

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081716\
 Data File : BF089778.D
 Acq On : 17 Aug 2016 22:06
 Operator : UM/SJ
 Sample : H4490-06
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-3

Quant Time: Aug 18 08:33:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

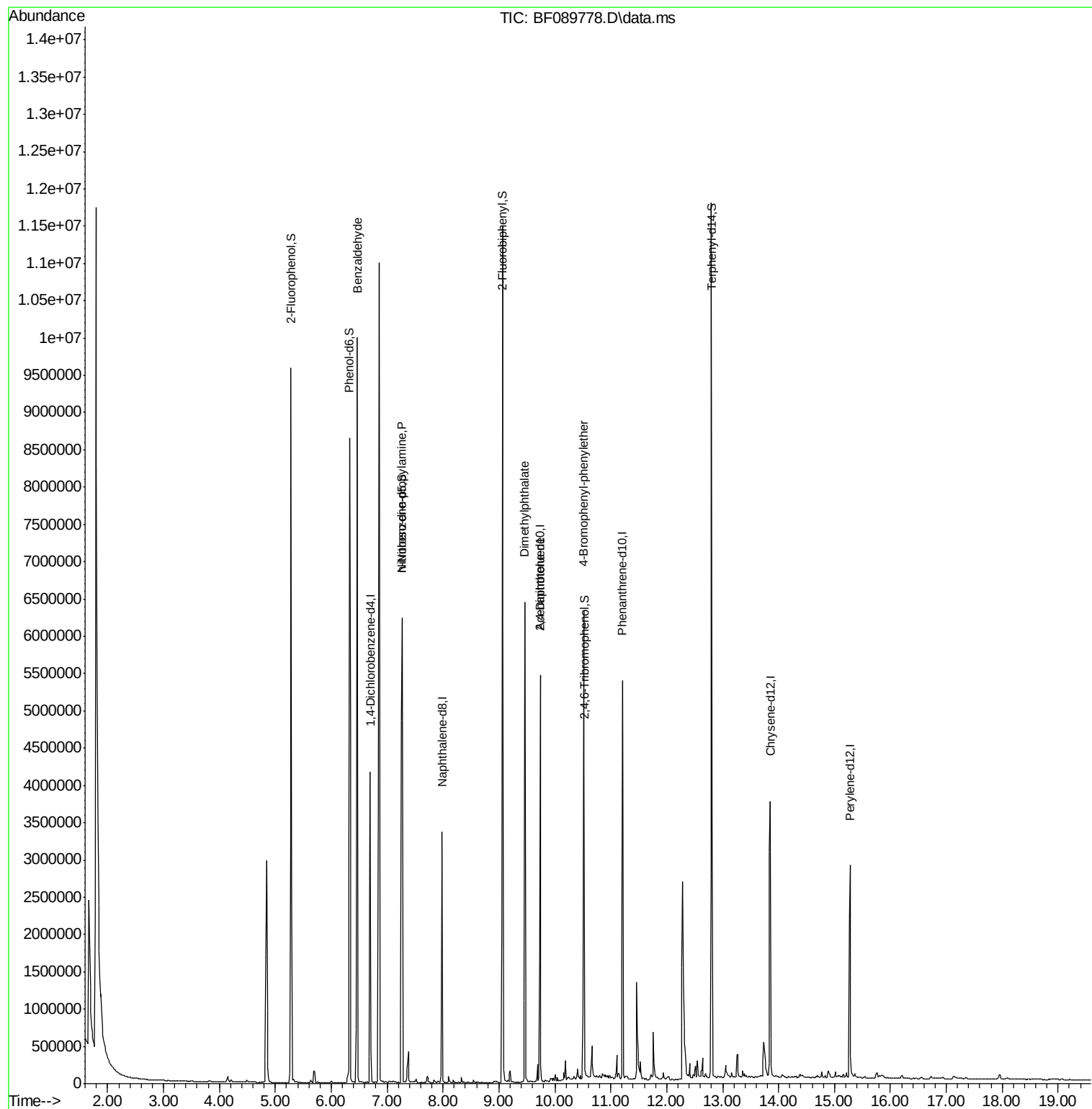
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.696	152	569712	20.00	ng	0.00
21) Naphthalene-d8	7.988	136	2190575	20.00	ng	0.00
38) Acenaphthene-d10	9.736	164	1084099	20.00	ng	0.00
63) Phenanthrene-d10	11.211	188	1946719	20.00	ng	0.00
75) Chrysene-d12	13.851	240	1706582	20.00	ng	-0.05
86) Perylene-d12	15.280	264	1429696	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.279	112	3307118	96.85	ng	0.00
7) Phenol-d6	6.330	99	4307079	99.17	ng	0.00
23) Nitrobenzene-d5	7.267	82	2859350	79.70	ng	0.00
41) 2,4,6-Tribromophenol	10.525	330	1123632	107.14	ng	0.00
44) 2-Fluorobiphenyl	9.062	172	4633588	68.58	ng	-0.01
78) Terphenyl-d14	12.799	244	3864532	67.65	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.467	77	87603	3.04	ng	Qvalue 92
19) n-Nitroso-di-n-propyla...	7.267	70	380961	13.39	ng	# 71
49) Dimethylphthalate	9.462	163	2756394	35.14	ng	98
56) 2,4-Dinitrotoluene	9.736	165	146127	6.40	ng	# 35
66) 4-Bromophenyl-phenylether	10.514	248	62052	3.08	ng	# 1

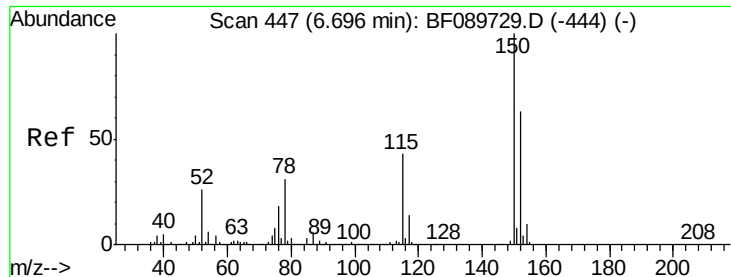
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081716\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.696 min Scan# 44

Delta R.T. 0.000 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-3

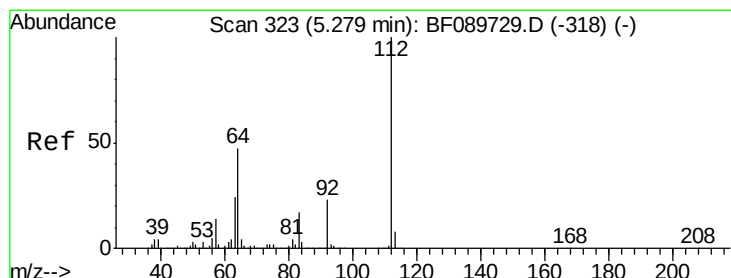
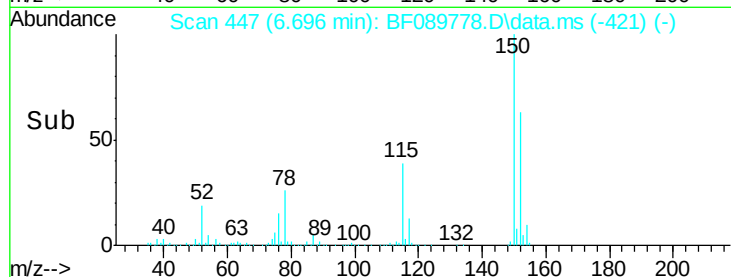
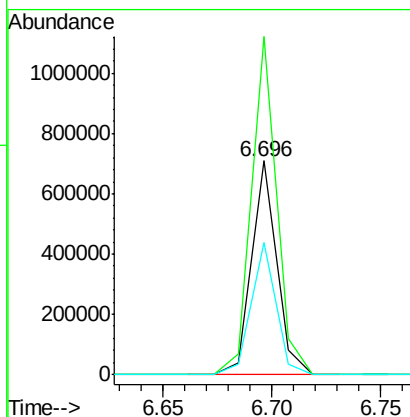
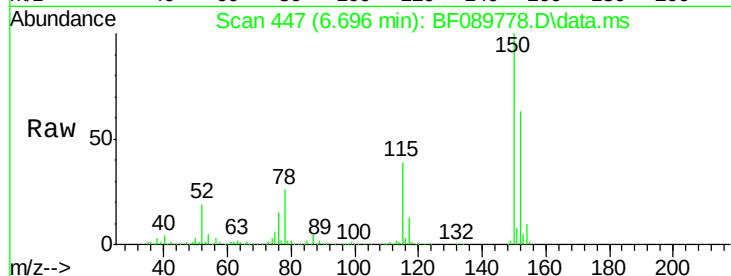
Tot Ion:152 Resp: 569712

Ion Ratio Lower Upper

152 100

150 158.4 125.3 187.9

115 61.8 40.9 61.3#



#5

2-Fluorophenol

Concen: 96.85 ng

RT: 5.279 min Scan# 323

Delta R.T. 0.001 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

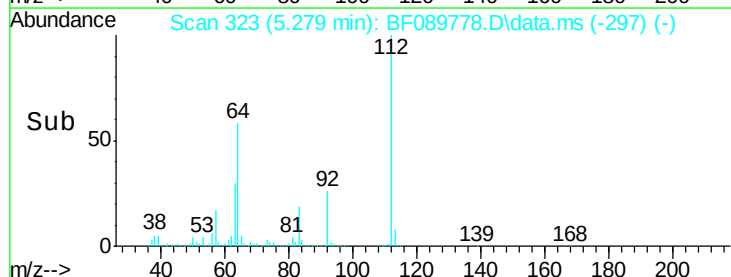
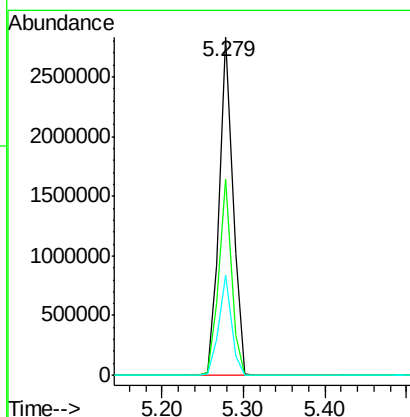
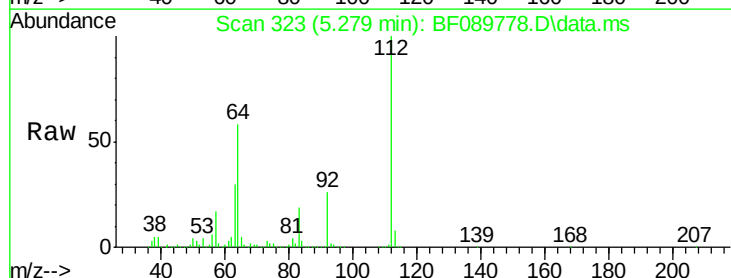
Tgt Ion:112 Resp: 3307118

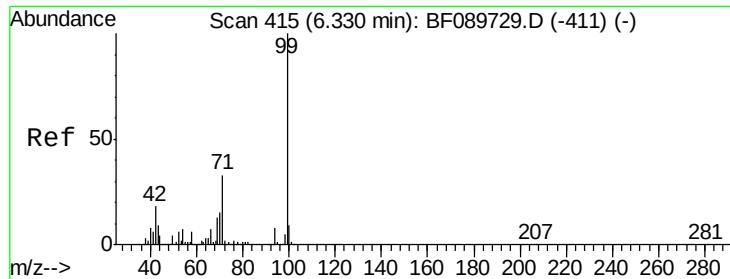
Ion Ratio Lower Upper

112 100

64 58.0 45.0 67.4

63 29.5 23.1 34.7





#7

Phenol-d6

Concen: 99.17 ng

RT: 6.330 min Scan# 41

Delta R.T. 0.000 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-3

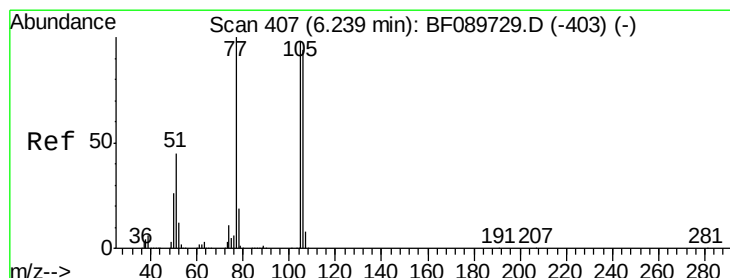
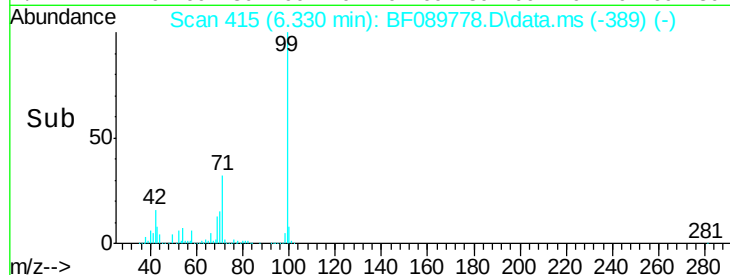
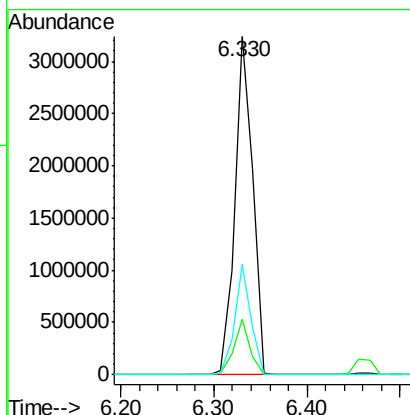
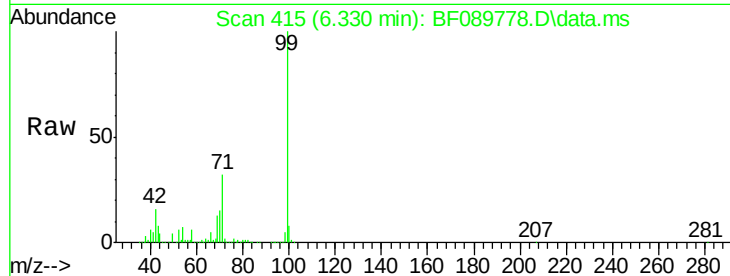
Tot Ion: 99 Resp: 4307079

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.4

71 32.5 23.8 35.8



#9

Benzaldehyde

Concen: 3.04 ng

RT: 6.467 min Scan# 427

Delta R.T. 0.229 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

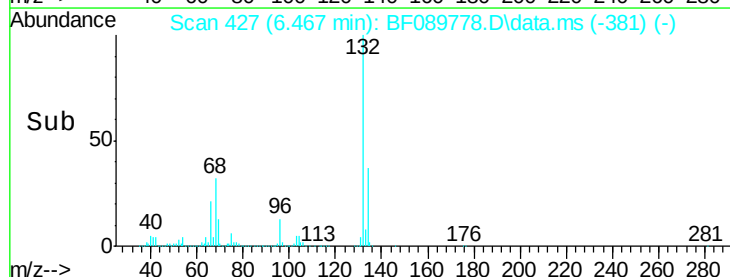
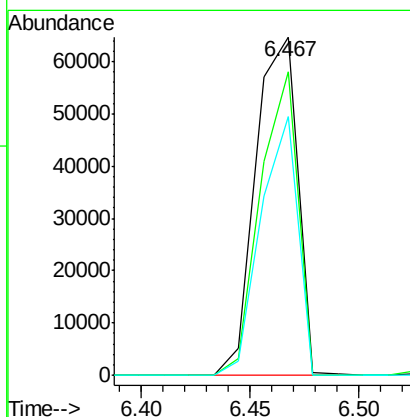
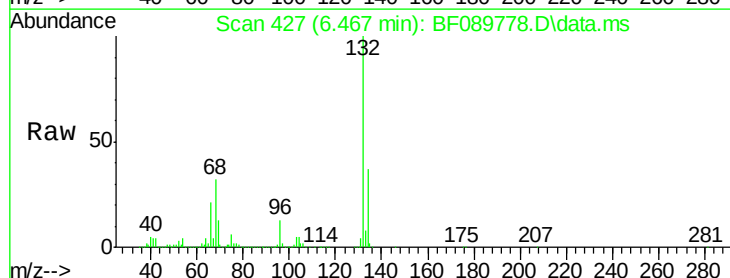
Tgt Ion: 77 Resp: 87603

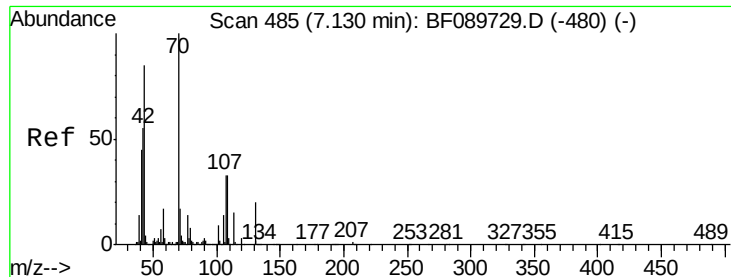
Ion Ratio Lower Upper

77 100

105 89.6 73.3 113.3

106 76.5 68.6 108.6

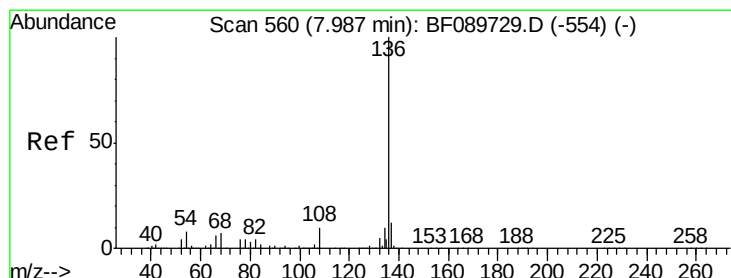
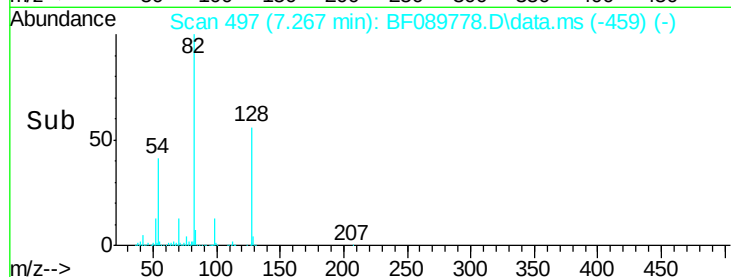
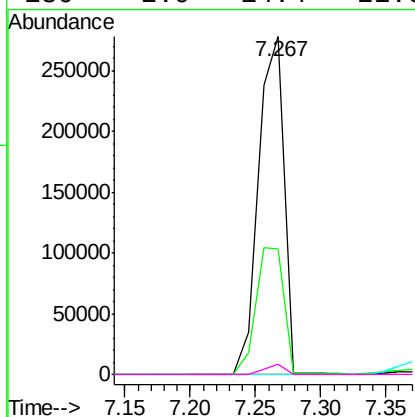
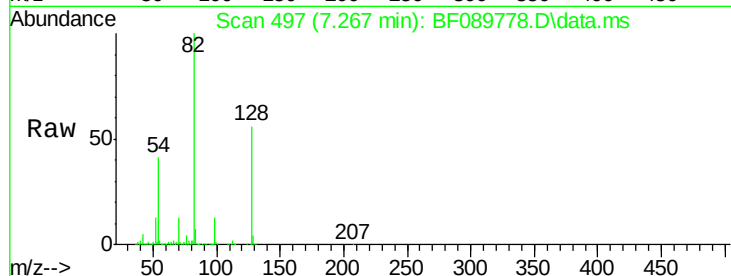




#19
n-Nitroso-di-n-propylamine
Concen: 13.39 ng
RT: 7.267 min Scan# 49
Delta R.T. 0.137 min
Lab File: BF089778.D
Acq: 17 Aug 2016 22:06

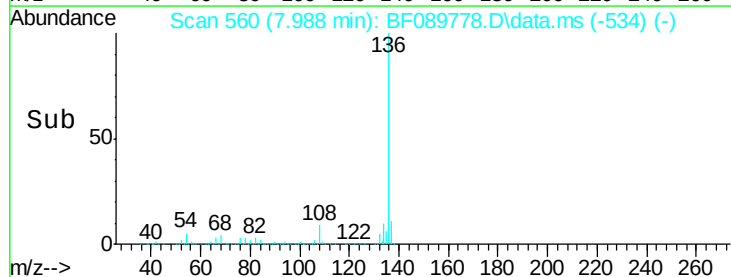
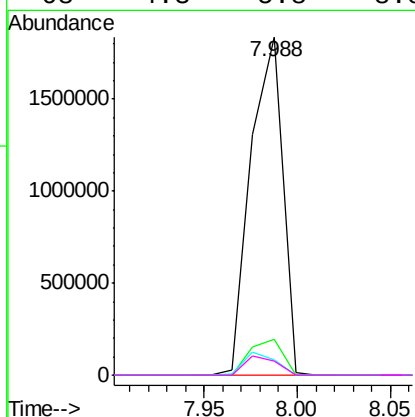
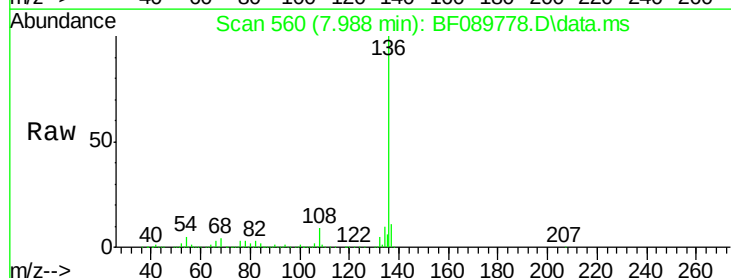
Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-3

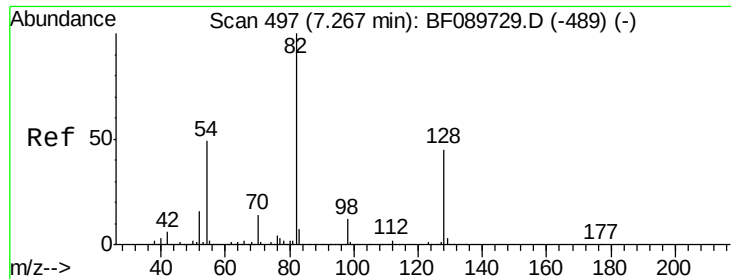
Tot Ion: 70 Resp: 380961
Ion Ratio Lower Upper
70 100
42 37.3 46.3 69.5#
101 0.0 7.0 10.6#
130 2.9 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.988 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF089778.D
Acq: 17 Aug 2016 22:06

Tgt Ion: 136 Resp: 2190575
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 4.6 7.2 10.8#
68 4.3 5.8 8.8#

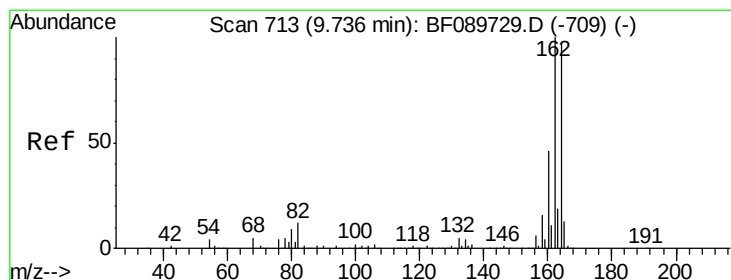
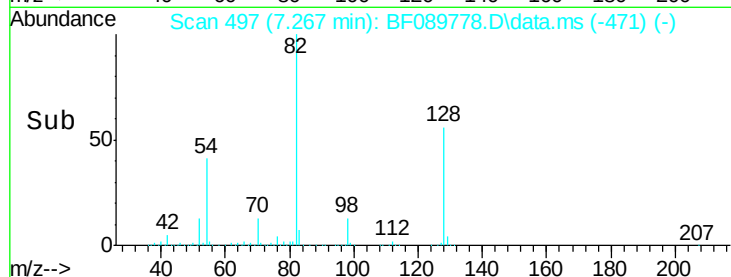
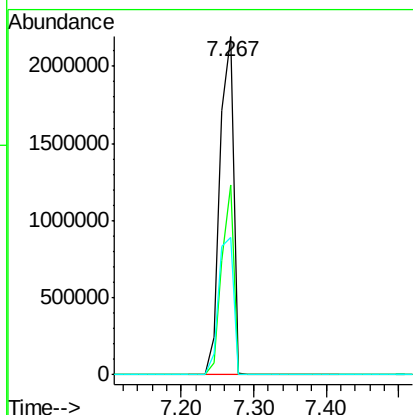
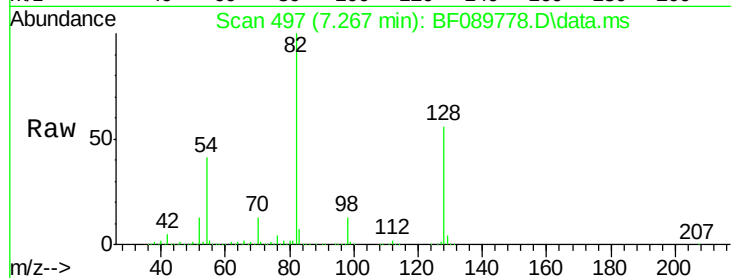




#23
 Nitrobenzene-d5
 Concen: 79.70 ng
 RT: 7.267 min Scan# 49
 Delta R.T. 0.000 min
 Lab File: BF089778.D
 Acq: 17 Aug 2016 22:06

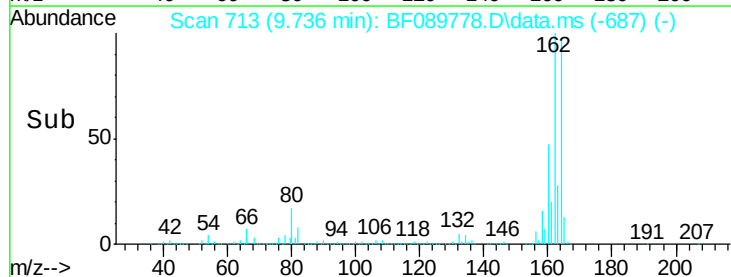
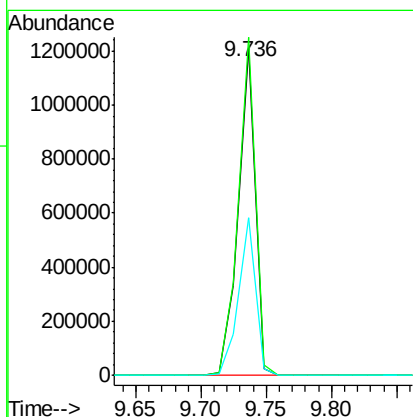
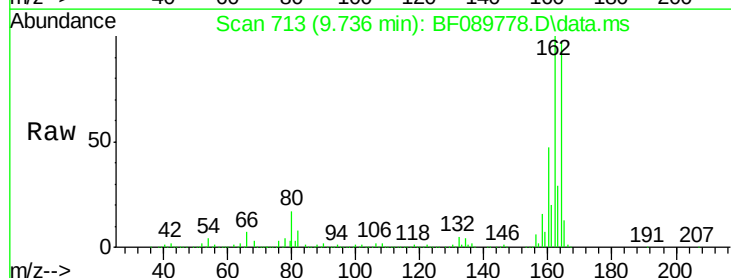
Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-3

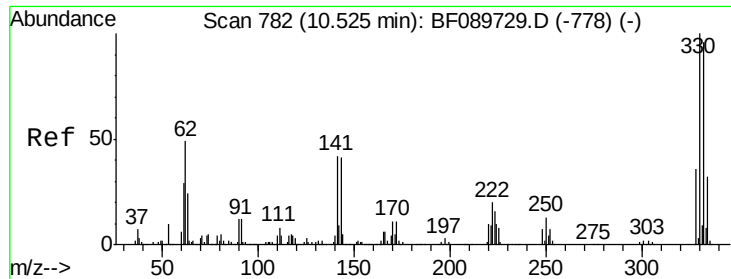
Tot Ion: 82 Resp: 2859350
 Ion Ratio Lower Upper
 82 100
 128 56.3 34.4 51.6#
 54 40.6 40.3 60.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.736 min Scan# 713
 Delta R.T. 0.000 min
 Lab File: BF089778.D
 Acq: 17 Aug 2016 22:06

Tgt Ion: 164 Resp: 1084099
 Ion Ratio Lower Upper
 164 100
 162 103.4 81.4 122.2
 160 48.3 37.8 56.6

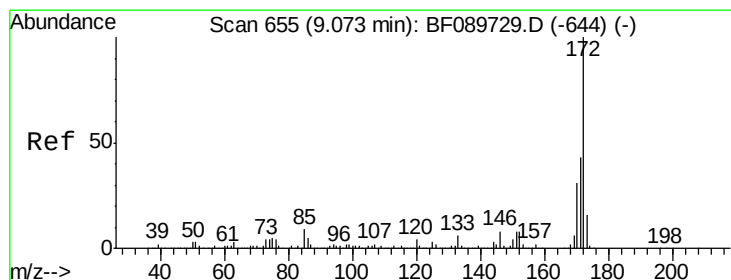
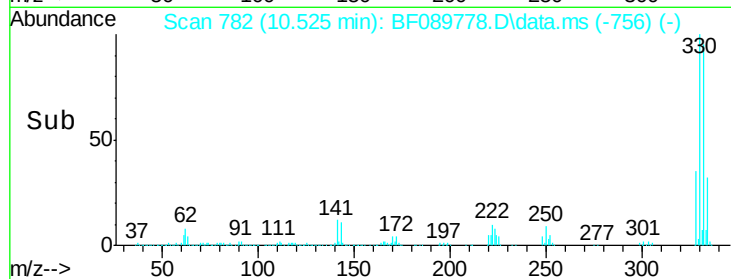
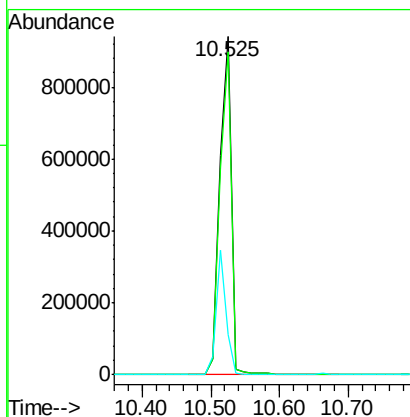
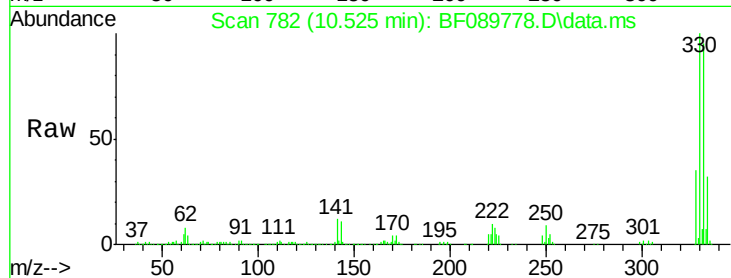




#41
 2,4,6-Tribromophenol
 Concen: 107.14 ng
 RT: 10.525 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: BF089778.D
 Acq: 17 Aug 2016 22:06

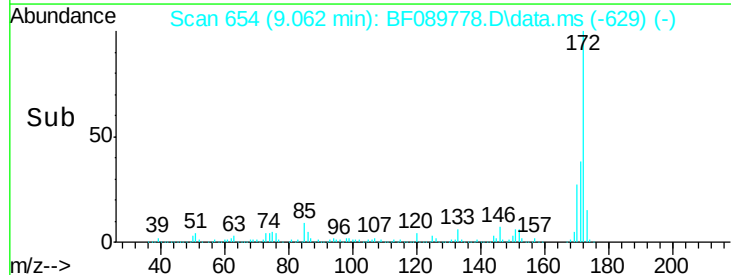
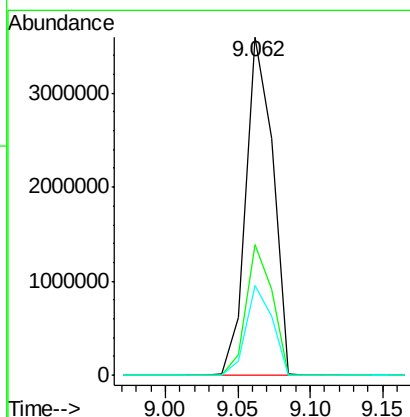
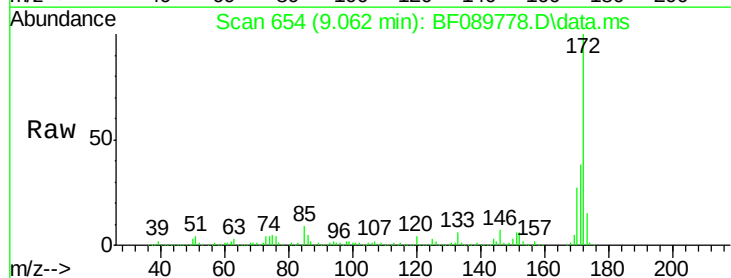
Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-3

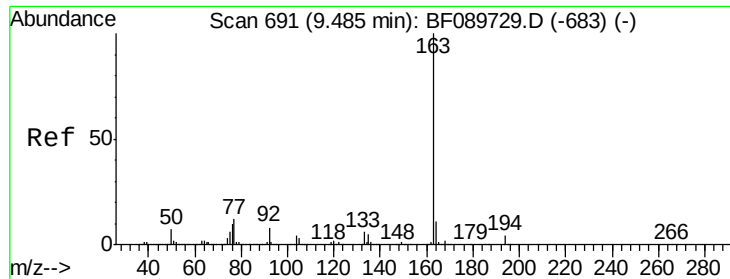
Tot Ion:330 Resp: 1123632
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.7 115.1
 141 31.5 30.2 45.2



#44
 2-Fluorobiphenyl
 Concen: 68.58 ng
 RT: 9.062 min Scan# 654
 Delta R.T. -0.011 min
 Lab File: BF089778.D
 Acq: 17 Aug 2016 22:06

Tgt Ion:172 Resp: 4633588
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.5 45.7
 170 26.7 20.6 31.0





#49

Dimethylphthalate

Concen: 35.14 ng

RT: 9.462 min Scan# 68

Delta R.T. -0.023 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-3

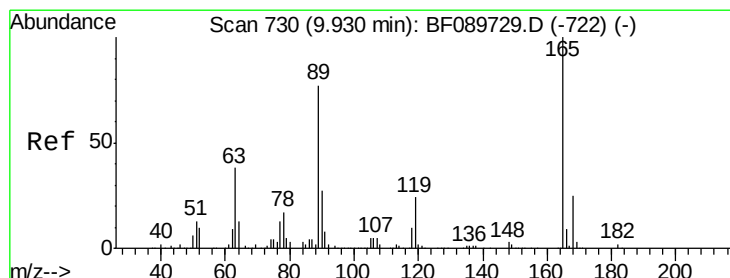
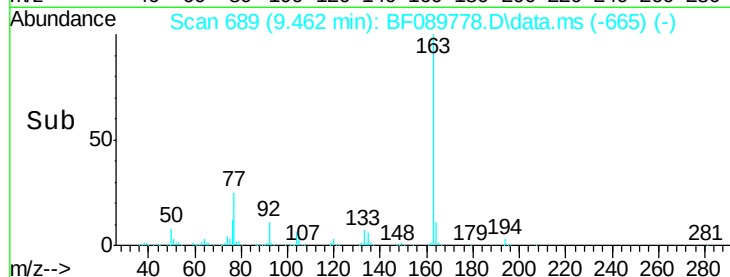
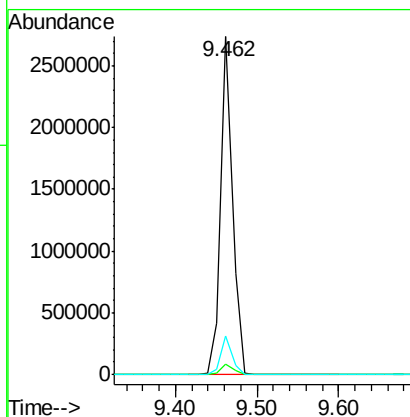
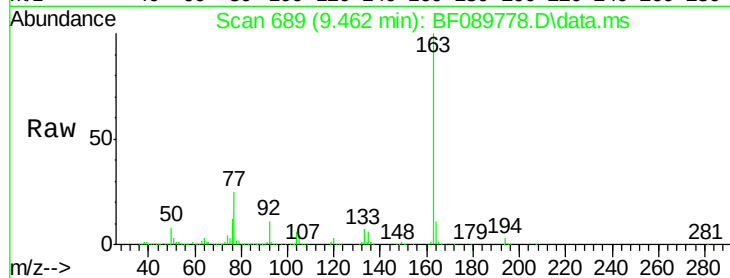
Tot Ion:163 Resp: 2756394

Ion Ratio Lower Upper

163 100

194 3.3 2.6 3.8

164 11.4 8.6 12.8



#56

2,4-Dinitrotoluene

Concen: 6.40 ng

RT: 9.736 min Scan# 713

Delta R.T. -0.194 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Tgt Ion:165 Resp: 146127

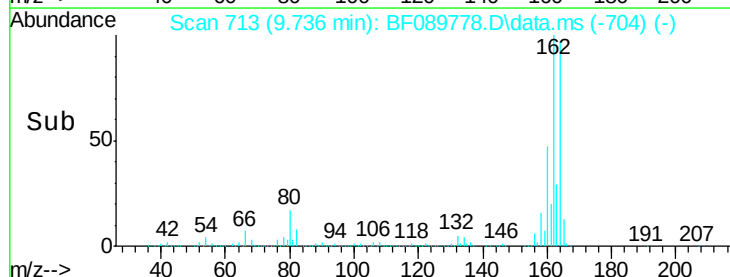
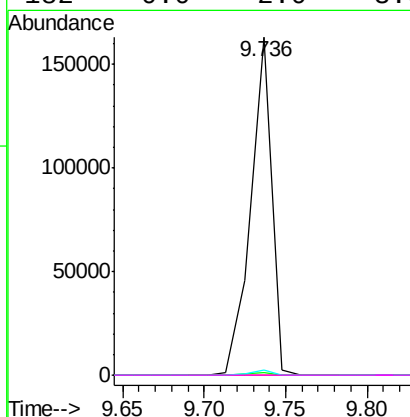
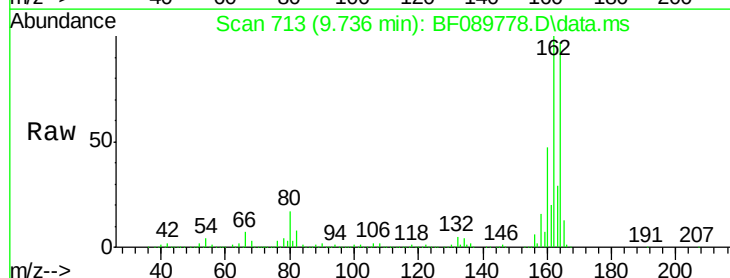
Ion Ratio Lower Upper

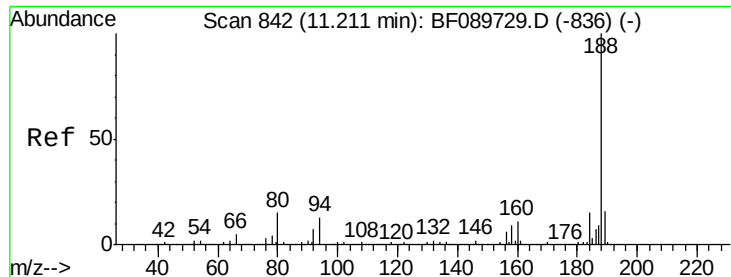
165 100

63 0.9 23.7 35.5#

89 1.5 44.0 66.0#

182 0.0 2.0 3.0#

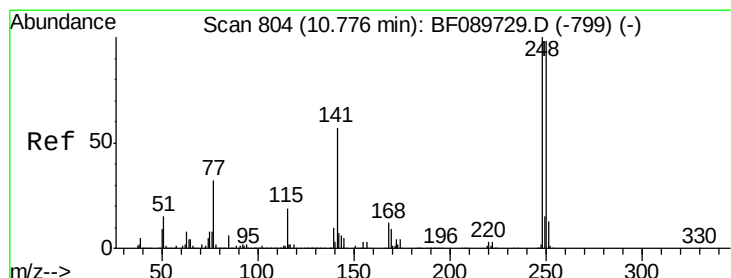
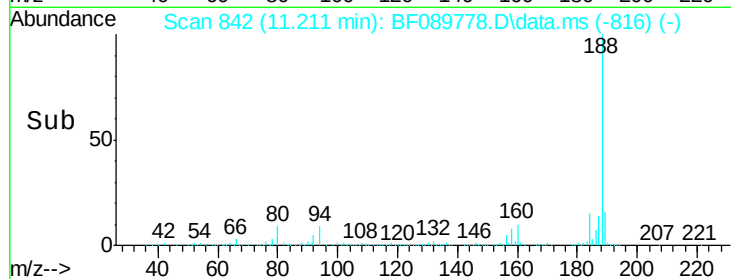
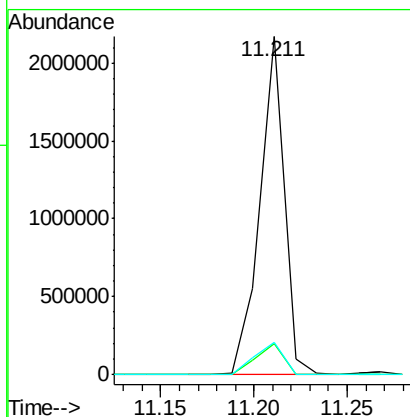
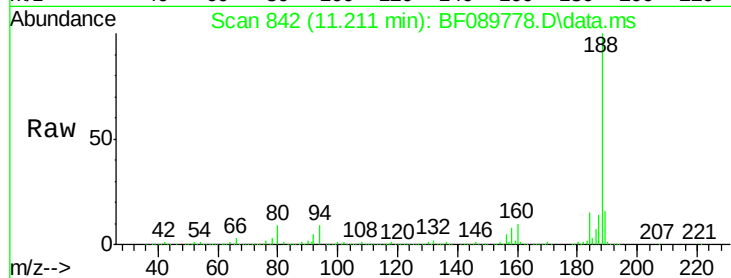




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.211 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF089778.D
Acq: 17 Aug 2016 22:06

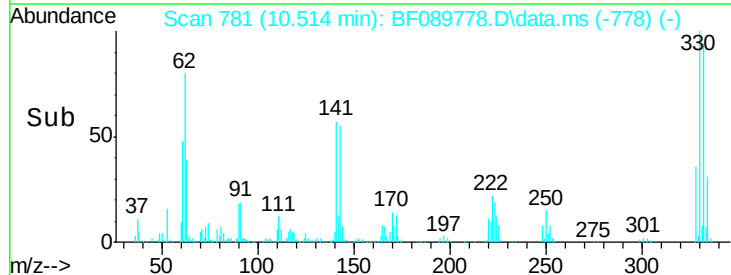
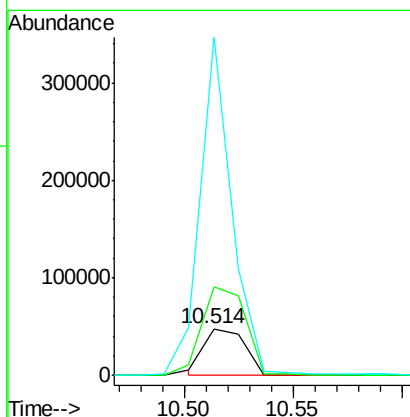
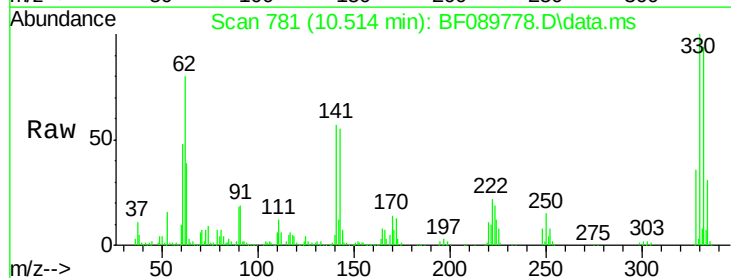
Instrument :
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670-UNDERCLIFF-3

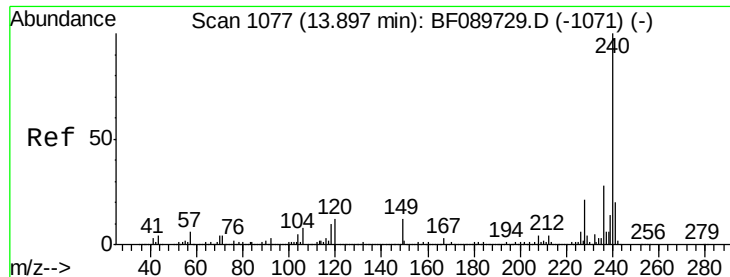
Tot Ion:188 Resp: 1946719
Ion Ratio Lower Upper
188 100
94 9.3 10.2 15.2#
80 9.4 10.9 16.3#



#66
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 10.514 min Scan# 781
Delta R.T. -0.263 min
Lab File: BF089778.D
Acq: 17 Aug 2016 22:06

Tgt Ion:248 Resp: 62052
Ion Ratio Lower Upper
248 100
250 189.4 78.6 117.8#
141 728.7 31.4 47.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.851 min Scan# 10

Delta R.T. -0.046 min

Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Instrument :

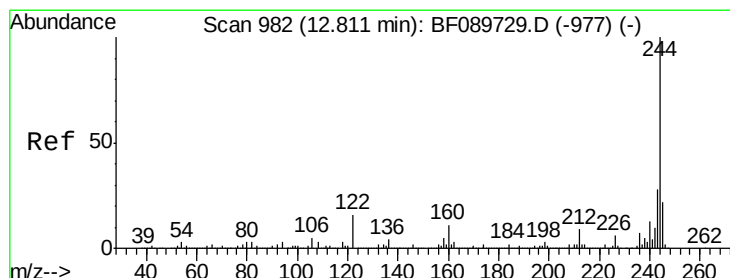
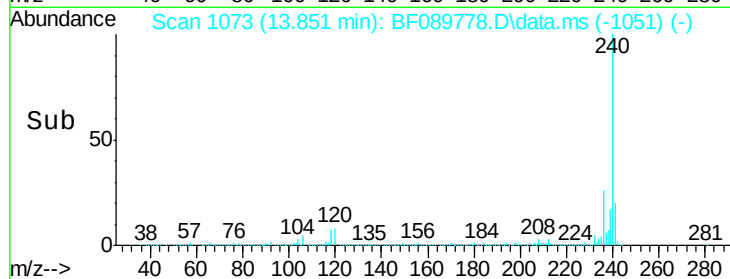
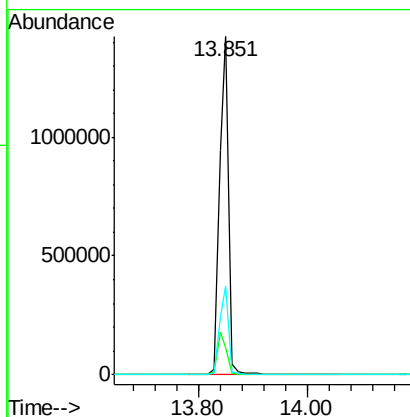
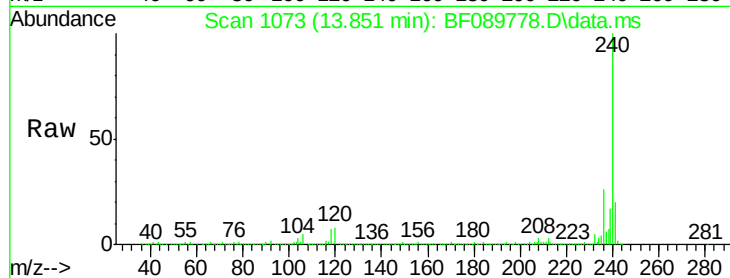
BNA_F

ClientSampleId :

670-UNDERCLIFF-3

Tot Ion:240 Resp: 1706582

Ion	Ratio	Lower	Upper
240	100		
120	7.9	8.3	12.5#
236	26.1	21.3	31.9



#78

Terphenyl-d14

Concen: 67.65 ng

RT: 12.799 min Scan# 981

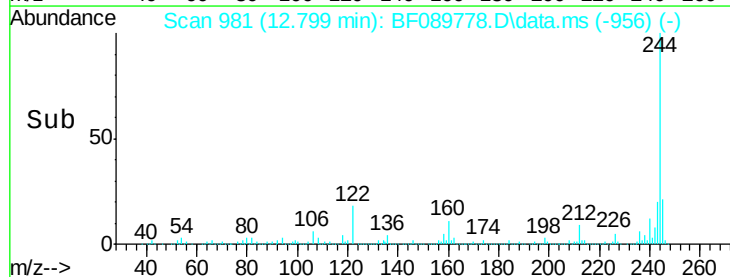
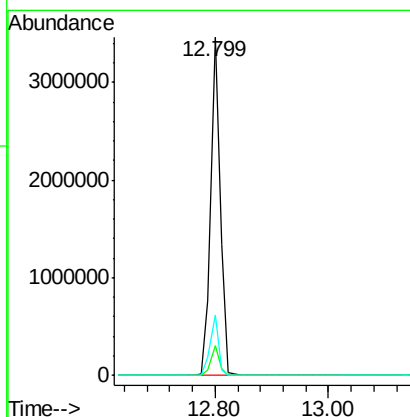
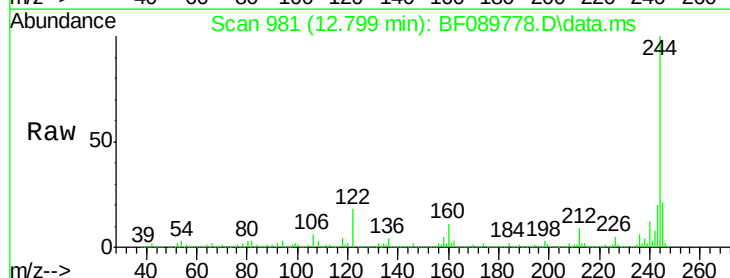
Delta R.T. -0.011 min

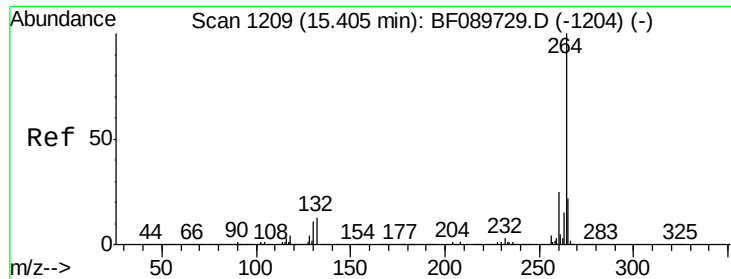
Lab File: BF089778.D

Acq: 17 Aug 2016 22:06

Tgt Ion:244 Resp: 3864532

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.3	9.5
122	17.8	12.0	18.0





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.280 min Scan# 11
Delta R.T. -0.126 min
Lab File: BF089778.D
Acq: 17 Aug 2016 22:06

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-3

Tot Ion:	264	Resp:	1429696
Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.2
265	22.3	17.4	26.2

