

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089489.D
 Acq On : 1 Aug 2016 2:03
 Operator : UM/SJ
 Sample : H4307-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1057-SOUTH

Quant Time: Aug 01 07:04:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 04:11:30 2016
 Response via : Initial Calibration

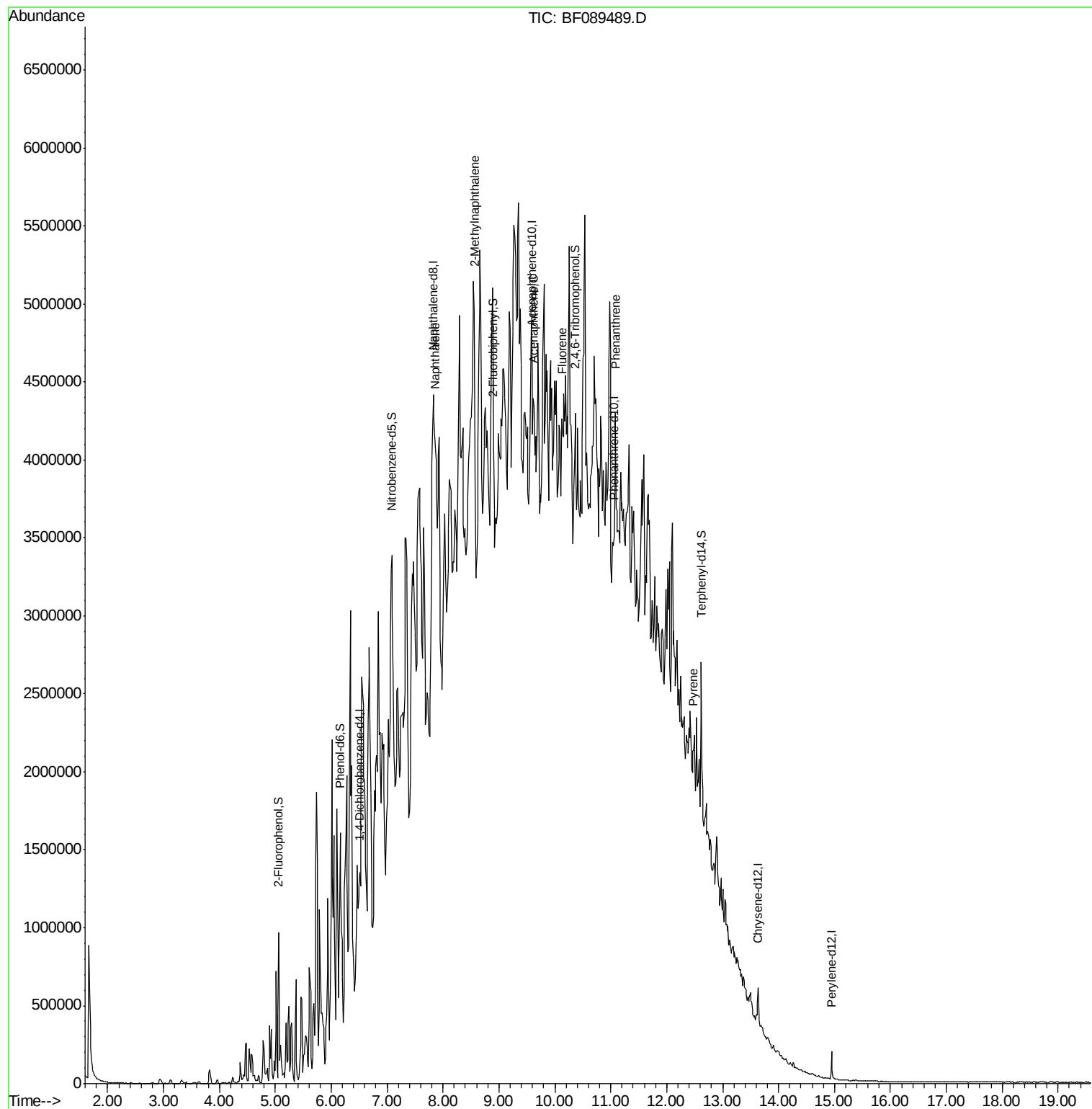
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	35671	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	100904	20.00	ng	0.03
38) Acenaphthene-d10	9.59	164	39540	20.00	ng	0.06
63) Phenanthrene-d10	11.05	188	71520	20.00	ng	0.05
75) Chrysene-d12	13.63	240	90705	20.00	ng	0.01
86) Perylene-d12	14.95	264	70404	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	349777	156.57	ng	0.00
7) Phenol-d6	6.16	99	395395	133.93	ng	-0.01
23) Nitrobenzene-d5	7.08	82	284865	166.64	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	50063	152.87	ng	0.05
44) 2-Fluorobiphenyl	8.90	172	266112	98.77	ng	0.03
78) Terphenyl-d14	12.62	244	308403	79.58	ng	0.03
Target Compounds						
31) Naphthalene	7.85	128	1043263	208.79	ng	# 88
37) 2-Methylnaphthalene	8.56	142	1591996	528.76	ng	# 95
51) Acenaphthene	9.62	154	97274	41.83	ng	# 56
57) Fluorene	10.12	166	254729	92.08	ng	# 75
70) Phenanthrene	11.08	178	742043	201.17	ng	# 93
77) Pyrene	12.47	202	189391	27.55	ng	# 93

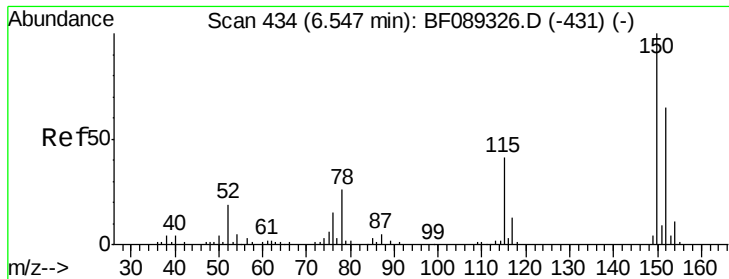
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

1057-SOUTH

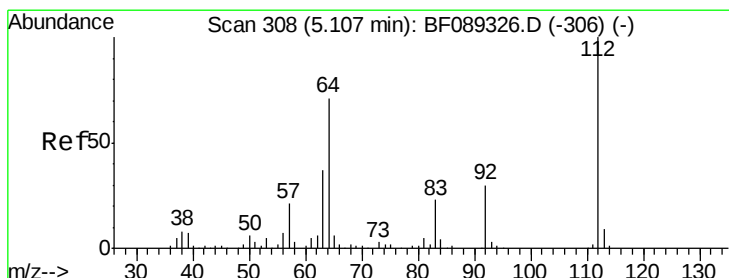
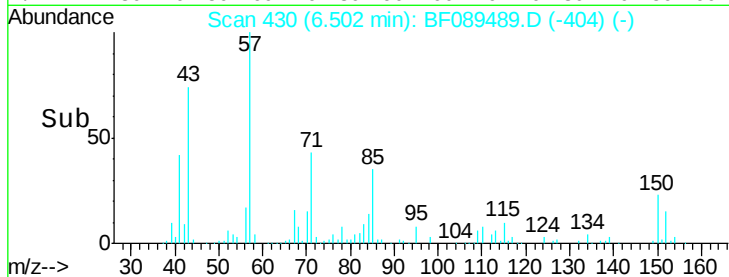
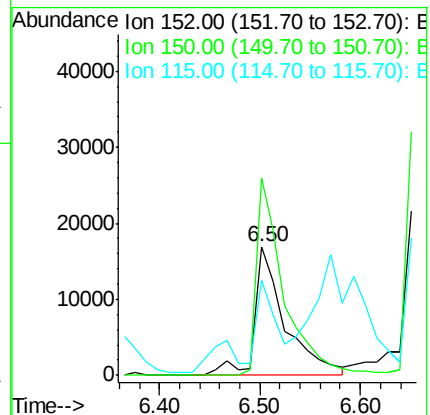
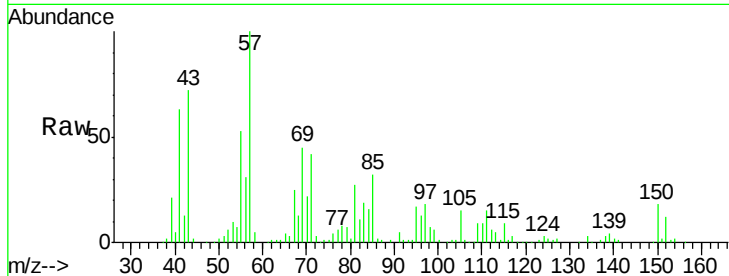
Tot Ion:152 Resp: 35671

Ion Ratio Lower Upper

152 100

150 153.4 129.5 194.3

115 74.2 51.4 77.2



#5

2-Fluorophenol

Concen: 156.57 ng

RT: 5.06 min Scan# 304

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

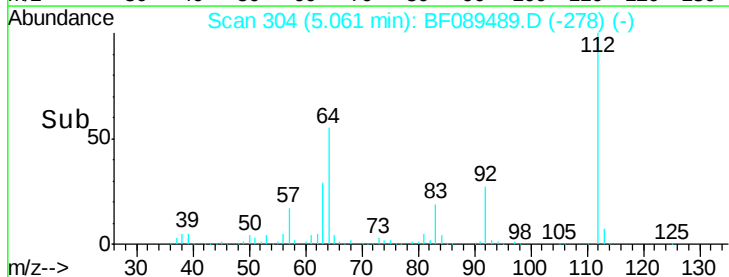
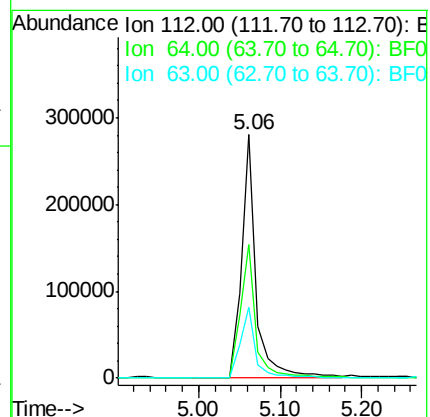
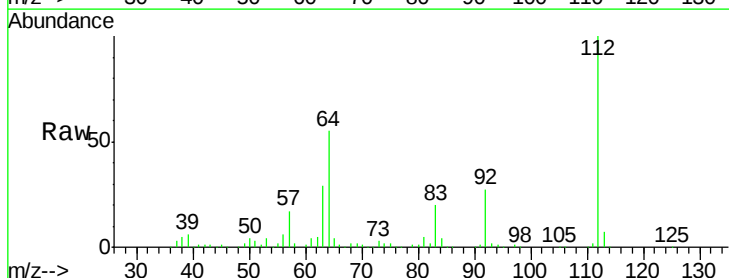
Tgt Ion:112 Resp: 349777

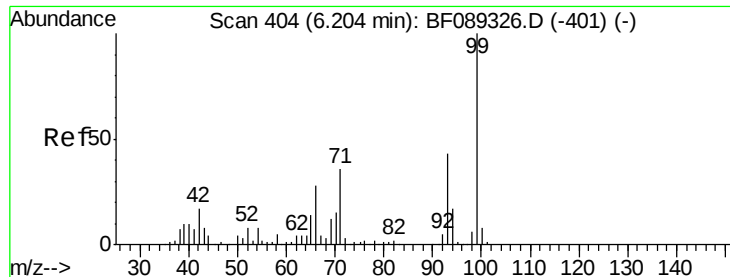
Ion Ratio Lower Upper

112 100

64 54.7 55.0 82.6#

63 29.3 29.4 44.2#





#7

Phenol-d6

Concen: 133.93 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

1057-SOUTH

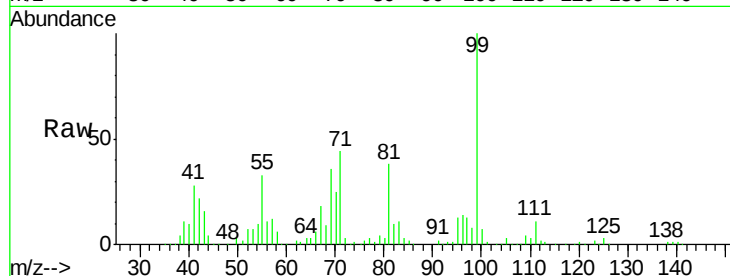
Tot Ion: 99 Resp: 395395

Ion Ratio Lower Upper

99 100

42 22.5 13.6 20.4#

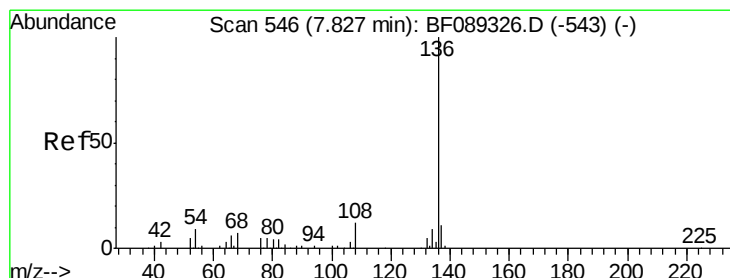
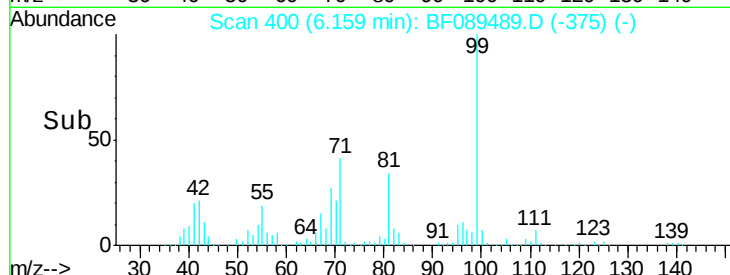
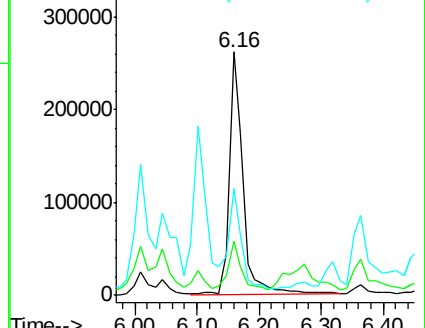
71 43.7 29.4 44.2



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: 7.83 min Scan# 546

Delta R.T. 0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Tgt Ion: 136 Resp: 100904

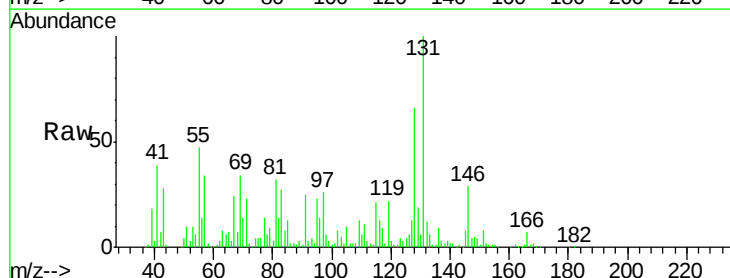
Ion Ratio Lower Upper

136 100

137 35.6 8.6 13.0#

54 69.4 7.0 10.4#

68 86.3 4.9 7.3#

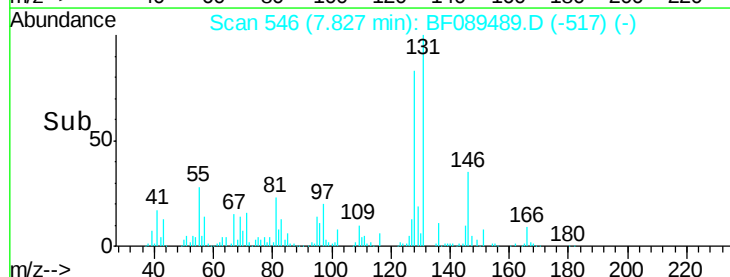
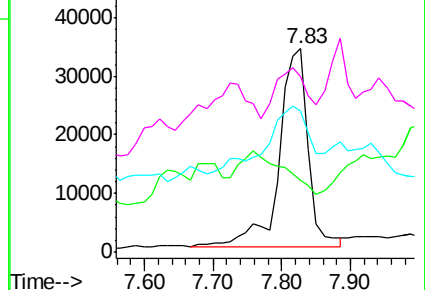


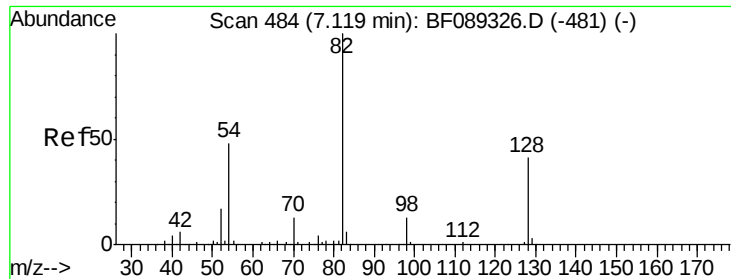
Abundance Ion 136.00 (135.70 to 136.70): E

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

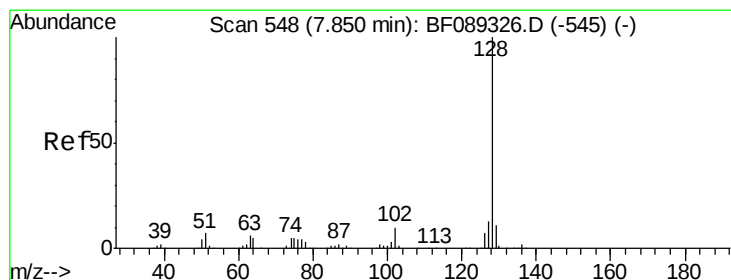
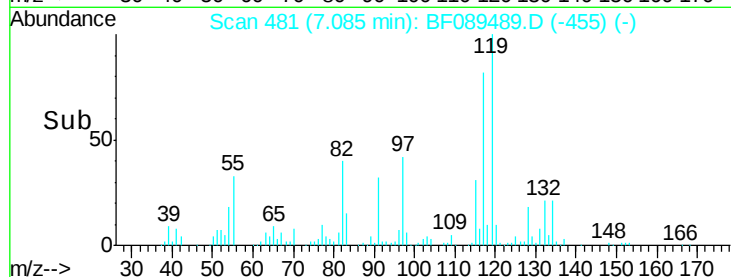
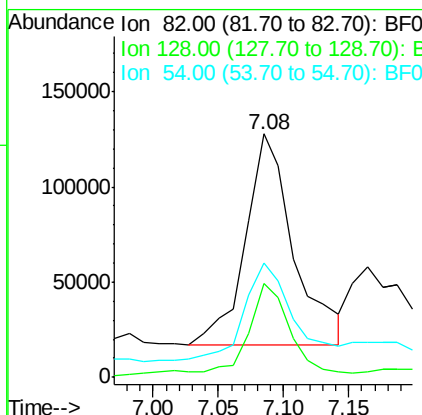
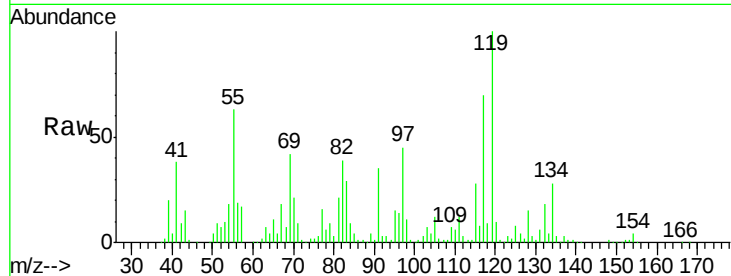




#23
Nitrobenzene-d5
Concen: 166.64 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

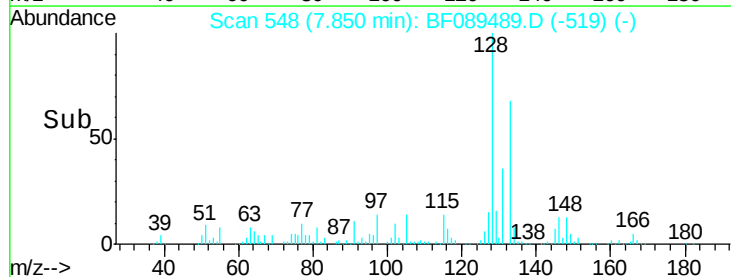
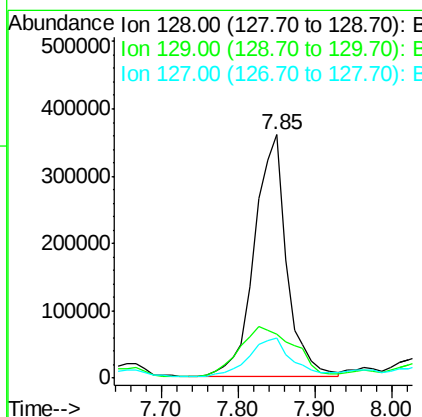
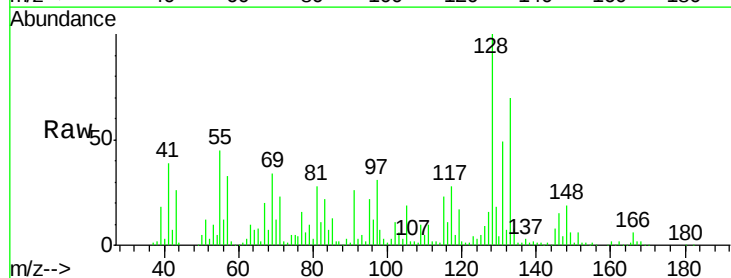
Instrument :
BNA_F
ClientSampleId :
1057-SOUTH

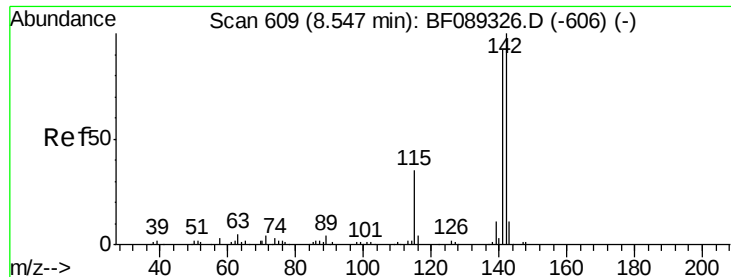
Tot Ion	82	Resp	284865
Ion Ratio	Lower	Upper	
82	100		
128	38.5	32.5	48.7
54	46.9	38.8	58.2



#31
Naphthalene
Concen: 208.79 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.03 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion	128	Resp	1043263
Ion Ratio	Lower	Upper	
128	100		
129	18.2	8.8	13.2#
127	16.3	10.8	16.2#

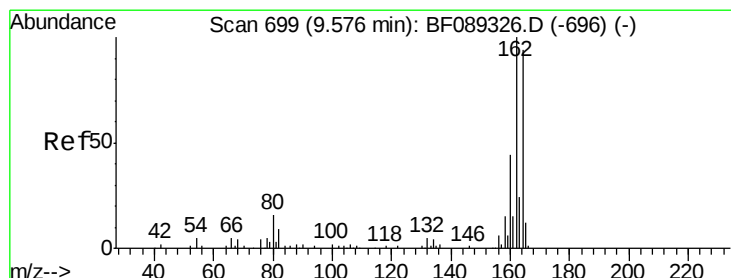
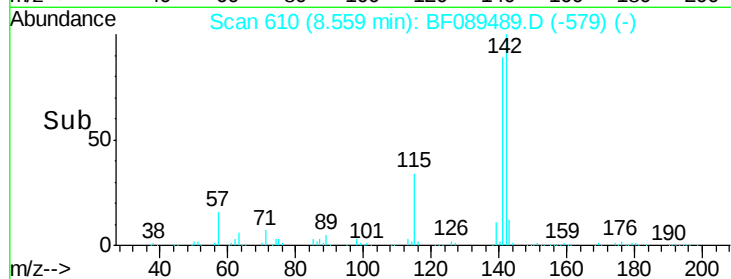
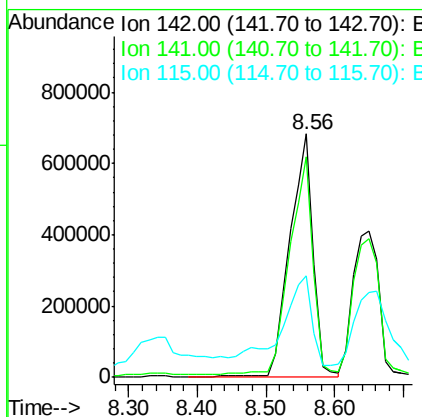
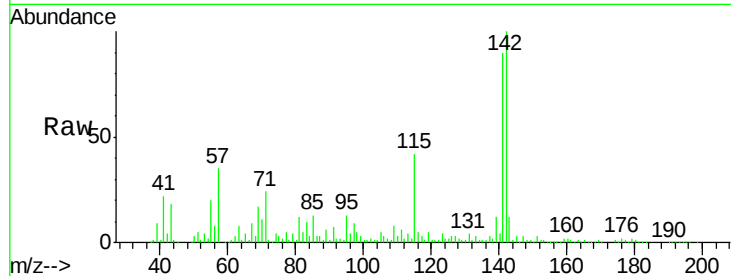




#37
 2-Methylnaphthalene
 Concen: 528.76 ng
 RT: 8.56 min Scan# 610
 Delta R.T. 0.06 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

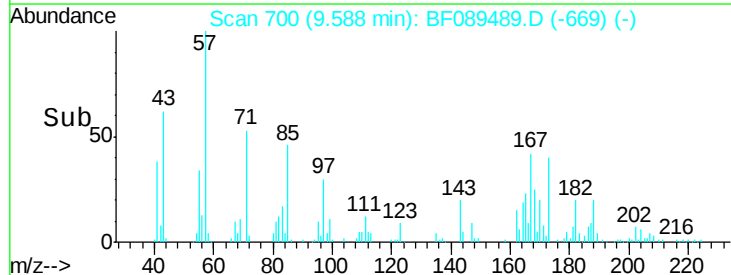
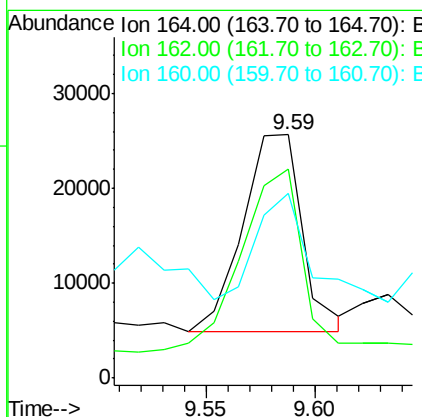
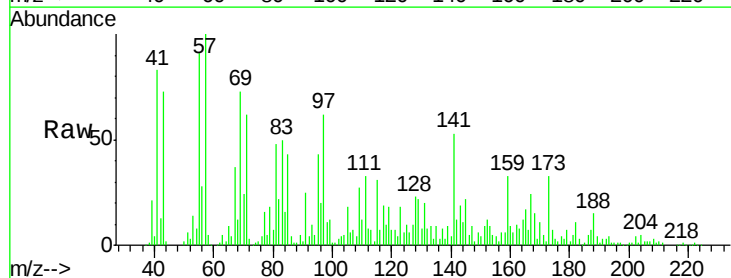
Instrument :
 BNA_F
 ClientSampleId :
 1057-SOUTH

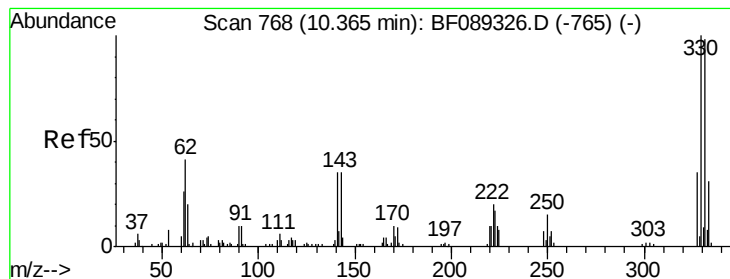
Tot Ion:142 Resp: 1591996
 Ion Ratio Lower Upper
 142 100
 141 90.5 70.9 106.3
 115 41.5 27.6 41.4#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.06 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

Tgt Ion:164 Resp: 39540
 Ion Ratio Lower Upper
 164 100
 162 85.9 83.7 125.5
 160 76.0 37.8 56.6#





#41

2,4,6-Tribromophenol

Concen: 152.87 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

1057-SOUTH

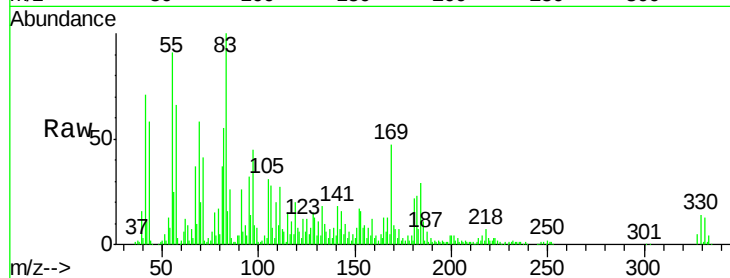
Tot Ion:330 Resp: 50063

Ion Ratio Lower Upper

330 100

332 95.7 76.8 115.2

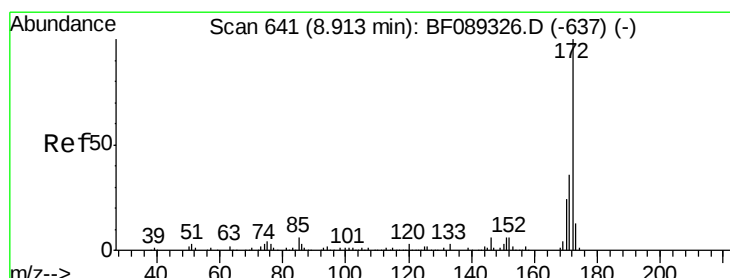
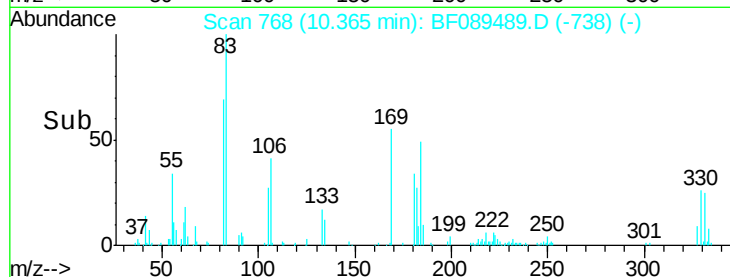
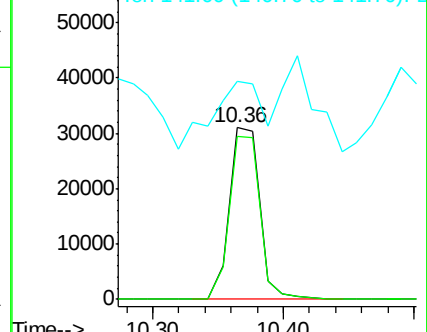
141 64.3 37.3 55.9#



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



#44

2-Fluorobiphenyl

Concen: 98.77 ng

RT: 8.90 min Scan# 640

Delta R.T. 0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

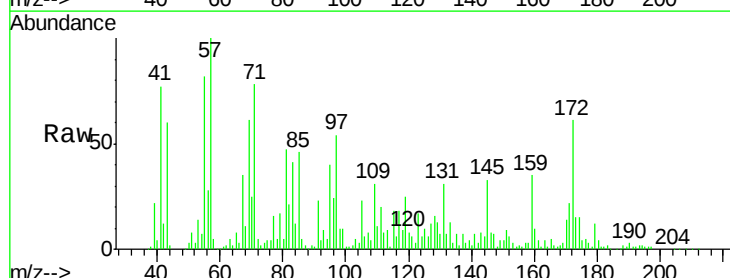
Tgt Ion:172 Resp: 266112

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

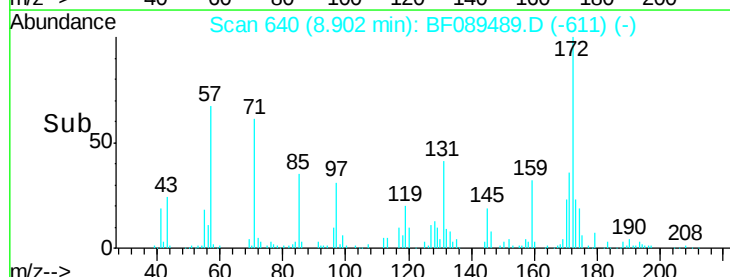
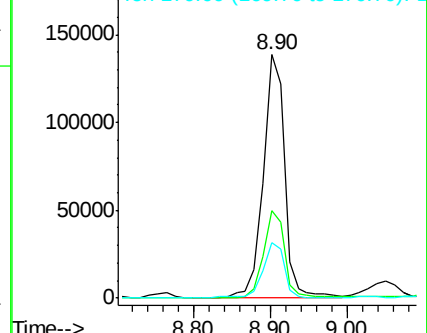
170 22.9 19.2 28.8

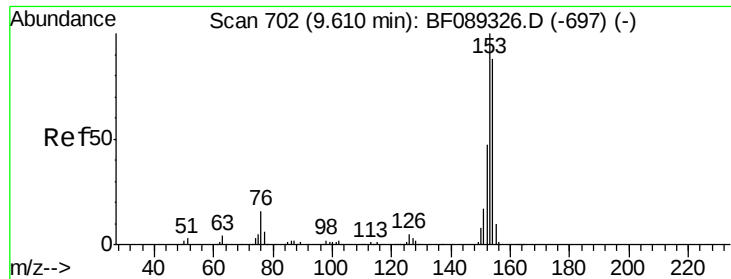


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 41.83 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

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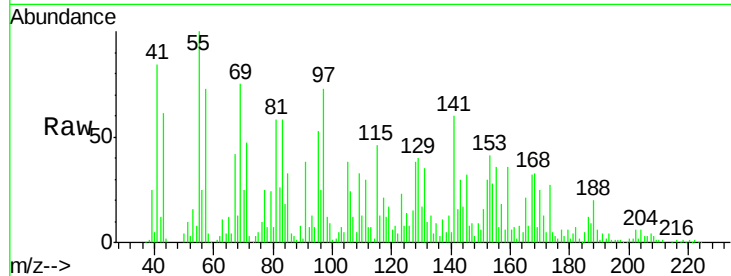
Tot Ion:154 Resp: 97274

Ion Ratio Lower Upper

154 100

153 146.4 91.4 137.2#

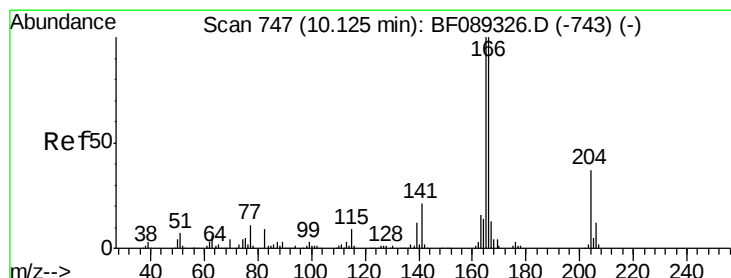
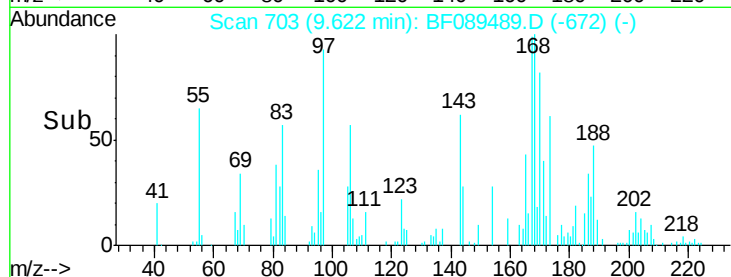
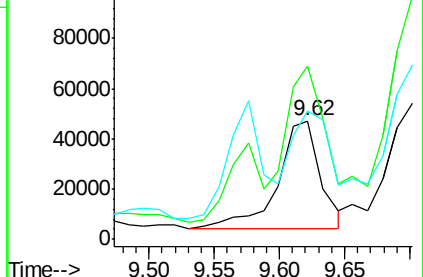
152 108.4 43.8 65.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 92.08 ng

RT: 10.12 min Scan# 747

Delta R.T. 0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

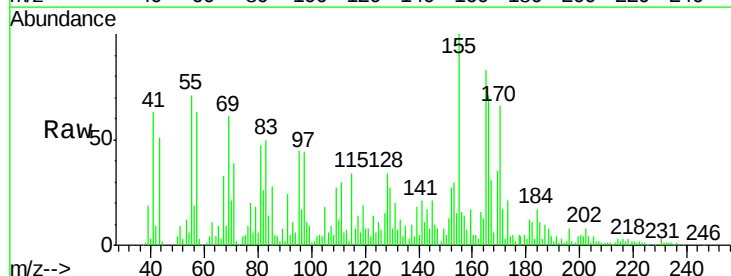
Tgt Ion:166 Resp: 254729

Ion Ratio Lower Upper

166 100

165 116.5 79.0 118.4

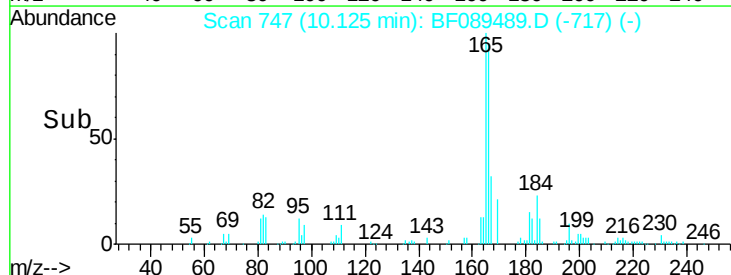
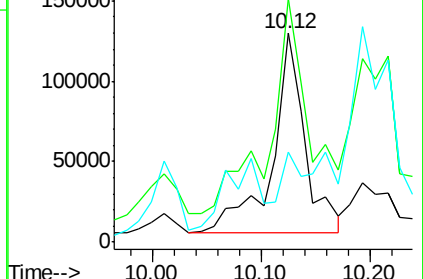
167 43.1 10.2 15.2#

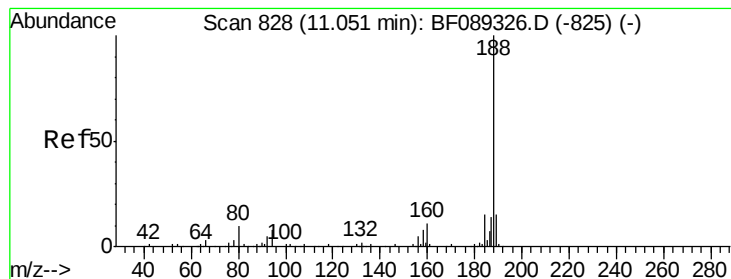


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. 0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

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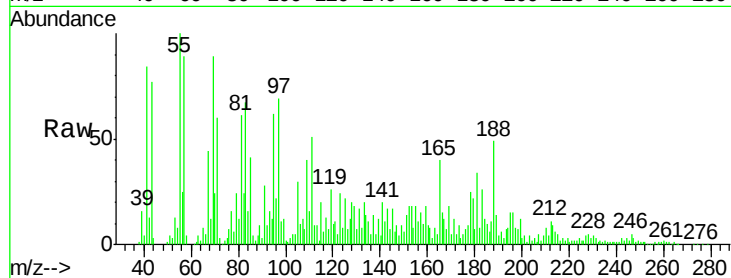
Tot Ion:188 Resp: 71520

Ion Ratio Lower Upper

188 100

94 25.1 6.5 9.7#

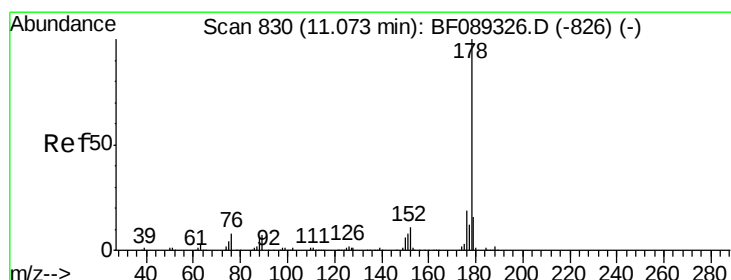
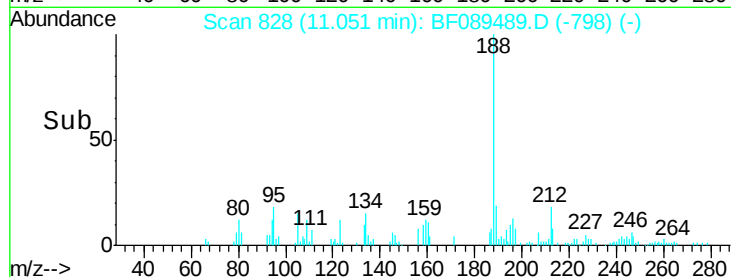
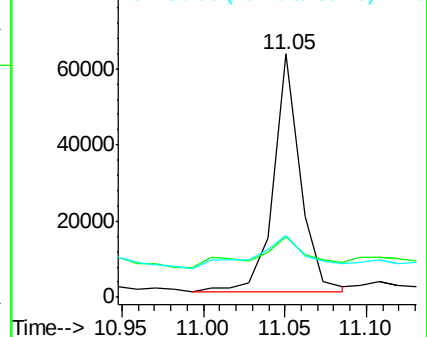
80 25.3 7.2 10.8#



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: 201.17 ng

RT: 11.08 min Scan# 831

Delta R.T. 0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

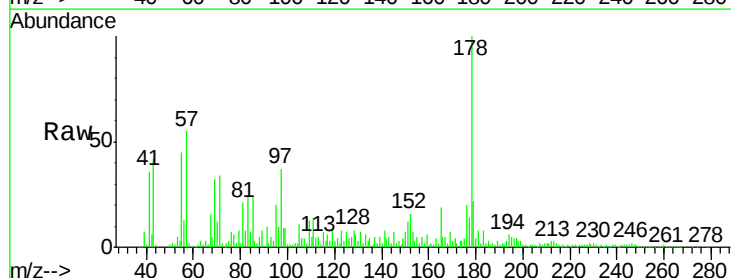
Tgt Ion:178 Resp: 742043

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

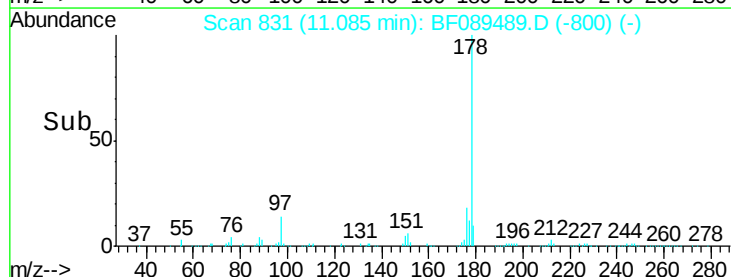
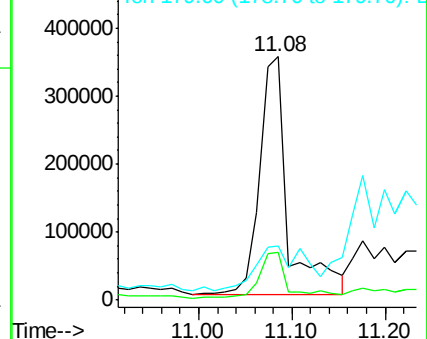
179 22.3 12.3 18.5#

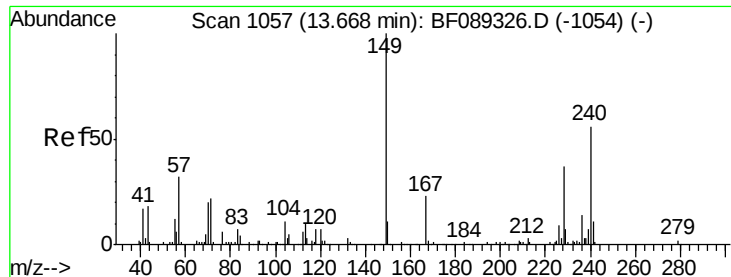


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.63 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

1057-SOUTH

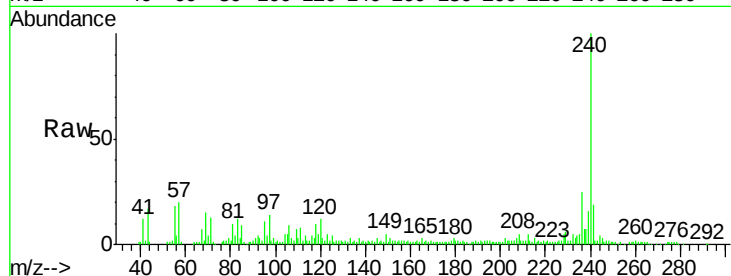
Tot Ion:240 Resp: 90705

Ion Ratio Lower Upper

240 100

120 11.7 9.1 13.7

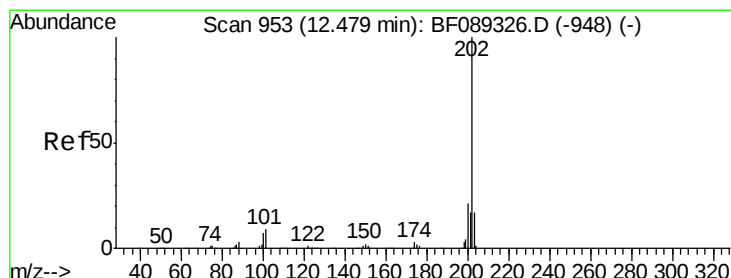
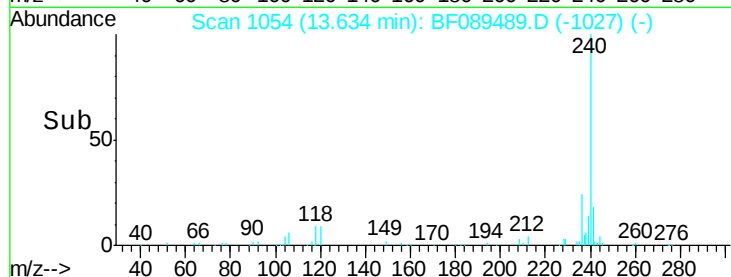
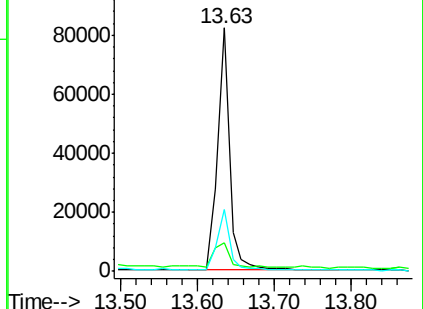
236 25.2 20.6 30.8



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

Pyrene

Concen: 27.55 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

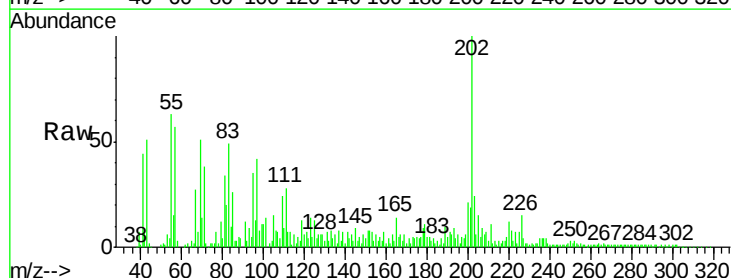
Tgt Ion:202 Resp: 189391

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

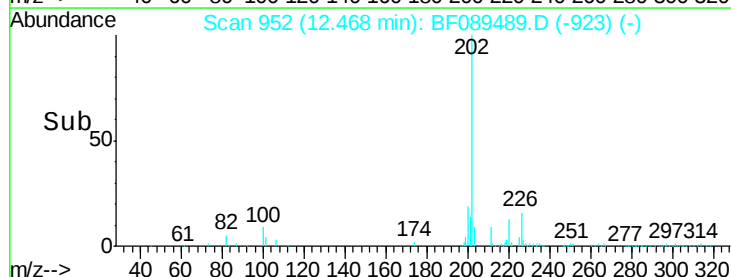
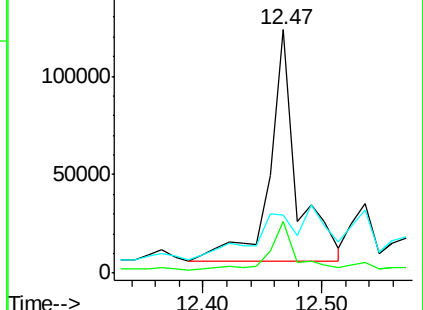
203 24.1 14.0 21.0#

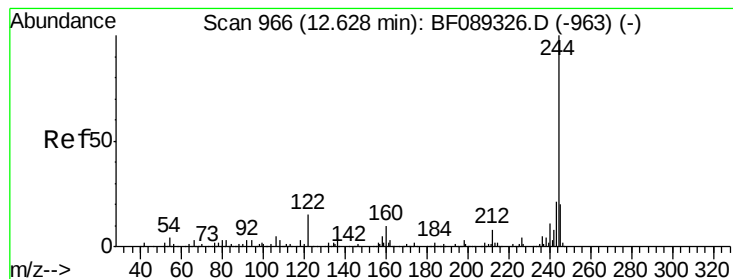


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.58 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

1057-SOUTH

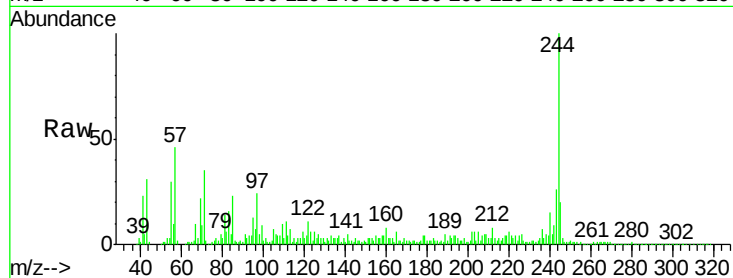
Tot Ion:244 Resp: 308403

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

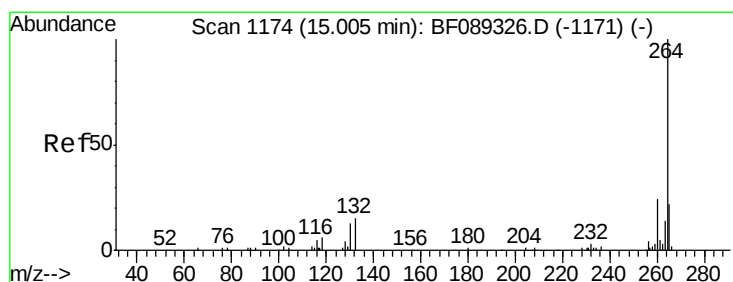
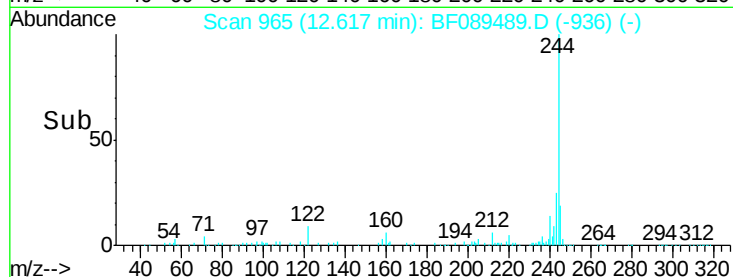
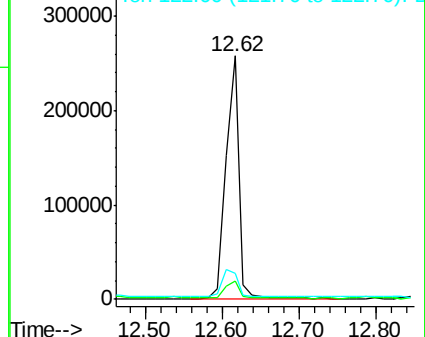
122 10.8 11.4 17.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 14.95 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

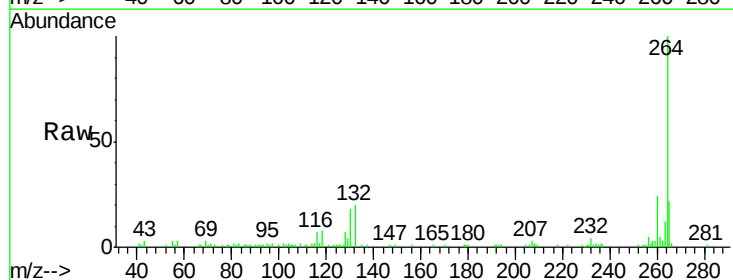
Tgt Ion:264 Resp: 70404

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

