

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
 Data File : BF089289.D
 Acq On : 25 Jul 2016 21:13
 Operator : UM/SJ
 Sample : H4207-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WW-2

Quant Time: Jul 26 14:53:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

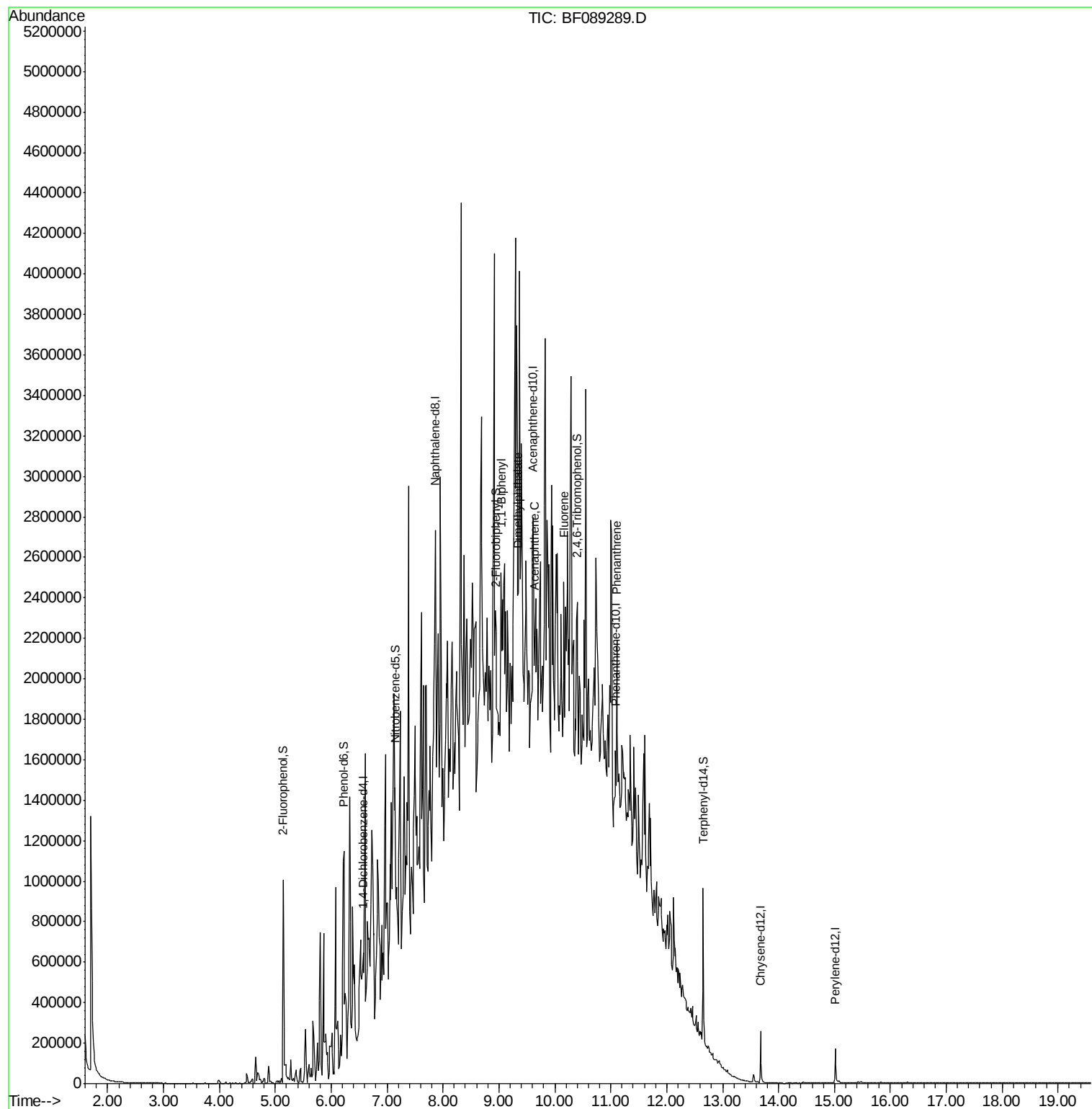
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	48465	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	186411	20.00	ng	0.01
38) Acenaphthene-d10	9.61	164	76756	20.00	ng	0.01
63) Phenanthrene-d10	11.08	188	130165	20.00	ng	0.01
75) Chrysene-d12	13.68	240	100190	20.00	ng	-0.01
86) Perylene-d12	15.02	264	79539	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	344036	107.96	ng	0.00
7) Phenol-d6	6.23	99	449836	109.47	ng	0.00
23) Nitrobenzene-d5	7.14	82	275824	78.62	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	64949	93.98	ng	0.01
44) 2-Fluorobiphenyl	8.95	172	395133	70.93	ng	0.01
78) Terphenyl-d14	12.65	244	242774	52.56	ng	0.00
Target Compounds						Qvalue
45) 1,1'-Biphenyl	9.04	154	91175	13.19	ng	97
49) Dimethylphthalate	9.35	163	122717	20.83	ng	# 94
51) Acenaphthene	9.64	154	72412	14.82	ng	94
57) Fluorene	10.16	166	146341	26.12	ng	# 86
70) Phenanthrene	11.11	178	399934	56.01	ng	# 96

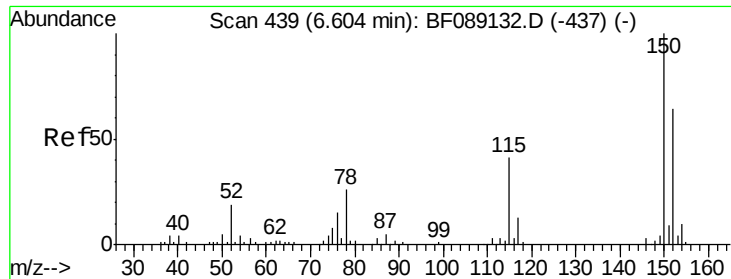
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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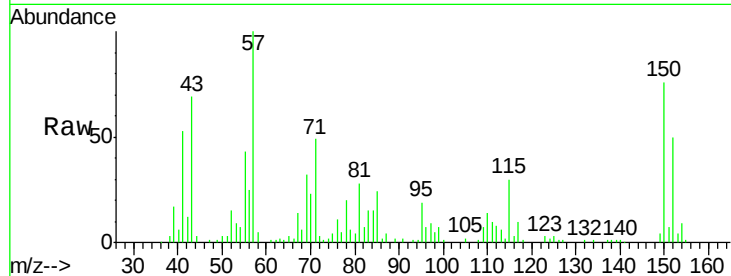


#1

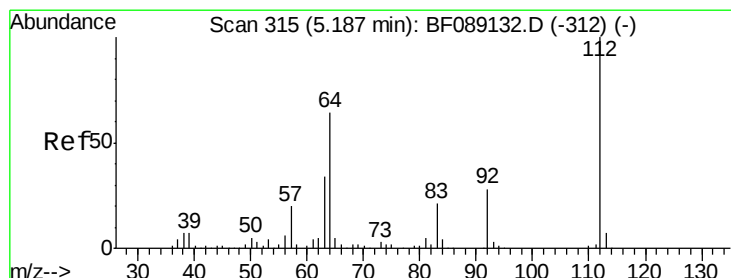
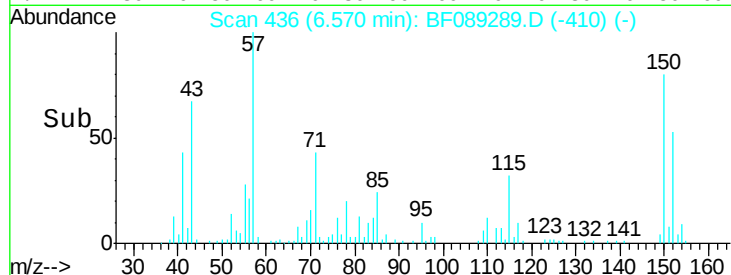
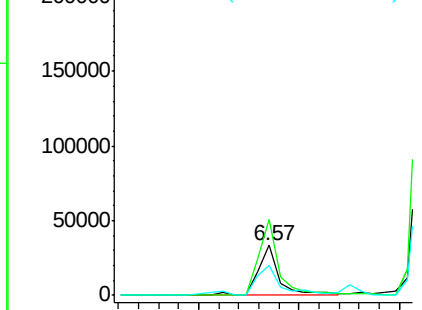
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF089289.D
Acq: 25 Jul 2016 21:13

Instrument :
BNA_F
ClientSampled :
WW-2

Tot Ion:152 Resp: 48465
Ion Ratio Lower Upper
152 100
150 151.6 125.1 187.7
115 60.4 51.1 76.7



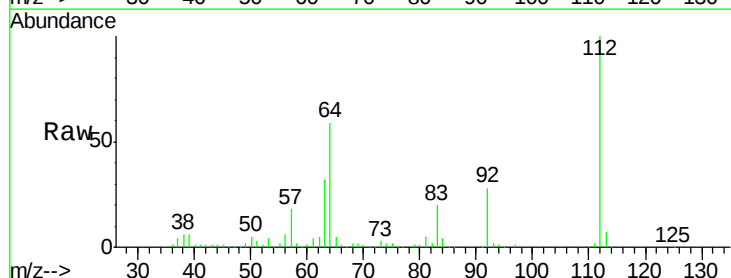
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



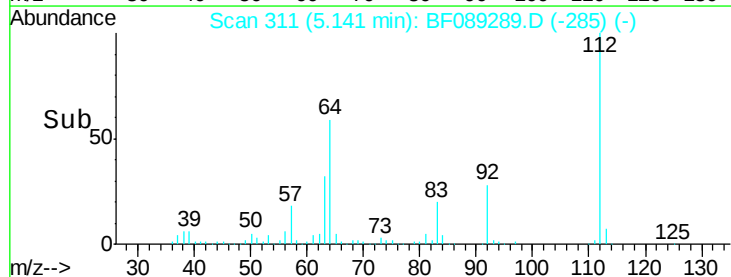
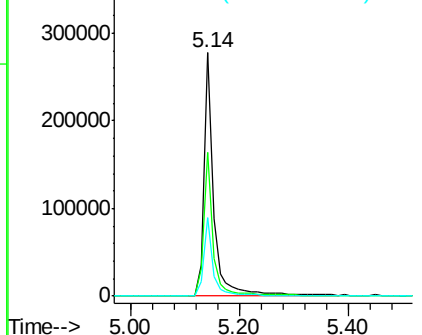
#5

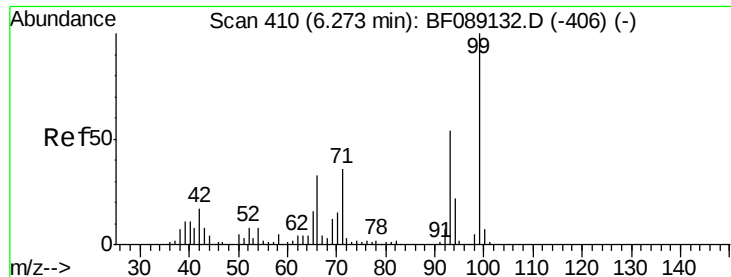
2-Fluorophenol
Concen: 107.96 ng
RT: 5.14 min Scan# 311
Delta R.T. 0.00 min
Lab File: BF089289.D
Acq: 25 Jul 2016 21:13

Tgt Ion:112 Resp: 344036
Ion Ratio Lower Upper
112 100
64 59.1 51.0 76.4
63 32.3 27.3 40.9



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: 109.47 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

BNA_F

ClientSampleId :

WW-2

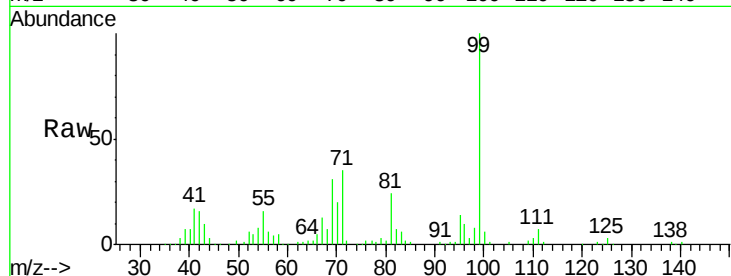
Tot Ion: 99 Resp: 449836

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

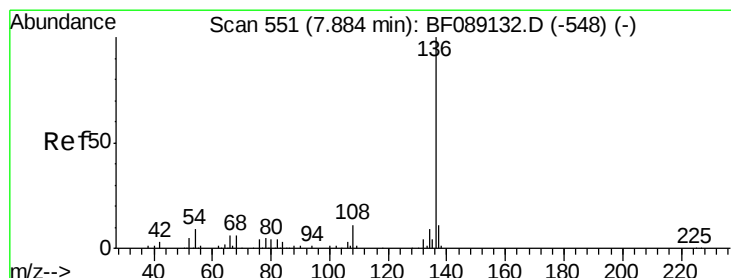
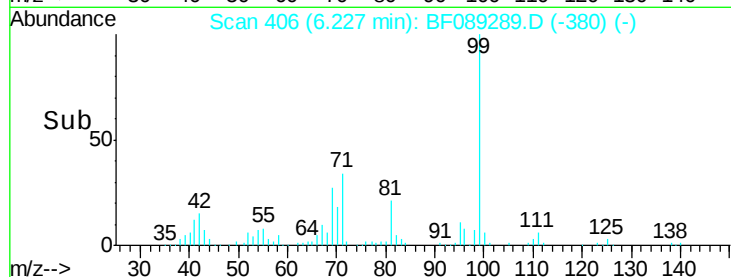
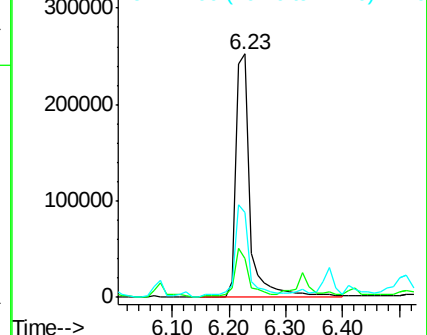
71 35.1 28.9 43.3



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: 7.86 min Scan# 549

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Tgt Ion: 136 Resp: 186411

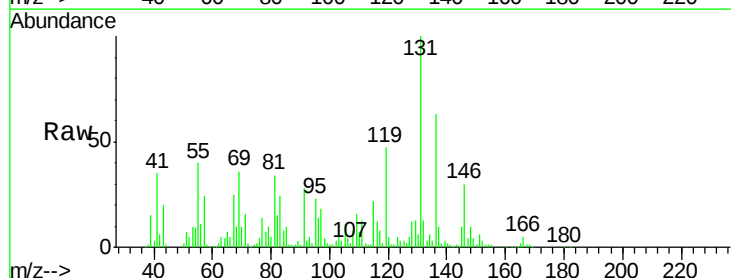
Ion Ratio Lower Upper

136 100

137 15.5 8.8 13.2#

54 13.8 7.0 10.4#

68 16.2 5.0 7.6#

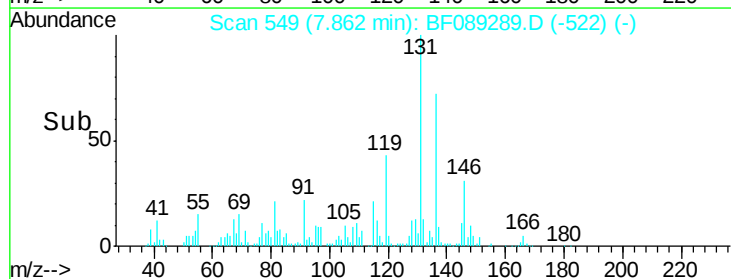
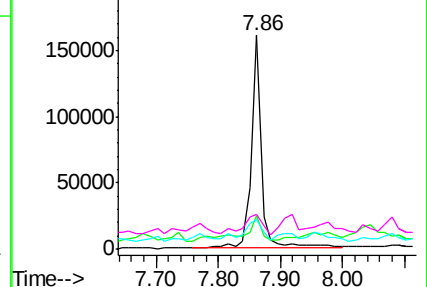


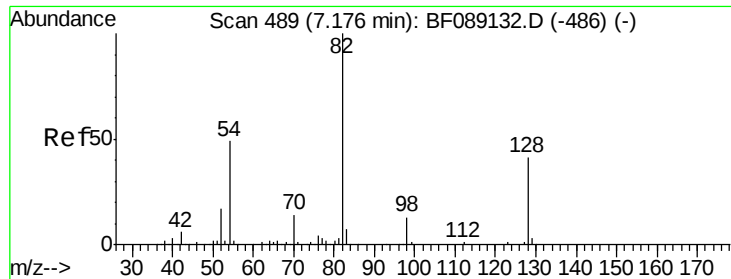
Abundance Ion 136.00 (135.70 to 136.70): E

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

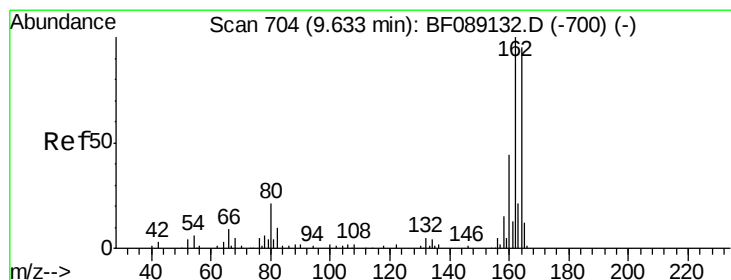
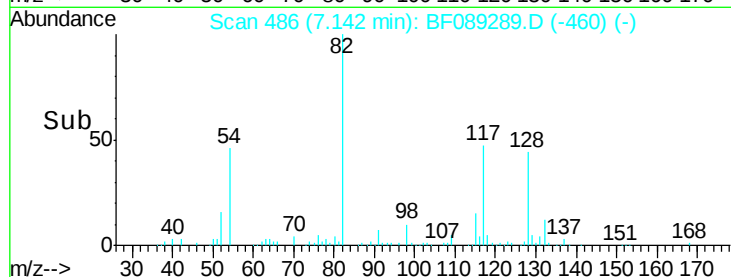
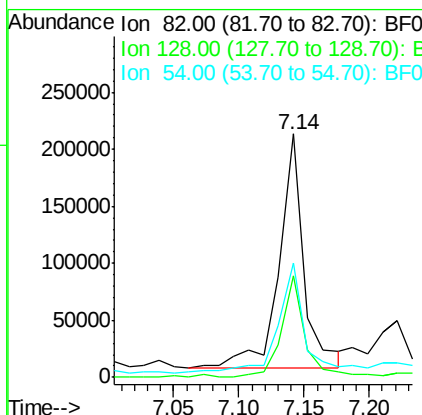
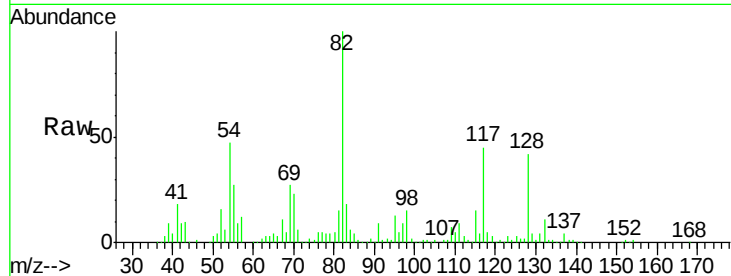




#23
 Nitrobenzene-d5
 Concen: 78.62 ng
 RT: 7.14 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF089289.D
 Acq: 25 Jul 2016 21:13

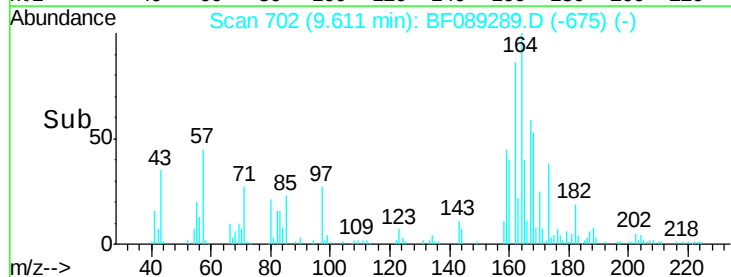
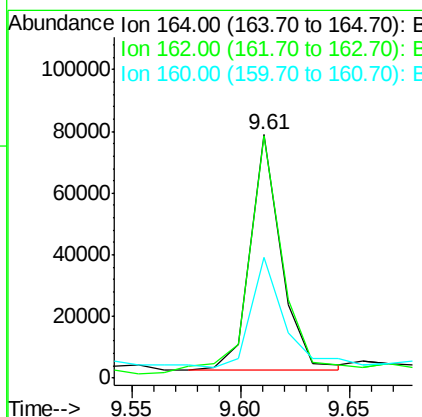
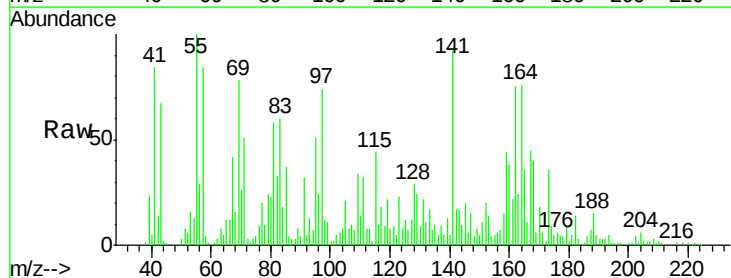
Instrument :
 BNA_F
 ClientSampleId :
 WW-2

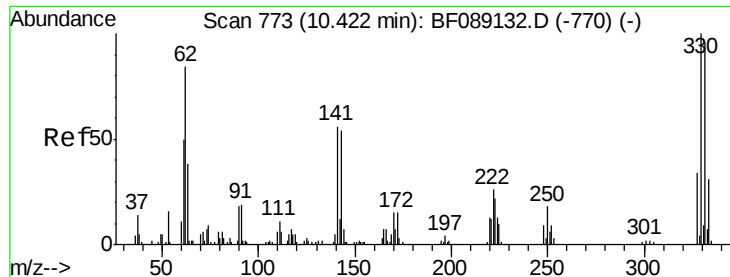
Tot Ion: 82 Resp: 275824
 Ion Ratio Lower Upper
 82 100
 128 41.5 33.0 49.6
 54 46.9 39.0 58.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: BF089289.D
 Acq: 25 Jul 2016 21:13

Tgt Ion: 164 Resp: 76756
 Ion Ratio Lower Upper
 164 100
 162 99.6 84.1 126.1
 160 49.7 37.1 55.7





#41

2,4,6-Tribromophenol

Concen: 93.98 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

BNA_F

ClientSampleId :

WW-2

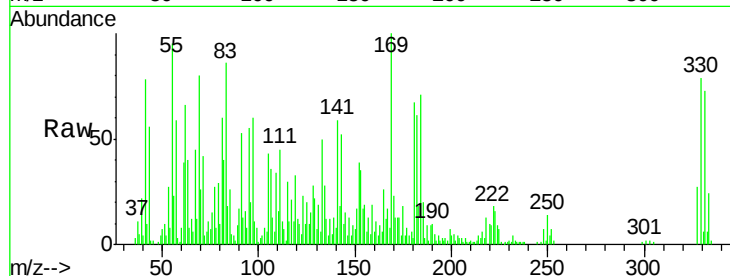
Tot Ion:330 Resp: 64949

Ion Ratio Lower Upper

330 100

332 95.2 77.2 115.8

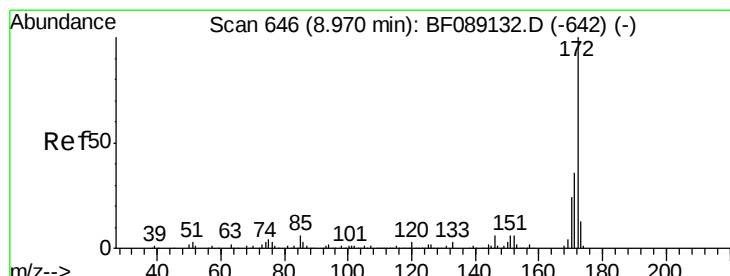
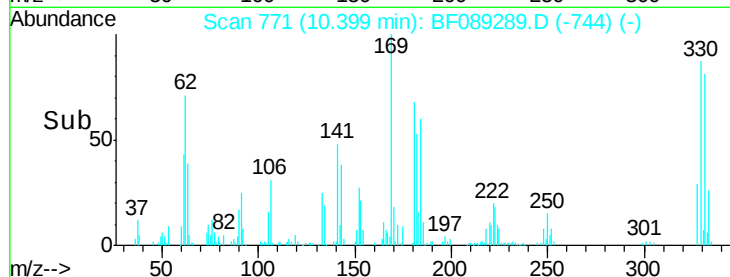
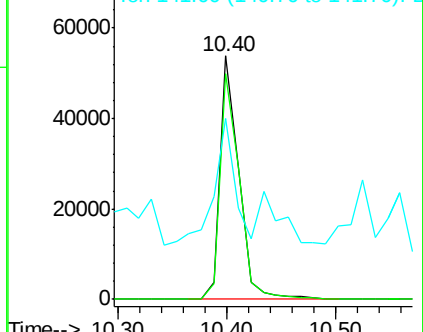
141 52.9 42.2 63.2



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: 70.93 ng

RT: 8.95 min Scan# 644

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

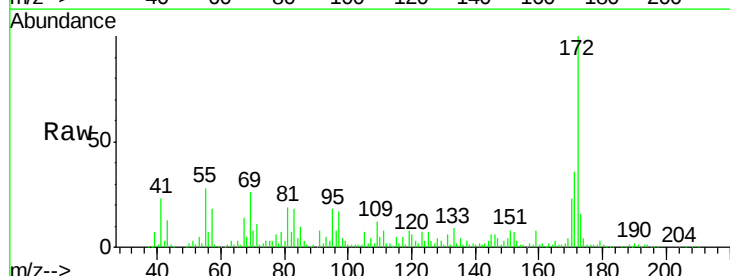
Tgt Ion:172 Resp: 395133

Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

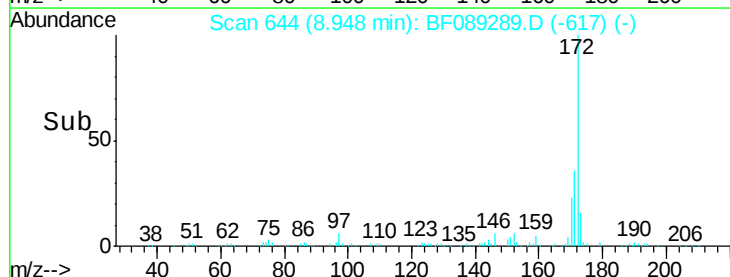
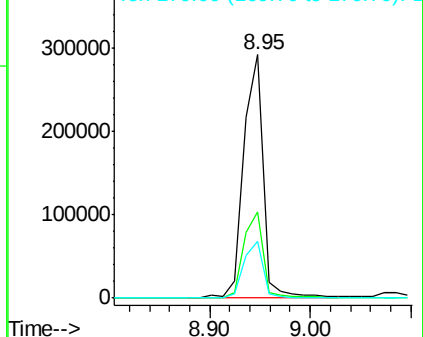
170 23.4 19.1 28.7

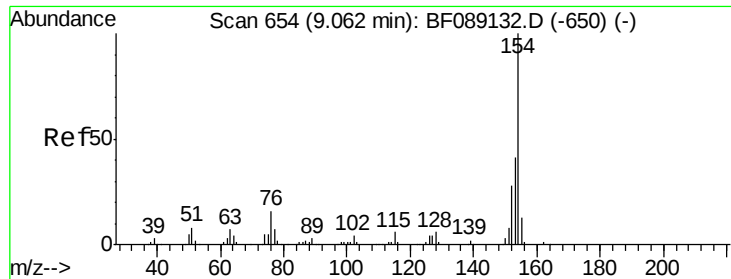


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 13.19 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

BNA_F

ClientSampleId :

WW-2

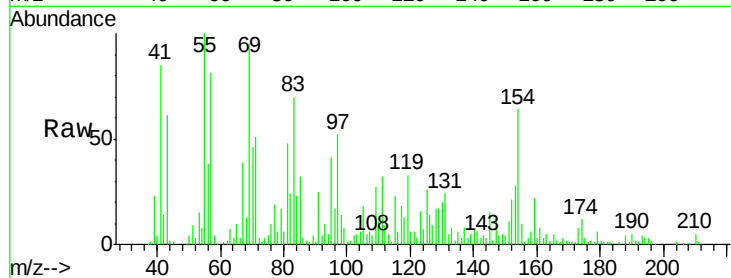
Tot Ion:154 Resp: 91175

Ion Ratio Lower Upper

154 100

153 43.9 21.1 61.1

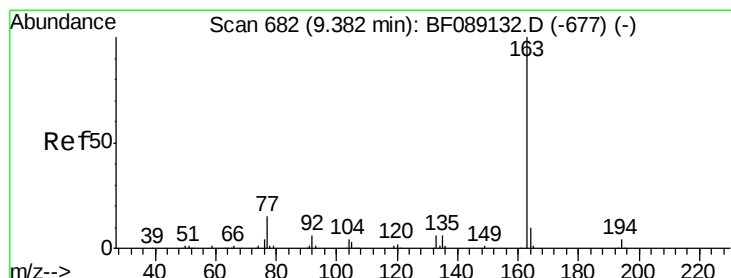
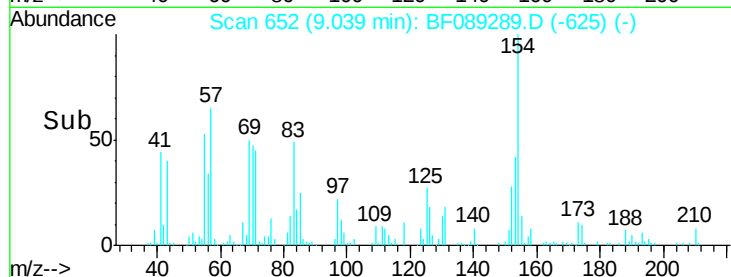
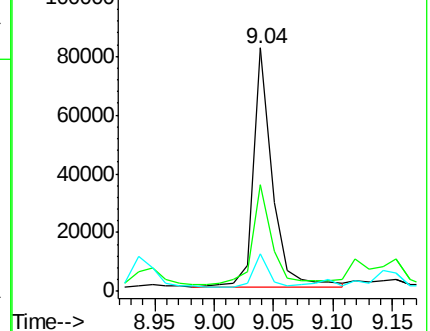
76 15.5 0.0 35.8



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



#49

Dimethylphthalate

Concen: 20.83 ng

RT: 9.35 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

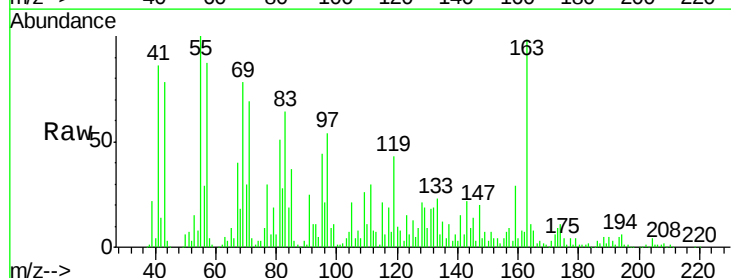
Tgt Ion:163 Resp: 122717

Ion Ratio Lower Upper

163 100

194 6.2 2.9 4.3#

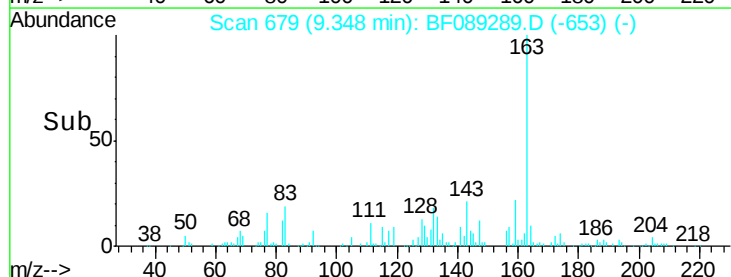
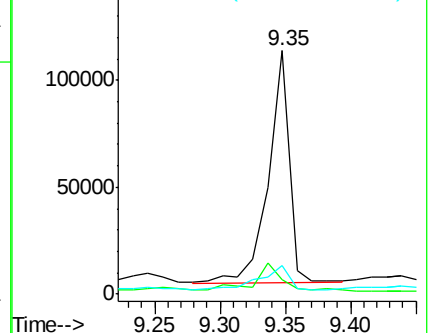
164 11.6 7.6 11.4#

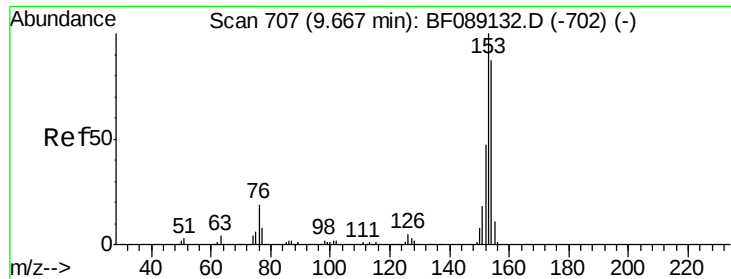


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 14.82 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

BNA_F

ClientSampleId :

WW-2

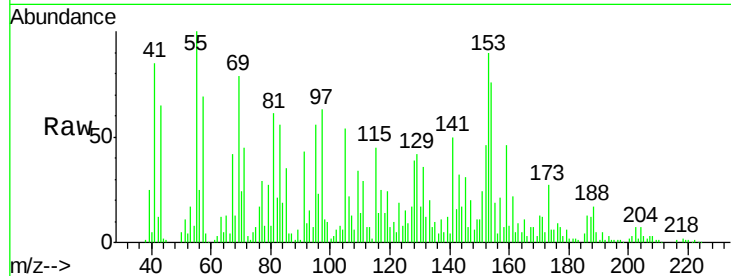
Tot Ion:154 Resp: 72412

Ion Ratio Lower Upper

154 100

153 118.7 91.9 137.9

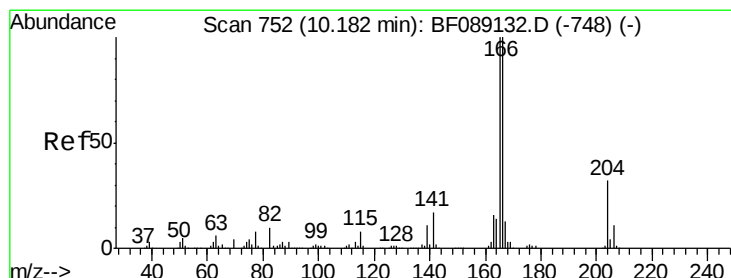
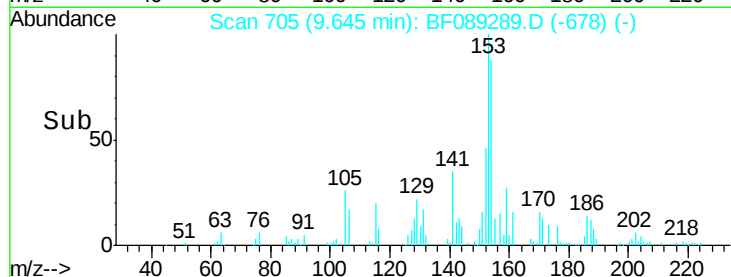
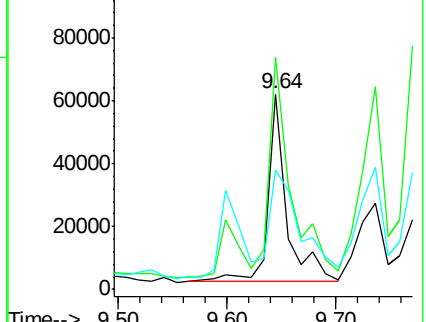
152 61.4 42.8 64.2



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: 26.12 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

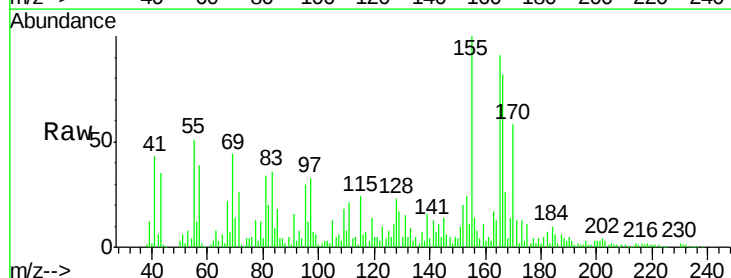
Tgt Ion:166 Resp: 146341

Ion Ratio Lower Upper

166 100

165 110.4 79.9 119.9

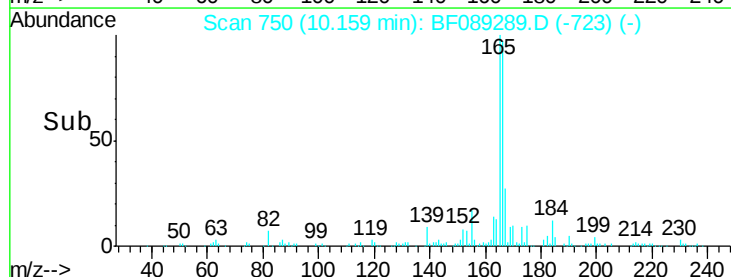
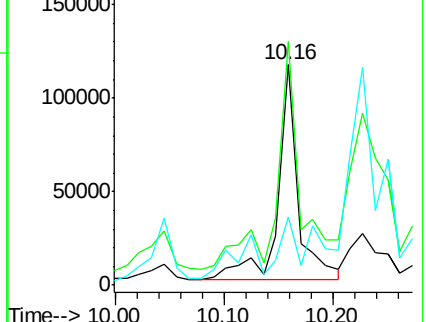
167 31.1 10.7 16.1#

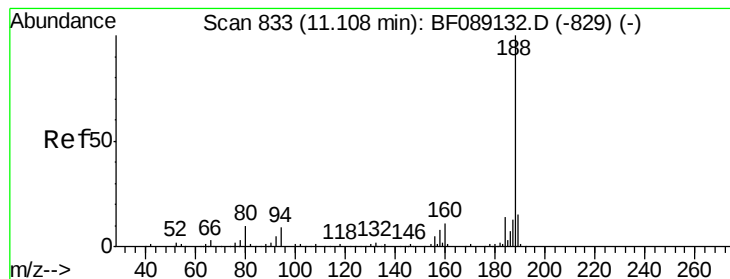


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.08 min Scan# 831

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

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ClientSampleId :

WW-2

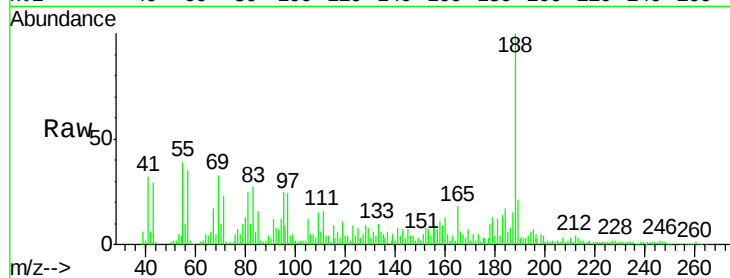
Tot Ion:188 Resp: 130165

Ion Ratio Lower Upper

188 100

94 12.4 7.0 10.4#

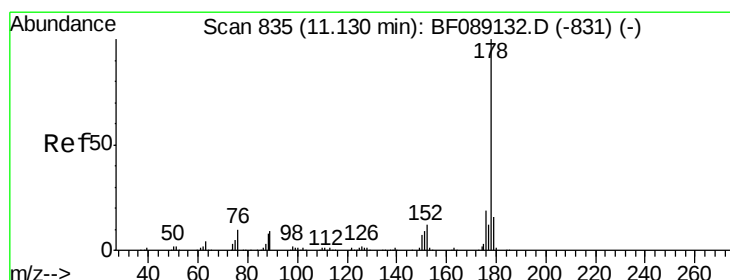
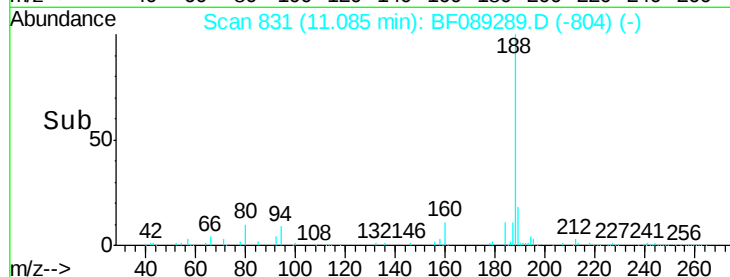
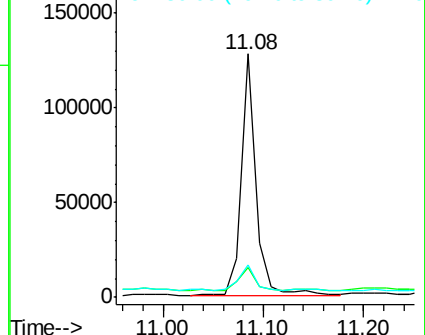
80 13.3 7.7 11.5#



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: 56.01 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

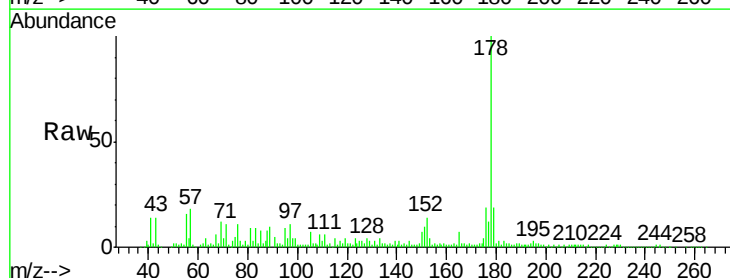
Tgt Ion:178 Resp: 399934

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

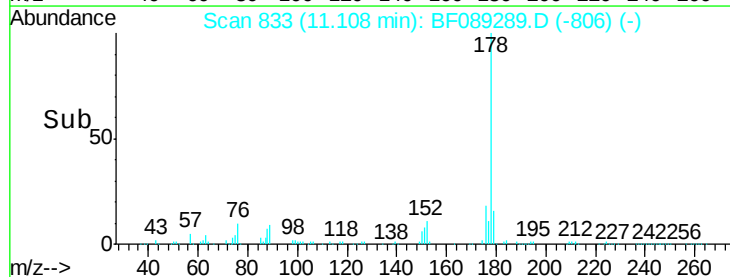
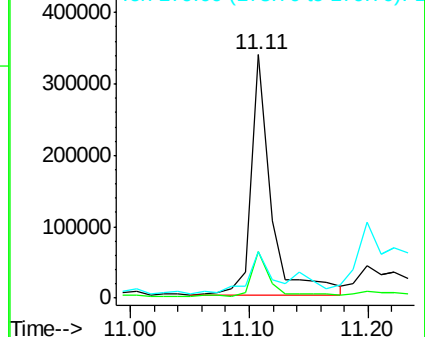
179 18.9 12.4 18.6#

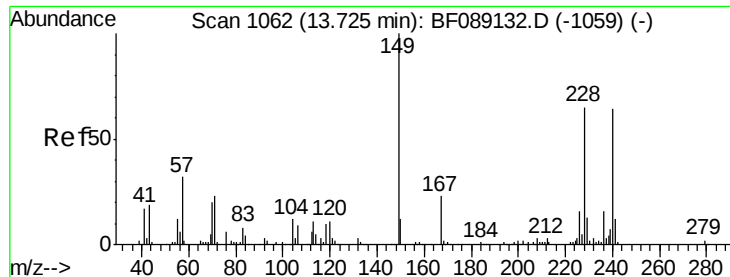


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

Instrument :

BNA_F

ClientSampleId :

WW-2

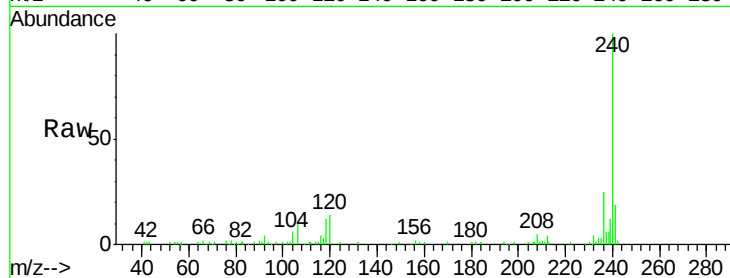
Tot Ion:240 Resp: 100190

Ion Ratio Lower Upper

240 100

120 13.6 13.6 20.4

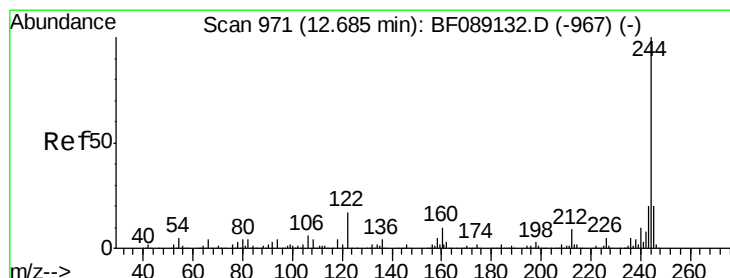
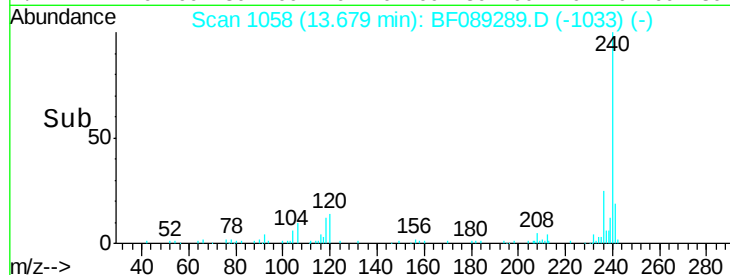
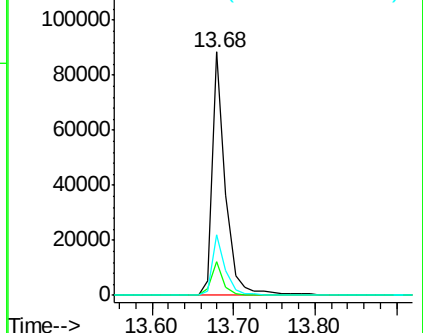
236 24.8 20.5 30.7



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



#78

Terphenyl-d14

Concen: 52.56 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089289.D

Acq: 25 Jul 2016 21:13

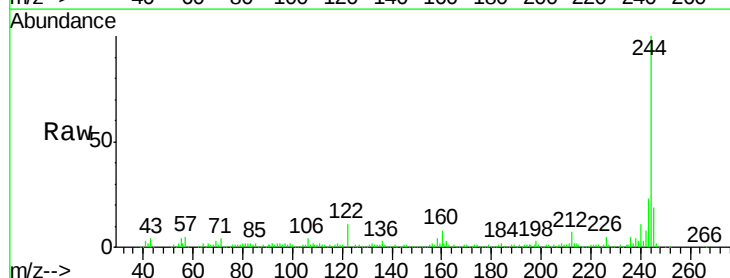
Tgt Ion:244 Resp: 242774

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.4

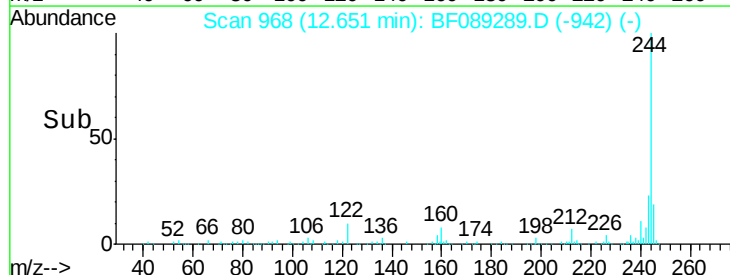
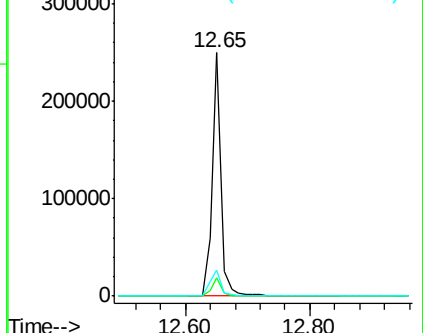
122 10.7 13.8 20.8#

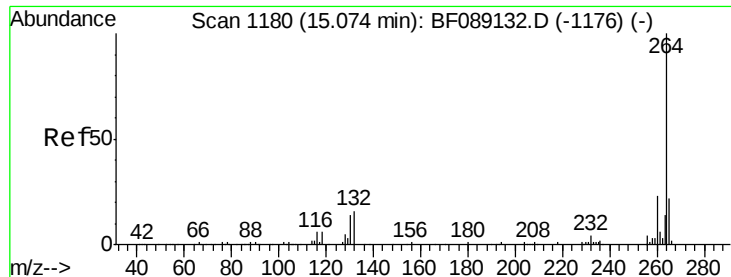


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



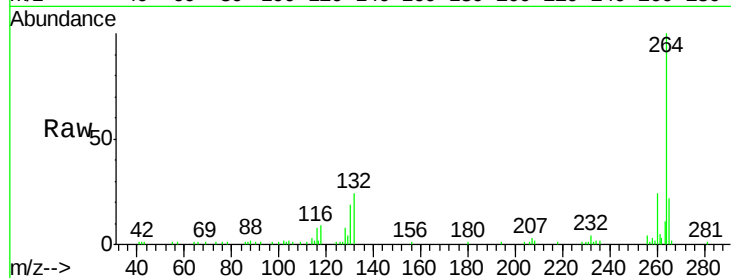


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF089289.D
Acq: 25 Jul 2016 21:13

Instrument :
BNA_F
ClientSampleId :
WW-2

Tot Ion: 264 Resp: 79539

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	22.1	17.3	25.9



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

