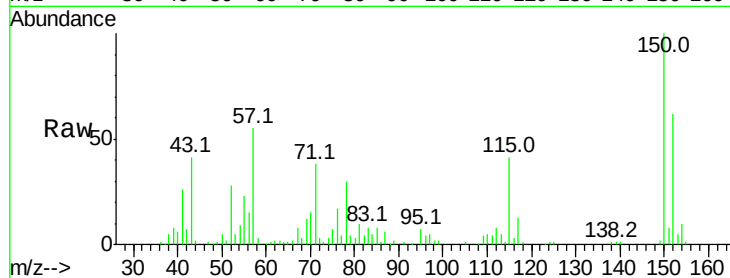
Tot Ion:152 Resp: 81268

Ion Ratio Lower Upper

152 100

150 161.0 124.7 187.1

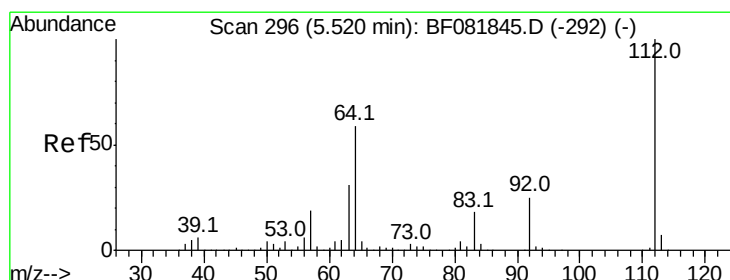
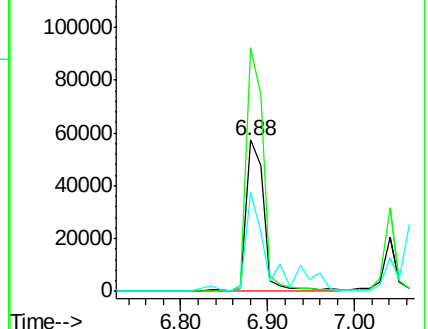
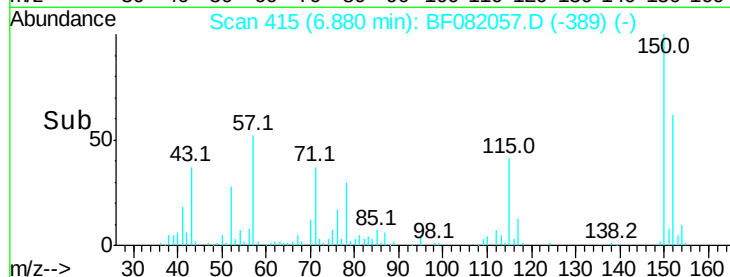
115 65.4 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 6.78 ng

RT: 5.46 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

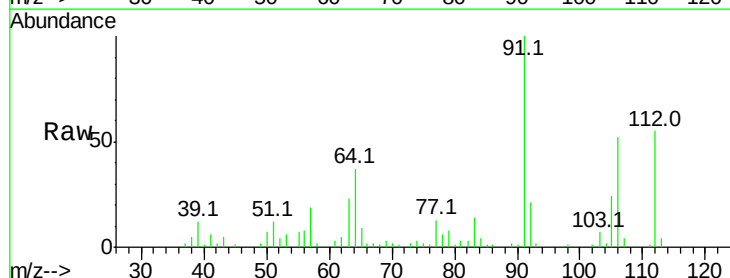
Tgt Ion:112 Resp: 30333

Ion Ratio Lower Upper

112 100

64 66.5 39.7 59.5#

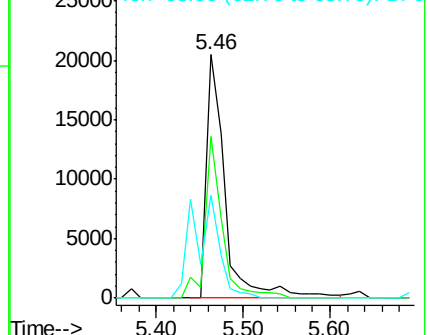
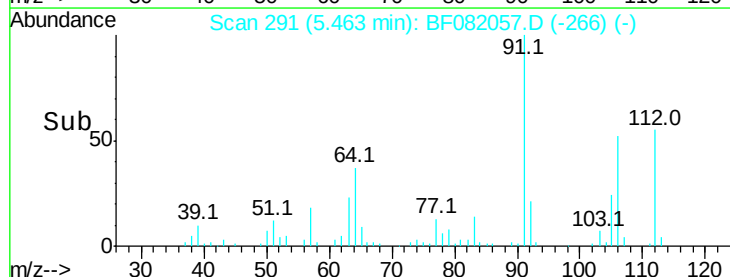
63 42.5 17.4 26.0#

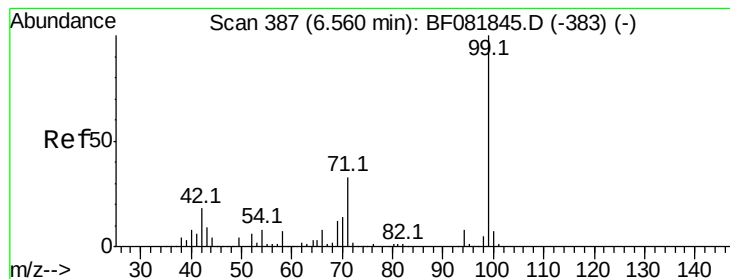


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.34 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)DL

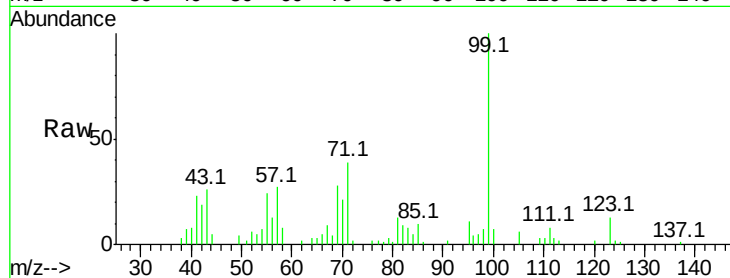
Tot Ion: 99 Resp: 41365

Ion Ratio Lower Upper

99 100

42 19.5 13.7 20.5

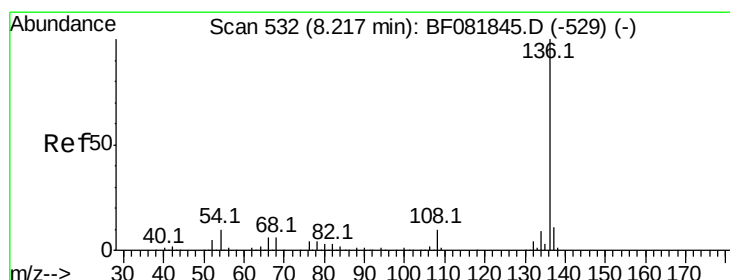
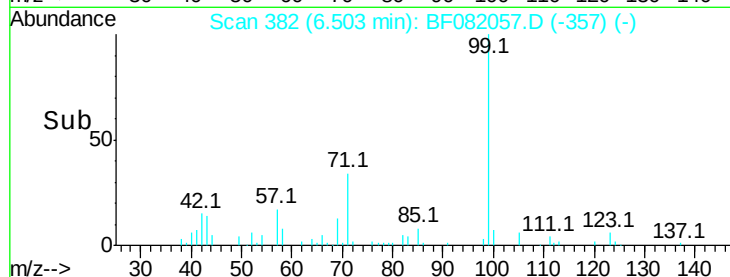
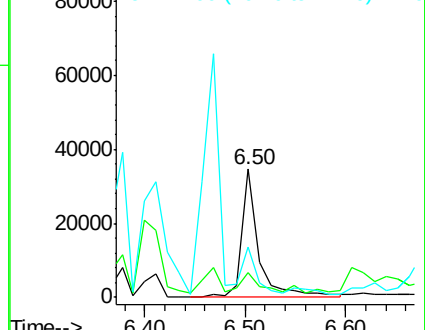
71 38.8 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Tgt Ion: 136 Resp: 286768

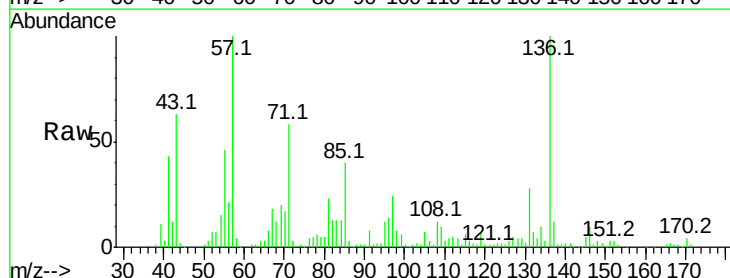
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 14.8 8.2 12.2#

68 11.9 5.8 8.6#

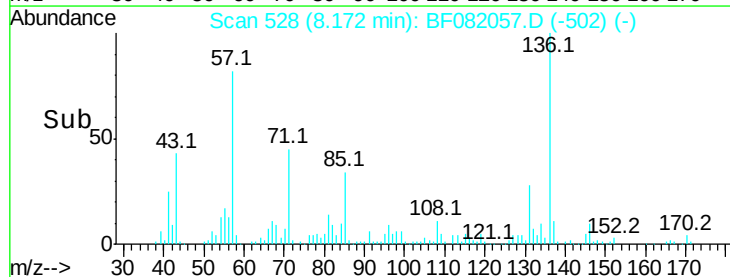
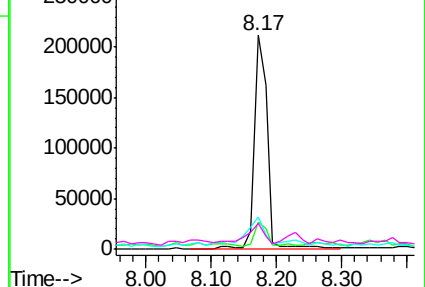


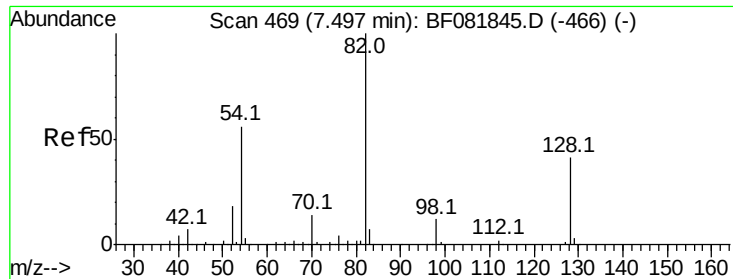
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 6.67 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)DL

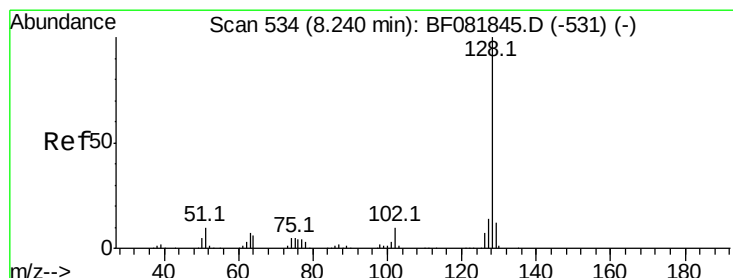
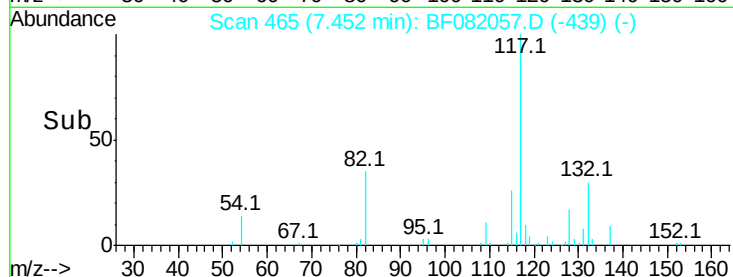
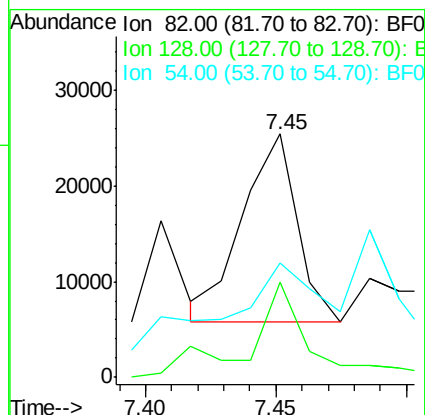
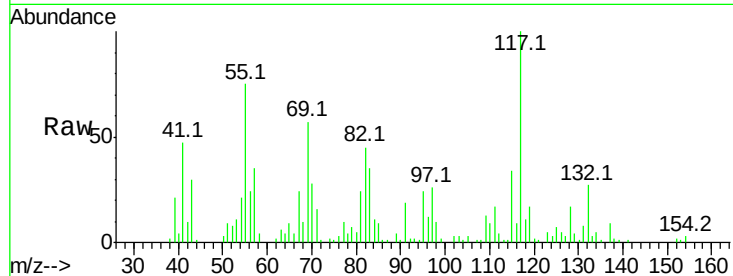
Tot Ion: 82 Resp: 28700

Ion Ratio Lower Upper

82 100

128 39.2 51.0 76.6#

54 46.8 47.5 71.3#



#31

Naphthalene

Concen: 45.83 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

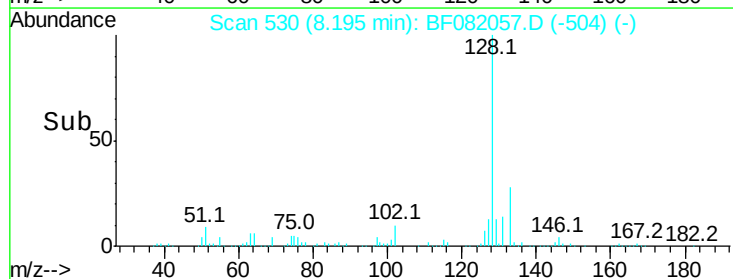
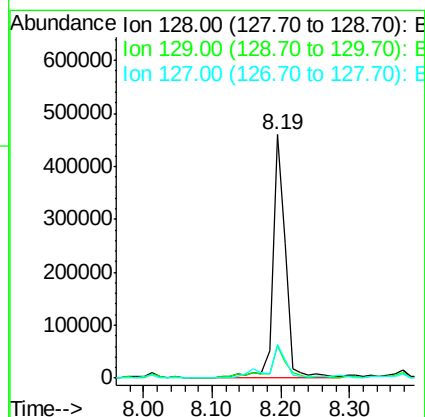
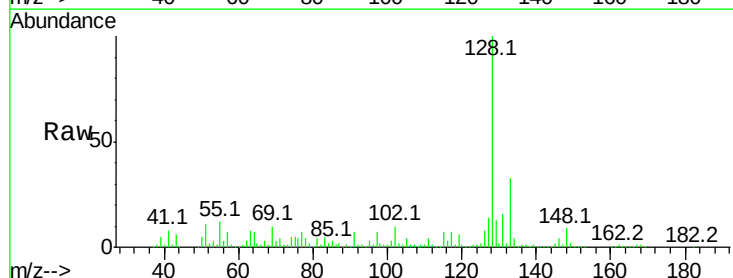
Tgt Ion:128 Resp: 582297

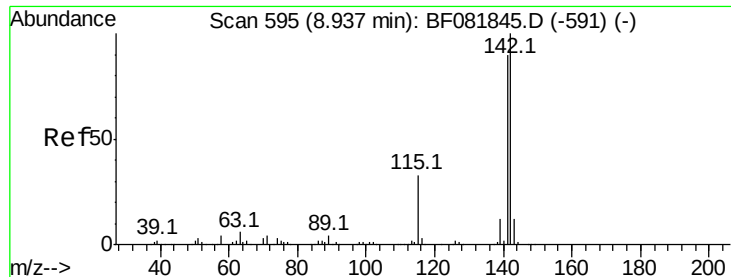
Ion Ratio Lower Upper

128 100

129 13.5 8.4 12.6#

127 14.1 9.9 14.9

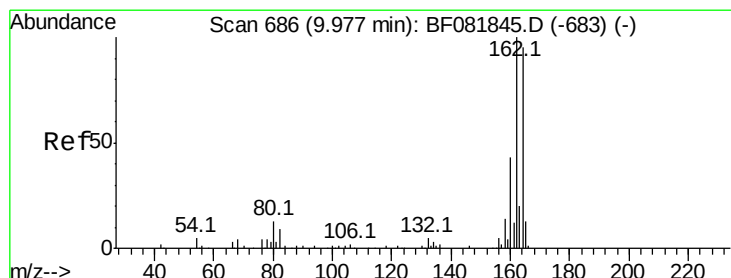
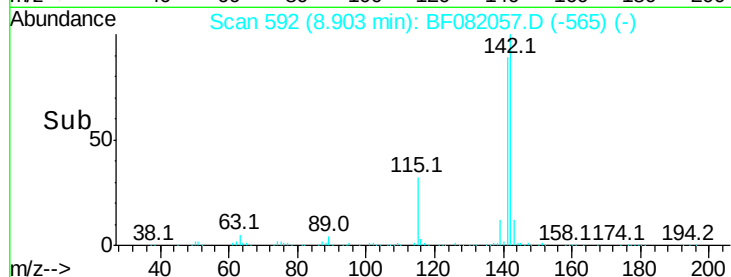
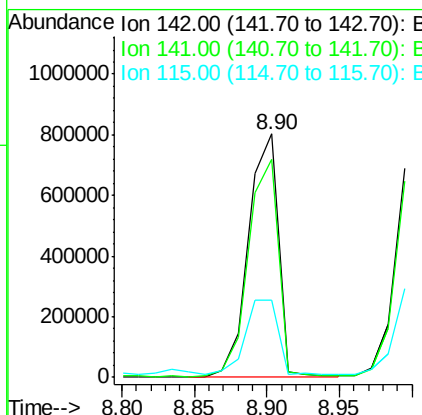
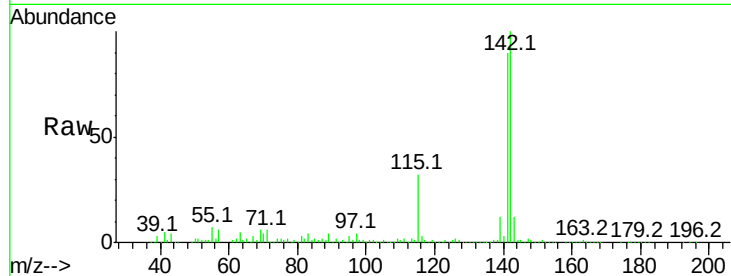




#37
2-Methylnaphthalene
Concen: 132.76 ng
RT: 8.90 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF082057.D
Acq: 5 Oct 2015 21:28

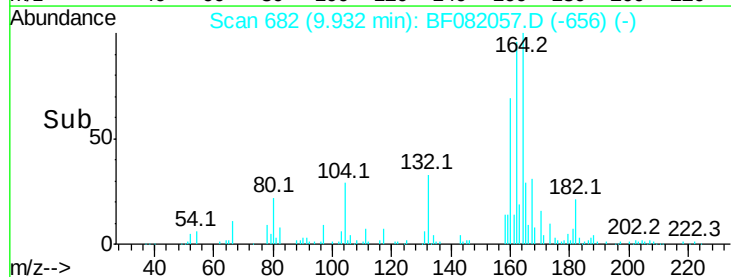
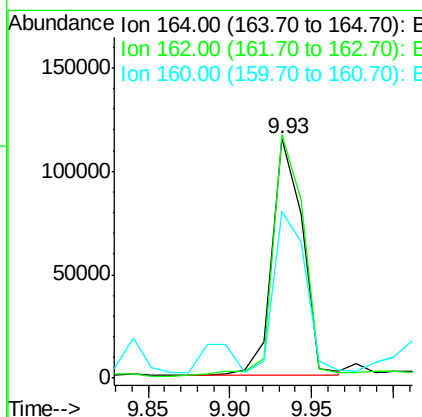
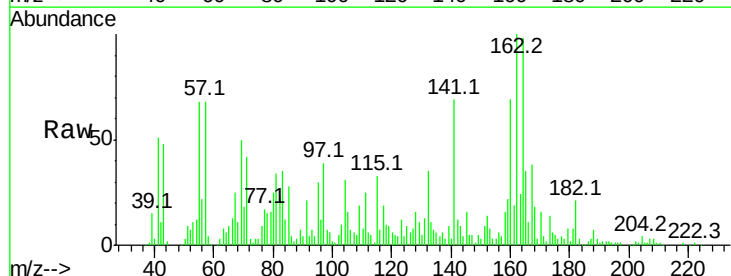
Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)DL

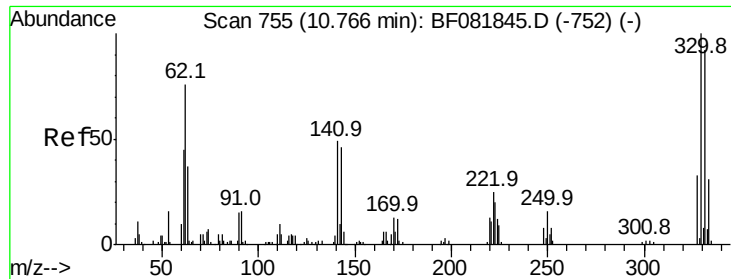
Tot Ion:142 Resp: 1151520
Ion Ratio Lower Upper
142 100
141 89.7 67.5 101.3
115 31.9 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082057.D
Acq: 5 Oct 2015 21:28

Tgt Ion:164 Resp: 149480
Ion Ratio Lower Upper
164 100
162 101.6 75.2 112.8
160 69.9 31.5 47.3#

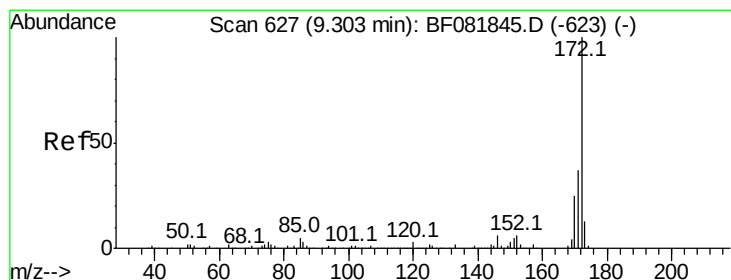
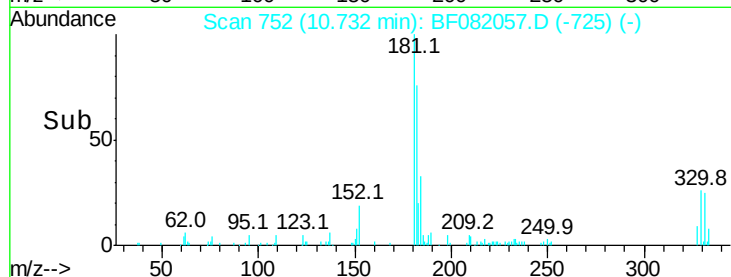
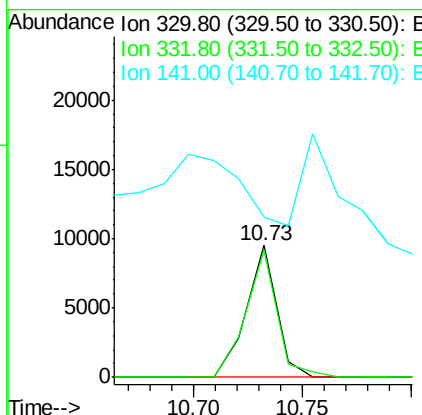
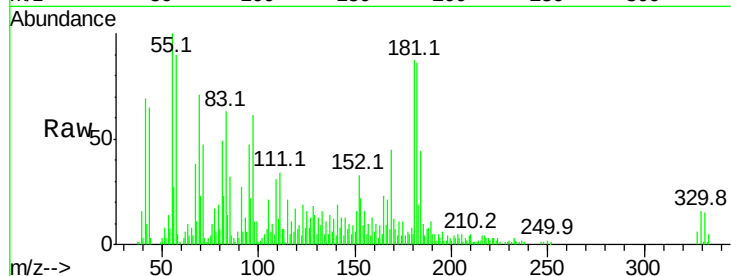




#41
 2,4,6-Tribromophenol
 Concen: 6.07 ng
 RT: 10.73 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: BF082057.D
 Acq: 5 Oct 2015 21:28

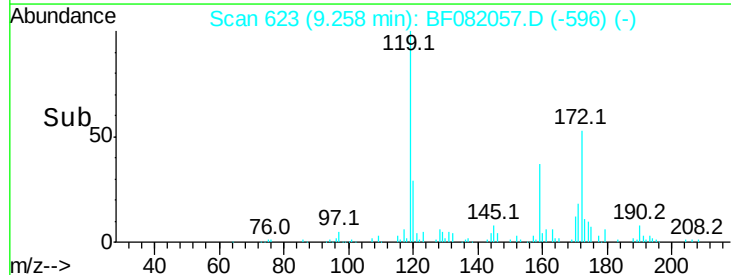
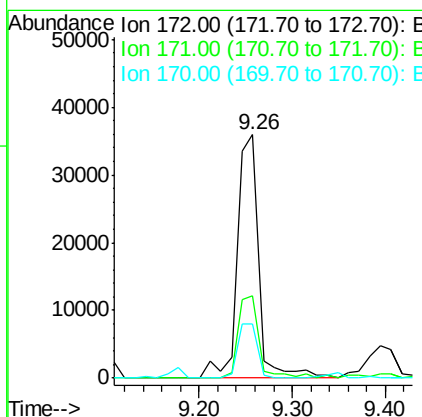
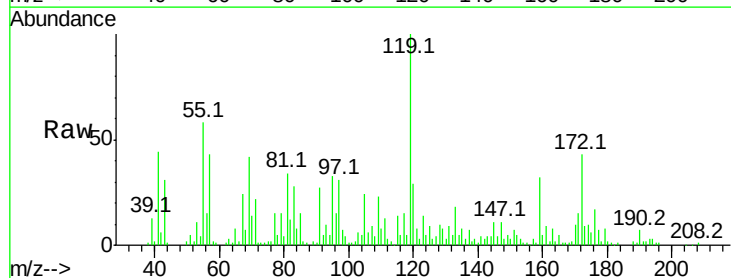
Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)DL

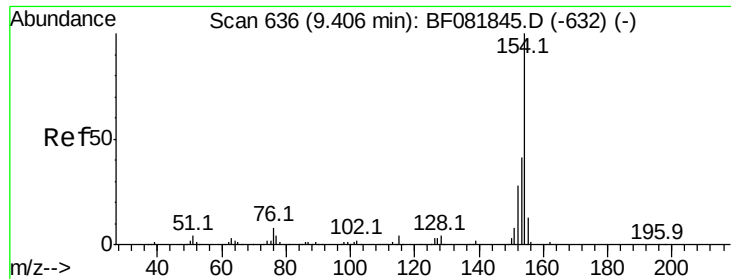
Tot Ion:330 Resp: 9185
 Ion Ratio Lower Upper
 330 100
 332 100.5 76.6 114.8
 141 0.0 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 4.52 ng
 RT: 9.26 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: BF082057.D
 Acq: 5 Oct 2015 21:28

Tgt Ion:172 Resp: 57524
 Ion Ratio Lower Upper
 172 100
 171 33.6 26.1 39.1
 170 22.2 17.4 26.2





#45

1,1'-Biphenyl

Concen: 15.84 ng

RT: 9.36 min Scan# 632

Delta R.T. 0.01 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)DL

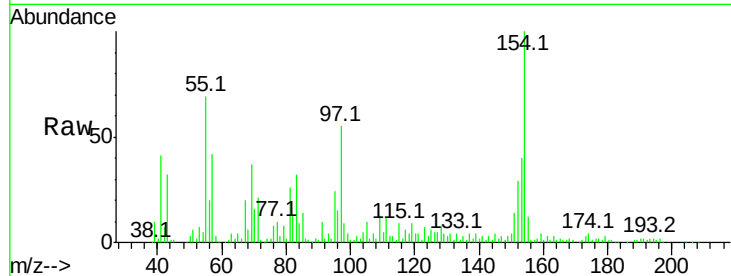
Tot Ion:154 Resp: 182659

Ion Ratio Lower Upper

154 100

153 39.8 17.1 57.1

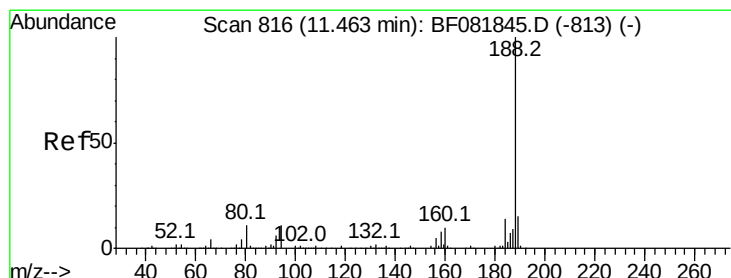
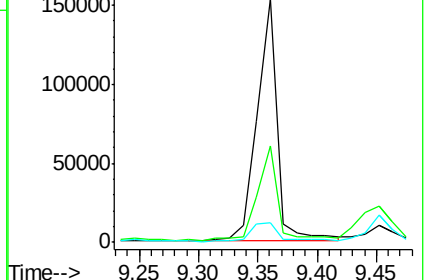
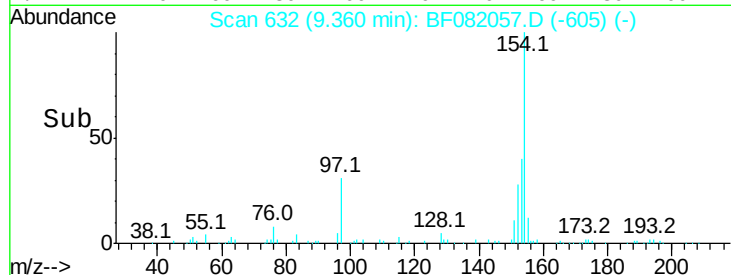
76 8.2 0.0 31.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

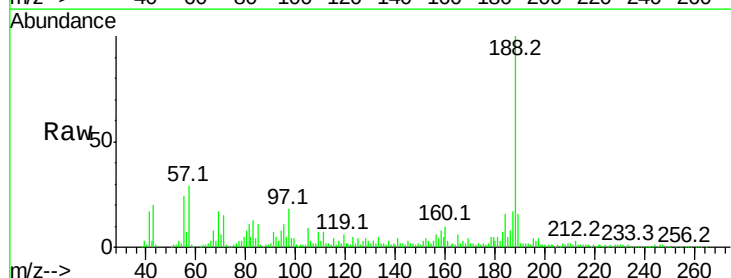
Tgt Ion:188 Resp: 283613

Ion Ratio Lower Upper

188 100

94 7.5 11.1 16.7#

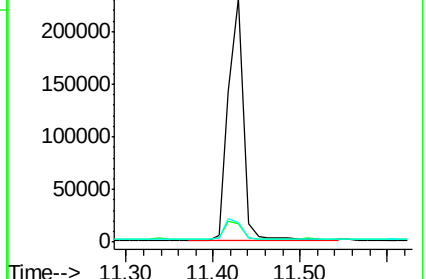
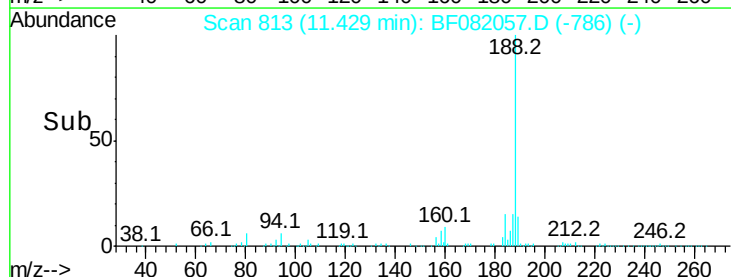
80 7.8 11.0 16.4#

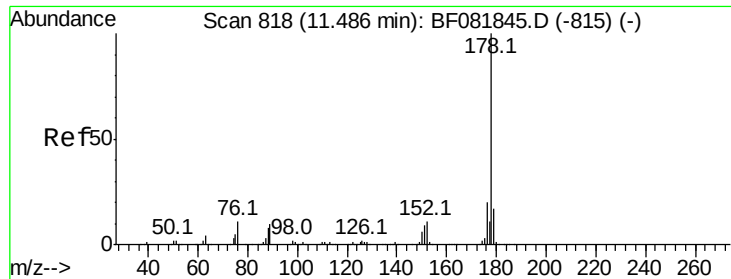


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

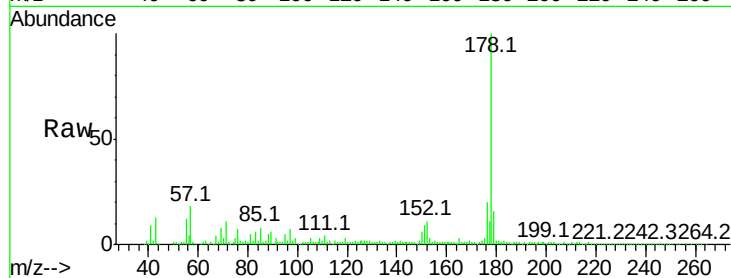




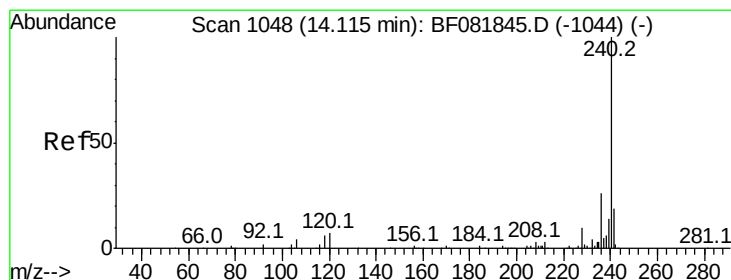
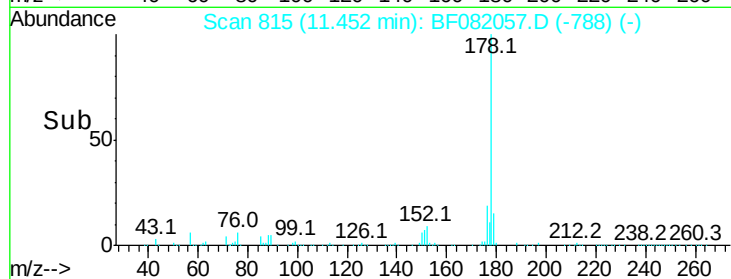
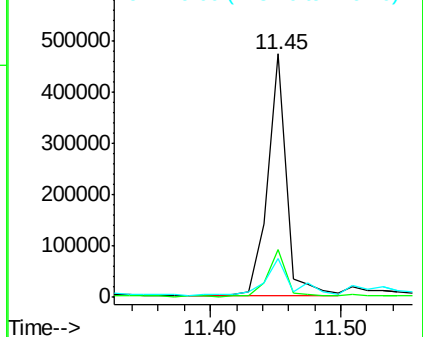
#70
Phenanthrene
Concen: 34.53 ng
RT: 11.45 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF082057.D
Acq: 5 Oct 2015 21:28

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)DL

Tot Ion:178 Resp: 476633
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 16.1 12.2 18.2

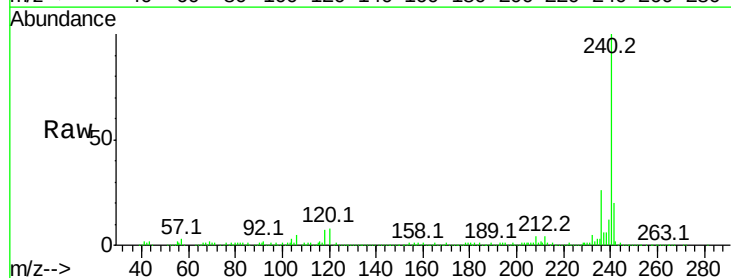


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

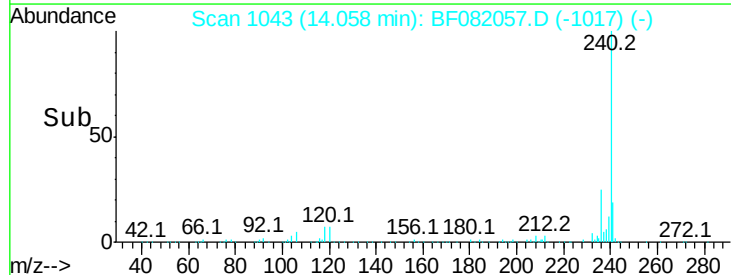
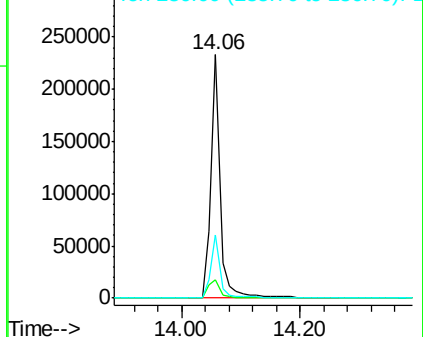


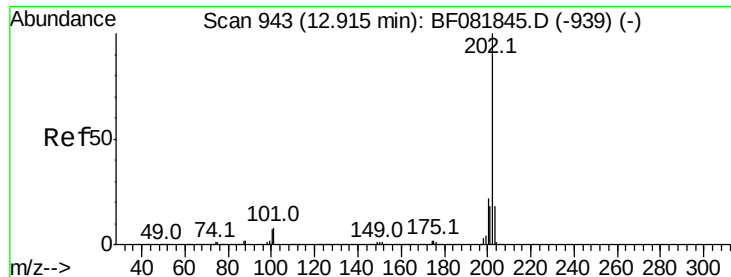
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF082057.D
Acq: 5 Oct 2015 21:28

Tgt Ion:240 Resp: 251118
Ion Ratio Lower Upper
240 100
120 7.7 16.2 24.2#
236 25.7 18.4 27.6



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





#77

Pvrene

Concen: 4.25 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)DL

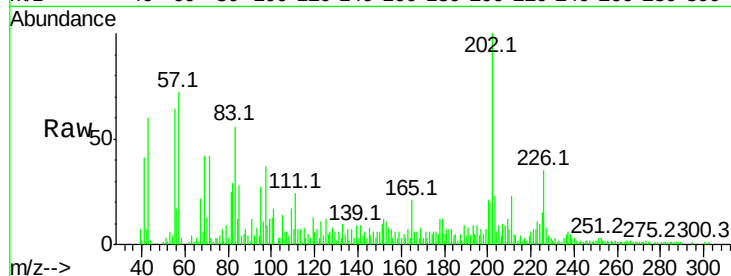
Tot Ion:202 Resp: 63814

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

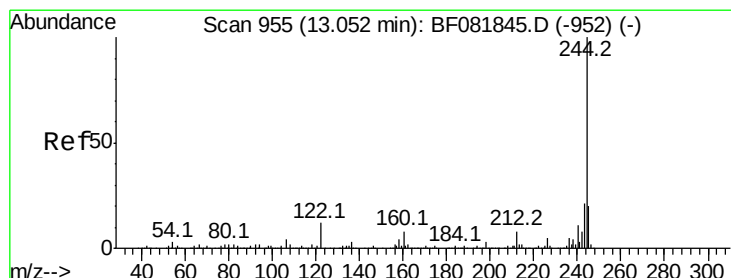
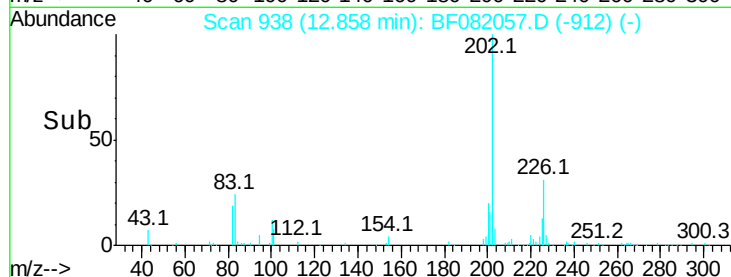
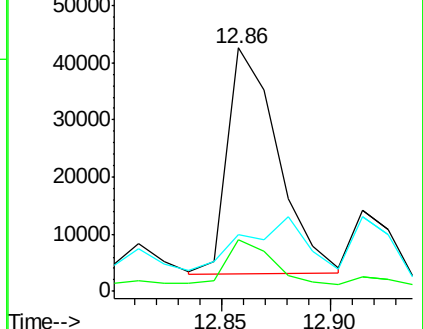
203 23.1 14.1 21.1#



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



#78

Terphenyl-d14

Concen: 4.11 ng

RT: 13.01 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF082057.D

Acq: 5 Oct 2015 21:28

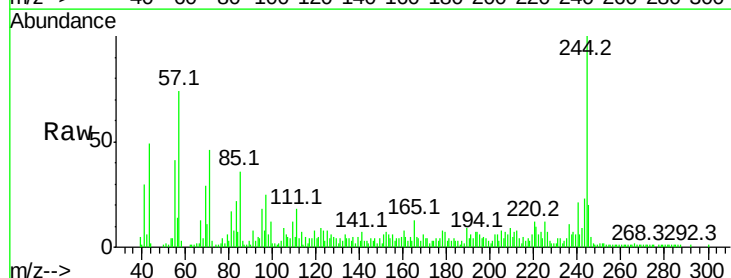
Tgt Ion:244 Resp: 57172

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

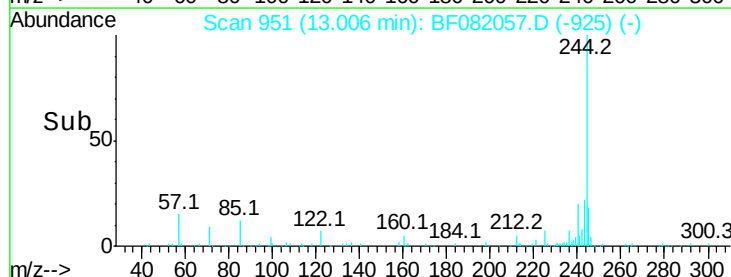
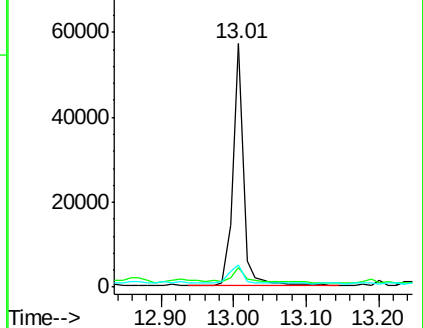
122 9.0 17.4 26.2#

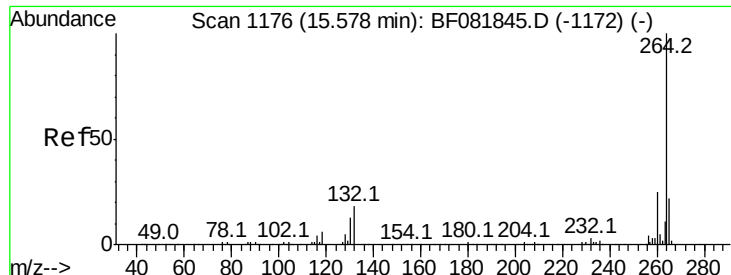


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF082057.D
Acq: 5 Oct 2015 21:28

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)DL

Tot Ion:264 Resp: 212198

Ion	Ratio	Lower	Upper
264	100		
260	22.8	16.7	25.1
265	21.9	17.2	25.8

