

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082616\
 Data File : BF089917.D
 Acq On : 26 Aug 2016 19:40
 Operator : UM/SJ
 Sample : H4490-22
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-6

Quant Time: Aug 26 23:05:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

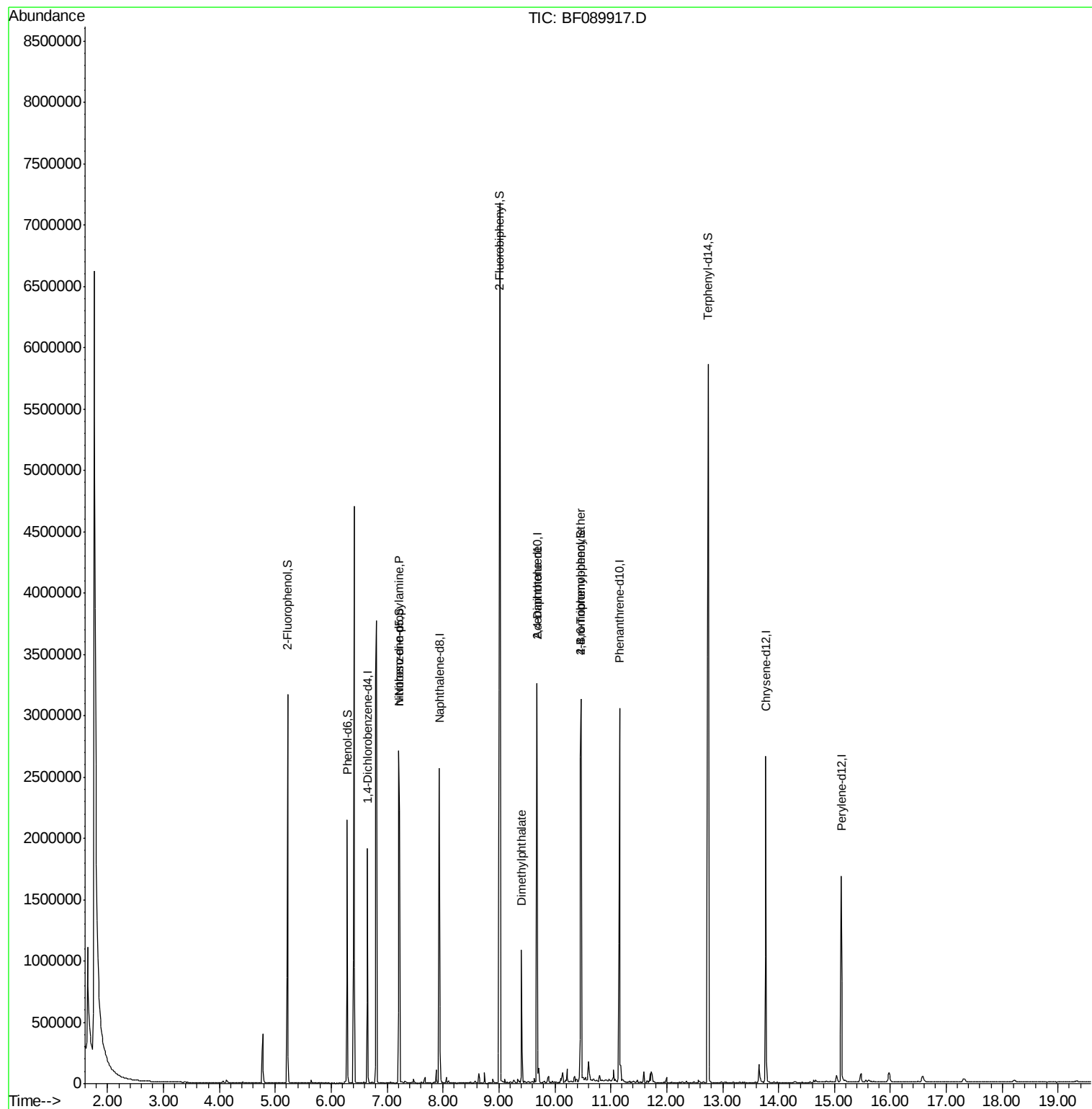
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	323606	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1185695	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	617517	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	1170718	20.00	ng	0.00
75) Chrysene-d12	13.77	240	963601	20.00	ng	-0.01
86) Perylene-d12	15.12	264	768902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	926859	49.12	ng	0.00
7) Phenol-d6	6.28	99	843955	36.43	ng	-0.01
23) Nitrobenzene-d5	7.21	82	1369402	71.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	607278	103.48	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2493345	70.96	ng	0.00
78) Terphenyl-d14	12.74	244	2139476	50.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	172103	11.62	ng	# 73
49) Dimethylphthalate	9.40	163	438993	10.10	ng	99
56) 2,4-Dinitrotoluene	9.68	165	81326	6.24	ng	# 35
66) 4-Bromophenyl-phenylether	10.47	248	34258	2.79	ng	# 1

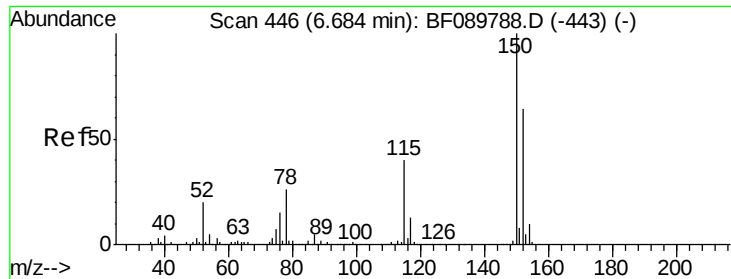
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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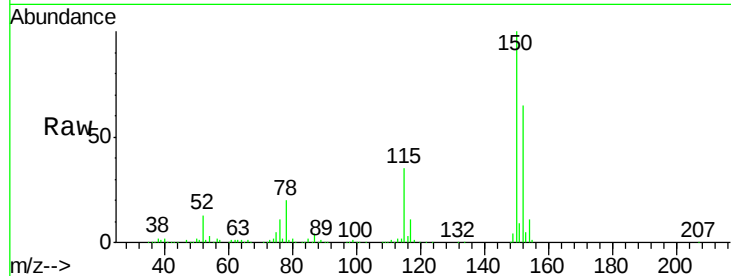


#1

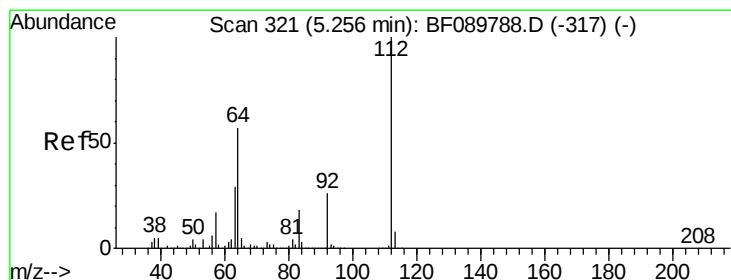
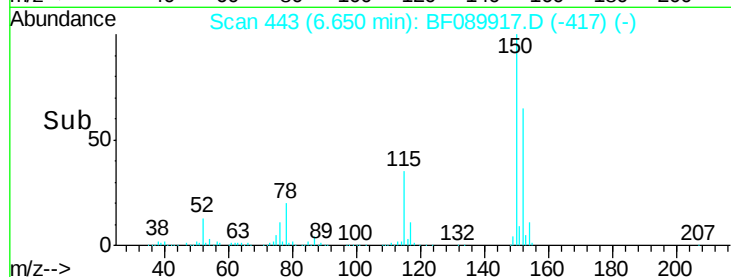
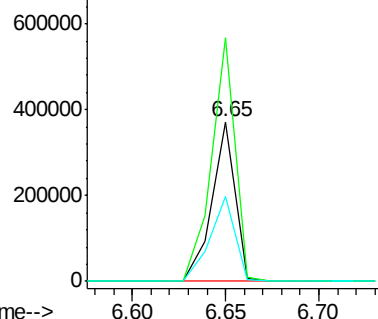
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF089917.D
 Acq: 26 Aug 2016 19:40

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-6

Tgt Ion:152 Resp: 323606
 Ion Ratio Lower Upper
 152 100
 150 153.0 125.3 187.9
 115 53.1 40.9 61.3



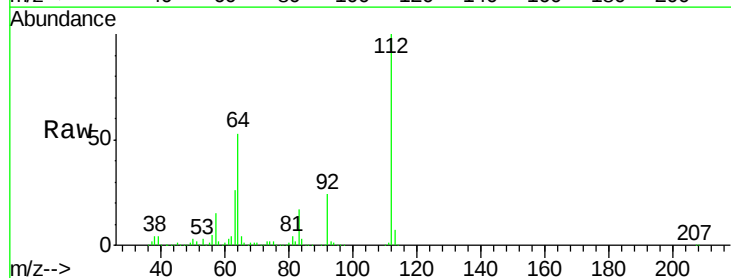
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



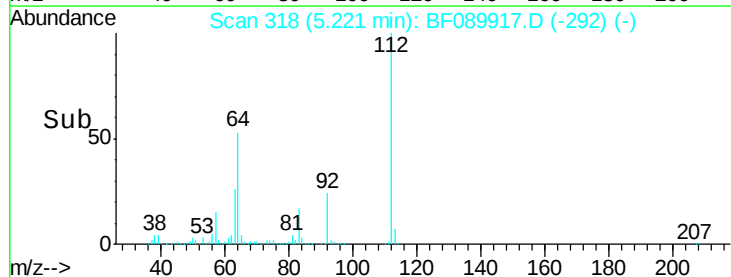
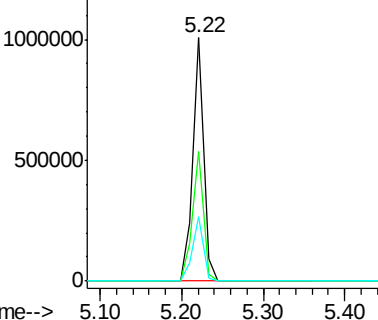
#5

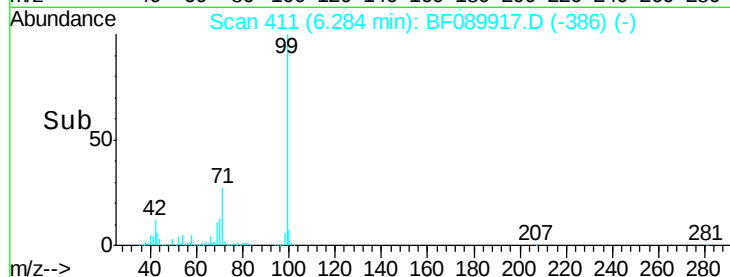
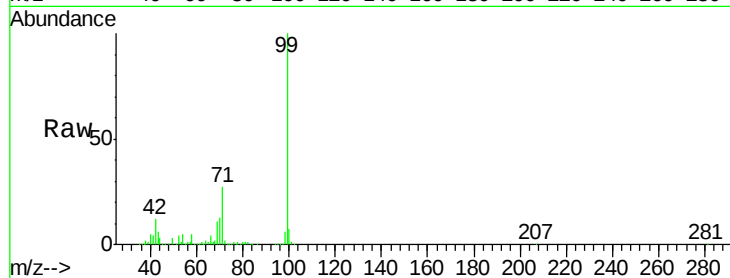
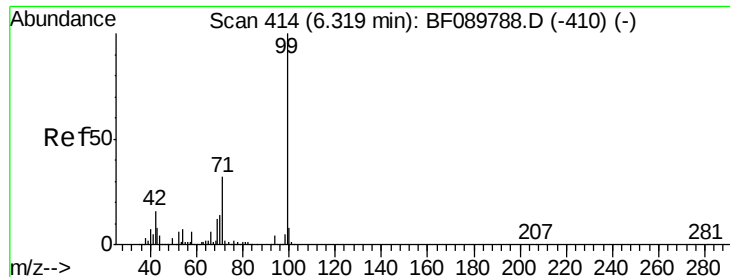
2-Fluorophenol
 Concen: 49.12 ng
 RT: 5.22 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: BF089917.D
 Acq: 26 Aug 2016 19:40

Tgt Ion:112 Resp: 926859
 Ion Ratio Lower Upper
 112 100
 64 53.3 45.0 67.4
 63 26.5 23.1 34.7



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: 36.43 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-6

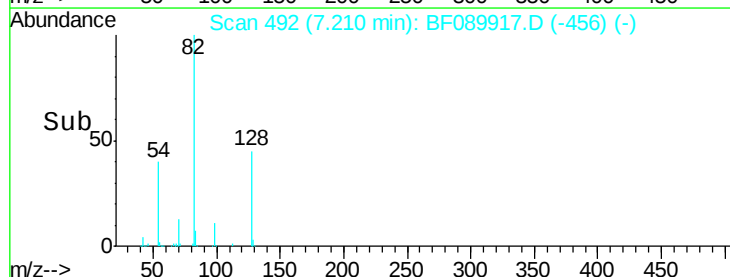
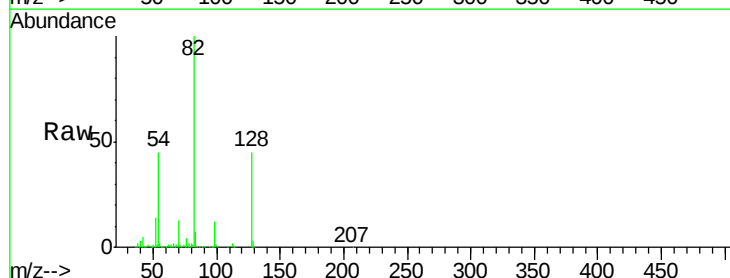
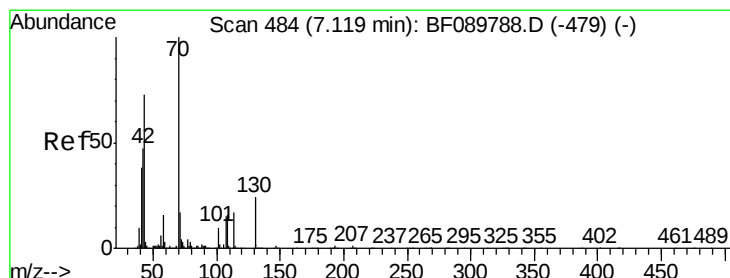
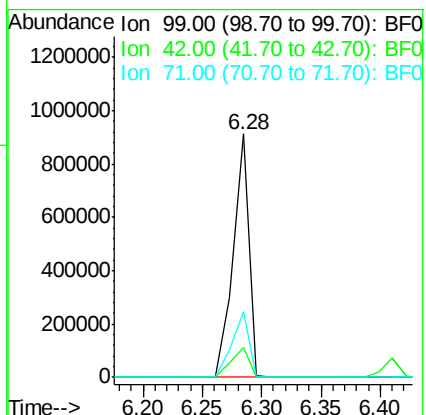
Tgt Ion: 99 Resp: 843955

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.4#

71 27.1 23.8 35.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.62 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.11 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Tgt Ion: 70 Resp: 172103

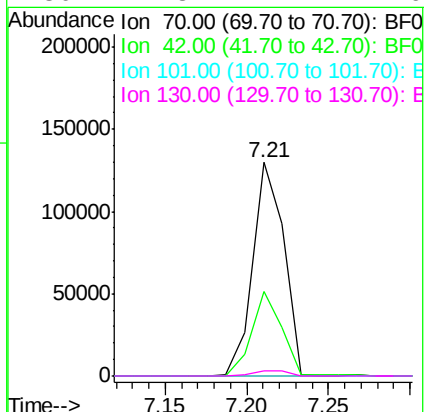
Ion Ratio Lower Upper

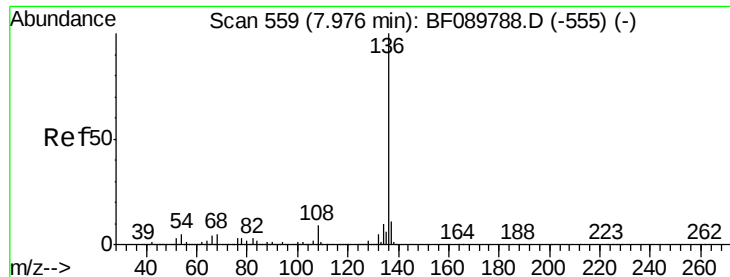
70 100

42 39.7 46.3 69.5#

101 0.0 7.0 10.6#

130 2.3 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-6

Tgt Ion:136 Resp: 1185695

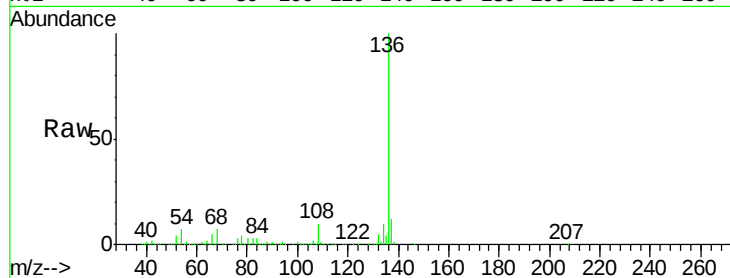
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 7.5 7.2 10.8

68 6.8 5.8 8.8

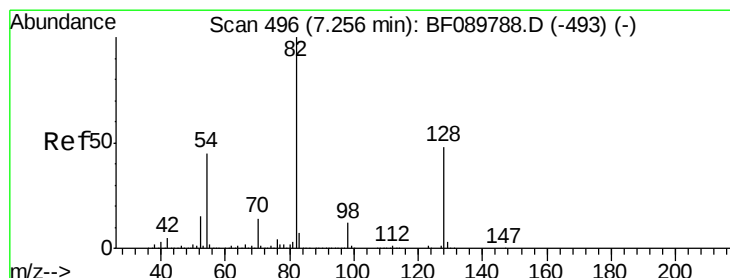
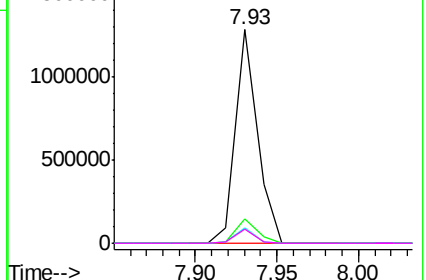
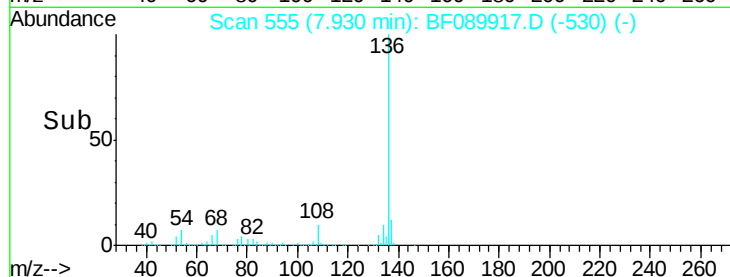


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.75 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

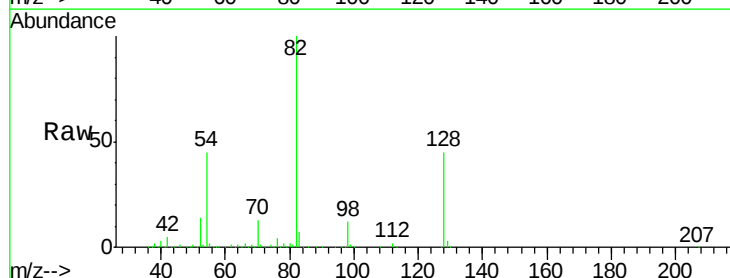
Tgt Ion: 82 Resp: 1369402

Ion Ratio Lower Upper

82 100

128 44.6 34.4 51.6

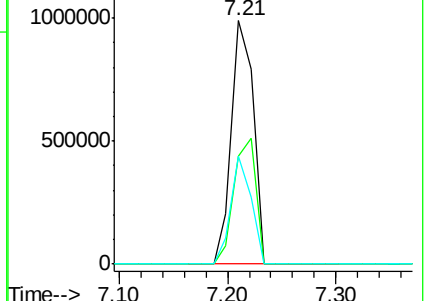
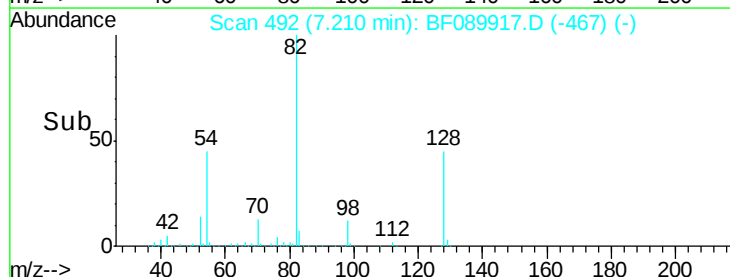
54 44.6 40.3 60.5

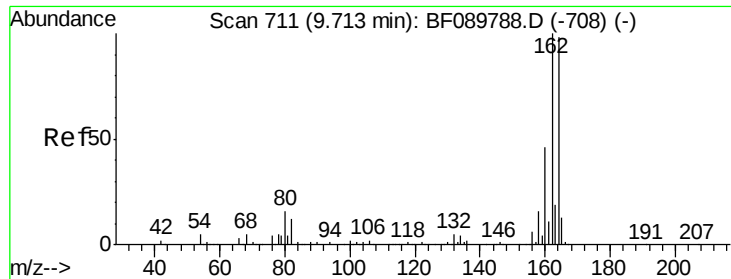


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-6

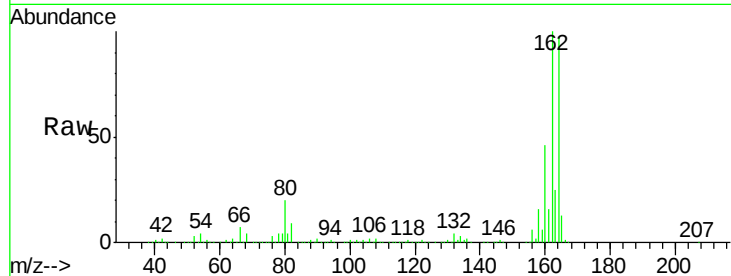
Tgt Ion:164 Resp: 617517

Ion Ratio Lower Upper

164 100

162 102.6 81.4 122.2

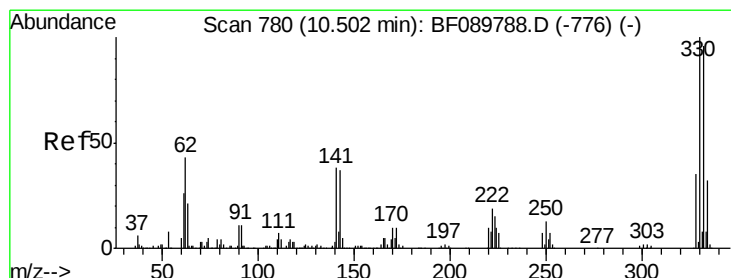
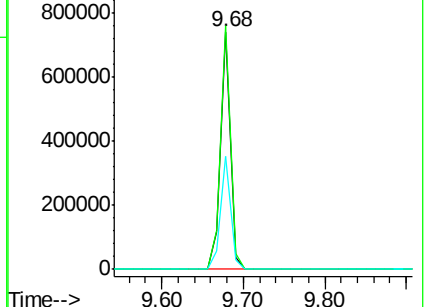
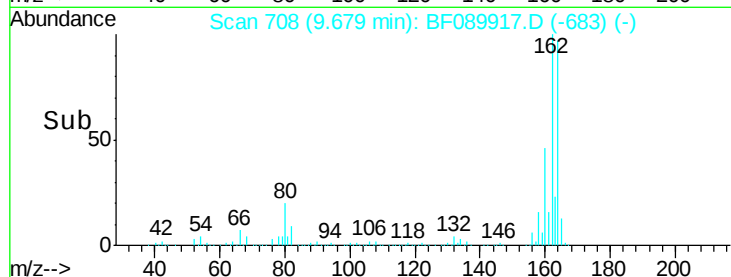
160 47.7 37.8 56.6



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



#41

2,4,6-Tribromophenol

Concen: 103.48 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

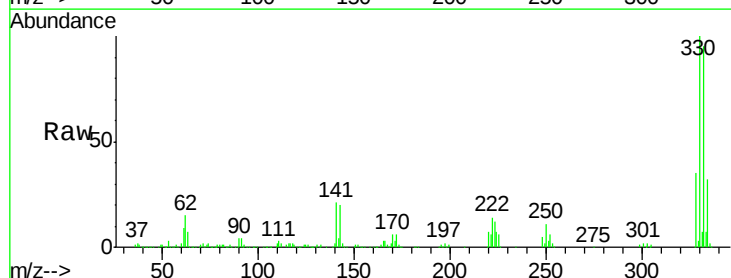
Tgt Ion:330 Resp: 607278

Ion Ratio Lower Upper

330 100

332 94.3 76.7 115.1

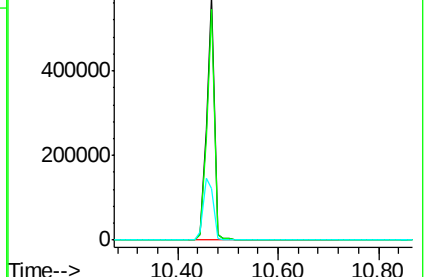
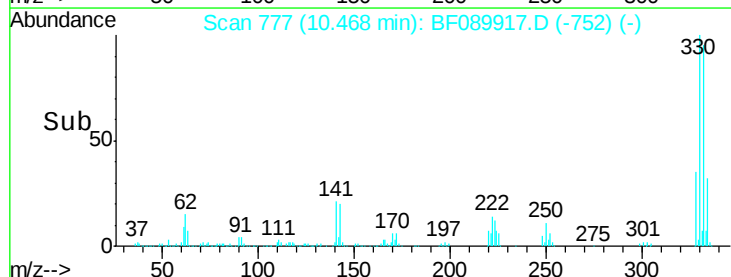
141 33.3 30.2 45.2

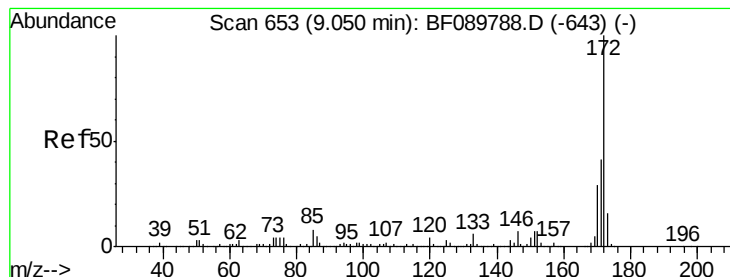


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 70.96 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-6

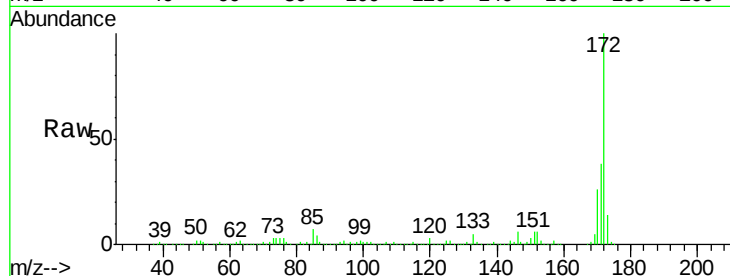
Tgt Ion:172 Resp: 2493345

Ion Ratio Lower Upper

172 100

171 37.6 30.5 45.7

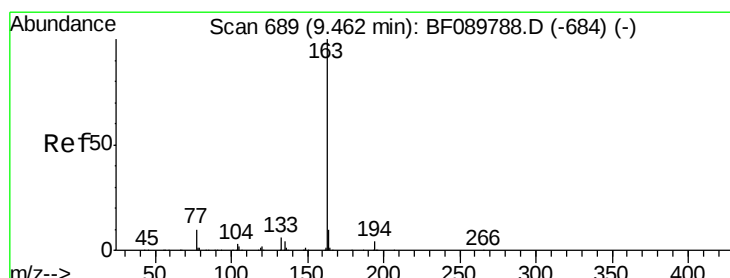
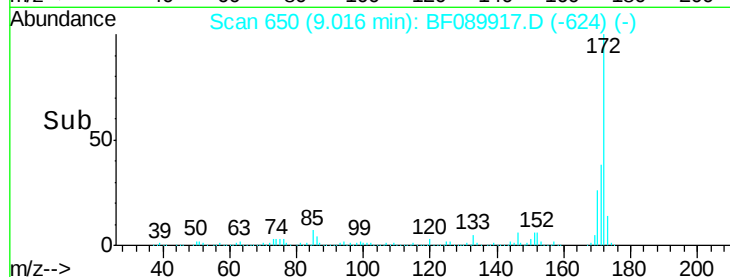
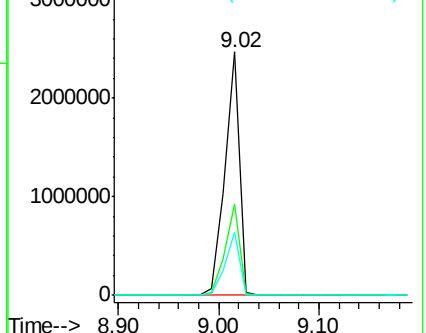
170 26.0 20.6 31.0



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



#49

Dimethylphthalate

Concen: 10.10 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

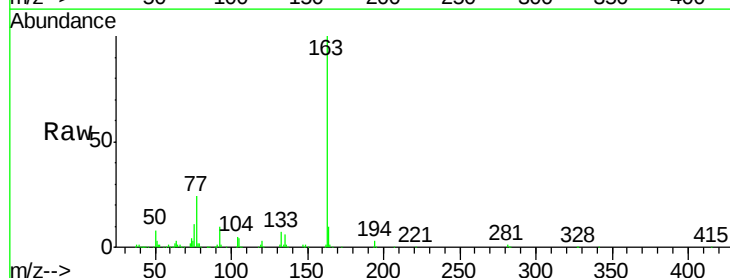
Tgt Ion:163 Resp: 438993

Ion Ratio Lower Upper

163 100

194 2.8 2.6 3.8

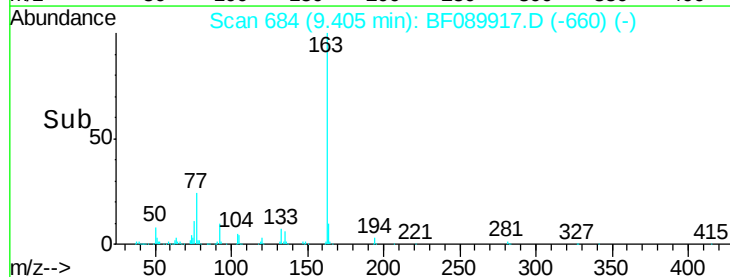
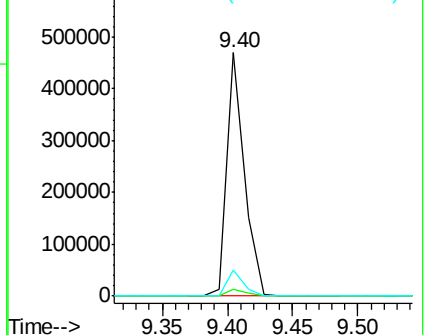
164 10.5 8.6 12.8

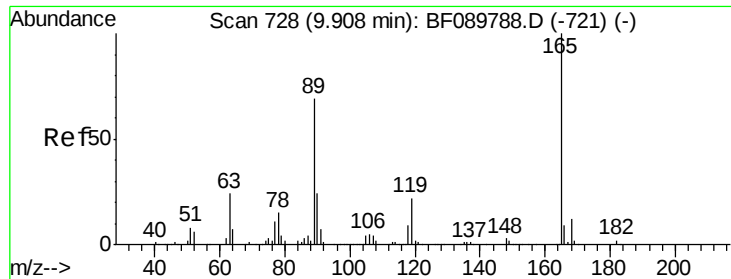


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

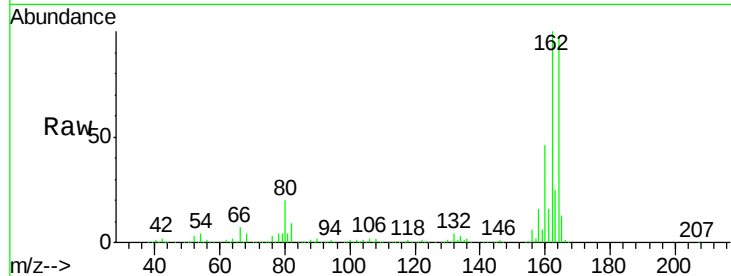




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.21 min
 Lab File: BF089917.D
 Acq: 26 Aug 2016 19:40

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-6

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	23.7	35.5#
89	1.3	44.0	66.0#
182	0.0	2.0	3.0#

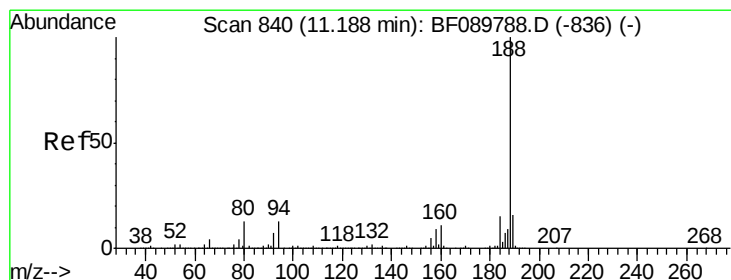
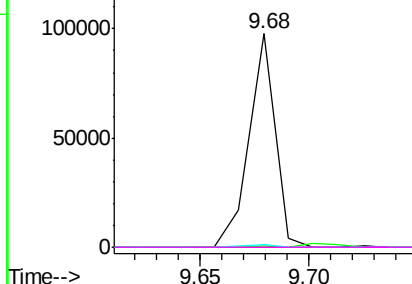
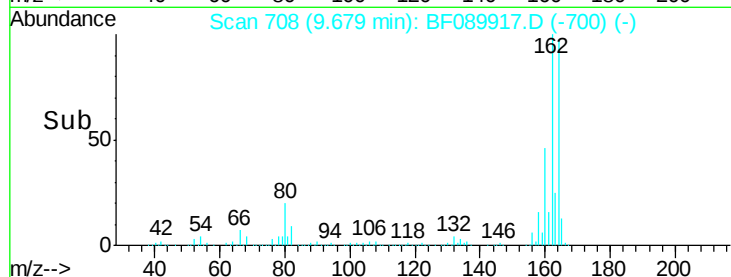


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

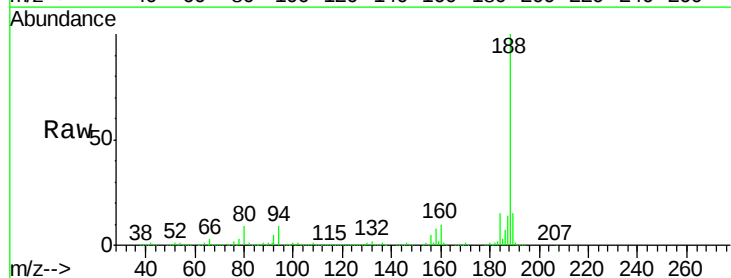
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF089917.D
 Acq: 26 Aug 2016 19:40

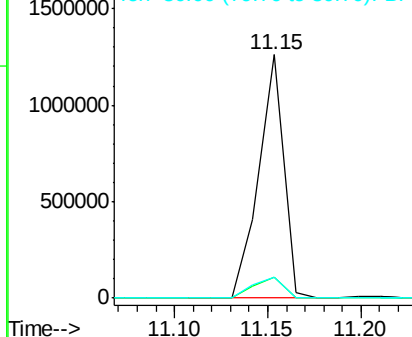
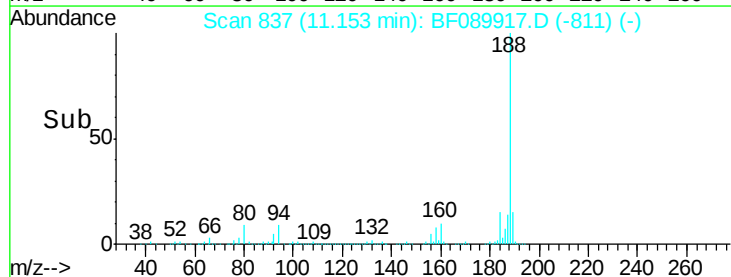
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	10.2	15.2#
80	8.8	10.9	16.3#

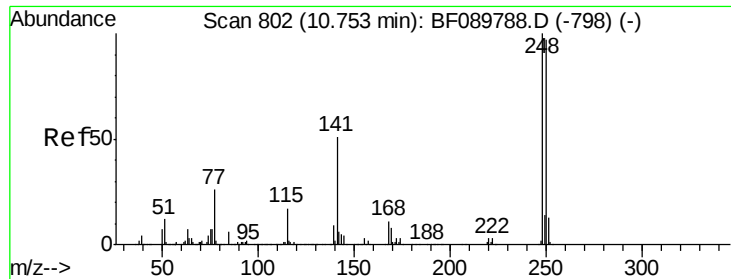


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

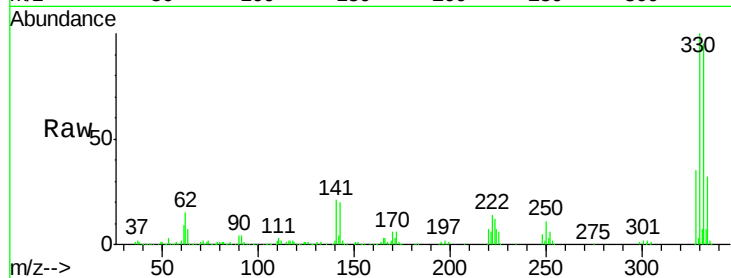




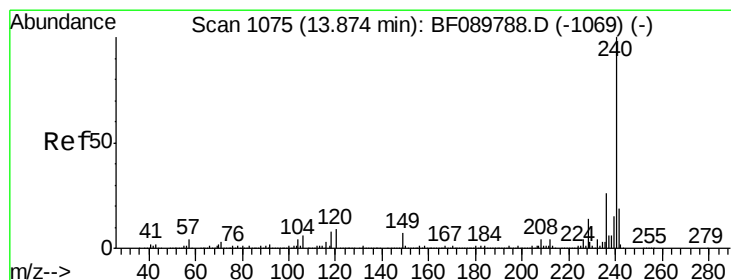
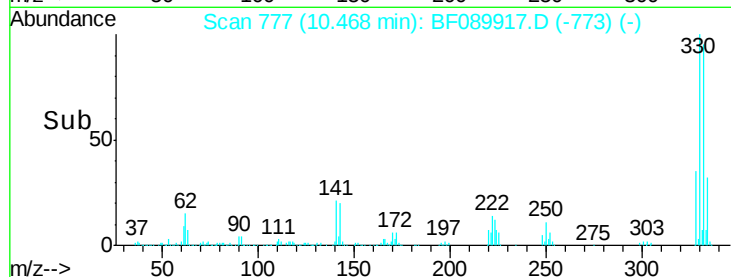
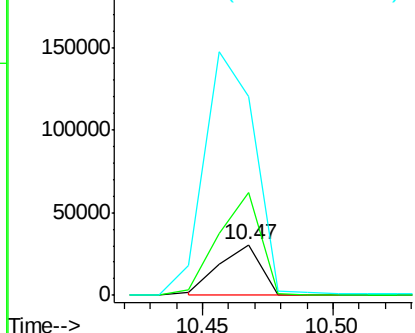
#66
4-Bromophenyl-phenylether
Concen: 2.79 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.25 min
Lab File: BF089917.D
Acq: 26 Aug 2016 19:40

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-6

Tgt Ion:248 Resp: 34258
Ion Ratio Lower Upper
248 100
250 202.5 78.6 117.8#
141 394.4 31.4 47.2#

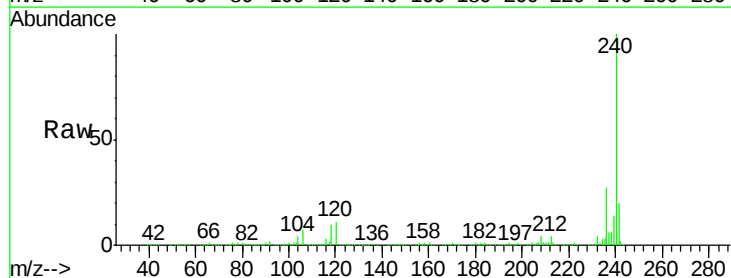


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

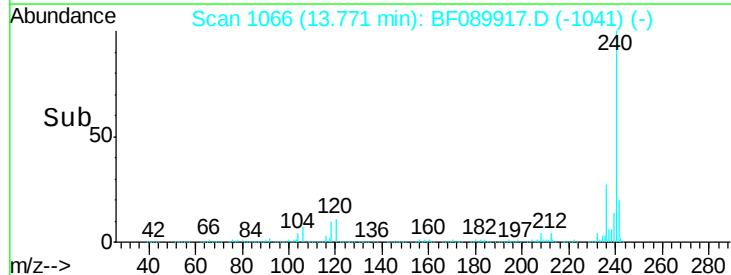
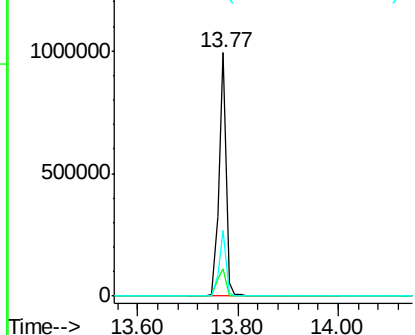


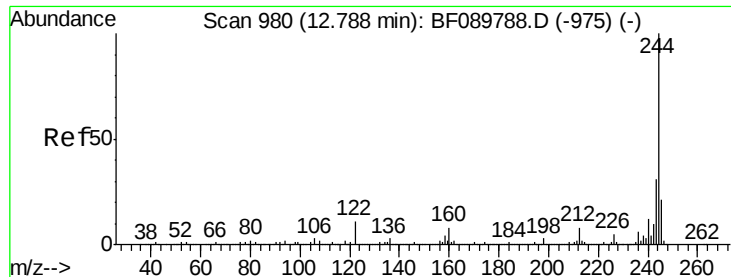
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF089917.D
Acq: 26 Aug 2016 19:40

Tgt Ion:240 Resp: 963601
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 26.8 21.3 31.9



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





#78

Terphenyl-d14

Concen: 50.23 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-6

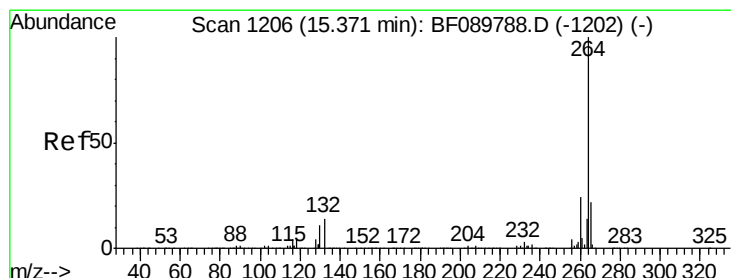
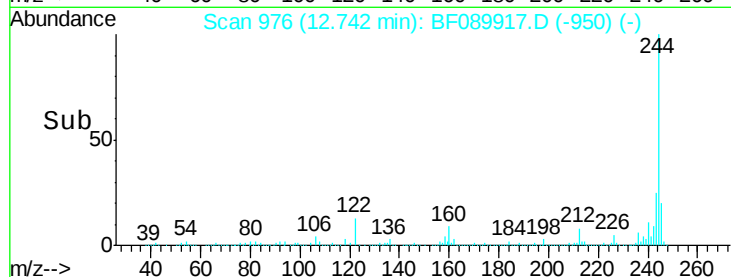
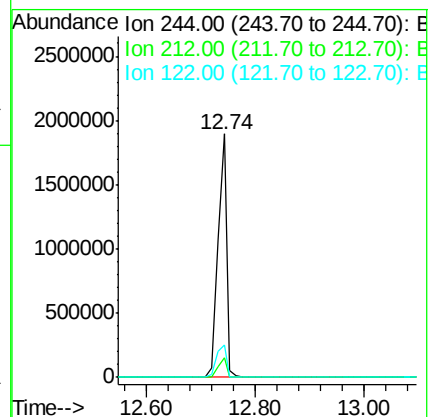
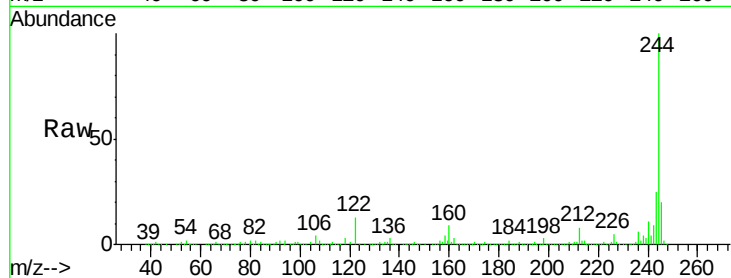
Tgt Ion:244 Resp: 2139476

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

122 13.2 12.0 18.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF089917.D

Acq: 26 Aug 2016 19:40

Tgt Ion:264 Resp: 768902

Ion Ratio Lower Upper

264 100

260 24.5 20.2 30.2

265 22.2 17.4 26.2

